

National Household Education Surveys Program of 2019

Methodological Experiments Report
Appendices

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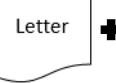

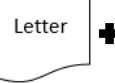

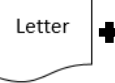

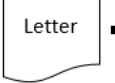





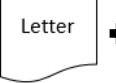

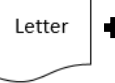

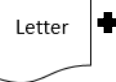


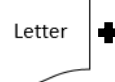
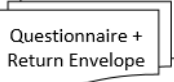



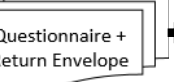


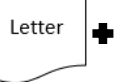


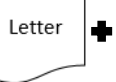





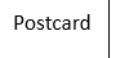
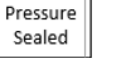
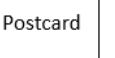
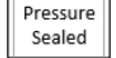
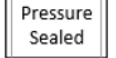
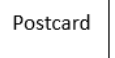
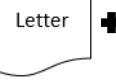

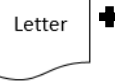
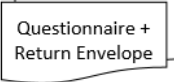

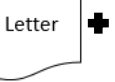
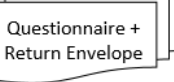

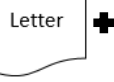

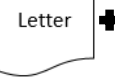

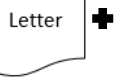

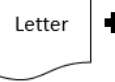


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Appendix A. Screener Contact Protocol for Each NHES:2019 Experimental Condition

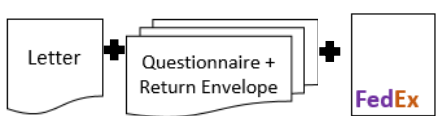
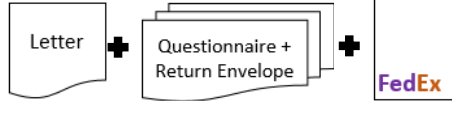
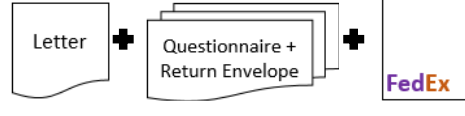
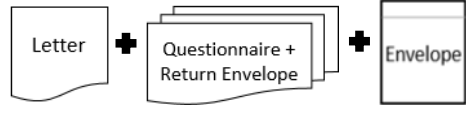
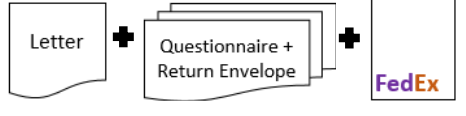
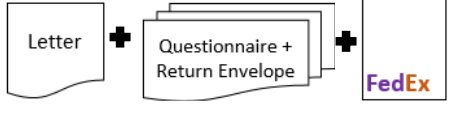
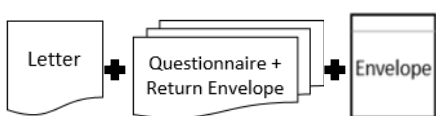
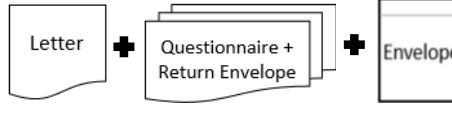
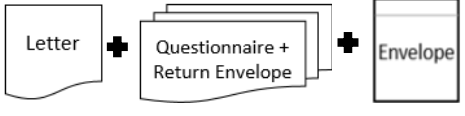
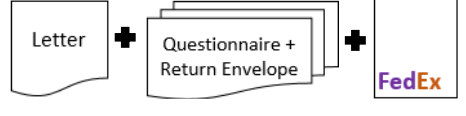
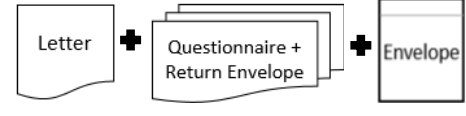
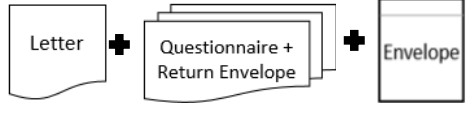
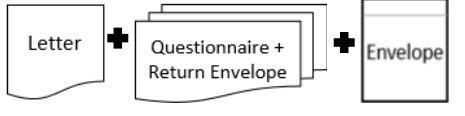
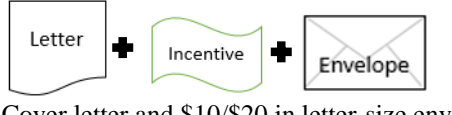
Given the complexity of the data collection conducted for NHES:2019, exhibit A.1 provides a summary of the contact protocol that was used for each experimental condition at the screener phase. The screener contact materials can be found in appendix B and the paper screener questionnaires can be found in appendix C.

Exhibit A.1: NHES:2019 screener contact protocol, by experimental condition

Experimental condition	Baseline web-push condition	Choice-plus condition	Random paper-only condition; Modeled-mode condition: <i>paper-sensitive cases</i> ¹	Updated web-push mailing protocol		Opt-out screener materials condition	Targeted Spanish-speaking-household materials condition: <i>likely-Spanish-speaking households</i> ²
Advance mailings	 +  Web advance letter in letter-size envelope	 +  Web advance letter in letter-size envelope	 +  Paper-only advance letter in letter-size envelope	<i>No-advance mailings condition:</i> No advance mailings	 +  <i>Advance letter-only condition:</i> Web advance letter in letter-size envelope    +  <i>Advance mailing campaign condition:</i> Two glossy postcards and web advance letter in letter-size envelope	 +  Web advance letter in letter-size envelope	 +  Web advance letter in letter-size envelope
Initial screener package	 +  +  Web letter with \$5 loose in letter-size envelope	 +  +  +  Choice letter and paper screener with \$5 loose in full-size envelope	 +  +  +  Paper-only letter and paper screener with \$5 loose in full-size envelope.	 +  +  Web letter with \$5 loose in letter-size envelope		 +  +  Opt-out web letter with \$5 loose in letter-size envelope	 +  +  Tailored web letter with \$5 loose in tailored full-size envelope
Pressure-sealed envelope / reminder postcard	 Reminder postcard	 Choice pressure-sealed envelope	 Reminder postcard	 Pressure-sealed envelope		 Pressure-sealed envelope	 Reminder postcard
Second screener package	 +  Web letter in letter-size envelope	 +  +  Choice letter and paper screener in full-size envelope	 +  +  Paper-only letter and paper screener in full-size envelope	 +  <i>Random FedEx fourth and modeled FedEx (low-priority cases):</i> Web letter in letter-size envelope	 +  <i>Random FedEx second and modeled FedEx (high-priority cases):</i> Web letter in FedEx envelope	 +  Opt-out web letter in letter-size envelope	 +  Web letter in tailored full-size envelope
Automated reminder call	 Automated reminder call to all cases with telephone number on sampling frame						

See notes at end of exhibit.

Exhibit A.1: NHES:2019 screener contact protocol, by experimental condition—continued

Experimental condition	Baseline web-push condition	Choice-plus condition	Random paper-only condition and modeled-mode condition: <i>paper-sensitive cases</i> ¹	Updated web-push mailing protocol		Opt-out screener materials condition	Targeted Spanish-speaking-household materials condition: <i>likely-Spanish-speaking households</i> ²
Third screener package	 Paper-only letter and paper screener in FedEx envelope	 Choice letter and paper screener in FedEx envelope	 Paper-only letter and paper screener in FedEx envelope	 Paper-only letter and paper screener in full-size envelope		 Paper-only opt-out letter and paper opt-out screener in FedEx envelope	 Tailored paper-only letter and tailored paper screener in FedEx envelope
Fourth screener package	 Paper-only letter and paper screener in full-size envelope	 Choice letter and paper screener in full-size envelope	 Paper-only letter and paper screener in full-size envelope	 <i>Random FedEx fourth and modeled FedEx (low-priority cases):</i> Paper-only letter and paper screener in FedEx envelope	 <i>Random FedEx second and modeled FedEx (high-priority cases):</i> Paper-only letter and paper screener in full-size envelope	 Paper-only opt-out letter and paper opt-out screener in full-size envelope	 Paper-only letter and tailored paper screener in tailored full-size envelope
Promised incentive mailing	Not applicable	 Cover letter and \$10/\$20 in letter-size envelope ³	Not applicable				

¹ Non-paper-sensitive cases in this condition received the same contact materials as the baseline web-push condition.
² Not-likely-Spanish-speaking cases in this condition received the same contact materials as the baseline web-push condition.
³ This letter was sent only to cases that used web or inbound telephone to complete all parts of the NHES that they were asked to complete. For cases that were sampled for a topical survey, this meant submitting both the screener and the topical survey. For those that were not sampled for a topical survey, this meant submitting just the screener.

NOTE: If a mailing method is not specified (ex: FedEx), it can be assumed that the mailing was a regular First-Class mailing.

Appendix B. NHES:2019 Screener Contact Materials

The screener contact materials used in NHES:2019 varied by experimental condition. Appendix B includes copies of these materials. Exhibit B.1 summarizes which screener contact materials were used in each experimental condition. It also indicates the page number on which each contact material can be found in this appendix.

Exhibit B.1. NHES:2019 screener contact materials, by experimental condition

Experimental condition	Advance mailings	Initial screener package	Pressure-sealed envelope / reminder postcard	Second screener package	Automated reminder call	Third screener package	Fourth screener package
Baseline web-push condition	NHES-10L(MW) <i>Page B-5</i>	NHES-11L(W) <i>Page B-7</i>	0939-12P(MW) <i>Page B-9</i>	NHES-12L(W) <i>Page B-11</i>	NHES-12.1L(RC) <i>Page B-13</i>	NHES-13L(M) <i>Page B-14</i>	NHES-14L(M) <i>Page B-16</i>
Choice-plus condition	\$10: NHES-10L(MW) <i>Page B-19</i>	\$10: NHES-11.1L(CP) <i>Page B-21</i>	\$10: 0939-12.1P(CP) <i>Page B-23</i>	\$10: NHES-12.1L(CP) <i>Page B-25</i>	\$10: NHES-12.1L(RC) <i>Page B-27</i>	\$10: NHES-13.1L(CP) <i>Page B-28</i>	\$10: NHES-14.1L(CP) <i>Page B-30</i>
	\$20: NHES-10L(MW) <i>Page B-33</i>	\$20: NHES-11.2L(CP) <i>Page B-35</i>	\$20: 0939-12.2P(CP) <i>Page B-37</i>	\$20: NHES-12.2L(CP) <i>Page B-39</i>	\$20: NHES-12.1L(RC) <i>Page B-41</i>	\$20: NHES-13.2L(CP) <i>Page B-42</i>	\$20: NHES-14.2L(CP) <i>Page B-44</i>
Modeled-mode condition: paper-sensitive cases¹	NHES-10L(M) <i>Page B-47</i>	NHES-11L(M) <i>Page B-49</i>	0939-12P(MW) <i>Page B-51</i>	NHES-12L(M) <i>Page B-53</i>	NHES-12.1L(RC) <i>Page B-55</i>	NHES-13L(M) <i>Page B-56</i>	NHES-14L(M) <i>Page B-58</i>
Random paper-only condition	NHES-10L(M) <i>Page B-61</i>	NHES-11L(M) <i>Page B-63</i>	0939-12P(MW) <i>Page B-65</i>	NHES-12L(M) <i>Page B-67</i>	NHES-12.1L(RC) <i>Page B-69</i>	NHES-13L(M) <i>Page B-70</i>	NHES-14L(M) <i>Page B-72</i>

See notes at end of exhibit.

Exhibit B.1: NHES:2019 screener contact materials, by experimental condition—continued

Experimental condition	Advance mailings	Initial screener package	Pressure-sealed envelope / reminder postcard	Second screener package	Automated reminder call	Third screener package	Fourth screener package
Updated web-push mailing protocol	<i>Advance mailing campaign: 0939-10.1P(W), 0939-10.2P(W), NHES-10L(MW) Pages B-76, B-78, B-79</i>	<i>FedEx second: NHES-11L(W) Page B-82</i>	<i>FedEx second: 0939-12P(W) Page B-84</i>	<i>FedEx second: NHES-12L(SM) Page B-86</i>	<i>FedEx second: NHES-12.2L(RC) Page B-88</i>	<i>FedEx second: NHES-13L(SM) Page B-89</i>	<i>FedEx second: NHES-14L(M) Page B-91</i>
	<i>Advance letter-only: NHES-10L(MW) Page B-79</i>	<i>FedEx fourth: NHES-11L(W) Page B-94</i>	<i>FedEx fourth: 0939-12P(W) Page B-96</i>	<i>FedEx fourth: NHES-12L(W) Page B-98</i>	<i>FedEx fourth: NHES-12.2L(RC) Page B-100</i>	<i>FedEx fourth: NHES-13L(SM) Page B-101</i>	<i>FedEx fourth: NHES-14L(SM) Page B-103</i>
Opt-out screener materials condition	NHES-10L(MW) <i>Page B-106</i>	NHES-11L(SO) <i>Page B-108</i>	0939-12P(W) <i>Page B-110</i>	NHES-12L(SO) <i>Page B-112</i>	NHES-12.2L(RC) <i>Page B-114</i>	NHES-13L(SO) <i>Page B-115</i>	NHES-14L(SO) <i>Page B-117</i>
Targeted Spanish-speaking-household materials condition: likely-Spanish-speaking households²	NHES-10LB(MW) <i>Page B-120</i>	NHES-11LB(T) <i>Page B-122</i>	0939-12PB(MW) <i>Page B-124</i>	NHES-12LB(W) <i>Page B-126</i>	NHES-12.1L(RCT) <i>Page B-128</i>	NHES-13LB(T) <i>Page B-129</i>	NHES-14LB(M) <i>Page B-131</i>

¹ Non-paper-sensitive cases in this condition received the same contact materials as the baseline web-push condition.

² Not-likely-Spanish-speaking cases in this condition received the same contact materials as the baseline web-push condition.

NOTE: “FedEx second” includes both those cases that were assigned to the random FedEx second condition and those cases in the modeled FedEx condition that received FedEx second. “FedEx fourth” includes both those cases that were assigned to the random FedEx fourth condition and those cases in the modeled FedEx condition that received FedEx fourth.

B.1 Baseline Web-Push Condition



I am pleased to inform you that your household has been selected to participate in an important national survey on the education of people in the United States, the 2019 National Household Education Survey. The U.S. Census Bureau, on behalf of the U.S. Department of Education, conducts this survey of households every few years to gather information about learning activities that happen outside of schools.

What to expect next:

- In a few days you will receive an invitation in the mail from us to complete the survey.
- The survey can be completed at home by any adult in the household.
- Depending on your answers, it takes about 3 to 30 minutes to complete.
- We include \$5 as a token of our appreciation for your participation in this study. Please look for it in your next mailing from us!

If you would like more information on the study, please visit nces.ed.gov/nhes or contact us toll-free at 1-888-840-8353.

Thank you in advance for your help with this important study.

Sincerely,

Ron S. Jarmin
Performing the Non-Exclusive Functions
and Duties of the Director, U.S. Census Bureau

Authorization and Confidentiality of Information

The National Center for Education Statistics (NCES), within the U.S. Department of Education, is authorized to conduct the National Household Education Survey (NHES) by the Education Sciences Reform Act of 2002 (ESRA 2002, 20 U.S.C. §9543). The U.S. Census Bureau is administering this voluntary survey on behalf of NCES. There are no penalties should you choose not to participate in this study. All of the information you provide may be used only for statistical purposes and may not be disclosed, or used, in identifiable form for any other purpose except as required by law (20 U.S.C. §9573 and 6 U.S.C. §151).



Last week, the U.S. Census Bureau sent a letter to your household about the 2019 National Household Education Survey. Please complete this survey online as soon as possible using the instructions below.

Follow these three easy steps:

1. Go to: **<https://respond.census.gov/nhes>**
2. Enter your User ID:
3. Click "Begin survey" to participate in the survey.

We know that you are busy, and we have enclosed a \$5 token of our appreciation for your time.

We understand that not all households have Internet access. **If you want the survey in another format, have questions, or need assistance, please contact the U.S. Census Bureau toll-free at 1-888-840-8353.** You can find more information online at <https://nces.ed.gov/nhes/>.

Thank you for your participation in this valuable national survey. We look forward to your response.

Sincerely,

Ron S. Jarmin
Performing the Non-Exclusive Functions
and Duties of the Director, U.S. Census Bureau

Enclosures

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U.S. DEPARTMENT OF COMMERCE
Economics and Statistics Administration
U.S. Census Bureau
1201 E 10th St
Jeffersonville IN 47132-0001

OFFICIAL BUSINESS
Penalty for Private Use \$300

0939-12P(MW) (06-2018)



U.S. DEPARTMENT OF COMMERCE
Economics and Statistics Administration
U.S. Census Bureau
1201 E 10th St
Jeffersonville IN 47132-0001

OFFICIAL BUSINESS
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0939-12P(MW) (06-2018)



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UNITED STATES DEPARTMENT OF COMMERCE
Economics and Statistics Administration
U.S. Census Bureau
Washington, DC 20233-0001
OFFICE OF THE DIRECTOR

Recently we mailed you a letter asking you to participate in the 2019 National Household Education Survey. If you or someone in your household has already returned the survey, we thank you very much for your help! If you have not completed your survey, please do so right away.

If you have questions, feel free to contact us toll-free at 1–888–840–8353.

Sincerely,

Ron S. Jarmin
Performing the Non-Exclusive Functions
and Duties of the Director, U.S. Census Bureau

United States™
Census
Bureau

0939-12P(MW) (06-2018)



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Sincerely,

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Census
Bureau

B-10 *Baseline Web-Push Condition*

0939-12P(MW) (06-2018)



Did you know?

- From 2005 to 2016, the cost of child care from a day care center, Head Start program, or preschool rose from an average of \$5.29 to \$7.60 per hour.
- From 2012 to 2016, the percentage of parents who reported that the amount of homework their child was assigned was “about right” declined from 77% to 75%.

These are just some of the statistics that we learn from the National Household Education Survey.

Topics include:

Early childhood care and education | Parent and family involvement in education | Homeschooling

Now, we need your help to update this important information. Follow these steps to complete the survey:

1. Go to: **<https://respond.census.gov/nhes>**
2. Enter your User ID:
3. Click "Begin survey" to participate in the survey.

If you have questions or need assistance, please contact us toll-free at 1-888-840-8353.

You can find more information online at <https://nces.ed.gov/nhes/>.

Thank you for taking part in this important study.

Sincerely,

Ron S. Jarmin
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and Duties of the Director, U.S. Census Bureau

Authorization and Confidentiality of Information

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Automated reminder call script – NHES-12.1L(RC)

Hello! This is the U.S. Census Bureau on behalf of the National Household Education Survey. Thank you for receiving our earlier mailings. We know you are busy but your response is vital to the success of our study about learning. Keep a lookout for our next mailing. It will be sent by FedEx! We thank you in advance for your help with this important national study!



We have mailed this survey using rush delivery because of the importance of your response. We have not yet received your completed survey for the 2019 National Household Education Survey.

Please fill out the enclosed survey and return it in the postage-paid envelope as soon as possible.

Did you know?

All households that were selected for the survey that do not respond harm the accuracy of the study's findings. Whether your household is large or small, has children or not, your response is needed to provide the best possible data about education in America.

Call us toll-free at 1-888-840-8353 with any questions or to complete the survey with an interviewer. If there are no children in your household, this call will take 5 minutes or less.

Thank you for taking part in this important study.

Sincerely,

Ron S. Jarmin
Performing the Non-Exclusive Functions
and Duties of the Director, U.S. Census Bureau

Enclosures

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NHES-14L(M)
(06-2018)



UNITED STATES DEPARTMENT OF COMMERCE
Economics and Statistics Administration
U.S. Census Bureau
Washington, DC 20233-0001
OFFICE OF THE DIRECTOR

The last mailing we sent you was sent by rush delivery because of the importance of YOUR household's response to the 2019 National Household Education Survey.

It will take 3 minutes or less to complete the survey.

If you have any questions or would like to complete the survey with an interviewer, please call us toll-free at 1-888-840-8353. Please respond within the next TWO WEEKS.

You can find more information about this study online at nces.ed.gov/nhes.

Thank you for taking part in this important study.

Sincerely,

Ron S. Jarmin
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B.2 Choice-Plus Condition

B.2.1 \$10 Choice-Plus



I am pleased to inform you that your household has been selected to participate in an important national survey on the education of people in the United States, the 2019 National Household Education Survey. The U.S. Census Bureau, on behalf of the U.S. Department of Education, conducts this survey of households every few years to gather information about learning activities that happen outside of schools.

What to expect next:

- In a few days you will receive an invitation in the mail from us to complete the survey.
- The survey can be completed at home by any adult in the household.
- Depending on your answers, it takes about 3 to 30 minutes to complete.
- We include \$5 as a token of our appreciation for your participation in this study. Please look for it in your next mailing from us!

If you would like more information on the study, please visit nces.ed.gov/nhes or contact us toll-free at 1-888-840-8353.

Thank you in advance for your help with this important study.

Sincerely,

Ron S. Jarmin
Performing the Non-Exclusive Functions
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Last week, the U.S. Census Bureau sent a letter to your household about the 2019 National Household Education Survey. Please complete this survey as soon as possible.

We know that you are busy, and we have enclosed a \$5 token of our appreciation for your time.

There are three different ways you can complete the survey:

- By going online and following the three easy steps below
- Over the phone by calling the U.S. Census Bureau toll-free at 1-888-840-8353
- Returning the enclosed survey in the postage-paid envelope that is provided

Follow these three easy steps to complete the survey online:

1. Go to: **<https://respond.census.gov/nhes>**
2. Enter your User ID:
3. Click "Begin survey" to participate in the survey.

Want an extra \$10? Complete the survey online or over the phone and we will send you \$10 as an additional thank you for your participation!

If you have questions or need assistance, please contact us toll-free at 1-888-840-8353. You can find more information online at <https://nces.ed.gov/nhes/>.

Thank you for your participation in this valuable national survey. We look forward to your response.

Sincerely,

A handwritten signature in black ink, appearing to read "RJ", with a long horizontal stroke extending to the right.

Ron S. Jarmin
Performing the Non-Exclusive Functions
and Duties of the Director, U.S. Census Bureau

Enclosures

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0939-12.1P(CP)
(08-2018)



UNITED STATES DEPARTMENT OF COMMERCE
Economics and Statistics Administration
U.S. Census Bureau
Washington, DC 20233-0001
OFFICE OF THE DIRECTOR

Recently we mailed you a letter asking you to participate in the 2019 National Household Education Survey. If you or someone in your household has already completed the survey, we thank you very much for your help! If you have not completed your survey, please do so right away.

Follow these steps to finish the survey online:

1. Go to: <https://respond.census.gov/nhes>
2. Enter your User ID:
3. Click "Begin survey" to participate in the survey.

Don't forget-- if you complete the survey online or over the phone we will send you an additional \$10.

If you have questions, feel free to contact us toll-free at 1-888-840-8353.

Sincerely,

Ron S. Jarmin
Performing the Non-Exclusive Functions
and Duties of the Director, U.S. Census Bureau

Authorization and Confidentiality of Information

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Did you know?

- From 2005 to 2016, the cost of child care from a day care center, Head Start program, or preschool rose from an average of \$5.29 to \$7.60 per hour.
- From 2012 to 2016, the percentage of parents who reported that the amount of homework their child was assigned was "about right" declined from 77% to 75%.

These are just some of the statistics that we learn from the National Household Education Survey.

Topics include:

Early childhood care and education | Parent and family involvement in education | Homeschooling

Now, we need your help to update this important information. Remember-- if you complete the survey online or over the phone, we will send you \$10. Follow these steps to complete the survey:

1. Go to: **<https://respond.census.gov/nhes>**
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If you have questions or need assistance, please contact us toll-free at 1-888-840-8353. You can find more information online at <https://nces.ed.gov/nhes/>.

Thank you for taking part in this important study.

Sincerely,

A handwritten signature in black ink, appearing to read "RJ", with a long horizontal stroke extending to the right.

Ron S. Jarmin
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Automated reminder call script – NHES-12.1L(RC)

Hello! This is the U.S. Census Bureau on behalf of the National Household Education Survey. Thank you for receiving our earlier mailings. We know you are busy but your response is vital to the success of our study about learning. Keep a lookout for our next mailing. It will be sent by FedEx! We thank you in advance for your help with this important national study!



We have mailed this survey using rush delivery because of the importance of your response. We have not yet received your completed survey for the 2019 National Household Education Survey.

Don't forget-- if you complete the survey online or over the phone we will send you \$10. If you prefer to complete the enclosed paper survey, please return it in the postage-paid envelope as soon as possible.

Did you know?

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Call us toll-free at 1-888-840-8353 with any questions or to complete the survey with an interviewer. If there are no children in your household, this call will take 5 minutes or less.

Follow these steps to complete the survey online:

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The last mailing we sent you was sent by rush delivery because of the importance of YOUR household's response to the 2019 National Household Education Survey.

It may take 3 minutes or less to complete the survey.

Remember— if you respond within the next TWO WEEKS online or over the phone, we will send you \$10 as a thank you.

If you have any questions or would like to complete the survey with an interviewer please give us a call toll-free at 1-888-840-8353.

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B.2.2 \$20 Choice-Plus



I am pleased to inform you that your household has been selected to participate in an important national survey on the education of people in the United States, the 2019 National Household Education Survey. The U.S. Census Bureau, on behalf of the U.S. Department of Education, conducts this survey of households every few years to gather information about learning activities that happen outside of schools.

What to expect next:

- In a few days you will receive an invitation in the mail from us to complete the survey.
- The survey can be completed at home by any adult in the household.
- Depending on your answers, it takes about 3 to 30 minutes to complete.
- We include \$5 as a token of our appreciation for your participation in this study. Please look for it in your next mailing from us!

If you would like more information on the study, please visit nces.ed.gov/nhes or contact us toll-free at 1-888-840-8353.

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Last week, the U.S. Census Bureau sent a letter to your household about the 2019 National Household Education Survey. Please complete this survey as soon as possible.

We know that you are busy, and we have enclosed a \$5 token of our appreciation for your time.

There are three different ways you can complete the survey:

- By going online and following the three easy steps below
- Over the phone by calling the U.S. Census Bureau toll-free at 1-888-840-8353
- Returning the enclosed survey in the postage-paid envelope that is provided

Follow these three easy steps to complete the survey online:

1. Go to: **<https://respond.census.gov/nhes>**
2. Enter your User ID:
3. Click "Begin survey" to participate in the survey.

Want an extra \$20? Complete the survey online or over the phone and we will send you \$20 as an additional thank you for your participation!

If you have questions or need assistance, please contact us toll-free at 1-888-840-8353. You can find more information online at <https://nces.ed.gov/nhes/>.

Thank you for your participation in this valuable national survey. We look forward to your response.

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0939-12.2P(CP)
(08-2018)



UNITED STATES DEPARTMENT OF COMMERCE
Economics and Statistics Administration
U.S. Census Bureau
Washington, DC 20233-0001
OFFICE OF THE DIRECTOR

Recently we mailed you a letter asking you to participate in the 2019 National Household Education Survey. If you or someone in your household has already completed the survey, we thank you very much for your help! If you have not completed your survey, please do so right away.

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B.3 Modeled-Mode Condition: Paper-Sensitive Cases

Non-paper-sensitive cases in this condition received the same contact materials as the baseline web-push condition.



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What to expect next:

- In a few days you will receive a survey in the mail from us.
- The survey can be completed at home by any adult in the household.
- Depending on your answers, it takes about 3 minutes to complete.
- We include \$5 as a token of our appreciation for your participation in this study. Please look for it in your next mailing from us!

If you would like more information on the study, please visit nces.ed.gov/nhes or contact us toll-free at 1-888-840-8353.

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Last week, the U.S. Census Bureau sent a letter to your household about the 2019 National Household Education Survey. In this mailing you will find the survey. Here is how to respond:

- If you have no children in this household, answer the first question on the survey and return it in the postage-paid envelope that is provided. You're done!
- If there are children in this household, please complete this very brief survey and return it in the postage-paid envelope that is provided.

We know that you are busy, and we have enclosed a \$5 token of our appreciation for your time.

If you have questions or need assistance, please contact us toll-free at 1-888-840-8353. You can find more information online at <https://nces.ed.gov/nhes/>.

Thank you for your participation in this valuable national survey. We look forward to your response.

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Topics include:

Early childhood care and education | Parent and family involvement in education | Homeschooling

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Automated reminder call script – NHES-12.1L(RC)

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NHES-14L(M)
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B.4 Random Paper-Only Condition



I am pleased to inform you that your household has been selected to participate in an important national survey on the education of people in the United States, the 2019 National Household Education Survey. The U.S. Census Bureau, on behalf of the U.S. Department of Education, conducts this survey of households every few years to gather information about learning activities that happen outside of schools.

What to expect next:

- In a few days you will receive a survey in the mail from us.
- The survey can be completed at home by any adult in the household.
- Depending on your answers, it takes about 3 minutes to complete.
- We include \$5 as a token of our appreciation for your participation in this study. Please look for it in your next mailing from us!

If you would like more information on the study, please visit nces.ed.gov/nhes or contact us toll-free at 1-888-840-8353.

Thank you in advance for your help with this important study.

Sincerely,

Ron S. Jarmin
Performing the Non-Exclusive Functions
and Duties of the Director, U.S. Census Bureau

Authorization and Confidentiality of Information

The National Center for Education Statistics (NCES), within the U.S. Department of Education, is authorized to conduct the National Household Education Survey (NHES) by the Education Sciences Reform Act of 2002 (ESRA 2002, 20 U.S.C. §9543). The U.S. Census Bureau is administering this voluntary survey on behalf of NCES. There are no penalties should you choose not to participate in this study. All of the information you provide may be used only for statistical purposes and may not be disclosed, or used, in identifiable form for any other purpose except as required by law (20 U.S.C. §9573 and 6 U.S.C. §151).



Last week, the U.S. Census Bureau sent a letter to your household about the 2019 National Household Education Survey. In this mailing you will find the survey. Here is how to respond:

- If you have no children in this household, answer the first question on the survey and return it in the postage-paid envelope that is provided. You're done!
- If there are children in this household, please complete this very brief survey and return it in the postage-paid envelope that is provided.

We know that you are busy, and we have enclosed a \$5 token of our appreciation for your time.

If you have questions or need assistance, please contact us toll-free at 1-888-840-8353. You can find more information online at <https://nces.ed.gov/nhes/>.

Thank you for your participation in this valuable national survey. We look forward to your response.

Sincerely,

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Enclosures

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The National Center for Education Statistics (NCES), within the U.S. Department of Education, is authorized to conduct the National Household Education Survey (NHES) by the Education Sciences Reform Act of 2002 (ESRA 2002, 20 U.S.C. §9543). The U.S. Census Bureau is administering this voluntary survey on behalf of NCES. There are no penalties should you choose not to participate in this study. All of the information you provide may be used only for statistical purposes and may not be disclosed, or used, in identifiable form for any other purpose except as required by law (20 U.S.C. §9573 and 6 U.S.C. §151).

U.S. DEPARTMENT OF COMMERCE
Economics and Statistics Administration
U.S. Census Bureau
1201 E 10th St
Jeffersonville IN 47132-0001

OFFICIAL BUSINESS
Penalty for Private Use \$300

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Economics and Statistics Administration
U.S. Census Bureau
Washington, DC 20233-0001
OFFICE OF THE DIRECTOR

Recently we mailed you a letter asking you to participate in the 2019 National Household Education Survey. If you or someone in your household has already returned the survey, we thank you very much for your help! If you have not completed your survey, please do so right away.

If you have questions, feel free to contact us toll-free at 1–888–840–8353.

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Did you know?

- From 2005 to 2016, the cost of child care from a day care center, Head Start program, or preschool rose from an average of \$5.29 to \$7.60 per hour.
- From 2012 to 2016, the percentage of parents who reported that the amount of homework their child was assigned was “about right” declined from 77% to 75%.

These are just some of the statistics that we learn from the National Household Education Survey.

Topics include:

Early childhood care and education | Parent and family involvement in education | Homeschooling

Now, we need your help to update this important information. Please find the survey and postage-paid envelope enclosed again for your convenience.

If you have questions or need assistance, please contact us toll-free at 1-888-840-8353.
You can find more information online at <https://nces.ed.gov/nhes/>.

Thank you for taking part in this important study.

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Automated reminder call script – NHES-12.1L(RC)

Hello! This is the U.S. Census Bureau on behalf of the National Household Education Survey. Thank you for receiving our earlier mailings. We know you are busy but your response is vital to the success of our study about learning. Keep a lookout for our next mailing. It will be sent by FedEx! We thank you in advance for your help with this important national study!



We have mailed this survey using rush delivery because of the importance of your response. We have not yet received your completed survey for the 2019 National Household Education Survey.

Please fill out the enclosed survey and return it in the postage-paid envelope as soon as possible.

Did you know?

All households that were selected for the survey that do not respond harm the accuracy of the study's findings. Whether your household is large or small, has children or not, your response is needed to provide the best possible data about education in America.

Call us toll-free at 1-888-840-8353 with any questions or to complete the survey with an interviewer. If there are no children in your household, this call will take 5 minutes or less.

Thank you for taking part in this important study.

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NHES-14L(M)
(06-2018)



UNITED STATES DEPARTMENT OF COMMERCE
Economics and Statistics Administration
U.S. Census Bureau
Washington, DC 20233-0001
OFFICE OF THE DIRECTOR

The last mailing we sent you was sent by rush delivery because of the importance of YOUR household's response to the 2019 National Household Education Survey.

It will take 3 minutes or less to complete the survey.

If you have any questions or would like to complete the survey with an interviewer, please call us toll-free at 1-888-840-8353. Please respond within the next TWO WEEKS.

You can find more information about this study online at nces.ed.gov/nhes.

Thank you for taking part in this important study.

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B.5 Updated Web-Push Mailing Protocol

B.5.1 Advance Mailings

DID YOU KNOW?

The average cost of child care at a day care center, Head Start program, or preschool has increased.

Avg. cost
\$5.29/hr
2005

Avg. cost
\$7.60/hr
2016





INSTITUTE OF EDUCATION SCIENCES

NATIONAL
CENTER FOR
EDUCATION
STATISTICS



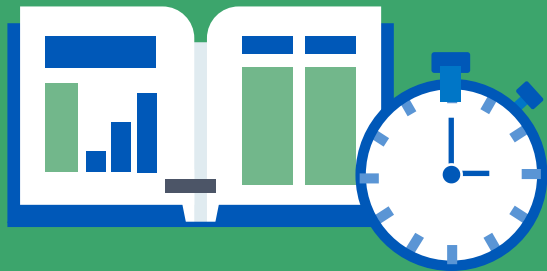
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The National Household Education Survey (NHES) is used to monitor educational trends in the United States over time. It has been conducted since the early 1990s. To learn more go to <https://nces.ed.gov/nhes/>.

DID YOU KNOW?

Students in kindergarten through grade 12 spent on **average 5 hours per week doing homework** in 2016.





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I am pleased to inform you that your household has been selected to participate in an important national survey on the education of people in the United States, the 2019 National Household Education Survey. The U.S. Census Bureau, on behalf of the U.S. Department of Education, conducts this survey of households every few years to gather information about learning activities that happen outside of schools.

What to expect next:

- In a few days you will receive an invitation in the mail from us to complete the survey.
- The survey can be completed at home by any adult in the household.
- Depending on your answers, it takes about 3 to 30 minutes to complete.
- We include \$5 as a token of our appreciation for your participation in this study. Please look for it in your next mailing from us!

If you would like more information on the study, please visit nces.ed.gov/nhes or contact us toll-free at 1-888-840-8353.

Thank you in advance for your help with this important study.

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**B.5.2 Screener Contact Materials: Random FedEx Second Condition; Modeled
FedEx Condition (FedEx-High-Priority Cases)**



Last week, the U.S. Census Bureau sent a letter to your household about the 2019 National Household Education Survey. Please complete this survey online as soon as possible using the instructions below.

Follow these three easy steps:

1. Go to: **<https://respond.census.gov/nhes>**
2. Enter your User ID:
3. Click "Begin survey" to participate in the survey.

We know that you are busy, and we have enclosed a \$5 token of our appreciation for your time.

We understand that not all households have Internet access. **If you want the survey in another format, have questions, or need assistance, please contact the U.S. Census Bureau toll-free at 1-888-840-8353.** You can find more information online at <https://nces.ed.gov/nhes/>.

Thank you for your participation in this valuable national survey. We look forward to your response.

Sincerely,

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0939-12P(W)
(06-2018)



UNITED STATES DEPARTMENT OF COMMERCE
Economics and Statistics Administration
U.S. Census Bureau
Washington, DC 20233-0001
OFFICE OF THE DIRECTOR

Recently we mailed you a letter asking you to participate in the 2019 National Household Education Survey. If you or someone in your household has already completed the survey, we thank you very much for your help! If you have not completed your survey, please do so right away.

Follow these steps to finish the survey online:

1. Go to: <https://respond.census.gov/nhes>
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0939-12P(W) (06-2018)





We have mailed this survey using rush delivery because of the importance of your response. We have not yet received your completed survey for the 2019 National Household Education Survey. Did you know?

- From 2005 to 2016, the cost of child care from a day care center, Head Start program, or preschool rose from an average of \$5.29 to \$7.60 per hour.
- From 2012 to 2016, the percentage of parents who reported that the amount of homework their child was assigned was “about right” declined from 77% to 75%.

These are just some of the statistics that we learn from the National Household Education Survey.

Topics include:

Early childhood care and education | Parent and family involvement in education | Homeschooling

Now, we need your help to update this important information. Follow these steps to complete the survey:

1. Go to: **<https://respond.census.gov/nhes>**
2. Enter your User ID:
3. Click "Begin survey" to participate in the survey.

If you have questions or need assistance, please contact us toll-free at 1-888-840-8353. You can find more information online at <https://nces.ed.gov/nhes/>.

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Automated reminder call script – NHES-12.2L(RC)

Hello! This is the U.S. Census Bureau on behalf of the National Household Education Survey. Thank you for receiving our earlier mailings. We know you are busy but your response is vital to the success of our study about learning. Keep a lookout for our next mailing. It will be sent in the next few days. We thank you in advance for your help with this important national study!



We have not yet received your completed survey for the 2019 National Household Education Survey.

Please fill out the enclosed survey and return it in the postage-paid envelope as soon as possible.

Did you know?

All households that were selected for the survey that do not respond harm the accuracy of the study's findings. Whether your household is large or small, has children or not, your response is needed to provide the best possible data about education in America.

Call us toll-free at 1-888-840-8353 with any questions or to complete the survey with an interviewer. If there are no children in your household, this call will take 5 minutes or less.

Thank you for taking part in this important study.

Sincerely,

A handwritten signature in black ink, appearing to read "RJ", with a long, sweeping horizontal line extending to the right.

Ron S. Jarmin
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Enclosures

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NHES-14L(M)
(06-2018)



UNITED STATES DEPARTMENT OF COMMERCE
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It will take 3 minutes or less to complete the survey.

If you have any questions or would like to complete the survey with an interviewer, please call us toll-free at 1-888-840-8353. Please respond within the next TWO WEEKS.

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B.5.3 Screener Contact Materials: Random FedEx Fourth Condition; Modeled FedEx Condition (FedEx-Low-Priority Cases)



Last week, the U.S. Census Bureau sent a letter to your household about the 2019 National Household Education Survey. Please complete this survey online as soon as possible using the instructions below.

Follow these three easy steps:

1. Go to: **<https://respond.census.gov/nhes>**
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We know that you are busy, and we have enclosed a \$5 token of our appreciation for your time.

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0939-12P(W)
(06-2018)



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Updated Web-Push Mailing
Protocol: Random FedEx Fourth;
Modeled FedEx
(FedEx-Low-Priority Cases)

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0939-12P(W) (06-2018)



B-97 *Updated Web-Push Mailing
Protocol: Random FedEx Fourth;
Modeled FedEx
(FedEx-Low-Priority Cases)*



Did you know?

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Topics include:

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Automated reminder call script – NHES-12.2L(RC)

Hello! This is the U.S. Census Bureau on behalf of the National Household Education Survey. Thank you for receiving our earlier mailings. We know you are busy but your response is vital to the success of our study about learning. Keep a lookout for our next mailing. It will be sent in the next few days. We thank you in advance for your help with this important national study!



We have not yet received your completed survey for the 2019 National Household Education Survey.

Please fill out the enclosed survey and return it in the postage-paid envelope as soon as possible.

Did you know?

All households that were selected for the survey that do not respond harm the accuracy of the study's findings. Whether your household is large or small, has children or not, your response is needed to provide the best possible data about education in America.

Call us toll-free at 1-888-840-8353 with any questions or to complete the survey with an interviewer. If there are no children in your household, this call will take 5 minutes or less.

Thank you for taking part in this important study.

Sincerely,

Ron S. Jarmin
Performing the Non-Exclusive Functions
and Duties of the Director, U.S. Census Bureau

Enclosures

Authorization and Confidentiality of Information

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NHES-14L(SM)
(06-2018)



UNITED STATES DEPARTMENT OF COMMERCE
Economics and Statistics Administration
U.S. Census Bureau

Washington, DC 20233-0001
OFFICE OF THE DIRECTOR

We have mailed this survey using rush delivery because of the importance of your response to the 2019 National Household Education Survey.

It may take 3 minutes or less to complete the survey.

If you have any questions or would like to complete the survey with an interviewer please give us a call toll-free at 1-888-840-8353. Please respond within the next TWO WEEKS.

You can find more information about this study online at nces.ed.gov/nhes.

Thank you for taking part in this important study.

Sincerely,

Ron S. Jarmin
Performing the Non-Exclusive Functions
and Duties of the Director, U.S. Census Bureau

Enclosures

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B.6 Opt-Out Screener Materials Condition



I am pleased to inform you that your household has been selected to participate in an important national survey on the education of people in the United States, the 2019 National Household Education Survey. The U.S. Census Bureau, on behalf of the U.S. Department of Education, conducts this survey of households every few years to gather information about learning activities that happen outside of schools.

What to expect next:

- In a few days you will receive an invitation in the mail from us to complete the survey.
- The survey can be completed at home by any adult in the household.
- Depending on your answers, it takes about 3 to 30 minutes to complete.
- We include \$5 as a token of our appreciation for your participation in this study. Please look for it in your next mailing from us!

If you would like more information on the study, please visit nces.ed.gov/nhes or contact us toll-free at 1-888-840-8353.

Thank you in advance for your help with this important study.

Sincerely,

Ron S. Jarmin
Performing the Non-Exclusive Functions
and Duties of the Director, U.S. Census Bureau

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Last week, the U.S. Census Bureau sent a letter to your household about the 2019 National Household Education Survey. Please complete this survey online as soon as possible using the instructions below.

Follow these three easy steps:

1. Go to: **<https://respond.census.gov/nhes>**
2. Enter your User ID:
3. Click "Begin survey" to participate in the survey.

We know that you are busy, and we have enclosed a \$5 token of our appreciation for your time. If there are no children in your household, this will take only a minute or two.

We understand that not all households have Internet access. **If you want the survey in another format, have questions, or need assistance, please contact the U.S. Census Bureau toll-free at 1-888-840-8353.** You can find more information online at <https://nces.ed.gov/nhes/>.

Thank you for your participation in this valuable national survey. We look forward to your response.

Sincerely,

Ron S. Jarmin
Performing the Non-Exclusive Functions
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Enclosures

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0939-12P(W)
(06-2018)



UNITED STATES DEPARTMENT OF COMMERCE
Economics and Statistics Administration
U.S. Census Bureau
Washington, DC 20233-0001
OFFICE OF THE DIRECTOR

Recently we mailed you a letter asking you to participate in the 2019 National Household Education Survey. If you or someone in your household has already completed the survey, we thank you very much for your help! If you have not completed your survey, please do so right away.

Follow these steps to finish the survey online:

1. Go to: <https://respond.census.gov/nhes>
2. Enter your User ID:
3. Click "Begin survey" to participate in the survey.

If you have questions, feel free to contact us toll-free at 1-888-840-8353.

Sincerely,

Ron S. Jarmin
Performing the Non-Exclusive Functions
and Duties of the Director, U.S. Census Bureau

Authorization and Confidentiality of Information

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U.S. DEPARTMENT OF COMMERCE
Economics and Statistics Administration
U.S. Census Bureau
1201 E 10th St
Jeffersonville IN 47132-0001

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OFFICIAL BUSINESS
Penalty for Private Use \$300

0939-12P(W) (06-2018)





We have mailed this survey using rush delivery because of the importance of your response. We have not yet received your complete survey for the 2019 National Household Education Survey. Did you know?

- From 2005 to 2016, the cost of child care from a day care center, Head Start program, or preschool rose from an average of \$5.29 to \$7.60 per hour.
- From 2012 to 2016, the percentage of parents who reported that the amount of homework their child was assigned was “about right” declined from 77% to 75%.

These are just some of the statistics that we learn from the National Household Education Survey.

Topics include:

Early childhood care and education | Parent and family involvement in education | Homeschooling

Now, we need your help to update this important information. If you don't have children, you will only need to answer one question. Follow these steps to complete the survey:

1. Go to: **<https://respond.census.gov/nhes>**
2. Enter your User ID:
3. Click "Begin survey" to participate in the survey.

If you have questions or need assistance, please contact us toll-free at 1-888-840-8353. You can find more information online at <https://nces.ed.gov/nhes/>.

Thank you for taking part in this important study.

Sincerely,

Ron S. Jarmin
Performing the Non-Exclusive Functions
and Duties of the Director, U.S. Census Bureau

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Automated reminder call script – NHES-12.2L(RC)

Hello! This is the U.S. Census Bureau on behalf of the National Household Education Survey. Thank you for receiving our earlier mailings. We know you are busy but your response is vital to the success of our study about learning. Keep a lookout for our next mailing. It will be sent in the next few days. We thank you in advance for your help with this important national study!



We have not yet received your completed survey for the 2019 National Household Education Survey.

Please fill out the enclosed survey and return it in the postage-paid envelope as soon as possible. If there are no children in your household, please answer the one question on the cover and return it.

Did you know?

All households that were selected for the survey that do not respond harm the accuracy of the study's findings. Whether your household is large or small, has children or not, your response is needed to provide the best possible data about education in America.

Call us toll-free at 1-888-840-8353 with any questions or to complete the survey with an interviewer.

Thank you for taking part in this important study.

Sincerely,

Ron S. Jarmin
Performing the Non-Exclusive Functions
and Duties of the Director, U.S. Census Bureau

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NHES-14L(SO)
(06-2018)



UNITED STATES DEPARTMENT OF COMMERCE
Economics and Statistics Administration
U.S. Census Bureau
Washington, DC 20233-0001
OFFICE OF THE DIRECTOR

I am writing to request only a few minutes of your time to help with this vital study. If there are no children in your household, all you need to do is answer one question on the cover of the enclosed survey.

If you have any questions or would like to complete the survey with an interviewer please give us a call toll-free at 1-888-840-8353. Please respond within the next **TWO WEEKS**.

You can find more information about this study online at nces.ed.gov/nhes.

Thank you for taking part in this important study.

Sincerely,

Ron S. Jarmin
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B.7 Targeted Spanish-Speaking-Household Materials Condition: Likely-Spanish-Speaking Households

Not-likely-Spanish-speaking cases in this condition received the same contact materials as the baseline web-push condition.



I am pleased to inform you that your household has been selected to participate in an important national survey on the education of people in the United States, the 2019 National Household Education Survey. The U.S. Census Bureau, on behalf of the U.S. Department of Education, conducts this survey of households every few years to gather information about learning activities that happen outside of schools.

What to expect next:

- In a few days you will receive an invitation in the mail from us to complete the survey.
 - The survey can be completed at home by any adult in the household.
 - Depending on your answers, it takes about 3 to 30 minutes to complete.
 - We include \$5 as a token of our appreciation for your participation in this study.
- Please look for it in your next mailing from us!

If you would like more information on the study, please visit nces.ed.gov/nhes or contact us toll-free at 1-888-840-8353.

Thank you in advance for your help with this important study.

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Si usted prefiere la versión en español, vea al dorso de la carta.



Me complace informarle que su hogar fue seleccionado para participar en una importante encuesta nacional sobre la educación de las personas en los Estados Unidos, la Encuesta Nacional en Hogares sobre Educación del 2019. La Oficina del Censo de los EE. UU., en nombre del Departamento de Educación de los EE. UU., realiza esta encuesta en los hogares cada ciertos años para recopilar información sobre las actividades de aprendizaje que se llevan a cabo fuera de las escuelas.

Qué debe esperar próximamente:

- Dentro de unos días, recibirá de nuestra parte una invitación por correo postal para completar la encuesta.
- La encuesta puede ser respondida en casa por cualquier adulto que se encuentre en el hogar.
- Dependiendo de cuáles sean sus respuestas, tardará entre 3 y 30 minutos en completarla.
- Como muestra de nuestro agradecimiento, incluiremos \$5 por su participación en este estudio. ¡Los recibirá en nuestro próximo envío por correo!

Si desea recibir más información sobre este estudio, visite nces.ed.gov/nhes o comuníquese con nosotros llamando al número gratuito 1-888-840-8353.

Le agradecemos de antemano por su ayuda con este importante estudio.

Atentamente,

Ron S. Jarmin
En desempeño de las funciones y obligaciones
no exclusivas del Director, Oficina del Censo de los EE. UU.

Aviso sobre la autorización y la confidencialidad de la información

El Centro Nacional para Estadísticas de la Educación (NCES por sus siglas en Inglés), dentro del Departamento de Educación, está autorizado a realizar este estudio por medio de la Reforma a la Ley de las Ciencias de la Educación del 2002 (ESRA 2002; título 20; sección 9543). La Oficina del Censo de Estados Unidos administra esta encuesta voluntaria en nombre de NCES. No hay sanciones si decide no participar en este estudio. Toda la información que brinde puede ser utilizada solo con fines estadísticos y no puede divulgarse ni usarse en forma identificable para ningún otro fin, excepto cuando lo exija la ley (20 U.S.C. §9573 y 6 U.S.C. §151).

If you prefer English please see the letter on the other side.



Make your experience count. Take the 2019 National Household Education Survey now!



Voluntary



About your community



Trusted by

- ✓ Hispanic Association of Colleges and Universities
- ✓ ASPIRA Association
- ✓ U.S. Hispanic Chamber of Commerce
- ✓ ListoAmerica
- ✓ UnidosUS

Follow these three easy steps:

1. Go to: <https://respond.census.gov/nhes>
2. Enter your User ID:
3. Click "Begin survey" to participate in the survey.

We know that you are busy, and we have enclosed a \$5 token of our appreciation for your time.

We understand that not all households have Internet access. **If you want the survey in another format, have questions, or need assistance, please contact the U.S. Census Bureau toll-free at 1-888-840-8353.** You can find more information online at <https://nces.ed.gov/nhes/>.

Thank you for your participation in this valuable national survey. We look forward to your response.

Sincerely,

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Si usted prefiere la versión en español, vea al dorso de la carta.



Haga que su experiencia cuente. ¡Complete la Encuesta Nacional en los Hogares sobre Educación del 2019 ahora!



Voluntaria



Sobre su comunidad



Apoyada por

- ✓ La Asociación Hispana de Universidades
- ✓ ASPIRA Association
- ✓ Cámara de Comercio Hispana de Estados
- ✓ ListoAmerica
- ✓ UnidosUS

Siga estos tres sencillos pasos:

1. Visite: <https://respond.census.gov/nhes>
2. Escriba su identificación de usuario:
3. Haga clic en "Empezar encuesta" para participar en la encuesta.

Sabemos que usted es una persona ocupada y como muestra de nuestro agradecimiento incluimos \$5 por su tiempo.

Entendemos que no todos los hogares tienen acceso a Internet. **Si desea recibir la encuesta en otro formato, tiene alguna pregunta o necesita ayuda adicional, comuníquese con la Oficina del Censo de los EE. UU. llamando al número gratuito 1-888-840-8353.** Puede encontrar más información disponible en Internet en: <https://nces.ed.gov/nhes/>.

Le agradecemos su participación en esta importante encuesta nacional. Esperamos su respuesta.

Atentamente,

Ron S. Jarmin
En desempeño de las funciones y obligaciones
no exclusivas del Director, Oficina del Censo de los EE. UU.

Documentos adjuntos

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If you prefer English please see the letter on the other side.

U.S. DEPARTMENT OF COMMERCE
Economics and Statistics Administration
U.S. Census Bureau
1201 E 10th St
Jeffersonville IN 47132-0001

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0939-12PB(MW) (10•2018)

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U.S. Census Bureau
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Permit No. G-58



UNITED STATES DEPARTMENT OF COMMERCE
Economics and Statistics Administration
U.S. Census Bureau
Washington, DC 20233-0001
OFFICE OF THE DIRECTOR

Recently we mailed you a letter asking you to participate in the 2019 National Household Education Survey. If you or someone in your household has already returned the survey, we thank you very much for your help! If you have not completed your survey, please do so right away.

If you have questions, feel free to contact us toll-free at 1-888-840-8353.

Sincerely,

Ron S. Jarmin
Performing the Non-Exclusive Functions
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United States™
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Bureau

0939-12PB(MW) (10-2018)



UNITED STATES DEPARTMENT OF COMMERCE
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0939-12PB(MW) (10-2018)



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0939-12PB(MW) (10-2018)



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If you have questions, feel free to contact us toll-free at 1-888-840-8353.

Sincerely,

Ron S. Jarmin
Performing the Non-Exclusive Functions
and Duties of the Director, U.S. Census Bureau

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B-125

*Targeted Spanish-Speaking-Household Materials Condition:
Likely-Spanish-Speaking Households*

0939-12PB(MW) (10-2018)

Recientemente le enviamos por correo postal una carta para invitarlo(a) a participar en la Encuesta Nacional en Hogares sobre Educación del 2019. Si usted o alguien en su hogar ya ha regresado la encuesta, ¡le damos las gracias por su ayuda! Si no ha completado la encuesta, por favor, hágalo cuanto antes.

Si tiene alguna pregunta, comuníquese con nosotros llamando al número gratuito 1-888-840-8353.

Atentamente,

Ron S. Jarmin
En desempeño de las funciones y obligaciones no exclusivas del Director,
Oficina del Censo de los EE. UU.

Recientemente le enviamos por correo postal una carta para invitarlo(a) a participar en la Encuesta Nacional en Hogares sobre Educación del 2019. Si usted o alguien en su hogar ya ha regresado la encuesta, ¡le damos las gracias por su ayuda! Si no ha completado la encuesta, por favor, hágalo cuanto antes.

Si tiene alguna pregunta, comuníquese con nosotros llamando al número gratuito 1-888-840-8353.

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*Targeted Spanish-Speaking-Household Materials Condition:
Likely-Spanish-Speaking Households*

0939-12PB(MW) (10-2018)



Did you know?

- From 2005 to 2016, the cost of child care from a day care center, Head Start program, or preschool rose from an average of \$5.29 to \$7.60 per hour.
- From 2012 to 2016, the percentage of parents who reported that the amount of homework their child was assigned was “about right” declined from 77% to 75%.

These are just some of the statistics that we learn from the National Household Education Survey.

Topics include:

Early childhood care and education | Parent and family involvement in education | Homeschooling

Now, we need your help to update this important information. Follow these steps to complete the survey:

1. Go to: <https://respond.census.gov/nhes>
2. Enter your User ID:
3. Click "Begin survey" to participate in the survey.

If you have questions or need assistance, please contact us toll-free at 1-888-840-8353. You can find more information online at <https://nces.ed.gov/nhes/>.

Thank you for taking part in this important study.

Sincerely,

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Si usted prefiere la versión en español, vea al dorso de la carta.



¿Sabía que...?

- Del 2005 al 2016, el costo del cuidado infantil en una guardería, programa Head Start, o educación preescolar aumentó un promedio de \$5.29 a \$7.60 por hora.
- Del 2012 al 2016, el porcentaje de padres que informaron que la cantidad de tareas escolares asignadas a sus hijos fue “adecuada” disminuyó del 77% al 75%.

Estos son solamente algunos de los datos estadísticos que hemos obtenido a partir de la Encuesta Nacional en Hogares sobre Educación.

Los temas incluyen:

Educación y cuidados en la primera infancia | Participación de los padres y la familia en la educación | Educación en el hogar (Homeschooling)

Ahora necesitamos su ayuda para actualizar esta importante información. Siga estos pasos para completar la encuesta:

1. Visite: <https://respond.census.gov/nhes>
2. Escriba su identificación de usuario:
3. Haga clic en “Empezar encuesta” para participar en la encuesta.

Si tiene alguna pregunta o si necesita ayuda, comuníquese con nosotros llamando al número gratuito 1-888-840-8353. Puede encontrar más información disponible en Internet en: <https://nces.ed.gov/nhes/>.

Gracias por participar en este importante estudio.

Atentamente,

Ron S. Jarmin
En desempeño de las funciones y obligaciones
no exclusivas del Director, Oficina del Censo de los EE. UU.

Aviso sobre la autorización y la confidencialidad de la información

El Centro Nacional para Estadísticas de la Educación (NCES por sus siglas en Inglés), dentro del Departamento de Educación, está autorizado a realizar este estudio por medio de la Reforma a la Ley de las Ciencias de la Educación del 2002 (ESRA 2002; título 20; sección 9543). La Oficina del Censo de Estados Unidos administra esta encuesta voluntaria en nombre de NCES. No hay sanciones si decide no participar en este estudio. Toda la información que brinde puede ser utilizada solo con fines estadísticos y no puede divulgarse ni usarse en forma identificable para ningún otro fin, excepto cuando lo exija la ley (20 U.S.C. §9573 y 6 U.S.C. §151).

If you prefer English please see the letter on the other side.

Automated reminder call script – NHES-12.1L(RCT)

Hola! This is the U.S. Census Bureau on behalf of the National Household Education Survey. Thank you for receiving our earlier mailings. We know you are busy but your response is vital to the success of our study about learning. Keep a lookout for our next mailing. It will be sent by FedEx! We thank you in advance for your help with this important national study!

NHES-13LB(T)
(09-2018)



UNITED STATES DEPARTMENT OF COMMERCE
Economics and Statistics Administration
U.S. Census Bureau
Washington, DC 20233-0001
OFFICE OF THE DIRECTOR

We have mailed this survey using rush delivery because of the importance of your response. We have not yet received your completed survey for the 2019 National Household Education Survey.

Make your experience count. Please fill out the enclosed survey and return it in the postage-paid envelope as soon as possible.

Did you know?

All households that were selected for the survey that do not respond harm the accuracy of the study's findings. Whether your household is large or small, has children or not, your response is needed to provide the best possible data about education in America.

Take the 2019 National Household Education Survey now!



Voluntary



About your community



Trusted by

- ✓ Hispanic Association of Colleges and Universities
- ✓ ASPIRA Association
- ✓ U.S. Hispanic Chamber of Commerce
- ✓ ListoAmerica
- ✓ UnidosUS

Call us toll-free at 1-888-840-8353 with any questions or to complete the survey with an interviewer. If there are no children in your household, this call will take 5 minutes or less.

Thank you for taking part in this important study.

Sincerely,

Ron S. Jarmin
Performing the Non-Exclusive Functions
and Duties of the Director, U.S. Census Bureau

Enclosures

Authorization and Confidentiality of Information

The National Center for Education Statistics (NCES), within the U.S. Department of Education, is authorized to conduct the National Household Education Survey (NHES) by the Education Sciences Reform Act of 2002 (ESRA 2002, 20 U.S.C. §9543). The U.S. Census Bureau is administering this voluntary survey on behalf of NCES. There are no penalties should you choose not to participate in this study. All of the information you provide may be used only for statistical purposes and may not be disclosed, or used, in identifiable form for any other purpose except as required by law (20 U.S.C. §9573 and 6 U.S.C. §151).

Si usted prefiere la versión en español, vea al dorso de la carta.



Debido a la importancia que tiene su respuesta, le hemos enviado esta encuesta mediante el servicio de entrega urgente. Todavía no hemos recibido su encuesta completa para la Encuesta Nacional en Hogares sobre Educación del 2019.

Haga que su experiencia cuente. Por favor, complete la encuesta adjunta y devuélvala en el sobre con franqueo pagado tan pronto como sea posible.

¿Sabía que...?

Todos los hogares que fueron seleccionados y que no respondan la encuesta perjudican la exactitud de los resultados del estudio. Independientemente de que su hogar sea grande o pequeño, tenga hijos o no, sus respuestas son importantes para proporcionarnos los mejores datos posibles sobre la educación en los Estados Unidos.

¡Complete la Encuesta Nacional en los Hogares sobre Educación del 2019 ahora!



Voluntaria



Sobre su comunidad



Apoyada por

- ✓ La Asociación Hispana de Universidades
- ✓ ASPIRA Association
- ✓ Cámara de Comercio Hispana de Estados
- ✓ ListoAmerica
- ✓ UnidosUS

Si tiene alguna pregunta o si desea completar la encuesta con un entrevistador, llámenos al número gratuito 1-888-840-8353. Si no hay niños en su hogar, esta llamada tomará menos de 5 minutos.

Gracias por participar en este importante estudio.

Atentamente,

Ron S. Jarmin
En desempeño de las funciones y obligaciones
no exclusivas del Director, Oficina del Censo de los EE. UU.

Documentos adjuntos

Aviso sobre la autorización y la confidencialidad de la información

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If you prefer English please see the letter on the other side.

NHES-14LB(M)
(08-2018)



UNITED STATES DEPARTMENT OF COMMERCE
Economics and Statistics Administration
U.S. Census Bureau
Washington, DC 20233-0001
OFFICE OF THE DIRECTOR

The last mailing we sent you was sent by rush delivery because of the importance of YOUR household's response to the 2019 National Household Education Survey.

It will take 3 minutes or less to complete the survey.

If you have any questions or would like to complete the survey with an interviewer, please call us toll-free at 1-888-840-8353. Please respond within the next TWO WEEKS.

You can find more information about this study online at nces.ed.gov/nhes.

Thank you for taking part in this important study.

Sincerely,

Ron S. Jarmin
Performing the Non-Exclusive Functions
and Duties of the Director, U.S. Census Bureau

Enclosures

Authorization and Confidentiality of Information

The National Center for Education Statistics (NCES), within the U.S. Department of Education, is authorized to conduct the National Household Education Survey (NHES) by the Education Sciences Reform Act of 2002 (ESRA 2002, 20 U.S.C. §9543). The U.S. Census Bureau is administering this voluntary survey on behalf of NCES. There are no penalties should you choose not to participate in this study. All of the information you provide may be used only for statistical purposes and may not be disclosed, or used, in identifiable form for any other purpose except as required by law (20 U.S.C. §9573 and 6 U.S.C. §151).

Si usted prefiere la versión en español, vea al dorso de la carta.



B-131

*Targeted Spanish-Speaking-Household
Materials Condition: Likely-Spanish-Speaking Households*
census.gov



Debido a la importancia que tiene SU respuesta acerca de su hogar para la Encuesta Nacional en Hogares sobre Educación del 2019, el último correo postal que le enviamos fue mediante el servicio de entrega urgente.

Completar la encuesta tomará menos de 3 minutos.

Si tiene alguna pregunta o desea completar la encuesta con un entrevistador, llámenos al número gratuito 1-888-840-8353. Por favor, responda en el transcurso de las siguientes DOS SEMANAS.

Puede encontrar más información disponible en Internet sobre este estudio en: nces.ed.gov/nhes.

Gracias por participar en este importante estudio.

Atentamente,

Ron S. Jarmin
En desempeño de las funciones y obligaciones
no exclusivas del Director, Oficina del Censo de los EE. UU.

Documentos adjuntos

Aviso sobre la autorización y la confidencialidad de la información

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If you prefer English please see the letter on the other side.

Appendix C. NHES:2019 Paper Screener Questionnaires

The paper screener questionnaires used in NHES:2019 varied by experimental condition. Appendix C includes copies of these paper screener questionnaire. Exhibit C.1 summarizes which paper screener questionnaire was used in each experimental condition. It also indicates the page number on which each questionnaire can be found in this appendix.

Exhibit C.1. NHES:2019 paper screener questionnaire, by experimental condition

Experimental condition	Paper screener questionnaire
Baseline web-push condition	NHES-SCRN <i>Page C-3</i>
Choice-plus condition	
Modeled-mode condition	
Random paper-only condition	
Updated web-push mailing protocol	
Opt-out screener materials condition	NHES-SCRN(O) <i>Page C-5</i>
Targeted Spanish-speaking-household materials condition	<i>Likely-Spanish-speaking households:</i> NHES-SCRN(T) and NHES-SCRN(TS) <i>Pages C-7 and C-9</i>
	<i>Not-likely-Spanish-speaking households:</i> NHES-SCRN <i>Page C-3</i>

UNITED STATES DEPARTMENT OF COMMERCE
Economics and Statistics Administration
U.S. Census Bureau



National Household Education Survey



The National Center for Education Statistics (NCES), within the U.S. Department of Education, is authorized to conduct the National Household Education Survey (NHES) by the Education Sciences Reform Act of 2002 (ESRA 2002, 20 U.S.C. §9543). The U.S. Census Bureau is administering this voluntary survey on behalf of NCES. There are no penalties should you choose not to participate in this study. All of the information you provide may be used only for statistical purposes and may not be disclosed, or used, in identifiable form for any other purpose except as required by law (20 U.S.C. §9573 and 6 U.S.C. §151). According to the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this voluntary survey is 1850-0768. The time required to complete this survey is estimated to average 3 minutes per response, including the time to review instructions, gather the data needed, and complete and review the survey. If you have any comments concerning the accuracy of the time estimate, suggestions for improving this survey, or any comments or concerns regarding the status of your individual submission of this survey, please e-mail: nhes@census.gov or write directly to: Sarah Grady, National Center for Education Statistics (NCES), PCP, 550 12th St., SW, 4th floor, Washington, DC 20202.

NHES-SCRN
(09/18/2018)

National Household Education Survey

Conducted for:
U.S. Department of Education
National Center for Education Statistics

Start Here

The Department of Education is studying households with children or youth age 20 or younger. Each household is different, and we need your response so we can send you a survey that is right for your household.

- Return this form even if there are no children or youth in this household after marking the correct box in item 1 below.
- This survey should be filled out by an adult household member living at this address.
- Please use a blue or black pen if available.

1. Are there any children or youth age 20 or younger living in this household?

Include small children, foster children, babies, and those living in college housing (if they have no other permanent home).

- ☐ Yes
- ☐ No
- Please stop here and RETURN this survey to us in the enclosed envelope. It is important that we receive a response from every household selected for this study. Thank you for your time.

2. How many children or youth age 20 or younger live in this household?

 number age 20 or younger

- Continue answering questions 3 through 7 for each child or youth living in this household.

Start with the youngest child or youth who is age 20 or younger.

Child / Youth 1

3. What is his or her first name, initials, or nickname?
First names will be used only to ask you questions about the education of a specific child.

First name/initials/nickname

4. What is this child/youth's month and year of birth?

/

month year of birth

5. What is this child/youth's sex?
- ☐ Male
- ☐ Female

6. Is this child/youth currently in
Mark [X] ONE only.

- ☐ Homeschool instead of attending a public or private school for some or all classes,
- ☐ Public or private school, or preschool,
- ☐ College, university or vocational school, or
- ☐ Not in school?

GO TO child/youth 2

7. What is this child/youth's current grade or equivalent?

- ☐ Preschool
- ☐ Kindergarten
- write grade 1 through 12
- ☐ College, university or vocational school
- ☐ None of these

Child / Youth 2

First name/initials/nickname

/

month year of birth

- ☐ Male
- ☐ Female

- ☐ Homeschool instead of attending a public or private school for some or all classes,
- ☐ Public or private school, or preschool,
- ☐ College, university or vocational school, or
- ☐ Not in school?

GO TO child/youth 3

- ☐ Preschool
- ☐ Kindergarten

- write grade 1 through 12
- ☐ College, university or vocational school
- ☐ None of these

Child / Youth 3

First name/initials/nickname

/

month year of birth

- ☐ Male
- ☐ Female

- ☐ Homeschool instead of attending a public or private school for some or all classes,
- ☐ Public or private school, or preschool,
- ☐ College, university or vocational school, or
- ☐ Not in school?

GO TO child/youth 4

- ☐ Preschool
- ☐ Kindergarten

- write grade 1 through 12
- ☐ College, university or vocational school
- ☐ None of these

Child / Youth 4

First name/initials/nickname

/

month year of birth

- ☐ Male
- ☐ Female

- ☐ Homeschool instead of attending a public or private school for some or all classes,
- ☐ Public or private school, or preschool,
- ☐ College, university or vocational school, or
- ☐ Not in school?

GO TO child/youth 5

- ☐ Preschool
- ☐ Kindergarten

- write grade 1 through 12
- ☐ College, university or vocational school
- ☐ None of these

Child / Youth 5

First name/initials/nickname

/

month year of birth

- ☐ Male
- ☐ Female

- ☐ Homeschool instead of attending a public or private school for some or all classes,
- ☐ Public or private school, or preschool,
- ☐ College, university or vocational school, or
- ☐ Not in school?

Return Survey.

- ☐ Preschool
- ☐ Kindergarten

- write grade 1 through 12
- ☐ College, university or vocational school
- ☐ None of these

Please verify you have listed the 5 youngest children or youth living in this household in columns 1 through 5 above.

Thank you. Please return this form in the postage-paid envelope provided or mail it to:

U.S. Census Bureau
ATTN: DCB 60-A (0939)
1201 E. 10th Street
Jeffersonville, IN 47132-0001

Toll-free number for questions: 1-888-840-8353

UNITED STATES DEPARTMENT OF COMMERCE
Economics and Statistics Administration
U.S. Census Bureau



National Household Education Survey



Are there any children or youth age 20 or younger living in this household?

Include small children, foster children, babies, and those living in college housing (if they have no other permanent home).

☐ Yes → **Thank you. Please open to complete this brief survey.**

☐ No → **You are FINISHED with the National Household Education Survey. Please RETURN this survey to us in the enclosed envelope. Thank you for your time.**

The National Center for Education Statistics (NCES), within the U.S. Department of Education, is authorized to conduct the National Household Education Survey (NHES) by the Education Sciences Reform Act of 2002 (ESRA 2002, 20 U.S.C. §9543). The U.S. Census Bureau is administering this voluntary survey on behalf of NCES. There are no penalties should you choose not to participate in this study. All of the information you provide may be used only for statistical purposes and may not be disclosed, or used, in identifiable form for any other purpose except as required by law (20 U.S.C. §9573 and 6 U.S.C. §151). According to the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this voluntary survey is 1850-0768. The time required to complete this survey is estimated to average 3 minutes per response, including the time to review instructions, gather the data needed, and complete and review the survey. If you have any comments concerning the accuracy of the time estimate, suggestions for improving this survey, or any comments or concerns regarding the status of your individual submission of this survey, please e-mail: nhes@census.gov or write directly to: Sarah Grady, National Center for Education Statistics (NCES), PCP, 550 12th St., SW, 4th floor, Washington, DC 20202.

NHES-SCRN(O)
(09/18/2018)

National Household Education Survey

Conducted for:
U.S. Department of Education
National Center for Education Statistics

Start Here

The Department of Education is studying households with children or youth age 20 or younger. Each household is different, and we need your response so we can send you a survey that is right for your household.

- This survey should be filled out by an adult household member living at this address.
- Please use a blue or black pen if available.

1. How many children or youth age 20 or younger live in this household?

 number age 20 or younger

Continue answering questions 2 through 6 for each child or youth living in this household.

Start with the youngest child or youth who is age 20 or younger.

2. What is his or her first name, initials, or nickname?
First names will be used only to ask you questions about the education of a specific child.

Child / Youth 1

First name/initials/nickname

3. What is this child/youth's month and year of birth?

 /

month year of birth

4. What is this child/youth's sex?

☐ Male

☐ Female

5. Is this child/youth currently in
Mark [X] ONE only.

☐ Homeschool instead of attending a public or private school for some or all classes,

☐ Public or private school, or preschool,

☐ College, university or vocational school, or

☐ Not in school?

GO TO child/youth 2

6. What is this child/youth's current grade or equivalent?

☐ Preschool

☐ Kindergarten

write grade 1 through 12

☐ College, university or vocational school

☐ None of these

Child / Youth 2

First name/initials/nickname

 /

month year of birth

☐ Male

☐ Female

☐ Homeschool instead of attending a public or private school for some or all classes,

☐ Public or private school, or preschool,

☐ College, university or vocational school, or

☐ Not in school?

GO TO child/youth 3

☐ Preschool

☐ Kindergarten

write grade 1 through 12

☐ College, university or vocational school

☐ None of these

Child / Youth 3

First name/initials/nickname

 /

month year of birth

☐ Male

☐ Female

☐ Homeschool instead of attending a public or private school for some or all classes,

☐ Public or private school, or preschool,

☐ College, university or vocational school, or

☐ Not in school?

GO TO child/youth 4

☐ Preschool

☐ Kindergarten

write grade 1 through 12

☐ College, university or vocational school

☐ None of these

Child / Youth 4

First name/initials/nickname

 /

month year of birth

☐ Male

☐ Female

☐ Homeschool instead of attending a public or private school for some or all classes,

☐ Public or private school, or preschool,

☐ College, university or vocational school, or

☐ Not in school?

GO TO child/youth 5

☐ Preschool

☐ Kindergarten

write grade 1 through 12

☐ College, university or vocational school

☐ None of these

Child / Youth 5

First name/initials/nickname

 /

month year of birth

☐ Male

☐ Female

☐ Homeschool instead of attending a public or private school for some or all classes,

☐ Public or private school, or preschool,

☐ College, university or vocational school, or

☐ Not in school?

Return Survey.

☐ Preschool

☐ Kindergarten

write grade 1 through 12

☐ College, university or vocational school

☐ None of these

Please verify you have listed the 5 youngest children or youth living in this household in columns 1 through 5 above.

Thank you. Please return this form in the postage-paid envelope provided or mail it to:

U.S. Census Bureau
ATTN: DCB 60-A (0939)
1201 E. 10th Street
Jeffersonville, IN 47132-0001

Toll-free number for questions: 1-888-840-8353

UNITED STATES DEPARTMENT OF COMMERCE
Economics and Statistics Administration
U.S. Census Bureau



National Household Education Survey



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NHES-SCRN(T)
(09/18/2018)

National Household Education Survey

Conducted for:
U.S. Department of Education
National Center for Education Statistics

Start Here

The Department of Education is studying households with children or youth age 20 or younger. Each household is different, and we need your response so we can send you a survey that is right for your household.

- Return this form even if there are no children or youth in this household after marking the correct box in item 1 below.
- This survey should be filled out by an adult household member living at this address.
- Please use a blue or black pen if available.

1. Are there any children or youth age 20 or younger living in this household?

Include small children, foster children, babies, and those living in college housing (if they have no other permanent home).

- ☐ Yes
- ☐ No
- Please stop here and RETURN this survey to us in the enclosed envelope. It is important that we receive a response from every household selected for this study. Thank you for your time.

2. How many children or youth age 20 or younger live in this household?

 number age 20 or younger

- Continue answering questions 3 through 7 for each child or youth living in this household.

Start with the youngest child or youth who is age 20 or younger.

Child / Youth 1

3. What is his or her first name, initials, or nickname?
First names will be used only to ask you questions about the education of a specific child.

First name/initials/nickname

4. What is this child/youth's month and year of birth?

 /
month year of birth

5. What is this child/youth's sex?

- ☐ Male
- ☐ Female

6. Is this child/youth currently in
Mark [X] ONE only.

- ☐ Homeschool instead of attending a public or private school for some or all classes,
- ☐ Public or private school, or preschool,
- ☐ College, university or vocational school, or
- ☐ Not in school?

GO TO child/youth 2

7. What is this child/youth's current grade or equivalent?

- ☐ Preschool
- ☐ Kindergarten

 write grade 1 through 12

- ☐ College, university or vocational school
- ☐ None of these

Child / Youth 2

First name/initials/nickname /
month year of birth

- ☐ Male
- ☐ Female

- ☐ Homeschool instead of attending a public or private school for some or all classes,
- ☐ Public or private school, or preschool,
- ☐ College, university or vocational school, or
- ☐ Not in school?

GO TO child/youth 3

- ☐ Preschool
- ☐ Kindergarten

 write grade 1 through 12

- ☐ College, university or vocational school
- ☐ None of these

Child / Youth 3

First name/initials/nickname /
month year of birth

- ☐ Male
- ☐ Female

- ☐ Homeschool instead of attending a public or private school for some or all classes,
- ☐ Public or private school, or preschool,
- ☐ College, university or vocational school, or
- ☐ Not in school?

GO TO child/youth 4

- ☐ Preschool
- ☐ Kindergarten

 write grade 1 through 12

- ☐ College, university or vocational school
- ☐ None of these

Child / Youth 4

First name/initials/nickname /
month year of birth

- ☐ Male
- ☐ Female

- ☐ Homeschool instead of attending a public or private school for some or all classes,
- ☐ Public or private school, or preschool,
- ☐ College, university or vocational school, or
- ☐ Not in school?

GO TO child/youth 5

- ☐ Preschool
- ☐ Kindergarten

 write grade 1 through 12

- ☐ College, university or vocational school
- ☐ None of these

Child / Youth 5

First name/initials/nickname /
month year of birth

- ☐ Male
- ☐ Female

- ☐ Homeschool instead of attending a public or private school for some or all classes,
- ☐ Public or private school, or preschool,
- ☐ College, university or vocational school, or
- ☐ Not in school?

Return Survey.

- ☐ Preschool
- ☐ Kindergarten

 write grade 1 through 12

- ☐ College, university or vocational school
- ☐ None of these

Please verify you have listed the 5 youngest children or youth living in this household in columns 1 through 5 above.

- Thank you. Please return this form in the postage-paid envelope provided or mail it to:

U.S. Census Bureau
ATTN: DCB 60-A (0939)
1201 E. 10th Street
Jeffersonville, IN 47132-0001

Toll-free number for questions: 1-888-840-8353

DEPARTAMENTO DE COMERCIO DE LOS ESTADOS UNIDOS
Administración de Economía y Estadísticas
Departamento del Censo de los E.E.U.U.



Encuesta Nacional en Hogares sobre Educación



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NHES-SCRN(TS)
(09/25/2018)

Encuesta Nacional en Hogares sobre Educación

Realizado por:
Departamento de Educación de los E.E.U.U.
Centro Nacional para Estadísticas Educativas

Empiece Aquí

El Departamento de Educación está estudiando hogares con niños o jóvenes menores de 20 años de edad. Cada hogar es diferente, y necesitamos su respuesta para poder enviarle la encuesta apropiada para su hogar.

► Devuelva este formulario, aunque no haya niños ni jóvenes en este hogar después de marcar la casilla correcta en la pregunta 1 abajo.

► Un adulto que sea miembro del hogar y que viva en este hogar debe responder a esta encuesta.

► Por favor, de ser posible, use una pluma o bolígrafo de tinta negra o azul.

1. ¿Hay algún niño o joven menor de 20 años viviendo en este hogar?

Incluya niños pequeños, niños en acogimiento, bebés, y aquellos que viven en viviendas en la Universidad (si no tiene otra vivienda permanente).

☐ Sí

☐ No

Pare aquí por favor y DEVUELVA esta encuesta en el sobre adjunto. Es importante que recibamos una respuesta de cada hogar escogida para este estudio. Gracias por su tiempo.

2. ¿Cuántos niños o jóvenes menores de 20 años de edad viven es este hogar?

Cantidad de personas menores de 20 años

► Siga respondiendo a las preguntas 3 al 7 para cada niño o joven que vive en este hogar.

► Empiece con el más joven de los niños que sea menor de 20 años.

3. ¿Cuál es el primer nombre, los iniciales o el apodo de él o ella?
El primer nombre se usará solamente para hacerle preguntas sobre la educación de este niño específicamente.

4. ¿En qué mes y año nació él o ella?

5. ¿De qué sexo es este niño?

6. Actualmente ¿Este niño
Marque con [X] UNA casilla solamente.

7. Actualmente, ¿en qué grado o equivalencia de grado está este niño?

Niño / Joven 1

Primer nombre / iniciales / apodo

mes / año de nacimiento

Masculino

Femenino

☐ Recibe la educación en el hogar (homeschooled) en vez de asistir a una escuela pública o privada para algunas o todas sus clases,

☐ Está en un escuela pública o privada o en preescolar,

☐ Está en una universidad o escuela vocional, o

☐ No está en una escuela?

VAYA AL niño/joven 2

Preescolar

Kindergarten

Anote el grado del 1 al 12

Universidad o escuela vocional

Ninguno de estos

Niño / Joven 2

Primer nombre / iniciales / apodo

mes / año de nacimiento

Masculino

Femenino

☐ Recibe la educación en el hogar (homeschooled) en vez de asistir a una escuela pública o privada para algunas o todas sus clases,

☐ Está en un escuela pública o privada o en preescolar,

☐ Está en una universidad o escuela vocional, o

☐ No está en una escuela?

VAYA AL niño/joven 3

Preescolar

Kindergarten

Anote el grado del 1 al 12

Universidad o escuela vocional

Ninguno de estos

Niño / Joven 3

Primer nombre / iniciales / apodo

mes / año de nacimiento

Masculino

Femenino

☐ Recibe la educación en el hogar (homeschooled) en vez de asistir a una escuela pública o privada para algunas o todas sus clases,

☐ Está en un escuela pública o privada o en preescolar,

☐ Está en una universidad o escuela vocional, o

☐ No está en una escuela?

VAYA AL niño/joven 4

Preescolar

Kindergarten

Anote el grado del 1 al 12

Universidad o escuela vocional

Ninguno de estos

Niño / Joven 4

Primer nombre / iniciales / apodo

mes / año de nacimiento

Masculino

Femenino

☐ Recibe la educación en el hogar (homeschooled) en vez de asistir a una escuela pública o privada para algunas o todas sus clases,

☐ Está en un escuela pública o privada o en preescolar,

☐ Está en una universidad o escuela vocional, o

☐ No está en una escuela?

VAYA AL niño/joven 5

Preescolar

Kindergarten

Anote el grado del 1 al 12

Universidad o escuela vocional

Ninguno de estos

Niño / Joven 5

Primer nombre / iniciales / apodo

mes / año de nacimiento

Masculino

Femenino

☐ Recibe la educación en el hogar (homeschooled) en vez de asistir a una escuela pública o privada para algunas o todas sus clases,

☐ Está en un escuela pública o privada o en preescolar,

☐ Está en una universidad o escuela vocional, o

☐ No está en una escuela?

Devuelva la encuesta.

Preescolar

Kindergarten

Anote el grado del 1 al 12

Universidad o escuela vocional

Ninguno de estos

► Verifique por favor que haya anotado en las columnas del 1 a 5 arriba a los 5 niños más jóvenes que viven en este hogar.

► Muchas gracias. Por favor devuelva este formulario en el sobre estampillado incluido o envíelo por correo al:

**U.S. Census Bureau
ATTN: DCB 60-A (0939)
1201 E. 10th Street
Jeffersonville, IN 47132-0001**

Para cualquier pregunta llame gratis al: 1-888-840-8353

Appendix D. Additional Analyses

In any experiment that uses a predictive model to target data collection protocols, the first measure of success is whether the model accurately predicted the characteristic used to determine the assigned protocol. This appendix presents findings related to the model-based classifications that were used to target data collection protocols for the NHES:2019 modeled-mode and FedEx timing experiments.

D.1. Accuracy of Paper-Sensitivity Classification Used in Modeled-Mode Experiment

As discussed in chapter 2, a predictive model was used to classify all sampled cases as either paper-sensitive (the 15 percent of cases with the highest paper-sensitivity scores—that is, those cases with a larger difference in their screener-phase response propensity between web-push and paper-only protocols) or non-paper-sensitive (the 85 percent of cases with the lowest paper-sensitivity scores—that is, those cases with a smaller difference in their screener-phase response propensity between web-push and paper-only protocols).

Two measures were calculated to assess how accurately the model identified paper-sensitive cases: (1) actual paper sensitivity and (2) the random-equivalent response rate.

D.1.1. Actual Paper Sensitivity

In the case of the modeled-mode experiment, a critical question is whether the positive effect of the paper-only protocol on the screener response rate, relative to the web-push protocol, was larger in the paper-sensitive group than in the non-paper-sensitive group.

Table D.1 shows this “actual paper sensitivity” within the paper-sensitive and non-paper-sensitive cohorts. Actual paper sensitivity is calculated as the paper-only screener response rate minus the web-push screener response rate. If the model identified paper-sensitive cases accurately, then the difference between the paper-only and web-push response rates should be larger among paper-sensitive cases than among non-sensitive ones. To calculate this difference, we used data from the modeled-mode condition whenever possible and supplemented that with data from other conditions as needed to incorporate outcomes from the other mode protocol. More specifically:

- **For paper-sensitive cases:** Paper-sensitive cases received a paper-only protocol in the modeled-mode condition. Therefore, actual paper sensitivity was calculated as the modeled-mode condition response rate minus the baseline web-push condition response rate (column 3 minus column 1 of table D.1).
- **For non-paper-sensitive cases:** Non-paper-sensitive cases received a web-push protocol in the modeled-mode condition. Therefore, actual paper sensitivity was calculated as the random paper-only condition response rate minus the modeled-mode condition response rate (column 5 minus column 3 in table D.1).

Table D.1 shows the actual paper sensitivity for both the early (that is, before paper questionnaires were sent to households) and final screener response rates. The effect of the mode sequence on the early screener response rate is the most direct measure of the model’s predictive accuracy because the sensitivity model used response to the first two screener packages as the dependent variable. However,

the effect on the final screener response rate is also of interest because it determines the impact of the modeled-mode condition, as a whole, on response outcomes.

Among paper-sensitive cases, the paper-only protocol resulted in a higher early screener response rate than the web-push protocol (by 24 percentage points). Among non-paper-sensitive cases, the early screener response rate was also higher for the paper-only protocol than for the web-push protocol—but by only 13 percentage points instead of 24. This difference in actual paper sensitivity between paper-sensitive and non-paper-sensitive cases was statistically significant. This suggests that the model did successfully identify a group of cases whose response to the early mailings was more sensitive than average to the mode of response in those mailings. Since these were the mailings at which only web response was requested within the web-push protocol, this suggests that cases within the paper-sensitive cohort were, in fact, more likely than average to prefer responding by paper.

Ultimately, however, the difference in the *final* screener response rate between the paper-only and web-push protocols was similar for paper-sensitive cases and non-paper-sensitive cases. By the end of the screener phase, the screener response rate was 7 percentage points higher in the paper-only condition than in the web-push condition among paper-sensitive cases and 5 percentage points higher among non-paper-sensitive cases. This difference in actual paper sensitivity was not statistically significant. This suggests that the model was not successful at identifying a group of cases whose final response status was more sensitive than average to the *sequence* of modes over all mailings.

In summary, the use of paper-only mailings had a larger effect on the early response rate within the paper-sensitive cohort than the non-paper-sensitive cohort—but approximately the same effect on the final response rate within both cohorts.

D.1.2. Random-Equivalent Response Rate

An additional question of interest is whether the response rate achieved through targeted use of a paper-only protocol is any higher than what would have been achieved by sending a paper-only protocol to a random 15 percent of the sample. Using a paper-only protocol for a random portion of the sample would increase the screener response rate compared to using web-push for all cases; for the model-based approach to be worthwhile, the screener response rate in the modeled-mode condition should be higher than the response rate that could have been achieved by simply using paper-only for a random portion of the sample.

To address this question, we calculated the random-equivalent response rate—that is, the response rate that would have been achieved if the paper-only protocol had been used for a *random* 15 percent of the sample instead of the 15 percent with the highest paper-sensitivity scores. The random-equivalent response rate is calculated as a weighted average of the baseline web-push response rate for all cases (column 1 of table D.1, weighted at 85 percent) and the random paper-only condition response rate for all cases (column 5 of table D.1, weighted at 15 percent). More specifically, it is calculated as:

$$r_e = 0.15r_p + 0.85$$

where r_p is the response rate within the random paper-only condition and r_w is the response rate within the baseline web-push condition. If the modeled-mode condition response rate is higher than this

random-equivalent response rate, then the model-based paper-sensitivity classification can be considered successful.

As shown in columns 3 and 9 of table D.1, the early screener response rate in the modeled-mode condition was significantly higher than the random-equivalent early response rate (42 percent and 40 percent, respectively). While the modeled-mode final screener response was still significantly higher than the random equivalent final screener response rate, the magnitude of the difference was very small (less than 1 percentage point). These results again suggest that the model was successful at predicting paper sensitivity to the early mailings, but this approach did not ultimately identify cases with high paper sensitivity by the end of the screener field period.

Table D.1. NHES:2019 early and final screener response rates, by experimental condition, measure, and paper-sensitivity classification

Measure and paper-sensitivity classification	Experimental condition						Actual paper sensitivity ¹		Random-equivalent response rate ²	
	Baseline web-push condition		Modeled-mode condition		Random paper-only condition					
	Estimate	Standard error	Estimate	Standard error	Estimate	Standard error	Estimate	Standard error	Estimate	Standard error
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Early screener response rate ³										
All cases	37.7	0.26 *	41.7	0.28	52.2	0.84 *			39.9	0.24 *
Paper-sensitive cases	44.8	0.72 *	69.0	0.73	66.7	2.20	24.2	1.02 ⁴		
Non-paper-sensitive cases	36.4	0.27	36.5	0.27	49.5	0.86 *	13.0	0.91		
Final screener response rate ⁵										
All cases	58.9	0.26 *	60.4	0.29	64.3	0.82 *			59.7	0.24 *
Paper-sensitive cases	73.0	0.59 *	80.0	0.64	78.3	1.89	7.0	0.89		
Non-paper-sensitive cases	56.2	0.27	56.7	0.30	61.7	0.92 *	5.0	0.96		

* $p < .05$.

¹Actual paper sensitivity refers to the effect of the paper-only protocol on the response rate, relative to the web-push protocol. For the paper-sensitive cohort, it is equal to the response rate in the modeled-mode condition minus the response rate in the baseline web-push condition (column 3 minus column 1). For the non-paper-sensitive cohort, it is equal to the response rate in the random paper-only condition minus the response rate in the modeled-mode condition (column 5 minus column 3).

²Represents an estimate of the response rate that would have been obtained by using the paper-only protocol for a randomly selected 15 percent of the sample, rather than (as in the modeled-mode treatment) the 15 percent with the highest paper-sensitivity scores.

³Represents the response rate after the first two screener packages. In the web-push protocol, web was the only offered mode of response in the first two packages

⁴The actual paper sensitivity between the paper-sensitive and non-paper-sensitive cases differs with $p < .05$.

⁵Represents the response rate after all four screener packages.

NOTE: NHES is National Household Education Surveys Program. Response rates are base-weighted and are calculated using the American Association for Public Opinion Research Response Rate 1. Response rates are restricted to the applicable treatment group and therefore do not match official NHES:2019 response rates. Sample size is 36,700 for the baseline web-push treatment (5,700 paper-sensitive, 31,000 non-paper-sensitive); 32,970 for the modeled-mode treatment (5,140 paper-sensitive, 27,830 non-paper-sensitive); and 3,680 for the random paper-only group (570 paper-sensitive, 3,110 non-paper-sensitive).

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Household Education Surveys Program (NHES), 2019.

D.2. Accuracy of the FedEx-Priority Classification

As discussed in chapter 3, a predictive model was used to classify all sampled cases as either FedEx-low-priority (the 30 percent of cases with the highest cost-weighted response propensity scores—that is, those cases assumed to need less prompting by FedEx) or FedEx-high-priority (the 70 percent of cases with the lowest cost-weighted response propensity scores—that is, those cases expected to have lower response propensities and/or lower FedEx costs who would benefit from earlier FedEx mailing).

Two measures were calculated to assess how accurately the model identified cases by their FedEx-priority: (1) actual FedEx-priority and (2) the random-equivalent response rate.

D.2.1 Actual FedEx-Priority

In this section we assess how well the modeling approach identified FedEx-high-priority and FedEx-low-priority cases. In the case of the FedEx timing experiment, the question is whether the cost-weighted response propensity scores accurately identified a subset of cases for which it is reasonable to delay sending the FedEx mailing. Was the effect of FedEx timing on screener response smaller in the FedEx-low-priority group than in the FedEx-high-priority group?

Table D.2 shows this “actual FedEx-priority” within the FedEx-high-priority and FedEx-low-priority cases. Actual FedEx-priority is calculated as the final screener response rate in the modeled FedEx condition minus the random FedEx 4th condition. In the modeled FedEx condition, FedEx-high-priority cases received FedEx 2nd while FedEx-low-priority cases received FedEx 4th. If the model identified FedEx-priority cases accurately, then the difference between the modeled FedEx condition and the random fourth condition will be smaller for the FedEx-low-priority cases (compared to the FedEx-high-priority cases).

The results in table D.2 shows that using FedEx earlier for FedEx-high-priority cases increased the final screener response rate by about 2 percentage points, while delaying FedEx for FedEx-low-priority cases did not decrease their final screener response rate. This result shows that the model was able to identify cases that were FedEx-low-priority and that delaying FedEx for those cases did not reduce their screener response rate. By design, the FedEx-high-priority group had a lower screener response rate than the FedEx-low-priority group; hence, using FedEx earlier for this group helped reduce this difference slightly.

D.2.2 Random-Equivalent Response Rate

Similar to the discussion in D.1., another question of interest is whether FedEx could be delayed for a random 30 percent of the sample (instead of using a model) and similar response rates could be achieved. That is, if it is not possible to send FedEx 2nd to all cases, could this costly mailing be delayed for a random subsample? We calculated the random-equivalent response rate—that is, the response rate that would have been achieved if the FedEx was sent 4th for a *random* 30 percent of the sample instead of the 30 percent with the lowest cost-weighted response propensity). It is calculated as a weighted average of the random FedEx 2nd response rate for all cases (column 1 of table D.2, weighted at 70 percent) and the random FedEx 4th response rate for all cases (column 5 of table D.2., weighted at 30 percent). As shown in table D.2, the screener response rate in the modeled FedEx condition was not significantly different than the random-equivalent response rate. These results are not surprising when considering that the final screener response rate for the random FedEx second and the overall modeled FedEx conditions

were also not statistically significantly different. Hence, while the model may have been successful in identifying FedEx-low-priority cases, for whom to delay FedEx, the overall impact on the final response rate is not ultimately different than a random equivalent when calculated across the whole sample.

Table D.2. NHES:2019 final screener response rates, by experimental condition, and FedEx-priority classification

FedEx classification	Experimental condition								Actual FedEx priority ¹		Random-equivalent response rate ²	
	Random FedEx 2 nd		Random FedEx 3 rd		Random FedEx 4 th		Modeled FedEx					
	Estimate	Standard error	Estimate	Standard error	Estimate	Standard error	Estimate	Standard error	Estimate	Standard error	Estimate	Standard error
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
All cases	58.38	0.38	58.92	0.26	57.40	0.29	58.34	0.35			58.09	0.29
FedEx-high-priority cases	50.54	0.42	50.31	0.35	48.81	0.37	50.45	0.46	1.64	0.54 *		
FedEx-low-priority cases	72.95	0.60	74.95	0.37	73.32	0.49	73.02	0.54	-0.30	0.71		

* $p < .05$.

¹ Actual FedEx-priority is calculated as the difference in the screener response rate in the modeled FedEx condition and the random FedEx 4th condition (column 7 minus column 5).

² Represents an estimate of the response rate that would have been obtained by delaying FedEx up to the 4th mailing for a randomly selected 30 percent of the sample, rather than (as in the modeled FedEx treatment) the 30 percent with the lowest FedEx priority score.

NOTE: NHES is Early Household Education Surveys Program. Response rates are base-weighted and are calculated using the American Association for Public Opinion Research Response Rate 1. Response rates are restricted to the applicable treatment group and therefore do not match official NHES:2019 response rates. Sample size is 21,130 for the random FedEx 2nd group (6,660 FedEx-high-priority, 14,470 FedEx-low-priority); 36,450 for the random FedEx 3rd group (6,660 FedEx-high-priority, 14,470 FedEx-low-priority); 21,200 for the random FedEx 4th group (6,700 FedEx-high-priority, 14,510 FedEx-low-priority) and 21,150 for the modeled FedEx group (6,680 FedEx-high-priority, 14,470 FedEx-low-priority).

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Household Education Surveys Program (NHES), 2019.

Appendix E. Tables

Table 2.1.1. Screener response rate, by experimental condition and response mode: 2019

Response mode	Screener response rate (percentage)				<i>t</i> statistic					
	Choice-plus		Baseline web-push	Random paper-only	Choice-plus \$10 vs. choice-plus \$20	Choice-plus \$10 vs. baseline web-push	Choice-plus \$10 vs. random paper-only	Choice-plus \$20 vs. baseline web-push	Choice-plus \$20 vs. random paper-only	
	\$10 promised incentive	\$20 promised incentive								
Overall	64.73	66.02	58.90	64.32	-1.78	16.07 *	0.46	10.86 *	1.71	
Web	31.53	35.43	34.89	†	-5.26 *	-8.04 *	†	0.69	†	
Paper	29.37	26.41	19.70	63.60	4.16 *	25.22 *	-39.11 *	10.00 *	-38.05 *	
Inbound telephone	3.84	4.18	4.32	0.71	-1.14	-2.84 *	16.85 *	-0.43	10.81 *	

† Not applicable.

* $p < .05$.

NOTE: Response rates were calculated using American Association for Public Opinion Research (AAPOR) Response Rate 1 (RR1). Percentages represent the proportion of sampled households (excluding undeliverable and out-of-scope addresses) that were respondents to the screener questionnaire. Unweighted eligible sample size was 22,040 for the \$10 choice-plus condition, 5,530 for the \$20 choice-plus condition, 36,700 for the baseline web-push condition, and 3,680 for the random paper-only condition. Sample sizes have been rounded to the nearest 10. Detail may not sum to totals because of rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Household Education Surveys Program (NHES), 2019.

Table 2.1.2. Percentage point gain in screener response rate, by experimental condition, response timing, and response mode: 2019

Response timing and mode	Percentage point gain				<i>t</i> statistic					
	Choice-plus		Baseline web-push	Random paper-only	Choice-plus \$10 vs. choice- plus \$20	Choice-plus \$10 vs. baseline web-push	Choice-plus \$10 vs. random paper-only	Choice-plus \$20 vs. baseline web-push	Choice-plus \$20 vs. random paper-only	
	\$10 promised incentive	\$20 promised incentive								
Early mailings ¹										
Overall	53.11	54.68	37.73	52.22	-2.07 *	40.66 *	0.97	23.29 *	2.36 *	
Web	26.89	30.23	34.08	†	-4.96 *	-18.86 *	†	-5.41 *	†	
Paper ²	23.22	21.20	0.06	51.90	2.99 *	76.45 *	-32.30 *	36.17 *	-30.91 *	
Inbound telephone	3.00	3.25	3.59	0.32	-0.90	-3.70 *	19.44 *	-1.21	10.75 *	
Late mailings ³										
Overall	11.62	11.34	21.17	12.10	0.56	-35.63 *	-0.74	-19.56 *	-1.07	
Web	4.64	5.20	0.80	†	-1.54	25.09 *	†	12.91 *	†	
Paper	6.15	5.20	19.64	11.70	2.76 *	-51.39 *	-9.26 *	-38.23 *	-10.17 *	
Inbound telephone	0.84	0.94	0.73	0.40	-0.65	1.39	3.64	1.45	3.14 *	

† Not applicable.

**p* < .05.

¹The early mailings are the initial screener package, pressure-sealed envelope (in the choice-plus conditions)/reminder postcard (in the baseline web-push or random paper-only conditions), and the second screener package.

²Within the web-push conditions, sample members could receive a paper questionnaire prior to the third screener package by calling the Census Bureau and requesting one.

³The late mailings are the third screener package and fourth screener package.

NOTE: Response rates were calculated using American Association for Public Opinion Research (AAPOR) Response Rate 1 (RR1). Percentages represent the proportion of eligible sampled households (excluding undeliverable and out-of-scope addresses) that completed the screener after the specified mailing. Sample members were considered to have responded to the early mailings if their screener response was received no more than two days after the third screener package was mailed; sample members were considered to have responded to the late mailings if their screener response was received three or more days after the third screener package was sent. Unweighted eligible sample size was 22,040 for the \$10 choice-plus condition, 5,530 for the \$20 choice-plus condition, 36,700 for the baseline web-push condition, and 3,680 for the random paper-only condition. Sample sizes have been rounded to the nearest 10. Detail may not sum to totals because of rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Household Education Surveys Program (NHES), 2019.

Table 2.1.3. Screener response rate, by experimental condition and selected household characteristics: 2019

Selected household characteristics ¹	Number of eligible households included in response rate calculation	Screener response rate (percentage)				<i>t</i> statistic				
		Choice-plus		Baseline web-push	Random paper-only	Choice-plus \$10 vs. choice-plus \$20	Choice-plus \$10 vs. baseline web-push	Choice-plus \$10 vs. random paper-only	Choice-plus \$20 vs. baseline web-push	Choice-plus \$20 vs. random paper-only
		\$10 promised incentive	\$20 promised incentive							
Gender of head of household										
Male	22,950	67.85	69.71	62.30	68.61	-1.73	8.75 *	-0.55	6.96 *	0.64
Female	20,130	67.25	66.43	60.57	66.33	0.62	8.97 *	0.60	4.80 *	0.06
Missing	24,860	59.75	62.24	54.31	58.37	-1.83	8.41 *	0.96	6.26 *	2.19 *
Age of head of household										
18-34	5,910	59.52	61.30	51.64	57.01	-0.62	5.02 *	0.78	3.68 *	1.02
35-44	8,130	59.45	61.55	52.27	59.48	-1.03	6.65 *	-0.01	4.87 *	0.68
45-54	9,860	64.54	64.40	59.32	62.33	0.08	4.70 *	0.87	2.75 *	0.73
55-65	11,800	74.43	74.24	69.08	73.60	0.13	5.40 *	0.41	3.26 *	0.26
Over 65	13,250	79.81	81.92	76.19	81.48	-1.84	4.30 *	-1.08	5.61 *	0.27
Missing	19,000	51.25	53.91	44.70	50.94	-1.53	8.72 *	0.17	6.15 *	1.54
Marital status of head of household										
Single	22,380	60.38	60.92	53.43	61.68	-0.40	9.10 *	-0.80	5.88 *	-0.37
Married	34,510	71.01	72.43	66.30	69.69	-1.45	9.29 *	1.11	6.46 *	2.15 *
Missing	11,050	52.52	55.27	45.80	51.94	-1.51	6.52 *	0.24	5.67 *	1.30
Race/ethnicity of head of household										
White	32,910	71.87	73.49	66.79	71.45	-1.76	10.14 *	0.37	7.29 *	1.49
Black	7,500	55.68	57.50	46.56	51.59	-0.84	6.58 *	1.56	6.15 *	2.01 *
Hispanic	8,010	51.96	51.94	46.34	53.66	0.01	4.64 *	-0.55	2.96 *	-0.54
Asian/Pacific Islander or Other	2,720	65.69	61.15	58.09	64.28	1.24	3.62 *	0.32	0.87	-0.67
Missing	16,810	57.97	59.88	52.09	57.63	-1.19	7.55 *	0.18	5.58 *	1.05
Highest education level of head of household										
Less than high school diploma	7,310	53.96	51.76	48.36	57.97	0.94	4.21 *	-1.55	1.57	-1.89
High school diploma	15,080	67.84	69.15	60.79	65.55	-0.87	7.94 *	1.25	6.04 *	1.69
Some college	14,470	65.47	66.32	58.73	64.36	-0.65	8.47 *	0.59	5.36 *	1.00
Bachelor's degree	9,710	72.61	77.18	67.06	71.42	-2.58 *	5.47 *	0.54	5.91 *	2.38 *
Graduate degree	6,010	73.73	71.37	71.81	73.17	0.93	1.57	0.22	-0.19	-0.55
Missing	15,370	56.82	59.32	50.90	57.22	-1.45	6.96 *	-0.21	5.68 *	0.99

See notes at end of table.

Table 2.1.3. Screener response rate, by experimental condition and selected household characteristics: 2019–Continued

Selected household characteristics ¹	Number of eligible households included in response rate calculation	Screener response rate (percentage)				<i>t</i> statistic				
		Choice-plus		Baseline web-push	Random paper-only	Choice-plus \$10 vs. choice-plus \$20	Choice-plus \$10 vs. baseline web-push	Choice-plus \$10 vs. random paper-only	Choice-plus \$20 vs. baseline web-push	Choice-plus \$20 vs. random paper-only
		\$10 promised incentive	\$20 promised incentive							
Household income										
Less than \$25,000	10,970	59.18	62.14	51.64	59.62	-1.48	7.44 *	-0.20	6.29 *	0.90
\$25,000-\$49,999	14,530	65.98	64.78	58.79	64.74	0.78	9.00 *	0.64	3.65 *	0.01
\$50,000-\$74,999	9,770	67.29	70.17	63.59	65.70	-1.54	3.42 *	0.65	4.04 *	1.60
\$75,000-\$99,999	8,150	71.24	71.03	65.54	69.39	0.11	4.53 *	0.67	2.71 *	0.56
\$100,000-\$149,999	8,370	68.70	67.41	62.91	67.09	0.65	5.86 *	0.70	2.22 *	0.10
\$150,000 or more	6,500	71.53	76.12	69.21	74.25	-2.00 *	2.08 *	-1.13	3.07 *	0.63
Missing	9,660	51.90	54.98	45.42	52.44	-1.39	6.38 *	-0.23	4.72 *	1.01
Home tenure										
Own	43,760	71.57	72.03	66.55	70.55	-0.53	11.00 *	0.94	6.31 *	1.37
Rent	14,050	52.99	56.04	45.26	53.05	-1.74	7.73 *	-0.03	6.90 *	1.09
Missing	10,140	49.24	52.22	42.33	51.08	-1.40	6.39 *	-0.69	5.40 *	0.40
Number of adults in household										
1	32,560	60.53	61.72	54.01	60.59	-1.18	11.23 *	-0.04	8.28 *	0.67
2	18,830	74.21	75.72	69.68	71.73	-1.23	5.98 *	1.57	5.25 *	2.34 *
3	5,240	74.60	73.53	70.60	77.81	0.52	3.14 *	-1.12	1.42	-1.35
4 or more	1,730	74.13	72.09	69.04	72.48	0.52	2.43 *	0.36	0.79	-0.07
Missing	9,580	51.74	54.99	45.34	52.57	-1.49	6.35 *	-0.36	4.78 *	0.97
Household flagged as having children										
Yes	13,190	65.28	66.81	59.90	64.33	-0.92	6.63 *	0.54	4.51 *	1.12
No	54,760	64.60	65.82	58.66	64.32	-1.43	14.45 *	0.31	9.92 *	1.39
Ability to match address to phone number										
Phone number available	45,660	68.82	69.75	63.21	69.47	-1.07	11.89 *	-0.56	8.28 *	0.23
No phone number available	22,290	56.25	57.75	49.99	52.74	-1.15	9.39 *	2.08 *	6.87 *	2.76 *
Route type										
Street	52,140	67.66	68.91	62.24	67.34	-1.57	12.89 *	0.30	9.40 *	1.42
P.O. box	490	61.05	‡	56.65	‡	†	0.81	†	†	†
Rural route	30	‡	‡	‡	‡	†	†	†	†	†
High rise	15,290	54.33	55.91	47.02	53.55	-1.07	9.26 *	0.42	6.57 *	1.15

See notes at end of table.

Table 2.1.3. Screener response rate, by experimental condition and selected household characteristics: 2019–Continued

Selected household characteristics ¹	Number of eligible households included in response rate calculation	Screener response rate (percentage)				<i>t</i> statistic					
		Choice-plus		Baseline web-push	Random paper-only	Choice-plus \$10 vs. choice-plus \$20	Choice-plus \$10 vs. baseline web-push	Choice-plus \$10 vs. random paper-only	Choice-plus \$20 vs. baseline web-push	Choice-plus \$20 vs. random paper-only	
		\$10 promised incentive	\$20 promised incentive								
Dwelling type											
Single unit	50,650	68.22	69.36	62.86	68.04	-1.46	12.46 *	0.16	9.32 *	1.19	
Multi-unit	16,810	53.70	55.52	46.38	52.37	-1.20	9.41 *	0.75	6.64 *	1.61	
Missing	490	61.05	‡	56.65	‡	†	0.81	†	†	†	
Vacancy status											
Flagged as vacant	810	51.11	49.01	45.33	56.73	0.31	1.39	-0.73	0.56	-0.84	
Not flagged as vacant	67,140	64.89	66.20	59.06	64.40	-1.85	16.16 *	0.53	10.97 *	1.81	
Seasonal address type											
Seasonal or educational seasonal delivery	420	76.69	73.73	75.49	‡	0.39	0.28	†	-0.24	†	
No seasonal delivery	67,530	64.66	65.96	58.79	64.18	-1.80	16.17 *	0.52	10.92 *	1.76	
Drop point address type											
Drop point	1,060	51.46	58.28	46.02	54.45	-1.04	1.60	-0.38	1.95	0.41	
Not a drop point	66,890	64.93	66.15	59.09	64.47	-1.69	15.91 *	0.49	10.96 *	1.67	
Census region											
Northeast	11,670	64.50	66.02	60.15	66.75	-0.80	4.54 *	-1.10	3.41 *	-0.31	
South	27,240	62.45	62.29	55.28	61.17	0.14	11.40 *	0.94	6.62 *	0.70	
Midwest	14,010	69.79	72.33	64.10	69.56	-1.62	6.69 *	0.13	5.43 *	1.28	
West	15,030	63.84	66.18	59.05	62.78	-1.52	5.47 *	0.62	4.78 *	1.61	
Race/ethnicity stratum											
25% or more Black	12,970	53.44	52.95	45.30	53.10	0.25	8.40 *	0.18	4.22 *	-0.06	
40% or more Hispanic	10,190	50.41	51.64	44.87	51.72	-0.65	4.48 *	-0.50	3.72 *	-0.03	
Other	44,780	68.83	70.48	63.42	68.13	-1.97	11.71 *	0.70	9.03 *	1.99	
Tract poverty rate											
20 percent or higher	19,600	54.37	55.28	45.80	54.83	-0.52	11.73 *	-0.26	6.10 *	0.20	
Below 20 percent	48,350	68.14	69.55	63.25	67.42	-1.95	11.97 *	0.68	8.89 *	1.79	
Extent of missing frame information ²											
High	12,830	53.52	56.97	47.50	53.59	-1.80	6.58 *	-0.03	5.58 *	1.47	
Medium	22,530	61.56	62.81	56.29	60.31	-0.95	7.54 *	0.81	5.43 *	1.41	
Low	32,590	71.15	71.73	65.08	70.91	-0.63	10.61 *	0.22	7.26 *	0.63	

See notes at end of table.

Table 2.1.3. Screener response rate, by experimental condition and selected household characteristics: 2019–Continued

Selected household characteristics ¹	Number of eligible households included in response rate calculation	Screener response rate (percentage)				<i>t</i> statistic				
		Choice-plus		Baseline web-push	Random paper-only	Choice-plus \$10 vs. choice-plus \$20	Choice-plus \$10 vs. baseline web-push	Choice-plus \$10 vs. random paper-only	Choice-plus \$20 vs. baseline web-push	Choice-plus \$20 vs. random paper-only
		\$10 promised incentive	\$20 promised incentive							
Census Low Response Score ³										
First quartile (low)	17,770	74.36	77.00	70.35	72.70	-2.32 *	6.68 *	1.14	6.42 *	2.72 *
Second quartile	17,230	68.37	67.60	63.21	69.51	0.53	6.41 *	-0.60	3.69 *	-0.87
Third quartile	16,730	61.18	62.12	54.01	59.60	-0.77	8.07 *	1.05	6.76 *	1.49
Fourth quartile (high)	15,850	49.40	52.61	41.68	49.93	-1.82	9.56 *	-0.25	6.57 *	1.21
Percent of persons in block group without a high school diploma ⁴										
First quartile (low)	17,440	70.61	72.04	66.44	71.33	-1.07	5.73 *	-0.44	4.14 *	0.35
Second quartile	17,150	68.60	68.77	63.60	67.72	-0.13	6.82 *	0.57	4.45 *	0.64
Third quartile	16,740	63.36	64.78	56.58	60.34	-1.01	7.60 *	1.87	5.95 *	2.26 *
Fourth quartile (high)	16,590	53.15	55.26	45.34	54.39	-1.37	8.60 *	-0.62	6.95 *	0.45
Percent of persons in block group who are Black ⁴										
First quartile (low)	17,290	69.27	71.91	63.32	70.53	-2.02 *	7.82 *	-0.80	7.07 *	0.71
Second quartile	17,200	67.64	69.59	64.38	68.39	-1.45	4.40 *	-0.44	3.74 *	0.62
Third quartile	17,140	64.80	65.05	57.67	60.89	-0.19	9.19 *	2.18 *	5.18 *	1.98
Fourth quartile (high)	16,300	54.49	54.31	47.21	54.82	0.11	8.17 *	-0.18	4.32 *	-0.22
Percent of persons in block group speaking a non-English language ⁴										
First quartile (low)	16,820	69.18	68.48	62.45	68.65	0.47	8.09 *	0.36	4.48 *	-0.11
Second quartile	17,000	68.89	70.46	64.00	67.36	-1.12	5.85 *	0.81	4.94 *	1.56
Third quartile	17,070	64.30	65.99	58.75	63.82	-1.07	6.91 *	0.30	4.94 *	1.00
Fourth quartile (high)	17,030	54.64	57.19	48.35	55.67	-1.63	6.89 *	-0.53	5.52 *	0.73
Bilingual screener package mailed ⁵										
Yes	49,920	62.34	64.30	56.43	61.96	-2.35 *	13.00 *	0.34	9.74 *	2.03 *
No	18,030	70.72	70.24	65.22	69.69	0.35	7.76 *	0.63	3.74 *	0.28
Paper-sensitivity classification ⁶										
Paper-sensitive	10,550	77.56	78.14	73.00	78.29	-0.37	4.40 *	-0.35	3.54 *	-0.06
Not paper-sensitive	57,400	62.29	63.72	56.23	61.68	-1.76	14.74 *	0.61	9.60 *	1.85

† Not applicable.

‡ Reporting standards not met. Either there are too few cases for a reliable estimate or the coefficient of variation (CV) is 50 percent or greater.

**p* < .05.

¹Unless indicated otherwise, the selected characteristics are based on available frame variables.

²Extent of missing frame information was determined based on the number of variables for which the address was missing information on the frame. This analysis is limited to variables for which there is an explicit missing category (as opposed to variables for which a lack of data implies either a lack of the tract in question or that the information is missing). “High missing” cases are cases missing information for 4 or more frame variables, “medium missing” cases are cases missing information for 1 to 3 frame variables, and “low missing” cases are those that were not missing information for any of the frame variables.

³The Census Low Response Score is a derived variable that identifies block groups with characteristics associated with low mail return rates to the 2010 Decennial Census. A higher low response score corresponds to a lower expected mail return rate. This variable was not available for a very small number of cases, and these cases have been excluded from this analysis. Cases that are in the first quartile are those that were expected to be the most likely to participate and those that are in the fourth quartile are those that were expected to be the least likely to participate.

⁴Percentages are based on block-level American Community Survey data (2013-2017). Cases in the first quartile were those with the lowest prevalence of the characteristic in question and those that are in the fourth quartile are those with the highest prevalence.

⁵Variable is from the NHES:2019 data collection operation files.

⁶A predictive model was used to classify cases into two groups: (1) paper-sensitive cases, which are the most likely to prefer to respond by paper (15 percent of cases) and (2) non-paper-sensitive cases, which do not have as much of a preference to respond by paper (85 percent of cases).

NOTE: Response rates were calculated using American Association for Public Opinion Research (AAPOR) Response Rate 1 (RR1). Percentages represent the proportion of sampled households (excluding undeliverable and out-of-scope addresses) that were respondents to the questionnaire. Unweighted eligible sample size was 22,040 for the \$10 choice-plus condition, 5,530 for the \$20 choice-plus condition, 36,700 for the baseline web-push condition, and 3,680 for the random paper-only condition. Sample sizes have been rounded to the nearest 10. Detail may not sum to totals because of rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Household Education Surveys Program (NHES), 2019. U.S. Census Bureau, American Community Survey (ACS), 2013-2017.

Table 2.1.4. Percentage of screener respondents who reported at least one child eligible for the topical surveys, by experimental condition and questionnaire: 2019

Questionnaire	Percentage reporting at least one eligible child				<i>t</i> statistic				
	Choice-plus		Baseline web-push Random paper-only		Choice-plus \$10 vs. choice-plus \$20	Choice-plus \$10 vs. baseline web-push	Choice-plus \$10 vs. random paper-only	Choice-plus \$20 vs. baseline web-push	Choice-plus \$20 vs. random paper-only
	\$10 promised incentive	\$20 promised incentive							
Overall	26.23	26.25	25.40	23.83	-0.03	1.72	2.82 *	1.09	2.13 *
ECPP	9.38	9.22	9.15	8.11	0.28	0.75	2.25 *	0.17	1.47
PFI	21.43	21.71	20.91	20.07	-0.38	1.19	1.54	1.06	1.45

**p* < .05.

NOTE: Percentages represent the proportion of screener respondent households that reported at least one child on the screener who was eligible for a topical survey. Screener respondent households may have been eligible for more than one topical; as a result, the topical-specific results do not sum to the overall result. Unweighted eligible sample size was 13,910 for the \$10 choice-plus condition, 3,560 for the \$20 choice-plus condition, 20,980 for the baseline web-push condition, and 2,310 for the random paper-only condition. Sample sizes have been rounded to the nearest 10.

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Household Education Surveys Program (NHES), 2019.

Table 2.1.5. Topical response rate, by experimental condition, questionnaire, and response mode: 2019

Questionnaire and response mode	Topical response rate (percentage)				<i>t</i> statistic				
	Choice-plus		Baseline web-push	Random paper-only	Choice-plus \$10 vs. choice-plus \$20	Choice-plus \$10 vs. baseline web-push	Choice-plus \$10 vs. random paper-only	Choice-plus \$20 vs. baseline web-push	Choice-plus \$20 vs. random paper-only
	\$10 promised incentive	\$20 promised incentive							
ECPP									
Overall	85.52	90.11	84.03	72.12	-2.19 *	0.93	2.97 *	2.84 *	3.82 *
Web	95.32	95.95	92.92	†	-0.36	1.87	†	1.55	†
Paper	57.25	66.67	67.25	71.94	-1.42	-2.56 *	-2.44 *	-0.09	-0.69
Inbound telephone	90.82	‡	‡	‡	0.11	†	†	†	†
PFI									
Overall	83.36	87.79	81.62	72.95	-2.43 *	1.33	3.46 *	3.41 *	4.57 *
Web	93.21	95.02	92.53	†	-1.33	0.59	†	1.80	†
Paper	64.93	67.16	62.64	72.95	-0.43	0.76	-2.28 *	0.91	-1.09
Inbound telephone	92.81	‡	90.19	†	†	0.40	†	†	†

† Not applicable.

‡ Reporting standards not met. Either there are too few cases for a reliable estimate or the coefficient of variation (CV) is 50 percent or greater.

**p* < .05.

NOTE: Response rates were calculated using American Association for Public Opinion Research (AAPOR) Response Rate 1 (RR1). Percentages represent the proportion of eligible households that were respondents to the questionnaire. Unweighted eligible sample size for the ECPP response rate was 1,140 for the \$10 choice-plus condition, 290 for the \$20 choice-plus condition, 1,620 for the baseline web-push baseline condition, and 150 for the paper-only condition. Unweighted eligible sample size for the PFI response rate was 2,570 for the \$10 choice-plus condition, 670 for the \$20 choice-plus condition, 3,740 for the baseline web-push condition, and 410 for the random paper-only condition. Sample sizes have been rounded to the nearest 10. Detail may not sum to totals due to rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Household Education Surveys Program (NHES), 2019.

Table 2.1.6. Overall response rate, by experimental condition, questionnaire, and response mode: 2019

Questionnaire and response mode	Overall response rate (percentage)				<i>t</i> statistic				
	Choice-plus		Baseline web-push	Random paper-only	Choice-plus \$10 vs. choice-plus \$20	Choice-plus \$10 vs. baseline web-push	Choice-plus \$10 vs. random paper-only	Choice-plus \$20 vs. baseline web-push	Choice-plus \$20 vs. random paper-only
	\$10 promised incentive	\$20 promised incentive							
ECPP									
Overall	55.36	59.49	49.49	46.39	-2.50 *	5.45 *	3.11 *	6.40 *	4.22 *
Web	30.05	33.99	32.42	†	-4.15 *	-4.15 *	†	1.67	†
Paper	16.81	17.61	13.25	45.76	-0.39	2.97 *	-9.85 *	2.47 *	-8.77 *
Inbound telephone	3.48	3.73	4.19	‡	-0.34	-2.15 *	†	-0.68	†
PFI									
Overall	53.96	57.96	48.08	46.92	-3.14 *	7.20 *	3.25 *	8.04 *	4.70 *
Web	29.39	33.66	32.28	†	-5.07 *	-5.94 *	†	1.66	†
Paper	19.07	17.73	12.34	46.40	0.96	9.21 *	-12.78 *	4.11 *	-11.94 *
Inbound telephone	3.56	4.18	3.89	#	-1.95	-1.09	25.24 *	0.73	14.56 *

† Not applicable.

Rounds to zero.

‡ Reporting standards not met. Either there are too few cases for a reliable estimate or the coefficient of variation (CV) is 50 percent or greater.

* $p < .05$.

NOTE: The overall response rate is the product of the screener response rate and the topical response rate. Screener and topical response rates were calculated using American Association for Public Opinion Research (AAPOR) Response Rate 1 (RR1). Unweighted eligible sample size for the ECPP response rate was 22,040 for the \$10 choice-plus condition, 5,530 for the \$20 choice-plus condition, 36,700 for the baseline web-push condition, and 3,680 for the random paper-only condition. Unweighted eligible sample size for the PFI response rate was 22,040 for the \$10 choice-plus condition, 5,530 for the \$20 choice-plus condition, 36,700 for the baseline web-push condition, and 3,680 for the random paper-only condition. Sample sizes have been rounded to the nearest 10. Detail may not sum to totals due to rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Household Education Surveys Program (NHES), 2019.

Table 2.1.7. ECPP overall response rate, by experimental condition and selected household characteristics: 2019

Selected household characteristics ¹	Number of eligible screener households included in response rate calculation	ECPP overall response rate (percentage)				<i>t</i> statistic					
		Choice-plus		Random paper-only		Choice-plus \$10 vs. choice-plus \$20	Choice-plus \$10 vs. baseline web-push	Choice-plus \$10 vs. random paper-only	Choice-plus \$20 vs. baseline web-push	Choice-plus \$20 vs. random paper-only	
		\$10 promised incentive	\$20 promised incentive								
Gender of head of household											
Male	22,950	59.26	62.02	51.94	53.08	-0.88	4.34 *	1.53	3.29 *	1.87	
Female	20,130	56.28	58.44	51.26	45.56	-0.61	2.52 *	1.68	2.12 *	1.86	
Missing	24,860	50.92	57.35	45.74	39.67	-3.05 *	3.23 *	2.10 *	5.54 *	3.20 *	
Age of head of household											
18-34	5,910	53.49	51.69	44.26	46.43	0.38	4.01 *	1.28	1.59	0.77	
35-44	8,130	53.57	56.96	46.41	39.92	-1.10	3.62 *	2.24 *	3.43 *	2.61 *	
45-54	9,860	52.06	56.29	46.47	51.34	-0.66	1.24	0.09	1.78	0.60	
55-65	11,800	56.44	68.32	53.48	46.26	-2.21 *	0.62	0.81	2.67 *	1.71	
Over 65	13,250	64.10	73.00	64.78	44.82	-1.11	-0.14	1.80	1.09	2.32 *	
Missing	19,000	43.03	49.25	36.84	37.40	-2.62 *	3.85 *	1.04	5.34 *	2.08 *	
Marital status of head of household											
Single	22,380	50.54	55.74	44.35	40.18	-1.74	3.06 *	1.86	3.95 *	2.62 *	
Married	34,510	62.22	63.88	56.66	51.27	-0.70	3.80 *	2.77 *	3.21 *	2.93 *	
Missing	11,050	42.48	51.83	36.29	43.30	-3.41 *	2.29 *	-0.14	5.43 *	1.41	
Race/ethnicity of head of household											
White	32,910	64.21	65.25	56.94	60.81	-0.39	4.54 *	0.97	3.10 *	1.08	
Black	7,500	40.68	50.79	36.65	18.19	-2.09 *	1.09	2.55 *	3.27 *	3.58 *	
Hispanic	8,010	41.14	46.58	38.13	33.56	-1.33	1.05	1.15	2.34 *	1.87	
Asian/Pacific Islander or Other	2,720	57.50	53.78	52.14	32.54	0.52	1.47	1.54	0.23	1.23	
Missing	16,810	48.77	56.29	42.85	43.28	-3.31 *	2.98 *	0.84	5.63 *	1.95	
Highest education level of head of household											
Less than high school diploma	7,310	45.68	44.21	38.47	52.84	0.32	2.54 *	-1.42	1.28	-1.41	
High school diploma	15,080	56.00	65.02	48.44	42.86	-2.39 *	2.31 *	1.59	4.69 *	2.65 *	
Some college	14,470	56.72	57.99	49.76	39.54	-0.37	3.53 *	2.95 *	2.46 *	2.87 *	
Bachelor's degree	9,710	63.58	65.73	58.45	56.57	-0.41	1.73	1.06	1.44	1.18	
Graduate degree	6,010	66.60	69.31	62.48	59.99	-0.65	1.19	0.77	1.73	1.06	
Missing	15,370	47.52	55.54	42.86	41.81	-3.25 *	2.21 *	0.81	5.07 *	1.92	

See notes at end of table.

Table 2.1.7. ECPP overall response rate, by experimental condition and selected household characteristics: 2019–Continued

Selected household characteristics ¹	Number of eligible screener households included in response rate calculation	ECPP overall response rate (percentage)				<i>t</i> statistic				
		Choice-plus		Baseline web-push	Random paper-only	Choice-plus \$10 vs. choice-plus \$20	Choice-plus \$10 vs. baseline web-push	Choice-plus \$10 vs. random paper-only	Choice-plus \$20 vs. baseline web-push	Choice-plus \$20 vs. random paper-only
		\$10 promised incentive	\$20 promised incentive							
Household income										
Less than \$25,000	10,970	48.03	58.24	39.83	36.38	-2.89 *	2.83 *	1.31	6.00 *	2.45 *
\$25,000-\$49,999	14,530	56.02	53.57	47.40	34.74	0.54	3.28 *	2.57 *	1.38	2.08 *
\$50,000-\$74,999	9,770	59.61	64.57	54.52	42.57	-1.26	1.86	2.54 *	2.65 *	3.06 *
\$75,000-\$99,999	8,150	63.04	64.76	58.40	51.92	-0.35	1.34	1.43	1.27	1.49
\$100,000-\$149,999	8,370	59.72	57.12	54.95	59.19	0.53	1.94	0.10	0.47	-0.32
\$150,000 or more	6,500	63.62	71.48	58.50	61.59	-1.91	1.48	0.23	3.31 *	1.09
Missing	9,660	42.11	51.85	38.58	34.05	-3.33 *	1.36	0.90	4.56 *	1.97 *
Home tenure										
Own	43,760	62.18	63.84	57.72	54.87	-0.79	3.32 *	2.03 *	3.08 *	2.31 *
Rent	14,050	44.96	50.09	35.05	28.20	-1.65	4.76 *	2.56 *	4.98 *	3.18 *
Missing	10,140	39.51	50.17	33.38	37.30	-3.83 *	2.46 *	0.26	5.79 *	1.50
Number of adults in household										
1	32,560	51.07	56.34	43.90	41.28	-2.41 *	4.44 *	2.47 *	6.31 *	3.65 *
2	18,830	67.45	64.84	61.08	59.47	0.73	3.07 *	1.70	1.06	0.97
3	5,240	54.09	67.52	59.84	52.12	-1.43	-0.84	0.14	1.01	1.07
4 or more	1,730	59.89	‡	55.41	‡	†	0.42	†	†	†
Missing	9,580	41.70	51.87	38.42	34.13	-3.46 *	1.25	0.84	4.63 *	1.96
Household flagged as having children										
Yes	13,190	55.13	55.69	49.69	42.06	-0.14	2.40 *	2.00 *	1.57	1.89
No	54,760	55.45	60.74	49.49	47.97	-3.19 *	4.83 *	2.23 *	7.14 *	3.65 *
Ability to match address to phone number										
Phone number available	45,660	59.44	61.83	53.87	52.17	-1.00	3.89 *	1.92	3.40 *	2.29 *
No phone number available	22,290	47.34	53.29	41.10	34.92	-2.80 *	4.05 *	3.19 *	6.26 *	4.51 *
Route type										
Street	52,140	58.43	61.69	52.46	49.13	-1.77	5.03 *	3.02 *	5.24 *	3.76 *
P.O. box	490	61.05	‡	49.91	‡	†	1.27	†	†	†
Rural route	30	‡	‡	‡	‡	†	†	†	†	†
High rise	15,290	43.75	51.45	38.63	35.98	-2.46 *	2.07 *	1.00	4.20 *	1.95

See notes at end of table.

Table 2.1.7. ECPP overall response rate, by experimental condition and selected household characteristics: 2019–Continued

Selected household characteristics ¹	Number of eligible screener households included in response rate calculation	ECPP overall response rate (percentage)				<i>t</i> statistic				
		Choice-plus		Baseline web-push	Random paper-only	Choice-plus \$10 vs. choice-plus \$20	Choice-plus \$10 vs. baseline web-push	Choice-plus \$10 vs. random paper-only	Choice-plus \$20 vs. baseline web-push	Choice-plus \$20 vs. random paper-only
		\$10 promised incentive	\$20 promised incentive							
Dwelling type										
Single unit	50,650	58.83	61.85	53.10	49.54	-1.59	4.78 *	3.00 *	4.76 *	3.63 *
Multi-unit	16,810	43.97	51.51	37.80	35.73	-2.61 *	2.79 *	1.11	4.95 *	2.08 *
Missing	490	61.05	‡	49.91	‡	†	1.27	†	†	†
Vacancy status										
Flagged as vacant	810	23.64†	#	45.33	‡	3.22 *	-2.78 *	†	-16.88 *	†
Not flagged as vacant	67,140	55.78	59.66	49.56	46.45	-2.35 *	5.76 *	3.18 *	6.44 *	4.20 *
Seasonal address type										
Seasonal or educational seasonal delivery	420	‡	#	‡	‡	†	†	†	†	†
No seasonal delivery	67,530	55.29	59.44	49.39	46.29	-2.50 *	5.47 *	3.12 *	6.40 *	4.24 *
Drop point address type										
Drop point	1,060	40.32	58.28	41.03	‡	-1.56	-0.07	†	2.51 *	†
Not a drop point	66,890	55.56	59.51	49.62	46.76	-2.37 *	5.49 *	3.04 *	6.25 *	4.08 *
Census region										
Northeast	11,670	56.70	63.46	52.42	49.03	-2.12 *	1.83	0.98	3.74 *	1.80
South	27,240	50.86	56.73	45.54	41.49	-2.23 *	2.87 *	1.98 *	4.63 *	3.06 *
Midwest	14,010	59.80	61.38	52.42	59.41	-0.34	3.11 *	0.07	1.89	0.29
West	15,030	57.31	58.78	51.01	39.19	-0.42	3.17 *	2.50 *	2.26 *	2.52 *
Race/ethnicity stratum										
25% or more Black	12,970	41.81	45.33	36.57	29.67	-0.94	2.12 *	2.06 *	2.55 *	2.47 *
40% or more Hispanic	10,190	38.99	47.25	37.32	29.49	-2.12 *	0.61	1.45	2.96 *	2.60 *
Other	44,780	60.66	64.00	53.70	54.84	-1.64	5.19 *	1.78	5.13 *	2.55 *
Tract poverty rate										
20 percent or higher	19,600	42.75	49.56	35.12	31.25	-2.25 *	3.49 *	1.87	5.06 *	2.85 *
Below 20 percent	48,350	59.76	62.80	54.45	51.44	-1.58	4.19 *	2.65 *	4.55 *	3.34 *
Extent of missing frame information ²										
High	12,830	44.55	53.99	40.01	39.96	-3.89 *	2.03 *	0.66	5.49 *	1.98 *
Medium	22,530	53.72	55.63	45.92	36.04	-0.68	4.67 *	3.70 *	3.55 *	3.73 *
Low	32,590	60.48	63.91	56.11	55.46	-1.30	2.79 *	1.19	3.15 *	1.82

See notes at end of table.

Table 2.1.7. ECPP overall response rate, by experimental condition and selected household characteristics: 2019–Continued

Selected household characteristics ¹	Number of eligible screener households included in response rate calculation	ECPP overall response rate (percentage)				<i>t</i> statistic				
		Choice-plus		Baseline web-push	Random paper-only	Choice-plus \$10 vs. choice-plus \$20	Choice-plus \$10 vs. baseline web-push	Choice-plus \$10 vs. random paper-only	Choice-plus \$20 vs. baseline web-push	Choice-plus \$20 vs. random paper-only
		\$10 promised incentive	\$20 promised incentive							
Census Low Response Score ³										
First quartile (low)	17,770	66.60	65.82	61.45	59.06	0.21	2.47 *	1.30	1.17	1.03
Second quartile	17,230	60.60	61.25	54.27	61.10	-0.21	3.19 *	-0.12	2.27 *	0.03
Third quartile	16,730	51.91	57.35	44.25	38.01	-2.06 *	3.54 *	2.18 *	5.10 *	2.97 *
Fourth quartile (high)	15,850	38.43	48.07	32.59	22.74	-3.65 *	2.87 *	2.83 *	6.41 *	4.45 *
Percent of persons in block group without a high school diploma ⁴										
First quartile (low)	17,440	61.84	63.93	58.89	58.41	-0.58	1.52	0.68	1.48	0.96
Second quartile	17,150	61.50	61.29	54.59	55.82	0.06	3.41 *	1.11	2.02 *	0.95
Third quartile	16,740	52.94	58.86	46.27	41.94	-1.73	2.61 *	2.06 *	3.78 *	2.94 *
Fourth quartile (high)	16,590	42.77	50.59	35.23	29.49	-2.63 *	3.27 *	2.23 *	5.50 *	3.42 *
Percent of persons in block group who are Black ⁴										
First quartile (low)	17,290	60.29	63.62	54.29	62.57	-0.90	2.41 *	-0.49	2.69 *	0.20
Second quartile	17,200	58.14	66.63	54.76	49.37	-3.03 *	1.52	1.84	4.59 *	3.49 *
Third quartile	17,140	56.97	58.03	49.06	41.85	-0.34	3.97 *	2.64 *	2.97 *	2.63 *
Fourth quartile (high)	16,300	43.09	46.28	36.93	31.70	-0.92	2.69 *	2.01 *	2.78 *	2.36 *
Percent of persons in block group speaking a non-English language ⁴										
First quartile (low)	16,820	58.94	62.17	51.42	53.68	-1.03	2.97 *	0.95	3.43 *	1.45
Second quartile	17,000	59.66	63.72	57.61	56.87	-1.26	1.06	0.58	2.00 *	1.27
Third quartile	17,070	57.50	62.20	48.53	46.76	-1.62	4.46 *	1.76	4.81 *	2.40 *
Fourth quartile (high)	17,030	43.88	48.58	39.05	33.10	-1.38	2.23 *	1.96 *	3.03 *	2.61 *
Bilingual screener package mailed ⁵										
Yes	49,920	52.78	57.84	47.13	42.10	-2.62 *	4.83 *	3.17 *	5.93 *	4.32 *
No	18,030	62.17	63.54	55.69	59.71	-0.45	2.92 *	0.47	2.49 *	0.68
Paper-sensitivity classification ⁶										
Paper-sensitive	10,550	59.84	64.13	55.62	58.59	-0.35	0.60	0.09	0.67	0.32
Not paper-sensitive	57,400	53.66	57.57	47.50	44.40	-2.34 *	5.68 *	3.18 *	6.54 *	4.23 *

† Not applicable.

Rounds to zero.

! Interpret with caution. The coefficient of variation (CV) is between 30 and 50 percent.

‡ Reporting standards not met. Either there are too few cases for a reliable estimate or the coefficient of variation (CV) is 50 percent or greater.

* $p < .05$.

¹ Unless indicated otherwise, the selected characteristics are based on available frame variables.

² Extent of missing frame information was determined based on the number of variables for which the address was missing information on the frame. This analysis is limited to variables for which there is an explicit missing category (as opposed to variables for which a lack of data implies either a lack of the tract in question or that the information is missing). “High missing” cases are cases missing information for 4 or more frame variables, “medium missing” cases are cases missing information for 1 to 3 frame variables, and “low missing” cases are those that were not missing information for any of the frame variables.

³ The Census Low Response Score is a derived variable that identifies block groups with characteristics associated with low mail return rates to the 2010 Decennial Census. A higher low response score corresponds to a lower expected mail return rate. This variable was not available for a very small number of cases, and these cases have been excluded from this analysis. Cases that are in the first quartile are those that were expected to be the most likely to participate and those that are in the fourth quartile are those that were expected to be the least likely to participate.

⁴ Percentages are based on block-level American Community Survey data (2013-2017). Cases in the first quartile were those with the lowest prevalence of the characteristic in question and those that are in the fourth quartile are those with the highest prevalence.

⁵ Variable is from the NHES:2019 data collection operation files.

⁶ A predictive model was used to classify cases into two groups: (1) paper-sensitive cases, which are the most likely to prefer to respond by paper (15 percent of cases) and (2) non-paper-sensitive cases, which do not have as much of a preference to respond by paper (85 percent of cases).

NOTE: ECPP is Early Childhood Program Participation topical survey. The overall response rate is the product of the screener response rate and the topical response rate. Screener and topical response rates were calculated using American Association for Public Opinion Research (AAPOR) Response Rate 1 (RR1). Unweighted eligible sample size was 22,040 for the \$10 choice-plus condition, 5,530 for the \$20 choice-plus condition, 36,700 for the baseline web-push condition, and 3,680 for the random paper-only condition. Sample sizes have been rounded to the nearest 10. Detail may not sum to totals due to rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Household Education Surveys Program (NHES), 2019. U.S. Census Bureau, American Community Survey (ACS), 2013-2017.

Table 2.1.8. PFI overall response rate, by experimental condition and selected household characteristics: 2019

Selected household characteristics ¹	Number of eligible screener households included in response rate calculation	PFI overall response rate (percentage)				<i>t</i> statistic									
		Choice-plus		Baseline web-push	Random paper-only	Choice-plus \$10 vs. choice-plus \$20		Choice-plus \$10 vs. baseline web-push		Choice-plus \$10 vs. random paper-only		Choice-plus \$20 vs. baseline web-push		Choice-plus \$20 vs. random paper-only	
		\$10 promised incentive	\$20 promised incentive												
Gender of head of household															
Male	22,950	57.50	62.50	51.89	48.78	-2.42	*	4.16	*	2.41	*	5.64	*	3.56	*
Female	20,130	56.46	58.07	50.58	46.65	-0.65		4.20	*	2.28	*	3.15	*	2.42	*
Missing	24,860	48.63	53.69	42.27	45.95	-2.22	*	4.13	*	0.87		4.98	*	2.20	*
Age of head of household															
18-34	5,910	48.47	50.01	39.87	45.22	-0.31		3.10	*	0.54		2.08	*	0.67	
35-44	8,130	51.46	56.52	43.04	43.26	-2.00	*	5.44	*	1.89		5.56	*	2.81	*
45-54	9,860	54.96	56.67	50.25	46.33	-0.62		2.54	*	2.22	*	2.41	*	2.38	*
55-65	11,800	64.19	58.74	57.18	67.52	1.13		2.57	*	-0.82		0.33		-1.58	
Over 65	13,250	63.06	77.71	64.80	59.63	-3.65	*	-0.49		0.34		3.69	*	1.82	
Missing	19,000	40.28	46.44	34.63	31.55	-2.32	*	3.33	*	1.81		4.77	*	2.89	*
Marital status of head of household															
Single	22,380	47.87	51.29	41.84	39.68	-1.16		3.04	*	1.50		3.41	*	2.01	*
Married	34,510	60.92	65.21	55.34	53.13	-2.64	*	5.15	*	3.14	*	6.49	*	4.48	*
Missing	11,050	40.37	45.30	34.71	39.12	-1.28		2.11	*	0.24		2.78	*	1.07	
Race/ethnicity of head of household															
White	32,910	61.18	66.31	55.70	50.63	-2.63	*	4.13	*	3.32	*	5.85	*	4.60	*
Black	7,500	46.45	49.97	34.76	32.56	-1.04		4.76	*	2.19	*	4.30	*	2.54	*
Hispanic	8,010	40.43	42.63	37.76	41.30	-0.69		1.35		-0.17		1.64		0.24	
Asian/Pacific Islander or Other	2,720	58.09	56.89	52.35	46.87	0.28		1.78		1.42		1.11		1.21	
Missing	16,810	47.12	50.95	40.44	44.85	-1.33		3.55	*	0.58		3.66	*	1.36	
Highest education level of head of household															
Less than high school diploma	7,310	40.57	45.63	36.29	44.14	-1.40		1.63		-0.70		2.90	*	0.28	
High school diploma	15,080	56.29	57.17	50.75	36.77	-0.21		2.57	*	3.52	*	1.58		3.12	*
Some college	14,470	55.98	59.67	47.49	48.05	-1.68		4.51	*	1.81		5.78	*	2.59	*
Bachelor's degree	9,710	62.85	68.46	57.31	54.64	-1.57		2.83	*	1.91		3.18	*	2.66	*
Graduate degree	6,010	63.24	66.27	62.50	61.88	-0.67		0.32		0.26		0.88		0.69	
Missing	15,370	46.33	50.66	39.06	45.14	-1.40		3.59	*	0.30		3.74	*	1.20	

See notes at end of table.

Table 2.1.8. PFI overall response rate, by experimental condition and selected household characteristics: 2019–Continued

Selected household characteristics ¹	Number of eligible screener households included in response rate calculation	PFI overall response rate (percentage)				<i>t</i> statistic					
		Choice-plus		Random		Choice-plus \$10 vs. choice-plus \$20	Choice-plus \$10 vs. baseline web-push	Choice-plus \$10 vs. random paper-only	Choice-plus \$20 vs. baseline web-push	Choice-plus \$20 vs. random paper-only	
		\$10 promised incentive	\$20 promised incentive								
Household income											
Less than \$25,000	10,970	47.79	53.38	41.09	32.86	-1.47	2.70 *	1.92	3.46 *	2.50 *	
\$25,000-\$49,999	14,530	53.32	56.13	46.74	40.65	-0.78	2.64 *	2.70 *	2.93 *	3.03 *	
\$50,000-\$74,999	9,770	55.67	57.16	51.00	47.73	-0.36	2.16 *	1.35	1.55	1.39	
\$75,000-\$99,999	8,150	59.81	65.54	55.87	56.10	-1.96	1.45	0.80	3.14 *	1.95	
\$100,000-\$149,999	8,370	58.56	60.26	53.11	54.12	-0.61	2.94 *	0.98	2.73 *	1.25	
\$150,000 or more	6,500	63.98	68.35	59.13	59.79	-1.14	2.02 *	0.78	2.55 *	1.42	
Missing	9,660	41.09	47.48	33.33	41.04	-1.68	2.88 *	0.01	3.86 *	1.04	
Home tenure											
Own	43,760	61.13	64.32	55.84	53.94	-2.06 *	5.22 *	3.12 *	5.91 *	4.12 *	
Rent	14,050	42.39	48.38	34.11	33.55	-1.97 *	4.03 *	1.43	4.88 *	2.27 *	
Missing	10,140	37.75	42.19	31.79	35.29	-1.14	2.34 *	0.42	2.75 *	1.06	
Number of adults in household											
1	32,560	48.94	52.44	41.92	44.50	-1.72	5.24 *	1.19	5.29 *	1.98 *	
2	18,830	64.03	69.15	60.33	49.94	-2.58 *	2.53 *	4.26 *	4.81 *	5.51 *	
3	5,240	64.39	65.12	61.48	59.17	-0.16	1.00	0.63	0.87	0.67	
4 or more	1,730	64.00	68.67	57.72	60.72	-0.69	1.14	0.23	1.81	0.55	
Missing	9,580	40.78	47.08	33.35	41.15	-1.61	2.71 *	-0.06	3.62 *	0.94	
Household flagged as having children											
Yes	13,190	56.55	61.16	50.56	49.43	-2.23 *	4.50 *	2.64 *	5.26 *	3.79 *	
No	54,760	52.47	56.17	46.67	45.42	-2.04 *	5.48 *	2.31 *	5.39 *	3.20 *	
Ability to match address to phone number											
Phone number available	45,660	57.94	61.02	51.57	48.98	-1.90	6.34 *	3.27 *	6.19 *	4.05 *	
No phone number available	22,290	45.73	51.14	40.85	42.13	-2.80 *	3.33 *	1.16	5.28 *	2.67 *	
Route type											
Street	52,140	56.77	60.79	51.15	48.77	-2.91 *	6.16 *	3.58 *	7.28 *	4.95 *	
P.O. box	490	48.34	‡	28.05!	‡	†	1.35	†	†	†	
Rural route	30	‡	‡	‡	‡	†	†	†	†	†	
High rise	15,290	43.22	46.69	37.05	41.17	-1.03	2.94 *	0.46	3.08 *	1.11	

See notes at end of table.

Table 2.1.8. PFI overall response rate, by experimental condition and selected household characteristics: 2019–Continued

Selected household characteristics ¹	Number of eligible screener households included in response rate calculation	PFI overall response rate (percentage)				<i>t</i> statistic				
		Choice-plus		Baseline web-push Random paper-only		Choice-plus \$10 vs. choice-plus \$20	Choice-plus \$10 vs. baseline web-push	Choice-plus \$10 vs. random paper-only	Choice-plus \$20 vs. baseline web-push	Choice-plus \$20 vs. random paper-only
		\$10 promised incentive	\$20 promised incentive							
Dwelling type										
Single unit	50,650	57.17	61.11	51.78	49.54	-2.76 *	5.91 *	3.36 *	6.86 *	4.65 *
Multi-unit	16,810	43.41	47.43	36.24	38.71	-1.28	3.38 *	1.13	3.61 *	1.84
Missing	490	48.34	‡	28.05!	‡	†	1.35	†	†	†
Vacancy status										
Flagged as vacant	810	41.97	‡	24.03	‡	†	2.15 *	†	†	†
Not flagged as vacant	67,140	54.10	58.29	48.44	46.96	-3.29 *	6.94 *	3.27 *	8.06 *	4.79 *
Seasonal address type										
Seasonal or educational seasonal delivery	420	‡	‡	‡	‡	†	†	†	†	†
No seasonal delivery	67,530	53.90	57.90	47.98	46.82	-3.13 *	7.26 *	3.26 *	8.07 *	4.70 *
Drop point address type										
Drop point	1,060	37.56	54.53	41.08	‡	-1.93	-0.52	†	1.68	†
Not a drop point	66,890	54.23	58.03	48.18	47.12	-2.97 *	7.26 *	3.24 *	7.99 *	4.59 *
Census region										
Northeast	11,670	55.36	56.23	47.95	52.53	-0.24	3.83 *	0.69	2.33 *	0.73
South	27,240	51.36	55.53	43.90	43.27	-2.36 *	5.68 *	2.43 *	7.26 *	3.55 *
Midwest	14,010	57.25	63.06	54.14	44.95	-1.78	1.48	1.96	2.95 *	2.72 *
West	15,030	54.01	58.45	49.46	51.35	-1.65	2.50 *	0.72	3.54 *	1.73
Race/ethnicity stratum										
25% or more Black	12,970	41.43	45.45	33.74	37.54	-1.37	3.79 *	0.90	4.46 *	1.70
40% or more Hispanic	10,190	38.25	40.33	35.25	44.38	-0.67	1.56	-1.73	1.73	-0.97
Other	44,780	59.00	63.45	52.72	48.71	-2.70 *	5.83 *	3.67 *	6.76 *	4.85 *
Tract poverty rate										
20 percent or higher	19,600	40.41	47.97	33.99	38.91	-3.12 *	3.99 *	0.33	5.95 *	1.88
Below 20 percent	48,350	58.73	61.26	52.95	49.63	-1.75	6.52 *	3.89 *	5.99 *	4.52 *
Extent of missing frame information ²										
High	12,830	43.37	49.25	35.85	41.70	-1.83	3.42 *	0.37	4.23 *	1.49
Medium	22,530	50.39	54.22	44.65	40.87	-1.74	3.37 *	2.09 *	4.51 *	2.83 *
Low	32,590	60.43	64.08	54.97	52.50	-2.36 *	4.74 *	2.89 *	6.38 *	4.03 *

See notes at end of table.

Table 2.1.8. PFI overall response rate, by experimental condition and selected household characteristics: 2019–Continued

Selected household characteristics ¹	Number of eligible screener households included in response rate calculation	PFI overall response rate (percentage)				<i>t</i> statistic					
		Choice-plus		Baseline web-push	Random paper-only	Choice-plus \$10 vs. choice-plus \$20		Choice-plus \$10 vs. baseline web-push		Choice-plus \$10 vs. random paper-only	
		\$10 promised incentive	\$20 promised incentive								
Census Low Response Score ³											
First quartile (low)	17,770	64.18	68.98	58.54	59.08	-2.02	*	3.18	*	1.45	
Second quartile	17,230	57.59	61.54	54.20	50.40	-1.56		2.11	*	1.50	
Third quartile	16,730	51.06	55.19	43.41	37.47	-1.65		4.47	*	2.96	*
Fourth quartile (high)	15,850	38.53	42.86	30.85	37.34	-1.59		4.62	*	0.33	
Percent of persons in block group without a high school diploma ⁴											
First quartile (low)	17,440	62.39	66.78	56.56	54.76	-2.07	*	3.53	*	1.77	
Second quartile	17,150	58.15	61.44	52.28	48.24	-1.44		3.22	*	2.49	*
Third quartile	16,740	53.22	54.40	46.04	43.75	-0.39		3.95	*	1.81	
Fourth quartile (high)	16,590	40.52	46.50	34.66	38.57	-2.23	*	3.40	*	0.50	
Percent of persons in block group who are Black ⁴											
First quartile (low)	17,290	58.20	60.84	51.82	47.05	-0.84		3.40	*	2.57	*
Second quartile	17,200	57.38	63.42	53.52	58.57	-2.54	*	2.15	*	-0.36	
Third quartile	17,140	54.25	59.20	48.17	43.19	-2.18	*	3.96	*	2.94	*
Fourth quartile (high)	16,300	43.34	45.41	35.83	38.53	-0.75		4.19	*	1.16	
Percent of persons in block group speaking a non-English language ⁴											
First quartile (low)	16,820	55.48	62.68	50.83	45.50	-2.97	*	2.33	*	2.11	*
Second quartile	17,000	61.38	66.17	54.27	50.57	-2.19	*	4.38	*	2.57	*
Third quartile	17,070	54.25	56.37	47.85	46.54	-0.70		3.56	*	1.74	
Fourth quartile (high)	17,030	43.40	47.36	37.88	43.68	-1.57		3.25	*	-0.09	
Bilingual screener package mailed ⁵											
Yes	49,920	51.56	55.00	46.23	45.92	-2.08	*	5.66	*	2.21	*
No	18,030	60.22	65.65	52.72	48.76	-2.65	*	4.48	*	2.52	*
Paper-sensitivity classification ⁶											
Paper-sensitive	10,550	60.31	72.14	62.33	52.83	-2.26	*	-0.51		0.77	
Not paper-sensitive	57,400	52.20	55.78	45.73	45.30	-2.69	*	7.76	*	3.04	*

† Not applicable.

! Interpret with caution. The coefficient of variation (CV) is between 30 and 50 percent.

‡ Reporting standards not met. Either there are too few cases for a reliable estimate or the coefficient of variation (CV) is 50 percent or greater.

* $p < .05$.

¹ Unless indicated otherwise, the selected characteristics are based on available frame variables.

² Extent of missing frame information was determined based on the number of variables for which the address was missing information on the frame. This analysis is limited to variables for which there is an explicit missing category (as opposed to variables for which a lack of data implies either a lack of the tract in question or that the information is missing). “High missing” cases are cases missing information for 4 or more frame variables, “medium missing” cases are cases missing information for 1 to 3 frame variables, and “low missing” cases are those that were not missing information for any of the frame variables.

³ The Census Low Response Score is a derived variable that identifies block groups with characteristics associated with low mail return rates to the 2010 Decennial Census. A higher low response score corresponds to a lower expected mail return rate. This variable was not available for a very small number of cases, and these cases have been excluded from this analysis. Cases that are in the first quartile are those that were expected to be the most likely to participate and those that are in the fourth quartile are those that were expected to be the least likely to participate.

⁴ Percentages are based on block-level American Community Survey data (2013-2017). Cases in the first quartile were those with the lowest prevalence of the characteristic in question and those that are in the fourth quartile are those with the highest prevalence.

⁵ Variable is from the NHES:2019 data collection operation files.

⁶ A predictive model was used to classify cases into two groups: (1) paper-sensitive cases, which are the most likely to prefer to respond by paper (15 percent of cases) and (2) non-paper-sensitive cases, which do not have as much of a preference to respond by paper (85 percent of cases).

NOTE: PFI is Parent and Family Involvement topical survey. The overall response rate is the product of the screener response rate and the topical response rate. Screener and topical response rates were calculated using American Association for Public Opinion Research (AAPOR) Response Rate 1 (RR1). Unweighted eligible sample size was 22,040 for the \$10 choice-plus condition, 5,530 for the \$20 choice-plus condition, 36,700 for the baseline web-push condition, and 3,680 for the random paper-only condition. Sample sizes have been rounded to the nearest 10. Detail may not sum to totals due to rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Household Education Surveys Program (NHES), 2019. U.S. Census Bureau, American Community Survey (ACS), 2013-2017.

Table 2.2.1. Screener response rate, by paper-sensitivity classification, experimental condition, and response mode: 2019

Response mode	All cases					Paper-sensitive cases ¹			Non-paper-sensitive cases ¹		
	Screener response rate (percentage)			<i>t</i> statistic		Screener response rate (percentage)		<i>t</i> statistic	Screener response rate (percentage)		<i>t</i> statistic
	Modeled-mode condition	Baseline web-push condition	Random paper-only condition	Modeled-mode vs. baseline web-push	Modeled-mode vs. random paper-only	Paper-only protocol ²	Web-push protocol ²		Paper-only protocol ³	Web-push protocol ³	
Overall	60.42	58.90	64.32	4.13 *	-4.61 *	80.00	73.00	7.86 *	61.68	56.68	5.22 *
Web	29.17	34.89	†	-17.26 *	†	†	35.68	†	†	34.74	†
Paper	28.23	19.70	63.60	25.83 *	-45.11 *	78.42	26.51	59.55 *	60.95	18.65	47.25 *
Inbound telephone	3.03	4.32	0.71	-7.69 *	13.56 *	1.59	10.81	-18.84 *	0.73	3.30	-13.96 *

† Not applicable.

* $p < 0.05$.

¹ A predictive model was used to classify cases into two groups: (1) paper-sensitive cases, which are the most likely to prefer to respond by paper (15 percent of cases) and (2) non-paper-sensitive cases, which do not have as much of a preference to respond by paper (85 percent of cases).

² When paper-sensitive cases were assigned to the modeled-mode condition, they received a paper-only protocol. When paper-sensitive cases were assigned to the baseline web-push condition, they received a web-push protocol.

³ When non-paper-sensitive cases were assigned to the modeled-mode condition, they received a web-push protocol. When non-paper-sensitive cases were assigned to the random paper-only condition, they received a paper-only protocol.

NOTE: Response rates were calculated using American Association for Public Opinion Research (AAPOR) Response Rate 1 (RR1). Percentages represent the proportion of sampled households (excluding undeliverable and out-of-scope addresses) that were respondents to the screener questionnaire. Unweighted eligible sample size was 32,970 for the modeled-mode condition, 36,700 for the baseline web-push condition, and 3,680 for the random paper-only condition. Unweighted eligible sample size was 5,140 for paper-sensitive cases in the modeled-mode condition, 5,700 for paper-sensitive cases in the baseline web-push condition, 27,830 for non-paper-sensitive cases in the modeled-mode condition, and 3,110 for non-paper sensitive cases in the random paper-only condition. Sample sizes have been rounded to the nearest 10. Detail may not sum to totals because of rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Household Education Surveys Program (NHES), 2019.

Table 2.2.2. Percentage point gain in screener response rate, by paper-sensitivity classification, experimental condition, response timing, and response mode: 2019

Response timing and mode	All cases					Paper-sensitive cases ¹				Non-paper-sensitive cases ¹		
	Percentage point gain in screener response rate			<i>t</i> statistic		Percentage point gain in screener response rate		<i>t</i> statistic		Percentage point gain in screener response rate		<i>t</i> statistic
	Modeled-mode condition	Baseline web-push condition	Random paper-only condition	Modeled-mode vs. baseline web-push	Modeled-mode vs. random paper-only	Paper-only protocol ²	Web-push protocol ²			Paper-only protocol ³	Web-push protocol ³	
Early mailings ⁴												
Overall	41.74	37.73	52.22	11.14 *	-12.14 *	69.00	44.83	23.69 *		49.49	36.54	14.26 *
Web	28.46	34.08	†	-16.70 *	†	†	35.05	†		†	33.90	†
Paper ⁵	10.97	0.06	51.90	60.91 *	-49.04 *	68.17	0.20!	91.60 *		49.22	0.10!	57.36 *
Inbound telephone	2.31	3.59	0.32	-8.40 *	15.46 *	0.83	9.59	-19.21 *		0.30!	2.59	-16.50 *
Late mailings ⁶												
Overall	18.68	21.17	12.10	-7.66 *	10.53 *	11.01	28.17	-21.46 *		12.19	20.15	-12.50 *
Web	0.70	0.80	†	-1.49	†	†	0.62	†		†	0.84	†
Paper	17.26	19.64	11.70	-7.72 *	9.43 *	10.25	26.33	-20.13 *		11.74	18.60	-11.44 *
Inbound telephone	0.72	0.73	0.40	-0.10	2.84 *	0.76	1.22	-2.48 *		0.45	0.71	-2.04 *

† Not applicable.

! Interpret with caution. The coefficient of variation (CV) is between 30 and 50 percent.

* $p < 0.05$.

¹A predictive model was used to classify cases into two groups: (1) paper-sensitive cases, which are the most likely to prefer to respond by paper (15 percent of cases) and (2) non-paper-sensitive cases, which do not have as much of a preference to respond by paper (85 percent of cases).

²When paper-sensitive cases were assigned to the modeled-mode condition, they received a paper-only protocol. When paper-sensitive cases were assigned to the baseline web-push condition, they received a web-push protocol.

³When non-paper-sensitive cases were assigned to the modeled-mode condition, they received a web-push protocol. When non-paper-sensitive cases were assigned to the random paper-only condition, they received a paper-only protocol.

⁴The early mailings are the initial screener package, reminder postcard, and the second screener package.

⁵Within the web-push conditions, sample members could receive a paper questionnaire prior to the third screener package by calling the Census Bureau and requesting one.

⁶The late mailings are the third screener package and fourth screener package.

NOTE: Response rates were calculated using American Association for Public Opinion Research (AAPOR) Response Rate 1 (RR1). Percentages represent the proportion of eligible sampled households that completed the screener after the specified mailing. Response is attributed to a mailing if the response was received three or more days after that mailing was sent and less than three days after the next mailing was sent. Unweighted eligible sample size was 32,970 for the modeled-mode condition, 36,700 for the baseline web-push condition, and 3,680 for the random paper-only condition. Unweighted eligible sample size was 5,140 for paper-sensitive cases in the modeled-mode condition, 5,700 for paper-sensitive cases in the baseline web-push condition, 27,830 for non-paper-sensitive cases in the modeled-mode condition, and 3,110 for non-paper sensitive cases in the random paper-only condition. Sample sizes have been rounded to the nearest 10. Detail may not sum to totals because of rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Household Education Surveys Program (NHES), 2019.

Table 2.2.3. Screener response rate, by paper-sensitivity classification, experimental condition, and selected household characteristics: 2019

Selected household characteristics ²	Number of eligible households included in response rate calculation	All cases						Paper-sensitive cases ¹			Non-paper-sensitive cases ¹					
		Screener response rate (percentage)			<i>t</i> statistic			Screener response rate (percentage)		<i>t</i> statistic	Screener response rate (percentage)		<i>t</i> statistic			
		Modeled-mode condition	Baseline web-push condition	Random paper-only condition	Modeled-mode vs. baseline web-push	Modeled-mode vs. random paper-only	Paper-only protocol ³	Web-push protocol ³	Paper-only protocol ⁴		Web-push protocol ⁴					
Gender of head of household																
Male	24,910	64.97	62.30	68.61	4.36	*	-2.59	*	81.48	75.04	4.98	*	65.64	61.44	2.57	*
Female	21,790	62.47	60.57	66.33	2.70	*	-2.54	*	80.99	72.38	7.21	*	63.14	55.97	4.23	*
Missing	26,650	54.32	54.31	58.37	0.02		-2.71	*	72.62	69.48	1.39		57.22	53.10	2.59	*
Age of head of household																
18-34	6,270	50.37	51.64	57.01	-0.93		-2.04	*	63.59	53.54	1.44		56.64	49.74	2.14	*
35-44	8,820	55.03	52.27	59.48	2.58	*	-1.69		63.78	53.28	2.05	*	59.85	54.67	1.90	
45-54	10,600	59.82	59.32	62.33	0.57		-1.11		73.55	63.27	3.12	*	61.28	58.80	1.06	
55-65	12,810	69.73	69.08	73.60	1.01		-1.57		75.13	72.26	1.79		73.87	68.71	2.20	*
Over 65	14,490	80.20	76.19	81.48	5.85	*	-1.15		83.95	76.52	7.49	*	81.15	76.06	2.19	*
Missing	20,380	44.96	44.70	50.94	0.37		-3.41	*	65.36	61.21	0.82		50.60	44.52	3.39	*
Marital status of head of household																
Single	24,290	55.07	53.43	61.68	2.28	*	-4.43	*	75.73	67.78	5.83	*	58.66	50.16	5.37	*
Married	37,210	67.39	66.30	69.69	2.37	*	-2.17	*	83.51	76.65	6.50	*	67.49	63.95	2.98	*
Missing	11,850	48.07	45.80	51.94	2.13	*	-1.66		71.42	69.92	0.33		50.43	46.98	1.45	
Race/ethnicity of head of household																
White	35,780	68.49	66.79	71.45	3.68	*	-2.68	*	82.55	75.85	7.07	*	68.07	64.41	2.77	*
Black	8,040	49.93	46.56	51.59	2.76	*	-0.64		68.03	59.96	2.80	*	49.87	46.12	1.30	
Hispanic	8,560	44.92	46.34	53.66	-1.32		-3.14	*	73.24	63.73	2.77	*	53.46	42.96	3.52	*
Asian/Pacific Islander or Other	2,920	59.02	58.09	64.28	0.50		-1.22		71.55	63.14	1.02		64.74	58.32	1.48	
Missing	18,060	53.16	52.09	57.63	1.54		-2.51	*	76.78	69.64	2.64	*	56.68	51.38	2.88	*

See notes at end of table.

**Table 2.2.3. Screener response rate, by paper-sensitivity classification, experimental condition, and selected household characteristics: 2019–
Continued**

Selected household characteristics ²	Number of eligible screener households included in response rate calculation	All cases					Paper-sensitive cases ¹				Non-paper-sensitive cases ¹		
		Screener response rate (percentage)			<i>t</i> statistic		Screener response rate (percentage)		<i>t</i> statistic	Screener response rate (percentage)		<i>t</i> statistic	
		Modeled-mode condition	Baseline web-push condition	Random paper-only condition	Modeled-mode vs. baseline web-push	Modeled-mode vs. random paper-only	Paper-sensitive cases ¹			Non-paper-sensitive cases ¹			
							Paper-only protocol ³	Web-push protocol ³		Paper-only protocol ⁴	Web-push protocol ⁴		
Highest education level of head household													
Less than high school diploma	7,830	49.36	48.36	57.97	0.80	-3.67 *	72.56	64.60	3.13 *		53.02	42.23	3.71 *
High school diploma	16,210	63.46	60.79	65.55	3.45 *	-1.22	81.07	73.06	7.20 *		58.47	54.57	1.87
Some college	15,670	60.34	58.73	64.36	1.97	-2.13 *	82.02	76.48	2.84 *		61.85	57.17	2.36 *
Bachelor's degree	10,460	68.55	67.06	71.42	1.82	-1.31	84.08	77.39	2.21 *		71.17	67.13	1.76
Graduate degree	6,690	71.74	71.81	73.17	-0.06	-0.57	85.36	83.04	0.76		71.59	70.34	0.46
Missing	16,490	51.87	50.90	57.22	1.29	-2.91 *	75.74	69.23	2.32 *		56.70	50.15	3.45 *
Household income													
Less than \$25,000	11,870	54.45	51.64	59.62	2.89 *	-2.27 *	75.62	69.58	3.08 *		53.62	48.03	1.96 *
\$25,000-\$49,999	15,860	60.55	58.79	64.74	2.43 *	-2.31 *	80.51	71.66	7.30 *		60.35	53.37	3.21 *
\$50,000-\$74,999	10,630	63.89	63.59	65.70	0.30	-0.75	85.62	79.36	3.44 *		62.93	59.77	1.24
\$75,000-\$99,999	8,740	66.24	65.54	69.39	0.74	-1.25	81.20	77.76	1.33		67.24	63.95	1.26
\$100,000-\$149,999	8,990	64.50	62.91	67.09	1.57	-1.15	80.91	69.60	3.07 *		67.25	63.30	1.66
\$150,000 or more	6,890	70.11	69.21	74.25	0.77	-1.78	83.15	78.73	1.35		72.51	68.85	1.44
Missing	10,370	47.55	45.42	52.44	2.02 *	-2.19 *	75.42	67.41	2.13 *		51.38	45.13	2.65 *
Home tenure													
Own	47,280	67.98	66.55	70.55	3.43 *	-2.67 *	81.65	74.75	7.49 *		68.37	64.33	3.65 *
Rent	15,140	47.04	45.26	53.05	1.89	-2.96 *	69.37	62.20	2.44 *		50.63	44.85	2.71 *
Missing	10,940	43.84	42.33	51.08	1.44	-2.86 *	67.59	58.36	1.33		50.80	43.23	2.96 *
Number of adults in household													
1	35,290	54.86	54.01	60.59	1.51	-4.31 *	76.12	68.91	5.57 *		58.16	51.90	4.26 *
2	20,420	71.52	69.68	71.73	2.71 *	-0.13	84.00	77.04	5.03 *		68.48	67.46	0.56
3	5,520	72.18	70.60	77.81	1.26	-2.12 *	80.36	73.85	2.58 *		77.58	70.08	2.72 *
4 or more	1,840	72.08	69.04	72.48	1.25	-0.08	76.96	72.20	0.95		75.89	70.92	0.97
Missing	10,280	47.42	45.34	52.57	1.98	-2.31 *	75.42	67.41	2.13 *		51.51	44.97	2.79 *

See notes at end of table.

**Table 2.2.3. Screener response rate, by paper-sensitivity classification, experimental condition, and selected household characteristics: 2019–
Continued**

Selected household characteristics ²	Number of eligible households included in response rate calculation	All cases					Paper-sensitive cases ¹				Non-paper-sensitive cases ¹			
		Screener response rate (percentage)			<i>t</i> statistic		Screener response rate (percentage)		<i>t</i> statistic	Screener response rate (percentage)		<i>t</i> statistic		
		Modeled-mode condition	Baseline web-push condition	Random paper-only condition	Modeled-mode vs. baseline web-push	Modeled-mode vs. random paper-only	Paper-only protocol ³	Web-push protocol ³		Paper-only protocol ⁴	Web-push protocol ⁴			
Household flagged as having children														
Yes	14,190	61.17	59.90	64.33	1.62	-1.79	76.00	65.93	4.03	*	63.62	59.48	2.08	*
No	59,170	60.25	58.66	64.32	4.30	-4.68	80.56	74.07	6.96	*	61.16	55.96	5.17	*
Ability to match address to phone number														
Phone number available	49,420	64.86	63.21	69.47	3.72	-4.11	80.55	73.93	7.19	*	67.04	60.86	4.89	*
No phone number available	23,940	50.94	49.99	52.74	1.41	-1.14	76.60	66.86	4.17	*	51.40	49.04	1.47	
Route type														
Street	56,410	63.66	62.24	67.34	3.65	-3.63	80.17	73.13	7.79	*	64.89	59.94	4.41	*
P.O. box	510	60.30	56.65	‡	0.81	†	84.72	76.26	0.67		‡	56.91	†	
Rural route	20	‡	‡	‡	†	†	‡	‡	†		‡	‡	†	
High rise	16,420	48.54	47.02	53.55	1.86	-2.96	78.15	71.75	2.73	*	51.50	46.15	2.97	*
Dwelling type														
Single unit	54,770	64.19	62.86	68.04	3.40	-3.70	80.27	73.32	7.63	*	65.69	60.47	4.55	*
Multi-unit	18,070	48.19	46.38	52.37	2.27	-2.59	77.46	70.26	3.12	*	50.33	45.94	2.54	*
Missing	510	60.30	56.65	‡	0.81	†	84.72	76.26	0.67		‡	56.91	†	
Vacancy status														
Flagged as vacant	900	46.83	45.33	56.73	0.40	-1.32	55.76	37.82	1.13		58.66	46.50	1.53	
Not flagged as vacant	72,460	60.59	59.06	64.40	4.20	-4.43	80.07	73.15	7.80	*	61.72	56.83	5.09	*

See notes at end of table.

Table 2.2.3. Screener response rate, by paper-sensitivity classification, experimental condition, and selected household characteristics: 2019–Continued

Selected household characteristics ²	Number of eligible households included in response rate calculation	All cases					Paper-sensitive cases ¹				Non-paper-sensitive cases ¹		
		Screener response rate (percentage)			<i>t</i> statistic		Screener response rate (percentage)		<i>t</i> statistic		Screener response rate (percentage)		<i>t</i> statistic
		Modeled-mode condition	Baseline web-push condition	Random paper-only condition	Modeled-mode vs. baseline web-push	Modeled-mode vs. random paper-only	Paper-only protocol ³	Web-push protocol ³			Paper-only protocol ⁴	Web-push protocol ⁴	
Seasonal address type													
Seasonal or educational seasonal delivery	450	70.77	75.49	‡	-1.09	†	83.46	76.47	0.84		‡	67.40	†
No seasonal delivery	72,900	60.35	58.79	64.18	4.26 *	-4.43 *	79.97	72.97	7.79 *		61.52	56.62	5.03 *
Drop point address type													
Drop point	1,150	43.23	46.02	54.45	-0.87	-1.51	70.32	62.49	1.04		48.85	37.45	1.43
Not a drop point	72,200	60.69	59.09	64.47	4.38 *	-4.50 *	80.17	73.16	7.72 *		61.87	56.98	5.09 *
Census region													
Northeast	12,640	61.89	60.15	66.75	1.90	-2.36 *	80.78	74.40	3.41 *		64.22	58.28	2.60 *
South	29,380	56.69	55.28	61.17	2.08 *	-3.43 *	78.05	70.11	5.61 *		58.90	52.51	4.51 *
Midwest	15,070	66.46	64.10	69.56	2.90 *	-1.82	80.84	74.64	4.71 *		65.89	62.13	1.67
West	16,270	59.74	59.05	62.78	0.91	-1.81	83.13	76.32	3.21 *		60.89	57.60	1.93
Race/ethnicity stratum													
25% or more													
Black	13,980	47.38	45.30	53.10	2.15 *	-3.18 *	69.76	61.16	4.14 *		50.67	43.87	3.57 *
40% or more													
Hispanic	11,000	45.12	44.87	51.72	0.26	-2.83 *	72.57	64.10	3.23 *		50.81	41.56	3.66 *
Other	48,380	64.98	63.42	68.13	3.38 *	-3.25 *	82.22	75.63	6.63 *		65.41	61.41	3.64 *
Tract poverty rate													
20 percent or higher	21,130	48.23	45.80	54.83	3.07 *	-3.61 *	72.13	63.27	5.09 *		52.02	42.86	4.36 *
Below 20 percent	52,230	64.42	63.25	67.42	2.94 *	-2.97 *	83.11	76.77	6.19 *		64.74	61.05	3.42 *

See notes at end of table.

**Table 2.2.3. Screener response rate, by paper-sensitivity classification, experimental condition, and selected household characteristics: 2019–
Continued**

Selected household characteristics ²	Number of eligible households included in response rate calculation	All cases						Paper-sensitive cases ¹			Non-paper-sensitive cases ¹		
		Screener response rate (percentage)			<i>t</i> statistic			Screener response rate (percentage)		<i>t</i> statistic	Screener response rate (percentage)		<i>t</i> statistic
		Modeled-mode condition	Baseline web-push condition	Random paper-only condition	Modeled-mode vs. baseline web-push	Modeled-mode vs. random paper-only		Paper-only protocol ³	Web-push protocol ³		Paper-only protocol ⁴	Web-push protocol ⁴	
Extent of missing frame information ⁵													
High	13,730	48.78	47.50	53.59	1.51	-2.36 *		74.81	67.86	1.92	52.83	47.05	2.75 *
Medium	24,310	56.00	56.29	60.31	-0.42	-2.81 *		72.77	69.62	1.58	58.57	54.37	2.54 *
Low	35,310	67.72	65.08	70.91	5.30 *	-3.11 *		82.25	74.31	8.52 *	68.35	63.00	4.52 *
Census Low Response Score ⁶													
First quartile (low)	19,310	72.07	70.35	72.70	2.89 *	-0.47		85.03	79.12	4.24 *	70.36	69.14	0.74
Second quartile	18,440	64.76	63.21	69.51	2.22 *	-2.48 *		80.10	73.15	4.65 *	66.21	61.00	2.58 *
Third quartile	18,140	56.14	54.01	59.60	2.52 *	-2.68 *		77.03	69.86	4.35 *	57.19	52.58	3.05 *
Fourth quartile (high)	17,090	42.23	41.68	49.93	0.64	-3.87 *		69.50	60.72	3.47 *	49.45	39.58	4.75 *
Percent of persons in block without a high school diploma ⁷													
First quartile (low)	18,850	67.60	66.44	71.33	1.88	-2.56 *		85.67	81.82	2.08 *	70.08	65.85	2.76 *
Second quartile	18,470	64.80	63.60	67.72	1.77	-1.98		84.92	77.67	4.10 *	64.60	60.91	2.09 *
Third quartile	18,090	57.36	56.58	60.34	1.01	-1.84		79.47	73.10	4.42 *	55.76	51.58	2.26 *
Fourth quartile (high)	17,930	48.50	45.34	54.39	3.70 *	-3.24 *		72.04	63.18	4.64 *	50.67	42.55	3.81 *
Percent of persons in block group who are Black ⁷													
First quartile (low)	18,640	67.17	63.32	70.53	5.45 *	-2.09 *		83.74	74.22	7.31 *	66.94	62.72	2.38 *
Second quartile	18,660	64.60	64.38	68.39	0.34	-2.31 *		81.71	77.19	2.61 *	65.77	61.45	2.25 *
Third quartile	18,400	57.96	57.67	60.89	0.38	-1.64		79.74	72.71	3.91 *	59.31	54.79	2.29 *
Fourth quartile (high)	17,630	48.78	47.21	54.82	1.71	-3.41 *		69.97	64.67	2.86 *	52.55	45.35	3.55 *

See notes at end of table.

Table 2.2.3. Screener response rate, by paper-sensitivity classification, experimental condition, and selected household characteristics: 2019–Continued

Selected household characteristics ²	Number of eligible households included in response rate calculation	All cases					Paper-sensitive cases ¹				Non-paper-sensitive cases ¹		
		Screener response rate (percentage)			<i>t</i> statistic		Screener response rate (percentage)		<i>t</i> statistic		Screener response rate (percentage)		<i>t</i> statistic
		Modeled-mode condition	Baseline web-push condition	Random paper-only condition	Modeled-mode vs. baseline web-push	Modeled-mode vs. random paper-only	Paper-only protocol ³	Web-push protocol ³			Paper-only protocol ⁴	Web-push protocol ⁴	
Percent of persons in block group speaking a non-English language ⁷													
First quartile (low)	18,230	65.35	62.45	68.65	3.93 *	-2.44 *	80.12	72.23	6.17 *		63.82	59.92	2.53 *
Second quartile	18,340	64.50	64.00	67.36	0.67	-1.65	81.88	76.30	4.01 *		64.46	61.20	1.60
Third quartile	18,400	60.08	58.75	63.82	1.80	-2.38 *	80.56	73.14	4.00 *		62.82	57.67	3.18 *
Fourth quartile (high)	18,360	49.61	48.35	55.67	1.50	-3.36 *	73.41	67.09	2.49 *		55.08	47.67	3.76 *
Bilingual screener mailed ⁸													
Yes	54,040	57.65	56.43	61.96	2.63 *	-4.19 *	78.84	72.15	6.57 *		60.51	54.62	5.32 *
No	19,310	67.52	65.22	69.69	4.06 *	-1.39	81.49	74.05	5.36 *		64.92	62.84	1.07

† Not applicable.

‡ Reporting standards not met. Either there are too few cases for a reliable estimate or the coefficient of variation (CV) is 50 percent or greater.

* $p < 0.05$.

¹ A predictive model was used to classify cases into two groups: (1) paper-sensitive cases, which are the most likely to prefer to respond by paper (15 percent of cases) and (2) non-paper-sensitive cases, which do not have as much of a preference to respond by paper (85 percent of cases).

² Unless indicated otherwise, the selected characteristics are based on available frame variables.

³ When paper-sensitive cases were assigned to the modeled-mode condition, they received a paper-only protocol. When paper-sensitive cases were assigned to the baseline web-push condition, they received a web-push protocol.

⁴ When non-paper-sensitive cases were assigned to the modeled-mode condition, they received a web-push protocol. When non-paper-sensitive cases were assigned to the random paper-only condition, they received a paper-only protocol.

⁵ Extent of missing frame information was determined based on the number of variables for which the address was missing information on the frame. This analysis is limited to variables for which there is an explicit missing category (as opposed to variables for which a lack of data implies either a lack of the tract in question or that the information is missing). “High missing” cases are cases missing information for 4 or more frame variables, “medium missing” cases are cases missing information for 1 to 3 frame variables, and “low missing” cases are those that were not missing information for any of the frame variables.

⁶ The Census Low Response Score is a derived variable that identifies block groups with characteristics associated with low mail return rates to the 2010 Decennial Census. A higher low response score corresponds to a lower expected mail return rate. This variable was not available for a very small number of cases, and these cases have been excluded from this analysis. Cases that are in the first quartile are those that were expected to be the most likely to participate and those that are in the fourth quartile are those that were expected to be the least likely to participate.

⁷ Percentages are based on block-level American Community Survey data (2013-2017). Cases in the first quartile were those with the lowest prevalence of the characteristic in question and those that are in the fourth quartile are those with the highest prevalence.

⁸ Variable is from the NHES:2019 data collection operation files.

NOTE: Response rates were calculated using American Association for Public Opinion Research (AAPOR) Response Rate 1 (RR1). Percentages represent the proportion of sampled households (excluding undeliverable and out-of-scope addresses) that were respondents to the questionnaire. Unweighted eligible sample size was 32,970 for the modeled-mode condition, 36,700 for the baseline web-push

condition, and 3,680 for the random paper-only condition. Unweighted eligible sample size was 5,140 for paper-sensitive cases in the modeled-mode condition, 5,700 for paper-sensitive cases in the baseline web-push condition, 27,830 for non-paper-sensitive cases in the modeled-mode condition, and 3,110 for non-paper sensitive cases in the random paper-only condition. Sample sizes have been rounded to the nearest 10. Detail may not sum to totals because of rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Household Education Surveys Program (NHES), 2019. U.S. Census Bureau, American Community Survey (ACS), 2013-2017.

Table 2.2.4. Percentage of screener respondents who reported at least one child eligible for the topical surveys, by paper-sensitivity classification, experimental condition, and questionnaire: 2019

Questionnaire	All cases					Paper-sensitive cases ¹			Non-paper-sensitive cases ¹		
	Percentage reporting at least one eligible child			<i>t</i> statistic		Percentage reporting at least one eligible child			Percentage reporting at least one eligible child		
	Modeled-mode condition	Baseline web-push condition	Random paper-only condition	Modeled-mode vs. baseline web-push	Modeled-mode vs. random paper-only	Paper-only protocol ²	Web-push protocol ²		Paper-only protocol ³	Web-push protocol ³	<i>t</i> statistic
Overall	24.64	25.40	23.83	-1.77	0.90	9.61	9.92	-0.55	27.18	28.69	-1.39
ECPP	8.58	9.15	8.11	-1.74	0.79	2.76	2.77	-0.03	9.38	10.15	-1.15
PFI	20.26	20.91	20.07	-1.72	0.21	8.13	8.71	-1.02	22.92	23.53	-0.60

¹A predictive model was used to classify cases into two groups: (1) paper-sensitive cases, which are the most likely to prefer to respond by paper (15 percent of cases) and (2) non-paper-sensitive cases, which do not have as much of a preference to respond by paper (85 percent of cases).

²When paper-sensitive cases were assigned to the modeled-mode condition, they received a paper-only protocol. When paper-sensitive cases were assigned to the baseline web-push condition, they received a web-push protocol.

³When non-paper-sensitive cases were assigned to the modeled-mode condition, they received a web-push protocol. When non-paper-sensitive cases were assigned to the random paper-only condition, they received a paper-only protocol.

NOTE: Percentages represent the proportion of screener respondent households that reported at least one child on the screener who was eligible for a topical survey. Screener respondent households may have been eligible for more than one topical; as a result, the topical-specific results do not sum to the overall result. Unweighted eligible sample size was 19,340 for the modeled-mode condition, 20,980 for the baseline web-push condition, and 2,310 for the random paper-only condition. Unweighted eligible sample size was 4,070 for paper-sensitive cases in the modeled-mode condition, 4,100 for paper-sensitive cases in the baseline web-push condition, 15,270 for non-paper-sensitive cases in the modeled-mode condition, and 1,880 for non-paper sensitive cases in the random paper-only condition. Sample sizes have been rounded to the nearest 10.

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Household Education Surveys Program (NHES), 2019.

Table 2.2.5. Topical response rate, by paper-sensitivity classification, experimental condition, questionnaire, and response mode: 2019

Questionnaire and response mode	All cases					Paper-sensitive cases ¹			Non-paper-sensitive cases ¹		
	Topical response rate (percentage)			<i>t</i> statistic		Topical response rate (percentage)		<i>t</i> statistic	Topical response rate (percentage)		<i>t</i> statistic
	Modeled-mode condition	Baseline web-push condition	Random paper-only condition	Modeled-mode vs. baseline web-push	Modeled-mode vs. random paper-only	Paper-only protocol ²	Web-push protocol ²		Paper-only protocol ³	Web-push protocol ³	
ECPP											
Overall	83.44	84.03	72.12	-0.37	2.75 *	60.19	76.18	-1.47	71.98	84.90	-3.00 *
Web	94.56	92.92	†	1.15	†	†	96.46	†	†	94.56	†
Paper	66.31	67.25	71.94	-0.29	-1.22	60.19	50.78	0.60	71.79	67.38	0.92
Inbound telephone	‡	‡	‡	†	†	†	‡	†	‡	‡	†
PFI											
Overall	82.10	81.62	72.95	0.42	2.99 *	68.05	85.38	-3.85 *	73.44	83.25	-3.02 *
Web	93.36	92.53	†	0.76	†	†	93.32	†	†	93.36	†
Paper	65.70	62.64	72.95	1.29	-2.12 *	67.87	72.46	-0.78	73.44	65.21	2.18 *
Inbound telephone	97.21	90.19	†	1.08	†	‡	‡	†	†	97.10	†

† Not applicable.

‡ Reporting standards not met. Either there are too few cases for a reliable estimate or the coefficient of variation (CV) is 50 percent or greater.

* $p < 0.05$.

¹ A predictive model was used to classify cases into two groups: (1) paper-sensitive cases, which are the most likely to prefer to respond by paper (15 percent of cases) and (2) non-paper-sensitive cases, which do not have as much of a preference to respond by paper (85 percent of cases).

² When paper-sensitive cases were assigned to the modeled-mode condition, they received a paper-only protocol. When paper-sensitive cases were assigned to the baseline web-push condition, they received a web-push protocol.

³ When non-paper-sensitive cases were assigned to the modeled-mode condition, they received a web-push protocol. When non-paper-sensitive cases were assigned to the random paper-only condition, they received a paper-only protocol.

NOTE: Response rates were calculated using American Association for Public Opinion Research (AAPOR) Response Rate 1 (RR1). Percentages represent the proportion of eligible households that were respondents to the questionnaire. Unweighted eligible sample size for the ECPP response rate was 1,380 for the modeled-mode condition, 1,380 for the baseline web-push condition, and 110 for the random paper-only condition. Unweighted eligible sample size for the PFI response rate was 3,420 for the modeled-mode condition, 3,740 for the baseline web-push condition, and 410 for the random paper-only condition. Unweighted eligible sample size for the ECPP was 90 for paper-sensitive cases in the modeled-mode condition, 90 for paper-sensitive cases in the baseline web-push condition, 1,290 for non-paper-sensitive cases in the modeled-mode condition, and 140 for non-paper sensitive cases in the random paper-only condition. Unweighted eligible sample size for the PFI was 300 for paper-sensitive cases in the modeled-mode condition, 310 for paper-sensitive cases in the baseline web-push condition, 3,120 for non-paper-sensitive cases in the modeled-mode condition, and 380 for non-paper sensitive cases in the random paper-only condition. Sample sizes have been rounded to the nearest 10. Detail may not sum to totals due to rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Household Education Surveys Program (NHES), 2019.

Table 2.2.6. Overall response rate, by paper-sensitivity classification, experimental condition, questionnaire, and response mode: 2019

Questionnaire and response mode	All cases					Paper-sensitive cases ¹				Non-paper-sensitive cases ¹		
	Overall response rate (percentage)			<i>t</i> statistic		Overall response rate (percentage)		<i>t</i> statistic		Overall response rate (percentage)		<i>t</i> statistic
	Modeled-mode condition	Baseline web-push condition	Random paper-only condition	Modeled-mode vs. baseline web-push	Modeled-mode vs. random paper-only	Paper-only protocol ²	Web-push protocol ²			Paper-only protocol ³	Web-push protocol ³	
ECPP												
Overall	50.42	49.49	46.39	0.92	1.41	48.16	55.62	-0.97		44.40	48.13	-1.31
Web	27.58	32.42	†	-9.60 *	†	†	34.42	†		†	32.85	†
Paper	18.72	13.25	45.76	6.18 *	-9.57 *	47.20	13.46	5.60 *		43.76	12.57	11.20 *
Inbound telephone	3.03	4.19	‡	-5.73 *	†	#	‡	†		‡	3.30	†
PFI												
Overall	49.61	48.08	46.92	2.20 *	1.27	54.44	62.33	-2.14 *		45.30	47.19	-0.85
Web	27.23	32.28	†	-11.77 *	† †	†	33.29	†		†	32.43	†
Paper	18.55	12.34	46.40	10.18 *	-13.26 *	53.22	19.21	9.63 *		44.77	12.16	14.97 *
Inbound telephone	2.94	3.89	#	-3.23 *	25.85 *	‡	10.81	†		#	3.20	-24.55 *

† Not applicable.

Rounds to zero.

‡ Reporting standards not met. Either there are too few cases for a reliable estimate or the coefficient of variation (CV) is 50 percent or greater.

* $p < 0.05$.

¹ A predictive model was used to classify cases into two groups: (1) paper-sensitive cases, which are the most likely to prefer to respond by paper (15 percent of cases) and (2) non-paper-sensitive cases, which do not have as much of a preference to respond by paper (85 percent of cases).

² When paper-sensitive cases were assigned to the modeled-mode condition, they received a paper-only protocol. When paper-sensitive cases were assigned to the baseline web-push condition, they received a web-push protocol.

³ When non-paper-sensitive cases were assigned to the modeled-mode condition, they received a web-push protocol. When non-paper-sensitive cases were assigned to the random paper-only condition, they received a paper-only protocol.

NOTE: Response rates were calculated using American Association for Public Opinion Research (AAPOR) Response Rate 1 (RR1). Percentages represent the proportion of eligible households that were respondents to the questionnaire. Unweighted eligible sample size for the ECPP response rate was 32,970 for the modeled-mode condition, 36,700 for the baseline web-push condition, and 3,680 for the random paper-only condition. Unweighted eligible sample size for the PFI response rate was 32,970 for the modeled-mode condition, 36,700 for the baseline web-push condition, and 3,680 for the random paper-only condition. Unweighted eligible sample size for the ECPP was 5,140 for paper-sensitive cases in the modeled-mode condition, 5,700 for paper-sensitive cases in the baseline web-push condition, 27,830 for non-paper-sensitive cases in the modeled-mode condition, and 3,110 for non-paper sensitive cases in the random paper-only condition. Unweighted eligible sample size for the PFI was 5,140 for paper-sensitive cases in the modeled-mode condition, 5,700 for paper-sensitive cases in the baseline web-push condition, 27,830 for non-paper-sensitive cases in the modeled-mode condition, and 3,110 for non-paper sensitive cases in the random paper-only condition. Sample sizes have been rounded to the nearest 10. Detail may not sum to totals due to rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Household Education Surveys Program (NHES), 2019.

Table 2.2.7. ECPP overall response rate, by experimental condition and selected household characteristics: 2019

Selected household characteristics ²	Number of eligible screener households included in response rate calculation	All cases					Paper-sensitive cases ¹			Non-paper-sensitive cases ¹		
		ECPP overall response rate (percentage)			<i>t</i> statistic		ECPP overall response rate (percentage)		<i>t</i> statistic	ECPP overall response rate (percentage)		<i>t</i> statistic
		Modeled-mode condition	Baseline web-push condition	Random paper-only condition	Modeled-mode vs. baseline web-push	Modeled-mode vs. random paper-only	Paper-only protocol ³	Web-push protocol ³		Paper-only protocol ⁴	Web-push protocol ⁴	
Gender of head of household												
Male	24,910	53.68	51.94	53.08	1.01	0.15	47.28	67.89	-1.76	51.17	51.47	-0.07
Female	21,790	51.71	51.26	45.56	0.21	0.96	46.38	58.66	-1.47	42.02	48.15	-0.95
Missing	26,650	46.04	45.74	39.67	0.19	1.19	49.80	39.12	0.62	39.11	45.34	-1.16
Age of head of household												
18-34	6,270	41.92	44.26	46.43	-1.08	-0.82	39.66	46.29	-0.44	47.16	41.69	1.01
35-44	8,820	47.83	46.41	39.92	0.74	1.30	33.43	‡	†	40.17	48.01	-1.28
45-54	10,600	45.88	46.47	51.34	-0.17	-0.78	‡	56.61	†	50.48	46.21	0.61
55-65	12,810	57.91	53.48	46.26	1.00	0.94	50.23	62.69	-1.10	45.37	59.64	-1.12
Over 65	14,490	63.82	64.78	44.82	-0.21	1.79	60.30	63.70	-0.35	‡	65.41	†
Missing	20,380	37.44	36.84	37.40	0.39	0.01	‡	39.43	†	37.15	37.61	-0.09
Marital status of head of household												
Single	24,290	45.31	44.35	40.18	0.53	0.93	45.78	56.07	-1.25	38.92	42.40	-0.64
Married	37,210	56.82	56.66	51.27	0.12	1.42	49.68	54.18	-0.35	48.96	54.78	-1.42
Missing	11,850	39.36	36.29	43.30	1.14	-0.66	‡	58.67	†	42.04	38.56	0.59
Race/ethnicity of head of household												
White	35,780	58.30	56.94	60.81	0.89	-0.72	49.95	57.52	-0.75	57.96	56.22	0.48
Black	8,040	38.76	36.65	18.19	0.61	2.36 *	49.81	46.35	0.21	‡	35.90	†
Hispanic	8,560	35.13	38.13	33.56	-1.34	0.25	‡	44.14	†	33.43	33.67	-0.04
Asian/Pacific Islander or Other	2,920	51.04	52.14	32.54	-0.34	1.15	‡	‡	†	32.78	51.04	-1.13
Missing	18,060	44.01	42.85	43.28	0.54	0.11	44.42	52.64	-0.44	42.56	43.17	-0.09

See notes at end of table.

Table 2.2.7. ECPP overall response rate, by experimental condition and selected household characteristics: 2019–Continued

Selected household characteristics ²	Number of eligible screener households included in response rate calculation	All cases					Paper-sensitive cases ¹			Non-paper-sensitive cases ¹		
		ECPP overall response rate (percentage)			<i>t</i> statistic		ECPP overall response rate (percentage)		<i>t</i> statistic	ECPP overall response rate (percentage)		<i>t</i> statistic
		Modeled-mode condition	Baseline web-push condition	Random paper-only condition	Modeled-mode vs. baseline web-push	Modeled-mode vs. random paper-only	Paper-only protocol ³	Web-push protocol ³		Paper-only protocol ⁴	Web-push protocol ⁴	
Highest education level of head household												
Less than high school diploma	7,830	40.14	38.47	52.84	0.67	-2.61 *	42.94	48.62	-0.35	49.05	35.03	2.72 *
High school diploma	16,210	53.21	48.44	42.86	1.66	1.28	55.58	50.63	0.39	36.39	47.04	-1.41
Some college	15,670	50.19	49.76	39.54	0.23	1.84	45.36	72.54	-1.79	38.46	48.12	-1.71
Bachelor's degree	10,460	60.38	58.45	56.57	0.81	0.60	‡	‡	†	56.19	59.47	-0.51
Graduate degree	6,690	56.49	62.48	59.99	-1.61	-0.40	‡	76.71	†	60.35	56.93	0.40
Missing	16,490	43.34	42.86	41.81	0.23	0.22	43.82	51.52	-0.41	41.43	42.64	-0.17
Household income												
Less than \$25,000	11,870	43.23	39.83	36.38	1.40	0.78	55.30	47.52	0.65	33.20	38.40	-0.59
\$25,000-\$49,999	15,860	50.99	47.40	34.74	1.49	1.97 *	53.98	63.79	-1.13	33.26	46.16	-1.64
\$50,000-\$74,999	10,630	52.40	54.52	42.57	-0.76	1.46	51.47	68.53	-0.84	37.53	49.54	-1.44
\$75,000-\$99,999	8,740	53.30	58.40	51.92	-1.42	0.18	28.74	‡	†	49.68	53.74	-0.53
\$100,000-\$149,999	8,990	57.27	54.95	59.19	1.16	-0.39	48.10	53.74	-0.20	59.33	56.47	0.57
\$150,000 or more	6,890	61.67	58.50	61.59	1.07	0.01	#	#	#	59.79	60.56	-0.09
Missing	10,370	38.79	38.58	34.05	0.08	0.53	41.51	49.55	-0.37	33.36	37.63	-0.49
Home tenure												
Own	47,280	57.09	57.72	54.87	-0.51	0.62	50.04	59.39	-1.09	53.07	55.19	-0.57
Rent	15,140	38.80	35.05	28.20	1.83	1.62	36.03	40.16	-0.21	27.32	37.38	-1.63
Missing	10,940	35.86	33.38	37.30	1.02	-0.17	‡	‡	†	37.10	35.58	0.18
Number of adults in household												
1	35,290	45.50	43.90	41.28	1.11	1.08	39.27	56.96	-1.89	40.18	43.75	-0.91
2	20,420	60.66	61.08	59.47	-0.20	0.25	55.26	52.78	0.14	56.45	58.30	-0.41
3	5,520	63.78	59.84	52.12	0.94	0.90	67.91	59.58	0.50	46.30	62.08	-1.02
4 or more	1,840	50.49	55.41	72.48	-0.45	-2.47 *	‡	60.95	†	‡	50.45	†
Missing	10,280	38.63	38.42	34.13	0.08	0.50	41.51	49.55	-0.37	33.44	37.45	-0.45

See notes at end of table.

Table 2.2.7. ECPP overall response rate, by experimental condition and selected household characteristics: 2019–Continued

Selected household characteristics ²	Number of eligible screener households included in response rate calculation	All cases					Paper-sensitive cases ¹			Non-paper-sensitive cases ¹		
		ECPP overall response rate (percentage)			<i>t</i> statistic		ECPP overall response rate (percentage)		<i>t</i> statistic	ECPP overall response rate (percentage)		<i>t</i> statistic
		Modeled-mode condition	Baseline web-push condition	Random paper-only condition	Modeled-mode vs. baseline web-push	Modeled-mode vs. random paper-only	Paper-only protocol ³	Web-push protocol ³		Paper-only protocol ⁴	Web-push protocol ⁴	
Household flagged as having children												
Yes	14,190	52.65	49.69	42.06	1.46	1.64	64.35	‡	†	41.71	51.23	-1.44
No	59,170	49.76	49.49	47.97	0.22	0.54	45.08	60.13	-2.20 *	45.51	47.29	-0.53
Ability to match address to phone number												
Phone number available	49,420	53.00	53.87	52.17	-0.62	0.22	46.67	58.17	-1.31	50.37	50.96	-0.15
No phone number available	23,940	43.92	41.10	34.92	2.13 *	2.36 *	53.46	41.08	0.74	34.03	42.52	-2.26 *
Route type												
Street	56,410	52.76	52.46	49.13	0.28	1.19	48.50	55.72	-0.91	47.27	50.62	-1.09
P.O. box	510	60.30	49.91	‡	1.23	†	‡	‡	†	‡	56.91	†
Rural route	20	‡	‡	‡	†	†	‡	†	†	‡	‡	†
High rise	16,420	42.00	38.63	35.98	1.41	0.78	‡	‡	†	34.61	40.23	-0.76
Dwelling type												
Single unit	54,770	53.33	53.10	49.54	0.21	1.24	48.56	55.54	-0.87	47.75	51.22	-1.13
Multi-unit	18,070	40.95	37.80	35.73	1.45	0.71	‡	60.76	†	34.34	39.28	-0.70
Missing	510	60.30	49.91	‡	1.23	†	‡	‡	†	‡	56.91	†
Vacancy status												
Flagged as vacant	900	36.51	45.33	‡	-1.28	†	‡	‡	†	‡	37.86	†
Not flagged as vacant	72,460	50.59	49.56	46.45	1.02	1.42	48.52	55.73	-0.93	44.43	48.27	-1.33

See notes at end of table.

Table 2.2.7. ECPP overall response rate, by experimental condition and selected household characteristics: 2019–Continued

Selected household characteristics ²	Number of eligible screener households included in response rate calculation	All cases					Paper-sensitive cases ¹			Non-paper-sensitive cases ¹		
		ECPP overall response rate (percentage)			<i>t</i> statistic		ECPP overall response rate (percentage)		<i>t</i> statistic	ECPP overall response rate (percentage)		<i>t</i> statistic
		Modeled-mode condition	Baseline web-push condition	Random paper-only condition	Modeled-mode vs. baseline web-push	Modeled-mode vs. random paper-only	Paper-only protocol ³	Web-push protocol ³		Paper-only protocol ⁴	Web-push protocol ⁴	
Seasonal address type												
Seasonal or educational seasonal delivery	450	‡	‡	‡	†	†	#	#	#	‡	‡	†
No seasonal delivery	72,900	50.44	49.39	46.29	1.06	1.46	48.14	55.59	-0.97	44.28	48.15	-1.36
Drop point address type												
Drop point	1,150	35.95	41.03	‡	-0.86	†	‡	‡	†	‡	33.77	†
Not a drop point	72,200	50.64	49.62	46.76	1.01	1.35	48.73	55.63	-0.90	44.66	48.35	-1.28
Census region												
Northeast	12,640	51.51	52.42	49.03	-0.40	0.32	49.21	55.46	-0.32	46.08	49.68	-0.47
South	29,380	47.78	45.54	41.49	1.40	1.36	53.53	49.96	0.26	39.56	44.62	-1.09
Midwest	15,070	54.09	52.42	59.41	0.70	-0.99	43.95	60.22	-1.53	58.14	52.67	1.06
West	16,270	50.39	51.01	39.19	-0.33	1.55	53.87	63.27	-0.42	37.26	48.76	-1.61
Race/ethnicity stratum												
25% or more Black	13,980	40.23	36.57	29.67	1.79	1.85	49.07	57.60	-0.90	30.36	37.71	-1.21
40% or more Hispanic	11,000	35.23	37.32	29.49	-0.98	0.91	43.58	44.85	-0.05	28.33	32.62	-0.67
Other	48,380	54.58	53.70	54.84	0.70	-0.08	48.25	56.52	-0.90	52.13	52.64	-0.16
Tract poverty rate												
20 percent or higher	21,130	38.39	35.12	31.25	1.62	1.17	36.99	59.60	-2.29 *	31.00	35.28	-0.71
Below 20 percent	52,230	54.43	54.45	51.44	-0.01	0.97	53.47	51.88	0.16	48.75	52.25	-1.10

See notes at end of table.

Table 2.2.7. ECPP overall response rate, by experimental condition and selected household characteristics: 2019–Continued

Selected household characteristics ²	Number of eligible screener households included in response rate calculation	All cases					Paper-sensitive cases ¹			Non-paper-sensitive cases ¹		
		ECPP overall response rate (percentage)			<i>t</i> statistic		ECPP overall response rate (percentage)		<i>t</i> statistic	ECPP overall response rate (percentage)		<i>t</i> statistic
		Modeled-mode condition	Baseline web-push condition	Random paper-only condition	Modeled-mode vs. baseline web-push	Modeled-mode vs. random paper-only	Paper-only protocol ³	Web-push protocol ³		Paper-only protocol ⁴	Web-push protocol ⁴	
Extent of missing frame information ⁵												
High	13,730	40.37	40.01	39.96	0.16	0.06	41.17	49.88	-0.40	39.39	39.55	-0.02
Medium	24,310	46.93	45.92	36.04	0.65	2.30 *	42.43	44.03	-0.08	34.99	46.10	-2.36 *
Low	35,310	56.43	56.11	55.46	0.21	0.23	50.87	62.22	-1.59	53.29	53.75	-0.11
Census Low Response Score ⁶												
First quartile (low)	19,310	59.98	61.45	59.06	-0.72	0.16	44.82	60.63	-1.16	56.86	58.77	-0.32
Second quartile	18,440	53.13	54.27	61.10	-0.61	-1.90	45.35	51.96	-0.47	57.88	51.46	1.52
Third quartile	18,140	48.39	44.25	38.01	2.21 *	1.66	63.33	65.10	-0.21	36.94	45.44	-1.43
Fourth quartile (high)	17,090	34.83	32.59	22.74	1.25	2.21 *	37.31	49.49	-0.75	22.22	33.09	-1.90
Percent of persons in block group without a high school diploma ⁷												
First quartile (low)	18,850	58.54	58.89	58.41	-0.22	0.03	64.48	56.13	0.39	57.39	57.19	0.04
Second quartile	18,470	54.52	54.59	55.82	-0.04	-0.26	67.52	54.74	0.78	52.47	51.35	0.21
Third quartile	18,090	47.69	46.27	41.94	0.61	1.10	42.45	51.61	-0.63	39.14	44.51	-1.08
Fourth quartile (high)	17,930	38.21	35.23	29.49	1.43	1.48	39.07	53.90	-1.49	27.49	34.75	-1.26
Percent of persons in block group who are Black ⁷												
First quartile (low)	18,640	53.41	54.29	62.57	-0.39	-2.00 *	42.15	64.09	-2.18 *	58.35	51.55	1.41
Second quartile	18,660	55.20	54.76	49.37	0.21	1.24	49.44	60.64	-0.69	47.13	53.35	-1.34
Third quartile	18,400	49.25	49.06	41.85	0.10	1.30	50.22	‡	†	41.21	47.03	-1.08
Fourth quartile (high)	17,630	41.12	36.93	31.70	1.92	1.67	56.14	61.61	-0.72	31.50	38.35	-1.18

See notes at end of table.

Table 2.2.7. ECPP overall response rate, by experimental condition and selected household characteristics: 2019–Continued

Selected household characteristics ²	Number of eligible screener households included in response rate calculation	All cases					Paper-sensitive cases ¹			Non-paper-sensitive cases ¹		
		ECPP overall response rate (percentage)			<i>t</i> statistic		ECPP overall response rate (percentage)		<i>t</i> statistic	ECPP overall response rate (percentage)		<i>t</i> statistic
		Modeled-mode condition	Baseline web-push condition	Random paper-only condition	Modeled-mode vs. baseline web-push	Modeled-mode vs. random paper-only	Paper-only protocol ³	Web-push protocol ³		Paper-only protocol ⁴	Web-push protocol ⁴	
Percent of persons in block group speaking a non-English language ⁷												
First quartile (low)	18,230	53.15	51.42	53.68	0.72	-0.10	51.64	53.58	-0.18	50.25	49.85	0.07
Second quartile	18,340	55.94	57.61	56.87	-0.89	-0.19	52.16	64.26	-0.91	55.13	53.89	0.26
Third quartile	18,400	50.95	48.53	46.76	1.28	0.69	45.10	57.68	-0.65	45.82	49.40	-0.61
Fourth quartile (high)	18,360	40.10	39.05	33.10	0.57	1.31	28.38	49.55	-1.27	32.50	39.12	-1.24
Bilingual screener mailed ⁸												
Yes	54,040	48.85	47.13	42.10	1.65	2.03 *	46.94	59.56	-1.48	40.85	46.89	-1.78
No	19,310	53.88	55.69	59.71	-0.80	-1.12	49.64	52.93	-0.28	57.14	51.57	1.08

† Not applicable.

Rounds to zero.

‡ Reporting standards not met. Either there are too few cases for a reliable estimate or the coefficient of variation (CV) is 50 percent or greater.

**p* < 0.05.¹A predictive model was used to classify cases into two groups: (1) paper-sensitive cases, which are the most likely to prefer to respond by paper (15 percent of cases) and (2) non-paper-sensitive cases, which do not have as much of a preference to respond by paper (85 percent of cases).²Unless indicated otherwise, the selected characteristics are based on available frame variables.³When paper-sensitive cases were assigned to the modeled-mode condition, they received a paper-only protocol. When paper-sensitive cases were assigned to the baseline web-push condition, they received a web-push protocol.⁴When non-paper-sensitive cases were assigned to the modeled-mode condition, they received a web-push protocol. When non-paper-sensitive cases were assigned to the random paper-only condition, they received a paper-only protocol.⁵Extent of missing frame information was determined based on the number of variables for which the address was missing information on the frame. This analysis is limited to variables for which there is an explicit missing category (as opposed to variables for which a lack of data implies either a lack of the tract in question or that the information is missing). “High missing” cases are cases missing information for 4 or more frame variables, “medium missing” cases are cases missing information for 1 to 3 frame variables, and “low missing” cases are those that were not missing information for any of the frame variables.⁶The Census Low Response Score is a derived variable that identifies block groups with characteristics associated with low mail return rates to the 2010 Decennial Census. A higher low response score corresponds to a lower expected mail return rate. This variable was not available for a very small number of cases, and these cases have been excluded from this analysis. Cases that are in the first quartile are those that were expected to be the most likely to participate and those that are in the fourth quartile are those that were expected to be the least likely to participate.⁷Percentages are based on block-level American Community Survey data (2013-2017). Cases in the first quartile were those with the lowest prevalence of the characteristic in question and those that are in the fourth quartile are those with the highest prevalence.

⁸Variable is from the NHES:2019 data collection operation files.

NOTE: ECPP is Early Childhood Program Participation topical survey. The overall response rate is the product of the screener response rate and the topical response rate. Screener and topical response rates were calculated using American Association for Public Opinion Research (AAPOR) Response Rate 1 (RR1). Unweighted eligible sample was 32,970 for the modeled-mode condition, 36,700 for the baseline web-push condition, and 3,680 for the random paper-only condition. Unweighted eligible sample size was 5,140 for paper-sensitive cases in the modeled-mode condition, 5,700 for paper-sensitive cases in the baseline web-push condition, 27,830 for non-paper-sensitive cases in the modeled-mode condition, and 3,110 for non-paper sensitive cases in the random paper-only condition. Sample sizes have been rounded to the nearest 10. Detail may not sum to totals due to rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Household Education Surveys Program (NHES), 2019. U.S. Census Bureau, American Community Survey (ACS), 2013-2017.

Table 2.2.8. PFI overall response rate, by experimental condition and selected household characteristics: 2019

Selected household characteristics ²	Number of eligible screener households included in response rate calculation	All cases					Paper-sensitive cases ¹			Non-paper-sensitive cases ¹		
		PFI overall response rate (percentage)			<i>t</i> statistic		PFI overall response rate (percentage)		<i>t</i> statistic	PFI overall response rate (percentage)		<i>t</i> statistic
		Modeled-mode condition	Baseline web-push condition	Random paper-only condition	Modeled-mode vs. baseline web-push	Modeled-mode vs. random paper-only	Paper-only protocol ³	Web-push protocol ³		Paper-only protocol ⁴	Web-push protocol ⁴	
Gender of head of household												
Male	24,910	53.66	51.89	48.78	1.50	1.37	56.33	65.37	-1.37	47.44	51.33	-1.11
Female	21,790	50.49	50.58	46.65	-0.06	0.89	55.21	60.10	-0.93	45.65	46.28	-0.14
Missing	26,650	44.94	42.27	45.95	1.94	-0.34	47.53	61.99	-1.71	43.79	44.28	-0.16
Age of head of household												
18-34	6,270	37.98	39.87	45.22	-0.71	-1.23	30.17	53.54	-2.26 *	44.92	38.68	1.07
35-44	8,820	45.92	43.04	43.26	1.99 *	0.62	43.11	47.76	-0.46	43.92	46.05	-0.48
45-54	10,600	51.12	50.25	46.33	0.53	1.26	56.12	51.37	0.67	46.00	50.53	-1.15
55-65	12,810	58.30	57.18	67.52	0.46	-2.40 *	55.16	59.39	-0.62	68.81	58.57	2.63 *
Over 65	14,490	59.93	64.80	59.63	-1.35	0.03	55.87	64.96	-1.46	77.28	62.15	2.65 *
Missing	20,380	36.08	34.63	31.55	1.12	0.96	45.60	49.87	-0.18	29.97	35.80	-1.17
Marital status of head of household												
Single	24,290	41.08	41.84	39.68	-0.45	0.26	43.28	59.04	-2.41 *	37.78	38.57	-0.14
Married	37,210	56.93	55.34	53.13	1.80	1.59	61.28	64.87	-0.79	51.67	54.56	-1.13
Missing	11,850	40.08	34.71	39.12	2.37 *	0.19	64.52	60.68	0.24	38.72	39.10	-0.08
Race/ethnicity of head of household												
White	35,780	57.74	55.70	50.63	1.93	2.31 *	57.48	65.00	-1.71	49.33	55.35	-1.92
Black	8,040	38.18	34.76	32.56	1.36	0.88	35.45	54.10	-2.07 *	32.48	36.10	-0.56
Hispanic	8,560	34.45	37.76	41.30	-1.94	-1.38	63.96	60.96	0.41	41.38	32.86	1.71
Asian/Pacific Islander or Other	2,920	44.60	52.35	46.87	-2.38 *	-0.29	‡	58.63	†	47.95	44.56	0.42
Missing	18,060	44.48	40.44	44.85	2.42 *	-0.10	51.36	49.69	0.13	42.39	43.52	-0.28

See notes at end of table.

Table 2.2.8. PFI overall response rate, by experimental condition and selected household characteristics: 2019–Continued

Selected household characteristics ²	Number of eligible screener households included in response rate calculation	All cases					Paper-sensitive cases ¹			Non-paper-sensitive cases ¹		
		PFI overall response rate (percentage)			<i>t</i> statistic		PFI overall response rate (percentage)		<i>t</i> statistic	PFI overall response rate (percentage)		<i>t</i> statistic
		Modeled-mode condition	Baseline web-push condition	Random paper-only condition	Modeled-mode vs. baseline web-push	Modeled-mode vs. random paper-only	Paper-only protocol ³	Web-push protocol ³		Paper-only protocol ⁴	Web-push protocol ⁴	
Highest education level of head household												
Less than high school diploma	7,830	37.72	36.29	44.14	0.65	-1.31	45.63	52.59	-0.78	41.15	33.24	1.74
High school diploma	16,210	49.41	50.75	36.77	-0.72	2.32 *	52.24	65.16	-2.21 *	32.92	44.16	-1.96 *
Some college	15,670	49.95	47.49	48.05	1.53	0.44	57.72	65.28	-0.98	46.81	47.76	-0.22
Bachelor's degree	10,460	58.83	57.31	54.64	0.89	1.00	73.75	57.90	1.02	54.83	57.58	-0.67
Graduate degree	6,690	60.89	62.50	61.88	-0.70	-0.19	82.11	75.17	0.88	61.62	59.54	0.41
Missing	16,490	42.62	39.06	45.14	1.98 *	-0.65	52.59	54.87	-0.19	43.04	41.64	0.34
Household income												
Less than \$25,000	11,870	40.90	41.09	32.86	-0.09	1.05	44.64	53.00	-1.07	28.41	37.11	-1.14
\$25,000-\$49,999	15,860	47.20	46.74	40.65	0.23	1.48	51.70	68.27	-2.61 *	39.15	42.87	-0.86
\$50,000-\$74,999	10,630	51.85	51.00	47.73	0.41	0.70	49.69	66.23	-1.37	46.53	49.52	-0.52
\$75,000-\$99,999	8,740	56.79	55.87	56.10	0.38	0.16	70.35	66.79	0.44	54.86	54.79	0.02
\$100,000-\$149,999	8,990	55.04	53.11	54.12	1.19	0.21	63.54	58.09	0.54	57.15	54.17	0.70
\$150,000 or more	6,890	60.74	59.13	59.79	0.78	0.18	66.01	76.62	-0.59	58.30	59.75	-0.28
Missing	10,370	39.08	33.33	41.04	2.53 *	-0.36	57.56	52.72	0.45	37.32	37.35	-0.01
Home tenure												
Own	47,280	57.48	55.84	53.94	2.04 *	1.60	57.32	63.78	-1.78	53.08	55.31	-0.96
Rent	15,140	34.45	34.11	33.55	0.19	0.15	35.64	56.03	-1.83	32.53	33.30	-0.12
Missing	10,940	35.08	31.79	35.29	1.55	-0.04	42.56	‡	†	33.07	34.74	-0.29
Number of adults in household												
1	35,290	42.70	41.92	44.50	0.65	-0.49	44.01	57.05	-1.76	43.48	41.00	0.68
2	20,420	61.48	60.33	49.94	1.01	3.63 *	60.09	66.60	-1.11	49.21	58.90	-2.84 *
3	5,520	60.72	61.48	59.17	-0.27	0.19	58.55	67.88	-1.00	57.37	59.81	-0.27
4 or more	1,840	61.83	57.72	60.72	0.83	0.08	56.87	65.15	-0.69	54.15	62.45	†
Missing	10,280	38.92	33.35	41.15	2.40 *	-0.40	57.56	52.72	0.45	37.41	37.15	0.04

See notes at end of table.

Table 2.2.8. PFI overall response rate, by experimental condition and selected household characteristics: 2019–Continued

Selected household characteristics ²	Number of eligible screener households included in response rate calculation	All cases						Paper-sensitive cases ¹			Non-paper-sensitive cases ¹		
		PFI overall response rate (percentage)			<i>t</i> statistic		PFI overall response rate (percentage)		<i>t</i> statistic		PFI overall response rate (percentage)		<i>t</i> statistic
		Modeled-mode condition	Baseline web-push condition	Random paper-only condition	Modeled-mode vs. baseline web-push	Modeled-mode vs. random paper-only	Paper-only protocol ³	Web-push protocol ³			Paper-only protocol ⁴	Web-push protocol ⁴	
Household flagged as having children													
Yes	14,190	50.85	50.56	49.43	0.23	0.53	52.99	56.66	-0.59		48.93	49.98	-0.37
No	59,170	49.04	46.67	45.42	2.51 *	1.20	54.11	62.96	-1.90		43.65	46.28	-0.86
Ability to match address to phone number													
Phone number available	49,420	53.76	51.57	48.98	2.40 *	1.76	52.91	63.18	-2.44 *		47.86	51.43	-1.23
No phone number available	23,940	40.78	40.85	42.13	-0.05	-0.43	60.14	56.62	0.45		40.67	39.30	0.43
Route type													
Street	56,410	52.82	51.15	48.77	2.20 *	1.86	55.59	62.52	-1.91		47.18	50.44	-1.42
P.O. box	510	53.28	28.05	‡	1.80	†	‡	‡	†		‡	49.93	†
Rural route	20	‡	‡	‡	†	†	‡	†	†		‡	‡	†
High rise	16,420	35.81	37.05	41.17	-0.64	-1.24	‡	57.01	†		40.48	34.66	1.40
Dwelling type													
Single unit	54,770	53.21	51.78	49.54	1.89	1.66	55.66	62.65	-1.93		47.99	50.85	-1.22
Multi-unit	18,070	36.59	36.24	38.71	0.18	-0.52	‡	57.32	†		38.18	35.42	0.70
Missing	510	53.28	28.05	‡	1.80	†	‡	‡	†		‡	49.93	†
Vacancy status													
Flagged as vacant	900	37.70	24.03	‡	1.88	†	‡	‡	†		‡	37.44	†
Not flagged as vacant	72,460	49.76	48.44	46.96	1.92	1.31	54.49	62.44	-2.16 *		45.30	47.33	-0.91

See notes at end of table.

Table 2.2.8. PFI overall response rate, by experimental condition and selected household characteristics: 2019—Continued

Selected household characteristics ²	Number of eligible screener households included in response rate calculation	All cases					Paper-sensitive cases ¹				Non-paper-sensitive cases ¹		
		PFI overall response rate (percentage)			<i>t</i> statistic		PFI overall response rate (percentage)		<i>t</i> statistic		PFI overall response rate (percentage)		<i>t</i> statistic
		Modeled-mode condition	Baseline web-push condition	Random paper-only condition	Modeled-mode vs. baseline web-push	Modeled-mode vs. random paper-only	Paper-only protocol ³	Web-push protocol ³			Paper-only protocol ⁴	Web-push protocol ⁴	
Seasonal address type													
Seasonal or educational seasonal delivery	450	‡	‡	‡	†	†	#	#	#		‡	‡	†
No seasonal delivery	72,900	49.55	47.98	46.82	2.28 *	1.29	54.42	62.30	-2.14 *		45.18	47.13	-0.88
Drop point address type													
Drop point	1,150	32.34	41.08	‡	-1.61	†	48.92	49.80	-0.04		‡	28.34	†
Not a drop point	72,200	49.87	48.18	47.12	2.37 *	1.28	54.53	62.52	-2.12 *		45.50	47.47	-0.88
Census region													
Northeast	12,640	49.76	47.95	52.53	1.03	-0.69	57.96	62.31	-0.53		49.92	47.19	0.65
South	29,380	45.87	43.90	43.27	1.69	0.79	50.55	58.71	-1.40		41.45	43.13	-0.51
Midwest	15,070	56.75	54.14	44.95	1.52	1.91	56.37	63.84	-1.16		43.24	54.55	-1.66
West	16,270	48.80	49.46	51.35	-0.39	-0.70	55.43	70.86	-1.35		50.83	47.34	0.99
Race/ethnicity stratum													
25% or more Black	13,980	35.71	33.74	37.54	1.14	-0.44	40.15	47.77	-0.81		36.28	33.59	0.65
40% or more Hispanic	11,000	34.51	35.25	44.38	-0.44	-2.89 *	58.71	41.15	1.58		43.97	31.71	3.56 *
Other	48,380	54.54	52.72	48.71	2.04 *	2.13 *	56.11	66.74	-2.57 *		46.91	52.42	-1.92
Tract poverty rate													
20 percent or higher	21,130	36.64	33.99	38.91	1.82	-0.51	46.01	51.32	-0.85		37.71	33.12	0.99
Below 20 percent	52,230	53.92	52.95	49.63	1.24	1.86	57.81	66.76	-1.98 *		47.74	51.75	-1.70

See notes at end of table.

Table 2.2.8. PFI overall response rate, by experimental condition and selected household characteristics: 2019–Continued

Selected household characteristics ²	Number of eligible screener households included in response rate calculation	All cases						Paper-sensitive cases ¹			Non-paper-sensitive cases ¹		
		PFI overall response rate (percentage)			<i>t</i> statistic			PFI overall response rate (percentage)		<i>t</i> statistic	PFI overall response rate (percentage)		<i>t</i> statistic
		Modeled-mode condition	Baseline web-push condition	Random paper-only condition	Modeled-mode vs. baseline web-push	Modeled-mode vs. random paper-only		Paper-only protocol ³	Web-push protocol ³		Paper-only protocol ⁴	Web-push protocol ⁴	
Extent of missing frame information ⁵													
High	13,730	40.45	35.85	41.70	2.43	*	-0.29	57.10	53.07	0.38	39.06	39.23	-0.04
Medium	24,310	45.12	44.65	40.87	0.34		0.95	40.63	59.76	-2.15	40.87	44.39	-0.78
Low	35,310	56.12	54.97	52.50	1.14		1.35	57.62	64.00	-1.50	51.39	53.11	-0.59
Census Low Response Score ⁶													
First quartile (low)	19,310	63.35	58.54	59.08	3.57	*	1.29	64.98	71.72	-1.16	57.00	61.44	-1.25
Second quartile	18,440	52.59	54.20	50.40	-1.17		0.46	52.20	62.84	-1.76	47.87	50.53	-0.57
Third quartile	18,140	45.03	43.41	37.47	1.07		1.67	41.79	54.75	-1.44	36.71	43.17	-1.41
Fourth quartile (high)	17,090	31.22	30.85	37.34	0.26		-1.72	47.71	50.88	-0.42	37.81	29.37	2.33
Percent of persons in block group without a high school diploma ⁷													
First quartile (low)	18,850	57.72	56.56	54.76	0.92		0.71	49.38	75.05	-2.45	53.80	56.76	-0.71
Second quartile	18,470	54.41	52.28	48.24	1.34		1.59	62.06	66.70	-0.68	46.75	51.74	-1.31
Third quartile	18,090	45.48	46.04	43.75	-0.33		0.33	51.40	64.89	-1.93	39.05	41.95	-0.54
Fourth quartile (high)	17,930	37.72	34.66	38.57	2.19	*	-0.22	52.07	47.95	0.72	37.39	33.32	1.07
Percent of persons in block group who are Black ⁷													
First quartile (low)	18,640	56.28	51.82	47.05	2.89	*	2.20	55.74	63.38	-1.18	43.88	53.83	-2.35
Second quartile	18,660	54.13	53.52	58.57	0.39		-1.40	54.34	67.96	-2.03	56.66	52.40	1.36
Third quartile	18,400	48.02	48.17	43.19	-0.11		1.30	61.57	62.63	-0.15	43.12	45.54	-0.66
Fourth quartile (high)	17,630	36.70	35.83	38.53	0.53		-0.45	45.80	51.94	-0.81	37.26	34.40	0.70

See notes at end of table.

Table 2.2.8. PFI overall response rate, by experimental condition and selected household characteristics: 2019–Continued

Selected household characteristics ²	Number of eligible screener households included in response rate calculation	All cases					Paper-sensitive cases ¹				Non-paper-sensitive cases ¹		
		PFI overall response rate (percentage)			<i>t</i> statistic		PFI overall response rate (percentage)		<i>t</i> statistic		PFI overall response rate (percentage)		<i>t</i> statistic
		Modeled-mode condition	Baseline web-push condition	Random paper-only condition	Modeled-mode vs. baseline web-push	Modeled-mode vs. random paper-only	Paper-only protocol ³	Web-push protocol ³			Paper-only protocol ⁴	Web-push protocol ⁴	
Percent of persons in block group speaking a non-English language ⁷													
First quartile (low)	18,230	54.48	50.83	45.50	2.22 *	1.95	56.05	63.06	-1.44		42.46	51.19	-1.89
Second quartile	18,340	54.17	54.27	50.57	-0.06	0.86	52.45	68.93	-2.02 *		48.52	52.20	-0.85
Third quartile	18,400	49.92	47.85	46.54	1.30	0.78	50.96	61.32	-0.97		45.45	48.39	-0.68
Fourth quartile (high)	18,360	38.39	37.88	43.68	0.34	-1.67	53.44	43.40	0.73		44.03	36.96	2.17 *
Bilingual screener mailed ⁸													
Yes	54,040	46.78	46.23	45.92	0.67	0.34	53.07	60.45	-1.53		45.37	44.67	0.28
No	19,310	57.01	52.72	48.76	2.68 *	1.83	55.87	64.40	-1.59		44.44	54.86	-2.10 *

† Not applicable.

Rounds to zero.

‡ Reporting standards not met. Either there are too few cases for a reliable estimate or the coefficient of variation (CV) is 50 percent or greater.

* $p < 0.05$.

¹A predictive model was used to classify cases into two groups: (1) paper-sensitive cases, which are the most likely to prefer to respond by paper (15 percent of cases) and (2) non-paper-sensitive cases, which do not have as much of a preference to respond by paper (85 percent of cases).

²Unless indicated otherwise, the selected characteristics are based on available frame variables.

³When paper-sensitive cases were assigned to the modeled-mode condition, they received a paper-only protocol. When paper-sensitive cases were assigned to the baseline web-push condition, they received a web-push protocol.

⁴When non-paper-sensitive cases were assigned to the modeled-mode condition, they received a web-push protocol. When non-paper-sensitive cases were assigned to the random paper-only condition, they received a paper-only protocol.

⁵Extent of missing frame information was determined based on the number of variables for which the address was missing information on the frame. This analysis is limited to variables for which there is an explicit missing category (as opposed to variables for which a lack of data implies either a lack of the tract in question or that the information is missing). “High missing” cases are cases missing information for 4 or more frame variables, “medium missing” cases are cases missing information for 1 to 3 frame variables, and “low missing” cases are those that were not missing information for any of the frame variables.

⁶The Census Low Response Score is a derived variable that identifies block groups with characteristics associated with low mail return rates to the 2010 Decennial Census. A higher low response score corresponds to a lower expected mail return rate. This variable was not available for a very small number of cases, and these cases have been excluded from this analysis. Cases that are in the first quartile are those that were expected to be the most likely to participate and those that are in the fourth quartile are those that were expected to be the least likely to participate.

⁷Percentages are based on block-level American Community Survey data (2013-2017). Cases in the first quartile were those with the lowest prevalence of the characteristic in question and those that are in the fourth quartile are those with the highest prevalence.

⁸Variable is from the NHES:2019 data collection operation files.

NOTE: PFI is Parent and Family Involvement topical survey. The overall response rate is the product of the screener response rate and the topical response rate. Screener and topical response rates were calculated using American Association for Public Opinion Research (AAPOR) Response Rate 1 (RR1). Unweighted eligible sample size was 32,970 for the modeled-mode condition, 36,700 for the baseline web-push condition, and 3,680 for the random paper-only condition. Unweighted eligible sample size was 5,140 for paper-sensitive cases in the modeled-mode condition, 5,700 for paper-sensitive cases in the baseline web-push condition, 27,830 for non-paper-sensitive cases in the modeled-mode condition, and 3,110 for non-paper sensitive cases in the random paper-only condition. Sample sizes have been rounded to the nearest 10. Detail may not sum to totals due to rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Household Education Surveys Program (NHES), 2019. U.S. Census Bureau, American Community Survey (ACS), 2013-2017

Table 3.1.1. Screener response rate, by advance mailing condition and response mode: 2019

Response mode	Screener response rate (percentage)			<i>t</i> statistic		
	Advance mailing campaign ¹	Advance letter only	No advance mailings	Advance mailing campaign vs. advance letter only	Advance mailing campaign vs. no advance mailings	Advance letter only vs. no advance mailings
Overall	58.40	58.35	57.24	0.11	2.21 *	2.36 *
Web	39.67	39.90	37.32	-0.44	4.97 *	5.46 *
Paper	14.72	14.26	16.06	1.34	-3.81 *	-5.87 *
Inbound telephone	4.00	4.19	3.87	-0.98	0.73	1.84

**p* < .05.

¹Cases in the advance mailing campaign condition received two oversized glossy postcards, followed by an advance letter. These postcards included interesting findings from NHES:2016 but did not mention that the address had been sampled for NHES:2019.

NOTE: Response rates were calculated using American Association for Public Opinion Research (AAPOR) Response Rate 1 (RR1). Percentages represent the proportion of sampled households (excluding undeliverable and out-of-scope addresses) that were respondents to the screener questionnaire. Unweighted eligible sample size was 21,230 for the advance mailing campaign condition, 21,260 for the advance letter-only condition, and 21,410 for the no-advance mailings condition. Sample sizes have been rounded to the nearest 10. Detail may not sum to totals because of rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Household Education Surveys Program (NHES), 2019.

Table 3.1.2. Percentage point gain in screener response rate after each mailing, by advance mailing condition, mailing, and response mode: 2019

Mailing and response mode	Percentage point gain in screener response			<i>t</i> statistic		
	Advance mailing campaign ¹	Advance letter only	No advance mailings	Advance mailing campaign vs. advance letter only	Advance mailing campaign vs. no advance mailings	Advance letter only vs. no advance mailings
Initial screener package						
Overall	21.68	21.68	17.34	0.00	11.23 *	12.24 *
Web	20.44	20.34	16.50	0.23	10.07 *	11.25 *
Paper ²	‡	‡	‡	†	†	†
Inbound telephone	1.24	1.33	0.82	-0.99	3.95 *	5.85 *
Pressure-sealed envelope						
Overall	15.40	15.79	16.61	-1.04	-3.27 *	-2.30 *
Web	13.51	13.87	14.63	-1.00	-3.23 *	-2.20 *
Paper ²	#	#	#	-0.87	0.93	1.70
Inbound telephone	1.85	1.86	1.96	-0.08	-0.79	-0.71
Second screener package						
Overall	5.37	5.37	5.79	0.01	-2.08 *	-1.78
Web	4.89	4.90	5.30	-0.06	-2.10 *	-1.69
Paper ²	#	‡	‡	†	†	†
Inbound telephone	0.46	0.46	0.49	-0.05	-0.37	-0.35
Third screener package						
Overall	9.57	8.91	10.47	2.26 *	-2.86 *	-6.18 *
Web	0.68	0.60	0.64	0.94	0.42	-0.55
Paper	8.57	7.99	9.44	2.09 *	-2.79 *	-5.69 *
Inbound telephone	0.32	0.33	0.38	-0.18	-1.20	-0.84
Fourth screener package						
Overall	6.39	6.60	7.03	-0.88	-2.93 *	-1.69
Web	0.16	0.19	0.25	-0.63	-2.07 *	-1.23
Paper	6.08	6.20	6.56	-0.49	-2.24 *	-1.43
Inbound telephone	0.15	0.21	0.22	-1.62	-1.83	-0.17

† Not applicable.

Estimate rounds to zero.

‡ Reporting standards not met. Either there are too few cases for a reliable estimate or the coefficient of variation (CV) is 50 percent or greater.

**p* < .05.

¹ Cases in the advance mailing campaign condition received two oversized glossy postcards, followed by an advance letter. These postcards included interesting findings from NHES:2016 but did not mention that the address had been sampled for NHES:2019.

² Within the web-push conditions, sample members could receive a paper questionnaire prior to the third screener package by calling the Census Bureau and requesting one.

NOTE: Response rates were calculated using American Association for Public Opinion Research (AAPOR) Response Rate 1 (RR1). Percentages represent the proportion of eligible sampled households (excluding undeliverable and out-of-scope addresses) that completed the screener after the specified mailing. Response is attributed to a mailing if the response was received three or more days after

that mailing was sent and less than three days after the next mailing was sent. Unweighted sample size was 21,230 for the advance mailing campaign condition, 21,260 for the advance letter-only condition, and 21,410 for the no-advance mailings condition. Sample sizes have been rounded to the nearest 10. Detail may not sum to totals because of rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Household Education Surveys Program (NHES), 2019.

Table 3.1.3. Screener response rate, by advance mailing condition and selected household characteristics: 2019

Selected household characteristics ¹	Number of sampled households	Screener response rate (percentage)			<i>t</i> statistic		
		Advance mailing campaign ²	Advance letter only	No advance mailings	Advance mailing campaign vs. advance letter only	Advance mailing campaign vs. no advance mailings	Advance letter only vs. no advance mailings
Gender of head of household							
Male	21,520	62.23	62.49	60.99	-0.31	1.52	1.84
Female	19,060	60.34	59.55	58.83	0.95	1.67	0.88
Missing	23,330	53.18	53.43	52.33	-0.27	0.92	1.22
Age of head of household							
18-34	5,450	50.52	47.54	52.18	1.73	-1.00	-2.59 *
35-44	7,860	53.48	53.72	51.44	-0.16	1.47	1.73
45-54	9,230	59.01	57.66	56.94	1.01	1.63	0.56
55-65	11,050	66.77	67.87	65.65	-1.03	1.09	2.07 *
Over 65	12,540	74.94	74.84	74.01	0.10	1.14	0.86
Missing	17,760	44.92	45.55	43.89	-0.66	1.14	1.84
Marital status of head of household							
Single	21,000	53.32	52.42	52.73	1.14	0.65	-0.32
Married	32,370	65.35	65.73	63.92	-0.61	2.09 *	3.05 *
Missing	10,530	45.32	46.41	44.98	-0.84	0.26	1.16
Race/ethnicity of head of household							
White	31,100	66.22	65.34	65.19	1.36	1.56	0.25
Black	7,020	48.20	49.39	45.02	-0.67	1.95	2.98 *
Hispanic	7,390	43.44	45.18	43.12	-1.16	0.22	1.49
Asian/Pacific Islander or Other	2,490	59.09	59.13	59.29	-0.02	-0.09	-0.07
Missing	15,910	50.94	52.01	50.36	-1.11	0.55	1.57
Highest education level of head household							
Less than high school diploma	6,880	47.45	47.52	46.61	-0.05	0.59	0.61
High school diploma	14,030	60.56	59.89	57.91	0.57	2.69 *	2.01 *
Some college	13,750	58.33	57.90	58.44	0.42	-0.10	-0.51
Bachelor's degree	8,960	68.60	68.25	67.20	0.25	1.41	0.91
Graduate degree	5,700	69.72	68.56	67.87	0.76	1.40	0.51
Missing	14,580	49.83	51.05	49.26	-1.17	0.51	1.61

See notes at end of table.

Table 3.1.3. Screener response rate, by advance mailing condition and selected household characteristics: 2019–Continued

Selected household characteristics ¹	Number of sampled households	Screener response rate (percentage)			<i>t</i> statistic			
		Advance mailing campaign ²	Advance letter only	No advance mailings	Advance mailing campaign vs. advance letter only	Advance mailing campaign vs. no advance mailings	Advance letter only vs. no advance mailings	
Household income								
Less than \$25,000	10,200	49.69	51.19	50.19	-1.19	-0.41	0.93	
\$25,000-\$49,999	13,780	58.86	57.48	57.93	1.29	0.81	-0.48	
\$50,000-\$74,999	9,090	61.77	62.51	61.01	-0.54	0.56	1.30	
\$75,000-\$99,999	7,650	65.58	64.37	63.31	0.85	1.60	0.92	
\$100,000-\$149,999	7,930	62.18	63.60	60.77	-1.13	1.01	1.92	
\$150,000 or more	6,090	68.99	68.28	65.85	0.44	2.22 *	1.54	
Missing	9,170	46.30	45.88	45.35	0.32	0.72	0.00	*
Home tenure								
Own	41,130	65.92	65.50	64.34	0.73	2.60 *	2.03	*
Rent	13,340	44.83	45.47	44.67	-0.61	0.13	0.74	
Missing	9,430	41.86	42.95	42.46	-0.80	-0.44	0.35	
Number of adults in household								
1	30,340	53.99	54.02	52.43	-0.03	2.00 *	2.27	*
2	17,890	67.58	67.39	67.22	0.22	0.38	0.22	
3	4,960	70.03	70.32	67.96	-0.23	1.48	1.59	
4 or more	1,630	65.17	67.47	66.24	-0.98	-0.37	0.37	
Missing	9,090	46.31	45.70	45.10	0.46	0.92	0.41	
Household flagged as having children								
Yes	12,360	58.14	57.78	57.13	0.34	0.95	0.57	
No	51,540	58.47	58.49	57.26	-0.04	2.26 *	2.28	*
Ability to match address to phone number								
Phone number available	43,160	62.30	62.20	61.16	0.16	1.79	2.03	*
No phone number available	20,740	50.03	50.13	48.99	-0.11	1.26	1.22	
Route type								
Street	49,060	61.39	61.24	60.42	0.26	1.62	1.57	
P.O. box	420	50.63	55.65	46.45	-0.94	0.66	1.43	
Rural route	40	‡	‡	‡	†	†	†	
High rise	14,380	47.88	48.10	46.08	-0.18	1.53	1.70	

See notes at end of table.

Table 3.1.3. Screener response rate, by advance mailing condition and selected household characteristics: 2019–Continued

Selected household characteristics ¹	Number of sampled households	Screener response rate (percentage)			<i>t</i> statistic		
		Advance mailing campaign ²	Advance letter only	No advance mailings	Advance mailing campaign vs. advance letter only	Advance mailing campaign vs. no advance mailings	Advance letter only vs. no advance mailings
Dwelling type							
Single unit	47,690	61.99	61.73	60.91	0.45	1.83	1.58
Multi-unit	15,790	47.06	47.62	45.83	-0.52	1.15	1.63
Missing	420	50.63	55.65	46.45	-0.94	0.66	1.43
Vacancy status							
Flagged as vacant	750	39.07	44.50	38.70	-1.32	0.08	1.23
Not flagged as vacant	63,150	58.62	58.52	57.43	0.19	2.20 *	2.33 *
Seasonal address type							
Seasonal or educational seasonal delivery	380	76.33	76.03	71.26	0.06	0.87	0.92
No seasonal delivery	63,520	58.28	58.23	57.16	0.09	2.10 *	2.27 *
Drop point address type							
Drop point	1,020	48.54	47.27	47.93	0.37	0.15	-0.17
Not a drop point	62,880	58.54	58.52	57.38	0.04	2.17 *	2.41 *
Census region							
Northeast	11,050	59.37	59.33	57.89	0.04	1.23	1.34
South	25,510	55.18	55.41	53.51	-0.28	2.20 *	2.27 *
Midwest	13,150	63.62	62.48	62.19	1.15	1.33	0.30
West	14,200	58.02	58.53	58.30	-0.46	-0.27	0.20
Race/ethnicity stratum							
25% or more Black	12,170	45.57	47.02	42.68	-1.51	2.51 *	4.38 *
40% or more Hispanic	9,630	42.29	44.89	41.71	-1.97	0.51	2.62 *
Other	42,100	63.03	62.32	62.19	1.19	1.42	0.22
Tract poverty rate							
20 percent or higher	18,430	46.68	46.92	44.63	-0.28	2.00 *	2.59 *
Below 20 percent	45,470	62.28	62.09	61.45	0.31	1.34	1.13
Extent of missing frame information ³							
High	12,170	47.24	47.82	46.64	-0.50	0.52	0.99
Medium	20,960	55.71	55.37	54.24	0.38	1.64	1.39
Low	30,770	64.49	64.39	63.32	0.16	1.88	1.83

See notes at end of table.

Table 3.1.3. Screener response rate, by advance mailing condition and selected household characteristics: 2019–Continued

Selected household characteristics ¹	Number of sampled households	Screener response rate (percentage)			<i>t</i> statistic		
		Advance mailing campaign ²	Advance letter only	No advance mailings	Advance mailing campaign vs. advance letter only	Advance mailing campaign vs. no advance mailings	Advance letter only vs. no advance mailings
Census Low Response Score ⁴							
First quartile (low)	16,810	69.52	69.11	68.35	0.46	1.13	0.79
Second quartile	16,260	62.26	61.01	60.44	1.24	2.04 *	0.56
Third quartile	15,640	53.20	55.24	53.97	-1.96	-0.78	1.35
Fourth quartile (high)	14,840	41.90	42.53	39.96	-0.65	1.94	2.60 *
Percent of persons in block group without a high school diploma ⁵							
First quartile (low)	16,350	65.97	66.22	64.39	-0.30	1.78	1.97
Second quartile	16,160	62.23	61.54	61.89	0.71	0.37	-0.37
Third quartile	15,920	56.07	56.79	54.89	-0.69	1.05	2.15 *
Fourth quartile (high)	15,450	45.66	45.07	44.03	0.57	1.48	1.11
Percent of persons in block group who are Black ⁵							
First quartile (low)	16,290	64.42	63.12	63.38	1.61	1.01	-0.27
Second quartile	16,290	61.81	62.60	61.67	-0.86	0.15	1.16
Third quartile	16,070	56.65	57.05	55.97	-0.41	0.65	1.10
Fourth quartile (high)	15,230	47.63	47.67	44.44	-0.04	3.18 *	3.04 *
Percent of persons in block group speaking a non-English language ⁵							
First quartile (low)	15,690	62.43	61.67	60.94	0.76	1.69	0.77
Second quartile	16,050	63.33	62.63	62.25	0.77	1.27	0.46
Third quartile	16,110	58.56	58.70	56.52	-0.16	2.00 *	2.14 *
Fourth quartile (high)	16,030	46.99	48.39	47.49	-1.38	-0.55	0.86
Bilingual screener mailed ⁶							
Yes	46,860	56.11	56.25	54.73	-0.24	2.34 *	2.84 *
No	17,040	64.09	63.60	63.52	0.55	0.62	0.08

† Not applicable.

‡ Reporting standards not met. Either there are too few cases for a reliable estimate or the coefficient of variation (CV) is 50 percent or greater.

**p* < 0.05.

¹Unless indicated otherwise, the selected characteristics are based on available frame variables.

²Cases in the advance mailing campaign condition received two oversized glossy postcards, followed by an advance letter. These postcards included interesting findings from NHES:2016 but did not mention that the address had been sampled for NHES:2019.

³Extent of missing frame information was determined based on the number of variables for which the address was missing information on the frame. This analysis is limited to variables for which there is an explicit missing category (as opposed to variables for which a lack of data implies either a lack of the tract in question or that the information is missing). “High missing” cases are cases missing information for 4 or more frame variables, “medium missing” cases are cases missing information for 1 to 3 frame variables, and “low missing” cases are those that were not missing information for any of the frame variables.

⁴The Census Low Response Score is a derived variable that identifies block groups with characteristics associated with low mail return rates to the 2010 Decennial Census. A higher low response score corresponds to a lower expected mail return rate. This variable was not available for a very small number of cases, and these cases have been excluded from this analysis. Cases that are in the first quartile are those that were expected to be the most likely to participate and those that are in the fourth quartile are those that were expected to be the least likely to participate.

⁵Percentages are based on block-level American Community Survey data (2013-2017). Cases in the first quartile were those with the lowest prevalence of the characteristic in question and those that are in the fourth quartile are those with the highest prevalence.

⁶Variable is from the NHES:2019 data collection operation files.

NOTE: Response rates were calculated using American Association for Public Opinion Research (AAPOR) Response Rate 1 (RR1). Percentages represent the proportion of sampled households (excluding undeliverable and out-of-scope addresses) that were respondents to the questionnaire. Unweighted sample size was 21,230 for the advance mailing campaign condition, 21,260 for the advance letter-only condition, and 21,410 for the no-advance mailings condition. Sample sizes have been rounded to the nearest 10. Detail may not sum to totals because of rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Household Education Surveys Program (NHES), 2019. U.S. Census Bureau, American Community Survey (ACS), 2013-2017.

Table 3.1.4. Percentage of screener respondents who reported at least one child eligible for the topical surveys, by advance mailing condition and questionnaire: 2019

Questionnaire	Percentage reporting at least one eligible child			<i>t</i> statistic		
	Advance mailing campaign ¹	Advance letter only	No advance mailings	Advance mailing campaign vs. advance letter only	Advance mailing campaign vs. no advance mailings	Advance letter only vs. no advance mailings
Overall	25.28	25.35	25.18	-0.11	0.19	0.29
ECPP	9.41	9.00	8.67	1.19	2.24 *	0.95
PFI	20.50	20.70	20.74	-0.35	-0.44	-0.07

**p* < .05.

¹Cases in the advance mailing campaign condition received two oversized glossy postcards, followed by an advance letter. These postcards included interesting findings from NHES:2016 but did not mention that the address had been sampled for NHES:2019.

NOTE: ECPP is Early Childhood Program Participation topical survey. PFI is Parent and Family Involvement topical survey. Percentages represent the proportion of screener respondent households that reported at least one child on the screener who was eligible for a topical survey. Screener respondent households may have been eligible for more than one topical; as a result, the topical-specific results do not sum to the overall result. Unweighted sample size was equal to 12,020 for the advance mailing campaign condition, 12,080 for the advance letter-only condition, and 11,850 for the no-advance mailings condition. Sample sizes have been rounded to the nearest 10.

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Household Education Surveys Program (NHES), 2019.

Table 3.1.5. Topical response rate, by advance mailing condition, questionnaire, and response mode: 2019

Questionnaire and response mode	Topical response rate (percentage)			<i>t</i> statistic		
	Advance mailing campaign ¹	Advance letter only	No advance mailings	Advance mailing campaign vs. advance letter only	Advance mailing campaign vs. no advance mailings	Advance letter only vs. no advance mailings
ECPP						
Overall	87.74	88.78	85.63	-0.61	0.89	1.35
Web	93.09	94.74	92.77	-1.20	0.21	1.35
Paper	69.19	67.81	63.17	0.25	0.86	0.64
Inbound telephone	‡	‡	‡	†	†	†
PFI						
Overall	84.49	85.55	85.27	-0.71	-0.53	0.20
Web	93.24	93.16	91.81	0.08	1.06	1.08
Paper	58.86	61.39	66.92	-0.59	-1.87	-1.51
Inbound telephone	90.32	‡	95.27	†	-0.70	†

† Not applicable.

‡ Reporting standards not met. Either there are too few cases for a reliable estimate or the coefficient of variation (CV) is 50 percent or greater.

**p* < .05.

¹ Cases in the advance mailing campaign condition received two oversized glossy postcards, followed by an advance letter. These postcards included interesting findings from NHES:2016 but did not mention that the address had been sampled for NHES:2019.

NOTE: ECPP is Early Childhood Program Participation topical survey. PFI is Parent and Family Involvement topical survey. Response rates were calculated using American Association for Public Opinion Research (AAPOR) Response Rate 1 (RR1). Percentages represent the proportion of eligible households that were respondents to the questionnaire. Unweighted eligible sample size for the ECPP response rate was 950 for the advance mailing campaign condition, 920 for the advance letter-only condition, and 850 for the no-advance mailings condition. Unweighted sample size for the PFI response rate was 2,110 for the advance mailing campaign condition, 2,170 for the advance letter-only condition, and 2,140 for the no-advance mailings condition. Sample sizes have been rounded to the nearest 10. Detail may not sum to totals due to rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Household Education Surveys Program (NHES), 2019.

Table 3.1.6. Overall response rate, by advance mailing condition, questionnaire, and response mode: 2019

Questionnaire and response mode	Overall response rate (percentage)			<i>t</i> statistic		
	Advance mailing campaign ¹	Advance letter only	No advance mailings	Advance mailing campaign vs. advance letter only	Advance mailing campaign vs. no advance mailings	Advance letter only vs. no advance mailings
ECPP						
Overall	51.24	51.80	49.01	-0.53	1.61	2.03 *
Web	36.93	37.80	34.62	-1.25	3.10 *	4.58 *
Paper	10.19	9.67	10.14	0.65	0.04	-0.43
Inbound telephone	3.43	4.01	3.87	-1.06	-0.87	0.50
PFI						
Overall	49.34	49.91	48.81	-0.58	0.51	1.30
Web	36.99	37.17	34.26	-0.28	3.78 *	4.73 *
Paper	8.67	8.75	10.74	-0.13	-2.97 *	-3.23 *
Inbound telephone	3.62	3.74	3.68	-0.26	-0.21	0.13

**p* < .05.

¹Cases in the advance mailing campaign condition received two oversized glossy postcards, followed by an advance letter. These postcards included interesting findings from NHES:2016 but did not mention that the address had been sampled for NHES:2019.

NOTE: ECPP is Early Childhood Program Participation topical survey. PFI is Parent and Family Involvement topical survey. The overall response rate is the product of the screener response rate and the topical response rate. Screener and topical response rates were calculated using American Association for Public Opinion Research (AAPOR) Response Rate 1 (RR1). Unweighted sample size for the ECPP response rate was 21,230 for the advance mailing campaign condition, 21,260 for the advance letter-only condition, and 21,410 for the no-advance mailings condition. Unweighted sample size for the PFI response rate was 21,230 for the advance mailing campaign condition, 21,260 for the advance letter-only condition, and 21,410 for the no-advance mailings condition. Sample sizes have been rounded to the nearest 10. Detail may not sum to totals due to rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Household Education Surveys Program (NHES), 2019.

Table 3.1.7. ECPP overall response rate, by advance mailing condition and selected household characteristics: 2019

Selected household characteristics ¹	Number of eligible screener households included in response rate calculation	ECPP overall response rate (percentage)			<i>t</i> statistic		
		Advance mailing campaign ²	Advance letter only	No advance mailings	Advance mailing campaign vs. advance letter only	Advance mailing campaign vs. no advance mailings	Advance letter only vs. no advance mailings
Gender of head of household							
Male	21,520	54.84	56.11	53.36	-0.71	0.79	1.45
Female	19,060	51.76	52.91	49.00	-0.59	0.86	1.26
Missing	23,330	47.22	46.79	44.78	0.24	1.43	1.18
Age of head of household							
18-34	5,450	42.91	41.69	45.81	0.51	-1.08	-1.59
35-44	7,860	49.07	49.37	46.75	-0.15	1.11	1.24
45-54	9,230	50.18	48.64	47.56	0.46	0.74	0.28
55-65	11,050	55.92	60.66	54.32	-1.25	0.38	1.54
Over 65	12,540	57.49	67.33	54.41	-1.40	0.37	1.96 *
Missing	17,760	40.34	40.16	36.50	0.11	1.77	1.64
Marital status of head of household							
Single	21,000	45.37	45.60	44.38	-0.12	0.48	0.56
Married	32,370	57.49	59.22	54.82	-1.27	1.24	2.10 *
Missing	10,530	42.21	40.29	39.61	0.76	1.28	0.25
Race/ethnicity of head of household							
White	31,100	58.39	58.77	55.26	-0.25	1.34	1.53
Black	7,020	39.12	44.44	40.29	-1.47	-0.36	1.36
Hispanic	7,390	37.68	38.66	38.11	-0.39	-0.19	0.24
Asian/Pacific Islander or Other	2,490	51.07	54.41	48.61	-0.74	0.45	1.14
Missing	15,910	45.68	45.00	43.08	0.30	1.17	0.80
Highest education level of head of household							
Less than high school diploma	6,880	39.67	41.15	42.96	-0.50	-1.18	-0.75
High school diploma	14,030	50.42	53.76	47.20	-1.11	0.96	2.21 *
Some college	13,750	50.29	52.06	48.05	-0.91	0.59	1.10
Bachelor's degree	8,960	63.78	61.66	60.47	0.94	1.27	0.44
Graduate degree	5,700	61.49	59.97	59.87	0.42	0.46	0.03
Missing	14,580	45.03	44.39	42.04	0.27	1.39	0.95

See notes at end of table.

Table 3.1.7. ECPP overall response rate, by advance mailing condition and selected household characteristics: 2019—Continued

Selected household characteristics ¹	Number of eligible screener households included in response rate calculation	ECPP overall response rate (percentage)			<i>t</i> statistic		
		Advance mailing campaign ²	Advance letter only	No advance mailings	Advance mailing campaign vs. advance letter only	Advance mailing campaign vs. no advance mailings	Advance letter only vs. no advance mailings
Household income							
Less than \$25,000	10,200	43.31	42.62	43.11	0.24	0.08	-0.16
\$25,000-\$49,999	13,780	51.75	52.41	50.74	-0.28	0.39	0.71
\$50,000-\$74,999	9,090	54.21	55.83	54.93	-0.51	-0.25	0.30
\$75,000-\$99,999	7,650	59.74	59.82	51.49	-0.03	2.10 *	2.29 *
\$100,000-\$149,999	7,930	53.06	56.52	50.10	-1.19	0.65	1.40
\$150,000 or more	6,090	61.48	61.83	56.91	-0.09	1.30	1.25
Missing	9,170	40.07	38.92	39.46	0.38	0.23	-0.18
Home tenure							
Own	41,130	58.20	58.70	56.06	-0.37	1.45	1.89
Rent	13,340	38.21	39.55	37.94	-0.68	0.12	0.77
Missing	9,430	37.34	37.44	33.57	-0.04	0.89	0.88
Number of adults in household							
1	30,340	47.53	47.92	42.96	-0.28	2.34 *	2.53 *
2	17,890	59.85	62.37	61.59	-1.26	-0.90	0.44
3	4,960	55.42	53.28	52.43	0.30	0.41	0.12
4 or more	1,630	53.93	52.41	40.06†	0.15	0.93	0.82
Missing	9,090	40.79	38.72	38.99	0.69	0.69	-0.09
Household flagged as having children							
Yes	12,360	50.04	51.14	51.22	-0.53	-0.49	-0.04
No	51,540	51.59	51.97	48.37	-0.30	2.15 *	2.37 *
Ability to match address to phone number							
Phone number available	43,160	54.81	55.36	52.95	-0.39	1.20	1.61
No phone number available	20,740	43.67	44.31	41.30	-0.39	1.11	1.38
Route type							
Street	49,060	53.84	54.34	52.29	-0.43	0.98	1.29
P.O. box	420	43.09	55.65	‡	-1.23	†	†
Rural route	40	‡	‡	‡	†	†	†
High rise	14,380	42.16	42.67	36.92	-0.21	2.03 *	2.16 *

See notes at end of table.

Table 3.1.7. ECPP overall response rate, by advance mailing condition and selected household characteristics: 2019–Continued

Selected household characteristics ¹	Number of eligible screener households included in response rate calculation	ECPP overall response rate (percentage)			<i>t</i> statistic		
		Advance mailing campaign ²	Advance letter only	No advance mailings	Advance mailing campaign vs. advance letter only	Advance mailing campaign vs. no advance mailings	Advance letter only vs. no advance mailings
Dwelling type							
Single unit	47,690	54.51	54.88	52.70	-0.33	1.13	1.34
Multi-unit	15,790	40.86	41.85	37.14	-0.43	1.53	1.90
Missing	420	43.09	55.65	‡	-1.23	†	†
Vacancy status							
Flagged as vacant	750	32.27	39.84	35.00	-1.02	-0.36	0.71
Not flagged as vacant	63,150	51.48	51.95	49.15	-0.45	1.68	2.03 *
Seasonal address type							
Seasonal or educational seasonal delivery	380	#	#	‡	†	†	†
No seasonal delivery	63,520	51.13	51.70	48.94	-0.54	1.58	2.00 *
Drop point address type							
Drop point	1,020	48.54	31.32	35.09	2.05 *	1.25	-0.29
Not a drop point	62,880	51.28	52.15	49.21	-0.83	1.46	2.13 *
Census region							
Northeast	11,050	52.29	51.34	49.04	0.39	1.28	0.82
South	25,510	47.63	49.29	46.97	-0.83	0.35	1.38
Midwest	13,150	56.47	56.43	52.15	0.02	1.63	1.74
West	14,200	51.32	51.64	49.40	-0.14	0.59	0.63
Race/ethnicity stratum							
25% or more Black	12,170	37.49	42.14	34.94	-1.78	0.92	2.96 *
40% or more Hispanic	9,630	38.04	37.59	36.50	0.19	0.73	0.43
Other	42,100	55.64	55.69	53.45	-0.04	1.20	1.24
Tract poverty rate							
20 percent or higher	18,430	38.53	40.53	39.22	-0.92	-0.33	0.58
Below 20 percent	45,470	55.61	55.52	52.22	0.07	1.97 *	1.92
Extent of missing frame information ³							
High	12,170	42.97	41.63	40.28	0.54	1.23	0.51
Medium	20,960	49.29	49.00	44.29	0.16	2.03 *	1.98 *
Low	30,770	55.50	57.67	56.41	-1.31	-0.52	0.82

See notes at end of table.

Table 3.1.7. ECPP overall response rate, by advance mailing condition and selected household characteristics: 2019–Continued

Selected household characteristics ¹	Number of eligible screener households included in response rate calculation	ECPP overall response rate (percentage)			<i>t</i> statistic		
		Advance mailing campaign ²	Advance letter only	No advance mailings	Advance mailing campaign vs. advance letter only	Advance mailing campaign vs. no advance mailings	Advance letter only vs. no advance mailings
Census Low Response Score ⁴							
First quartile (low)	16,810	61.60	62.22	57.15	-0.32	1.18	1.35
Second quartile	16,260	55.95	54.74	53.39	0.60	1.18	0.63
Third quartile	15,640	47.41	49.74	46.58	-1.07	0.36	1.34
Fourth quartile (high)	14,840	34.22	35.54	33.56	-0.60	0.33	0.92
Percent of persons in block group without a high school diploma ⁵							
First quartile (low)	16,350	59.98	60.19	53.29	-0.11	2.12 *	2.20 *
Second quartile	16,160	55.90	56.01	56.73	-0.05	-0.40	-0.36
Third quartile	15,920	46.95	50.13	45.98	-1.39	0.42	1.70
Fourth quartile (high)	15,450	39.10	37.59	37.10	0.67	0.97	0.21
Percent of persons in block group who are Black ⁵							
First quartile (low)	16,290	57.89	56.27	52.35	0.71	1.67	1.15
Second quartile	16,290	55.76	55.72	57.02	0.02	-0.70	-0.75
Third quartile	16,070	49.23	49.62	45.42	-0.18	1.60	1.79
Fourth quartile (high)	15,230	38.94	43.54	38.28	-2.03 *	0.27	2.61 *
Percent of persons in block group speaking a non-English language ⁵							
First quartile (low)	15,690	53.29	56.28	53.27	-1.21	0.01	1.31
Second quartile	16,050	56.97	55.68	52.97	0.55	1.21	0.84
Third quartile	16,110	51.89	51.50	49.08	0.18	1.27	1.02
Fourth quartile (high)	16,030	40.87	42.53	39.58	-0.89	0.65	1.42
Bilingual screener mailed ⁶							
Yes	46,860	48.63	49.50	46.67	-0.67	1.21	1.79
No	17,040	57.88	57.92	55.02	-0.02	1.35	1.43

† Not applicable.

Estimate rounds to zero.

‡ Reporting standards not met. Either there are too few cases for a reliable estimate or the coefficient of variation (CV) is 50 percent or greater.

**p* < 0.05.

¹Unless indicated otherwise, the selected characteristics are based on available frame variables.

²Cases in the advance mailing campaign condition received two oversized glossy postcards, followed by an advance letter. These postcards included interesting findings from NHES:2016 but did not mention that the address had been sampled for NHES:2019.

³Extent of missing frame information was determined based on the number of variables for which the address was missing information on the frame. This analysis is limited to variables for which there is an explicit missing category (as opposed to variables for which a lack of data implies either a lack of the tract in question or that the information is missing). “High missing” cases are cases missing information for 4 or more frame variables, “medium missing” cases are cases missing information for 1 to 3 frame variables, and “low missing” cases are those that were not missing information for any of the frame variables.

⁴The Census Low Response Score is a derived variable that identifies block groups with characteristics associated with low mail return rates to the 2010 Decennial Census. A higher low response score corresponds to a lower expected mail return rate. This variable was not available for a very small number of cases, and these cases have been excluded from this analysis. Cases that are in the first quartile are those that were expected to be the most likely to participate and those that are in the fourth quartile are those that were expected to be the least likely to participate.

⁵Percentages are based on block-level American Community Survey data (2013-2017). Cases in the first quartile were those with the lowest prevalence of the characteristic in question and those that are in the fourth quartile are those with the highest prevalence.

⁶Variable is from the NHES:2019 data collection operation files.

NOTE: ECPP is Early Childhood Program Participation topical survey. The overall response rate is the product of the screener response rate and the topical response rate. Screener and topical response rates were calculated using American Association for Public Opinion Research (AAPOR) Response Rate 1 (RR1). Unweighted sample size for the ECPP response rate was 21,230 for the advance mailing campaign condition, 21,260 for the advance letter-only condition, and 21,410 for the no-advance mailings condition. Sample sizes have been rounded to the nearest 10. Detail may not sum to totals due to rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Household Education Surveys Program (NHES), 2019. U.S. Census Bureau, American Community Survey (ACS), 2013-2017.

Table 3.1.8. PFI overall response rate, by advance mailing condition and selected household characteristics: 2019

Selected household characteristics ¹	Number of eligible screener households included in response rate calculation	PFI overall response rate (percentage)			<i>t</i> statistic		
		Advance mailing campaign ²	Advance letter only	No advance mailings	Advance mailing campaign vs. advance letter only	Advance mailing campaign vs. no advance mailings	Advance letter only vs. no advance mailings
Gender of head of household							
Male	21,520	54.49	54.32	52.67	0.11	1.14	1.04
Female	19,060	50.97	49.90	50.44	0.67	0.35	-0.35
Missing	23,330	43.14	45.72	43.78	-1.44	-0.33	1.36
Age of head of household							
18-34	5,450	46.05	40.28	42.52	2.21 *	1.29	-0.69
35-44	7,860	44.95	46.14	44.72	-0.58	0.13	0.77
45-54	9,230	49.60	49.64	50.00	-0.02	-0.23	-0.22
55-65	11,050	58.31	59.36	57.18	-0.41	0.37	0.68
Over 65	12,540	65.06	61.67	61.42	0.85	0.94	0.06
Missing	17,760	36.70	38.54	35.78	-0.89	0.42	1.62
Marital status of head of household							
Single	21,000	43.38	43.52	43.34	-0.07	0.02	0.10
Married	32,370	56.57	56.53	55.54	0.03	0.92	0.89
Missing	10,530	35.12	40.93	36.56	-2.36 *	-0.48	1.64
Race/ethnicity of head of household							
White	31,100	57.52	56.51	57.90	0.73	-0.31	-1.08
Black	7,020	39.13	40.01	35.85	-0.30	1.02	1.43
Hispanic	7,390	34.86	37.66	34.67	-1.31	0.08	1.51
Asian/Pacific Islander or Other	2,490	53.13	48.77	50.97	1.27	0.67	-0.69
Missing	15,910	41.06	45.48	40.70	-1.83	0.14	2.41 *
Highest education level of head of household							
Less than high school diploma	6,880	41.57	37.89	38.07	1.61	1.57	-0.08
High school diploma	14,030	50.32	51.93	49.45	-0.83	0.45	1.35
Some college	13,750	49.22	47.82	48.56	0.72	0.33	-0.36
Bachelor's degree	8,960	61.19	59.45	60.69	0.77	0.27	-0.56
Graduate degree	5,700	58.00	60.99	60.70	-0.98	-0.93	0.11
Missing	14,580	39.44	45.15	40.52	-2.24 *	-0.40	2.26 *

See notes at end of table.

Table 3.1.8. PFI overall response rate, by advance mailing condition and selected household characteristics: 2019–Continued

Selected household characteristics ¹	Number of eligible screener households included in response rate calculation	PFI overall response rate (percentage)			<i>t</i> statistic		
		Advance mailing campaign ²	Advance letter only	No advance mailings	Advance mailing campaign vs. advance letter only	Advance mailing campaign vs. no advance mailings	Advance letter only vs. no advance mailings
Household income							
Less than \$25,000	10,200	41.42	45.11	40.99	-1.58	0.17	2.05 *
\$25,000-\$49,999	13,780	49.40	47.51	48.10	0.76	0.52	-0.25
\$50,000-\$74,999	9,090	51.01	50.96	50.94	0.02	0.02	0.01
\$75,000-\$99,999	7,650	57.57	55.05	55.00	1.03	1.09	0.02
\$100,000-\$149,999	7,930	52.94	54.08	55.32	-0.46	-1.15	-0.53
\$150,000 or more	6,090	58.85	59.89	58.02	-0.35	0.30	0.72
Missing	9,170	37.78	41.21	35.17	-1.26	0.85	2.27 *
Home tenure							
Own	41,130	56.26	56.35	56.06	-0.08	0.17	0.27
Rent	13,340	39.18	36.91	37.07	1.23	1.16	-0.10
Missing	9,430	29.98	38.64	31.40	-3.10 *	-0.44	2.80 *
Number of adults in household							
1	30,340	44.33	44.77	42.49	-0.31	1.15	1.66
2	17,890	58.99	58.98	60.73	0.01	-1.27	-1.30
3	4,960	61.52	60.25	61.12	0.28	0.10	-0.23
4 or more	1,630	54.57	52.89	59.04	0.24	-0.82	-0.96
Missing	9,090	37.70	41.00	34.98	-1.20	0.88	2.24 *
Household flagged as having children							
Yes	12,360	49.70	49.86	49.56	-0.10	0.08	0.19
No	51,540	49.00	49.74	48.22	-0.59	0.60	1.44
Ability to match address to phone number							
Phone number available	43,160	53.37	52.72	52.74	0.60	0.55	-0.02
No phone number available	20,740	40.93	43.90	40.57	-1.86	0.21	2.40 *
Route type							
Street	49,060	52.26	52.36	52.09	-0.10	0.18	0.31
P.O. box	420	50.63	46.38	37.62	0.40	1.06	0.58
Rural route	40	‡	‡	‡	†	†	†
High rise	14,380	37.83	41.31	36.06	-1.34	0.54	1.98 *

See notes at end of table.

Table 3.1.8. PFI overall response rate, by advance mailing condition and selected household characteristics: 2019–Continued

Selected household characteristics ¹	Number of eligible screener households included in response rate calculation	PFI overall response rate (percentage)			<i>t</i> statistic		
		Advance mailing campaign ²	Advance letter only	No advance mailings	Advance mailing campaign vs. advance letter only	Advance mailing campaign vs. no advance mailings	Advance letter only vs. no advance mailings
Dwelling type							
Single unit	47,690	52.73	52.87	52.55	-0.14	0.18	0.36
Multi-unit	15,790	37.75	40.51	35.95	-1.14	0.62	1.79
Missing	420	50.63	46.38	37.62!	0.40	1.06	0.58
Vacancy status							
Flagged as vacant	750	18.86!	31.80	31.02	-1.24	-1.18	0.07
Not flagged as vacant	63,150	49.74	50.11	49.00	-0.38	0.72	1.30
Seasonal address type							
Seasonal or educational seasonal delivery	380	63.31	76.03	#	-0.76	0.63	23.58 *
No seasonal delivery	63,520	49.24	49.80	48.77	-0.57	0.45	1.21
Drop point address type							
Drop point	1,020	46.76	33.24	43.14	2.18 *	0.74	-1.47
Not a drop point	62,880	49.39	50.20	48.88	-0.82	0.48	1.55
Census region							
Northeast	11,050	49.42	46.71	50.84	1.05	-0.67	-1.71
South	25,510	45.35	47.87	45.38	-1.65	-0.02	1.84
Midwest	13,150	57.12	53.44	54.29	1.80	1.31	-0.38
West	14,200	48.46	51.86	47.99	-1.50	0.19	2.32 *
Race/ethnicity stratum							
25% or more Black	12,170	36.94	35.84	34.64	0.51	0.97	0.52
40% or more Hispanic	9,630	34.74	37.82	32.60	-1.42	0.94	2.60 *
Other	42,100	53.75	54.32	54.02	-0.47	-0.22	0.29
Tract poverty rate							
20 percent or higher	18,430	38.67	38.46	36.22	0.13	1.35	1.34
Below 20 percent	45,470	52.88	53.70	53.06	-0.72	-0.16	0.66
Extent of missing frame information ³							
High	12,170	37.02	42.25	37.62	-1.86	-0.20	2.03 *
Medium	20,960	47.32	46.48	45.97	0.54	0.78	0.33
Low	30,770	55.40	55.23	54.90	0.13	0.42	0.28

See notes at end of table.

Table 3.1.8. PFI overall response rate, by advance mailing condition and selected household characteristics: 2019–Continued

Selected household characteristics ¹	Number of eligible screener households included in response rate calculation	PFI overall response rate (percentage)			<i>t</i> statistic		
		Advance mailing campaign ²	Advance letter only	No advance mailings	Advance mailing campaign vs. advance letter only	Advance mailing campaign vs. no advance mailings	Advance letter only vs. no advance mailings
Census Low Response Score ⁴							
First quartile (low)	16,810	59.37	61.02	59.79	-0.85	-0.21	0.74
Second quartile	16,260	53.54	53.51	51.94	0.02	0.93	1.04
Third quartile	15,640	44.29	45.91	45.28	-0.76	-0.48	0.31
Fourth quartile (high)	14,840	33.92	34.27	32.26	-0.19	0.77	1.14
Percent of persons in block group without a high school diploma ⁵							
First quartile (low)	16,350	56.21	57.34	56.36	-0.59	-0.08	0.57
Second quartile	16,160	53.36	52.46	53.71	0.50	-0.19	-0.70
Third quartile	15,920	47.31	48.84	45.25	-0.84	1.09	2.00 *
Fourth quartile (high)	15,450	37.45	37.81	36.53	-0.20	0.46	0.75
Percent of persons in block group who are Black ⁵							
First quartile (low)	16,290	54.53	53.79	55.15	0.36	-0.31	-0.78
Second quartile	16,290	53.65	55.07	53.26	-0.83	0.20	1.03
Third quartile	16,070	47.83	49.69	47.78	-0.99	0.03	1.34
Fourth quartile (high)	15,230	37.97	37.65	35.73	0.15	1.03	0.93
Percent of persons in block group speaking a non-English language ⁵							
First quartile (low)	15,690	54.70	53.94	51.84	0.42	1.49	1.11
Second quartile	16,050	53.77	53.39	54.42	0.20	-0.34	-0.55
Third quartile	16,110	47.01	50.52	46.82	-1.89	0.09	2.09 *
Fourth quartile (high)	16,030	39.81	40.39	40.72	-0.36	-0.59	-0.22
Bilingual screener mailed ⁶							
Yes	46,860	46.65	48.22	46.20	-1.42	0.37	2.13
No	17,040	56.31	54.11	55.54	1.18	0.43	-0.77

† Not applicable.

Estimate rounds to zero.

‡ Reporting standards not met. Either there are too few cases for a reliable estimate or the coefficient of variation (CV) is 50 percent or greater.

**p* < 0.05.

¹Unless indicated otherwise, the selected characteristics are based on available frame variables.

²Cases in the advance mailing campaign condition received two oversized glossy postcards, followed by an advance letter. These postcards included interesting findings from NHES:2016 but did not mention that the address had been sampled for NHES:2019.

³Extent of missing frame information was determined based on the number of variables for which the address was missing information on the frame. This analysis is limited to variables for which there is an explicit missing category (as opposed to variables for which a lack of data implies either a lack of the tract in question or that the information is missing). “High missing” cases are cases missing information for 4 or more frame variables, “medium missing” cases are cases missing information for 1 to 3 frame variables, and “low missing” cases are those that were not missing information for any of the frame variables.

⁴The Census Low Response Score is a derived variable that identifies block groups with characteristics associated with low mail return rates to the 2010 Decennial Census. A higher low response score corresponds to a lower expected mail return rate. This variable was not available for a very small number of cases, and these cases have been excluded from this analysis. Cases that are in the first quartile are those that were expected to be the most likely to participate and those that are in the fourth quartile are those that were expected to be the least likely to participate.

⁵Percentages are based on block-level American Community Survey data (2013-2017). Cases in the first quartile were those with the lowest prevalence of the characteristic in question and those that are in the fourth quartile are those with the highest prevalence.

⁶Variable is from the NHES:2019 data collection operation files.

NOTE: PFI is Parent and Family Involvement topical survey. The overall response rate is the product of the screener response rate and the topical response rate. Screener and topical response rates were calculated using American Association for Public Opinion Research (AAPOR) Response Rate 1 (RR1). Unweighted sample size for the PFI response rate was 21,230 for the advance mailing campaign condition, 21,260 for the advance letter-only condition, and 21,410 for the no-advance mailings condition. Sample sizes have been rounded to the nearest 10. Detail may not sum to totals due to rounding. SOURCE: U.S. Department of Education, National Center for Education Statistics, National Household Education Surveys Program (NHES), 2019. U.S. Census Bureau, American Community Survey (ACS), 2013-2017.

Table 3.2.1. Percentage point gain in screener response rate after each mailing, by reminder condition, mailing, and response mode: 2019

Mailing and response mode	Percentage point gain in screener response rate		<i>t</i> statistic
	Pressure-sealed envelope	Reminder postcard	
Initial mailing			
Overall	21.68	21.11	1.57
Web	20.34	19.91	1.20
Paper [†]	‡	‡	†
Inbound telephone	1.33	1.19	1.62
Reminder postcard/Pressure-sealed envelope			
Overall	15.79	12.17	13.26 *
Web	13.87	10.28	13.04 *
Paper [†]	0.06	0.03	1.51
Inbound telephone	1.86	1.86	0.02

† Not applicable.

‡ Reporting standards not met. Either there are too few cases for a reliable estimate or the coefficient of variation (CV) is 50 percent or greater.

**p* < 0.05.

[†]Within the web-push conditions, sample members could receive a paper questionnaire prior to the third screener package by calling the Census Bureau and requesting one.

NOTE: Response rates were calculated using American Association for Public Opinion Research (AAPOR) Response Rate 1 (RR1). Percentages represent the proportion of eligible sampled households that completed the screener after the specified mailing. Response is attributed to a mailing if the response was received three or more days after that mailing was sent and less than three days after the next mailing was sent. Unweighted sample size (excluding undeliverable and out-of-scope addresses) was 21,260 for the reminder postcard condition and 36,700 for the pressure-sealed envelope condition. Sample sizes have been rounded to the nearest 10. Detail may not sum to totals because of rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Household Education Surveys Program (NHES), 2019.

Table 3.2.2. Screener response rate after reminder mailing, by reminder condition and selected household characteristics: 2019

Selected household characteristics ¹	Number of eligible households included in response rate	Screener response rate (percentage) after second mailing		<i>t</i> statistic
		Pressure-sealed envelope	Reminder postcard	
Overall	57,960	37.47	33.29	9.71 *
Gender of head of household				
Male	19,510	40.89	36.77	5.47 *
Female	17,270	37.89	33.85	5.21 *
Missing	21,170	33.87	29.52	5.82 *
Age of head of household				
18-34	5,000	30.61	29.32	0.86
35-44	7,180	34.98	29.66	4.55 *
45-54	8,360	38.11	33.19	4.30 *
55-65	9,190	44.81	40.71	4.02 *
Over 65	12,160	47.46	44.88	2.24 *
Missing	16,070	28.03	22.91	6.77 *
Marital status of head of household				
Single	19,160	32.85	28.62	6.80 *
Married	29,290	42.99	39.13	6.00 *
Missing	9,510	28.90	23.62	5.47 *
Race/ethnicity of head of household				
White	28,030	43.45	39.77	6.00 *
Black	6,410	30.23	23.69	4.97 *
Hispanic	6,800	25.43	21.73	3.34 *
Asian/Pacific Islander or Other	2,290	35.56	33.03	1.25 *
Missing	14,420	32.58	27.92	5.97 *
Highest education level of head household				
Less than high school diploma	6,150	29.05	22.93	5.29 *
High school diploma	12,810	37.36	33.01	5.04 *
Some college	12,340	37.70	33.67	4.51 *
Bachelor's degree	8,340	45.21	41.68	3.02 *
Graduate degree	5,160	47.50	44.88	1.66
Missing	13,160	31.63	27.20	5.40 *
Household income				
Less than \$25,000	9,360	32.31	26.84	5.49 *
\$25,000-\$49,999	12,410	35.97	31.82	4.47 *
\$50,000-\$74,999	8,490	40.00	36.14	3.40 *
\$75,000-\$99,999	6,880	41.77	40.10	1.29
\$100,000-\$149,999	7,170	43.25	37.73	4.77 *
\$150,000 or more	5,450	45.92	42.17	2.57 *
Missing	8,210	27.52	23.34	4.18 *

See notes at end of table.

Table 3.2.2. Screener response rate after reminder mailing, by reminder condition and selected household characteristics: 2019–Continued

Selected household characteristics ¹	Number of eligible households included in response rate	Screener response rate (percentage) after second mailing		<i>t</i> statistic
		Pressure-sealed envelope	Reminder postcard	
Home tenure				
Own	37,360	42.86	38.86	6.68 *
Rent	12,040	27.50	23.19	5.42 *
Missing	8,560	26.18	21.40	5.40 *
Number of adults in household				
1	27,880	33.78	29.42	7.46 *
2	16,040	45.29	41.80	4.15 *
3	4,400	45.10	41.22	2.72 *
4 or more	1,490	47.79	41.28	2.25 *
Missing	8,140	27.45	23.31	4.15 *
Household flagged as having children				
Yes	11,330	38.18	34.97	3.23 *
No	46,620	37.29	32.88	9.54 *
Ability to match address to phone number				
Phone number available	38,930	40.12	36.38	6.87 *
No phone number available	19,020	31.82	26.91	7.45 *
Route type				
Street	44,450	39.76	35.75	7.61 *
P.O. box	410	33.86	30.46	0.75
Rural route	20	‡	‡	†
High rise	13,080	29.39	24.55	6.24 *
Dwelling type				
Single unit	43,190	40.13	36.17	7.40 *
Multi-unit	14,370	29.08	24.20	6.55 *
Missing	410	33.86	30.46	0.75
Vacancy status				
Flagged as vacant	700	23.49	19.15	1.38
Not flagged as vacant	57,260	37.64	33.45	9.73 *
Seasonal address type				
Seasonal or educational seasonal delivery	360	51.51	44.27	1.27
No seasonal delivery	57,600	37.37	33.21	9.73 *
Drop point address type				
Drop point	910	27.92	23.91	1.53
Not a drop point	57,050	37.62	33.42	9.75 *

See notes at end of table.

Table 3.2.2. Screener response rate after reminder mailing, by reminder condition and selected household characteristics: 2019–Continued

Selected household characteristics ¹	Number of eligible households included in response rate	Screener response rate (percentage) after second mailing		<i>t</i> statistic
		Pressure-sealed envelope	Reminder postcard	
Census region				
Northeast	10,000	36.95	32.94	4.12 *
South	23,190	35.12	30.46	7.06 *
Midwest	11,950	41.11	37.86	3.13 *
West	12,820	38.33	33.96	4.74 *
Race/ethnicity stratum				
25% or more Black	11,000	27.68	22.88	5.73 *
40% or more Hispanic	8,740	25.40	21.14	4.92 *
Other	38,220	40.96	36.93	7.45 *
Tract poverty rate				
20 percent or higher	16,710	28.64	22.81	7.66 *
Below 20 percent	41,250	40.36	36.76	7.06 *
Extent of missing frame information ²				
High	10,900	29.32	24.56	5.39 *
Medium	19,330	35.50	31.01	6.94 *
Low	27,730	41.91	38.21	5.76 *
Census Low Response Score ³				
First quartile (low)	15,260	46.24	42.42	4.39 *
Second quartile	14,700	39.49	36.46	4.11 *
Third quartile	14,130	34.80	28.74	7.96 *
Fourth quartile (high)	13,560	25.02	20.74	5.74 *
Percent of persons in block group without a high school diploma ⁴				
First quartile (low)	14,910	44.80	40.62	4.37 *
Second quartile	14,510	39.80	36.99	3.36 *
Third quartile	14,360	35.65	30.53	6.31 *
Fourth quartile (high)	14,150	26.40	21.77	5.65 *
Percent of persons in block group who are Black ⁴				
First quartile (low)	14,690	40.42	36.61	3.78 *
Second quartile	14,740	40.81	36.98	4.90 *
Third quartile	14,650	37.36	32.81	5.68 *
Fourth quartile (high)	13,860	28.96	24.48	4.99 *

See notes at end of table.

Table 3.2.2. Screener response rate after reminder mailing, by reminder condition and selected household characteristics: 2019–Continued

Selected household characteristics ¹	Number of eligible households included in response rate	Screener response rate (percentage) after second mailing		<i>t</i> statistic
		Pressure-sealed envelope	Reminder postcard	
Percent of persons in block group speaking a non-English language ⁴				
First quartile (low)	14,270	39.06	34.98	4.84 *
Second quartile	14,580	40.30	37.05	3.75 *
Third quartile	14,590	39.44	34.23	5.99 *
Fourth quartile (high)	14,490	29.47	25.32	5.42 *
Bilingual screener mailed ⁵				
Yes	42,650	36.03	31.70	8.80 *
No	15,310	41.06	37.34	4.55 *

† Not applicable.

‡ Reporting standards not met. Either there are too few cases for a reliable estimate or the coefficient of variation (CV) is 50 percent or greater.

* $p < 0.05$.

¹ Unless indicated otherwise, the selected characteristics are based on available frame variables.

² Extent of missing frame information was determined based on the number of variables for which the address was missing information on the frame. This analysis is limited to variables for which there is an explicit missing category (as opposed to variables for which a lack of data implies either a lack of the tract in question or that the information is missing). “High missing” cases are cases missing information for 4 or more frame variables, “medium missing” cases are cases missing information for 1 to 3 frame variables, and “low missing” cases are those that were not missing information for any of the frame variables.

³ The Census Low Response Score is a derived variable that identifies block groups with characteristics associated with low mail return rates to the 2010 Decennial Census. A higher low response score corresponds to a lower expected mail return rate. This variable was not available for a very small number of cases, and these cases have been excluded from this analysis. Cases that are in the first quartile are those that were expected to be the most likely to participate and those that are in the fourth quartile are those that were expected to be the least likely to participate.

⁴ Percentages are based on block-level American Community Survey data (2013-2017). Cases in the first quartile were those with the lowest prevalence of the characteristic in question and those that are in the fourth quartile are those with the highest prevalence.

⁵ Variable is from the NHES:2019 data collection operation files.

NOTE: Response rates were calculated using American Association for Public Opinion Research (AAPOR) Response Rate 1 (RR1). Percentages represent the proportion of eligible sampled households (excluding undeliverable and out-of-scope addresses) that completed the screener after the specified mailing. Response is attributed to a mailing if the response was received three or more days after that mailing was sent and less than three days after the next mailing was sent. Unweighted sample size (excluding undeliverable and out-of-scope addresses) was 36,700 for the pressure-sealed envelope condition and 21,260 for the reminder postcard condition. Sample sizes have been rounded to the nearest 10. Detail may not sum to totals because of rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Household Education Surveys Program (NHES), 2019. U.S. Census Bureau, American Community Survey (ACS), 2013-2017.

Table 3.3.1. Screener response rate, by FedEx condition and response mode: 2019

Response mode	Screener response rate (percentage)				<i>t</i> statistic					
	Random FedEx 2nd	Random FedEx 3rd	Random FedEx 4th	Modeled FedEx ¹	Random FedEx 2nd vs. random FedEx 3rd	Random FedEx 2nd vs. random FedEx 4th	Random FedEx 3rd vs. random FedEx 4th	Modeled FedEx vs. random FedEx 2nd	Modeled FedEx vs. random FedEx 3rd	Modeled FedEx vs. random FedEx 4th
Overall	58.38	58.92	57.40	58.34	-1.31	2.20 *	4.05 *	-0.07	-1.30	2.31 *
Web	41.24	34.92	36.09	39.72	14.64 *	10.53 *	-2.89 *	-3.19 *	9.50 *	7.40 *
Paper	12.53	19.69	17.84	14.65	-22.87 *	-14.27 *	5.02 *	6.16 *	-15.53 *	-8.70 *
Inbound telephone	4.61	4.31	3.47	3.98	1.66	6.21 *	5.00 *	-3.00 *	-1.96 *	2.71 *

* $p < 0.05$.

¹In this condition, a predictive model was used to classify cases into two groups: (1) FedEx-high-priority cases that should receive FedEx earlier in the screener phase (second screener package), (2) FedEx-low-priority cases that should receive it later in the screener phase (fourth screener package).

NOTE: Response rates were calculated using American Association for Public Opinion Research (AAPOR) Response Rate 1 (RR1). Percentages represent the proportion of sampled households (excluding undeliverable and out-of-scope addresses) that were respondents to the screener questionnaire. This analysis excludes P.O. box addresses because they are not able to receive FedEx mailings. Unweighted sample size 21,130 for the random FedEx 2nd condition, 36,450 for the random FedEx 3rd condition, 21,200 for the random FedEx 4th condition, and 21,150 for the modeled FedEx condition. Sample sizes have been rounded to the nearest 10. Detail may not sum to totals because of rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Household Education Surveys Program (NHES), 2019.

Table 3.3.2. Percentage point gain in screener response rate after each mailing, by FedEx condition, mailing, and response mode: 2019

Mailing and response mode	Percentage point gain in screener response rate				<i>t</i> statistic					
	Random FedEx 2nd	Random FedEx 3rd	Random FedEx 4th	Modeled FedEx ¹	Random FedEx 2nd vs. random FedEx 3rd	Random FedEx 2nd vs. random FedEx 4th	Random FedEx 3rd vs. random FedEx 4th	Modeled FedEx vs. random FedEx 2nd	Modeled FedEx vs. random FedEx 3rd	Modeled FedEx vs. random FedEx 4th
Initial screener package										
Overall	17.69	18.80	18.14	17.66	-3.09 *	-1.05	1.75	-0.08	-3.18 *	-1.21
Web	16.85	17.88	17.40	16.90	-2.84 *	-1.27	1.35	0.12	-2.78 *	-1.24
Paper ²	#	#	#	#	†	†	†	†	†	†
Inbound telephone	0.84	0.92	0.75	0.76	-1.01	1.19	2.05 *	-0.87	-1.73	0.16
Reminder postcard/pressure-sealed envelope										
Overall	15.94	14.27	15.85	15.93	5.19 *	0.23	-5.15 *	-0.03	5.55 *	0.23
Web	14.01	12.14	14.08	14.11	6.07 *	-0.20	-6.86 *	0.29	6.65 *	0.10
Paper ²	0.05!	0.04	0.03!	0.07	0.64	1.08	0.64	0.54	1.37	1.65
Inbound telephone	1.88	2.09	1.74	1.75	-1.74	1.11	2.60 *	-0.98	-2.62 *	0.06
Second screener package										
Overall	10.98	4.55	4.05	8.72	23.68 *	25.21 *	2.86 *	-7.89 *	18.86 *	19.65 *
Web	9.48	4.05	3.68	7.83	20.60 *	22.10 *	2.18 *	-6.17 *	17.47 *	18.27 *
Paper ²	‡	0.01!	‡	‡	†	†	†	†	†	†
Inbound telephone	1.49	0.49	0.36	0.88	12.02 *	14.03 *	2.54 *	-6.35 *	4.91 *	7.36 *
Third screener package										
Overall	8.89	16.14	9.98	9.89	-27.52 *	-4.34 *	22.67 *	3.51 *	-20.04 *	-0.31
Web	0.66	0.68	0.70	0.66	-0.29	-0.42	-0.20	0.02	-0.29	-0.38
Paper	7.97	14.77	9.02	8.85	-27.59 *	-4.33 *	21.38 *	3.30 *	-20.38 *	-0.62
Inbound telephone	0.25	0.69	0.26	0.38	-7.14 *	-0.18	6.97 *	2.60 *	-5.36 *	2.10 *
Fourth screener package										
Overall	4.87	5.17	9.37	6.14	-1.54	-17.68 *	-17.87 *	5.07 *	4.68 *	-10.36 *
Web	0.24	0.17	0.24	0.22	1.63	-0.02	-1.76	-0.43	1.33	-0.45
Paper	4.49	4.87	8.78	5.71	-2.08 *	-18.15 *	-16.76 *	5.30 *	4.30 *	-10.50 *
Inbound telephone	0.15	0.13	0.35	0.21	0.69	-4.02 *	-5.10 *	1.57	2.37 *	-2.64 *

† Not applicable

Rounds to zero

! Interpret with caution. The coefficient of variation (CV) is between 30 and 50 percent.

‡ Reporting standards not met. Either there are too few cases for a reliable estimate or the coefficient of variation (CV) is 50 percent or greater.

* $p < 0.05$.

¹In this condition, a predictive model was used to classify cases into two groups: (1) FedEx-high-priority cases that should receive FedEx earlier in the screener phase (second screener package), (2) FedEx-low-priority cases that should receive it later in the screener phase (fourth screener package).

²Within the web-push conditions, sample members could receive a paper questionnaire prior to the third screener package by calling the Census Bureau and requesting one.

NOTE: Response rates were calculated using American Association for Public Opinion Research (AAPOR) Response Rate 1 (RR1). Percentages represent the proportion of eligible sampled households (excluding undeliverable and out-of-scope addresses) that completed the screener after the specified mailing. Response is attributed to a mailing if the response was received one day after that mailing was sent and less than one day after the next mailing was sent. This analysis excludes P.O. box addresses because they are not able to receive FedEx mailings. Unweighted sample size 21,130 for the random FedEx 2nd condition, 36,450 for the random FedEx 3rd condition, 21,200 for the random FedEx 4th condition, and 21,150 for the modeled FedEx condition. Sample sizes have been rounded to the nearest 10. Detail may not sum to totals because of rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Household Education Surveys Program (NHES), 2019.

Table 3.3.3. Screener response rate, by FedEx condition and selected household characteristics: 2019

Selected household characteristics ¹	Number of eligible households included in response rate calculation	Screener response rate (percentage)				<i>t</i> statistic					
		Random FedEx 2nd	Random FedEx 3rd	Random FedEx 4th	Modeled FedEx ²	Random FedEx 2nd vs. random FedEx 3rd	Random FedEx 2nd vs. random FedEx 4th	Random FedEx 3rd vs. random FedEx 4th	Modeled FedEx vs. random FedEx 2nd	Modeled FedEx vs. random FedEx 3rd	Modeled FedEx vs. random FedEx 4th
Gender of head of household											
Male	33,660	62.05	62.33	61.52	62.26	-0.40	0.64	1.16	0.26	-0.10	0.93
Female	29,820	59.83	60.59	58.80	60.20	-1.03	1.34	2.42 *	0.40	-0.49	1.66
Missing	36,450	53.79	54.31	52.15	53.14	-0.83	2.30 *	3.52 *	-0.87	-1.70	1.33
Age of head of household											
18-34	8,620	50.43	51.68	48.37	51.67	-0.90	1.28	2.15 *	0.74	-0.01	1.96
35-44	12,300	53.71	52.27	51.78	53.18	1.35	1.45	0.44	-0.41	0.76	1.18
45-54	14,430	57.50	59.34	57.25	58.87	-1.66	0.19	1.92	1.08	-0.45	1.32
55-65	17,350	67.39	69.12	66.32	66.71	-1.76	1.04	3.07 *	-0.60	-2.61 *	0.37
Over 65	19,590	73.80	76.18	75.32	74.73	-2.46 *	-1.52	1.09	0.92	-1.67	-0.61
Missing	27,640	46.15	44.59	43.36	44.88	2.07 *	3.16 *	1.62	-1.51	0.37	1.74
Marital status of head of household											
Single	33,010	52.41	53.45	51.51	54.49	-1.27	1.05	2.59 *	2.11 *	1.20	3.77 *
Married	50,690	65.31	66.33	65.07	64.77	-1.74	0.37	2.30 *	-0.91	-2.86 *	-0.49
Missing	16,220	48.11	45.61	43.64	44.94	2.35 *	3.88 *	2.12 *	-2.42 *	-0.71	1.11
Race/ethnicity of head of household											
White	48,580	65.88	66.82	65.12	65.89	-1.73	1.33	3.22 *	0.02	-1.49	1.20
Black	11,030	46.58	46.57	47.98	48.07	0.01	-1.08	-1.11	1.03	1.03	0.06
Hispanic	11,670	43.58	46.32	42.80	45.28	-1.82	0.50	2.68 *	0.99	-0.84	1.57
Asian/Pacific Islander or Other	3,940	58.88	58.05	58.65	60.29	0.41	0.09	-0.23	0.58	0.96	0.58
Missing	24,710	52.41	52.05	49.90	51.14	0.46	2.63 *	2.66 *	-1.34	-1.14	1.34

See notes at end of table.

Table 3.3.3. Screener response rate, by FedEx condition and selected household characteristics: 2019–Continued

Selected household characteristics ¹	Number of eligible households included in response rate calculation	Screener response rate (percentage)				<i>t</i> statistic					
		Random FedEx 2nd	Random FedEx 3rd	Random FedEx 4th	Modeled FedEx ²	Random FedEx 2nd vs. random FedEx 3rd	Random FedEx 2nd vs. random FedEx 4th	Random FedEx 3rd vs. random FedEx 4th	Modeled FedEx vs. random FedEx 2nd	Modeled FedEx vs. random FedEx 3rd	Modeled FedEx vs. random FedEx 4th
Highest education level of head household											
Less than high school diploma	10,730	47.01	48.31	46.40	48.12	-0.82	0.38	1.56	0.65	-0.15	1.10
High school diploma	22,010	60.08	60.84	59.07	59.36	-0.87	1.05	2.09 *	-0.76	-1.70	0.28
Some college	21,450	58.04	58.69	58.26	58.42	-0.72	-0.22	0.46	0.35	-0.28	0.16
Bachelor's degree	14,190	68.16	67.12	66.48	69.49	1.10	1.18	0.57	1.12	2.41 *	2.38 *
Graduate degree	8,960	68.62	71.81	67.98	69.48	-2.59 *	0.40	2.87 *	0.57	-1.69	0.96
Missing	22,590	51.43	50.86	48.89	49.95	0.72	2.68 *	2.43 *	-1.53	-1.03	1.07
Household income											
Less than \$25,000	16,010	49.63	51.65	49.58	52.14	-1.86	0.04	1.92	1.82	0.42	2.49 *
\$25,000-\$49,999	21,530	58.57	58.76	57.10	58.51	-0.20	1.55	2.04 *	-0.06	-0.26	1.46
\$50,000-\$74,999	14,420	62.41	63.59	61.21	61.75	-1.12	0.91	1.98 *	-0.56	-1.69	0.44
\$75,000-\$99,999	11,940	63.67	65.51	64.30	65.21	-1.64	-0.46	1.02	1.24	-0.28	0.69
\$100,000-\$149,999	12,410	63.24	62.97	62.68	60.61	0.23	0.39	0.24	-1.78	-1.90	-1.42
\$150,000 or more	9,540	67.65	69.23	66.42	69.19	-1.14	0.79	2.25 *	0.96	-0.03	1.81
Missing	14,080	47.90	45.22	44.56	44.98	2.44 *	2.94 *	0.58	-2.52 *	-0.21	0.34
Home tenure											
Own	64,520	65.21	66.57	64.93	65.77	-2.73 *	0.47	3.39 *	1.09	-1.54	1.57
Rent	20,860	45.60	45.25	44.18	45.08	0.38	1.46	1.07	-0.48	-0.19	0.85
Missing	14,550	44.09	42.07	40.35	42.47	1.80	3.28 *	1.55	-1.24	0.41	1.69
Number of adults in household											
1	47,880	53.55	54.02	52.67	54.21	-0.72	1.31	2.66 *	0.84	0.30	2.41 *
2	27,930	67.89	69.72	66.65	67.86	-2.44 *	1.42	3.85 *	-0.03	-2.52 *	1.50
3	7,650	69.51	70.58	70.14	68.92	-0.66	-0.38	0.34	-0.34	-1.11	-0.82
4 or more	2,510	65.71	68.86	68.76	64.68	-1.28	-1.08	0.04	-0.37	-1.58	-1.75
Missing	13,960	47.71	45.13	44.32	44.99	2.33 *	2.98 *	0.73	-2.35 *	-0.13	0.54
Household flagged as having children											
Yes	19,470	57.58	59.93	57.91	57.59	-2.57 *	-0.32	2.33 *	0.01	-2.50 *	-0.28
No	80,460	58.57	58.67	57.28	58.53	-0.22	2.66 *	3.28 *	-0.07	-0.30	2.70 *

See notes at end of table.

Table 3.3.3. Screener response rate, by FedEx condition and selected household characteristics: 2019–Continued

Selected household characteristics ¹	Number of eligible households included in response rate calculation	Screener response rate (percentage)				<i>t</i> statistic					
		Random FedEx 2nd	Random FedEx 3rd	Random FedEx 4th	Modeled FedEx ²	Random FedEx 2nd vs. random FedEx 3rd	Random FedEx 2nd vs. random FedEx 4th	Random FedEx 3rd vs. random FedEx 4th	Modeled FedEx vs. random FedEx 2nd	Modeled FedEx vs. random FedEx 3rd	Modeled FedEx vs. random FedEx 4th
Ability to match address to phone number											
Phone number available	67,470	61.86	63.22	61.72	62.09	-2.66 *	0.25	2.98 *	0.41	-2.13 *	0.73
No phone number available	32,450	51.12	49.95	47.93	50.26	1.89	4.09 *	2.87 *	-0.98	0.41	2.72 *
Route type											
Street	77,240	61.08	62.24	60.60	61.36	-2.36 *	0.91	3.87 *	0.55	-1.81	1.57
P.O. box	†	†	†	†	†	†	†	†	†	†	†
Rural route	50	‡	‡	‡	†	†	†	†	†	†	†
High rise	22,640	48.57	47.02	45.99	47.52	1.84	2.64 *	1.21	-0.92	0.52	1.37
Dwelling type											
Single unit	75,040	61.64	62.86	61.19	61.79	-2.47 *	0.81	3.81 *	0.28	-2.20 *	1.23
Multi-unit	24,890	47.85	46.38	45.43	47.25	1.83	2.57 *	1.16	-0.57	0.98	1.73
Missing	†	†	†	†	†	†	†	†	†	†	†
Vacancy status											
Flagged as vacant	1,140	43.09	45.33	38.74	39.91	-0.53	0.99	1.53	-0.60	-1.22	0.26
Not flagged as vacant	98,790	58.53	59.07	57.62	58.56	-1.29	1.98 *	3.80 *	0.06	-1.15	2.28 *
Seasonal address type											
Seasonal or educational seasonal delivery	600	78.63	75.49	69.75	75.82	0.62	1.54	1.14	-0.56	0.07	0.93
No seasonal delivery	99,330	58.25	58.81	57.33	58.23	-1.35	2.10 *	3.95 *	-0.05	-1.32	2.20 *
Drop point address type											
Drop point	1,580	50.80	46.02	50.32	42.96	1.32	0.11	-1.18	-1.87	-0.90	-1.73
Not a drop point	98,350	58.49	59.11	57.51	58.59	-1.49	2.19 *	4.16 *	0.20	-1.17	2.55 *
Census region											
Northeast	17,230	58.44	60.08	58.66	59.49	-1.61	-0.20	1.59	0.86	-0.61	0.73
South	40,030	55.09	55.34	53.51	55.64	-0.34	2.03 *	2.93 *	0.66	0.41	2.94 *
Midwest	20,630	63.29	64.04	63.33	61.72	-0.79	-0.05	0.84	-1.44	-2.68 *	-1.68
West	22,040	59.17	59.14	57.22	58.77	0.04	1.85	2.03 *	-0.42	-0.45	1.48

See notes at end of table.

Table 3.3.3. Screener response rate, by FedEx condition and selected household characteristics: 2019–Continued

Selected household characteristics ¹	Number of eligible households included in response rate calculation	Screener response rate (percentage)				<i>t</i> statistic					
		Random FedEx 2nd	Random FedEx 3rd	Random FedEx 4th	Modeled FedEx ²	Random FedEx 2nd vs. random FedEx 3rd	Random FedEx 2nd vs. random FedEx 4th	Random FedEx 3rd vs. random FedEx 4th	Modeled FedEx vs. random FedEx 2nd	Modeled FedEx vs. random FedEx 3rd	Modeled FedEx vs. random FedEx 4th
Race/ethnicity stratum											
25% or more Black	19,120	44.30	45.31	45.35	45.59	-1.06	-0.94	-0.05	1.14	0.25	0.23
40% or more Hispanic	15,040	43.99	45.02	40.96	44.02	-0.88	2.43 *	3.70 *	0.03	-1.02	2.42 *
Other	65,760	63.05	63.43	61.97	62.74	-0.76	2.04 *	3.15 *	-0.51	-1.35	1.59
Tract poverty rate											
20 percent or higher	28,840	46.62	45.80	45.03	46.69	1.06	1.89	0.91	0.07	1.02	1.99 *
Below 20 percent	71,090	62.25	63.28	61.49	62.20	-2.11 *	1.48	4.10 *	-0.10	-2.37 *	1.55
Extent of missing frame information ³											
High	18,790	49.24	47.39	45.61	46.82	2.07 *	3.57 *	1.87	-2.29 *	-0.62	1.03
Medium	32,790	54.84	56.26	54.97	55.49	-1.96	-0.16	1.73	0.75	-1.06	0.63
Low	48,340	64.25	65.08	63.30	64.65	-1.41	1.58	3.21 *	0.55	-0.66	1.82
Census Low Response Score ⁴											
First quartile (low)	26,350	68.30	70.44	69.83	68.96	-2.92 *	-1.83	0.81	0.80	-1.98 *	-1.10
Second quartile	25,340	62.07	63.17	59.56	62.24	-1.53	2.90 *	4.28 *	0.19	-1.19	2.94 *
Third quartile	24,460	54.60	54.04	53.90	53.92	0.57	0.68	0.18	-0.69	-0.15	0.02
Fourth quartile (high)	23,310	42.44	41.66	39.97	41.96	0.86	2.58 *	1.82	-0.45	0.30	2.00 *
Percent of persons in block group without a high school diploma ⁵											
First quartile (low)	25,670	66.41	66.46	64.62	65.63	-0.07	2.20 *	2.69 *	-0.88	-1.17	1.34
Second quartile	25,130	61.69	63.53	61.20	62.98	-2.52 *	0.58	2.79 *	1.47	-0.67	1.85
Third quartile	24,830	56.29	56.63	55.84	55.74	-0.41	0.48	0.92	-0.57	-0.93	-0.10
Fourth quartile (high)	24,260	45.44	45.38	43.98	45.31	0.06	1.81	1.66	-0.15	-0.08	1.46
Percent of persons in block group who are Black ⁵											
First quartile (low)	25,270	63.68	63.44	63.75	63.96	0.28	-0.08	-0.38	0.32	0.68	0.26
Second quartile	25,410	62.64	64.43	60.90	62.77	-1.99 *	1.73	4.20 *	0.15	-2.07 *	2.45 *
Third quartile	25,220	57.29	57.65	55.82	56.63	-0.47	1.58	2.25 *	-0.73	-1.22	0.87
Fourth quartile (high)	23,990	46.70	47.20	46.04	46.95	-0.57	0.71	1.37	0.26	-0.23	0.93

See notes at end of table.

Table 3.3.3. Screener response rate, by FedEx condition and selected household characteristics: 2019–Continued

Selected household characteristics ¹	Number of eligible households included in response rate calculation	Screener response rate (percentage)				<i>t</i> statistic					
		Random FedEx 2nd	Random FedEx 3rd	Random FedEx 4th	Modeled FedEx ²	Random FedEx 2nd vs. random FedEx 3rd	Random FedEx 2nd vs. random FedEx 4th	Random FedEx 3rd vs. random FedEx 4th	Modeled FedEx vs. random FedEx 2nd	Modeled FedEx vs. random FedEx 3rd	Modeled FedEx vs. random FedEx 4th
Percent of persons in block group speaking a non-English language ⁵											
First quartile (low)	24,480	62.20	62.46	62.11	60.84	-0.33	0.10	0.42	-1.53	-2.04 *	-1.35
Second quartile	25,110	62.53	63.97	61.87	64.11	-1.77	0.71	2.32 *	1.52	0.14	2.32 *
Third quartile	25,210	58.00	58.84	57.08	58.72	-1.11	1.04	2.29 *	0.79	-0.14	1.88
Fourth quartile (high)	25,090	49.05	48.39	46.48	47.47	0.72	2.55 *	1.80	-1.73	-0.99	0.86
Bilingual screener mailed ⁶											
Yes	73,510	56.30	56.44	54.86	56.04	-0.27	2.72 *	3.23 *	-0.46	-0.79	2.44 *
No	26,420	63.53	65.26	63.85	64.13	-2.35 *	-0.36	1.77	0.61	-1.25	0.28
Paper sensitivity classification ⁷											
Paper sensitive	15,600	70.17	72.99	70.80	70.19	-2.78 *	-0.61	2.61 *	0.02	-2.82 *	-0.57
Not paper sensitive	84,330	56.10	56.24	54.84	56.08	-0.34	2.65 *	3.38 *	-0.05	-0.33	2.63 *
Contiguous U.S.											
Yes	99,500	58.35	58.94	57.43	58.32	-1.41	2.09 *	4.03 *	-0.07	-1.39	2.16 *
No	430	64.37	55.35	52.22	63.54	1.39	1.52	0.48	-0.11	1.10	1.47

† Not applicable

‡ Reporting standards not met. Either there are too few cases for a reliable estimate or the coefficient of variation (CV) is 50 percent or greater.

* $p < 0.05$.

¹Unless indicated otherwise, the selected characteristics are based on available frame variables.

²In this condition, a predictive model was used to classify cases into two groups: (1) FedEx-high-priority cases that should receive FedEx earlier in the screener phase (2nd mailing), (2) FedEx-low-priority cases that should receive it later in the screener phase (4th mailing).

³Extent of missing frame information was determined based on the number of variables for which the address was missing information on the frame. This analysis is limited to variables for which there is an explicit missing category (as opposed to variables for which a lack of data implies either a lack of the tract in question or that the information is missing). “High missing” cases are cases missing information for 4 or more frame variables, “medium missing” cases are cases missing information for 1 to 3 frame variables, and “low missing” cases are those that were not missing information for any of the frame variables.

⁴The Census Low Response Score is a derived variable that identifies block groups with characteristics associated with low mail return rates to the 2010 Decennial Census. A higher low response score corresponds to a lower expected mail return rate. This variable was not available for a very small number of cases, and these cases have been excluded from this analysis. Cases that are in the first quartile are those that were expected to be the most likely to participate and those that are in the fourth quartile are those that were expected to be the least likely to participate.

⁵Percentages are based on block-level American Community Survey data (2013-2017). Cases in the first quartile were those with the lowest prevalence of the characteristic in question and those that are in the fourth quartile are those with the highest prevalence.

⁶Variable is from the NHES:2019 data collection operation files.

⁷ A predictive model was used to classify cases into two groups: (1) paper-sensitive cases, which are the most likely to prefer to respond by paper (15 percent of cases) and (2) non-paper-sensitive cases, which do not have as much of a preference to respond by paper (85 percent of cases).

NOTE: Response rates were calculated using American Association for Public Opinion Research (AAPOR) Response Rate 1 (RR1). Percentages represent the proportion of sampled households (excluding undeliverable and out-of-scope addresses) that were respondents to the screener. This analysis excludes P.O. box addresses because they are not able to receive FedEx mailings. Unweighted sample size was 21,130 for the random FedEx 2nd condition, 36,450 for the random FedEx 3rd condition, 21,200 for the random FedEx 4th condition, and 21,150 for the modeled FedEx condition. Sample sizes have been rounded to the nearest 10. Detail may not sum to totals because of rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Household Education Surveys Program (NHES), 2019. U.S. Census Bureau, American Community Survey (ACS), 2013-2017.

Table 3.3.4. Percentage of screener respondents who reported at least one child eligible for the topical surveys, by FedEx condition and questionnaire: 2019

Questionnaire	Percentage reporting at least one eligible child				<i>t</i> statistic					
	Random FedEx 2nd	Random FedEx 3rd	Random FedEx 4th	Modeled FedEx ¹	Random FedEx 2nd vs. random FedEx 3rd	Random FedEx 2nd vs. random FedEx 4th	Random FedEx 3rd vs. random FedEx 4th	Modeled FedEx vs. random FedEx 2nd	Modeled FedEx vs. random FedEx 3rd	Modeled FedEx vs. random FedEx 4th
Overall	24.99	25.45	25.38	25.59	-0.90	-0.64	0.12	1.13	0.28	0.33
ECPP	8.37	9.16	9.37	9.41	-2.01 *	-2.58 *	-0.61	2.53 *	0.70	0.10
PFI	20.57	20.94	20.68	20.80	-0.79	-0.21	0.50	0.49	-0.35	0.21

* $p < 0.05$.

¹ In this condition, a predictive model was used to classify cases into two groups: (1) FedEx-high-priority cases that should receive FedEx earlier in the screener phase (2nd mailing), (2) FedEx-low-priority cases that should receive it later in the screener phase (4th mailing).

NOTE: Percentages represent the proportion of screener respondent households that reported at least one child on the screener who was eligible for a topical survey. Screener respondent households may have been eligible for more than one topical; as a result, the topical-specific results do not sum to the overall result. This analysis excludes P.O. box addresses because they are not able to receive FedEx mailings. Unweighted sample size was 11,960 for the random FedEx 2nd condition, 20,840 for the random FedEx 3rd condition, 11,790 for the random FedEx 4th condition, and 11,980 for the modeled FedEx condition. Sample sizes have been rounded to the nearest 10.

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Household Education Surveys Program (NHES), 2019.

Table 3.3.5. Topical response rate, by FedEx condition, questionnaire, and response mode: 2019

Questionnaire and response mode	Topical response rate (percentage)				<i>t</i> statistic					
	Random FedEx 2nd	Random FedEx 3rd	Random FedEx 4th	Modeled FedEx ¹	Random FedEx 2nd vs. random FedEx 3rd	Random FedEx 2nd vs. random FedEx 4th	Random FedEx 3rd vs. random FedEx 4th	Modeled FedEx vs. random FedEx 2nd	Modeled FedEx vs. random FedEx 3rd	Modeled FedEx vs. random FedEx 4th
ECPP										
Overall	88.90	84.00	84.85	88.59	2.71 *	1.71	-0.39	-0.18	3.03 *	1.83
Web	93.86	92.87	92.20	94.49	0.69	1.04	0.46	0.44	1.20	1.67
Paper	66.52	67.29	66.71	66.21	-0.14	-0.03	0.11	-0.05	-0.26	-0.08
Inbound telephone	‡	‡	‡	‡	†	†	†	†	†	†
PFI										
Overall	87.09	81.84	83.05	85.13	4.33 *	2.45 *	-0.78	-1.40	2.75 *	1.46
Web	92.75	92.50	93.26	92.36	0.19	-0.42	-0.65	-0.30	-0.13	-0.80
Paper	63.49	63.13	61.58	62.67	0.11	0.48	0.47	-0.21	-0.15	0.33
Inbound telephone	89.61	90.09	‡	89.66	-0.06	†	†	0.01	-0.04	†

† Not applicable

‡ Reporting standards not met. Either there are too few cases for a reliable estimate or the coefficient of variation (CV) is 50 percent or greater.

**p* < 0.05.

¹In this condition, a predictive model was used to classify cases into two groups: (1) FedEx-high-priority cases that should receive FedEx earlier in the screener phase (2nd mailing), (2) FedEx-low-priority cases that should receive it later in the screener phase (4th mailing).

NOTE: ECPP is Early Childhood Program Participation topical survey. PFI is Parent and Family Involvement topical survey. Response rates were calculated using American Association for Public Opinion Research (AAPOR) Response Rate 1 (RRI). Percentages represent the proportion of eligible households that were respondents to the questionnaire. This analysis excludes P.O. box addresses because they are not able to receive FedEx mailings. Unweighted eligible sample size for the ECPP response rate was 850 for the random FedEx 2nd condition, 1,620 for the random FedEx 3rd condition, 921 for the random FedEx 4th condition, and 950 for the modeled FedEx condition. Unweighted eligible sample size for the PFI response rate was 2,150 for the random FedEx 2nd condition, 3,720 for the random FedEx 3rd condition, 2,100 for the random FedEx 4th condition, and 2,140 for the modeled FedEx condition. Sample sizes have been rounded to the nearest 10. Detail may not sum to totals due to rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Household Education Surveys Program (NHES), 2019.

Table 3.3.6. Overall response rate, by FedEx condition, questionnaire, and response mode: 2019

Questionnaire and response mode	Overall response rate (percentage)				<i>t</i> statistic					
	Random FedEx 2nd	Random FedEx 3rd	Random FedEx 4th	Modeled FedEx ¹	Random FedEx 2nd vs. random FedEx 3rd	Random FedEx 2nd vs. random FedEx 4th	Random FedEx 3rd vs. random FedEx 4th	Modeled FedEx vs. random FedEx 2nd	Modeled FedEx vs. random FedEx 3rd	Modeled FedEx vs. random FedEx 4th
ECPP										
Overall	51.90	49.50	48.71	51.69	2.22 *	2.28 *	0.61	-0.19	2.33 *	2.31 *
Web	38.70	32.43	33.28	37.53	9.12 *	7.64 *	-1.43	-1.53	7.76 *	6.25 *
Paper	8.34	13.25	11.90	9.70	-6.43 *	-3.54 *	1.37	1.62	-4.41 *	-2.12 *
Inbound telephone	4.61	4.18	3.29	3.57	1.88	4.94 *	3.12 *	-2.73 *	-1.56	0.66
PFI										
Overall	50.84	48.22	47.67	49.67	3.21 *	3.28 *	0.61	-1.31	1.78	2.07 *
Web	38.25	32.30	33.66	36.68	9.64 *	6.67 *	-2.43 *	-2.27 *	7.80 *	4.73 *
Paper	7.96	12.43	10.99	9.18	-8.11 *	-4.93 *	2.35 *	2.12 *	-5.62 *	-2.83 *
Inbound telephone	4.13	3.89	3.33	3.57	0.60	2.18 *	1.63	-1.31	-0.78	0.64

**p* < 0.05.

¹In this condition, a predictive model was used to classify cases into two groups: (1) FedEx-high-priority cases that should receive FedEx earlier in the screener phase (2nd mailing), (2) FedEx-low-priority cases that should receive it later in the screener phase (4th mailing).

NOTE: ECPP is Early Childhood Program Participation topical survey. PFI is Parent and Family Involvement topical survey. The overall response rate is the product of the screener response rate and the topical response rate. Screener and topical response rates were calculated using American Association for Public Opinion Research (AAPOR) Response Rate 1 (RR1). This analysis excludes P.O. box addresses because they are not able to receive FedEx mailings. Unweighted eligible sample size for the ECPP response rate was 21,130 for the random FedEx 2nd condition, 36,450 for the random FedEx 3rd condition, 21,200 for the random FedEx 4th condition, and 21,150 for the modeled FedEx condition. Unweighted eligible sample size for the PFI response rate was 21,130 for the random FedEx 2nd condition, 36,450 for the random FedEx 3rd condition, 21,200 for the random FedEx 4th condition, and 21,150 for the modeled FedEx condition. Sample sizes have been rounded to the nearest 10. Detail may not sum to totals due to rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Household Education Surveys Program (NHES), 2019.

Table 3.3.7. ECPP overall response rate, by FedEx condition and selected household characteristics: 2019

Selected household characteristics ¹	Number of eligible screener households included in response rate calculation	ECPP overall response rate (percentage)				<i>t</i> statistic					
		Random FedEx 2nd	Random FedEx 3rd	Random FedEx 4th	Modeled FedEx ²	Random FedEx 2nd vs. random FedEx 3rd	Random FedEx 2nd vs. random FedEx 4th	Random FedEx 3rd vs. random FedEx 4th	Modeled FedEx vs. random FedEx 2nd	Modeled FedEx vs. random FedEx 3rd	Modeled FedEx vs. random FedEx 4th
Gender of head of household											
Male	33,660	56.62	51.85	53.28	54.83	2.80 *	1.78	-0.81	-0.91	1.60	0.77
Female	29,820	52.00	51.38	48.51	53.51	0.31	1.20	1.07	0.74	1.26	1.85
Missing	36,450	47.31	45.73	44.28	47.21	0.91	1.57	0.81	-0.06	0.96	1.66
Age of head of household											
18-34	8,620	44.03	44.29	42.56	43.75	-0.11	0.59	0.77	-0.10	-0.21	0.45
35-44	12,300	51.12	46.41	46.03	48.21	2.34 *	2.38 *	0.18	-1.48	0.94	1.07
45-54	14,430	49.39	46.60	46.30	50.77	0.90	0.83	0.08	0.39	1.21	1.11
55-65	17,350	54.90	53.44	58.16	58.53	0.31	-0.78	-1.08	0.91	1.21	0.11
Over 65	19,590	50.70	64.45	61.84	66.44	-1.89	-1.46	0.56	2.11 *	0.46	0.94
Missing	27,640	41.88	36.71	35.20	40.51	3.16 *	3.08 *	0.72	-0.85	2.53 *	2.56 *
Marital status of head of household											
Single	33,010	44.66	44.35	43.41	47.21	0.17	0.61	0.46	1.38	1.56	1.90
Married	50,690	59.29	56.70	55.33	57.29	1.70	1.95	0.75	-1.27	0.45	1.05
Missing	16,220	42.42	36.03	37.19	42.44	2.24 *	1.78	-0.40	0.01	2.75 *	2.17 *
Race/ethnicity of head of household											
White	48,580	59.56	57.01	55.36	58.03	1.49	1.81	0.72	-0.91	0.63	1.19
Black	11,030	41.42	36.66	41.05	41.77	1.63	0.12	-1.37	0.10	1.47	0.20
Hispanic	11,670	36.38	38.02	37.80	40.02	-0.60	-0.53	0.10	1.29	0.90	1.01
Asian/Pacific Islander or Other	3,940	52.73	52.05	47.60	54.20	0.16	0.91	0.91	0.29	0.52	1.21
Missing	24,710	46.27	42.79	41.28	46.25	1.42	1.77	0.60	0.00	1.65	1.98 *

See notes at end of table.

Table 3.3.7. ECPP overall response rate, by FedEx condition and selected household characteristics: 2019–Continued

Selected household characteristics ¹	Number of eligible screener households included in response rate calculation	ECPP overall response rate (percentage)				<i>t</i> statistic					
		Random FedEx 2nd	Random FedEx 3rd	Random FedEx 4th	Modeled FedEx ²	Random FedEx 2nd vs. random FedEx 3rd	Random FedEx 2nd vs. random FedEx 4th	Random FedEx 3rd vs. random FedEx 4th	Modeled FedEx vs. random FedEx 2nd	Modeled FedEx vs. random FedEx 3rd	Modeled FedEx vs. random FedEx 4th
Highest education level of head household											
Less than high school diploma	10,730	40.88	38.31	38.79	43.44	0.88	0.65	-0.17	0.93	2.15 *	1.71
High school diploma	22,010	49.43	48.63	48.96	52.97	0.24	0.15	-0.11	1.15	1.56	1.52
Some college	21,450	52.18	49.67	48.68	49.47	1.27	1.00	0.29	-1.22	-0.09	0.22
Bachelor's degree	14,190	64.64	58.45	59.81	61.99	2.58 *	2.18 *	-0.55	-1.08	1.31	0.86
Graduate degree	8,960	62.01	62.48	57.23	62.21	-0.15	1.39	1.51	0.06	-0.08	1.31
Missing	22,590	44.66	42.82	41.05	45.68	0.70	1.22	0.69	0.40	1.41	1.89
Household income											
Less than \$25,000	16,010	42.76	39.77	42.51	44.44	1.20	0.10	-1.14	0.62	1.86	0.74
\$25,000-\$49,999	21,530	53.03	47.52	49.62	52.12	2.25 *	1.32	-0.79	-0.40	1.97 *	1.01
\$50,000-\$74,999	14,420	57.54	54.52	51.34	56.19	1.23	2.03 *	1.02	-0.48	0.58	1.42
\$75,000-\$99,999	11,940	57.27	58.33	55.75	58.31	-0.29	0.44	0.72	0.28	-0.01	0.70
\$100,000-\$149,999	12,410	56.37	54.98	51.87	51.28	0.66	1.17	0.85	-1.97 *	-1.60	-0.15
\$150,000 or more	9,540	58.74	58.29	56.60	64.91	0.11	0.49	0.45	1.69	2.25 *	2.34 *
Missing	14,080	40.75	38.41	36.81	40.39	0.77	1.10	0.50	-0.12	0.79	1.14
Home tenure											
Own	64,520	58.80	57.68	56.35	58.02	0.79	1.59	1.01	-0.53	0.27	1.21
Rent	20,860	39.50	35.04	36.63	39.42	2.29 *	1.42	-0.78	-0.04	2.26 *	1.39
Missing	14,550	37.41	33.28	31.31	39.30	1.53	1.46	0.48	0.80	2.72 *	2.05 *
Number of adults in household											
1	47,880	47.01	43.92	43.40	48.32	2.07 *	1.91	0.30	0.88	3.33 *	2.80 *
2	27,930	63.68	61.09	60.13	60.24	1.31	1.90	0.50	-1.71	-0.41	0.05
3	7,650	56.50	59.74	52.67	52.01	-0.63	0.55	1.13	-0.64	-1.23	-0.08
4 or more	2,510	44.90	54.25	51.52	54.43	-0.75	-0.41	0.18	0.81	0.02	0.20
Missing	13,960	40.32	38.25	36.55	41.04	0.67	1.04	0.53	0.24	1.13	1.44
Household flagged as having children											
Yes	19,470	51.42	49.82	49.91	50.82	0.73	0.62	-0.04	-0.27	0.47	0.38
No	80,460	52.00	49.45	48.40	51.91	2.04 *	2.38 *	0.74	-0.07	2.21 *	2.50 *

See notes at end of table.

Table 3.3.7. ECPP overall response rate, by FedEx condition and selected household characteristics: 2019–Continued

Selected household characteristics ¹	Number of eligible screener households included in response rate calculation	ECPP overall response rate (percentage)				<i>t</i> statistic					
		Random FedEx 2nd	Random FedEx 3rd	Random FedEx 4th	Modeled FedEx ²	Random FedEx 2nd vs. random FedEx 3rd	Random FedEx 2nd vs. random FedEx 4th	Random FedEx 3rd vs. random FedEx 4th	Modeled FedEx vs. random FedEx 2nd	Modeled FedEx vs. random FedEx 3rd	Modeled FedEx vs. random FedEx 4th
Ability to match address to phone number											
Phone number available	67,470	54.41	53.88	53.45	55.33	0.36	0.60	0.29	0.65	1.15	1.35
No phone number available	32,450	46.24	41.04	39.33	44.06	3.96 *	3.53 *	0.88	-1.47	2.07 *	2.30 *
Route type											
Street	77,240	54.67	52.46	52.06	53.90	1.74	1.61	0.27	-0.60	1.35	1.26
P.O. box	†	†	†	†	†	†	†	†	†	†	†
Rural route	50	#	#	#	#	†	†	†	†	†	†
High rise	22,640	41.47	38.63	35.96	44.17	1.25	2.10 *	0.99	1.31	2.58 *	3.27 *
Dwelling type											
Single unit	75,040	55.20	53.10	52.58	54.47	1.60	1.59	0.35	-0.55	1.26	1.29
Multi-unit	24,890	40.96	37.80	36.03	42.93	1.55	2.13 *	0.76	0.98	2.53 *	3.00 *
Missing	†	†	†	†	†	†	†	†	†	†	†
Vacancy status											
Flagged as vacant	1,140	39.91	45.33	38.74	30.30	-0.95	0.20	1.63	-1.26	-2.36 *	-1.30
Not flagged as vacant	98,790	52.00	49.55	48.83	51.99	2.23 *	2.25 *	0.56	-0.01	2.56 *	2.43 *
Seasonal address type											
Seasonal or educational seasonal delivery	600	‡	‡	‡	‡	†	†	†	†	†	†
No seasonal delivery	99,330	51.79	49.39	48.64	51.58	2.22 *	2.26 *	0.58	-0.19	2.34 *	2.28 *
Drop point address type											
Drop point	1,580	32.94!	41.03	47.15	32.90!	-0.73	-1.25	-1.09	0.00	-0.70	-1.20
Not a drop point	98,350	52.20	49.62	48.71	51.97	2.37 *	2.46 *	0.69	-0.21	2.46 *	2.48 *
Census region											
Northeast	17,230	50.65	52.54	49.84	52.31	-0.78	0.29	1.12	0.62	-0.10	0.93
South	40,030	47.97	45.51	46.55	49.43	1.46	0.83	-0.67	0.83	2.39 *	1.73
Midwest	20,630	57.83	52.38	53.46	54.24	2.26 *	1.69	-0.41	-1.50	0.77	0.30
West	22,040	53.66	51.03	47.17	52.59	1.37	2.02 *	1.21	-0.58	0.85	1.72

See notes at end of table.

Table 3.3.7. ECPP overall response rate, by FedEx condition and selected household characteristics: 2019–Continued

Selected household characteristics ¹	Number of eligible screener households included in response rate calculation	ECPP overall response rate (percentage)				<i>t</i> statistic					
		Random FedEx 2nd	Random FedEx 3rd	Random FedEx 4th	Modeled FedEx ²	Random FedEx 2nd vs. random FedEx 3rd	Random FedEx 2nd vs. random FedEx 4th	Random FedEx 3rd vs. random FedEx 4th	Modeled FedEx vs. random FedEx 2nd	Modeled FedEx vs. random FedEx 3rd	Modeled FedEx vs. random FedEx 4th
Race/ethnicity stratum											
25% or more Black	19,120	37.83	36.55	37.79	38.75	0.55	0.01	-0.54	0.35	0.96	0.37
40% or more Hispanic	15,040	36.71	37.42	35.49	40.24	-0.32	0.51	0.93	1.53	1.41	2.19 *
Other	65,760	56.90	53.71	52.55	55.71	2.27 *	2.39 *	0.67	-0.90	1.68	1.90
Tract poverty rate											
20 percent or higher	28,840	41.14	35.16	36.40	40.68	3.20 *	2.15 *	-0.55	-0.23	2.71 *	1.83
Below 20 percent	71,090	55.46	54.43	52.84	55.37	0.77	1.51	1.00	-0.07	0.84	1.60
Extent of missing frame information ³											
High	18,790	43.05	39.89	38.73	42.93	1.14	1.40	0.43	-0.05	1.38	1.63
Medium	32,790	50.09	45.86	44.40	48.55	2.67 *	2.50 *	0.65	-1.01	1.85	1.90
Low	48,340	56.12	56.11	55.98	57.30	0.01	0.07	0.09	0.60	0.75	0.76
Census Low Response Score ⁴											
First quartile (low)	26,350	61.18	61.50	59.02	61.35	-0.15	0.65	0.75	0.08	-0.07	0.70
Second quartile	25,340	57.24	54.21	51.43	55.52	1.64	2.85 *	1.37	-0.92	0.70	1.99 *
Third quartile	24,460	50.26	44.32	46.36	47.69	3.03 *	1.74	-0.88	-1.23	1.54	0.55
Fourth quartile (high)	23,310	33.57	32.53	32.55	36.65	0.51	0.49	-0.01	1.53	2.39 *	2.26 *
Percent of persons in block group without a high school diploma ⁵											
First quartile (low)	25,670	60.95	58.90	54.24	59.14	1.24	2.10 *	1.48	-1.02	0.15	1.53
Second quartile	25,130	58.35	54.53	54.07	56.69	2.18 *	2.13 *	0.23	-0.86	1.14	1.23
Third quartile	24,830	47.97	46.26	45.95	48.99	0.71	0.82	0.12	0.46	1.22	1.31
Fourth quartile (high)	24,260	37.57	35.22	37.13	38.95	1.11	0.20	-0.91	0.66	1.83	0.87
Percent of persons in block group who are Black ⁵											
First quartile (low)	25,270	57.68	54.37	53.01	56.63	1.51	1.47	0.43	-0.46	1.02	1.13
Second quartile	25,410	57.86	54.88	54.96	56.12	1.53	1.47	-0.04	-0.97	0.71	0.65
Third quartile	25,220	49.12	48.96	45.59	49.90	0.07	1.46	1.63	0.34	0.49	2.03 *
Fourth quartile (high)	23,990	40.12	36.89	38.75	41.50	1.45	0.60	-0.83	0.63	2.16 *	1.25

See notes at end of table.

Table 3.3.7. ECPP overall response rate, by FedEx condition and selected household characteristics: 2019–Continued

Selected household characteristics ¹	Number of eligible screener households included in response rate calculation	ECPP overall response rate (percentage)				<i>t</i> statistic					
		Random FedEx 2nd	Random FedEx 3rd	Random FedEx 4th	Modeled FedEx ²	Random FedEx 2nd vs. random FedEx 3rd	Random FedEx 2nd vs. random FedEx 4th	Random FedEx 3rd vs. random FedEx 4th	Modeled FedEx vs. random FedEx 2nd	Modeled FedEx vs. random FedEx 3rd	Modeled FedEx vs. random FedEx 4th
Percent of persons in block group speaking a non-English language ⁵											
First quartile (low)	24,480	56.10	51.50	53.53	52.98	1.92	1.10	-0.81	-1.29	0.58	-0.22
Second quartile	25,110	56.44	57.53	52.26	57.49	-0.52	1.19	1.61	0.44	-0.02	1.52
Third quartile	25,210	52.05	48.58	47.93	52.81	1.59	1.81	0.31	0.34	2.09 *	2.29 *
Fourth quartile (high)	25,090	41.94	39.07	39.54	41.54	1.48	1.19	-0.26	-0.20	1.35	1.04
Bilingual screener mailed ⁶											
Yes	73,510	49.68	47.11	45.97	49.39	2.22 *	2.50 *	0.86	-0.24	2.15 *	2.42 *
No	26,420	57.64	55.79	55.97	57.60	0.85	0.73	-0.08	-0.02	0.84	0.72
Paper sensitivity classification ⁷											
Paper sensitive	15,600	49.28	55.61	65.46	55.96	-0.77	-2.53 *	-1.57	0.89	0.05	-1.78
Not paper sensitive	84,330	50.37	47.50	46.30	49.97	2.85 *	3.00 *	0.95	-0.39	2.77 *	2.89 *
Contiguous U.S.											
Yes	99,500	51.93	49.56	48.69	51.63	2.18 *	2.30 *	0.67	-0.28	2.20 *	2.26 *
No	430	‡	37.26!	52.22	63.54	† †	† †	-1.17	† †	2.02 *	1.47

† Not applicable

Rounds to zero

! Interpret with caution. The coefficient of variation (CV) is between 30 and 50 percent.

‡ Reporting standards not met. Either there are too few cases for a reliable estimate or the coefficient of variation (CV) is 50 percent or greater.

**p* < 0.05.

¹Unless indicated otherwise, the selected characteristics are based on available frame variables.

²In this condition, a predictive model was used to classify cases into two groups: (1) FedEx-high-priority cases that should receive FedEx earlier in the screener phase (2nd mailing), (2) FedEx-low-priority cases that should receive it later in the screener phase (4th mailing).

³Extent of missing frame information was determined based on the number of variables for which the address was missing information on the frame. This analysis is limited to variables for which there is an explicit missing category (as opposed to variables for which a lack of data implies either a lack of the tract in question or that the information is missing). “High missing” cases are cases missing information for 4 or more frame variables, “medium missing” cases are cases missing information for 1 to 3 frame variables, and “low missing” cases are those that were not missing information for any of the frame variables.

⁴The Census Low Response Score is a derived variable that identifies block groups with characteristics associated with low mail return rates to the 2010 Decennial Census. A higher low response score corresponds to a lower expected mail return rate. This variable was not available for a very small number of cases, and these cases have been excluded from this analysis. Cases that are in the first quartile are those that were expected to be the most likely to participate and those that are in the fourth quartile are those that were expected to be the least likely to participate.

⁵Percentages are based on block-level American Community Survey data (2013-2017). Cases in the first quartile were those with the lowest prevalence of the characteristic in question and those that are in the fourth quartile are those with the highest prevalence.

⁶Variable is from the NHES:2019 data collection operation files.

⁷A predictive model was used to classify cases into two groups: (1) paper-sensitive cases, which are the most likely to prefer to respond by paper (15 percent of cases) and (2) non-paper-sensitive cases, which do not have as much of a preference to respond by paper (85 percent of cases).

NOTE: ECPP is Early Childhood Program Participation topical survey. The overall response rate is the product of the screener response rate and the topical response rate. Screener and topical response rates were calculated using American Association for Public Opinion Research (AAPOR) Response Rate 1 (RR1). This analysis excludes P.O. box addresses because they are not able to receive FedEx mailings. Unweighted eligible sample size for the ECPP response rate was 21,130 for the random FedEx 2nd condition, 36,450 for the random FedEx 3rd condition, 21,200 for the random FedEx 4th condition, and 21,150 for the modeled FedEx condition. Sample sizes have been rounded to the nearest 10. Detail may not sum to totals due to rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Household Education Surveys Program (NHES), 2019. U.S. Census Bureau, American Community Survey (ACS), 2013-2017.

Table 3.3.8. PFI overall response rate, by FedEx condition and selected household characteristics: 2019

Selected household characteristics ¹	Number of eligible screener households included in response rate calculation	PFI overall response rate (percentage)				<i>t</i> statistic					
		Random FedEx 2nd	Random FedEx 3rd	Random FedEx 4th	Modeled FedEx ²	Random FedEx 2nd vs. random FedEx 3rd	Random FedEx 2nd vs. random FedEx 4th	Random FedEx 3rd vs. random FedEx 4th	Modeled FedEx vs. random FedEx 2nd	Modeled FedEx vs. random FedEx 3rd	Modeled FedEx vs. random FedEx 4th
Gender of head of household											
Male	33,660	55.03	51.97	52.51	54.29	2.19 *	1.52	-0.39	-0.45	1.67	1.08
Female	29,820	52.47	50.61	47.87	51.00	1.49	3.03 *	1.85	-0.98	0.26	1.83
Missing	36,450	45.74	42.56	42.68	44.21	2.02 *	1.81	-0.07	-0.97	1.08	0.93
Age of head of household											
18-34	8,620	43.97	39.99	39.81	45.14	1.22	1.24	0.07	0.36	2.01 *	2.00 *
35-44	12,300	46.96	43.14	44.14	44.99	2.41 *	1.61	-0.65	-1.06	1.10	0.46
45-54	14,430	51.22	50.27	47.88	50.25	0.53	1.99 *	1.46	-0.51	-0.01	1.34
55-65	17,350	59.15	57.09	55.78	60.19	0.77	0.99	0.41	0.41	1.33	1.41
Over 65	19,590	64.80	64.74	63.91	60.32	0.02	0.23	0.23	-1.24	-1.33	-0.91
Missing	27,640	38.89	34.86	34.12	37.69	2.55 *	2.31 *	0.38	-0.69	1.84	1.75
Marital status of head of household											
Single	33,010	44.18	41.90	41.42	44.81	1.20	1.47	0.28	0.32	1.60	1.89
Married	50,690	57.84	55.39	54.99	55.93	2.43 *	2.43 *	0.36	-1.81	0.56	0.82
Missing	16,220	40.48	35.39	34.13	37.54	1.96 *	2.07 *	0.41	-1.16	0.86	1.13
Race/ethnicity of head of household											
White	48,580	59.55	55.70	55.30	57.19	3.46 *	3.46 *	0.32	-1.97 *	1.23	1.44
Black	11,030	38.49	34.69	37.80	38.76	1.33	0.24	-1.14	0.09	1.47	0.34
Hispanic	11,670	34.89	37.79	34.67	37.57	-1.47	0.09	1.54	1.33	-0.13	1.41
Asian/Pacific Islander or Other	3,940	52.11	52.32	49.20	52.56	-0.07	0.98	1.09	0.14	0.07	1.04
Missing	24,710	44.07	41.03	40.47	42.69	1.59	1.55	0.25	-0.68	0.89	0.96

See notes at end of table.

Table 3.3.8. PFI overall response rate, by FedEx condition and selected household characteristics: 2019–Continued

Selected household characteristics ¹	Number of eligible screener households included in response rate calculation	PFI overall response rate (percentage)				<i>t</i> statistic					
		Random FedEx 2nd	Random FedEx 3rd	Random FedEx 4th	Modeled FedEx ²	Random FedEx 2nd vs. random FedEx 3rd	Random FedEx 2nd vs. random FedEx 4th	Random FedEx 3rd vs. random FedEx 4th	Modeled FedEx vs. random FedEx 2nd	Modeled FedEx vs. random FedEx 3rd	Modeled FedEx vs. random FedEx 4th
Highest education level of head household											
Less than high school diploma	10,730	39.53	36.25	38.42	39.44	1.65	0.46	-0.89	-0.05	1.55	0.41
High school diploma	22,010	53.63	50.72	48.71	49.60	1.48	2.31 *	1.04	-1.75	-0.52	0.39
Some college	21,450	49.51	47.49	46.74	49.49	1.06	1.46	0.42	-0.01	1.16	1.59
Bachelor's degree	14,190	61.49	57.36	57.31	62.90	2.05 *	1.94	0.02	0.66	2.80 *	2.64 *
Graduate degree	8,960	61.88	62.47	59.53	58.71	-0.27	0.83	1.15	-1.16	-1.53	-0.27
Missing	22,590	43.61	39.71	39.76	41.64	1.89	1.54	-0.02	-0.90	0.93	0.75
Household income											
Less than \$25,000	16,010	43.44	41.09	40.39	44.66	1.02	1.30	0.33	0.47	1.49	1.77
\$25,000-\$49,999	21,530	50.63	46.70	45.96	48.77	2.18 *	1.98 *	0.31	-0.95	1.03	1.11
\$50,000-\$74,999	14,420	53.43	50.93	47.33	52.29	1.13	2.16 *	1.38	-0.44	0.58	1.69
\$75,000-\$99,999	11,940	55.09	55.94	56.27	56.04	-0.30	-0.43	-0.12	0.38	0.04	-0.09
\$100,000-\$149,999	12,410	55.78	53.16	54.71	51.70	1.43	0.48	-0.75	-1.90	-0.74	-1.29
\$150,000 or more	9,540	61.21	59.10	56.16	59.36	0.87	1.75	1.13	-0.67	0.11	1.10
Missing	14,080	40.20	34.15	35.45	38.33	2.31 *	1.51	-0.43	-0.70	1.68	0.95
Home tenure											
Own	64,520	57.42	55.91	55.13	56.27	1.57	2.01 *	0.75	-1.11	0.38	1.02
Rent	20,860	39.68	34.06	35.75	37.68	3.01 *	2.32 *	-0.99	-1.07	1.93	1.13
Missing	14,550	35.62	32.24	27.72	35.83	1.36	2.39 *	1.47	0.08	1.60	2.59 *
Number of adults in household											
1	47,880	45.55	41.91	41.42	44.83	2.62 *	2.66 *	0.34	-0.50	2.19 *	2.27 *
2	27,930	61.79	60.35	58.22	58.77	1.10	2.71 *	1.66	-2.09 *	-1.12	0.39
3	7,650	58.75	61.78	63.06	61.84	-0.69	-0.96	-0.47	0.68	0.02	-0.41
4 or more	2,510	50.44	57.20	56.53	59.58	-1.22	-0.87	0.10	1.64	0.49	0.47
Missing	13,960	40.07	34.21	35.05	38.34	2.18 *	1.57	-0.27	-0.64	1.63	1.07
Household flagged as having children											
Yes	19,470	50.66	50.60	49.01	49.46	0.04	1.03	1.16	-0.78	-0.88	0.32
No	80,460	50.66	46.87	46.90	49.52	3.64 *	2.85 *	-0.03	-1.01	2.57 *	2.00 *

See notes at end of table.

Table 3.3.8. PFI overall response rate, by FedEx condition and selected household characteristics: 2019–Continued

Selected household characteristics ¹	Number of eligible screener households included in response rate calculation	PFI overall response rate (percentage)				<i>t</i> statistic					
		Random FedEx 2nd	Random FedEx 3rd	Random FedEx 4th	Modeled FedEx ²	Random FedEx 2nd vs. random FedEx 3rd	Random FedEx 2nd vs. random FedEx 4th	Random FedEx 3rd vs. random FedEx 4th	Modeled FedEx vs. random FedEx 2nd	Modeled FedEx vs. random FedEx 3rd	Modeled FedEx vs. random FedEx 4th
Ability to match address to phone number											
Phone number available	67,470	54.10	51.60	52.00	52.72	2.55 *	1.88	-0.40	-1.22	1.11	0.63
No phone number available	32,450	44.09	41.18	38.24	43.04	1.99 *	3.62 *	1.88	-0.75	1.37	3.16 *
Route type											
Street	77,240	53.30	51.15	50.80	52.60	2.43 *	2.46 *	0.37	-0.74	1.64	1.77
P.O. box	†	†	†	†	†	†	†	†	†	†	†
Rural route	50	#	#	#	#	†	†	†	†	†	†
High rise	22,640	41.87	37.05	35.50	38.40	2.50 *	2.68 *	0.71	-1.46	0.61	1.12
Dwelling type											
Single unit	75,040	53.96	51.78	51.26	52.91	2.43 *	2.54 *	0.52	-1.08	1.29	1.58
Multi-unit	24,890	40.28	36.24	35.57	38.67	1.77	1.93	0.30	-0.66	1.09	1.29
Missing	†	†	†	†	†	†	†	†	†	†	†
Vacancy status											
Flagged as vacant	1,140	31.07	29.17	23.51!	20.43!	0.18	0.65	0.53	-0.89	-0.80	-0.26
Not flagged as vacant	98,790	51.03	48.46	47.97	49.99	3.12 *	3.29 *	0.58	-1.18	1.88	2.20 *
Seasonal address type											
Seasonal or educational seasonal delivery	600	‡	‡	‡	‡	†	†	†	†	†	†
No seasonal delivery	99,330	50.73	48.12	47.59	49.60	3.20 *	3.25 *	0.59	-1.26	1.83	2.09 *
Drop point address type											
Drop point	1,580	47.73	41.08	38.11	33.70	1.31	1.33	0.39	-2.75 *	-1.31	-0.58
Not a drop point	98,350	50.87	48.32	47.81	49.93	3.06 *	3.13 *	0.57	-1.03	1.95	2.19 *
Census region											
Northeast	17,230	49.73	48.03	48.24	49.19	0.85	0.66	-0.10	-0.23	0.52	0.39
South	40,030	47.78	43.96	43.58	47.45	2.79 *	2.60 *	0.27	-0.20	2.43 *	2.31 *
Midwest	20,630	56.59	54.13	53.36	55.17	1.35	1.49	0.37	-0.82	0.64	0.91
West	22,040	51.45	49.97	48.53	48.53	0.93	1.45	0.77	-1.68	-0.92	0.00

See notes at end of table.

Table 3.3.8. PFI overall response rate, by FedEx condition and selected household characteristics: 2019–Continued

Selected household characteristics ¹	Number of eligible screener households included in response rate calculation	PFI overall response rate (percentage)				<i>t</i> statistic					
		Random FedEx 2nd	Random FedEx 3rd	Random FedEx 4th	Modeled FedEx ²	Random FedEx 2nd vs. random FedEx 3rd	Random FedEx 2nd vs. random FedEx 4th	Random FedEx 3rd vs. random FedEx 4th	Modeled FedEx vs. random FedEx 2nd	Modeled FedEx vs. random FedEx 3rd	Modeled FedEx vs. random FedEx 4th
Race/ethnicity stratum											
25% or more Black	19,120	36.39	33.70	34.08	37.35	1.33	0.98	-0.19	0.42	1.90	1.44
40% or more Hispanic	15,040	35.56	35.29	34.51	35.12	0.13	0.49	0.46	-0.20	-0.09	0.32
Other	65,760	55.88	52.94	52.07	54.24	2.96 *	3.25 *	0.76	-1.57	1.29	1.83
Tract poverty rate											
20 percent or higher	28,840	39.42	34.28	36.18	38.00	3.28 *	1.91	-1.22	-0.81	2.30 *	1.04
Below 20 percent	71,090	54.64	53.02	51.48	53.56	1.75	2.74 *	1.46	-1.05	0.60	1.83
Extent of missing frame information ³											
High	18,790	41.29	36.53	36.43	38.78	2.15 *	1.72	0.04	-1.07	1.03	0.84
Medium	32,790	47.21	44.59	44.93	47.78	1.69	1.45	-0.21	0.38	2.08 *	1.83
Low	48,340	56.98	54.97	53.57	55.00	1.88	2.75 *	1.19	-1.66	0.03	1.11
Census Low Response Score ⁴											
First quartile (low)	26,350	59.97	58.67	60.47	59.70	0.74	-0.27	-1.09	-0.15	0.63	-0.45
Second quartile	25,340	55.21	54.25	50.52	53.23	0.65	2.71 *	2.37 *	-1.19	-0.69	1.54
Third quartile	24,460	47.30	43.44	41.76	46.43	2.00 *	2.48 *	0.93	-0.41	1.78	2.30 *
Fourth quartile (high)	23,310	34.96	30.82	31.96	33.57	2.37 *	1.65	-0.73	-0.73	1.65	0.92
Percent of persons in block group without a high school diploma ⁵											
First quartile (low)	25,670	57.65	56.55	53.91	58.46	0.69	1.88	1.53	0.45	1.28	2.40 *
Second quartile	25,130	54.83	52.27	50.81	53.83	1.66	2.09 *	0.72	-0.69	0.98	1.54
Third quartile	24,830	49.42	46.22	46.03	46.21	2.08 *	1.80	0.11	-1.83	-0.01	0.09
Fourth quartile (high)	24,260	38.36	34.98	36.64	36.97	2.00 *	0.97	-1.10	-0.75	1.24	0.20
Percent of persons in block group who are Black ⁵											
First quartile (low)	25,270	55.71	52.31	54.03	53.90	1.90	0.84	-0.94	-0.92	0.88	-0.06
Second quartile	25,410	55.47	53.64	51.63	54.95	1.04	2.13 *	1.14	-0.31	0.82	2.02 *
Third quartile	25,220	50.29	48.15	46.62	48.57	1.49	2.20 *	0.97	-1.11	0.29	1.16
Fourth quartile (high)	23,990	38.29	35.84	35.10	38.26	1.33	1.48	0.39	-0.01	1.31	1.47

See notes at end of table.

Table 3.3.8. PFI overall response rate, by FedEx condition and selected household characteristics: 2019–Continued

Selected household characteristics ¹	Number of eligible screener households included in response rate calculation	PFI overall response rate (percentage)				<i>t</i> statistic					
		Random FedEx 2nd	Random FedEx 3rd	Random FedEx 4th	Modeled FedEx ²	Random FedEx 2nd vs. random FedEx 3rd	Random FedEx 2nd vs. random FedEx 4th	Random FedEx 3rd vs. random FedEx 4th	Modeled FedEx vs. random FedEx 2nd	Modeled FedEx vs. random FedEx 3rd	Modeled FedEx vs. random FedEx 4th
Percent of persons in block group speaking a non-English language ⁵											
First quartile (low)	24,480	55.35	50.89	51.88	53.60	2.73 *	1.95	-0.53	-1.03	1.53	0.90
Second quartile	25,110	54.30	54.35	52.67	54.83	-0.03	0.88	0.94	0.29	0.27	1.15
Third quartile	25,210	50.51	47.94	45.02	48.68	1.36	2.46 *	1.43	-0.94	0.43	1.75
Fourth quartile (high)	25,090	41.93	38.20	39.26	39.81	2.38 *	1.74	-0.73	-1.39	1.11	0.39
Bilingual screener mailed ⁶											
Yes	73,510	48.79	46.29	45.15	47.20	2.64 *	3.33 *	1.15	-1.44	0.91	1.80
No	26,420	56.08	53.13	54.16	56.03	1.95	1.11	-0.57	-0.03	1.70	0.98
Paper sensitivity classification ⁷											
Paper sensitive	15,600	60.29	62.28	59.02	57.97	-0.69	0.37	1.13	-0.64	-1.39	-0.29
Not paper sensitive	84,330	48.91	45.87	45.53	47.86	3.65 *	3.49 *	0.38	-1.14	2.34 *	2.37 *
Contiguous U.S.											
Yes	99,500	50.80	48.19	47.68	49.64	3.20 *	3.22 *	0.57	-1.28	1.78	2.02 *
No	430	59.50	52.81	46.76	53.97	0.80	1.25	0.72	-0.49	0.12	0.63

† Not applicable

Rounds to zero

‡ Reporting standards not met. Either there are too few cases for a reliable estimate or the coefficient of variation (CV) is 50 percent or greater.

**p* < 0.05.

¹Unless indicated otherwise, the selected characteristics are based on available frame variables.

²In this condition, a predictive model was used to classify cases into two groups: (1) FedEx-high-priority cases that should receive FedEx earlier in the screener phase (2nd mailing), (2) FedEx-low-priority cases that should receive it later in the screener phase (4th mailing).

³Extent of missing frame information was determined based on the number of variables for which the address was missing information on the frame. This analysis is limited to variables for which there is an explicit missing category (as opposed to variables for which a lack of data implies either a lack of the tract in question or that the information is missing). “High missing” cases are cases missing information for 4 or more frame variables, “medium missing” cases are cases missing information for 1 to 3 frame variables, and “low missing” cases are those that were not missing information for any of the frame variables.

⁴The Census Low Response Score is a derived variable that identifies block groups with characteristics associated with low mail return rates to the 2010 Decennial Census. A higher low response score corresponds to a lower expected mail return rate. This variable was not available for a very small number of cases, and these cases have been excluded from this analysis. Cases that are in the first quartile are those that were expected to be the most likely to participate and those that are in the fourth quartile are those that were expected to be the least likely to participate.

⁵Percentages are based on block-level American Community Survey data (2013-2017). Cases in the first quartile were those with the lowest prevalence of the characteristic in question and those that are in the fourth quartile are those with the highest prevalence.

⁶Variable is from the NHES:2019 data collection operation files.

⁷ A predictive model was used to classify cases into two groups: (1) paper-sensitive cases, which are the most likely to prefer to respond by paper (15 percent of cases) and (2) non-paper-sensitive cases, which do not have as much of a preference to respond by paper (85 percent of cases).

NOTE: PFI is Parent and Family Involvement topical survey. The overall response rate is the product of the screener response rate and the topical response rate. Screener and topical response rates were calculated using American Association for Public Opinion Research (AAPOR) Response Rate 1 (RR1). This analysis excludes P.O. box addresses because they are not able to receive FedEx mailings. Unweighted eligible sample size for the PFI response rate was 21,130 for the random FedEx 2nd condition, 36,450 for the random FedEx 3rd condition, 21,200 for the random FedEx 4th condition, and 21,150 for the modeled FedEx condition. Sample sizes have been rounded to the nearest 10. Detail may not sum to totals due to rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Household Education Surveys Program (NHES), 2019. U.S. Census Bureau, American Community Survey (ACS), 2013-2017.

Table 4.1.1. Screener response rate by whether household flagged as having children, opt-out condition, and response mode: 2019

Response mode	All cases			Cases flagged as having children ¹			Cases not flagged as having children ¹		
	Screener response rate (percentage)		<i>t</i> statistic	Screener response rate (percentage)		<i>t</i> statistic	Screener response rate (percentage)		<i>t</i> statistic
	Opt-out	Regular		Opt-out	Regular		Opt-out	Regular	
Overall	60.22	58.64	1.91	61.12	56.28	2.76 *	60.00	59.20	0.88
Web	43.52	42.10	1.83	47.04	44.81	1.34	42.67	41.46	1.47
Paper	12.17	11.87	0.56	11.37	9.39	2.19 *	12.36	12.46	-0.16
Inbound telephone	4.53	4.67	-0.40	2.70	2.08	1.21	4.97	5.29	-0.76

**p* < .05.

¹ The address-based sampling frame used for NHES:2019 included a flag indicating that there were likely to be children living at certain addresses. Addresses lacking this flag are less likely to have children living there. However, it is important to note the nonflagged household group also includes those cases where the frame vendor could not determine whether children lived there. In addition, prior NHES research has found that there is some error in this flag variable.

NOTE: Response rates were calculated using American Association for Public Opinion Research (AAPOR) Response Rate 1 (RR1). Percentages represent the proportion of sampled households (excluding undeliverable and out-of-scope addresses) that were respondents to the screener questionnaire. Unweighted eligible sample size 9,110 for the opt-out condition, 1,760 for cases flagged as having children in the opt-out condition, 7,350 for cases not flagged as having children in the opt-out condition, 7,070 for the regular condition, 1,350 for cases flagged as having children in the regular condition, and 5,730 for cases not flagged as having children in the regular condition. Sample sizes have been rounded to the nearest 10. Detail may not sum to totals because of rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Household Education Surveys Program (NHES), 2019.

Table 4.1.2. Percentage point gain in screener response rate by whether household flagged as having a child, opt-out condition, mailing, and response mode: 2019

Mailing and response mode	All cases			Cases flagged as having children ¹			Cases not flagged as having children ¹		
	Percentage point gain in screener response rate		<i>t</i> statistic	Percentage point gain in screener response rate		<i>t</i> statistic	Percentage point gain in screener response rate		<i>t</i> statistic
	Opt-out	Regular		Opt-out	Regular		Opt-out	Regular	
Initial screener package									
Overall	22.50	22.45	0.07	23.27	22.28	0.60	22.31	22.50	-0.27
Web	21.02	20.99	0.04	22.46	21.70	0.47	20.67	20.83	-0.22
Paper ²	‡	‡	†	‡	‡	†	‡	‡	†
Inbound telephone	1.44	1.45	-0.02	0.81	0.58!	0.79	1.59	1.65	-0.26
Reminder postcard									
Overall	17.67	17.16	0.84	17.77	17.69	0.05	17.65	17.03	0.94
Web	15.42	14.85	1.04	16.28	16.64	-0.25	15.22	14.43	1.30
Paper ²	0.05!	‡	†	‡	‡	†	‡	‡	†
Inbound telephone	2.20	2.25	-0.20	1.36	1.00	0.97	2.41	2.55	-0.53
Second screener package									
Overall	6.91	6.18	1.83	7.72	6.36	1.35	6.72	6.13	1.41
Web	6.22	5.60	1.57	7.28	6.14	1.16	5.97	5.47	1.22
Paper ²	‡	‡	†	‡	‡	†	‡	‡	†
Inbound telephone	0.67	0.56	0.88	0.45	‡	†	0.72	0.64	0.58
Third screener package									
Overall	8.94	8.11	1.98 *	8.47	6.12	2.67 *	9.06	8.59	0.99
Web	0.64	0.54	0.89	0.61	‡	†	0.65	0.60	0.34
Paper	8.16	7.37	1.88	7.81	5.86	2.28 *	8.24	7.72	1.12
Inbound telephone	0.14	0.21	-1.12	‡	‡	†	0.17	0.26	-1.26
Fourth screener package									
Overall	4.20	4.74	-1.62	3.89	3.83	0.08	4.27	4.95	-1.66
Web	0.21	0.12!	1.35	0.41!	‡	†	0.16	0.13!	0.55
Paper	3.91	4.42	-1.58	3.44	3.47	-0.06	4.03	4.64	-1.56
Inbound telephone	0.07!	0.20	-2.55 *	‡	‡	†	0.08!	0.19	-2.00 *

† Not applicable

‡ Reporting standards not met. Either there are too few cases for a reliable estimate or the coefficient of variation (CV) is 50 percent or greater.

**p* < 0.05.

¹ The address-based sampling frame used for NHES:2019 included a flag indicating that there were likely to be children living at certain addresses. Addresses lacking this flag are less likely to have children living there. However, it is important to note the nonflagged household group also includes those cases where the frame vendor could not determine whether children lived there. In addition, prior NHES research has found that there is some error in this flag variable.

² Within the web-push conditions, sample members could receive a paper questionnaire prior to the third screener package by calling the Census Bureau and requesting one.

NOTE: Response rates were calculated using American Association for Public Opinion Research (AAPOR) Response Rate 1 (RR1). Percentages represent the proportion of eligible sampled households (excluding undeliverable and out-of-scope addresses) that responded to the screener after the specified mailing. Response is attributed to a mailing if the response was received three or more days after

that mailing was sent and less than three days after the next mailing was sent. Unweighted eligible sample size was 9,110 for the opt-out condition, 1,760 for cases flagged as having children in the opt-out condition, 7,350 for cases not flagged as having children in the opt-out condition, 7,070. for the regular condition, 1,350 for cases flagged as having children in the regular condition, and 5,730 for cases not flagged as having children in the regular condition. Sample sizes have been rounded to the nearest 10. Detail may not sum to totals because of rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Household Education Surveys Program (NHES), 2019.

Table 4.1.3. Screener response rate, by whether household flagged as having children, opt-out condition, and selected household characteristics: 2019

Selected household characteristics ²	All cases				Cases flagged as having children ¹				Cases not flagged as having children ¹			
	Number of eligible households included in response rate calculation	Screener response rate (percentage)		<i>t</i> statistic	Number of eligible households included in response rate calculation	Screener response rate (percentage)		<i>t</i> statistic	Number of eligible households included in response rate calculation	Screener response rate (percentage)		<i>t</i> statistic
		Opt-out	Regular			Opt-out	Regular			Opt-out	Regular	
Gender of head of household												
Male	5,450	65.00	62.55	1.96	1,260	65.09	60.46	1.79	4,190	64.97	63.16	1.31
Female	4,820	62.24	59.21	2.01 *	1,260	58.33	52.93	1.85	3,560	63.58	61.49	1.31
Missing	5,910	53.93	54.45	-0.34	590	57.97	54.61	0.77	5,320	53.47	54.43	-0.63
Age of head of household												
18-34	1,410	50.72	48.01	0.96	440	48.49	39.64	1.66	970	51.75	51.53	0.07
35-44	2,050	55.53	53.29	0.89	800	54.68	47.38	2.06 *	1,240	56.10	56.96	-0.27
45-54	2,280	60.94	57.48	1.86	830	62.58	58.45	1.23	1,450	59.95	56.91	1.32
55-65	2,820	67.62	68.11	-0.27	580	71.40	68.37	0.78	2,240	66.67	68.04	-0.66
Over 65	3,140	79.06	72.93	3.67 *	360	76.75	69.69	1.49	2,780	79.34	73.38	3.31 *
Missing	4,480	46.23	48.06	-1.11	90	39.71	43.32	-0.33	4,390	46.35	48.15	-1.08
Marital status of head of household												
Single	5,360	54.63	53.16	1.09	640	54.98	44.28	2.64 *	4,720	54.58	54.28	0.22
Married	8,190	67.12	65.26	1.80	2,400	62.80	59.44	1.67	5,790	68.89	67.67	1.02
Missing	2,640	48.30	48.49	-0.08	70	54.42	46.51	0.68	2,570	48.12	48.55	-0.17
Race/ethnicity of head of household												
White	7,990	67.82	65.70	2.17 *	1,990	65.99	59.75	2.90 *	6,000	68.44	67.63	0.69
Black	1,750	50.02	46.71	1.49	450	44.29	45.38	-0.26	1,300	51.83	47.20	1.67
Hispanic	1,830	47.71	44.46	1.31	450	48.08	42.73	0.97	1,380	47.58	45.02	1.01
Asian/Pacific Islander or Other	630	61.19	60.86	0.08	120	60.82	72.67	-1.24	510	61.28	58.45	0.62
Missing	3,980	51.84	53.01	-0.65	100	63.83	61.21	0.27	3,880	51.57	52.77	-0.65

See notes at end of table.

Table 4.1.3. Screener response rate, by whether household flagged as having children, opt-out condition, and selected household characteristics: 2019—Continued

Selected household characteristics ²	All cases				Cases flagged as having children ¹				Cases not flagged as having children ¹			
	Number of eligible households included in response rate calculation	Screener response rate (percentage)		<i>t</i> statistic	Number of eligible households included in response rate calculation	Screener response rate (percentage)		<i>t</i> statistic	Number of eligible households included in response rate calculation	Screener response rate (percentage)		<i>t</i> statistic
		Opt-out	Regular			Opt-out	Regular			Opt-out	Regular	
Highest education level of head of household												
Less than high school diploma	1,710	49.21	47.31	0.75	300	48.82	40.93	1.36	1,410	49.29	48.79	0.18
High school diploma	3,500	62.13	60.87	0.64	810	59.55	53.80	1.57	2,690	62.91	62.92	0.00
Some college	3,550	62.55	57.76	2.96 *	940	59.79	55.73	1.22	2,610	63.56	58.50	2.76 *
Bachelor's degree	2,350	69.12	67.30	0.94	670	67.62	60.93	1.99 *	1,680	69.74	69.70	0.02
Graduate degree	1,400	67.92	68.56	-0.31	350	63.81	66.31	-0.57	1,050	69.24	69.33	-0.04
Missing	3,670	51.28	52.63	-0.72	‡	‡	‡	†	3,640	51.17	52.54	-0.72
Household income												
Less than \$25,000	2,580	53.00	50.33	1.27	460	51.56	45.68	1.22	2,120	53.31	51.29	0.88
\$25,000-\$49,999	3,510	60.64	58.50	1.26	660	63.84	51.49	2.84 *	2,850	59.90	60.12	-0.13
\$50,000-\$74,999	2,320	66.03	62.94	1.54	520	59.84	56.34	0.78	1,790	67.74	64.89	1.21
\$75,000-\$99,999	1,930	66.48	64.75	0.84	510	61.87	59.51	0.54	1,430	68.14	66.61	0.59
\$100,000-\$149,999	2,080	63.87	63.74	0.06	610	63.41	60.25	0.76	1,460	64.08	65.13	-0.44
\$150,000 or more	1,460	70.10	65.66	1.58	340	64.60	65.21	-0.10	1,110	71.73	65.80	1.81
Missing	2,310	45.18	48.65	-1.43	‡	‡	‡	†	2,310	45.20	48.59	-1.39
Home tenure												
Own	10,400	67.93	65.38	2.87 *	2,350	64.99	61.63	1.63	8,040	68.80	66.47	2.36 *
Rent	3,340	48.09	45.90	1.30	670	47.22	37.21	2.62 *	2,670	48.31	47.97	0.18
Missing	2,450	41.58	44.97	-1.32	80	52.02	41.00	1.01	2,360	41.22	45.13	-1.51
Number of adults in household												
1	7,670	55.78	53.72	1.76	1,190	52.58	45.29	2.17 *	6,480	56.36	55.23	0.91
2	4,540	70.94	67.92	2.29 *	1,310	64.71	58.71	2.10 *	3,230	73.51	71.51	1.32
3	1,240	70.39	69.03	0.50	440	69.62	69.34	0.06	810	70.79	68.86	0.59
4 or more	430	68.34	67.87	0.09	180	69.99	72.58	-0.34	250	67.22	64.43	0.41
Missing	2,300	45.06	48.23	-1.30	†	†	†	†	2,300	45.06	48.23	-1.30

See notes at end of table.

Table 4.1.3. Screener response rate, by whether household flagged as having children, opt-out condition, and selected household characteristics: 2019—Continued

Selected household characteristics ²	All cases				Cases flagged as having children ¹				Cases not flagged as having children ¹			
	Number of eligible households included in response rate calculation	Screener response rate (percentage)		<i>t</i> statistic	Number of eligible households included in response rate calculation	Screener response rate (percentage)		<i>t</i> statistic	Number of eligible households included in response rate calculation	Screener response rate (percentage)		<i>t</i> statistic
		Opt-out	Regular			Opt-out	Regular			Opt-out	Regular	
Ability to match address to phone number												
Phone number available	10,900	64.10	61.79	2.44 *	2,480	63.16	58.13	2.44 *	8,430	64.38	62.87	1.43
No phone number available	5,280	51.76	52.09	-0.22	630	52.88	48.79	0.93	4,650	51.60	52.53	-0.58
Route type												
Street	12,330	63.29	61.16	2.42 *	2,750	62.08	57.58	2.42 *	9,570	63.64	62.18	1.52
P.O. box	120	62.63	50.14	1.38	‡	‡	‡	†	100	64.84	49.78	1.57
Rural route	‡	‡	‡	†	‡	‡	‡	†	‡	‡	‡	†
High rise	3,730	49.38	50.06	-0.42	340	53.53	44.78	-15.98 *	3,390	48.95	50.55	-0.89
Dwelling type												
Single unit	12,040	63.74	61.72	2.37 *	2,730	62.21	57.61	2.46 *	9,310	64.19	62.91	1.36
Multi-unit	4,020	48.92	49.11	-0.11	360	53.04	45.06	1.51	3,660	48.51	49.48	-0.54
Missing	120	62.63	50.14	1.38	‡	‡	‡	†	100	64.84	49.78	1.57
Vacancy status												
Flagged as vacant	160	44.57	47.05	-0.29	‡	‡	‡	†	140	43.08	47.01	-0.43
Not flagged as vacant	16,020	60.35	58.77	1.90	3,090	61.13	56.34	2.72 *	12,930	60.16	59.35	0.88
Seasonal address type												
Seasonal or educational seasonal delivery	100	82.69	82.64	0.01	‡	‡	†	†	100	‡	‡	-0.04
No seasonal delivery	16,080	60.06	58.49	1.90	3,110	61.09	56.28	0.39	12,980	59.81	59.02	0.88
Drop point address type												
Drop point	250	47.63	49.64	-0.35	‡	‡	‡	†	200	‡	53.45	-0.47
Not a drop point	15,940	60.39	58.78	1.95	3,060	61.45	56.62	2.77 *	12,880	60.13	59.30	0.93

See notes at end of table.

Table 4.1.3. Screener response rate, by whether household flagged as having children, opt-out condition, and selected household characteristics: 2019—Continued

Selected household characteristics ²	All cases				Cases flagged as having children ¹				Cases not flagged as having children ¹			
	Number of eligible households included in response rate calculation	Screener response rate (percentage)		<i>t</i> statistic	Number of eligible households included in response rate calculation	Screener response rate (percentage)		<i>t</i> statistic	Number of eligible households included in response rate calculation	Screener response rate (percentage)		<i>t</i> statistic
		Opt-out	Regular			Opt-out	Regular			Opt-out	Regular	
Census region												
Northeast	2,830	63.07	59.49	1.99 *	510	65.47	58.35	1.58	2,320	62.51	59.73	1.52
South	6,410	56.16	56.10	0.05	1,230	55.45	52.66	0.96	5,190	56.33	56.95	-0.44
Midwest	3,340	65.56	63.53	1.17	730	64.90	62.07	0.75	2,620	65.75	63.91	1.01
West	3,600	59.51	57.51	1.28	650	62.82	55.14	2.12 *	2,950	58.84	58.05	0.44
Race/ethnicity stratum												
25% or more Black	3,060	46.30	45.17	0.67	580	47.27	43.15	1.06	2,490	46.07	45.63	0.23
40% or more Hispanic	2,410	44.91	45.27	-0.17	430	45.04	46.99	-0.31	1,990	44.88	44.91	-0.01
Other	10,700	64.91	62.98	1.89	2,100	65.60	59.74	3.06 *	8,600	64.74	63.77	0.86
Tract poverty rate												
20 percent or higher	4,650	48.38	47.71	0.46	780	49.02	42.26	1.91	3,870	48.25	48.80	-0.34
Below 20 percent	11,530	64.13	62.22	1.97 *	2,330	64.34	60.11	2.14 *	9,210	64.08	62.74	1.23
Extent of missing frame information ³												
High	3,070	47.89	50.52	-1.25	‡	‡	‡	†	3,060	47.82	50.38	-1.21
Medium	5,330	57.14	54.78	1.79	810	55.68	52.06	0.91	4,510	57.41	55.25	1.42
Low	7,790	66.85	64.41	2.36 *	2,280	62.96	57.59	2.82 *	5,500	68.47	67.23	0.95
Census Low Response Score ⁴												
First quartile (low)	4,280	71.89	67.15	2.89 *	940	71.70	63.95	2.50 *	3,340	71.95	68.05	2.22 *
Second quartile	4,100	63.80	62.64	0.82	870	63.41	58.93	1.30	3,230	63.91	63.61	0.19
Third quartile	3,920	55.68	56.15	-0.27	700	54.45	47.64	2.04 *	3,220	55.96	57.80	-1.00
Fourth quartile (high)	3,780	43.56	43.07	0.29	570	42.62	46.57	-0.87	3,210	43.71	42.40	0.74

See notes at end of table.

Table 4.1.3. Screener response rate, by whether household flagged as having children, opt-out condition, and selected household characteristics: 2019–Continued

Selected household characteristics ²	All cases				Cases flagged as having children ¹				Cases not flagged as having children ¹			
	Number of eligible households included in response rate calculation	Screener response rate (percentage)		<i>t</i> statistic	Number of eligible households included in response rate calculation	Screener response rate (percentage)		<i>t</i> statistic	Number of eligible households included in response rate calculation	Screener response rate (percentage)		<i>t</i> statistic
		Opt-out	Regular			Opt-out	Regular			Opt-out	Regular	
Percent of persons in block group without a high school diploma ⁵												
First quartile (low)	4,130	66.24	68.16	-1.13	810	66.62	69.20	-0.71	3,330	66.15	67.91	-0.91
Second quartile	4,140	64.48	60.46	2.37 *	860	63.69	54.12	2.93 *	3,280	64.69	62.17	1.40
Third quartile	3,990	57.97	57.16	0.48	730	60.04	55.82	1.23	3,250	57.47	57.44	0.01
Fourth quartile (high)	3,920	48.73	44.87	2.23 *	710	50.33	40.98	2.52 *	3,210	48.39	45.75	1.40
Percent of persons in block group who are Black ⁵												
First quartile (low)	4,100	64.96	62.19	1.86	820	64.57	60.95	1.17	3,280	65.06	62.50	1.68
Second quartile	4,230	64.72	63.33	0.98	850	64.43	61.45	0.93	3,380	64.79	63.78	0.65
Third quartile	4,060	58.76	58.28	0.34	750	61.18	52.58	2.22 *	3,310	58.23	59.61	-0.85
Fourth quartile (high)	3,790	49.02	47.49	0.93	690	50.50	46.31	1.22	3,100	48.70	47.74	0.51
Percent of persons in block group speaking a non-English language ⁵												
First quartile (low)	4,040	64.45	62.38	1.44	840	60.84	57.81	0.92	3,200	65.41	63.56	1.13
Second quartile	4,030	65.12	62.59	1.69	830	64.60	58.27	1.86	3,200	65.25	63.68	0.88
Third quartile	4,020	59.65	59.27	0.23	760	64.53	57.45	2.07 *	3,270	58.56	59.71	-0.69
Fourth quartile (high)	4,080	49.59	48.28	0.78	680	51.81	49.05	0.63	3,400	49.14	48.13	0.57
Bilingual screener package mailed ⁶												
Yes	11,840	57.17	56.89	0.29	2,260	58.53	54.73	1.83	9,580	56.85	57.40	-0.50
No	4,350	67.84	62.90	3.03 *	850	67.28	60.03	2.18 *	3,500	67.98	63.58	2.47 *

† Not applicable

‡ Reporting standards not met. Either there are too few cases for a reliable estimate or the coefficient of variation (CV) is 50 percent or greater.

**p* < 0.05.

¹The address-based sampling frame used for NHES:2019 included a flag indicating that there were likely to be children living at certain addresses. Addresses lacking this flag are less likely to have children living there. However, it is important to note the nonflagged household group also includes those cases where the frame vendor could not determine whether children lived there. In addition, prior NHES research has found that there is some error in this flag variable.

²Unless indicated otherwise, the selected characteristics are based on available frame variables.

³Extent of missing frame information was determined based on the number of variables for which the address was missing information on the frame. This analysis is limited to variables for which there is an explicit missing category (as opposed to variables for which a lack of data implies either a lack of the tract in question or that the information is missing). “High missing” cases are cases missing information for 4 or more frame variables, “medium missing” cases are cases missing information for 1 to 3 frame variables, and “low missing” cases are those that were not missing information for any of the frame variables.

⁴The Census Low Response Score is a derived variable that identifies block groups with characteristics associated with low mail return rates to the 2010 Decennial Census. A higher low response score corresponds to a lower expected mail return rate. This variable was not available for a very small number of cases, and these cases have been excluded from this analysis. Cases that are in the first quartile are those that were expected to be the most likely to participate and those that are in the fourth quartile are those that were expected to be the least likely to participate.

⁵Percentages are based on block-level American Community Survey data (2013-2017). Cases in the first quartile were those with the lowest prevalence of the characteristic in question and those that are in the fourth quartile are those with the highest prevalence.

⁶Variable is from the NHES:2019 data collection operation files.

NOTE: Response rates were calculated using American Association for Public Opinion Research (AAPOR) Response Rate 1 (RR1). Percentages represent the proportion of sampled households (excluding undeliverable and out-of-scope addresses) that were respondents to the questionnaire. Unweighted sample size was 9,110 for the opt-out condition, 1,760 for cases flagged as having children in the opt-out condition, 7,350 for cases not flagged as having children in the opt-out condition, 7,070 for the regular condition, 1,350 for cases flagged as having children in the regular condition, and 5,730 for cases not flagged as having children in the regular condition. Sample sizes have been rounded to the nearest 10. Detail may not sum to totals because of rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Household Education Surveys Program (NHES), 2019. U.S. Census Bureau, American Community Survey (ACS), 2013-2017.

Table 4.1.4. Percentage of screener respondents who reported at least one child eligible for the topical surveys, by whether household flagged as having children, opt-out condition, and questionnaire: 2019

Questionnaire	All cases			Cases flagged as having children ¹			Cases not flagged as having children ¹		
	Percentage reporting at least one eligible child		<i>t</i> statistic	Percentage reporting at least one eligible child		<i>t</i> statistic	Percentage reporting at least one eligible child		<i>t</i> statistic
	Opt-out	Regular		Opt-out	Regular		Opt-out	Regular	
Overall	24.88	24.60	0.32	46.26	43.97	0.99	19.62	20.24	-0.72
ECPP	8.82	8.36	0.73	11.94	9.25	1.65	8.05	8.16	-0.18
PFI	20.76	20.28	0.57	42.93	41.20	0.76	15.31	15.57	-0.32

**p* < .05.

¹The address-based sampling frame used for NHES:2019 included a flag indicating that there were likely to be children living at certain addresses. Addresses lacking this flag are less likely to have children living there. However, it is important to note the nonflagged household group also includes those cases where the frame vendor could not determine whether children lived there. In addition, prior NHES research has found that there is some error in this flag variable.

NOTE: ECPP is Early Childhood Program Participation topical survey. PFI is Parent and Family Involvement topical survey. Percentages represent the proportion of screener respondent households that reported at least one child on the screener who was eligible for a topical survey. Screener respondent households may have been eligible for more than one topical; as a result, the topical-specific results do not sum to the overall result. Unweighted eligible sample size was 5,320 for the opt-out condition, 1,050 for cases flagged as having children in the opt-out condition, 4,270 for cases not flagged as having children in the opt-out condition, 4,030 for the regular condition, 740 for cases flagged as having children in the regular condition, and 3,290 for cases not flagged as having children in the regular condition. Sample sizes have been rounded to the nearest 10.

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Household Education Surveys Program (NHES), 2019.

Table 4.1.5. Topical response rate, by whether household flagged as having children, opt-out condition, questionnaire, and response mode: 2019

Questionnaire and response mode	All cases			Cases flagged as having children ¹			Cases not flagged as having children ¹		
	Topical response rate (percentage)		<i>t</i> statistic	Topical response rate (percentage)		<i>t</i> statistic	Topical response rate (percentage)		<i>t</i> statistic
	Opt-out	Regular		Opt-out	Regular		Opt-out	Regular	
ECPP									
Overall	89.16	89.78	-0.24	92.94	91.04	0.37	87.81	89.44	-0.54
Web	94.16	94.89	-0.36	97.05	98.20	-0.46	93.09	93.95	-0.35
Paper	63.05	66.35	-0.35	‡	‡	†	60.86	69.92	-0.76
Inbound telephone	‡	‡	†	‡	†	†	‡	‡	†
PFI									
Overall	85.94	87.51	-0.66	86.42	89.66	-0.77	85.57	86.17	-0.20
Web	92.20	93.87	-0.82	94.86	91.47	0.93	90.13	95.49	-2.22 *
Paper	61.32	60.40	0.11	52.65	78.95	-2.07 *	67.95	52.53	1.72
Inbound telephone	‡	‡	†	‡	‡	†	‡	‡	†

† Not applicable

‡ Reporting standards not met. Either there are too few cases for a reliable estimate or the coefficient of variation (CV) is 50 percent or greater.

**p* < 0.05.

¹The address-based sampling frame used for NHES:2019 included a flag indicating that there were likely to be children living at certain addresses. Addresses lacking this flag are less likely to have children living there. However, it is important to note the nonflagged household group also includes those cases where the frame vendor could not determine whether children lived there. In addition, prior NHES research has found that there is some error in this flag variable.

NOTE: ECPP is Early Childhood Program Participation topical survey. PFI is Parent and Family Involvement topical survey. Response rates were calculated using American Association for Public Opinion Research (AAPOR) Response Rate 1 (RR1). Percentages represent the proportion of eligible households that were respondents to the questionnaire. Unweighted eligible sample size for the ECPP response rate was 400 for the opt-out condition, 99 for cases flagged as having children in the opt-out condition, 301 for cases not flagged as having children in the opt-out condition, 292 for the regular condition, 57 for cases flagged as having children in the regular condition, and 235 for cases not flagged as having children in the regular condition. Unweighted eligible sample size for the PFI response rate was 936 for the opt-out condition, 378 for cases flagged as having children in the opt-out condition, 558 for cases not flagged as having children in the opt-out condition, 708 for the regular condition, 263 for cases flagged as having children in the regular condition, and 445 for cases not flagged as having children in the regular condition. Sample sizes have been rounded to the nearest 10. Detail may not sum to totals due to rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Household Education Surveys Program (NHES), 2019.

Table 4.1.6. Overall response rate, by whether household flagged as having a child, opt-out condition, questionnaire, and response mode: 2019

Questionnaire and response mode	All cases			Cases flagged as having children ¹			Cases not flagged as having children ¹		
	Overall response rate (percentage)		<i>t</i> statistic	Overall response rate (percentage)		<i>t</i> statistic	Overall response rate (percentage)		<i>t</i> statistic
	Opt-out	Regular		Opt-out	Regular		Opt-out	Regular	
ECPP									
Overall	53.69	52.65	0.61	56.80	51.24	1.69	52.69	52.95	-0.13
Web	40.98	39.95	0.93	45.65	44.00	0.75	39.72	38.95	0.60
Paper	7.67	7.88	-0.17	7.95	4.62!	1.39	7.52	8.71	-0.85
Inbound telephone	4.53	‡	†	‡	‡	†	4.97	‡	†
PFI									
Overall	51.75	51.32	0.29	52.81	50.46	0.86	51.35	51.02	0.17
Web	40.12	39.52	0.61	44.62	40.99	1.48	38.46	39.58	-0.93
Paper	7.46	7.17	0.31	5.99	7.41	-1.02	8.40	6.55	1.70
Inbound telephone	3.97	3.49!	0.26	2.70	‡	†	4.15	‡	†

† Not applicable

‡ Reporting standards not met. Either there are too few cases for a reliable estimate or the coefficient of variation (CV) is 50 percent or greater.

**p* < 0.05.

¹ The address-based sampling frame used for NHES:2019 included a flag indicating that there were likely to be children living at certain addresses. Addresses lacking this flag are less likely to have children living there. However, it is important to note the nonflagged household group also includes those cases where the frame vendor could not determine whether children lived there. In addition, prior NHES research has found that there is some error in this flag variable.

NOTE: ECPP is Early Childhood Program Participation topical survey. PFI is Parent and Family Involvement topical survey. The overall response rate is the product of the screener response rate and the topical response rate. Screener and topical response rates were calculated using American Association for Public Opinion Research (AAPOR) Response Rate 1 (RR1). Unweighted eligible sample size for the ECPP response rate was 9,110 for the opt-out condition, 1,760 for cases flagged as having children in the opt-out condition, 7,350 for cases not flagged as having children in the opt-out condition, 7,070 for the regular condition, 1,350 for cases flagged as having children in the regular condition, and 5,730 for cases not flagged as having children in the regular condition. Unweighted eligible sample size for the PFI response rate was 9,110 for the opt-out condition, 1,760 for cases flagged as having children in the opt-out condition, 7,350 for cases not flagged as having children in the opt-out condition, 7,070 for the regular condition, 1,350 for cases flagged as having children in the regular condition, and 5,730 for cases not flagged as having children in the regular condition. Sample sizes have been rounded to the nearest 10. Detail may not sum to totals due to rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Household Education Surveys Program (NHES), 2019.

Table 4.1.7. ECPP overall response rate, by whether household flagged as having children, opt-out questionnaire condition, and selected household characteristics: 2019

Selected household characteristics ²	All cases				Cases flagged as having children ¹				Cases not flagged as having children ¹			
	Number of eligible screener households included in response rate calculation	ECPP overall response rate (percentage)		<i>t</i> statistic	Number of eligible screener households included in response rate calculation	ECPP overall response rate (percentage)		<i>t</i> statistic	Number of eligible screener households included in response rate calculation	ECPP overall response rate (percentage)		<i>t</i> statistic
		Opt-out	Regular			Opt-out	Regular			Opt-out	Regular	
Gender of head of household												
Male	5,450	59.86	56.11	1.39	1,260	61.76	53.46	1.64	4,190	59.08	56.89	0.69
Female	4,820	53.32	52.43	0.27	1,260	50.37	48.11	0.41	3,560	54.24	53.61	0.15
Missing	5,910	47.50	49.42	-0.65	590	57.97	54.61	0.77	5,320	45.91	48.94	-0.92
Age of head of household												
18-34	1,410	47.14	41.70	1.41	440	45.25	39.64	0.98	970	47.96	42.15	1.19
35-44	2,050	50.17	50.51	-0.10	800	49.47	42.86	1.27	1,240	50.62	55.07	-1.03
45-54	2,280	54.65	44.80	1.41	830	62.58	52.03	1.67	1,450	48.79	39.27	0.86
55-65	2,820	57.89	58.43	-0.07	580	64.04	50.20	0.87	2,240	55.99	62.60	-0.76
Over 65	3,140	71.91	72.93	-0.20	360	57.33!	69.69	-0.56	2,780	74.90	73.38	0.32
Missing	4,480	40.10	43.14	-1.10	90	39.71	‡	†	4,390	40.08	43.14	-1.10
Marital status of head of household												
Single	5,360	48.27	46.41	0.64	640	53.38	36.33	2.24 *	4,720	46.87	47.86	-0.30
Married	8,190	60.00	60.48	-0.20	2,400	57.20	55.19	0.50	5,790	61.08	62.66	-0.53
Missing	2,640	43.57	38.87	0.87	70	54.42	46.51	0.74	2,570	42.83	38.12	0.81
Race/ethnicity of head of household												
White	7,990	61.92	61.56	0.17	1,990	60.81	58.59	0.64	6,000	62.23	62.46	-0.09
Black	1,750	42.26	42.98	-0.16	450	39.22	42.90	-0.57	1,300	42.96	42.76	0.04
Hispanic	1,830	42.00	35.02	1.56	450	43.65	29.50	1.37	1,380	41.47	36.84	0.94
Asian/Pacific Islander or Other	630	51.28	50.85	0.04	120	60.82	‡	†	510	45.34	52.86	-0.75
Missing	3,980	46.20	46.42	-0.05	100	‡	‡	†	3,880	45.83	45.85	-0.01

See notes at end of table.

Table 4.1.7. ECPP overall response rate, by whether household flagged as having children, opt-out questionnaire condition, and selected household characteristics: 2019–Continued

Selected household characteristics ²	All cases				Cases flagged as having children ¹				Cases not flagged as having children ¹			
	Number of eligible screener households included in response rate calculation	ECPP overall response rate (percentage)		<i>t</i> statistic	Number of eligible screener households included in response rate calculation	ECPP overall response rate (percentage)		<i>t</i> statistic	Number of eligible screener households included in response rate calculation	ECPP overall response rate (percentage)		<i>t</i> statistic
		Opt-out	Regular			Opt-out	Regular			Opt-out	Regular	
Highest education level of head of household												
Less than high school diploma	1,710	45.54	40.44	1.09	300	48.82	40.93	1.24	1,410	45.20	39.69	0.99
High school diploma	3,500	56.61	54.43	0.50	810	54.17	42.47	1.48	2,690	57.36	59.58	-0.45
Some college	3,550	55.58	53.08	0.89	940	54.94	52.58	0.49	2,610	55.42	53.35	0.56
Bachelor's degree	2,350	60.53	67.30	-1.91	670	63.33	60.93	0.43	1,680	58.80	69.70	-2.37 *
Graduate degree	1,400	59.95	54.74	0.79	350	60.81	56.02	0.40	1,050	58.83	54.22	0.57
Missing	3,670	44.98	45.02	-0.01	‡	‡	‡	†	3,640	44.78	44.80	0.00
Household income												
Less than \$25,000	2,580	48.60	45.35	0.98	460	48.38	34.89	1.56	2,120	48.58	48.20	0.11
\$25,000-\$49,999	3,510	54.21	55.15	-0.26	660	55.46	51.49	0.60	2,850	54.10	55.75	-0.41
\$50,000-\$74,999	2,320	58.98	57.03	0.42	520	57.56	48.70	1.14	1,790	58.54	59.68	-0.20
\$75,000-\$99,999	1,930	63.40	56.20	1.58	510	59.34	56.79	0.40	1,430	64.58	55.95	1.47
\$100,000-\$149,999	2,080	55.27	57.79	-0.54	610	57.35	55.54	0.23	1,460	54.75	58.65	-0.65
\$150,000 or more	1,460	57.08	61.95	-0.75	340	61.02	65.21	-0.62	1,110	56.40	61.55	-0.69
Missing	2,310	39.64	38.45	0.20	‡	‡	‡	†	2,310	39.65	38.40	0.21
Home tenure												
Own	10,400	60.00	60.86	-0.39	2,350	60.24	55.62	1.09	8,040	59.51	62.39	-1.08
Rent	3,340	44.92	38.40	2.17 *	670	45.49	34.38	2.17 *	2,670	44.67	38.35	1.72
Missing	2,450	35.48	36.66	-0.23	80	40.73!	‡	†	2,360	35.47	36.55	-0.21
Number of adults in household												
1	7,670	48.57	49.08	-0.23	1,190	47.75	45.29	0.60	6,480	48.48	49.47	-0.36
2	4,540	65.14	63.08	0.74	1,310	60.90	53.44	1.73	3,230	66.48	66.94	-0.13
3	1,240	70.39	60.95	1.77	440	69.62	64.67	0.79	810	70.79	58.48	1.53
4 or more	430	68.34	45.55!	1.53	180	‡	‡	†	250	‡	64.43	†
Missing	2,300	39.53	38.12	0.24	†	†	†	†	2,300	39.53	38.12	0.24

See notes at end of table.

Table 4.1.7. ECPP overall response rate, by whether household flagged as having children, opt-out questionnaire condition, and selected household characteristics: 2019–Continued

Selected household characteristics ²	All cases				Cases flagged as having children ¹				Cases not flagged as having children ¹			
	Number of eligible screener households included in response rate calculation	ECPP overall response rate (percentage)		<i>t</i> statistic	Number of eligible screener households included in response rate calculation	ECPP overall response rate (percentage)		<i>t</i> statistic	Number of eligible screener households included in response rate calculation	ECPP overall response rate (percentage)		<i>t</i> statistic
		Opt-out	Regular			Opt-out	Regular			Opt-out	Regular	
Ability to match address to phone number												
Phone number available	10,900	56.36	55.15	0.54	2,480	58.74	50.69	1.98 *	8,430	55.10	56.50	-0.50
No phone number available	5,280	47.07	47.28	-0.09	630	49.08	48.79	0.06	4,650	46.70	46.58	0.05
Route type												
Street	12,330	56.57	55.48	0.53	2,750	58.33	51.29	1.87	9,570	55.71	56.67	-0.40
P.O. box	120	‡	‡	†	‡	‡	‡	†	100	#	‡	†
Rural route	‡	‡	‡	†	‡	‡	‡	†	‡	‡	‡	†
High rise	3,730	43.37	42.39	0.24	340	42.38	44.78	0.25	3,390	43.57	40.40	0.67
Dwelling type												
Single unit	12,040	57.07	56.34	0.36	2,730	58.42	51.32	1.88	9,310	56.29	57.81	-0.64
Multi-unit	4,020	42.78	40.61	0.57	360	43.12	45.06	0.22	3,660	42.78	38.59	0.96
Missing	120	‡	‡	†	‡	‡	‡	†	100	#	‡	†
Vacancy status												
Flagged as vacant	160	44.57	47.05	-0.29	‡	‡	‡	†	140	43.08	47.01	-0.66
Not flagged as vacant	16,020	53.77	52.68	0.63	3,090	56.75	51.29	1.65	12,930	52.81	52.98	-0.08
Seasonal address type												
Seasonal or educational seasonal delivery	100	‡	‡	†	†	†	†	†	100	#	#	†
No seasonal delivery	16,080	53.55	52.51	0.61	3,110	56.77	51.24	1.68	12,980	52.52	52.78	-0.13
Drop point address type												
Drop point	250	‡	‡	†	‡	‡	‡	†	200	#	‡	†
Not a drop point	15,940	53.83	53.44	0.23	3,060	57.07	51.54	1.67	12,880	52.80	53.89	-0.56

See notes at end of table.

Table 4.1.7. ECPP overall response rate, by whether household flagged as having children, opt-out questionnaire condition, and selected household characteristics: 2019–Continued

Selected household characteristics ²	All cases				Cases flagged as having children ¹				Cases not flagged as having children ¹			
	Number of eligible screener households included in response rate calculation	ECPP overall response rate (percentage)		<i>t</i> statistic	Number of eligible screener households included in response rate calculation	ECPP overall response rate (percentage)		<i>t</i> statistic	Number of eligible screener households included in response rate calculation	ECPP overall response rate (percentage)		<i>t</i> statistic
		Opt-out	Regular			Opt-out	Regular			Opt-out	Regular	
Census region												
Northeast	2,830	54.40	48.30	1.24	510	60.85	51.13	0.97	2,320	51.55	47.59	0.67
South	6,410	52.68	50.38	0.99	1,230	52.67	50.41	0.56	5,190	52.55	50.15	0.85
Midwest	3,340	55.88	60.08	-1.03	730	58.50	57.15	0.16	2,620	54.97	60.81	-1.22
West	3,600	53.07	52.51	0.19	650	57.91	46.92	1.36	2,950	52.12	54.10	-0.62
Race/ethnicity stratum												
25% or more Black	3,060	40.46	42.37	-0.57	580	43.31	38.46	0.70	2,490	39.42	43.11	-0.87
40% or more Hispanic	2,410	39.31	35.58	0.88	430	42.14	38.49	0.43	1,990	38.43	34.63	0.75
Other	10,700	58.17	57.37	0.38	2,100	61.06	55.89	1.32	8,600	57.23	57.67	-0.18
Tract poverty rate												
20 percent or higher	4,650	42.63	40.86	0.53	780	43.49	37.77	0.83	3,870	42.38	41.27	0.29
Below 20 percent	11,530	57.34	56.50	0.42	2,330	60.61	55.00	1.55	9,210	56.27	56.87	-0.25
Extent of missing frame information ³												
High	3,070	41.18	42.18	-0.19	‡	‡	‡	†	3,060	40.99	42.06	-0.20
Medium	5,330	50.75	51.39	-0.27	810	54.17	52.06	0.53	4,510	50.06	51.43	-0.50
Low	7,790	60.37	56.41	1.45	2,280	57.44	51.00	1.53	5,500	61.36	58.48	0.84
Census Low Response Score ⁴												
First quartile (low)	4,280	62.75	61.86	0.25	940	62.65	56.21	0.81	3,340	62.77	63.61	-0.20
Second quartile	4,100	60.53	58.62	0.75	870	62.25	58.93	0.92	3,230	59.68	58.70	0.32
Third quartile	3,920	46.04	53.70	-2.10 *	700	49.15	47.64	0.29	3,220	45.36	54.60	-2.15 *
Fourth quartile (high)	3,780	38.04	31.66	1.69	570	39.46	35.63	0.50	3,210	37.56	30.82	1.51

See notes at end of table.

Table 4.1.7. ECPP overall response rate, by whether household flagged as having children, opt-out questionnaire condition, and selected household characteristics: 2019–Continued

Selected household characteristics ²	All cases				Cases flagged as having children ¹				Cases not flagged as having children ¹			
	Number of eligible screener households included in response rate calculation	ECPP overall response rate (percentage)		<i>t</i> statistic	Number of eligible screener households included in response rate calculation	ECPP overall response rate (percentage)		<i>t</i> statistic	Number of eligible screener households included in response rate calculation	ECPP overall response rate (percentage)		<i>t</i> statistic
		Opt-out	Regular			Opt-out	Regular			Opt-out	Regular	
Percent of persons in block group without a high school diploma ⁵												
First quartile (low)	4,130	56.30	64.14	-2.21 *	810	62.64	60.69	0.26	3,330	54.31	64.83	-2.55 *
Second quartile	4,140	62.22	57.85	1.80	860	63.69	54.12	3.01 *	3,280	61.84	58.43	1.10
Third quartile	3,990	51.95	48.66	0.85	730	51.40	50.94	0.07	3,250	52.92	47.99	1.03
Fourth quartile (high)	3,920	41.23	36.42	1.25	710	47.09	33.04	2.07 *	3,210	39.32	37.20	0.45
Percent of persons in block group who are Black ⁵												
First quartile (low)	4,100	59.01	56.97	0.53	820	55.83	51.29	0.50	3,280	60.28	58.56	0.52
Second quartile	4,230	53.82	59.23	-1.43	850	61.95	52.94	1.44	3,380	50.86	60.88	-2.01 *
Third quartile	4,060	55.27	49.22	1.99 *	750	59.07	52.58	1.65	3,310	54.36	47.47	1.75
Fourth quartile (high)	3,790	44.41	43.36	0.31	690	47.24	43.39	0.78	3,100	43.54	43.36	0.04
Percent of persons in block group speaking a non-English language ⁵												
First quartile (low)	4,040	59.77	60.11	-0.11	840	53.48	55.90	-0.41	3,200	61.91	61.19	0.23
Second quartile	4,030	58.01	56.63	0.41	830	61.76	51.74	1.52	3,200	56.61	57.91	-0.31
Third quartile	4,020	53.71	53.04	0.20	760	62.72	53.62	1.73	3,270	51.27	52.73	-0.36
Fourth quartile (high)	4,080	42.28	40.51	0.50	680	46.75	41.33	0.69	3,400	41.07	40.34	0.18
Bilingual screener package mailed ⁶												
Yes	11,840	50.45	50.41	0.02	2,260	53.64	48.17	1.43	9,580	49.50	50.95	-0.62
No	4,350	61.90	58.78	0.91	850	64.33	60.03	0.99	3,500	60.87	58.23	0.62

† Not applicable

‡ Reporting standards not met. Either there are too few cases for a reliable estimate or the coefficient of variation (CV) is 50 percent or greater.

**p* < 0.05.

¹The address-based sampling frame used for NHES:2019 included a flag indicating that there were likely to be children living at certain addresses. Addresses lacking this flag are less likely to have children living there. However, it is important to note the nonflagged household group also includes those cases where the frame vendor could not determine whether children lived there. In addition, prior NHES research has found that there is some error in this flag variable.

²Unless indicated otherwise, the selected characteristics are based on available frame variables.

³Extent of missing frame information was determined based on the number of variables for which the address was missing information on the frame. This analysis is limited to variables for which there is an explicit missing category (as opposed to variables for which a lack of data implies either a lack of the tract in question or that the information is missing). “High missing” cases are cases missing information for 4 or more frame variables, “medium missing” cases are cases missing information for 1 to 3 frame variables, and “low missing” cases are those that were not missing information for any of the frame variables.

⁴The Census Low Response Score is a derived variable that identifies block groups with characteristics associated with low mail return rates to the 2010 Decennial Census. A higher low response score corresponds to a lower expected mail return rate. This variable was not available for a very small number of cases, and these cases have been excluded from this analysis. Cases that are in the first quartile are those that were expected to be the most likely to participate and those that are in the fourth quartile are those that were expected to be the least likely to participate.

⁵Percentages are based on block-level American Community Survey data (2013-2017). Cases in the first quartile were those with the lowest prevalence of the characteristic in question and those that are in the fourth quartile are those with the highest prevalence.

⁶Variable is from the NHES:2019 data collection operation files.

NOTE: ECPP is Early Childhood Program Participation topical survey. The overall response rate is the product of the screener response rate and the topical response rate. Screener and topical response rates were calculated using American Association for Public Opinion Research (AAPOR) Response Rate 1 (RR1). Unweighted eligible sample size was 9,110 for the opt-out condition, 1,760 for cases flagged as having children in the opt-out condition, 7,350 for cases not flagged as having children in the opt-out condition, 7,070 for the regular condition, 1,350 for cases flagged as having children in the regular condition, and 5,730 for cases not flagged as having children in the regular condition. Sample sizes have been rounded to the nearest 10. Detail may not sum to totals due to rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Household Education Surveys Program (NHES), 2019. U.S. Census Bureau, American Community Survey (ACS), 2013-2017.

Table 4.1.8. PFI overall response rate, by whether household flagged as having children, opt-out questionnaire condition, and selected household characteristics: 2019

Selected household characteristics ²	All cases				Cases flagged as having children ¹				Cases not flagged as having children ¹			
	Number of eligible screener households included in response rate calculation	PFI overall response rate (percentage)		<i>t</i> statistic	Number of eligible screener households included in response rate calculation	PFI overall response rate (percentage)		<i>t</i> statistic	Number of eligible screener households included in response rate calculation	PFI overall response rate (percentage)		<i>t</i> statistic
		Opt-out	Regular			Opt-out	Regular			Opt-out	Regular	
Gender of head of household												
Male	5,450	58.19	53.98	1.62	1,260	61.09	52.06	1.90	4,190	55.13	54.62	0.15
Female	4,820	51.30	50.25	0.33	1,260	46.33	48.32	-0.46	3,560	54.47	48.17	1.40
Missing	5,910	45.87	49.38	-1.53	590	47.54	51.73	-0.74	5,320	46.02	48.86	-1.09
Age of head of household												
18-34	1,410	38.13	44.11	-1.25	440	33.35	37.94	-0.63	970	42.60	45.84	-0.53
35-44	2,050	48.47	46.74	0.51	800	47.26	40.82	1.30	1,240	49.53	50.88	-0.33
45-54	2,280	55.80	50.94	1.84	830	57.86	52.73	1.24	1,450	54.25	49.25	1.46
55-65	2,820	55.03	57.55	-0.52	580	58.06	64.86	-0.92	2,240	54.29	53.57	0.12
Over 65	3,140	72.48	64.12	1.51	360	76.75	62.70	2.15	2,780	70.29	63.89	0.87
Missing	4,480	38.03	41.31	-1.05	90	37.65	43.32	-0.50	4,390	37.83	41.09	-1.02
Marital status of head of household												
Single	5,360	43.30	45.35	-0.67	640	40.35	42.81	-0.38	4,720	45.08	44.88	0.07
Married	8,190	59.09	57.03	1.01	2,400	56.00	52.85	1.00	5,790	59.87	58.05	0.68
Missing	2,640	41.44	44.15	-0.56	70	54.42	42.34	1.00	2,570	40.88	44.21	-0.66
Race/ethnicity of head of household												
White	7,990	60.38	57.97	1.05	1,990	59.96	53.98	1.73	6,000	59.24	58.18	0.34
Black	1,750	31.32	41.92	-2.02	450	18.00	45.38	-4.13	1,300	40.83	37.38	0.51
Hispanic	1,830	42.38	34.12	2.29	450	43.06	34.57	1.41	1,380	42.09	33.32	1.94
Asian/Pacific Islander or Other	630	49.58	50.23	-0.09	120	58.76	62.53	-0.33	510	46.02	47.19	-0.12
Missing	3,980	44.53	47.92	-1.00	100	48.58	44.76	0.20	3,880	44.84	48.18	-0.94

See notes at end of table.

Table 4.1.8. PFI overall response rate, by whether household flagged as having children, opt-out questionnaire condition, and selected household characteristics: 2019–Continued

Selected household characteristics ²	All cases				Cases flagged as having children ¹				Cases not flagged as having children ¹			
	Number of eligible screener households included in response rate calculation	PFI overall response rate (percentage)		<i>t</i> statistic	Number of eligible screener households included in response rate calculation	PFI overall response rate (percentage)		<i>t</i> statistic	Number of eligible screener households included in response rate calculation	PFI overall response rate (percentage)		<i>t</i> statistic
		Opt-out	Regular			Opt-out	Regular			Opt-out	Regular	
Highest education level of head of household												
Less than high school diploma	1,710	37.89	35.75	0.49	300	27.46	32.58	-0.57	1,410	43.13	35.87	1.64
High school diploma	3,500	52.56	55.63	-0.82	810	47.51	49.68	-0.37	2,690	55.81	57.01	-0.27
Some college	3,550	53.58	49.71	1.35	940	54.16	52.46	0.44	2,610	50.29	44.77	1.18
Bachelor's degree	2,350	61.08	56.62	1.04	670	60.68	49.18	1.55	1,680	60.54	60.64	-0.02
Graduate degree	1,400	64.57	65.30	-0.23	350	63.81	64.73	-0.19	1,050	62.59	63.29	-0.13
Missing	3,670	44.08	48.55	-1.23	‡	‡	‡	†	3,640	43.87	48.56	-1.28
Household income												
Less than \$25,000	2,580	41.06	46.08	-1.25	460	32.41	45.68	-1.70	2,120	46.27	44.03	0.62
\$25,000-\$49,999	3,510	49.30	48.43	0.22	660	52.75	48.15	0.66	2,850	48.14	46.82	0.28
\$50,000-\$74,999	2,320	56.43	55.34	0.28	520	50.88	50.25	0.09	1,790	58.10	56.52	0.33
\$75,000-\$99,999	1,930	61.98	56.36	1.59	510	57.91	55.46	0.48	1,430	63.15	54.36	1.75
\$100,000-\$149,999	2,080	57.10	51.86	1.31	610	59.34	46.14	1.87	1,460	54.13	55.90	-0.34
\$150,000 or more	1,460	63.29	61.39	0.51	340	57.27	62.41	-0.73	1,110	65.69	59.63	1.18
Missing	2,310	37.10	44.79	-1.47	‡	‡	‡	†	2,310	37.07	44.73	-1.45
Home tenure												
Own	10,400	59.87	57.27	1.45	2,350	58.33	54.66	1.17	8,040	59.63	57.58	0.91
Rent	3,340	38.62	38.53	0.03	670	32.79	35.41	-0.43	2,670	42.54	37.72	1.32
Missing	2,450	31.82	40.88	-1.90	80	45.57	41.00	0.34	2,360	31.23	40.88	-1.95
Number of adults in household												
1	7,670	48.23	45.43	1.32	1,190	44.46	41.96	0.59	6,480	49.25	44.75	1.69
2	4,540	60.36	61.87	-0.61	1,310	55.86	54.09	0.49	3,230	61.30	64.37	-0.91
3	1,240	64.07	54.16	1.22	440	63.58	54.18	0.74	810	64.11	54.49	1.15
4 or more	430	60.18	49.58	1.03	180	63.49	55.70	0.65	250	56.82	43.53	0.62
Missing	2,300	36.74	44.36	-1.43	†	†	†	†	2,300	36.74	44.36	-1.43

See notes at end of table.

Table 4.1.8. PFI overall response rate, by whether household flagged as having children, opt-out questionnaire condition, and selected household characteristics: 2019–Continued

Selected household characteristics ²	All cases				Cases flagged as having children ¹				Cases not flagged as having children ¹			
	Number of eligible screener households included in response rate calculation	PFI overall response rate (percentage)		<i>t</i> statistic	Number of eligible screener households included in response rate calculation	PFI overall response rate (percentage)		<i>t</i> statistic	Number of eligible screener households included in response rate calculation	PFI overall response rate (percentage)		<i>t</i> statistic
		Opt-out	Regular			Opt-out	Regular			Opt-out	Regular	
Ability to match address to phone number												
Phone number available	10,900	54.72	53.91	0.45	2,480	53.74	51.40	0.71	8,430	55.13	54.28	0.37
No phone number available	5,280	45.35	45.91	-0.21	630	49.14	46.30	0.65	4,650	44.08	45.11	-0.31
Route type												
Street	12,330	54.79	53.27	0.96	2,750	53.33	51.64	0.58	9,570	55.47	52.97	1.29
P.O. box	120	‡	50.14	†	‡	‡	‡	†	100	‡	49.78	†
Rural route	‡	‡	‡	†	‡	†	‡	†	‡	‡	‡	†
High rise	3,730	41.73	44.96	-0.85	340	50.40	39.40	1.58	3,390	40.07	45.47	-1.21
Dwelling type												
Single unit	12,040	55.17	54.23	0.58	2,730	53.42	52.99	0.16	9,310	55.95	53.38	1.29
Multi-unit	4,020	41.50	41.52	-0.01	360	50.04	‡	†	3,660	39.96	45.00	-1.25
Missing	120	‡	50.14	†	‡	‡	‡	†	100	‡	49.78	†
Vacancy status												
Flagged as vacant	160	44.57	‡	†	‡	‡	‡	†	140	43.08	47.01	-0.45
Not flagged as vacant	16,020	51.84	51.53	0.21	3,090	52.83	50.84	0.72	12,930	51.44	51.09	0.18
Seasonal address type												
Seasonal or educational seasonal delivery	100	‡	‡	†	‡	‡	†	†	100	‡	‡	†
No seasonal delivery	16,080	51.61	51.18	0.29	3,110	52.79	50.46	0.85	12,980	51.18	50.85	0.17
Drop point address type												
Drop point	250	30.67	45.63	-1.16	‡	‡	‡	†	200	‡	44.83	†
Not a drop point	15,940	51.96	51.39	0.38	3,060	53.06	50.62	0.89	12,880	51.60	51.12	0.25

See notes at end of table.

Table 4.1.8. PFI overall response rate, by whether household flagged as having children, opt-out questionnaire condition, and selected household characteristics: 2019–Continued

Selected household characteristics ²	All cases				Cases flagged as having children ¹				Cases not flagged as having children ¹			
	Number of eligible screener households included in response rate calculation	PFI overall response rate (percentage)		<i>t</i> statistic	Number of eligible screener households included in response rate calculation	PFI overall response rate (percentage)		<i>t</i> statistic	Number of eligible screener households included in response rate calculation	PFI overall response rate (percentage)		<i>t</i> statistic
		Opt-out	Regular			Opt-out	Regular			Opt-out	Regular	
Census region												
Northeast	2,830	50.59	49.09	0.29	510	51.82	42.78	0.82	2,320	50.69	52.42	-0.33
South	6,410	47.03	49.88	-1.15	1,230	45.38	49.85	-0.94	5,190	47.86	48.44	-0.17
Midwest	3,340	58.78	54.32	1.35	730	58.90	54.31	0.97	2,620	58.18	53.70	0.92
West	3,600	53.30	51.82	0.64	650	58.86	51.98	1.60	2,950	51.20	51.11	0.03
Race/ethnicity stratum												
25% or more Black	3,060	38.77	39.14	-0.12	580	38.89	43.15	-0.66	2,490	38.92	36.28	0.67
40% or more Hispanic	2,410	36.32	36.42	-0.03	430	38.74	37.83	0.15	1,990	35.68	36.12	-0.09
Other	10,700	56.39	55.81	0.30	2,100	56.98	53.34	1.08	8,600	56.25	56.20	0.02
Tract poverty rate												
20 percent or higher	4,650	38.11	41.17	-1.09	780	34.25	39.80	-1.05	3,870	39.87	40.63	-0.22
Below 20 percent	11,530	56.41	54.64	1.02	2,330	57.52	53.41	1.30	9,210	55.54	54.66	0.40
Extent of missing frame information ³												
High	3,070	39.83	46.22	-1.56	‡	‡	‡	†	3,060	39.73	46.01	-1.52
Medium	5,330	49.29	47.16	0.94	810	46.69	47.90	-0.25	4,510	50.10	46.36	1.36
Low	7,790	57.68	55.96	0.77	2,280	54.88	51.19	1.13	5,500	58.14	56.53	0.51
Census Low Response Score ⁴												
First quartile (low)	4,280	65.75	60.64	1.76	940	65.07	59.26	1.20	3,340	66.26	60.24	1.68
Second quartile	4,100	55.50	56.86	-0.49	870	59.02	54.63	0.96	3,230	51.93	56.73	-1.23
Third quartile	3,920	44.56	46.34	-0.48	700	39.66	37.57	0.27	3,220	47.62	48.68	-0.30
Fourth quartile (high)	3,780	35.42	35.94	-0.15	570	34.43	41.75	-1.19	3,210	35.62	34.37	0.30

See notes at end of table.

Table 4.1.8. PFI overall response rate, by whether household flagged as having children, opt-out questionnaire condition, and selected household characteristics: 2019–Continued

Selected household characteristics ²	All cases				Cases flagged as having children ¹				Cases not flagged as having children ¹			
	Number of eligible screener households included in response rate calculation	PFI overall response rate (percentage)		<i>t</i> statistic	Number of eligible screener households included in response rate calculation	PFI overall response rate (percentage)		<i>t</i> statistic	Number of eligible screener households included in response rate calculation	PFI overall response rate (percentage)		<i>t</i> statistic
		Opt-out	Regular			Opt-out	Regular			Opt-out	Regular	
Percent of persons in block group without a high school diploma ⁵												
First quartile (low)	4,130	60.15	58.60	0.52	810	63.27	58.44	0.87	3,330	58.04	59.18	-0.31
Second quartile	4,140	56.90	54.51	0.90	860	55.57	50.52	1.20	3,280	57.84	54.87	0.87
Third quartile	3,990	47.49	50.48	-0.93	730	47.55	50.70	-0.51	3,250	48.04	49.77	-0.46
Fourth quartile (high)	3,920	39.93	38.54	0.50	710	41.18	38.95	0.41	3,210	39.67	37.60	0.59
Percent of persons in block group who are Black ⁵												
First quartile (low)	4,100	58.89	54.85	1.44	820	59.81	56.17	0.74	3,280	58.05	53.44	1.33
Second quartile	4,230	56.81	55.63	0.40	850	56.32	50.32	0.88	3,380	57.09	58.02	-0.33
Third quartile	4,060	47.98	51.72	-1.28	750	49.24	48.70	0.10	3,310	48.15	51.15	-0.74
Fourth quartile (high)	3,790	39.50	39.01	0.13	690	41.52	43.88	-0.42	3,100	38.83	36.56	0.49
Percent of persons in block group speaking a non-English language ⁵												
First quartile (low)	4,040	52.18	56.57	-1.34	840	46.35	52.57	-1.14	3,200	56.03	57.50	-0.43
Second quartile	4,030	59.47	53.44	2.08 *	830	61.81	55.37	1.86	3,200	57.01	50.69	1.42
Third quartile	4,020	51.55	53.72	-0.83	760	57.10	52.17	0.93	3,270	49.68	54.04	-1.34
Fourth quartile (high)	4,080	42.53	40.30	0.81	680	45.51	37.38	1.04	3,400	41.67	41.39	0.09
Bilingual screener package mailed ⁶												
Yes	11,840	49.06	49.72	-0.41	2,260	50.97	48.67	0.66	9,580	48.28	49.67	-0.66
No	4,350	58.54	55.24	1.03	850	57.14	54.74	0.46	3,500	59.58	54.08	1.33

† Not applicable

‡ Reporting standards not met. Either there are too few cases for a reliable estimate or the coefficient of variation (CV) is 50 percent or greater.

**p* < 0.05.

¹The address-based sampling frame used for NHES:2019 included a flag indicating that there were likely to be children living at certain addresses. Addresses lacking this flag are less likely to have children living there. However, it is important to note the nonflagged household group also includes those cases where the frame vendor could not determine whether children lived there. In addition, prior NHES research has found that there is some error in this flag variable.

²Unless indicated otherwise, the selected characteristics are based on available frame variables.

³Extent of missing frame information was determined based on the number of variables for which the address was missing information on the frame. This analysis is limited to variables for which there is an explicit missing category (as opposed to variables for which a lack of data implies either a lack of the tract in question or that the information is missing). “High missing” cases are cases missing information for 4 or more frame variables, “medium missing” cases are cases missing information for 1 to 3 frame variables, and “low missing” cases are those that were not missing information for any of the frame variables.

⁴The Census Low Response Score is a derived variable that identifies block groups with characteristics associated with low mail return rates to the 2010 Decennial Census. A higher low response score corresponds to a lower expected mail return rate. This variable was not available for a very small number of cases, and these cases have been excluded from this analysis. Cases that are in the first quartile are those that were expected to be the most likely to participate and those that are in the fourth quartile are those that were expected to be the least likely to participate.

⁵Percentages are based on block-level American Community Survey data (2013-2017). Cases in the first quartile were those with the lowest prevalence of the characteristic in question and those that are in the fourth quartile are those with the highest prevalence.

⁶Variable is from the NHES:2019 data collection operation files.

NOTE: PFI is Parent and Family Involvement topical survey. The overall response rate is the product of the screener response rate and the topical response rate. Screener and topical response rates were calculated using American Association for Public Opinion Research (AAPOR) Response Rate 1 (RR1). Unweighted eligible sample size was 9,110 for the opt-out condition, 1,760 for cases flagged as having children in the opt-out condition, 7,350 for cases not flagged as having children in the opt-out condition, 7,070 for the regular condition, 1,350 for cases flagged as having children in the regular condition, and 5,730 for cases not flagged as having children in the regular condition. Sample sizes have been rounded to the nearest 10. Detail may not sum to totals due to rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Household Education Surveys Program (NHES), 2019. U.S. Census Bureau, American Community Survey (ACS), 2013-2017.

Table 4.2.1. Screener response rate, by likely-Spanish-speaking classification, targeted materials condition, and response mode: 2019

Response mode	All cases			Likely-Spanish-speaking households ¹			Not-likely-Spanish-speaking households ¹		
	Screener response rate (percentage)		<i>t</i> statistic	Screener response rate (percentage)		<i>t</i> statistic	Screener response rate (percentage)	<i>t</i> statistic	
	Targeted	Baseline		Targeted	Baseline			Not likely-Spanish vs. Likely-Spanish Targeted	Not likely-Spanish vs. Likely-Spanish Baseline
Overall	58.34	58.90	-1.15	39.99	45.86	-5.67 *	61.86	23.06 *	24.18 *
Web	34.45	34.89	-0.82	21.32	24.44	-3.53 *	37.17	20.14 *	24.03 *
Paper	19.63	19.70	-0.19	16.32	18.51	-2.87 *	20.06	5.61 *	2.93 *
Inbound telephone	4.27	4.32	-0.21	2.34	2.91	-1.64	4.63	8.44 *	7.03 *

**p* < .05.

¹Likely-Spanish-speaking households were identified based on information available on the frame: (1) the household is flagged as having a Hispanic surname, (2) the household is in a tract with 40% or more Hispanic persons, or (3) the household is in a tract where 10% or more households have Spanish as their primary language and “limited English-speaking” status.

NOTE: Response rates were calculated using American Association for Public Opinion Research (AAPOR) Response Rate 1 (RR1). Percentages represent the proportion of sampled households (excluding undeliverable and out-of-scope addresses) that were respondents to the screener questionnaire. Unweighted sample size was 13,480 for the targeted condition and 36,700 for the baseline condition. Unweighted sample size was 2,890 for likely-Spanish-speaking cases in the targeted condition and 8,210 for likely-Spanish-speaking cases in the baseline condition. Unweighted sample size was 38,940 for not-likely-Spanish-speaking cases in the targeted and baseline conditions. Sample sizes have been rounded to the nearest 10. Detail may not sum to totals because of rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Household Education Surveys Program (NHES), 2019.

Table 4.2.2. Percentage point gain in screener response rate after each mailing, by likely-Spanish-speaking classification, targeted materials condition, mailing, and response mode: 2019

Mailing and response mode	All cases			Likely-Spanish-speaking households ¹			not-likely-Spanish-speaking households ¹		
	Percentage point gain in screener response rate		<i>t</i> statistic	Percentage point gain in screener response rate		<i>t</i> statistic	Percentage point gain in screener response rate	<i>t</i> statistic	
	Targeted	Baseline		Targeted	Baseline			Not likely-Spanish vs. Likely-Spanish Targeted	Not likely-Spanish vs. Likely-Spanish Baseline
Initial screener package									
Overall	21.33	21.11	0.44	10.15	12.76	-3.81 *	23.12	23.11 *	27.14 *
Web	20.04	19.91	0.25	9.77	12.19	-3.62 *	21.75	21.85 *	25.04 *
Paper ²	‡	‡	†	#	‡	†	0.01!	2.04 *	†
Inbound telephone	1.29	1.19	0.76	0.38	0.57	-1.58	1.37	8.05 *	7.54 *
Pressure-sealed envelope									
Overall	11.71	12.17	-1.38	9.01	9.21	-0.38	12.67	7.76 *	9.55 *
Web	9.85	10.28	-1.36	7.58	8.14	-1.18	10.64	7.38 *	7.61 *
Paper ²	0.06!	0.03	1.03	‡	‡	†	0.04	†	†
Inbound telephone	1.80	1.86	-0.35	1.39	1.05	1.34	1.99	2.88 *	7.08 *
Second screener package									
Overall	4.16	4.44	-1.36	3.56	3.66	-0.25	4.52	2.42 *	4.13 *
Web	3.72	3.89	-0.82	3.35	3.19	0.42	3.97	1.58	4.15 *
Paper ²	‡	0.01!	†	‡	#	†	0.01!	†	2.49 *
Inbound telephone	0.43	0.54	-1.50	0.18!	0.47	-2.76 *	0.53	4.27 *	0.72
Third screener package									
Overall	15.97	16.06	-0.23	12.76	14.91	-2.78 *	16.41	5.63 *	3.07 *
Web	0.72	0.65	0.87	0.55	0.78	-1.29	0.66	0.70	-1.04
Paper	14.63	14.81	-0.48	11.94	13.50	-2.02 *	15.12	5.10 *	3.52 *
Inbound telephone	0.63	0.61	0.22	0.26!	0.63	-2.40 *	0.63	3.48 *	0.02
Fourth screener package									
Overall	5.17	5.11	0.26	4.51	5.31	-1.79	5.13	1.56	-0.67
Web	0.13	0.15	-0.70	‡	0.15	†	0.15	†	0.13
Paper	4.92	4.84	0.40	4.32	4.98	-1.51	4.87	1.40	-0.43
Inbound telephone	0.12	0.12	0.04	‡	0.18	-0.58	0.11	-0.28	-1.46

† Not applicable.

Rounds to zero.

! Interpret with caution. The coefficient of variation (CV) is between 30 and 50 percent.

‡ Reporting standards not met. Either there are too few cases for a reliable estimate or the coefficient of variation (CV) is 50 percent or greater.

* $p < .05$.

¹Likely-Spanish-speaking households were identified based on information available on the frame: (1) the household is flagged as having a Hispanic surname, (2) the household is in a tract with 40% or more Hispanic persons, or (3) the household is in a tract where 10% or more households have Spanish as their primary language and “limited English-speaking” status.

²Within the web-push conditions, sample members could receive a paper questionnaire prior to the third screener package by calling the Census Bureau and requesting one.

NOTE: Response rates were calculated using American Association for Public Opinion Research (AAPOR) Response Rate 1 (RRI). Percentages represent the proportion of sampled households (excluding undeliverable and out-of-scope addresses) that were respondents to the screener after the specified mailing. Response is attributed to a mailing if the response was received three or more days after that mailing was sent and less than three days after the next mailing was sent. Unweighted sample size was 13,480 for the targeted condition and 36,700 for the baseline condition. Unweighted sample size was 2,890 for likely-Spanish-speaking cases in the targeted condition and 8,210 for likely-Spanish-speaking cases in the baseline condition. Unweighted sample size was 38,940 for not-likely-Spanish-speaking cases in the baseline and targeted conditions. Sample sizes have been rounded to the nearest 10. Detail may not sum to totals because of rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Household Education Surveys Program (NHES), 2019.

Table 4.2.3. Screener response rate, by likely-Spanish-speaking classification, targeted materials condition, and selected household characteristics: 2019

Selected household characteristics ²	All cases				Likely-Spanish-speaking households ¹				not-likely-Spanish-Speaking households ¹				
	Number of eligible households included in response rate calculation	Screener response rate (percentage)		<i>t</i> statistic	Number of eligible households included in response rate calculation	Screener response rate (percentage)		<i>t</i> statistic	Number of eligible households included in response rate calculation	Screener response rate (percent-age)	<i>t</i> statistic		
		Targeted	Baseline			Not likely-Spanish vs. Likely-Spanish Targeted	Not likely-Spanish vs. Likely-Spanish Baseline						
Gender of head of household													
Male	16,920	62.05	62.30	-0.31	3,570	41.95	47.34	-2.72 *	13,320	65.50	12.19 *	17.43 *	
Female	14,850	60.03	60.57	-0.54	3,210	43.82	48.41	-2.29 *	11,590	63.25	11.53 *	12.47 *	
Missing	18,410	53.53	54.31	-0.93	4,320	35.65	42.55	-4.29 *	14,030	57.18	14.46 *	12.34 *	
Age of head of household													
18-34	4,360	49.72	51.64	-1.10	1,130	40.87	44.75	-1.06	3,220	53.24	4.55 *	3.82 *	
35-44	6,100	51.35	52.27	-0.62	1,430	39.43	42.18	-0.98	4,650	54.60	5.98 *	7.87 *	
45-54	7,230	57.65	59.32	-1.40	1,560	43.07	48.58	-1.80	5,650	61.35	6.35 *	8.19 *	
55-65	8,720	69.63	69.08	0.48	1,740	49.84	56.78	-2.45 *	6,950	71.90	8.50 *	9.22 *	
Over 65	9,770	76.52	76.19	0.34	1,480	55.25	64.34	-3.03 *	8,260	78.14	8.22 *	9.28 *	
Missing	14,010	43.87	44.70	-0.88	3,750	28.59	33.57	-2.99 *	10,210	47.82	13.63 *	13.03 *	
Marital status of head of household													
Single	16,400	53.82	53.43	0.43	4,130	38.80	42.68	-2.10 *	12,220	56.67	10.37 *	12.06 *	
Married	25,620	64.51	66.30	-3.03 *	5,160	43.97	52.38	-4.78 *	20,410	68.77	16.72 *	17.92 *	
Missing	8,160	46.04	45.80	0.19	1,810	30.11	33.44	-1.43	6,300	48.59	8.19 *	10.19 *	
Race/ethnicity of head of household													
White	24,210	66.26	66.79	-0.83	2,250	47.76	56.71	-3.77 *	21,940	67.51	9.40 *	8.51 *	
Black	5,590	49.40	46.56	1.83	530	36.27	43.92	-1.59	5,000	47.95	2.79 *	1.51	
Hispanic	5,920	42.84	46.34	-2.39 *	5,410	40.59	44.88	-2.76 *	510	59.62	8.08 *	6.80 *	
Asian/Pacific Islander or Other	1,990	56.47	58.09	-0.58	380	43.69	54.24	-1.56	1,610	58.70	2.69 *	1.23	
Missing	12,470	51.78	52.09	-0.32	2,540	32.33	37.10	-2.42 *	9,890	54.94	12.62 *	15.59 *	

See notes at end of table.

Table 4.2.3. Screener response rate, by whether household flagged as being likely Spanish speakers, targeted mailing condition, and selected household characteristics: 2019–Continued

Selected household characteristics ²	All cases				Likely-Spanish-speaking households ¹				Not-likely-Spanish-speaking households ¹				
	Number of eligible households included in response rate calculation	Screener response rate (percentage)		<i>t</i> statistic	Number of eligible households included in response rate calculation	Screener response rate (percentage)		<i>t</i> statistic	Number of eligible households included in response rate calculation	Screener response rate (percent-age)	<i>t</i> statistic		
						Not likely-Spanish vs. Likely-Spanish Targeted	Not likely-Spanish vs. Likely-Spanish Baseline						
Highest education level of head of household													
Less than high school diploma	5,320	47.87	48.36	-0.34	2,600	33.39	38.12	-2.10 *	2,710	56.80	10.18 *	12.69 *	
High school diploma	11,040	59.47	60.79	-1.37	2,450	43.32	50.15	-3.05 *	8,570	63.11	10.18 *	9.75 *	
Some college	10,710	58.39	58.73	-0.33	2,140	43.07	49.89	-3.03 *	8,530	60.68	8.77 *	7.39 *	
Bachelor's degree	7,200	66.89	67.06	-0.15	1,030	55.20	57.02	-0.45	6,150	68.33	3.67 *	5.85 *	
Graduate degree	4,530	69.32	71.81	-1.73	540	47.91	61.10	-2.76 *	3,980	72.53	5.71 *	4.42 *	
Missing	11,380	51.22	50.90	0.30	2,340	31.93	36.89	-2.56 *	9,000	53.85	12.15 *	13.88 *	
Household income													
Less than \$25,000	8,050	50.63	51.64	-0.75	2,270	35.07	40.06	-1.96	5,760	55.26	11.36 *	8.59 *	
\$25,000-\$49,999	10,710	57.99	58.79	-0.68	2,640	39.52	45.69	-2.77 *	8,040	62.18	11.18 *	12.59 *	
\$50,000-\$74,999	7,380	63.58	63.59	-0.01	1,670	41.81	50.24	-2.98 *	5,690	67.05	10.35 *	11.50 *	
\$75,000-\$99,999	5,940	64.37	65.54	-0.87	1,290	46.87	52.57	-1.65	4,640	68.15	6.96 *	8.58 *	
\$100,000-\$149,999	6,190	61.18	62.91	-1.20	1,190	45.63	51.48	-1.61	4,980	64.79	6.14 *	6.60 *	
\$150,000 or more	4,790	67.76	69.21	-0.96	650	51.89	59.85	-1.65	4,130	70.20	4.28 *	4.42 *	
Missing	7,120	46.69	45.42	1.00	1,390	27.87	30.18	-0.88	5,700	48.47	9.23 *	10.98 *	
Home tenure													
Own	32,430	65.46	66.55	-1.89	6,050	46.85	54.05	-5.09 *	26,320	68.69	16.37 *	16.66 *	
Rent	10,280	45.01	45.26	-0.19	3,260	33.66	37.99	-2.35 *	6,970	48.31	8.00 *	8.56 *	
Missing	7,470	42.82	42.33	0.36	1,790	27.34	30.94	-1.50	5,650	45.29	8.74 *	9.86 *	

See notes at end of table.

Table 4.2.3. Screener response rate, by likely-Spanish-speaking classification, targeted materials condition, and selected household characteristics: 2019—Continued

Selected household characteristics2	All cases				Likely-Spanish-speaking households 1				Not-likely-Spanish-speaking households1				
	Number of eligible households included in response rate calculation	Screener response rate (percentage)		t statistic	Number of eligible households included in response rate calculation	Screener response rate (percentage)		t statistic	Number of eligible households included in response rate calculation	Screener response rate (percent-age)	t statistic		
		Targeted	Baseline			Not likely-Spanish vs. Likely-Spanish Targeted	Not likely-Spanish vs. Likely-Spanish Baseline						
Number of adults in household													
1	23,950	53.29	54.01	-0.92	6,140	38.40	43.07	-3.41 *	17,740	57.04	15.01 *	16.38 *	
2	14,060	67.81	69.68	-2.46 *	2,480	46.23	55.38	-4.19 *	11,550	71.76	12.02 *	11.19 *	
3	3,810	69.03	70.60	-0.91	780	53.32	57.31	-1.01	3,020	72.83	5.29 *	8.08 *	
4 or more	1,300	67.52	69.04	-0.58	320	37.14	60.06	-3.55 *	980	72.16	6.45 *	3.44 *	
Missing	7,070	46.53	45.34	0.93	1,380	27.48	30.00	-0.96	5,660	48.39	9.49 *	10.90 *	
Household flagged as having children													
Yes	9,810	56.29	59.90	-3.20 *	2,140	39.16	48.54	-3.77 *	7,640	61.77	10.83 *	9.12 *	
No	40,380	58.84	58.66	0.32	8,960	40.19	45.18	-4.74 *	31,300	61.88	21.99 *	24.55 *	
Ability to match address to phone number													
Phone number available	33,690	62.30	63.21	-1.62	6,970	42.91	50.37	-5.82 *	26,630	65.86	19.13 *	18.75 *	
No phone number available	16,490	49.88	49.99	-0.13	4,130	34.94	38.09	-2.02 *	12,310	53.14	12.31 *	14.33 *	
Route type													
Street	38,690	61.28	62.24	-1.84	7,720	41.84	48.89	-5.30 *	30,890	64.81	19.11 *	20.24 *	
P.O. box	340	64.35	56.65	1.13	70	‡	35.71	†	270	63.37	†	3.90 *	
Rural route	10	‡	‡	†	†	‡	‡	†	10	‡	†	†	
High rise	11,140	46.85	47.02	-0.15	3,320	35.73	39.00	-1.82	7,770	49.80	8.19 *	10.03 *	
Dwelling type													
Single unit	37,580	61.90	62.86	-1.88	7,370	42.58	49.59	-5.31 *	30,130	65.35	18.85 *	19.44 *	
Multi-unit	12,270	46.02	46.38	-0.33	3,660	34.68	38.45	-2.38 *	8,540	49.15	9.16 *	10.30 *	
Missing	340	64.35	56.65	1.13	70	‡	35.71	†	270	63.37	†	3.90 *	

See notes at end of table.

Table 4.2.3. Screener response rate, by likely-Spanish-speaking classification, targeted materials condition, and selected household characteristics: 2019—Continued

Selected household characteristics ²	All cases				Likely-Spanish-speaking households ¹				Not-likely-Spanish-speaking households ¹			
	Number of eligible households included in response rate calculation	Screener response rate (percentage)		<i>t</i> statistic	Number of eligible households included in response rate calculation	Screener response rate (percentage)		<i>t</i> statistic	Number of eligible households included in response rate calculation	Screener response rate (percentage)	<i>t</i> statistic	
		Targeted	Baseline			Targeted	Baseline				Not likely-Spanish vs. Likely-Spanish Targeted	Not likely-Spanish vs. Likely-Spanish Baseline
Vacancy status												
Flagged as vacant	580	42.76	45.33	-0.51	140	32.28	40.18	-0.89	430	46.44	1.65	1.28
Not flagged as vacant	49,610	58.50	59.06	-1.13	10,960	40.09	45.93	-5.62 *	38,510	62.02	23.01 *	24.59 *
Seasonal address type												
Seasonal or educational seasonal delivery	310	75.71	75.49	0.03	30	‡	‡	†	280	75.72	†	†
No seasonal delivery	49,870	58.21	58.79	-1.18	11,070	39.89	45.78	-5.69 *	38,660	61.75	22.94 *	24.23 *
Drop point address type												
Drop point	770	47.24	46.02	0.31	280	25.22	34.08	-1.37	490	52.57	4.92 *	4.05 *
Not a drop point	49,410	58.50	59.09	-1.15	10,820	40.33	46.16	-5.57 *	38,450	61.97	22.39 *	24.11 *
Census region												
Northeast	8,640	59.99	60.15	-0.16	1,630	36.59	43.73	-2.61 *	6,980	63.44	11.82 *	12.26 *
South	20,170	55.22	55.28	-0.08	4,290	40.17	44.00	-2.25 *	15,810	57.89	12.15 *	14.00 *
Midwest	10,310	64.15	64.10	0.05	800	41.69	47.17	-1.20	9,500	65.37	5.91 *	7.81 *
West	11,060	56.70	59.05	-2.05 *	4,380	40.84	48.25	-4.23 *	6,650	63.83	13.72 *	15.02 *
Race/ethnicity stratum												
25% or more Black	9,570	46.80	45.30	1.26	1,320	33.83	36.67	-0.85	8,110	47.42	4.96 *	5.45 *
40% or more Hispanic	7,480	39.51	44.87	-4.04 *	7,480	39.51	44.87	-4.04 *	†	†	†	†
Other	33,130	62.98	63.42	-0.74	2,310	43.22	51.23	-4.01 *	30,830	64.36	11.15 *	9.94 *

See notes at end of table.

Table 4.2.3. Screener response rate, by likely-Spanish-speaking classification, targeted materials condition, and selected household characteristics: 2019—Continued

Selected household characteristics ²	All cases				Likely-Spanish-speaking households ¹					Not-likely-Spanish-speaking households ¹				
	Number of eligible households included in response rate calculation	Screener response rate (percentage)		<i>t</i> statistic	Number of eligible screener included in response rate calculation	Screener response rate (percentage)		<i>t</i> statistic	Number of eligible households included in response rate calculation	Screener response rate (percent-age)	<i>t</i> statistic			
							Not likely-Spanish vs. Likely-Spanish Targeted				Not likely-Spanish vs. Likely-Spanish Baseline			
Targeted	Baseline		Targeted	Baseline		Targeted	Baseline							
Tract poverty rate														
20 percent or higher	14,430	45.81	45.80	0.01	5,440	35.29	40.18	-2.94 *	8,900	49.13	8.56 *	8.85 *		
Below 20 percent	35,750	62.37	63.25	-1.61	5,660	43.88	50.63	-5.16 *	30,040	65.09	16.65 *	17.49 *		
Extent of missing frame information ³														
High	9,480	47.75	47.50	0.21	2,000	28.89	32.98	-1.87	7,440	50.56	11.37 *	13.06 *		
Medium	16,700	54.74	56.29	-1.62	4,340	36.66	44.32	-4.46 *	12,320	59.53	14.88 *	14.75 *		
Low	24,010	64.86	65.08	-0.31	4,770	47.51	52.10	-2.62 *	19,180	67.69	12.58 *	15.70 *		
Census Low Response Score ⁴														
First quartile (low)	13,200	70.52	70.35	0.20	930	55.80	60.25	-1.22	12,270	71.12	5.05 *	5.70 *		
Second quartile	12,650	61.79	63.21	-1.54	1,480	40.96	52.76	-3.74 *	11,160	64.25	9.04 *	7.13 *		
Third quartile	12,350	53.75	54.01	-0.24	3,160	41.65	47.66	-2.87 *	9,170	56.05	7.62 *	7.03 *		
Fourth quartile (high)	11,720	40.85	41.68	-0.69	5,450	35.53	39.12	-2.22 *	6,160	43.79	5.55 *	4.36 *		
Percent of persons in block group without a high school diploma ⁵														
First quartile (low)	12,930	66.25	66.44	-0.24	990	48.64	55.75	-1.78	11,940	67.29	5.87 *	5.50 *		
Second quartile	12,570	62.45	63.60	-1.13	1,440	44.05	53.33	-3.31 *	11,120	64.64	9.06 *	6.93 *		
Third quartile	12,390	55.74	56.58	-0.85	2,340	43.63	48.01	-1.90	10,010	58.16	6.99 *	7.52 *		
Fourth quartile (high)	12,270	44.99	45.34	-0.31	6,320	35.50	40.80	-4.08 *	5,860	50.03	11.07 *	8.62 *		

See notes at end of table.

Table 4.2.3. Screener response rate, by likely-Spanish-speaking classification, targeted materials condition, and selected household characteristics: 2019–Continued

Selected household characteristics ²	All cases				Likely-Spanish-speaking households ¹				Not-likely-Spanish-speaking households ¹			
	Number of eligible households included in response rate calculation	Screener response rate (percentage)		<i>t</i> statistic	Number of eligible households included in response rate calculation	Screener response rate (percentage)		<i>t</i> statistic	Number of eligible households included in response rate calculation	Screener response rate (percentage)	<i>t</i> statistic	
		Targeted	Baseline			Targeted	Baseline				Not likely-Spanish vs. Likely-Spanish Targeted	Not likely-Spanish vs. Likely-Spanish Baseline
Percent of persons in block group who are Black ⁵												
First quartile (low)	12,800	65.30	63.32	2.19 *	2,510	41.75	45.45	-1.51	10,290	67.09	11.50 *	19.62 *
Second quartile	12,650	61.93	64.38	-2.49 *	2,880	43.00	51.11	-3.91 *	9,770	66.75	12.90 *	13.23 *
Third quartile	12,590	55.59	57.67	-2.02 *	3,530	39.66	45.31	-2.77 *	9,050	60.83	11.78 *	14.32 *
Fourth quartile (high)	12,120	47.75	47.21	0.47	2,180	34.23	40.27	-2.35 *	9,810	49.21	7.12 *	5.20 *
Percent of persons in block speaking a non-English language ⁵												
First quartile (low)	12,370	63.07	62.45	0.61	270	46.48	50.72	-0.64	12,100	62.90	3.07 *	3.32 *
Second quartile	12,680	62.35	64.00	-1.81	680	41.64	56.21	-3.71 *	12,000	64.15	6.61 *	3.31 *
Third quartile	12,560	59.70	58.75	1.11	2,060	42.16	49.21	-2.60 *	10,470	60.97	7.73 *	9.47 *
Fourth quartile (high)	12,560	45.72	48.35	-2.46 *	8,090	38.75	43.36	-4.21 *	4,350	54.85	11.81 *	10.34 *

† Not applicable.

‡ Reporting standards not met. Either there are too few cases for a reliable estimate or the coefficient of variation (CV) is 50 percent or greater.

**p* < .05.

¹Likely-Spanish-speaking households were identified based on information available on the frame: (1) the household is flagged as having a Hispanic surname, (2) the household is in a tract with 40% or more Hispanic persons, or (3) the household is in a tract where 10% or more households have Spanish as their primary language and “limited English-speaking” status.

²Unless indicated otherwise, the selected characteristics are based on available frame variables.

³Extent of missing frame information was determined based on the number of variables for which the address was missing information on the frame. This analysis is limited to variables for which there is an explicit missing category (as opposed to variables for which a lack of data implies either a lack of the tract in question or that the information is missing). “High missing” cases are cases missing information for 4 or more frame variables, “medium missing” cases are cases missing information for 1 to 3 frame variables, and “low missing” cases are those that were not missing information for any of the frame variables.

⁴The Census Low Response Score is a derived variable that identifies block groups with characteristics associated with low mail return rates to the 2010 Decennial Census. A higher low response score corresponds to a lower expected mail return rate. This variable was not available for a very small number of cases, and these cases have been excluded from this analysis. Cases that are in the first quartile are those that were expected to be the most likely to participate and those that are in the fourth quartile are those that were expected to be the least likely to participate.

⁵Percentages are based on block-level American Community Survey data (2013-2017). Cases in the first quartile were those with the lowest prevalence of the characteristic in question and those that are in the fourth quartile are those with the highest prevalence.

NOTE: Response rates were calculated using American Association for Public Opinion Research (AAPOR) Response Rate 1 (RR1). Percentages represent the proportion of sampled households (excluding undeliverable and out-of-scope addresses) that were respondents to the questionnaire. Unweighted sample size was 13,480 for the targeted condition and 36,700 for the baseline condition. Unweighted

sample size was 2,890 for likely-Spanish-speaking cases in the targeted condition and 8,210 for likely-Spanish-speaking cases in the baseline condition. Unweighted sample size was 38,940 for not-likely-Spanish-speaking cases in the baseline and targeted conditions. Sample sizes have been rounded to the nearest 10. Detail may not sum to totals because of rounding.
 SOURCE: U.S. Department of Education, National Center for Education Statistics, National Household Education Surveys Program (NHES), 2019. U.S. Census Bureau, American Community Survey (ACS), 2013-2017.

Table 4.2.4. Percentage of all screener respondents who reported at least one child eligible for the topical surveys, by likely-Spanish-speaking classification, targeted materials condition, targeted mailing condition and questionnaire: 2019

Questionnaire	All cases			Likely-Spanish-speaking households ¹			Not-likely-Spanish-speaking households ¹		
	Percentage reporting at least one eligible child		<i>t</i> statistic	Percentage reporting at least one eligible child		<i>t</i> statistic	Percentage reporting at least one eligible child	<i>t</i> statistic	
	Targeted	Baseline		Targeted	Baseline			Not likely-Spanish vs. Likely-Spanish Targeted	Not likely-Spanish vs. Likely-Spanish Baseline
Overall	24.12	25.40	-2.42 *	33.29	34.16	-0.65	23.71	-7.53 *	-12.78 *
ECPP	8.42	9.15	-2.11 *	11.47	13.03	-1.52	8.39	-3.31 *	-8.69 *
PFI	19.93	20.91	-1.96	28.37	28.66	-0.23	19.45	-7.57 *	-11.13 *

**p* < .05.

¹Likely-Spanish-speaking households were identified based on information available on the frame: (1) the household is flagged as having a Hispanic surname, (2) the household is in a tract with 40% or more Hispanic persons, or (3) the household is in a tract where 10% or more households have Spanish as their primary language and “limited English-speaking” status.

NOTE: Percentages represent the proportion of screener respondent households that reported at least one child on the screener who was eligible for a topical survey. Screener respondent households may have been eligible for more than one topical; as a result, the topical-specific results do not sum to the overall result. Unweighted sample size was 7,620 for the targeted condition and 20,980 for the baseline condition. Unweighted sample size was 1,140 for likely-Spanish-speaking cases in the targeted condition and 3,710 for likely-Spanish-speaking cases in the baseline condition. Unweighted sample size was 23,690 for not-likely-Spanish-speaking cases in the baseline and targeted conditions. Sample sizes have been rounded to the nearest 10.

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Household Education Surveys Program (NHES), 2019.

Table 4.2.5. Topical response rate, by likely-Spanish-speaking classification, targeted materials condition, questionnaire, and response mode: 2019

Questionnaire and response mode	All cases			Likely-Spanish-speaking households ¹			Not-likely-Spanish-speaking households ¹		
	Topical response rate (percentage)		<i>t</i> statistic	Topical response rate (percentage)		<i>t</i> statistic	Topical response rate (percentage)	<i>t</i> statistic	
	Targeted	Baseline		Targeted	Baseline			Not likely-Spanish vs. Likely-Spanish Targeted	Not likely-Spanish vs. Likely-Spanish Baseline
ECPP									
Overall	83.68	84.03	-0.16	78.74	82.73	-0.78	84.41	1.22	0.61
Web	93.33	92.92	0.22	93.50	90.94	0.52	93.36	-0.03	1.11
Paper	66.78	67.25	-0.10	62.26	70.06	-0.86	66.77	0.53	-0.64
Inbound telephone	‡	‡	†	‡	‡	†	‡	†	†
PFI									
Overall	83.46	81.62	1.20	73.37	77.48	-0.91	83.67	2.59 *	2.78 *
Web	93.92	92.53	0.99	86.22	88.57	-0.44	94.00	1.66	1.97 *
Paper	63.05	62.64	0.11	58.56	62.51	-0.51	63.33	0.73	0.24
Inbound telephone	‡	90.19	†	‡	‡	†	93.82	†	†

† Not applicable

‡ Reporting standards not met. Either there are too few cases for a reliable estimate or the coefficient of variation (CV) is 50 percent or greater.

**p* < 0.05.

¹ Likely-Spanish-speaking households were identified based on information available on the frame: (1) the household is flagged as having a Hispanic surname, (2) the household is in a tract with 40% or more Hispanic persons, or (3) the household is in a tract where 10% or more households have Spanish as their primary language and “limited English-speaking” status.

NOTE: ECPP is Early Childhood Program Participation topical survey. PFI is Parent and Family Involvement topical survey. Response rates were calculated using American Association for Public Opinion Research (AAPOR) Response Rate 1 (RRI). Percentages represent the proportion of eligible households that were respondents to the questionnaire. Unweighted sample size for the ECPP response rate was 550 for the targeted condition, 1,620 for the baseline condition, 100 for likely-Spanish-speaking cases in the targeted condition, 380 for likely-Spanish-speaking cases in the baseline condition, and 1,680 for not-likely-Spanish-speaking cases in the baseline and targeted conditions. Unweighted sample size for the PFI response rate was 1,310 for the targeted condition, 3,740 for the baseline condition, 280 for likely-Spanish-speaking cases in the targeted condition, 840 for likely-Spanish-speaking cases in the baseline condition, and 3,920 for not-likely-Spanish-speaking cases in the baseline and targeted conditions. Sample sizes have been rounded to the nearest 10. Detail may not sum to totals due to rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Household Education Surveys Program (NHES), 2019.

Table 4.2.6. Overall response rate, by likely-Spanish-speaking classification, targeted materials condition, questionnaire, and response mode: 2019

Questionnaire and response mode	All cases			Likely-Spanish-speaking households ¹			Not-likely-Spanish-speaking households ¹		
	Overall response rate (percentage)		<i>t</i> statistic	Overall response rate (percentage)		<i>t</i> statistic	Overall response rate (percentage)	<i>t</i> statistic	
	Targeted	Baseline		Targeted	Baseline			Not likely-Spanish vs. Likely-Spanish Targeted	Not likely-Spanish vs. Likely-Spanish Baseline
ECPP									
Overall	48.82	49.49	-0.49	31.49	37.93	-2.93 *	52.21	10.17 *	10.33 *
Web	32.15	32.42	-0.32	19.94	22.23	-1.74	34.70	12.12 *	16.07 *
Paper	13.11	13.25	-0.14	10.16	12.97	-1.73	13.39	2.10 *	0.43
Inbound telephone	3.96	4.19	-0.52	‡	2.91	†	4.39	†	5.20 *
PFI									
Overall	48.69	48.08	0.62	29.34	35.53	-3.16 *	51.75	12.57 *	14.20 *
Web	32.35	32.28	0.11	18.39	21.65	-2.48 *	34.94	14.76 *	16.43 *
Paper	12.37	12.34	0.04	9.56	11.57	-1.54	12.70	2.57 *	1.50
Inbound telephone	4.15	3.89	0.71	‡	2.45	†	4.34	†	3.48 *

† Not applicable

‡ Reporting standards not met. Either there are too few cases for a reliable estimate or the coefficient of variation (CV) is 50 percent or greater.

**p* < 0.05.

¹Likely-Spanish-speaking households were identified based on information available on the frame: (1) the household is flagged as having a Hispanic surname, (2) the household is in a tract with 40% or more Hispanic persons, or (3) the household is in a tract where 10% or more households have Spanish as their primary language and “limited English-speaking” status.

NOTE: ECPP is Early Childhood Program Participation topical survey. PFI is Parent and Family Involvement topical survey. The overall response rate is the product of the screener response rate and the topical response rate. Screener and topical response rates were calculated using American Association for Public Opinion Research (AAPOR) Response Rate 1 (RR1). Unweighted sample size for the ECPP response rate was 13,480 for the targeted condition, 36,700 for the baseline condition, 2,890 for likely-Spanish-speaking cases in the targeted condition, 8,210 for likely-Spanish-speaking cases in the baseline condition, and 38,940 for not-likely-Spanish-speaking cases in the baseline and targeted conditions. Unweighted sample size for the PFI response rate was 13,480 for the targeted condition, 36,700 for the baseline condition, 2,890 for likely-Spanish-speaking cases in the targeted condition, 8,210 for likely-Spanish-speaking cases in the baseline condition, and 38,940 for not-likely-Spanish-speaking cases in the baseline and targeted conditions. Sample sizes have been rounded to the nearest 10. Detail may not sum to totals due to rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Household Education Surveys Program (NHES), 2019.

Table 4.2.7. ECPP overall response rate, by likely-Spanish-speaking classification, targeted materials condition, and selected household characteristics: 2019

Selected household characteristics ²	All cases				Likely-Spanish-speaking households ¹				Not-likely-Spanish-speaking households ¹					
	Number of eligible screener households included in response rate calculation	ECPP overall response rate (percentage)		<i>t</i> statistic	Number of eligible households included in response rate calculation	ECPP overall response rate (percentage)		<i>t</i> statistic	Number of eligible households included in response rate calculation	ECPP overall response rate (percent-age)	<i>t</i> statistic			
		Targeted	Baseline			Not likely-Spanish vs. Likely-Spanish Targeted	Likely-Spanish Baseline				Not likely-Spanish vs. Likely-Spanish Targeted	Likely-Spanish Baseline		
													Not likely-Spanish vs. Likely-Spanish Targeted	Likely-Spanish Baseline
Gender of head of household														
Male	16,920	52.00	51.94	0.03	3,570	32.55	37.97	-1.29	13,320	55.30	5.91	*	6.76	*
Female	14,850	52.41	51.26	0.46	3,210	34.41	39.86	-1.23	11,590	54.59	4.96	*	6.20	*
Missing	18,410	43.39	45.74	-1.05	4,320	28.54	36.30	-2.15	14,030	47.52	5.32	*	5.93	*
Age of head of household														
18-34	4,360	44.89	44.26	0.22	1,130	27.80	35.68	-1.15	3,220	47.31	3.12	*	3.29	*
35-44	6,100	44.05	46.41	-0.92	1,430	37.90	37.99	-0.03	4,650	47.77	3.03	*	4.28	*
45-54	7,230	48.37	46.47	0.50	1,560	29.28	33.05	-0.50	5,650	51.70	3.28	*	4.39	*
55-65	8,720	62.12	53.48	1.55	1,740	49.84	39.83	2.17	6,950	58.61	2.04	*	3.58	*
Over 65	9,770	47.89	64.78	-1.89	1,480	49.22	61.77	-1.31	8,260	57.59	0.83		-0.79	
Missing	14,010	35.92	36.84	-0.46	3,750	22.40	29.21	-2.53	10,210	38.92	6.27	*	5.08	*
Marital status of head of household														
Single	16,400	44.66	44.35	0.12	4,130	31.77	35.50	-1.02	12,220	47.01	4.25	*	5.07	*
Married	25,620	54.86	56.66	-0.95	5,160	33.77	42.68	-2.59	20,410	59.48	8.38	*	8.04	*
Missing	8,160	35.85	36.29	-0.12	1,810	24.58	29.46	-0.74	6,300	37.44	1.97	*	2.45	*
Race/ethnicity of head of household														
White	24,210	55.80	56.94	-0.51	2,250	42.95	47.89	-1.15	21,940	57.36	4.27	*	3.14	*
Black	5,590	45.54	36.65	2.85	530	28.22	35.95	-0.64	5,000	40.02	1.14		0.60	
Hispanic	5,920	32.71	38.13	-1.75	5,410	30.00	36.45	-2.05	510	55.10	5.15	*	4.34	*
Asian/Pacific Islander or Other	1,990	47.70	52.14	-0.62	380	43.69	47.52	-0.51	1,610	52.15	1.32		0.80	
Missing	12,470	42.23	42.85	-0.22	2,540	26.77	31.48	-0.90	9,890	44.81	3.53	*	4.87	*

See notes at end of table.

Table 4.2.7. ECPP overall response rate, by likely-Spanish-speaking classification, targeted materials condition, and selected household characteristics: 2019—Continued

Selected household characteristics ²	All cases				Likely-Spanish-speaking households ¹¹				Not-likely-Spanish-speaking households ¹						
	Number of eligible screener households included in response rate calculation	ECPP overall response rate (percentage)		<i>t</i> statistic	Number of eligible screener households included in response rate calculation	ECPP overall response rate (percentage)		<i>t</i> statistic	Number of eligible screener households included in response rate calculation	ECPP overall response rate (percent-age)	<i>t</i> statistic				
													Not likely-Spanish vs. Likely-Spanish Targeted	Not likely-Spanish vs. Likely-Spanish Baseline	
Highest education level of head of household															
Less than high school diploma	5,320	34.91	38.47	-0.89	2,600	22.50	27.97	-1.13	2,710	47.39	5.04	*	5.89	*	
High school diploma	11,040	51.14	48.44	0.74	2,450	36.63	41.68	-1.03	8,570	50.94	2.93	*	2.82	*	
Some college	10,710	48.29	49.76	-0.53	2,140	32.92	41.28	-1.50	8,530	51.52	3.72	*	3.34	*	
Bachelor's degree	7,200	62.04	58.45	1.31	1,030	55.20	51.33	0.84	6,150	60.19	1.26		2.57	*	
Graduate degree	4,530	60.09	62.48	-0.49	540	34.77!	56.31	-1.37	3,980	62.81	1.85		1.26		
Missing	11,380	40.58	42.86	-0.76	2,340	27.69	33.08	-1.28	9,000	43.91	3.88	*	4.17	*	
Household income															
Less than \$25,000	8,050	37.90	39.83	-0.48	2,270	27.72	29.76	-0.40	5,760	42.75	3.11	*	4.06	*	
\$25,000-\$49,999	10,710	47.94	47.40	0.15	2,640	27.26	36.17	-1.74	8,040	51.40	4.90	*	4.77	*	
\$50,000-\$74,999	7,380	58.59	54.52	1.39	1,670	39.33	45.06	-1.45	5,690	57.53	4.76	*	4.29	*	
\$75,000-\$99,999	5,940	56.95	58.40	-0.39	1,290	42.82	46.65	-0.70	4,640	60.55	3.54	*	3.44	*	
\$100,000-\$149,999	6,190	52.03	54.95	-0.84	1,190	32.15	43.29	-1.64	4,980	56.98	3.93	*	4.40	*	
\$150,000 or more	4,790	58.01	58.50	-0.12	650	38.75!	51.64	-0.87	4,130	59.62	1.47		1.56		
Missing	7,120	35.70	38.58	-0.81	1,390	25.53	26.37	-0.16	5,700	39.66	3.50	*	3.13	*	
Home tenure															
Own	32,430	56.86	57.72	-0.51	6,050	38.53	45.87	-2.25	*	26,320	59.92	7.48	*	7.05	*
Rent	10,280	37.50	35.05	1.09	3,260	23.83	29.73	-1.59		6,970	38.64	4.04	*	3.56	*
Missing	7,470	28.70	33.38	-1.24	1,790	22.97	26.34	-0.60		5,650	33.16	1.86		2.10	*

See notes at end of table.

Table 4.2.7. ECPP overall response rate, by likely-Spanish-speaking classification, targeted materials condition, and selected household characteristics: 2019—Continued

Selected household characteristics ²	All cases				Likely-Spanish-speaking households ¹				Not-likely-Spanish-speaking households ¹					
	Number of eligible screener households included in response rate calculation	ECPP overall response rate (percentage)		<i>t</i> statistic	Number of eligible screener households included in response rate calculation	ECPP overall response rate (percentage)		<i>t</i> statistic	Number of eligible screener households included in response rate calculation	ECPP overall response rate (percent-age)	<i>t</i> statistic			
		Targeted	Baseline			Not likely-Spanish vs. Likely-Spanish Targeted	Not likely-Spanish vs. Likely-Spanish Baseline							
Number of adults in household														
1	23,950	45.35	43.90	0.76	6,140	30.58	35.81	-1.86	17,740	46.85	6.00	*	6.34	*
2	14,060	55.41	61.08	-2.13	2,480	32.46	46.12	-2.66	11,550	62.47	6.72	*	5.11	*
3	3,810	69.03	59.84	2.76	780	53.32	43.95	1.29	3,020	64.18	2.35	*	2.93	*
4 or more	1,300	67.52	55.41	1.56	320	‡	37.36†	†	980	68.17	†		1.88	
Missing	7,070	35.57	38.42	-0.80	1,380	25.18	26.21	-0.20	5,660	39.49	3.58	*	3.10	*
Household flagged as having children														
Yes	9,810	47.65	49.69	-0.63	2,140	31.35	35.65	-0.89	7,640	52.86	5.09	*	5.13	*
No	40,380	49.10	49.49	-0.25	8,960	31.54	38.73	-2.86	31,300	52.02	8.46	*	9.16	*
Ability to match address to phone number														
Phone number available	33,690	53.74	53.87	-0.07	6,970	38.32	40.51	-0.77	26,630	56.87	7.42	*	8.34	*
No phone number available	16,490	39.60	41.10	-0.73	4,130	23.40	32.97	-2.82	12,310	43.26	6.03	*	6.14	*
Route type														
Street	38,690	52.51	52.46	0.03	7,720	33.39	40.65	-2.70	30,890	55.16	9.02	*	8.48	*
P.O. box	340	‡	49.91	†	70	‡	35.71	†	270	51.02	†		1.26	
Rural route	10	‡	‡	†	0	‡	‡	†	10	‡	†		†	
High rise	11,140	33.89	38.63	-1.30	3,320	26.60	31.39	-1.12	7,770	39.53	3.18	*	2.75	*
Dwelling type														
Single unit	37,580	53.20	53.10	0.07	7,370	33.78	41.35	-2.76	30,130	55.77	8.95	*	8.26	*
Multi-unit	12,270	33.21	37.80	-1.41	3,660	26.58	30.78	-1.08	8,540	38.71	3.30	*	2.84	*
Missing	340	‡	49.91	†	70	‡	35.71	†	270	51.02	†		1.26	

See notes at end of table.

Table 4.2.7. ECPP overall response rate, by likely-Spanish-speaking classification, targeted materials condition, and selected household characteristics: 2019—Continued

Selected household characteristics ²	All cases				Likely-Spanish-speaking households ¹				Not-likely-Spanish-speaking households ¹			
	Number of eligible screener households included in response rate calculation	ECPP overall response rate (percentage)		<i>t</i> statistic	Number of eligible screener households included in response rate calculation	ECPP overall response rate (percentage)		<i>t</i> statistic	Number of eligible screener households included in response rate calculation	ECPP overall response rate (percentage)	<i>t</i> statistic	
											Not likely-Spanish vs. Likely-Spanish Targeted	Not likely-Spanish vs. Likely-Spanish Baseline
Vacancy status												
Flagged as vacant	580	32.24	45.33	-0.96	140	‡	‡	†	430	42.36	†	†
Not flagged as vacant	49,610	48.98	49.56	-0.41	10,960	31.42	37.92	-2.92 *	38,510	52.33	10.12 *	10.32 *
Seasonal address type												
Seasonal or educational seasonal delivery	310	#	75.49	-28.44 *	30	‡	‡	†	280	‡	†	†
No seasonal delivery	49,870	48.71	49.39	-0.49	11,070	31.41	37.87	-2.94 *	38,660	52.12	10.17 *	10.32 *
Drop point address type												
Drop point	770	40.91	41.03	-0.01	280	‡	34.08	†	490	43.90	†	1.68
Not a drop point	49,410	48.94	49.62	-0.48	10,820	31.67	38.04	-2.85 *	38,450	52.32	10.02 *	10.13 *
Census region												
Northeast	8,640	51.99	52.42	-0.14	1,630	32.91	36.37	-0.70	6,980	55.54	6.14 *	5.10 *
South	20,170	43.62	45.54	-0.88	4,290	25.14	35.07	-2.30 *	15,810	47.91	5.83 *	5.15 *
Midwest	10,310	55.30	52.42	0.86	800	36.09	33.52	0.35	9,500	54.77	3.25 *	4.13 *
West	11,060	49.07	51.01	-0.65	4,380	35.89	42.41	-1.93	6,650	54.64	5.22 *	5.38 *
Race/ethnicity stratum												
25% or more Black 40% or more	9,570	38.90	36.57	0.86	1,320	18.53	30.53	-2.03 *	8,110	39.03	3.94 *	2.56 *
Hispanic	7,480	33.14	37.32	-1.59	7,480	33.14	37.32	-1.59	†	†	†	†
Other	33,130	52.74	53.70	-0.54	2,310	35.07	41.99	-1.49	30,830	54.52	4.73 *	5.05 *

See notes at end of table.

Table 4.2.7. ECPP overall response rate, by likely-Spanish-speaking classification, targeted materials condition, and selected household characteristics: 2019—Continued

Selected household characteristics ²	All cases				Likely-Spanish-speaking households ¹				Not-likely-Spanish-speaking households ¹			
	Number of eligible screener households included in response rate calculation	ECPP overall response rate (percentage)		<i>t</i> statistic	Number of eligible screener households included in response rate calculation	ECPP overall response rate (percentage)		<i>t</i> statistic	Number of eligible screener households included in response rate calculation	ECPP overall response rate (percent-age)	<i>t</i> statistic	
											Not likely-Spanish vs. Likely-Spanish Targeted	Not likely-Spanish vs. Likely-Spanish Baseline
Tract poverty rate												
20 percent or higher	14,430	38.37	35.12	1.27	5,440	27.69	32.57	-1.42	8,900	38.00	3.01	* 2.11
Below 20 percent	35,750	52.17	54.45	-1.36	5,660	34.63	42.45	-2.76 *	30,040	55.94	8.35	* 7.88 *
Extent of missing frame information ³												
High	9,480	36.64	40.01	-1.07	2,000	22.73	30.05	-1.33	7,440	40.91	3.28	* 4.05 *
Medium	16,700	45.81	45.92	-0.05	4,340	29.19	36.45	-2.47 *	12,320	48.97	7.18	* 6.22 *
Low	24,010	56.16	56.11	0.03	4,770	36.90	42.14	-1.15	19,180	59.36	5.51	* 7.14 *
Census Low Response Score ⁴												
First quartile (low)	13,200	62.01	61.45	0.22	930	48.34	52.33	-0.54	12,270	62.26	2.12	* 2.43 *
Second quartile	12,650	51.33	54.27	-1.01	1,480	33.07	47.46	-1.97 *	11,160	54.44	3.11	* 2.30 *
Third quartile	12,350	43.02	44.25	-0.42	3,160	28.21	39.64	-2.61 *	9,170	45.91	4.19	* 2.42 *
Fourth quartile (high)	11,720	33.34	32.59	0.32	5,450	29.45	30.77	-0.44	6,160	34.29	1.63	1.53
Percent of persons in block group without a high school diploma ⁵												
First quartile (low)	12,930	55.96	58.89	-1.17	990	33.82	50.58	-1.75	11,940	59.00	2.79	* 2.35 *
Second quartile	12,570	54.01	54.59	-0.22	1,440	32.70	41.12	-1.05	11,120	56.33	3.29	* 3.82 *
Third quartile	12,390	45.54	46.27	-0.23	2,340	35.61	39.72	-0.84	10,010	47.43	2.55	* 2.49 *
Fourth quartile (high)	12,270	36.99	35.23	0.70	6,320	28.58	33.58	-1.81	5,860	38.12	3.30	* 1.90

See notes at end of table.

Table 4.2.7. ECPP overall response rate, by likely-Spanish-speaking classification, targeted materials condition, and selected household characteristics: 2019–Continued

Selected household characteristics ²	All cases				Likely-Spanish-speaking households ¹				Not-likely-Spanish-speaking households ¹							
	Number of eligible screener households included in response rate calculation	ECPP overall response rate (percentage)		<i>t</i> statistic	Number of eligible screener households included in response rate calculation	ECPP overall response rate (percentage)		<i>t</i> statistic	Number of eligible screener households included in response rate calculation	ECPP overall response rate (percent-age)	<i>t</i> statistic					
		Targeted	Baseline			Not likely-Spanish vs. Likely-Spanish Targeted	Not likely-Spanish vs. Likely-Spanish Baseline									
Percent of persons in block group who are Black ⁵																
First quartile (low)	12,800	57.30	54.29	1.15	2,510	39.39	40.44	-0.31	10,290	57.45	5.90	*	6.83	*		
Second quartile	12,650	52.35	54.76	-0.91	2,880	30.43	41.49	-2.22	*	9,770	57.78	5.96	*	5.74	*	
Third quartile	12,590	43.39	49.06	-1.78	3,530	32.76	37.19	-1.21		9,050	50.97	5.10	*	5.56	*	
Fourth quartile (high)	12,120	39.82	36.93	1.13	2,180	25.26	31.97	-1.36		9,810	39.29	3.14	*	2.35	*	
Percent of persons in block speaking a non-English language ⁵																
First quartile (low)	12,370	53.36	51.42	0.61	270	32.19!	39.98	-0.57		12,100	52.38	1.66		1.89		
Second quartile	12,680	51.29	57.61	-2.28	*	680	30.09	53.15	-2.75	*	12,000	56.44	3.34	*	0.99	
Third quartile	12,560	50.03	48.53	0.52		2,060	31.57	39.43	-1.33		10,470	50.95	3.67	*	3.55	*
Fourth quartile (high)	12,560	38.39	39.05	-0.29		8,090	31.66	35.59	-1.49		4,350	44.03	4.17	*	3.56	*

† Not applicable.

Rounds to zero.

! Interpret with caution. The coefficient of variation (CV) is between 30 and 50 percent.

‡ Reporting standards not met. Either there are too few cases for a reliable estimate or the coefficient of variation (CV) is 50 percent or greater.

**p* < .05.

¹ Likely-Spanish-speaking households were identified based on information available on the frame: (1) the household is flagged as having a Hispanic surname, (2) the household is in a tract with 40% or more Hispanic persons, or (3) the household is in a tract where 10% or more households have Spanish as their primary language and “limited English-speaking” status.

² Unless indicated otherwise, the selected characteristics are based on available frame variables.

³ Extent of missing frame information was determined based on the number of variables for which the address was missing information on the frame. This analysis is limited to variables for which there is an explicit missing category (as opposed to variables for which a lack of data implies either a lack of the tract in question or that the information is missing). “High missing” cases are cases missing information for 4 or more frame variables, “medium missing” cases are cases missing information for 1 to 3 frame variables, and “low missing” cases are those that were not missing information for any of the frame variables.

⁴ The Census Low Response Score is a derived variable that identifies block groups with characteristics associated with low mail return rates to the 2010 Decennial Census. A higher low response score corresponds to a lower expected mail return rate. This variable was not available for a very small number of cases, and these cases have been excluded from this analysis. Cases that are in the first quartile are those that were expected to be the most likely to participate and those that are in the fourth quartile are those that were expected to be the least likely to participate.

⁵ Percentages are based on block-level American Community Survey data (2013-2017). Cases in the first quartile were those with the lowest prevalence of the characteristic in question and those that are in the fourth quartile are those with the highest prevalence.

NOTE: ECPP is Early Childhood Program Participation topical survey. The overall response rate is the product of the screener response rate and the topical response rate. Screener and topical response rates were calculated using American Association for Public Opinion Research (AAPOR) Response Rate 1 (RR1). Unweighted sample size was 13,480 for the targeted condition, 36,700 for the baseline condition, 2,890 for likely-Spanish-speaking cases in the targeted condition, 8,210 for likely-Spanish-speaking cases in the baseline condition, and 38,940 for not-likely-Spanish-speaking cases in the baseline and targeted conditions. Sample sizes have been rounded to the nearest 10. Detail may not sum to totals due to rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Household Education Surveys Program (NHES), 2019. U.S. Census Bureau, American Community Survey (ACS), 2013-2017.

Table 4.2.8. PFI overall response rate, by likely-Spanish-speaking classification, targeted materials condition, and selected household characteristics: 2019

Selected household characteristics ²	All cases				Likely-Spanish-speaking households ¹				Not-likely-Spanish-speaking households ¹					
	Number of eligible screener households included in response rate calculation	PFI overall response rate (percentage)		<i>t</i> statistic	Number of eligible screener households included in response rate calculation	PFI overall response rate (percentage)		<i>t</i> statistic	Number of eligible screener households included in response rate calculation	PFI overall response rate (percent-age)	<i>t</i> statistic			
		Targeted	Baseline			Not likely-Spanish vs. Likely-Spanish Targeted	Not likely-Spanish vs. Likely-Spanish Baseline							
Gender of head of household														
Male	16,920	51.79	51.89	-0.07	3,570	29.34	36.46	-1.91	13,320	55.86	7.90	*	10.01	*
Female	14,850	50.95	50.58	0.18	3,210	32.91	39.49	-1.73	11,590	53.78	5.93	*	7.46	*
Missing	18,410	44.12	42.27	1.07	4,320	26.84	31.54	-1.78	14,030	46.04	8.31	*	7.06	*
Age of head of household														
18-34	4,360	38.61	39.87	-0.38	1,130	28.12	36.53	-1.49	3,220	40.93	2.35	*	1.33	
35-44	6,100	44.58	43.04	0.88	1,430	31.38	33.90	-0.62	4,650	46.00	3.86	*	6.11	*
45-54	7,230	50.73	50.25	0.22	1,560	33.91	41.30	-1.43	5,650	52.73	3.78	*	4.99	*
55-65	8,720	58.90	57.18	0.59	1,740	33.75	46.56	-2.52	6,950	61.06	5.71	*	4.64	*
Over 65	9,770	58.89	64.80	-1.18	1,480	34.27	44.01	-0.83	8,260	68.51	3.24	*	4.40	*
Missing	14,010	34.05	34.63	-0.28	3,750	20.08	22.61	-0.84	10,210	38.75	6.87	*	8.26	*
Marital status of head of household														
Single	16,400	44.80	41.84	1.38	4,130	29.15	34.57	-1.68	12,220	45.25	5.08	*	5.41	*
Married	25,620	54.31	55.34	-0.91	5,160	32.01	41.05	-3.35	20,410	58.61	11.11	*	11.27	*
Missing	8,160	36.36	34.71	0.51	1,810	21.78	21.02	0.13	6,300	38.97	3.74	*	4.50	*
Race/ethnicity of head of household														
White	24,210	57.93	55.70	1.59	2,250	44.77	42.85	0.53	21,940	57.15	4.83	*	5.25	*
Black	5,590	40.04	34.76	1.61	530	28.43	34.90	-0.88	5,000	36.46	1.31		0.34	
Hispanic	5,920	31.06	37.76	-2.83	5,410	28.19	36.44	-3.37	510	52.47	4.67	*	3.30	*
Asian/Pacific Islander or Other	1,990	54.23	52.35	0.54	380	43.69	40.91	0.31	1,610	54.75	1.90		1.90	
Missing	12,470	41.06	40.44	0.26	2,540	22.14	24.11	-0.42	9,890	44.53	5.40	*	7.46	*

See notes at end of table.

Table 4.2.8. PFI overall response rate, by likely-Spanish-speaking classification, targeted materials condition, and selected household characteristics: 2019–Continued

Selected household characteristics ²	All cases				Likely-Spanish-speaking households ¹				Not-likely-Spanish-speaking households ¹					
	Number of eligible screener households included in response rate calculation	PFI overall response rate (percentage)		<i>t</i> statistic	Number of eligible screener households included in response rate calculation	PFI overall response rate (percentage)		<i>t</i> statistic	Number of eligible screener households included in response rate calculation	PFI overall response rate (percent-age)	<i>t</i> statistic			
												Not likely-Spanish vs. Likely-Spanish Targeted	Not likely-Spanish vs. Likely-Spanish Baseline	
Targeted	Baseline		Targeted	Baseline	<i>t</i> statistic									
Highest education level of head of household														
Less than high school diploma	5,320	33.17	36.29	-1.05	2,600	21.19	27.66	-1.94	2,710	44.09	6.14	*	5.33	*
High school diploma	11,040	48.50	50.75	-0.86	2,450	27.42	42.15	-3.26	8,570	53.12	5.84	*	5.03	*
Some college	10,710	51.09	47.49	1.97	2,140	36.76	39.91	-0.90	8,530	50.34	4.53	*	4.30	*
Bachelor's degree	7,200	60.23	57.31	1.40	1,030	55.20	49.30	1.33	6,150	58.89	0.99		3.31	*
Graduate degree	4,530	60.41	62.50	-0.70	540	36.80	45.36	-0.91	3,980	64.05	3.39	*	3.61	*
Missing	11,380	41.00	39.06	0.78	2,340	21.49	25.59	-0.89	9,000	42.92	5.45	*	5.72	*
Household income														
Less than \$25,000	8,050	36.90	41.09	-1.40	2,270	20.36	30.79	-2.53	5,760	44.61	6.30	*	5.10	*
\$25,000-\$49,999	10,710	44.54	46.74	-0.83	2,640	25.97	35.05	-2.39	8,040	50.49	7.00	*	5.93	*
\$50,000-\$74,999	7,380	55.97	51.00	1.95	1,670	35.00	40.63	-1.15	5,690	55.26	4.37	*	5.98	*
\$75,000-\$99,999	5,940	56.38	55.87	0.18	1,290	38.05	43.86	-1.19	4,640	58.94	4.51	*	4.68	*
\$100,000-\$149,999	6,190	52.27	53.11	-0.33	1,190	34.92	39.39	-0.85	4,980	55.76	4.64	*	5.18	*
\$150,000 or more	4,790	62.83	59.13	1.66	650	51.26	47.35	0.62	4,130	61.46	2.37	*	2.92	*
Missing	7,120	38.47	33.33	1.85	1,390	25.32	18.82	1.37	5,700	37.53	3.49	*	4.76	*
Home tenure														
Own	32,430	55.48	55.84	-0.32	6,050	34.67	43.18	-3.09	26,320	58.65	9.68	*	10.37	*
Rent	10,280	35.91	34.11	0.78	3,260	23.74	29.20	-1.66	6,970	37.49	4.30	*	3.93	*
Missing	7,470	34.66	31.79	0.92	1,790	22.09	20.38	0.41	5,650	35.86	3.78	*	5.19	*

See notes at end of table.

Table 4.2.8. PFI overall response rate, by likely-Spanish-speaking classification, targeted materials condition, and selected household characteristics: 2019–Continued

Selected household characteristics ²	All cases				Likely-Spanish-speaking households ¹				Not-likely-Spanish-speaking households ¹				
	Number of eligible screener households included in response rate calculation	PFI overall response rate (percentage)		<i>t</i> statistic	Number of eligible screener households included in response rate calculation	PFI overall response rate (percentage)		<i>t</i> statistic	Number of eligible screener households included in response rate calculation	PFI overall response rate (percent-age)	<i>t</i> statistic		
		Targeted	Baseline			Not likely-Spanish vs. Likely-Spanish Targeted	Not likely-Spanish vs. Likely-Spanish Baseline				Not likely-Spanish vs. Likely-Spanish <i>t</i>		
Number of adults in household													
1	23,950	42.31	41.92	0.26	6,140	26.26	32.96	-2.77 *	17,740	45.46	8.53 *	7.64 *	
2	14,060	59.19	60.33	-0.67	2,480	36.58	44.75	-1.86	11,550	63.01	6.79 *	7.75 *	
3	3,810	59.58	61.48	-0.47	780	42.67	51.08	-0.78	3,020	63.23	1.94	3.87 *	
4 or more	1,300	61.29	57.72	0.68	320	31.54	50.51	-2.13 *	980	61.76	3.68 *	1.80	
Missing	7,070	38.34	33.35	1.77	1,380	24.97	17.53	1.56	5,660	37.75	3.69 *	5.07 *	
Household flagged as having children													
Yes	9,810	47.68	50.56	-1.74	2,140	28.07	40.97	-3.88 *	7,640	52.60	8.18 *	6.43 *	
No	40,380	48.62	46.67	1.50	8,960	29.78	33.30	-1.58	31,300	51.05	10.67 *	12.09 *	
Ability to match address to phone number													
Phone number available	33,690	52.49	51.57	0.80	6,970	32.45	39.12	-2.67 *	26,630	55.05	10.03 *	11.28 *	
No phone number available	16,490	40.71	40.85	-0.07	4,130	24.01	29.35	-1.66	12,310	44.59	7.08 *	7.68 *	
Route type													
Street	38,690	51.60	51.15	0.44	7,720	30.95	37.52	-2.77 *	30,890	54.68	11.63 *	11.57 *	
P.O. box	340	48.89	28.05!	1.16	70	‡	28.94!	†	270	35.3!	†	0.39	
Rural route	10	‡	‡	†	0	‡	‡	†	10	‡	†	†	
High rise	11,140	36.62	37.05	-0.16	3,320	25.20	31.36	-1.75	7,770	39.21	3.95 *	3.44 *	
Dwelling type													
Single unit	37,580	52.14	51.78	0.36	7,370	31.35	38.54	-3.11 *	30,130	55.13	11.56 *	12.10 *	
Multi-unit	12,270	36.14	36.24	-0.04	3,660	25.06	29.47	-1.25	8,540	39.16	4.32 *	3.82 *	
Missing	340	48.89	28.05!	1.16	70	‡	28.94!	†	270	35.3!	†	0.39	

See notes at end of table.

Table 4.2.8. PFI overall response rate, by likely-Spanish-speaking classification, targeted materials condition, and selected household characteristics: 2019—Continued

Selected household characteristics ²	All cases				Likely-Spanish-speaking households ¹				Not-likely-Spanish-speaking households ¹				
	Number of eligible screener households included in response rate calculation	PFI overall response rate (percentage)		<i>t</i> statistic	Number of eligible screener households included in response rate calculation	PFI overall response rate (percentage)		<i>t</i> statistic	Number of eligible screener households included in response rate calculation	PFI overall response rate (percent-age)	<i>t</i> statistic		
		Targeted	Baseline			Targeted	Baseline				<i>t</i> statistic	Not likely-Spanish vs. Likely-Spanish Targeted	Not likely-Spanish vs. Likely-Spanish Baseline
Vacancy status													
Flagged as vacant	580	41.55	24.03	2.42 *	140	23.91†	35.15	-0.87	430	27.89	0.30	-0.73	
Not flagged as vacant	49,610	48.69	48.44	0.25	10,960	29.41	35.49	-3.06 *	38,510	52.10	12.57 *	14.24 *	
Seasonal address type													
Seasonal or educational seasonal delivery	310	#	‡	†	30	‡	‡	†	280	‡	†	†	
No seasonal delivery	49,870	48.61	47.98	0.64	11,070	29.27	35.46	-3.17 *	38,660	51.67	12.60 *	14.23 *	
Drop point address type													
Drop point	770	29.46†	41.08	-0.97	280	‡	31.80	†	490	41.52	†	1.24	
Not a drop point	49,410	48.93	48.18	0.75	10,820	29.58	35.58	-2.99 *	38,450	51.87	12.26 *	13.93 *	
Census region													
Northeast	8,640	51.11	47.95	1.17	1,630	31.22	29.88	0.29	6,980	52.77	6.13 *	6.69 *	
South	20,170	44.61	43.90	0.47	4,290	26.88	33.56	-2.09 *	15,810	47.23	7.10 *	7.76 *	
Midwest	10,310	54.72	54.14	0.27	800	28.35	40.09	-1.30	9,500	55.55	3.23 *	4.31 *	
West	11,060	47.98	49.46	-0.74	4,380	31.92	38.76	-2.48 *	6,650	55.17	8.27 *	8.64 *	
Race/ethnicity stratum													
25% or more Black	9,570	34.39	33.74	0.31	1,320	20.73	26.48	-1.21	8,110	35.94	3.46 *	3.86 *	
40% or more Hispanic	7,480	31.48	35.25	-1.72	7,480	31.48	35.25	-1.72	†	†	†	†	
Other	33,130	53.85	52.72	0.88	2,310	28.62	39.65	-2.49 *	30,830	54.50	6.92 *	5.88 *	

See notes at end of table.

Table 4.2.8. PFI overall response rate, by likely-Spanish-speaking classification, targeted materials condition, and selected household characteristics: 2019–Continued

Selected household characteristics ²	All cases				Likely-Spanish-speaking households ¹				Not-likely-Spanish-speaking households ¹					
	Number of eligible screener households included in response rate calculation	PFI overall response rate (percentage)		<i>t</i> statistic	Number of eligible screener households included in response rate calculation	PFI overall response rate (percentage)		<i>t</i> statistic	Number of eligible screener households included in response rate calculation	PFI overall response rate (percent-age)	<i>t</i> statistic			
							Not likely-Spanish vs. Likely-Spanish Targeted				Not likely-Spanish vs. Likely-Spanish Baseline			
Tract poverty rate														
20 percent or higher	14,430	37.21	33.99	1.67	5,440	28.18	29.70	-0.59	8,900	37.75	3.73	*	4.11	*
Below 20 percent	35,750	52.45	52.95	-0.43	5,660	29.88	40.82	-3.56	30,040	55.25	8.82	*	10.62	*
Extent of missing frame information ³														
High	9,480	37.68	35.85	0.66	2,000	20.94	20.73	0.04	7,440	39.92	4.72	*	6.15	*
Medium	16,700	45.30	44.65	0.40	4,340	27.07	33.84	-2.53	12,320	48.84	8.74	*	7.83	*
Low	24,010	55.24	54.97	0.20	4,770	34.70	42.76	-2.44	19,180	58.02	7.67	*	9.45	*
Census Low Response Score ⁴														
First quartile (low)	13,200	61.37	58.54	1.52	930	37.05	47.27	-1.16	12,270	60.47	2.82	*	3.99	*
Second quartile	12,650	52.32	54.20	-0.90	1,480	30.63	44.73	-2.65	11,160	55.19	5.22	*	3.73	*
Third quartile	12,350	42.37	43.41	-0.52	3,160	26.90	36.56	-2.51	9,170	46.30	5.44	*	4.60	*
Fourth quartile (high)	11,720	32.86	30.85	1.06	5,450	29.32	29.33	0.00	6,160	32.61	1.38		1.62	
Percent of persons in block group without a high school diploma ⁵														
First quartile (low)	12,930	59.49	56.56	2.06	990	47.41	46.86	0.13	11,940	58.03	3.25	*	3.65	*
Second quartile	12,570	53.18	52.28	0.42	1,440	35.06	43.65	-1.86	11,120	53.81	5.19	*	3.11	*
Third quartile	12,390	46.52	46.04	0.26	2,340	33.90	39.15	-1.30	10,010	47.79	3.67	*	4.05	*
Fourth quartile (high)	12,270	32.58	34.66	-0.97	6,320	23.59	30.12	-2.65	5,860	40.12	6.38	*	4.99	*

See notes at end of table.

Table 4.2.8. PFI overall response rate, by likely-Spanish-speaking classification, targeted materials condition, and selected household characteristics: 2019–Continued

Selected household characteristics ²	All cases				Likely-Spanish-speaking households ¹				Not-likely-Spanish-speaking households ¹			
	Number of eligible screener households included in response rate calculation	PFI overall response rate (percentage)		<i>t</i> statistic	Number of eligible screener households included in response rate calculation	PFI overall response rate (percentage)		<i>t</i> statistic	Number of eligible screener households included in response rate calculation	PFI overall response rate (percent-age)	<i>t</i> statistic	
											Not likely-Spanish vs. Likely-Spanish Targeted	Not likely-Spanish vs. Likely-Spanish Baseline
Percent of persons in block group who are Black ⁵												
First quartile (low)	12,800	57.65	51.82	3.17 *	2,510	31.87	34.59	-0.64	10,290	56.99	6.47 *	9.69 *
Second quartile	12,650	50.21	53.52	-1.51	2,880	30.32	38.91	-1.81	9,770	56.47	6.94 *	5.38 *
Third quartile	12,590	46.64	48.17	-0.74	3,530	29.85	37.24	-2.12 *	9,050	51.69	6.52 *	8.06 *
Fourth quartile (high)	12,120	37.38	35.83	0.76	2,180	24.03	29.56	-1.48	9,810	38.34	4.25 *	3.75 *
Percent of persons in block speaking a non-English language ⁵												
First quartile (low)	12,370	50.92	50.83	0.04	270	23.39!	46.47	-1.89	12,100	51.18	2.44 *	1.02
Second quartile	12,680	54.19	54.27	-0.04	680	32.81	51.53	-2.22 *	12,000	54.52	2.78 *	0.86
Third quartile	12,560	52.45	47.85	2.42 *	2,060	28.80	37.39	-1.71	10,470	51.76	4.98 *	5.73 *
Fourth quartile (high)	12,560	35.54	37.88	-1.19	8,090	29.51	32.65	-1.43	4,350	45.51	6.81 *	6.79 *

† Not applicable.

Rounds to zero.

! Interpret with caution. The coefficient of variation (CV) is between 30 and 50 percent.

‡ Reporting standards not met. Either there are too few cases for a reliable estimate or the coefficient of variation (CV) is 50 percent or greater.

**p* < .05.

¹ Likely-Spanish-speaking households were identified based on information available on the frame: (1) the household is flagged as having a Hispanic surname, (2) the household is in a tract with 40% or more Hispanic persons, or (3) the household is in a tract where 10% or more households have Spanish as their primary language and “limited English-speaking” status.

² Unless indicated otherwise, the selected characteristics are based on available frame variables.

³ Extent of missing frame information was determined based on the number of variables for which the address was missing information on the frame. This analysis is limited to variables for which there is an explicit missing category (as opposed to variables for which a lack of data implies either a lack of the tract in question or that the information is missing). “High missing” cases are cases missing information for 4 or more frame variables, “medium missing” cases are cases missing information for 1 to 3 frame variables, and “low missing” cases are those that were not missing information for any of the frame variables.

⁴ The Census Low Response Score is a derived variable that identifies block groups with characteristics associated with low mail return rates to the 2010 Decennial Census. A higher low response score corresponds to a lower expected mail return rate. This variable was not available for a very small number of cases, and these cases have been excluded from this analysis. Cases that are in the first quartile are those that were expected to be the most likely to participate and those that are in the fourth quartile are those that were expected to be the least likely to participate.

⁵ Percentages are based on block-level American Community Survey data (2013-2017). Cases in the first quartile were those with the lowest prevalence of the characteristic in question and those that are in the fourth quartile are those with the highest prevalence.

NOTE: PFI is Parent and Family Involvement topical survey. The overall response rate is the product of the screener response rate and the topical response rate. Screener and topical response rates were calculated using American Association for Public Opinion Research (AAPOR) Response Rate 1 (RR1). Unweighted sample size was 13,480 for the targeted condition, 36,700 for the baseline condition, 2,890 for likely-Spanish-speaking cases in the targeted condition, 8,210 for likely-Spanish-speaking cases in the baseline condition, and 38,940 for not-likely-Spanish-speaking cases in the baseline and targeted conditions. Sample sizes have been rounded to the nearest 10. Detail may not sum to totals due to rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Household Education Surveys Program (NHES), 2019. U.S. Census Bureau, American Community Survey (ACS), 2013-2017.

Appendix F. Standard Error Tables

Table F.1. Standard errors for Table 2.1.1: Screener response rate (percentage), by experimental condition and response mode: 2019

Response mode	Choice-plus		Baseline web-push	Random paper-only
	\$10 promised incentive	\$20 promised incentive		
Overall	0.285	0.616	0.255	0.817
Web	0.334	0.692	0.264	†
Paper	0.326	0.616	0.207	0.784
Inbound telephone	0.113	0.287	0.115	0.133

† Not applicable.

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Household Education Surveys Program (NHES), 2019.

Table F.2 Standard errors for Table 2.1.2: Percentage point gain in screener response rate, by experimental condition, response timing, and response mode: 2019

Response timing and mode	Choice-plus		Baseline web-push	Random paper-only
	\$10 promised incentive	\$20 promised incentive		
Early mailings				
Overall	0.308	0.668	0.257	0.844
Web	0.304	0.628	0.265	†
Paper	0.306	0.585	0.013	0.844
Inbound telephone	0.101	0.258	0.104	0.086
Late mailings				
Overall	0.192	0.466	0.212	0.596
Web	0.146	0.328	0.046	†
Paper	0.165	0.309	0.207	0.568
Inbound telephone	0.062	0.139	0.047	0.102

† Not applicable.

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Household Education Surveys Program (NHES), 2019.

Table F.3 Standard errors for Table 2.1.3: Screener response rate (percentage), by experimental condition and selected household characteristics: 2019

Selected household characteristics	Choice-plus		Baseline web-push	Random paper-only
	\$10 promised incentive	\$20 promised incentive		
Gender of head of household				
Male	0.586	0.997	0.401	1.335
Female	0.575	1.133	0.464	1.409
Missing	0.498	1.175	0.415	1.399
Age of head of household				
18-34	1.224	2.497	0.958	2.938
35-44	0.895	1.809	0.750	2.519
45-54	0.874	1.697	0.658	2.253
55-65	0.689	1.408	0.568	2.016
Over 65	0.595	0.993	0.467	1.438
Missing	0.596	1.423	0.453	1.669
Marital status of head of household				
Single	0.573	1.199	0.512	1.444
Married	0.386	0.865	0.334	1.072
Missing	0.836	1.499	0.675	2.189
Race/ethnicity of head of household				
White	0.428	0.846	0.325	1.081
Black	1.030	1.747	0.868	2.433
Hispanic	0.892	1.809	0.827	2.797
Asian/Pacific Islander or Other	1.661	3.144	1.449	4.139
Missing	0.622	1.343	0.500	1.754
Highest education level of head of household				
Less than high school diploma	0.945	2.115	0.792	2.330
High school diploma	0.689	1.338	0.500	1.659
Some college	0.609	1.211	0.639	1.728
Bachelor's degree	0.866	1.527	0.562	2.047
Graduate degree	1.039	2.216	0.719	2.419
Missing	0.680	1.432	0.509	1.799
Household income				
Less than \$25,000	0.796	1.753	0.695	2.027
\$25,000-\$49,999	0.660	1.525	0.508	1.832
\$50,000-\$74,999	0.857	1.535	0.628	2.360
\$75,000-\$99,999	0.951	1.712	0.710	2.419
\$100,000-\$149,999	0.795	1.912	0.675	2.090
\$150,000 or more	1.079	2.116	0.737	2.184
Missing	0.806	1.811	0.712	2.174
Home tenure				
Own	0.382	0.750	0.304	0.964
Rent	0.756	1.574	0.649	1.961
Missing	0.861	1.764	0.734	2.452

See notes at end of table.

Table F.3 Standard errors for Table 2.1.3: Screener response rate (percentage), by experimental condition and selected household characteristics: 2019—Continued

Selected household characteristics	Choice-plus		Baseline web-push	Random paper-only
	\$10 promised incentive	\$20 promised incentive		
Number of adults in household				
1	0.476	0.892	0.375	1.325
2	0.545	1.048	0.520	1.454
3	0.982	1.919	0.886	2.558
4 or more	1.781	3.694	1.549	4.221
Missing	0.802	1.796	0.711	2.164
Household flagged as having children				
Yes	0.659	1.498	0.550	1.621
No	0.313	0.704	0.268	0.840
Ability to match address to phone number				
Phone number available	0.396	0.738	0.283	1.065
No phone number available	0.503	1.040	0.463	1.537
Route type				
Street	0.331	0.664	0.269	0.995
P.O. box	3.771	†	3.200	†
Rural route	†	†	†	†
High rise	0.626	1.378	0.550	1.639
Dwelling type				
Single unit	0.343	0.650	0.273	1.021
Multi-unit	0.636	1.344	0.553	1.564
Missing	3.771	†	3.200	†
Vacancy status				
Flagged as vacant	3.247	5.827	2.686	7.067
Not flagged as vacant	0.283	0.607	0.259	0.838
Seasonal address type				
Seasonal or educational seasonal delivery	3.369	6.953	2.655	†
No seasonal delivery	0.286	0.618	0.252	0.832
Drop point address type				
Drop point	2.454	5.862	2.124	7.588
Not a drop point	0.298	0.606	0.257	0.827
Census region				
Northeast	0.731	1.628	0.557	1.851
South	0.516	0.979	0.437	1.287
Midwest	0.635	1.394	0.564	1.624
West	0.697	1.367	0.567	1.563
Race/ethnicity stratum				
25% or more Black	0.792	1.683	0.566	1.684
40% or more Hispanic	0.870	1.665	0.718	2.297
Other	0.372	0.706	0.316	0.928

See notes at end of table.

Table F.3 Standard errors for Table 2.1.3: Screener response rate (percentage), by experimental condition and selected household characteristics: 2019—Continued

Selected household characteristics	Choice-plus		Baseline web-push	Random paper-only
	\$10 promised incentive	\$20 promised incentive		
Tract poverty rate				
20 percent or higher	0.559	1.471	0.498	1.716
Below 20 percent	0.334	0.632	0.284	0.981
Extent of missing frame information				
High	0.726	1.574	0.571	1.952
Medium	0.538	1.156	0.483	1.458
Low	0.450	0.846	0.334	0.985
Census Low Response Score				
First quartile (low)	0.564	1.001	0.429	1.288
Second quartile	0.622	1.171	0.435	1.869
Third quartile	0.721	1.070	0.557	1.263
Fourth quartile (high)	0.687	1.546	0.585	1.898
Percent of persons in block group without a high school diploma				
First quartile (low)	0.586	1.272	0.419	1.463
Second quartile	0.581	1.019	0.439	1.433
Third quartile	0.705	1.196	0.582	1.532
Fourth quartile (high)	0.705	1.413	0.571	1.796
Percent of persons in block group who are Black				
First quartile (low)	0.558	1.158	0.527	1.455
Second quartile	0.633	1.244	0.462	1.590
Third quartile	0.645	1.238	0.520	1.754
Fourth quartile (high)	0.678	1.538	0.579	1.696
Percent of persons in block group speaking a non-English language				
First quartile (low)	0.669	1.242	0.485	1.302
Second quartile	0.743	1.222	0.471	1.688
Third quartile	0.704	1.445	0.463	1.478
Fourth quartile (high)	0.607	1.388	0.636	1.715
Bilingual screener package mailed				
Yes	0.370	0.731	0.316	0.962
No	0.566	1.264	0.480	1.509
Paper-sensitivity classification				
Paper-sensitive	0.770	1.364	0.595	1.893
Not paper-sensitive	0.326	0.722	0.271	0.915

† Not applicable.

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Household Education Surveys Program (NHES), 2019. U.S. Census Bureau, American Community Survey (ACS), 2013-2017.

Table F.4 Standard errors for Table 2.1.4: Percentage of screener respondents who reported at least one child eligible for the topical surveys, by experimental condition and questionnaire: 2019

Questionnaire	Choice-plus		Baseline web-push	Random paper-only
	\$10 promised incentive	\$20 promised incentive		
Overall	0.369	0.698	0.327	0.810
ECPP	0.236	0.472	0.225	0.545
PFI	0.357	0.668	0.292	0.828

NOTE: ECPP is Early Childhood Program Participation topical survey. PFI is Parent and Family Involvement topical survey.

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Household Education Surveys Program (NHES), 2019.

Table F.5 Standard errors for Table 2.1.5: Topical response rate (percentage), by experimental condition, questionnaire, and response mode: 2019

Questionnaire and response mode	Choice-plus		Baseline web-push	Random paper-only
	\$10 promised incentive	\$20 promised incentive		
ECPP				
Overall	1.218	1.986	1.102	4.075
Web	0.798	1.495	0.977	†
Paper	3.654	6.143	2.359	4.092
Inbound telephone	6.486	†	†	†
PFI				
Overall	0.928	1.566	0.850	2.968
Web	0.869	1.064	0.797	†
Paper	2.022	4.556	1.923	2.968
Inbound telephone	2.737	†	6.002	†

† Not applicable.

NOTE: ECPP is Early Childhood Program Participation topical survey. PFI is Parent and Family Involvement topical survey.

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Household Education Surveys Program (NHES), 2019.

Table F.6 Standard errors for Table 2.1.6: Overall response rate (percentage), by experimental condition, questionnaire, and response mode: 2019

Questionnaire and response mode	Choice-plus		Baseline web-push	Random paper-only
	\$10 promised incentive	\$20 promised incentive		
ECPP				
Overall	0.849	1.415	0.661	2.760
Web	0.407	0.856	0.397	†
Paper	1.089	1.688	0.509	2.729
Inbound telephone	0.275	0.656	0.177	†
PFI				
Overall	0.625	1.110	0.527	2.072
Web	0.357	0.763	0.331	†
Paper	0.615	1.254	0.394	2.048
Inbound telephone	0.141	0.287	0.273	#

† Not applicable.

Rounds to zero.

NOTE: ECPP is Early Childhood Program Participation topical survey. PFI is Parent and Family Involvement topical survey.

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Household Education Surveys Program (NHES), 2019.

Table F.7 Standard errors for Table 2.1.7: ECPP overall response rate (percentage), by experimental condition and selected household characteristics: 2019

Selected household characteristics	Choice-plus		Baseline web-push	Random paper-only
	\$10 promised incentive	\$20 promised incentive		
Gender of head of household				
Male	1.269	2.856	1.110	3.849
Female	1.613	3.182	1.165	6.159
Missing	1.147	1.771	1.119	5.226
Age of head of household				
18-34	1.732	4.416	1.515	5.242
35-44	1.414	2.752	1.384	5.920
45-54	3.962	5.053	2.185	6.523
55-65	3.199	4.324	3.493	12.141
Over 65	3.950	6.980	2.860	9.964
Missing	1.183	2.054	1.086	5.302
Marital status of head of household				
Single	1.536	2.560	1.321	5.366
Married	1.154	2.066	0.897	3.772
Missing	1.817	2.050	1.996	5.710
Race/ethnicity of head of household				
White	1.099	2.415	1.161	3.316
Black	3.018	3.768	2.117	8.301
Hispanic	2.445	3.297	1.461	6.121
Asian/Pacific Islander or Other	2.783	6.579	2.347	15.919
Missing	1.306	1.863	1.493	6.410
Highest education level of head of household				
Less than high school diploma	2.163	4.103	1.829	4.558
High school diploma	2.494	2.826	2.124	7.879
Some college	1.501	3.088	1.278	5.636
Bachelor's degree	2.290	4.698	1.877	6.173
Graduate degree	2.638	3.227	2.265	8.182
Missing	1.464	1.987	1.521	6.888
Household income				
Less than \$25,000	2.399	2.602	1.627	8.549
\$25,000-\$49,999	1.948	4.105	1.760	8.060
\$50,000-\$74,999	2.079	3.336	1.790	6.379
\$75,000-\$99,999	2.325	4.309	2.571	7.441
\$100,000-\$149,999	2.115	4.397	1.260	4.695
\$150,000 or more	2.599	3.205	2.269	8.509
Missing	1.846	2.268	1.820	8.744
Home tenure				
Own	1.065	1.810	0.825	3.438
Rent	1.560	2.688	1.379	6.347
Missing	1.666	2.232	1.850	8.294

See notes at end of table.

Table F.7 Standard errors for Table 2.1.7: ECPP overall response rate (percentage), by experimental condition and selected household characteristics: 2019—Continued

Selected household characteristics	Choice-plus		Baseline web-push	Random paper-only
	\$10 promised incentive	\$20 promised incentive		
Number of adults in household				
1	1.321	1.740	0.926	3.737
2	1.495	3.253	1.435	4.449
3	6.231	7.036	2.887	12.549
4 or more	7.750	†	7.470	†
Missing	1.885	2.254	1.830	8.764
Household flagged as having children				
Yes	1.692	3.517	1.515	6.298
No	0.947	1.362	0.793	3.218
Ability to match address to phone number				
Phone number available	1.080	2.147	0.940	3.623
No phone number available	1.245	1.722	0.907	3.689
Route type				
Street	0.929	1.600	0.739	2.933
P.O. box	3.771	†	7.896	†
Rural route	†	†	†	†
High rise	1.819	2.550	1.671	7.529
Dwelling type				
Single unit	0.920	1.669	0.769	2.954
Multi-unit	1.664	2.357	1.459	7.203
Missing	3.771	†	7.896	†
Vacancy status				
Flagged as vacant	7.341	#	2.686	†
Not flagged as vacant	0.848	1.418	0.669	2.805
Seasonal address type				
Seasonal or educational seasonal delivery	†	#	†	†
No seasonal delivery	0.852	1.424	0.660	2.757
Drop point address type				
Drop point	9.934	5.862	3.571	†
Not a drop point	0.851	1.436	0.669	2.770
Census region				
Northeast	1.857	2.585	1.422	7.571
South	1.507	2.160	1.084	4.486
Midwest	1.630	4.406	1.723	5.142
West	1.460	3.157	1.345	7.111
Race/ethnicity stratum				
25% or more Black	2.047	3.136	1.389	5.514
40% or more Hispanic	2.374	3.076	1.350	6.101
Other	0.984	1.793	0.908	3.106

See notes at end of table.

Table F.7 Standard errors for Table 2.1.7: ECPP overall response rate (percentage), by experimental condition and selected household characteristics: 2019–Continued

Selected household characteristics	Choice-plus		Baseline web-push	Random paper-only
	\$10 promised incentive	\$20 promised incentive		
Tract poverty rate				
20 percent or higher	1.705	2.499	1.372	5.912
Below 20 percent	0.985	1.654	0.798	2.976
Extent of missing frame information				
High	1.490	1.914	1.678	6.824
Medium	1.285	2.517	1.067	4.602
Low	1.282	2.306	0.899	4.021
Census Low Response Score				
First quartile (low)	1.476	3.449	1.471	5.615
Second quartile	1.495	2.788	1.302	3.974
Third quartile	1.590	2.105	1.471	6.166
Fourth quartile (high)	1.627	2.080	1.223	5.303
Percent of persons in block group without a high school diploma				
First quartile (low)	1.603	3.233	1.097	4.773
Second quartile	1.625	3.087	1.209	4.849
Third quartile	1.881	2.853	1.720	4.989
Fourth quartile (high)	1.787	2.383	1.457	5.690
Percent of persons in block group who are Black				
First quartile (low)	1.978	3.117	1.507	4.253
Second quartile	1.748	2.190	1.381	4.431
Third quartile	1.514	2.730	1.295	5.525
Fourth quartile (high)	1.712	2.996	1.528	5.407
Percent of persons in block group speaking a non-English language				
First quartile (low)	1.785	2.575	1.791	5.237
Second quartile	1.558	2.826	1.157	4.592
Third quartile	1.475	2.491	1.367	5.923
Fourth quartile (high)	1.791	2.891	1.219	5.187
Bilingual screener package mailed				
Yes	0.961	1.677	0.669	3.233
No	1.513	2.701	1.615	4.956
Paper-sensitivity classification				
Paper-sensitive	4.094	11.441	5.712	13.105
Not paper-sensitive	0.894	1.413	0.615	2.776

† Not applicable.

Rounds to zero.

NOTE: ECPP is Early Childhood Program Participation topical survey.

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Household Education Surveys Program (NHES), 2019. U.S. Census Bureau, American Community Survey (ACS), 2013-2017.

Table F.8 Standard errors for Table 2.1.8: PFI overall response rate (percentage), by experimental condition and selected household characteristics: 2019

Selected household characteristics	Choice-plus		Baseline web-push	Random paper-only
	\$10 promised incentive	\$20 promised incentive		
Gender of head of household				
Male	1.131	1.732	0.739	3.438
Female	1.109	2.220	0.850	4.160
Missing	1.076	2.010	1.101	2.892
Age of head of household				
18-34	2.099	4.529	1.809	5.583
35-44	1.212	2.223	0.964	4.159
45-54	1.388	2.356	1.235	3.641
55-65	2.100	4.339	1.738	3.469
Over 65	2.886	2.792	2.105	9.558
Missing	1.371	2.268	1.001	4.633
Marital status of head of household				
Single	1.569	2.487	1.217	5.223
Married	0.868	1.374	0.649	2.321
Missing	1.933	3.326	1.859	4.726
Race/ethnicity of head of household				
White	1.066	1.635	0.789	2.992
Black	1.593	3.011	1.866	6.145
Hispanic	1.604	2.744	1.158	4.785
Asian/Pacific Islander or Other	2.514	3.562	2.015	7.484
Missing	1.339	2.546	1.319	3.681
Highest education level of head of household				
Less than high school diploma	2.197	2.885	1.428	4.603
High school diploma	1.762	3.866	1.239	5.265
Some college	1.402	1.692	1.258	4.148
Bachelor's degree	1.464	3.254	1.301	4.049
Graduate degree	1.949	4.087	1.286	4.849
Missing	1.431	2.748	1.436	3.700
Household income				
Less than \$25,000	2.000	3.237	1.472	7.534
\$25,000-\$49,999	2.129	2.930	1.298	4.187
\$50,000-\$74,999	1.680	3.743	1.356	5.643
\$75,000-\$99,999	1.789	2.315	2.037	4.264
\$100,000-\$149,999	1.465	2.359	1.139	4.294
\$150,000 or more	1.913	3.309	1.453	5.020
Missing	2.048	3.221	1.750	5.307
Home tenure				
Own	0.825	1.311	0.589	2.152
Rent	1.567	2.609	1.328	5.995
Missing	1.929	3.395	1.671	5.576

See notes at end of table.

Table F.8 Standard errors for Table 2.1.8: PFI overall response rate (percentage), by experimental condition and selected household characteristics: 2019—Continued

Selected household characteristics	Choice-plus		Baseline web-push	Random paper-only
	\$10 promised incentive	\$20 promised incentive		
Number of adults in household				
1	0.991	1.772	0.903	3.596
2	1.164	1.605	0.890	3.096
3	2.271	3.784	1.824	7.966
4 or more	4.438	5.082	3.294	13.557
Missing	2.053	3.329	1.809	5.332
Household flagged as having children				
Yes	0.997	1.811	0.884	2.510
No	0.811	1.627	0.683	2.936
Ability to match address to phone number				
Phone number available	0.806	1.404	0.601	2.623
No phone number available	1.023	1.640	1.052	2.948
Route type				
Street	0.702	1.189	0.583	2.121
P.O. box	8.121	†	12.680	†
Rural route	†	†	†	†
High rise	1.719	2.889	1.203	4.055
Dwelling type				
Single unit	0.712	1.234	0.572	2.161
Multi-unit	1.550	2.741	1.449	3.864
Missing	8.121	†	12.680	†
Vacancy status				
Flagged as vacant	5.793	†	6.000	†
Not flagged as vacant	0.630	1.107	0.518	2.089
Seasonal address type				
Seasonal or educational seasonal delivery	†	†	†	†
No seasonal delivery	0.627	1.114	0.522	2.079
Drop point address type				
Drop point	5.391	6.933	3.978	†
Not a drop point	0.637	1.109	0.538	2.098
Census region				
Northeast	1.421	3.293	1.312	3.857
South	1.066	1.404	0.769	3.160
Midwest	1.722	2.774	1.206	6.043
West	1.426	2.277	1.119	3.431
Race/ethnicity stratum				
25% or more Black	1.713	2.385	1.094	3.995
40% or more Hispanic	1.532	2.690	1.162	3.190
Other	0.828	1.429	0.689	2.678

See notes at end of table.

Table F.8 Standard errors for Table 2.1.8: PFI overall response rate (percentage), by experimental condition and selected household characteristics: 2019–Continued

Selected household characteristics	Choice-plus		Baseline web-push	Random paper-only
	\$10 promised incentive	\$20 promised incentive		
Tract poverty rate				
20 percent or higher	1.209	2.096	1.064	4.337
Below 20 percent	0.690	1.270	0.558	2.239
Extent of missing frame information				
High	1.593	2.783	1.516	4.228
Medium	1.280	1.803	1.120	4.367
Low	0.914	1.243	0.704	2.587
Census Low Response Score				
First quartile (low)	1.410	1.919	1.078	3.215
Second quartile	1.339	2.154	0.894	4.588
Third quartile	1.398	2.070	0.988	4.369
Fourth quartile (high)	1.297	2.392	1.040	3.409
Percent of persons in block group without a high school diploma				
First quartile (low)	1.392	1.599	0.888	4.069
Second quartile	1.387	1.806	1.181	3.729
Third quartile	1.483	2.591	1.048	5.018
Fourth quartile (high)	1.319	2.339	1.113	3.694
Percent of persons in block group who are Black				
First quartile (low)	1.478	2.780	1.156	4.074
Second quartile	1.328	1.977	1.207	3.022
Third quartile	1.218	1.909	0.936	3.558
Fourth quartile (high)	1.421	2.380	1.090	3.886
Percent of persons in block group speaking a non-English language				
First quartile (low)	1.584	1.833	1.215	4.463
Second quartile	1.132	1.869	1.163	4.050
Third quartile	1.367	2.721	1.170	4.224
Fourth quartile (high)	1.243	2.195	1.158	3.009
Bilingual screener package mailed				
Yes	0.743	1.483	0.578	2.440
No	1.162	1.689	1.201	4.392
Paper-sensitivity classification				
Paper-sensitive	3.658	3.742	1.547	9.045
Not paper-sensitive	0.636	1.167	0.539	2.182

† Not applicable.

NOTE: PFI is Parent and Family Involvement topical survey.

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Household Education Surveys Program (NHES), 2019. U.S. Census Bureau, American Community Survey (ACS), 2013-2017.

Table F.9 Standard errors for Table 2.2.1: Screener response rate (percentage), by paper-sensitivity classification, experimental condition, and response mode: 2019

Response mode	All cases			Paper-sensitive cases		Non-paper-sensitive cases	
	Modeled-mode condition	Baseline web-push condition	Random paper-only condition	Paper-only protocol	Web-push protocol	Paper-only protocol	Web-push protocol
Overall	0.286	0.255	0.817	0.640	0.595	0.915	0.295
Web	0.223	0.264	†	†	0.609	†	0.265
Paper	0.258	0.207	0.784	0.645	0.645	0.885	0.253
Inbound telephone	0.100	0.115	0.133	0.154	0.440	0.147	0.114

† Not applicable.

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Household Education Surveys Program (NHES), 2019.

Table F.10 Standard Errors for Table 2.2.2: Percentage point gain in screener response rate, by paper-sensitivity classification, experimental condition, response timing, and response mode: 2019

Response timing and mode	All cases			Paper-sensitive cases		Non-paper-sensitive cases	
	Modeled-mode condition	Baseline web-push condition	Random paper-only condition	Paper-only protocol	Web-push protocol	Paper-only protocol	Web-push protocol
Early mailings							
Overall	0.282	0.257	0.844	0.726	0.717	0.858	0.267
Web	0.231	0.265	†	†	0.615	†	0.276
Paper	0.177	0.013	0.844	0.739	0.055	0.859	0.016
Inbound telephone	0.089	0.104	0.086	0.116	0.435	0.089	0.104
Late mailings							
Overall	0.236	0.212	0.596	0.473	0.637	0.610	0.263
Web	0.041	0.046	†	†	0.107	†	0.049
Paper	0.222	0.207	0.568	0.457	0.646	0.581	0.252
Inbound telephone	0.051	0.047	0.102	0.103	0.143	0.120	0.056

† Not applicable.

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Household Education Surveys Program (NHES), 2019.

Table F.11 Standard errors for Table 2.2.3: Screener response rate (percentage), by paper-sensitivity classification, experimental condition, and selected household characteristics: 2019

Selected household characteristics	All cases			Paper-sensitive cases		Non-paper-sensitive cases	
	Modeled-mode condition	Baseline web-push condition	Random paper-only condition	Paper-only protocol	Web-push protocol	Paper-only protocol	Web-push protocol
Gender of head of household							
Male	0.437	0.401	1.335	0.962	0.992	1.548	0.493
Female	0.524	0.464	1.409	0.828	0.917	1.589	0.581
Missing	0.491	0.415	1.399	1.654	1.506	1.488	0.488
Age of head of household							
18-34	0.985	0.958	2.938	5.260	4.139	2.985	0.971
35-44	0.870	0.750	2.519	3.643	3.456	2.634	0.882
45-54	0.640	0.658	2.253	2.299	2.448	2.356	0.641
55-65	0.641	0.568	2.016	1.271	1.459	2.119	0.701
Over 65	0.500	0.467	1.438	0.649	0.702	2.236	0.767
Missing	0.517	0.453	1.669	3.413	3.915	1.706	0.516
Marital status of head of household							
Single	0.503	0.512	1.444	0.970	0.959	1.507	0.522
Married	0.370	0.334	1.072	0.780	0.759	1.207	0.406
Missing	0.696	0.675	2.189	3.058	3.124	2.230	0.704
Race/ethnicity of head of household							
White	0.388	0.325	1.081	0.663	0.680	1.301	0.419
Black	0.948	0.868	2.433	1.846	1.948	2.694	1.001
Hispanic	0.781	0.827	2.797	2.510	2.557	3.001	0.784
Asian/Pacific Islander or Other	1.246	1.449	4.139	5.982	5.679	4.163	1.284
Missing	0.496	0.500	1.754	1.668	2.336	1.806	0.494

See notes at end of table.

Table F.11 Standard errors for Table 2.2.3: Screener response rate (percentage), by paper-sensitivity classification, experimental condition, and selected household characteristics: 2019–Continued

Selected household characteristics	All cases			Paper-sensitive cases		Non-paper-sensitive cases	
	Modeled-mode condition	Baseline web-push condition	Random paper-only condition	Paper-only protocol	Web-push protocol	Paper-only protocol	Web-push protocol
Highest education level of head household							
Less than high school diploma	0.907	0.792	2.330	1.603	1.675	2.792	1.018
High school diploma	0.594	0.500	1.659	0.860	0.855	2.012	0.719
Some college	0.575	0.639	1.728	1.372	1.423	1.912	0.610
Bachelor's degree	0.647	0.562	2.047	2.132	2.125	2.153	0.660
Graduate degree	0.721	0.719	2.419	2.198	2.228	2.580	0.744
Missing	0.542	0.509	1.799	1.831	2.533	1.853	0.536
Household income							
Less than \$25,000	0.666	0.695	2.027	1.374	1.203	2.519	0.726
\$25,000-\$49,999	0.613	0.508	1.832	0.850	0.909	2.147	0.747
\$50,000-\$74,999	0.689	0.628	2.360	1.117	1.394	2.485	0.821
\$75,000-\$99,999	0.749	0.710	2.419	2.101	1.740	2.522	0.794
\$100,000-\$149,999	0.758	0.675	2.090	2.389	2.777	2.172	0.808
\$150,000 or more	0.858	0.737	2.184	2.103	2.529	2.339	0.933
Missing	0.762	0.712	2.174	2.500	3.275	2.287	0.785
Home tenure							
Own	0.356	0.304	0.964	0.665	0.654	1.113	0.395
Rent	0.653	0.649	1.961	2.032	2.147	2.022	0.664
Missing	0.720	0.734	2.452	4.422	5.205	2.471	0.735
Number of adults in household							
1	0.428	0.375	1.325	0.917	0.969	1.445	0.453
2	0.510	0.520	1.454	0.868	0.938	1.731	0.533
3	0.867	0.886	2.558	1.564	1.814	2.723	0.968
4 or more	1.933	1.549	4.221	3.444	3.196	4.456	2.126
Missing	0.769	0.711	2.164	2.500	3.275	2.278	0.799

See notes at end of table.

Table F.11 Standard errors for Table 2.2.3: Screener response rate (percentage), by paper-sensitivity classification, experimental condition, and selected household characteristics: 2019–Continued

Selected household characteristics	All cases			Paper-sensitive cases		Non-paper-sensitive cases	
	Modeled-mode condition	Baseline web-push condition	Random paper-only condition	Paper-only protocol	Web-push protocol	Paper-only protocol	Web-push protocol
Household flagged as having children							
Yes	0.599	0.550	1.621	1.665	1.841	1.866	0.651
No	0.307	0.268	0.840	0.663	0.605	0.940	0.325
Ability to match address to phone number							
Phone number available	0.381	0.283	1.065	0.709	0.613	1.202	0.417
No phone number available	0.502	0.463	1.537	1.665	1.547	1.572	0.499
Route type							
Street	0.321	0.269	0.995	0.678	0.654	1.112	0.343
P.O. box	3.098	3.200	†	6.907	10.341	†	3.546
Rural route	†	†	†	†	†	†	†
High rise	0.608	0.550	1.639	1.858	1.598	1.761	0.631
Dwelling type							
Single unit	0.320	0.273	1.021	0.682	0.652	1.141	0.342
Multi-unit	0.561	0.553	1.564	1.823	1.503	1.672	0.584
Missing	3.098	3.200	†	6.907	10.341	†	3.546
Vacancy status							
Flagged as vacant	2.677	2.686	7.067	13.288	10.204	7.538	2.662
Not flagged as vacant	0.282	0.259	0.838	0.639	0.593	0.925	0.291

See notes at end of table.

Table F.11 Standard errors for Table 2.2.3: Screener response rate (percentage), by paper-sensitivity classification, experimental condition, and selected household characteristics: 2019–Continued

Selected household characteristics	All cases			Paper-sensitive cases		Non-paper-sensitive cases	
	Modeled-mode condition	Baseline web-push condition	Random paper-only condition	Paper-only protocol	Web-push protocol	Paper-only protocol	Web-push protocol
Seasonal address type							
Seasonal or educational seasonal delivery	3.459	2.655	†	6.606	5.434	†	3.730
No seasonal delivery	0.288	0.252	0.832	0.646	0.600	0.925	0.298
Drop point address type							
Drop point	2.176	2.124	7.588	5.447	5.538	8.132	2.350
Not a drop point	0.289	0.257	0.827	0.644	0.598	0.925	0.296
Census region							
Northeast	0.685	0.557	1.851	1.257	1.485	2.021	0.784
South	0.483	0.437	1.287	0.905	1.049	1.421	0.535
Midwest	0.585	0.564	1.624	0.867	1.036	2.197	0.610
West	0.573	0.567	1.563	1.474	1.569	1.647	0.578
Race/ethnicity stratum							
25% or more Black	0.714	0.566	1.684	1.618	1.422	1.766	0.777
40% or more Hispanic	0.633	0.718	2.297	2.114	2.048	2.435	0.630
Other	0.334	0.316	0.928	0.683	0.700	1.044	0.355
Tract poverty rate							
20 percent or higher	0.529	0.498	1.716	1.289	1.008	1.930	0.570
Below 20 percent	0.313	0.284	0.981	0.709	0.704	1.081	0.318

See notes at end of table.

Table F.11 Standard errors for Table 2.2.3: Screener response rate (percentage), by paper-sensitivity classification, experimental condition, and selected household characteristics: 2019–Continued

Selected household characteristics	All cases			Paper-sensitive cases		Non-paper-sensitive cases	
	Modeled-mode condition	Baseline web-push condition	Random paper-only condition	Paper-only protocol	Web-push protocol	Paper-only protocol	Web-push protocol
Extent of missing frame information							
High	0.596	0.571	1.952	2.409	3.210	2.010	0.611
Medium	0.490	0.483	1.458	1.531	1.347	1.561	0.498
Low	0.386	0.334	0.985	0.653	0.681	1.178	0.441
Census Low Response Score							
First quartile (low)	0.456	0.429	1.288	0.966	0.951	1.552	0.545
Second quartile	0.501	0.435	1.869	0.981	1.129	1.931	0.543
Third quartile	0.571	0.557	1.263	1.290	1.070	1.470	0.659
Fourth quartile (high)	0.583	0.585	1.898	1.779	1.908	1.991	0.587
Percent of persons in block without a high school diploma							
First quartile (low)	0.521	0.419	1.463	1.226	1.291	1.554	0.552
Second quartile	0.541	0.439	1.433	1.136	1.312	1.639	0.589
Third quartile	0.531	0.582	1.532	0.966	1.027	1.745	0.587
Fourth quartile (high)	0.550	0.571	1.796	1.301	1.264	2.100	0.554
Percent of persons in block group who are Black							
First quartile (low)	0.499	0.527	1.455	0.873	1.018	1.592	0.561
Second quartile	0.509	0.462	1.590	1.087	1.206	1.895	0.561
Third quartile	0.576	0.520	1.754	1.260	1.272	1.885	0.587
Fourth quartile (high)	0.624	0.579	1.696	1.373	1.212	1.952	0.699

See notes at end of table.

Table F.11 Standard errors for Table 2.2.3: Screener response rate (percentage), by paper-sensitivity classification, experimental condition, and selected household characteristics: 2019–Continued

Selected household characteristics	All cases			Paper-sensitive cases		Non-paper-sensitive cases	
	Modeled-mode condition	Baseline web-push condition	Random paper-only condition	Paper-only protocol	Web-push protocol	Paper-only protocol	Web-push protocol
Percent of persons in block group speaking a non-English language							
First quartile (low)	0.576	0.485	1.302	0.870	0.967	1.636	0.656
Second quartile	0.601	0.471	1.688	0.980	1.014	1.934	0.670
Third quartile	0.599	0.463	1.478	1.252	1.279	1.502	0.622
Fourth quartile (high)	0.602	0.636	1.715	1.910	1.984	1.874	0.605
Bilingual screener mailed							
Yes	0.332	0.316	0.962	0.797	0.709	1.012	0.356
No	0.500	0.480	1.509	0.897	0.995	1.878	0.538

† Not applicable.

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Household Education Surveys Program (NHES), 2019. U.S. Census Bureau, American Community Survey (ACS), 2013-2017.

Table F.12 Standard errors for Table 2.2.4: Percentage of screener respondents who reported at least one child eligible for the topical surveys, by paper-sensitivity classification, experimental condition, and questionnaire: 2019

Questionnaire	All cases			Paper-sensitive cases		Non-paper-sensitive cases	
	Modeled-mode condition	Baseline web-push condition	Random paper-only condition	Paper-only protocol	Web-push protocol	Paper-only protocol	Web-push protocol
Overall	0.330	0.327	0.810	0.395	0.438	0.977	0.400
ECPP	0.208	0.225	0.545	0.248	0.214	0.630	0.259
PFI	0.306	0.292	0.828	0.395	0.411	0.950	0.367

NOTE: ECPP is Early Childhood Program Participation topical survey. PFI is Parent and Family Involvement topical survey.

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Household Education Surveys Program (NHES), 2019.

Table F.13 Standard errors for Table 2.2.5: Topical response rate (percentage), by paper-sensitivity classification, experimental condition, questionnaire, and response mode: 2019

Questionnaire and response mode	All cases			Paper-sensitive cases		Non-paper-sensitive cases	
	Modeled-mode condition	Baseline web-push condition	Random paper-only condition	Paper-only protocol	Web-push protocol	Paper-only protocol	Web-push protocol
ECPP							
Overall	1.146	1.102	4.075	6.279	7.837	4.321	1.081
Web	0.841	0.977	†	†	2.604	†	0.841
Paper	2.414	2.359	4.092	6.279	12.749	4.341	2.530
Inbound telephone	†	†	†	†	†	†	†
PFI							
Overall	0.693	0.850	2.968	4.023	2.096	3.133	0.714
Web	0.660	0.797	†	†	2.405	†	0.660
Paper	1.557	1.923	2.968	4.036	4.322	3.133	1.723
Inbound telephone	2.013	6.002	†	†	†	†	2.094

† Not applicable.

NOTE: ECPP is Early Childhood Program Participation topical survey. PFI is Parent and Family Involvement topical survey.

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Household Education Surveys Program (NHES), 2019.

Table F.14 Standard errors for Table 2.2.6: Overall response rate (percentage), by paper-sensitivity classification, experimental condition, questionnaire, and response mode: 2019

Questionnaire and response mode	All cases			Paper-sensitive cases		Non-paper-sensitive cases	
	Modeled-mode condition	Baseline web-push condition	Random paper-only condition	Paper-only protocol	Web-push protocol	Paper-only protocol	Web-push protocol
ECPP							
Overall	0.753	0.661	2.760	5.105	5.712	2.776	0.652
Web	0.310	0.397	†	†	1.043	†	0.368
Paper	0.725	0.509	2.729	5.014	3.344	2.741	0.499
Inbound telephone	0.100	0.177	†	#	†	†	0.114
PFI							
Overall	0.453	0.527	2.072	3.339	1.547	2.182	0.426
Web	0.273	0.331	†	†	1.053	†	0.323
Paper	0.466	0.394	2.048	3.293	1.276	2.149	0.353
Inbound telephone	0.114	0.273	#	†	0.440	#	0.130

† Not applicable.

Rounds to zero.

NOTE: ECPP is Early Childhood Program Participation topical survey. PFI is Parent and Family Involvement topical survey.

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Household Education Surveys Program (NHES), 2019.

Table F.15 Standard errors for Table 2.2.7: ECPP overall response rate (percentage), by experimental condition and selected household characteristics: 2019

Selected household characteristics	All cases			Paper-sensitive cases		Non-paper-sensitive cases	
	Modeled-mode condition	Baseline web-push condition	Random paper-only condition	Paper-only protocol	Web-push protocol	Paper-only protocol	Web-push protocol
Gender of head of household							
Male	1.322	1.110	3.849	11.080	3.831	3.850	1.195
Female	1.835	1.165	6.159	6.775	4.896	6.233	1.672
Missing	1.053	1.119	5.226	10.328	13.792	5.251	0.993
Age of head of household							
18-34	1.559	1.515	5.242	13.392	7.040	5.206	1.532
35-44	1.356	1.384	5.920	10.351	†	5.951	1.336
45-54	2.592	2.185	6.523	†	5.436	6.522	2.574
55-65	2.716	3.493	12.141	9.791	5.660	12.467	2.429
Over 65	3.669	2.860	9.964	7.722	5.668	†	3.850
Missing	1.067	1.086	5.302	†	14.641	5.273	0.939
Marital status of head of household							
Single	1.251	1.321	5.366	6.290	5.304	5.369	1.129
Married	1.066	0.897	3.772	8.123	9.822	3.971	0.960
Missing	1.830	1.996	5.710	†	13.656	5.640	1.819
Race/ethnicity of head of household							
White	0.990	1.161	3.316	6.673	7.602	3.556	0.782
Black	2.710	2.117	8.301	12.945	9.675	†	2.559
Hispanic	1.707	1.461	6.121	†	17.386	6.159	1.664
Asian/Pacific Islander or Other	2.249	2.347	15.919	†	†	16.056	2.301
Missing	1.516	1.493	6.410	11.776	14.354	6.323	1.509

See notes at end of table.

Table F.15 Standard errors for Table 2.2.7: ECPP overall response rate (percentage), by experimental condition and selected household characteristics: 2019—Continued

Selected household characteristics	All cases			Paper-sensitive cases		Non-paper-sensitive cases	
	Modeled-mode condition	Baseline web-push condition	Random paper-only condition	Paper-only protocol	Web-push protocol	Paper-only protocol	Web-push protocol
Highest education level of head household							
Less than high school diploma	1.681	1.829	4.558	10.581	12.451	4.890	1.634
High school diploma	1.945	2.124	7.879	7.499	10.349	7.388	1.692
Some college	1.337	1.278	5.636	14.494	4.386	5.524	1.210
Bachelor's degree	1.484	1.877	6.173	†	†	6.255	1.363
Graduate degree	2.937	2.265	8.182	†	7.369	8.162	2.474
Missing	1.448	1.521	6.888	11.621	15.044	6.833	1.431
Household income							
Less than \$25,000	1.806	1.627	8.549	9.454	7.426	8.640	1.663
\$25,000-\$49,999	1.655	1.760	8.060	7.564	4.340	7.703	1.558
\$50,000-\$74,999	2.150	1.790	6.379	18.925	7.309	8.112	1.986
\$75,000-\$99,999	2.504	2.571	7.441	12.786	†	7.301	2.338
\$100,000-\$149,999	1.565	1.260	4.695	22.933	16.808	4.748	1.576
\$150,000 or more	1.901	2.269	8.509	#	#	8.698	1.916
Missing	1.819	1.820	8.744	15.039	15.306	8.609	1.813
Home tenure							
Own	0.926	0.825	3.438	5.791	6.348	3.640	0.792
Rent	1.509	1.379	6.347	13.066	15.072	6.002	1.472
Missing	1.578	1.850	8.294	†	†	8.257	1.594
Number of adults in household							
1	1.094	0.926	3.737	7.317	5.844	3.784	1.024
2	1.507	1.435	4.449	9.516	14.740	4.383	1.230
3	3.025	2.887	12.549	14.508	8.388	15.167	3.088
4 or more	7.844	7.470	4.221	†	13.257	†	8.440
Missing	1.830	1.830	8.764	15.039	15.306	8.629	1.830

See notes at end of table.

Table F.15 Standard errors for Table 2.2.7: ECPP overall response rate (percentage), by experimental condition and selected household characteristics: 2019—Continued

Selected household characteristics	All cases			Paper-sensitive cases		Non-paper-sensitive cases	
	Modeled-mode condition	Baseline web-push condition	Random paper-only condition	Paper-only protocol	Web-push protocol	Paper-only protocol	Web-push protocol
Household flagged as having children							
Yes	1.347	1.515	6.298	8.784	†	6.466	1.305
No	0.911	0.793	3.218	5.393	4.186	3.267	0.806
Ability to match address to phone number							
Phone number available	1.031	0.940	3.623	5.891	6.480	3.765	0.959
No phone number available	0.956	0.907	3.689	11.031	12.458	3.635	0.932
Route type							
Street	0.814	0.739	2.933	5.340	5.833	2.976	0.712
P.O. box	3.098	7.896	†	†	†	†	3.546
Rural route	†	†	†	†	†	†	†
High rise	1.706	1.671	7.529	†	†	7.257	1.528
Dwelling type							
Single unit	0.804	0.769	2.954	5.339	5.928	3.001	0.701
Multi-unit	1.621	1.459	7.203	†	11.181	6.941	1.475
Missing	3.098	7.896	†	†	†	†	3.546
Vacancy status							
Flagged as vacant	6.331	2.686	†	†	†	†	5.486
Not flagged as vacant	0.764	0.669	2.805	5.169	5.725	2.818	0.657

See notes at end of table.

Table F.15 Standard errors for Table 2.2.7: ECPP overall response rate (percentage), by experimental condition and selected household characteristics: 2019—Continued

Selected household characteristics	All cases			Paper-sensitive cases		Non-paper-sensitive cases	
	Modeled-mode condition	Baseline web-push condition	Random paper-only condition	Paper-only protocol	Web-push protocol	Paper-only protocol	Web-push protocol
Seasonal address type							
Seasonal or educational seasonal delivery	†	†	†	#	#	†	†
No seasonal delivery	0.739	0.660	2.757	5.100	5.709	2.771	0.632
Drop point address type							
Drop point	4.685	3.571	†	†	†	†	3.178
Not a drop point	0.763	0.669	2.770	5.076	5.752	2.812	0.663
Census region							
Northeast	1.737	1.422	7.571	13.183	14.360	7.504	1.627
South	1.178	1.084	4.486	7.618	11.329	4.500	1.054
Midwest	1.661	1.723	5.142	8.627	6.181	4.920	1.531
West	1.333	1.345	7.111	20.299	9.733	7.008	1.263
Race/ethnicity stratum							
25% or more Black	1.507	1.389	5.514	8.588	4.106	5.908	1.469
40% or more Hispanic	1.646	1.350	6.101	21.280	11.583	6.185	1.595
Other	0.876	0.908	3.106	6.087	6.918	3.202	0.732
Tract poverty rate							
20 percent or higher	1.474	1.372	5.912	9.477	2.781	5.872	1.288
Below 20 percent	0.770	0.798	2.976	5.792	8.077	3.103	0.711

See notes at end of table.

Table F.15 Standard errors for Table 2.2.7: ECPP overall response rate (percentage), by experimental condition and selected household characteristics: 2019—Continued

Selected household characteristics	All cases			Paper-sensitive cases		Non-paper-sensitive cases	
	Modeled-mode condition	Baseline web-push condition	Random paper-only condition	Paper-only protocol	Web-push protocol	Paper-only protocol	Web-push protocol
Extent of missing frame information							
High	1.486	1.678	6.824	14.875	15.518	6.753	1.480
Medium	1.144	1.067	4.602	12.542	15.507	4.580	1.054
Low	1.230	0.899	4.021	6.262	3.389	4.065	1.087
Census Low Response Score							
First quartile (low)	1.416	1.471	5.615	10.517	8.700	5.865	1.307
Second quartile	1.346	1.302	3.974	8.625	11.084	4.035	1.222
Third quartile	1.163	1.471	6.166	6.448	5.206	5.844	1.173
Fourth quartile (high)	1.313	1.223	5.303	15.026	6.245	5.579	1.284
Percent of persons in block group without a high school diploma							
First quartile (low)	1.126	1.097	4.773	15.719	14.314	4.629	1.101
Second quartile	1.476	1.209	4.849	9.424	13.439	5.230	1.403
Third quartile	1.576	1.720	4.989	8.300	11.934	4.755	1.380
Fourth quartile (high)	1.492	1.457	5.690	8.621	4.995	5.619	1.238
Percent of persons in block group who are Black							
First quartile (low)	1.672	1.507	4.253	9.157	4.165	4.581	1.506
Second quartile	1.545	1.381	4.431	12.555	10.378	4.425	1.396
Third quartile	1.330	1.295	5.525	11.621	†	5.228	1.284
Fourth quartile (high)	1.558	1.528	5.407	6.802	3.486	5.601	1.442

See notes at end of table.

Table F.15 Standard errors for Table 2.2.7: ECPP overall response rate (percentage), by experimental condition and selected household characteristics: 2019—Continued

Selected household characteristics	All cases			Paper-sensitive cases		Non-paper-sensitive cases	
	ECPP overall response rate			ECPP overall response rate		ECPP overall response rate	
	Modeled-mode condition	Baseline web-push condition	Random paper-only condition	Paper-only protocol	Web-push protocol	Paper-only protocol	Web-push protocol
Percent of persons in block group speaking a non-English language							
First quartile (low)	1.595	1.791	5.237	7.371	7.996	5.326	1.413
Second quartile	1.480	1.157	4.592	10.956	7.497	4.670	1.327
Third quartile	1.315	1.367	5.923	15.915	11.042	5.797	1.158
Fourth quartile (high)	1.354	1.219	5.187	12.864	10.531	5.185	1.347
Bilingual screener mailed							
Yes	0.803	0.669	3.233	7.415	4.163	3.314	0.709
No	1.570	1.615	4.956	6.986	9.304	4.906	1.591

† Not applicable.

Rounds to zero.

NOTE: ECPP is Early Childhood Program Participation topical survey.

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Household Education Surveys Program (NHES), 2019. U.S. Census Bureau, American Community Survey (ACS), 2013-2017.

Table F.16 Standard errors for Table 2.2.8: PFI overall response rate (percentage), by experimental condition and selected household characteristics: 2019

Selected household characteristics	All cases			Paper-sensitive cases		Non-paper-sensitive cases	
	Modeled-mode condition	Baseline web-push condition	Random paper-only condition	Paper-only protocol	Web-push protocol	Paper-only protocol	Web-push protocol
Gender of head of household							
Male	0.915	0.739	3.438	5.682	3.391	3.374	0.873
Female	1.163	0.850	4.160	4.556	2.670	4.459	1.063
Missing	0.829	1.101	2.892	7.672	3.516	2.985	0.785
Age of head of household							
18-34	1.955	1.809	5.583	9.453	4.139	5.492	1.981
35-44	1.078	0.964	4.159	9.351	3.857	4.277	1.007
45-54	1.043	1.235	3.641	5.114	4.900	3.775	1.073
55-65	1.672	1.738	3.469	5.829	3.561	3.553	1.595
Over 65	2.939	2.105	9.558	5.041	3.689	4.627	3.357
Missing	0.823	1.001	4.633	22.380	6.439	4.917	0.776
Marital status of head of household							
Single	1.197	1.217	5.223	5.975	2.643	5.559	1.087
Married	0.598	0.649	2.321	3.796	2.452	2.481	0.609
Missing	1.288	1.859	4.726	7.328	14.216	4.710	1.269
Race/ethnicity of head of household							
White	0.709	0.789	2.992	3.943	1.965	3.073	0.657
Black	1.694	1.866	6.145	8.449	3.185	6.234	1.674
Hispanic	1.253	1.158	4.785	6.224	3.707	4.813	1.236
Asian/Pacific Islander or Other	2.570	2.015	7.484	†	6.712	7.668	2.563
Missing	1.024	1.319	3.681	9.378	8.521	3.914	0.964

See notes at end of table.

Table F.16 Standard errors for Table 2.2.8: PFI overall response rate (percentage), by experimental condition and selected household characteristics: 2019—Continued

Selected household characteristics	All cases			Paper-sensitive cases		Non-paper-sensitive cases	
	Modeled-mode condition	Baseline web-push condition	Random paper-only condition	Paper-only protocol	Web-push protocol	Paper-only protocol	Web-push protocol
Highest education level of head household							
Less than high school							1.583
diploma	1.657	1.428	4.603	8.085	3.646	4.259	
High school diploma	1.407	1.239	5.265	5.086	2.901	5.587	1.272
Some college	1.010	1.258	4.148	6.376	4.300	4.175	0.974
Bachelor's degree	1.098	1.301	4.049	6.972	13.922	3.971	1.103
Graduate degree	1.920	1.286	4.849	4.272	6.649	4.744	1.925
Missing	1.087	1.436	3.700	10.126	6.498	3.972	1.021
Household income							
Less than \$25,000	1.383	1.472	7.534	6.688	4.052	7.525	1.280
\$25,000-\$49,999	1.484	1.298	4.187	6.154	1.561	4.083	1.356
\$50,000-\$74,999	1.542	1.356	5.643	9.940	6.879	5.517	1.564
\$75,000-\$99,999	1.247	2.037	4.264	5.754	5.692	4.268	1.280
\$100,000-\$149,999	1.165	1.139	4.294	8.160	5.857	4.065	1.239
\$150,000 or more	1.479	1.453	5.020	17.821	3.155	5.035	1.521
Missing	1.457	1.750	5.307	8.247	6.835	6.148	1.385
Home tenure							
Own	0.550	0.589	2.152	3.246	1.637	2.241	0.560
Rent	1.229	1.328	5.995	10.291	4.243	6.103	1.207
Missing	1.302	1.671	5.576	12.965	†	5.714	1.298
Number of adults in household							
1	0.780	0.903	3.596	6.164	4.115	3.585	0.754
2	0.700	0.890	3.096	5.362	2.398	3.344	0.679
3	2.111	1.824	7.966	8.114	4.651	8.692	2.111
4 or more	3.663	3.294	13.557	10.676	5.423	24.913	4.049
Missing	1.454	1.809	5.332	8.247	6.835	6.181	1.385

See notes at end of table.

Table F.16 Standard errors for Table 2.2.8: PFI overall response rate (percentage), by experimental condition and selected household characteristics: 2019—Continued

Selected household characteristics	All cases			Paper-sensitive cases		Non-paper-sensitive cases	
	Modeled-mode condition	Baseline web-push condition	Random paper-only condition	Paper-only protocol	Web-push protocol	Paper-only protocol	Web-push protocol
Household flagged as having children							
Yes	0.865	0.884	2.510	5.610	2.776	2.716	0.885
No	0.649	0.683	2.936	4.033	2.328	3.007	0.568
Ability to match address to phone number							
Phone number available	0.689	0.601	2.623	3.838	1.746	2.828	0.663
No phone number available	0.946	1.052	2.948	6.602	4.254	3.000	0.977
Route type							
Street	0.483	0.583	2.121	3.259	1.579	2.245	0.468
P.O. box	5.926	12.680	†	†	†	†	6.065
Rural route	†	†	†	†	†	†	†
High rise	1.507	1.203	4.055	†	8.942	3.913	1.423
Dwelling type							
Single unit	0.505	0.572	2.161	3.255	1.585	2.294	0.485
Multi-unit	1.312	1.449	3.864	†	7.703	3.766	1.247
Missing	5.926	12.680	†	†	†	†	6.065
Vacancy status							
Flagged as vacant	4.102	6.000	†	†	†	†	4.104
Not flagged as vacant	0.448	0.518	2.089	3.341	1.554	2.194	0.425

See notes at end of table.

Table F.16 Standard errors for Table 2.2.8: PFI overall response rate (percentage), by experimental condition and selected household characteristics: 2019—Continued

Selected household characteristics	All cases			Paper-sensitive cases		Non-paper-sensitive cases	
	Modeled-mode condition	Baseline web-push condition	Random paper-only condition	Paper-only protocol	Web-push protocol	Paper-only protocol	Web-push protocol
Seasonal address type							
Seasonal or educational seasonal delivery	†	†	†	#	#	†	†
No seasonal delivery	0.454	0.522	2.079	3.343	1.545	2.188	0.426
Drop point address type							
Drop point	3.684	3.978	†	16.209	14.039	†	3.440
Not a drop point	0.473	0.538	2.098	3.403	1.606	2.206	0.442
Census region							
Northeast	1.164	1.312	3.857	7.097	4.230	4.012	1.215
South	0.869	0.769	3.160	4.899	3.116	3.185	0.810
Midwest	1.226	1.206	6.043	5.577	3.172	6.716	1.088
West	1.270	1.119	3.431	10.652	4.113	3.308	1.224
Race/ethnicity stratum							
25% or more Black	1.342	1.094	3.995	8.180	4.546	3.918	1.291
40% or more Hispanic	1.209	1.162	3.190	6.688	8.860	3.232	1.177
Other	0.569	0.689	2.678	3.815	1.599	2.812	0.552
Tract poverty rate							
20 percent or higher	0.998	1.064	4.337	5.059	3.730	4.540	0.955
Below 20 percent	0.546	0.558	2.239	4.088	1.907	2.304	0.500

See notes at end of table.

Table F.16 Standard errors for Table 2.2.8: PFI overall response rate (percentage), by experimental condition and selected household characteristics: 2019—Continued

Selected household characteristics	All cases			Paper-sensitive cases		Non-paper-sensitive cases	
	Modeled-mode condition	Baseline web-push condition	Random paper-only condition	Paper-only protocol	Web-push protocol	Paper-only protocol	Web-push protocol
Extent of missing frame information							
High	1.135	1.516	4.228	8.122	6.868	4.649	1.097
Medium	0.829	1.120	4.367	6.629	5.915	4.417	0.792
Low	0.725	0.704	2.587	3.843	1.840	2.807	0.745
Census Low Response Score							
First quartile (low)	0.807	1.078	3.215	5.356	2.313	3.452	0.844
Second quartile	1.043	0.894	4.588	5.298	2.927	4.614	0.935
Third quartile	1.146	0.988	4.369	7.377	5.190	4.469	1.003
Fourth quartile (high)	1.011	1.040	3.409	5.945	4.705	3.478	1.034
Percent of persons in block group without a high school diploma							
First quartile (low)	0.894	0.888	4.069	8.921	5.474	4.062	0.890
Second quartile	1.060	1.181	3.729	5.667	3.723	3.665	1.028
Third quartile	1.365	1.048	5.018	6.568	2.401	5.249	1.096
Fourth quartile (high)	0.836	1.113	3.694	4.464	3.589	3.707	0.850
Percent of persons in block group who are Black							
First quartile (low)	1.022	1.156	4.074	5.787	2.945	4.142	0.906
Second quartile	0.940	1.207	3.022	5.958	3.054	2.973	0.951
Third quartile	1.030	0.936	3.558	6.244	3.563	3.524	1.030
Fourth quartile (high)	1.235	1.090	3.886	6.486	3.900	3.916	1.176

See notes at end of table.

Table F.16 Standard errors for Table 2.2.8: PFI overall response rate (percentage), by experimental condition and selected household characteristics: 2019—Continued

Selected household characteristics	All cases			Paper-sensitive cases		Non-paper-sensitive cases	
	ECPP overall response rate			ECPP overall response rate		ECPP overall response rate	
	Modeled-mode condition	Baseline web-push condition	Random paper-only condition	Paper-only protocol	Web-push protocol	Paper-only protocol	Web-push protocol
Percent of persons in block group speaking a non-English language							
First quartile (low)	1.108	1.215	4.463	4.351	2.221	4.504	1.060
Second quartile	1.024	1.163	4.050	7.775	2.469	4.241	0.929
Third quartile	1.083	1.170	4.224	9.325	5.287	4.213	1.083
Fourth quartile (high)	0.989	1.158	3.009	11.280	7.936	3.106	0.958
Bilingual screener mailed							
Yes	0.598	0.578	2.440	4.129	2.511	2.449	0.578
No	1.058	1.201	4.392	4.777	2.457	4.882	0.933

† Not applicable.

Rounds to zero.

NOTE: PFI is Parent and Family Involvement topical survey.

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Household Education Surveys Program (NHES), 2019. U.S. Census Bureau, American Community Survey (ACS), 2013-2017.

Table F.17 Standard errors for Table 3.1.1: Screener response rate (percentage), by advance mailing condition and response mode: 2019

Response mode	Screener response rate		
	Advance mailing campaign	Advance letter only	No advance mailings
Overall	0.387	0.349	0.366
Web	0.370	0.332	0.343
Paper	0.239	0.246	0.230
Inbound telephone	0.126	0.139	0.129

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Household Education Surveys Program (NHES), 2019.

Table F.18 Standard errors for Table 3.1.2: Percentage point gain in screener response rate after each mailing, by advance mailing condition, mailing, and response mode: 2019

Mailing and response mode	Percentage point gain in screener response		
	Advance mailing campaign	Advance letter only	No advance mailings
Initial screener package			
Overall	0.288	0.281	0.258
Web	0.303	0.270	0.253
Paper	†	†	†
Inbound telephone	0.075	0.063	0.064
Pressure-sealed envelope			
Overall	0.259	0.246	0.268
Web	0.246	0.236	0.257
Paper	†	†	†
Inbound telephone	0.101	0.098	0.095
Second screener package			
Overall	0.164	0.138	0.168
Web	0.163	0.133	0.158
Paper	†	†	†
Inbound telephone	0.043	0.044	0.056
Third screener package			
Overall	0.234	0.175	0.199
Web	0.064	0.051	0.060
Paper	0.224	0.175	0.201
Inbound telephone	0.048	0.042	0.043
Fourth screener package			
Overall	0.136	0.185	0.165
Web	0.025	0.030	0.034
Paper	0.140	0.186	0.160
Inbound telephone	0.026	0.031	0.028

† Not applicable.

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Household Education Surveys Program (NHES), 2019.

Table F.19 Standard errors for Table 3.1.3: Screener response rate (percentage), by advance mailing condition and selected household characteristics: 2019

Selected household characteristics	Screener response rate		
	Advance mailing campaign	Advance letter only	No advance mailings
Gender of head of household			
Male	0.571	0.606	0.571
Female	0.582	0.626	0.644
Missing	0.671	0.610	0.601
Age of head of household			
18-34	1.119	1.354	1.228
35-44	0.980	1.047	0.916
45-54	0.969	1.025	0.919
55-65	0.783	0.743	0.745
Over 65	0.769	0.669	0.694
Missing	0.676	0.642	0.653
Marital status of head of household			
Single	0.547	0.583	0.750
Married	0.455	0.426	0.472
Missing	0.895	0.874	0.868
Race/ethnicity of head of household			
White	0.520	0.427	0.483
Black	1.119	1.138	1.093
Hispanic	1.035	0.989	0.883
Asian/Pacific Islander or Other	1.712	1.539	1.477
Missing	0.765	0.687	0.732
Highest education level of head household			
Less than high school diploma	1.104	1.090	1.030
High school diploma	0.768	0.793	0.726
Some college	0.762	0.730	0.761
Bachelor's degree	0.883	0.838	0.696
Graduate degree	0.987	1.066	0.875
Missing	0.835	0.739	0.766
Household income			
Less than \$25,000	0.941	0.867	0.759
\$25,000-\$49,999	0.771	0.679	0.797
\$50,000-\$74,999	0.956	0.926	0.897
\$75,000-\$99,999	1.100	0.886	0.871
\$100,000-\$149,999	0.895	1.014	0.960
\$150,000 or more	1.020	1.149	0.943
Missing	0.983	0.948	0.941
Home tenure			
Own	0.456	0.413	0.431
Rent	0.834	0.668	0.757
Missing	1.029	0.887	0.927

See notes at end of table.

Table F.19 Standard errors for Table 3.1.3: Screener response rate (percentage), by advance mailing condition and selected household characteristics: 2019—Continued

Selected household characteristics	Screener response rate		
	Advance mailing campaign	Advance letter only	No advance mailings
Number of adults in household			
1	0.537	0.481	0.598
2	0.645	0.500	0.607
3	1.092	1.003	1.207
4 or more	1.771	2.193	2.213
Missing	0.988	0.961	0.938
Household flagged as having children			
Yes	0.794	0.708	0.770
No	0.407	0.398	0.408
Ability to match address to phone number			
Phone number available	0.454	0.377	0.443
No phone number available	0.588	0.666	0.550
Route type			
Street	0.422	0.381	0.426
P.O. box	4.104	3.910	4.667
Rural route	†	†	†
High rise	0.835	0.833	0.758
Dwelling type			
Single unit	0.434	0.374	0.429
Multi-unit	0.736	0.771	0.737
Missing	4.104	3.910	4.667
Vacancy status			
Flagged as vacant	3.233	2.972	3.377
Not flagged as vacant	0.391	0.341	0.376
Seasonal address type			
Seasonal or educational seasonal delivery	3.651	3.225	4.390
No seasonal delivery	0.384	0.351	0.367
Drop point address type			
Drop point	2.618	2.640	3.085
Not a drop point	0.393	0.348	0.373
Census region			
Northeast	0.797	0.761	0.819
South	0.558	0.576	0.552
Midwest	0.705	0.672	0.761
West	0.765	0.822	0.724
Race/ethnicity stratum			
25% or more Black	0.730	0.710	0.842
40% or more Hispanic	0.934	0.862	0.788
Other	0.448	0.419	0.432
Tract poverty rate			
20 percent or higher	0.670	0.610	0.755
Below 20 percent	0.448	0.413	0.431

See notes at end of table.

Table F.19 Standard errors for Table 3.1.3: Screener response rate (percentage), by advance mailing condition and selected household characteristics: 2019—Continued

Selected household characteristics	Screener response rate		
	Advance mailing campaign	Advance letter only	No advance mailings
Extent of missing frame information			
High	0.836	0.819	0.838
Medium	0.665	0.593	0.639
Low	0.437	0.445	0.491
Census Low Response Score			
First quartile (low)	0.667	0.608	0.696
Second quartile	0.680	0.668	0.756
Third quartile	0.769	0.704	0.681
Fourth quartile (high)	0.742	0.663	0.761
Percent of persons in block group without a high school diploma			
First quartile (low)	0.584	0.734	0.645
Second quartile	0.643	0.726	0.665
Third quartile	0.775	0.624	0.718
Fourth quartile (high)	0.806	0.681	0.672
Percent of persons in block group who are Black			
First quartile (low)	0.657	0.659	0.739
Second quartile	0.762	0.603	0.637
Third quartile	0.658	0.668	0.736
Fourth quartile (high)	0.788	0.781	0.760
Percent of persons in block group speaking a non-English language			
First quartile (low)	0.684	0.660	0.676
Second quartile	0.671	0.659	0.648
Third quartile	0.702	0.763	0.658
Fourth quartile (high)	0.755	0.695	0.702
Bilingual screener mailed			
Yes	0.422	0.404	0.419
No	0.638	0.620	0.662

† Not applicable.

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Household Education Surveys Program (NHES), 2019. U.S. Census Bureau, American Community Survey (ACS), 2013-2017.

Table F.20 Standard errors for Table 3.1.4: Percentage of screener respondents who reported at least one child eligible for the topical surveys, by advance mailing condition and questionnaire: 2019

Questionnaire	Percentage reporting at least one eligible child		
	Advance mailing campaign	Advance letter only	No advance mailings
Overall	0.460	0.393	0.373
ECPP	0.239	0.263	0.252
PFI	0.426	0.379	0.361

NOTE: ECPP is Early Childhood Program Participation topical survey. PFI is Parent and Family Involvement topical survey.

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Household Education Surveys Program (NHES), 2019.

Table F.21 Standard errors for Table 3.1.5: Topical response rate (percentage), by advance mailing condition, questionnaire, and response mode: 2019

Questionnaire and response mode	Topical response rate		
	Advance mailing campaign	Advance letter only	No advance mailings
ECPP			
Overall	1.119	1.183	1.979
Web	0.951	0.925	1.108
Paper	3.528	3.681	5.929
Inbound telephone	†	†	†
PFI			
Overall	1.194	0.933	0.944
Web	0.847	0.824	1.015
Paper	3.455	2.510	2.544
Inbound telephone	5.966	†	3.734

† Not applicable.

NOTE: ECPP is Early Childhood Program Participation topical survey. PFI is Parent and Family Involvement topical survey.

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Household Education Surveys Program (NHES), 2019.

Table F.22 Standard errors for Table 3.1.6: Overall response rate (percentage), by advance mailing condition, questionnaire, and response mode: 2019

Questionnaire and response mode	Overall response rate		
	Advance mailing campaign	Advance letter only	No advance mailings
ECPP			
Overall	0.754	0.732	1.163
Web	0.527	0.453	0.529
Paper	0.574	0.559	0.965
Inbound telephone	0.477	0.247	0.129
PFI			
Overall	0.818	0.547	0.650
Web	0.526	0.367	0.494
Paper	0.530	0.416	0.457
Inbound telephone	0.257	0.376	0.175

† Not applicable.

NOTE: ECPP is Early Childhood Program Participation topical survey. PFI is Parent and Family Involvement topical survey.

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Household Education Surveys Program (NHES), 2019.

Table F.23 Standard errors for Table 3.1.7: ECPP overall response rate (percentage), by advance mailing condition and selected household characteristics: 2019

Selected household characteristics	Screener response rate		
	Advance mailing campaign	Advance letter only	No advance mailings
Gender of head of household			
Male	1.251	1.270	1.400
Female	1.510	1.257	2.847
Missing	1.244	1.255	1.162
Age of head of household			
18-34	1.759	1.608	2.033
35-44	1.419	1.455	1.532
45-54	2.141	2.619	2.846
55-65	2.748	2.629	3.156
Over 65	6.149	3.445	5.617
Missing	1.088	1.210	1.875
Marital status of head of household			
Single	1.277	1.421	1.637
Married	1.026	0.890	1.890
Missing	1.218	2.218	1.632
Race/ethnicity of head of household			
White	1.117	0.999	2.057
Black	2.661	2.468	1.782
Hispanic	1.840	1.766	1.426
Asian/Pacific Islander or Other	3.480	2.864	4.206
Missing	1.506	1.722	1.648
Highest education level of head household			
Less than high school diploma	2.308	1.852	1.573
High school diploma	2.401	1.841	2.327
Some college	1.543	1.196	3.467
Bachelor's degree	1.513	1.675	2.128
Graduate degree	2.343	2.775	2.675
Missing	1.430	1.864	1.614
Household income			
Less than \$25,000	1.693	2.332	1.860
\$25,000-\$49,999	1.845	1.458	1.858
\$50,000-\$74,999	2.170	2.320	1.862
\$75,000-\$99,999	2.194	1.611	3.267
\$100,000-\$149,999	1.989	2.107	4.068
\$150,000 or more	2.365	2.936	2.612
Missing	1.901	2.368	1.800
Home tenure			
Own	1.012	0.901	1.061
Rent	1.521	1.256	1.674
Missing	1.774	2.129	3.819

See notes at end of table.

Table F.23 Standard errors for Table 3.1.7: ECPP overall response rate (percentage), by advance mailing condition and selected household characteristics: 2019—Continued

Selected household characteristics	Screener response rate		
	Advance mailing campaign	Advance letter only	No advance mailings
Number of adults in household			
1	0.987	1.008	1.681
2	1.506	1.302	1.204
3	5.084	5.077	5.254
4 or more	7.085	7.406	13.043
Missing	1.834	2.390	1.864
Household flagged as having children			
Yes	1.545	1.364	1.834
No	0.868	0.904	1.221
Ability to match address to phone number			
Phone number available	1.047	0.960	1.143
No phone number available	1.117	1.218	1.812
Route type			
Street	0.825	0.831	1.355
P.O. box	9.458	3.910	†
Rural route	†	†	†
High rise	1.663	1.789	1.972
Dwelling type			
Single unit	0.793	0.829	1.393
Multi-unit	1.584	1.661	1.845
Missing	9.458	3.910	†
Vacancy status			
Flagged as vacant	5.753	4.640	5.035
Not flagged as vacant	0.743	0.729	1.170
Seasonal address type			
Seasonal or educational seasonal delivery	†	†	†
No seasonal delivery	0.751	0.732	1.163
Drop point address type			
Drop point	2.618	7.970	10.462
Not a drop point	0.775	0.719	1.178
Census region			
Northeast	1.482	1.911	2.058
South	1.527	1.283	1.100
Midwest	1.728	1.416	2.019
West	1.218	1.902	3.003
Race/ethnicity stratum			
25% or more Black	2.070	1.605	1.827
40% or more Hispanic	1.342	1.938	1.642
Other	0.909	0.853	1.589
Tract poverty rate			
20 percent or higher	1.455	1.615	1.556
Below 20 percent	0.858	0.855	1.490

See notes at end of table.

Table F.23 Standard errors for Table 3.1.7: ECPP overall response rate (percentage), by advance mailing condition and selected household characteristics: 2019—Continued

Selected household characteristics	Screener response rate		
	Advance mailing campaign	Advance letter only	No advance mailings
Extent of missing frame information			
High	1.402	2.042	1.683
Medium	1.324	1.160	2.081
Low	1.301	1.033	1.162
Census Low Response Score			
First quartile (low)	1.382	1.348	3.516
Second quartile	1.450	1.427	1.611
Third quartile	1.520	1.581	1.741
Fourth quartile (high)	1.483	1.651	1.384
Percent of persons in block group without a high school diploma			
First quartile (low)	1.349	1.309	2.845
Second quartile	1.568	1.499	1.331
Third quartile	1.522	1.717	1.735
Fourth quartile (high)	1.398	1.775	1.517
Percent of persons in block group who are Black			
First quartile (low)	1.509	1.710	2.955
Second quartile	1.426	1.348	1.093
Third quartile	1.560	1.497	1.802
Fourth quartile (high)	1.868	1.276	1.553
Percent of persons in block group speaking a non-English language			
First quartile (low)	1.774	1.708	1.526
Second quartile	1.760	1.575	2.791
Third quartile	1.445	1.663	1.679
Fourth quartile (high)	1.244	1.395	1.541
Bilingual screener mailed			
Yes	0.948	0.883	1.316
No	1.454	1.327	1.539

† Not applicable.

NOTE: ECPP is Early Childhood Program Participation topical survey.

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Household Education Surveys Program (NHES), 2019. U.S. Census Bureau, American Community Survey (ACS), 2013-2017.

Table F.24 Standard errors for Table 3.1.8: PFI overall response rate (percentage), by advance mailing condition and selected household characteristics: 2019

Selected household characteristics	Screener response rate		
	Advance mailing campaign	Advance letter only	No advance mailings
Gender of head of household			
Male	1.164	1.156	1.091
Female	1.088	1.159	1.046
Missing	1.568	0.861	1.144
Age of head of household			
18-34	1.407	2.200	2.357
35-44	1.398	1.512	1.064
45-54	1.303	1.278	1.096
55-65	1.705	1.913	2.554
Over 65	2.612	3.009	2.852
Missing	1.754	1.098	1.304
Marital status of head of household			
Single	1.653	1.109	1.364
Married	0.865	0.857	0.702
Missing	2.007	1.434	2.244
Race/ethnicity of head of household			
White	0.938	1.032	0.766
Black	2.332	1.865	2.233
Hispanic	1.653	1.357	1.444
Asian/Pacific Islander or Other	2.438	2.408	2.123
Missing	2.047	1.288	1.502
Highest education level of head household			
Less than high school diploma	1.612	1.623	1.552
High school diploma	1.431	1.321	1.291
Some college	1.328	1.421	1.494
Bachelor's degree	1.318	1.827	1.266
Graduate degree	2.370	1.919	1.697
Missing	2.225	1.256	1.615
Household income			
Less than \$25,000	2.006	1.189	1.621
\$25,000-\$49,999	1.788	1.709	1.718
\$50,000-\$74,999	2.088	1.917	1.891
\$75,000-\$99,999	1.443	1.982	1.851
\$100,000-\$149,999	1.573	1.926	1.360
\$150,000 or more	2.199	2.022	1.632
Missing	2.210	1.578	2.134
Home tenure			
Own	0.886	0.764	0.728
Rent	1.380	1.222	1.178
Missing	2.420	1.393	2.173

See notes at end of table.

Table F.24 Standard errors for Table 3.1.8: PFI overall response rate (percentage), by advance mailing condition and selected household characteristics: 2019–Continued

Selected household characteristics	Screener response rate		
	Advance mailing campaign	Advance letter only	No advance mailings
Number of adults in household			
1	1.144	0.802	1.117
2	0.990	0.959	0.950
3	3.457	3.029	2.246
4 or more	4.392	5.516	3.192
Missing	2.224	1.596	2.157
Household flagged as having children			
Yes	1.125	1.037	1.166
No	1.042	0.674	0.810
Ability to match address to phone number			
Phone number available	0.823	0.710	0.777
No phone number available	1.314	0.909	1.041
Route type			
Street	0.751	0.629	0.657
P.O. box	4.104	9.739	11.557
Rural route	†	†	†
High rise	2.266	1.262	2.333
Dwelling type			
Single unit	0.766	0.596	0.659
Multi-unit	1.978	1.405	2.114
Missing	4.104	9.739	11.557
Vacancy status			
Flagged as vacant	7.199	7.511	7.332
Not flagged as vacant	0.797	0.557	0.652
Seasonal address type			
Seasonal or educational seasonal delivery	16.516	3.225	†
No seasonal delivery	0.819	0.548	0.649
Drop point address type			
Drop point	2.921	5.482	3.947
Not a drop point	0.833	0.538	0.658
Census region			
Northeast	1.626	1.993	1.357
South	1.214	0.921	0.993
Midwest	1.352	1.530	1.689
West	2.023	1.031	1.307
Race/ethnicity stratum			
25% or more Black	1.593	1.488	1.773
40% or more Hispanic	1.701	1.332	1.499
Other	0.945	0.732	0.729
Tract poverty rate			
20 percent or higher	1.245	1.015	1.325
Below 20 percent	0.902	0.715	0.669

See notes at end of table.

Table F.24 Standard errors for Table 3.1.8: PFI overall response rate (percentage), by advance mailing condition and selected household characteristics: 2019—Continued

Selected household characteristics	Screener response rate		
	Advance mailing campaign	Advance letter only	No advance mailings
Extent of missing frame information			
High	2.409	1.446	1.766
Medium	1.227	0.968	1.228
Low	0.865	0.852	0.824
Census Low Response Score			
First quartile (low)	1.592	1.121	1.229
Second quartile	1.351	1.071	1.051
Third quartile	1.488	1.533	1.384
Fourth quartile (high)	1.604	1.001	1.447
Percent of persons in block group without a high school diploma			
First quartile (low)	1.508	1.187	1.214
Second quartile	1.299	1.249	1.265
Third quartile	1.365	1.233	1.308
Fourth quartile (high)	1.503	1.027	1.359
Percent of persons in block group who are Black			
First quartile (low)	1.610	1.236	1.239
Second quartile	1.340	1.069	1.393
Third quartile	1.564	1.059	0.953
Fourth quartile (high)	1.604	1.454	1.477
Percent of persons in block group speaking a non-English language			
First quartile (low)	1.305	1.253	1.415
Second quartile	1.364	1.326	1.324
Third quartile	1.558	1.003	1.460
Fourth quartile (high)	1.195	1.108	1.002
Bilingual screener mailed			
Yes	0.944	0.574	0.754
No	1.277	1.360	1.253

† Not applicable.

NOTE: PFI is Parent and Family Involvement topical survey.

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Household Education Surveys Program (NHES), 2019. U.S. Census Bureau, American Community Survey (ACS), 2013-2017.

Table F.25 Standard errors for Table 3.2.1: Percentage point gain in screener response rate after each mailing, by reminder condition, mailing, and response mode: 2019

Mailing and response mode	Percentage point gain in screener response rate	
	Pressure-sealed envelope	Reminder postcard
Initial mailing		
Overall	0.281	0.220
Web	0.270	0.218
Paper	†	†
Inbound telephone	0.063	0.058
Reminder postcard/Pressure-sealed envelope		
Overall	0.246	0.187
Web	0.236	0.172
Paper	0.016	0.009
Inbound telephone	0.098	0.082

† Not applicable.

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Household Education Surveys Program (NHES), 2019.

Table F.26 Standard errors for Table 3.2.2: Screener response rate (percentage) after reminder mailing, by reminder condition and selected household characteristics: 2019

Selected household characteristics	Screener response rate after second mailing	
	Pressure-sealed envelope	Reminder postcard
Overall	0.356	0.240
Gender of head of household		
Male	0.562	0.444
Female	0.690	0.445
Missing	0.625	0.414
Age of head of household		
18-34	1.310	0.859
35-44	0.870	0.721
45-54	1.016	0.657
55-65	0.872	0.565
Over 65	0.817	0.693
Missing	0.597	0.430
Marital status of head of household		
Single	0.529	0.463
Married	0.503	0.366
Missing	0.814	0.585
Race/ethnicity of head of household		
White	0.457	0.359
Black	0.981	0.721
Hispanic	0.936	0.654
Asian/Pacific Islander or Other	1.412	1.308
Missing	0.674	0.436
Highest education level of head household		
Less than high school diploma	0.931	0.651
High school diploma	0.842	0.518
Some college	0.724	0.584
Bachelor's degree	0.915	0.757
Graduate degree	1.243	0.911
Missing	0.721	0.475
Household income		
Less than \$25,000	0.804	0.627
\$25,000-\$49,999	0.724	0.549
\$50,000-\$74,999	0.804	0.679
\$75,000-\$99,999	0.855	0.834
\$100,000-\$149,999	1.021	0.700
\$150,000 or more	1.349	0.811
Missing	0.828	0.582
Home tenure		
Own	0.444	0.350
Rent	0.631	0.518
Missing	0.716	0.546

See notes at end of table.

Table F.26 Standard errors for Table 3.2.2: Screener response rate (percentage) after reminder mailing, by reminder condition and selected household characteristics: 2019–Continued

Selected household characteristics	Screener response rate after second mailing	
	Pressure-sealed envelope	Reminder postcard
Number of adults in household		
1	0.510	0.351
2	0.640	0.474
3	1.208	0.857
4 or more	2.289	1.480
Missing	0.833	0.580
Household flagged as having children		
Yes	0.751	0.581
No	0.388	0.255
Ability to match address to phone number		
Phone number available	0.407	0.322
No phone number available	0.640	0.407
Route type		
Street	0.405	0.297
P.O. box	3.833	2.770
Rural route	†	†
High rise	0.744	0.415
Dwelling type		
Single unit	0.401	0.308
Multi-unit	0.719	0.385
Missing	3.833	2.770
Vacancy status		
Flagged as vacant	2.543	1.880
Not flagged as vacant	0.362	0.242
Seasonal address type		
Seasonal or educational seasonal delivery	4.110	3.836
No seasonal delivery	0.356	0.233
Drop point address type		
Drop point	2.282	1.766
Not a drop point	0.358	0.234
Census region		
Northeast	0.778	0.609
South	0.560	0.376
Midwest	0.730	0.599
West	0.695	0.548
Race/ethnicity stratum		
25% or more Black	0.702	0.494
40% or more Hispanic	0.749	0.540
Other	0.438	0.302
Tract poverty rate		
20 percent or higher	0.670	0.379
Below 20 percent	0.424	0.283

See notes at end of table.

Table F.26 Standard errors for Table 3.2.2: Screener response rate (percentage) after reminder mailing, by reminder condition and selected household characteristics: 2019–Continued

Selected household characteristics	Screener response rate after second mailing	
	Pressure-sealed envelope	Reminder postcard
Extent of missing frame information		
High	0.753	0.530
Medium	0.561	0.438
Low	0.467	0.392
Census Low Response Score		
First quartile (low)	0.631	0.522
Second quartile	0.620	0.451
Third quartile	0.640	0.512
Fourth quartile (high)	0.607	0.420
Percent of persons in block group without a high school diploma		
First quartile (low)	0.777	0.471
Second quartile	0.713	0.476
Third quartile	0.654	0.467
Fourth quartile (high)	0.613	0.442
Percent of persons in block group who are Black		
First quartile (low)	0.742	0.564
Second quartile	0.661	0.474
Third quartile	0.668	0.482
Fourth quartile (high)	0.654	0.485
Percent of persons in block group speaking a non-English language		
First quartile (low)	0.695	0.479
Second quartile	0.684	0.517
Third quartile	0.697	0.480
Fourth quartile (high)	0.616	0.437
Bilingual screener mailed		
Yes	0.419	0.283
No	0.601	0.510

† Not applicable.

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Household Education Surveys Program (NHES), 2019. U.S. Census Bureau, American Community Survey (ACS), 2013-2017.

Table F.27 Standard errors for Table 3.3.1: Screener response rate (percentage), by FedEx condition and response mode: 2019

Response mode	Screener response rate			
	Random FedEx 2nd	Random FedEx 3rd	Random FedEx 4th	Modeled FedEx
Overall	0.380	0.255	0.291	0.352
Web	0.341	0.266	0.330	0.367
Paper	0.239	0.212	0.273	0.238
Inbound telephone	0.145	0.115	0.128	0.133

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Household Education Surveys Program (NHES), 2019.

Table F.28 Standard errors for Table 3.3.2: Percentage point gain in screener response rate after each mailing, by FedEx condition, mailing, and response mode: 2019

Mailing and response mode	Percentage point gain in screener response rate			
	Random FedEx 2nd	Random FedEx 3rd	Random FedEx 4th	Modeled FedEx
Initial screener package				
Overall	0.270	0.213	0.288	0.280
Web	0.274	0.203	0.287	0.284
Paper	†	†	†	†
Inbound telephone	0.060	0.053	0.058	0.065
Reminder postcard/pressure-sealed envelope				
Overall	0.257	0.199	0.252	0.237
Web	0.258	0.177	0.229	0.234
Paper	0.018	0.010	0.012	0.018
Inbound telephone	0.083	0.092	0.092	0.087
Second screener package				
Overall	0.247	0.121	0.128	0.184
Web	0.231	0.121	0.121	0.173
Paper	†	0.01	†	†
Inbound telephone	0.080	0.040	0.038	0.063
Third screener package				
Overall	0.181	0.209	0.195	0.217
Web	0.057	0.040	0.064	0.064
Paper	0.180	0.198	0.191	0.200
Inbound telephone	0.036	0.047	0.037	0.040
Fourth screener package				
Overall	0.146	0.110	0.208	0.184
Web	0.035	0.022	0.034	0.029
Paper	0.134	0.107	0.203	0.172
Inbound telephone	0.025	0.018	0.040	0.032

† Not applicable.

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Household Education Surveys Program (NHES), 2019.

Table F.29 Standard errors for Table 3.3.3: Screener response rate (percentage), by FedEx condition and selected household characteristics: 2019

Selected household characteristics	Screener response rate after second mailing			
	Random FedEx 2nd	Random FedEx 3rd	Random FedEx 4th	Modeled FedEx
Gender of head of household				
Male	0.624	0.406	0.554	0.569
Female	0.631	0.464	0.591	0.630
Missing	0.528	0.415	0.532	0.587
Age of head of household				
18-34	1.115	0.965	1.200	1.290
35-44	1.002	0.749	0.861	0.916
45-54	1.020	0.645	0.837	1.003
55-65	0.799	0.574	0.769	0.738
Over 65	0.828	0.472	0.698	0.702
Missing	0.622	0.455	0.657	0.640
Marital status of head of household				
Single	0.692	0.512	0.532	0.648
Married	0.493	0.332	0.437	0.421
Missing	0.944	0.681	0.786	0.850
Race/ethnicity of head of household				
White	0.488	0.324	0.414	0.526
Black	0.816	0.870	1.033	1.155
Hispanic	1.156	0.831	1.035	0.972
Asian/Pacific Islander or Other	1.606	1.449	1.902	1.907
Missing	0.705	0.504	0.654	0.717
Highest education level of head household				
Less than high school diploma	1.220	0.798	1.106	1.072
High school diploma	0.716	0.493	0.718	0.774
Some college	0.768	0.647	0.691	0.726
Bachelor's degree	0.837	0.564	0.928	0.817
Graduate degree	1.040	0.715	1.082	1.046
Missing	0.727	0.510	0.685	0.769
Household income				
Less than \$25,000	0.946	0.700	0.787	0.880
\$25,000-\$49,999	0.766	0.518	0.643	0.772
\$50,000-\$74,999	0.835	0.636	0.981	0.897
\$75,000-\$99,999	1.038	0.709	0.926	0.884
\$100,000-\$149,999	0.975	0.686	1.002	1.007
\$150,000 or more	1.060	0.739	0.989	1.102
Missing	0.904	0.719	0.851	0.890
Home tenure				
Own	0.419	0.303	0.427	0.398
Rent	0.773	0.651	0.619	0.747
Missing	0.925	0.748	0.900	0.851

See notes at end of table.

Table F.29 Standard errors for Table 3.3.3: Screener response rate (percentage), by FedEx condition and selected household characteristics: 2019—Continued

Selected household characteristics	Screener response rate after second mailing			
	Random FedEx 2nd	Random FedEx 3rd	Random FedEx 4th	Modeled FedEx
Number of adults in household				
1	0.577	0.374	0.467	0.542
2	0.617	0.522	0.556	0.595
3	1.302	0.886	1.138	1.219
4 or more	2.164	1.556	1.692	2.030
Missing	0.916	0.719	0.847	0.887
Household flagged as having children				
Yes	0.757	0.547	0.691	0.759
No	0.437	0.270	0.322	0.383
Ability to match address to phone number				
Phone number available	0.438	0.283	0.385	0.415
No phone number available	0.585	0.466	0.581	0.596
Route type				
Street	0.413	0.269	0.351	0.393
P.O. box	†	†	†	†
Rural route	†	†	†	†
High rise	0.725	0.550	0.727	0.826
Dwelling type				
Single unit	0.420	0.273	0.375	0.393
Multi-unit	0.683	0.553	0.695	0.763
Missing	†	†	†	†
Vacancy status				
Flagged as vacant	3.537	2.745	2.969	3.402
Not flagged as vacant	0.383	0.259	0.297	0.353
Seasonal address type				
Seasonal or educational seasonal delivery	3.646	2.655	4.337	3.967
No seasonal delivery	0.377	0.252	0.297	0.349
Drop point address type				
Drop point	3.063	2.124	2.932	2.929
Not a drop point	0.381	0.257	0.301	0.356
Census region				
Northeast	0.891	0.559	0.726	0.815
South	0.606	0.434	0.479	0.553
Midwest	0.786	0.557	0.619	0.676
West	0.725	0.557	0.836	0.649
Race/ethnicity stratum				
25% or more Black	0.775	0.565	0.713	0.885
40% or more Hispanic	0.819	0.707	0.914	0.863
Other	0.463	0.314	0.366	0.406
Tract poverty rate				
20 percent or higher	0.610	0.501	0.625	0.735
Below 20 percent	0.450	0.282	0.359	0.376

See notes at end of table.

Table F.29 Standard errors for Table 3.3.3: Screener response rate (percentage), by FedEx condition and selected household characteristics: 2019—Continued

Selected household characteristics	Screener response rate after second mailing			
	Random FedEx 2nd	Random FedEx 3rd	Random FedEx 4th	Modeled FedEx
Extent of missing frame information				
High	0.766	0.576	0.809	0.815
Medium	0.612	0.483	0.625	0.604
Low	0.503	0.334	0.474	0.521
Census Low Response Score				
First quartile (low)	0.616	0.433	0.534	0.612
Second quartile	0.699	0.432	0.649	0.655
Third quartile	0.793	0.558	0.656	0.690
Fourth quartile (high)	0.741	0.583	0.682	0.802
Percent of persons in block group without a high school diploma				
First quartile (low)	0.652	0.413	0.568	0.650
Second quartile	0.590	0.446	0.717	0.654
Third quartile	0.683	0.580	0.607	0.736
Fourth quartile (high)	0.624	0.572	0.642	0.676
Percent of persons in block group who are Black				
First quartile (low)	0.706	0.520	0.618	0.621
Second quartile	0.740	0.469	0.654	0.596
Third quartile	0.628	0.519	0.663	0.661
Fourth quartile (high)	0.686	0.585	0.643	0.879
Percent of persons in block group speaking a non-English language				
First quartile (low)	0.651	0.482	0.626	0.714
Second quartile	0.696	0.470	0.700	0.743
Third quartile	0.691	0.461	0.641	0.682
Fourth quartile (high)	0.644	0.630	0.853	0.698
Bilingual screener mailed				
Yes	0.450	0.314	0.382	0.367
No	0.634	0.487	0.604	0.742
Paper sensitivity classification				
Paper sensitive	0.795	0.590	0.692	0.852
Not paper sensitive	0.383	0.270	0.319	0.392
Contiguous U.S.				
Yes	0.378	0.253	0.289	0.352
No	5.187	3.789	5.152	5.712

† Not applicable.

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Household Education Surveys Program (NHES), 2019. U.S. Census Bureau, American Community Survey (ACS), 2013-2017.

Table F.30 Standard errors for Table 3.3.4: Percentage of screener respondents who reported at least one child eligible for the topical surveys, by FedEx condition and questionnaire: 2019

Questionnaire	Percentage reporting at least one eligible child			
	Random FedEx 2nd	Random FedEx 3rd	Random FedEx 4th	Modeled FedEx
Overall	0.407	0.326	0.402	0.437
ECPP	0.279	0.226	0.249	0.287
PFI	0.365	0.293	0.396	0.376

NOTE: ECPP is Early Childhood Program Participation topical survey. PFI is Parent and Family Involvement topical survey.

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Household Education Surveys Program (NHES), 2019.

Table F.31 Standard errors for Table 3.3.5: Topical response rate (percentage), by FedEx condition, questionnaire, and response mode: 2019

Questionnaire and response mode	Topical response rate			
	Random FedEx 2nd	Random FedEx 3rd	Random FedEx 4th	Modeled FedEx
ECPP				
Overall	1.298	1.101	1.833	1.020
Web	1.042	0.983	1.069	0.901
Paper	4.442	2.376	4.456	3.920
Inbound telephone	†	†	†	†
PFI				
Overall	0.990	0.821	1.181	0.982
Web	0.984	0.800	0.883	0.796
Paper	2.948	1.876	2.475	2.749
Inbound telephone	5.683	6.061	†	7.433

† Not applicable.

NOTE: ECPP is Early Childhood Program Participation topical survey. PFI is Parent and Family Involvement topical survey.

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Household Education Surveys Program (NHES), 2019.

Table F.32 Standard errors for Table 3.3.6: Overall response rate (percentage), by FedEx condition, questionnaire, and response mode: 2019

Questionnaire and response mode	Overall response rate			
	Random FedEx 2nd	Random FedEx 3rd	Random FedEx 4th	Modeled FedEx
ECPP				
Overall	0.857	0.663	1.106	0.666
Web	0.560	0.400	0.437	0.522
Paper	0.566	0.514	0.835	0.619
Inbound telephone	0.145	0.176	0.224	0.352
PFI				
Overall	0.637	0.512	0.726	0.634
Web	0.519	0.334	0.451	0.452
Paper	0.390	0.390	0.475	0.427
Inbound telephone	0.306	0.274	0.200	0.304

NOTE: ECPP is Early Childhood Program Participation topical survey. PFI is Parent and Family Involvement topical survey.

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Household Education Surveys Program (NHES), 2019.

Table F.33 Standard errors for Table 3.3.7: ECPP overall response rate (percentage), by FedEx condition and selected household characteristics: 2019

Selected household characteristics	Screener response rate after second mailing			
	Random FedEx 2nd	Random FedEx 3rd	Random FedEx 4th	Modeled FedEx
Gender of head of household				
Male	1.288	1.109	1.360	1.494
Female	1.625	1.160	2.409	1.225
Missing	1.335	1.118	1.398	1.082
Age of head of household				
18-34	1.913	1.527	1.642	2.106
35-44	1.462	1.384	1.567	1.319
45-54	2.269	2.124	2.975	2.691
55-65	3.247	3.511	2.593	2.333
Over 65	6.689	2.892	3.625	3.285
Missing	1.216	1.090	1.796	1.032
Marital status of head of household				
Single	1.338	1.323	1.544	1.269
Married	1.234	0.891	1.609	0.967
Missing	2.050	1.993	2.096	1.211
Race/ethnicity of head of household				
White	1.257	1.167	1.954	1.114
Black	2.022	2.115	2.388	2.768
Hispanic	2.274	1.481	1.430	1.662
Asian/Pacific Islander or Other	3.671	2.351	4.270	3.412
Missing	1.933	1.499	2.042	1.465
Highest education level of head household				
Less than high school diploma	2.285	1.832	2.243	1.530
High school diploma	2.519	2.128	1.943	1.779
Some college	1.513	1.282	3.169	1.619
Bachelor's degree	1.484	1.887	1.643	1.943
Graduate degree	2.225	2.259	2.635	2.729
Missing	2.140	1.518	2.045	1.345
Household income				
Less than \$25,000	1.890	1.639	1.776	1.902
\$25,000-\$49,999	1.684	1.774	1.950	1.528
\$50,000-\$74,999	1.680	1.793	2.553	2.269
\$75,000-\$99,999	2.469	2.588	2.434	2.711
\$100,000-\$149,999	1.698	1.264	3.460	1.940
\$150,000 or more	3.150	2.280	3.027	1.850
Missing	2.450	1.813	2.619	1.740
Home tenure				
Own	1.151	0.831	1.033	0.909
Rent	1.367	1.382	1.483	1.359
Missing	2.000	1.821	3.686	1.252

See notes at end of table.

Table F.33 Standard errors for Table 3.3.7: ECPP overall response rate (percentage), by FedEx condition and selected household characteristics: 2019–Continued

Selected household characteristics	Screener response rate after second mailing			
	Random FedEx 2nd	Random FedEx 3rd	Random FedEx 4th	Modeled FedEx
Number of adults in household				
1	1.167	0.929	1.487	0.936
2	1.357	1.439	1.282	1.492
3	4.218	2.901	5.525	5.557
4 or more	9.518	7.949	12.992	6.847
Missing	2.485	1.824	2.649	1.659
Household flagged as having children				
Yes	1.620	1.484	1.820	1.523
No	0.961	0.797	1.169	0.780
Ability to match address to phone number				
Phone number available	1.147	0.944	1.111	0.840
No phone number available	0.947	0.908	1.713	1.143
Route type				
Street	1.033	0.739	1.245	0.776
P.O. box	†	†	†	†
Rural route	†	†	†	†
High rise	1.550	1.671	2.114	1.356
Dwelling type				
Single unit	1.066	0.769	1.260	0.771
Multi-unit	1.427	1.459	1.819	1.410
Missing	†	†	†	†
Vacancy status				
Flagged as vacant	4.980	2.745	2.969	5.751
Not flagged as vacant	0.869	0.671	1.112	0.676
Seasonal address type				
Seasonal or educational seasonal delivery	†	†	†	†
No seasonal delivery	0.855	0.662	1.103	0.662
Drop point address type				
Drop point	10.479	3.571	4.305	11.018
Not a drop point	0.860	0.671	1.125	0.678
Census region				
Northeast	2.003	1.369	1.981	1.791
South	1.276	1.092	1.122	1.229
Midwest	1.681	1.721	1.971	1.703
West	1.373	1.345	2.901	1.237
Race/ethnicity stratum				
25% or more Black	1.856	1.389	1.842	1.816
40% or more Hispanic	1.776	1.353	1.579	1.486
Other	1.072	0.912	1.468	0.771
Tract poverty rate				
20 percent or higher	1.268	1.376	1.800	1.504
Below 20 percent	1.077	0.800	1.369	0.793

See notes at end of table.

Table F.33 Standard errors for Table 3.3.7: ECPP overall response rate (percentage), by FedEx condition and selected household characteristics: 2019–Continued

Selected household characteristics	Screener response rate after second mailing			
	Random FedEx 2nd	Random FedEx 3rd	Random FedEx 4th	Modeled FedEx
Extent of missing frame information				
High	2.215	1.676	2.140	1.443
Medium	1.166	1.078	1.956	0.978
Low	1.452	0.899	1.116	1.306
Census Low Response Score				
First quartile (low)	1.621	1.474	2.947	1.560
Second quartile	1.314	1.301	1.561	1.336
Third quartile	1.312	1.459	1.815	1.623
Fourth quartile (high)	1.604	1.221	1.343	1.217
Percent of persons in block group without a high school diploma				
First quartile (low)	1.247	1.099	2.947	1.272
Second quartile	1.269	1.211	1.555	1.463
Third quartile	1.667	1.729	1.820	1.428
Fourth quartile (high)	1.548	1.448	1.517	1.431
Percent of persons in block group who are Black				
First quartile (low)	1.589	1.509	2.765	1.625
Second quartile	1.403	1.351	1.400	1.120
Third quartile	1.801	1.310	1.606	1.389
Fourth quartile (high)	1.601	1.535	1.634	1.479
Percent of persons in block group speaking a non-English language				
First quartile (low)	1.580	1.806	1.715	1.819
Second quartile	1.766	1.165	3.050	1.597
Third quartile	1.693	1.373	1.522	1.492
Fourth quartile (high)	1.502	1.220	1.345	1.376
Bilingual screener mailed				
Yes	0.935	0.675	1.152	0.815
No	1.436	1.632	1.783	1.419
Paper sensitivity classification				
Paper sensitive	5.838	5.711	2.583	4.675
Not paper sensitive	0.800	0.616	1.095	0.643
Contiguous U.S.				
Yes	0.866	0.660	1.109	0.670
No	†	11.689	5.152	5.712

† Not applicable.

NOTE: ECPP is Early Childhood Program Participation topical survey.

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Household Education Surveys Program (NHES), 2019. U.S. Census Bureau, American Community Survey (ACS), 2013-2017.

Table F.34 Standard errors for Table 3.3.8: PFI overall response rate (percentage), by FedEx condition and selected household characteristics: 2019

Selected household characteristics	Screener response rate after second mailing			
	Random FedEx 2nd	Random FedEx 3rd	Random FedEx 4th	Modeled FedEx
Gender of head of household				
Male	1.180	0.752	1.156	1.162
Female	0.916	0.852	1.210	1.201
Missing	1.141	1.087	1.243	1.086
Age of head of household				
18-34	2.708	1.816	1.958	1.797
35-44	1.253	0.972	1.214	1.375
45-54	1.277	1.231	1.086	1.399
55-65	2.020	1.751	2.723	1.541
Over 65	2.526	2.122	2.964	2.574
Missing	1.238	0.988	1.655	1.191
Marital status of head of household				
Single	1.464	1.218	1.169	1.357
Married	0.766	0.649	0.883	0.722
Missing	1.847	1.822	2.459	1.735
Race/ethnicity of head of household				
White	0.781	0.791	0.943	0.906
Black	2.155	1.877	1.985	2.045
Hispanic	1.599	1.166	1.660	1.213
Asian/Pacific Islander or Other	2.178	2.021	2.007	2.536
Missing	1.464	1.224	1.803	1.423
Highest education level of head household				
Less than high school diploma	1.379	1.429	1.971	1.471
High school diploma	1.527	1.240	1.483	1.723
Some college	1.412	1.256	1.268	1.174
Bachelor's degree	1.535	1.309	1.512	1.480
Graduate degree	1.768	1.295	2.196	2.093
Missing	1.542	1.370	1.971	1.561
Household income				
Less than \$25,000	1.783	1.469	1.515	1.890
\$25,000-\$49,999	1.242	1.303	2.011	1.524
\$50,000-\$74,999	1.734	1.358	2.229	1.920
\$75,000-\$99,999	1.976	2.043	1.892	1.541
\$100,000-\$149,999	1.436	1.142	1.707	1.592
\$150,000 or more	1.951	1.465	2.132	1.989
Missing	1.968	1.718	2.450	1.793
Home tenure				
Own	0.757	0.592	0.848	0.710
Rent	1.307	1.329	1.076	1.326
Missing	1.939	1.535	2.666	1.638

See notes at end of table.

Table F.34 Standard errors for Table 3.3.8: PFI overall response rate (percentage), by FedEx condition and selected household characteristics: 2019—Continued

Selected household characteristics	Screener response rate after second mailing			
	Random FedEx 2nd	Random FedEx 3rd	Random FedEx 4th	Modeled FedEx
Number of adults in household				
1	1.056	0.903	1.135	0.981
2	0.952	0.899	0.908	1.090
3	4.010	1.811	2.055	2.148
4 or more	4.380	3.387	5.449	3.464
Missing	2.009	1.792	2.481	1.795
Household flagged as having children				
Yes	1.213	0.884	1.052	0.948
No	0.806	0.660	1.045	0.792
Ability to match address to phone number				
Phone number available	0.776	0.601	0.804	0.818
No phone number available	1.072	0.993	1.211	0.917
Route type				
Street	0.663	0.583	0.768	0.665
P.O. box	†	†	†	†
Rural route	†	†	†	†
High rise	1.504	1.203	1.839	1.842
Dwelling type				
Single unit	0.693	0.572	0.802	0.671
Multi-unit	1.760	1.449	1.692	1.693
Missing	†	†	†	†
Vacancy status				
Flagged as vacant	8.115	6.694	8.299	8.711
Not flagged as vacant	0.638	0.523	0.679	0.622
Seasonal address type				
Seasonal or educational seasonal delivery	†	†	†	†
No seasonal delivery	0.638	0.507	0.724	0.631
Drop point address type				
Drop point	3.190	3.978	6.503	3.992
Not a drop point	0.649	0.522	0.731	0.640
Census region				
Northeast	1.524	1.318	1.657	1.801
South	1.131	0.769	1.156	1.215
Midwest	1.352	1.208	1.687	1.061
West	1.244	1.000	1.592	1.213
Race/ethnicity stratum				
25% or more Black	1.686	1.099	1.633	1.570
40% or more Hispanic	1.717	1.158	1.229	1.437
Other	0.730	0.675	0.922	0.750
Tract poverty rate				
20 percent or higher	1.208	1.002	1.198	1.275
Below 20 percent	0.735	0.562	0.889	0.709

See notes at end of table.

Table F.34 Standard errors for Table 3.3.8: PFI overall response rate (percentage), by FedEx condition and selected household characteristics: 2019—Continued

Selected household characteristics	Screener response rate after second mailing			
	Random FedEx 2nd	Random FedEx 3rd	Random FedEx 4th	Modeled FedEx
Extent of missing frame information				
High	1.674	1.452	2.271	1.634
Medium	1.068	1.126	1.154	1.035
Low	0.802	0.704	0.945	0.878
Census Low Response Score				
First quartile (low)	1.387	1.073	1.251	1.205
Second quartile	1.156	0.908	1.288	1.188
Third quartile	1.654	0.994	1.504	1.360
Fourth quartile (high)	1.398	1.046	1.159	1.303
Percent of persons in block group without a high school diploma				
First quartile (low)	1.333	0.891	1.472	1.198
Second quartile	0.991	1.185	1.647	1.060
Third quartile	1.137	1.033	1.513	1.338
Fourth quartile (high)	1.351	1.012	1.133	1.253
Percent of persons in block group who are Black				
First quartile (low)	1.392	1.125	1.436	1.406
Second quartile	1.277	1.220	1.272	1.044
Third quartile	1.082	0.939	1.263	1.100
Fourth quartile (high)	1.481	1.098	1.562	1.491
Percent of persons in block group speaking a non-English language				
First quartile (low)	1.098	1.214	1.407	1.299
Second quartile	1.263	1.183	1.337	1.309
Third quartile	1.481	1.168	1.673	1.264
Fourth quartile (high)	1.156	1.055	1.004	0.989
Bilingual screener mailed				
Yes	0.749	0.584	0.793	0.812
No	1.002	1.129	1.419	1.283
Paper sensitivity classification				
Paper sensitive	2.418	1.552	2.428	2.687
Not paper sensitive	0.645	0.527	0.722	0.666
Contiguous U.S.				
Yes	0.637	0.506	0.729	0.641
No	7.171	4.280	7.194	8.807

† Not applicable.

NOTE: PFI is Parent and Family Involvement topical survey.

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Household Education Surveys Program (NHES), 2019. U.S. Census Bureau, American Community Survey (ACS), 2013-2017.

Table F.35 Standard errors for Table 4.1.1: Screener response rate (percentage) by whether household flagged as having children, opt-out condition, and response mode: 2019

Response mode	All cases		Cases flagged as having children		Cases not flagged as having children	
	Opt-out	Regular	Opt-out	Regular	Opt-out	Regular
Overall	0.488	0.626	1.176	1.274	0.518	0.720
Web	0.469	0.610	1.210	1.332	0.523	0.643
Paper	0.320	0.399	0.541	0.692	0.363	0.468
Inbound telephone	0.225	0.275	0.356	0.329	0.269	0.324

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Household Education Surveys Program (NHES), 2019.

Table F.36 Standard errors for Table 4.1.2: Percentage point gain in screener response rate by whether household flagged as having a child, opt-out condition, mailing, and response mode: 2019

Mailing and response mode	All cases		Cases flagged as having children		Cases not flagged as having children	
	Opt-out	Regular	Opt-out	Regular	Opt-out	Regular
Initial screener package						
Overall	0.424	0.498	1.036	1.181	0.475	0.531
Web	0.418	0.496	1.063	1.152	0.469	0.528
Paper	†	†	†	†	†	†
Inbound telephone	0.111	0.139	0.201	0.201	0.131	0.160
Reminder postcard						
Overall	0.419	0.419	0.979	1.038	0.471	0.454
Web	0.395	0.386	0.964	0.955	0.441	0.425
Paper	0.023	†	†	†	†	†
Inbound telephone	0.155	0.183	0.258	0.270	0.183	0.213
Second screener package						
Overall	0.275	0.302	0.681	0.655	0.274	0.325
Web	0.267	0.287	0.680	0.627	0.270	0.310
Paper	†	†	†	†	†	†
Inbound telephone	0.083	0.097	0.153	†	0.097	0.111
Third screener package						
Overall	0.314	0.307	0.607	0.609	0.349	0.357
Web	0.090	0.080	0.177	†	0.099	0.097
Paper	0.302	0.314	0.584	0.584	0.330	0.359
Inbound telephone	0.036	0.053	†	†	0.044	0.065
Fourth screener package						
Overall	0.205	0.262	0.482	0.514	0.237	0.307
Web	0.048	0.044	0.152	†	0.048	0.046
Paper	0.190	0.257	0.452	0.490	0.221	0.300
Inbound telephone	0.025	0.050	†	†	0.030	0.052

† Not applicable.

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Household Education Surveys Program (NHES), 2019.

Table F.37 Standard errors for Table 4.1.3: Screener response rate (percentage), by whether household flagged as having children, opt-out condition, and selected household characteristics: 2019

Selected household characteristics	All cases		Cases flagged as having children		Cases not flagged as having children	
	Opt-out	Regular	Opt-out	Regular	Regular	Regular
Gender of head of household						
Male	0.764	1.084	1.453	2.362	0.855	1.222
Female	1.011	1.161	1.904	2.124	1.152	1.303
Missing	0.916	1.065	2.982	3.178	0.910	1.120
Age of head of household						
18-34	1.815	2.263	3.014	4.114	2.151	2.511
35-44	1.609	1.780	2.365	2.702	2.247	2.356
45-54	1.337	1.474	2.215	2.732	1.753	1.847
55-65	1.215	1.354	2.998	2.705	1.350	1.537
Over 65	0.918	1.388	3.134	3.789	0.979	1.496
Missing	1.043	1.199	6.863	8.761	1.039	1.210
Marital status of head of household						
Single	0.911	0.888	1.323	1.572	0.630	1.041
Married	0.592	0.956	2.676	3.004	0.981	1.015
Missing	1.257	1.728	8.158	6.873	1.289	1.776
Race/ethnicity of head of household						
White	0.629	0.875	1.416	1.558	0.745	1.009
Black	1.589	1.698	3.186	3.036	1.784	2.027
Hispanic	1.661	1.911	3.845	3.748	1.877	1.923
Asian/Pacific Islander or Other	2.495	3.189	5.982	7.124	2.674	3.681
Missing	1.170	1.246	7.563	7.558	1.178	1.281
Highest education level of head household						
Less than high school diploma	1.129	1.343	2.468	2.533	1.239	1.666
High school diploma	1.037	1.196	2.299	2.414	1.212	1.347
Some college	1.227	1.444	2.378	2.553	1.503	1.975
Bachelor's degree	1.552	1.841	3.055	3.616	1.685	2.204
Graduate degree	1.461	2.092	4.191	4.782	1.629	2.373
Missing	1.220	1.289	†	†	1.219	1.310
Household income						
Less than \$25,000	1.353	1.661	3.013	3.613	1.529	1.863
\$25,000-\$49,999	1.142	1.097	2.595	3.227	1.173	1.221
\$50,000-\$74,999	1.280	1.587	2.984	3.307	1.268	1.888
\$75,000-\$99,999	1.390	1.660	3.078	3.452	1.649	2.055
\$100,000-\$149,999	1.344	1.717	2.570	3.407	1.473	2.051
\$150,000 or more	1.870	2.149	3.721	4.481	2.052	2.467
Missing	1.395	1.641	†	†	1.397	1.653
Home tenure						
Own	0.496	0.756	1.351	1.547	0.557	0.842
Rent	1.311	1.172	2.799	2.773	1.352	1.444
Missing	1.407	1.703	6.785	8.139	1.390	1.738

See notes at end of table.

Table F.37 Standard errors for Table 4.1.3: Screener response rate (percentage), by whether household flagged as having children, opt-out condition, and selected household characteristics: 2019–Continued

Selected household characteristics	All cases		Cases flagged as having children		Cases not flagged as having children	
	Opt-out	Regular	Opt-out	Regular	Regular	Regular
Number of adults in household						
1	0.808	0.869	2.134	2.317	0.812	0.971
2	0.886	0.972	1.847	2.167	1.018	1.198
3	1.672	2.011	2.574	3.371	2.031	2.530
4 or more	3.340	3.989	5.003	5.622	3.974	5.434
Missing	1.389	1.663	†	†	1.389	1.663
Ability to match address to phone number						
Phone number available	0.587	0.719	1.321	1.455	0.662	0.831
No phone number available	0.981	1.141	2.378	3.203	1.015	1.285
Route type						
Street	0.485	0.711	1.254	1.357	0.529	0.818
P.O. box	5.993	7.144	†	†	5.987	7.972
Rural route	†	†	†	†	†	†
High rise	1.082	1.267	3.350	3.744	1.110	1.409
Dwelling type						
Single unit	0.470	0.712	1.270	1.367	0.517	0.822
Multi-unit	1.052	1.262	3.215	3.632	1.076	1.390
Missing	5.993	7.144	†	†	5.987	7.972
Vacancy status						
Flagged as vacant	0.486	0.628	†	†	0.513	0.726
Not flagged as vacant	6.088	5.789	18.946	18.830	6.350	5.976
Seasonal address type						
Seasonal or educational seasonal delivery	5.101	5.520	†	†	†	†
No seasonal delivery	0.493	0.626	1.176	1.274	0.527	0.722
Drop point address type						
Drop point	4.068	4.326	†	†	†	0.721
Not a drop point	0.494	0.628	1.219	10.918	4.838	4.710
Census region						
Northeast	1.225	1.263	2.942	3.466	1.241	1.345
South	0.788	0.976	1.823	2.112	0.936	1.092
Midwest	1.087	1.308	2.224	3.045	1.149	1.478
West	0.998	1.312	2.758	2.665	1.087	1.516
Race/ethnicity stratum						
25% or more Black	1.142	1.208	2.584	2.973	1.298	1.486
40% or more Hispanic	1.342	1.409	3.496	4.087	1.506	1.505
Other	0.603	0.756	1.382	1.512	0.646	0.870
Tract poverty rate						
20 percent or higher	0.963	1.099	2.457	2.372	1.064	1.227
Below 20 percent	0.576	0.732	1.314	1.468	0.618	0.854

See notes at end of table.

Table F.37 Standard errors for Table 4.1.3: Screener response rate (percentage), by whether household flagged as having children, opt-out condition, and selected household characteristics: 2019–Continued

Selected household characteristics	All cases		Cases flagged as having children		Cases not flagged as having children	
	Opt-out	Regular	Opt-out	Regular	Opt-out	Regular
Extent of missing frame information						
High	1.233	1.439	†	†	0.782	1.029
Medium	0.941	1.008	2.604	2.761	0.981	1.152
Low	0.618	0.793	1.259	1.417	1.236	1.445
Census Low Response Score						
First quartile (low)	1.044	1.152	2.155	2.237	1.091	1.394
Second quartile	0.956	1.089	2.266	2.462	0.985	1.333
Third quartile	1.134	1.341	2.401	2.597	1.211	1.436
Fourth quartile (high)	1.086	1.322	3.039	3.037	1.117	1.465
Percent of persons in block group without a high school diploma						
First quartile (low)	1.099	1.098	2.269	2.365	1.167	1.350
Second quartile	0.955	1.227	2.150	2.337	1.031	1.434
Third quartile	1.147	1.160	2.299	2.723	1.269	1.316
Fourth quartile (high)	1.111	1.198	2.811	2.447	1.237	1.328
Percent of persons in block group who are Black						
First quartile (low)	0.851	1.230	2.187	2.445	0.878	1.299
Second quartile	0.815	1.185	1.829	2.715	0.970	1.326
Third quartile	0.933	1.037	2.476	2.854	1.118	1.144
Fourth quartile (high)	1.045	1.145	2.240	2.736	1.139	1.393
Percent of persons in block group speaking a non-English language						
First quartile (low)	1.046	1.003	2.444	2.292	1.058	1.293
Second quartile	1.025	1.122	2.142	2.485	1.158	1.377
Third quartile	1.068	1.250	2.447	2.813	1.126	1.234
Fourth quartile (high)	1.093	1.220	2.564	3.013	1.201	1.235
Bilingual screener mailed						
Yes	0.613	0.677	1.334	1.526	0.716	0.753
No	1.055	1.191	2.205	2.583	1.082	1.425

† Not applicable.

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Household Education Surveys Program (NHES), 2019. U.S. Census Bureau, American Community Survey (ACS), 2013-2017.

Table F.38 Standard errors for Table 4.1.4: Percentage of screener respondents who reported at least one child eligible for the topical surveys, by whether household flagged as having children, opt-out condition, and questionnaire: 2019

Questionnaire	All cases		Cases flagged as having children		Cases not flagged as having children	
	Opt-out	Regular	Opt-out	Regular	Opt-out	Regular
Overall	0.538	0.736	1.400	1.862	0.584	0.727
ECPP	0.405	0.487	1.100	1.128	0.415	0.521
PFI	0.552	0.682	1.403	1.756	0.567	0.643

NOTE: ECPP is Early Childhood Program Participation topical survey. PFI is Parent and Family Involvement topical survey.

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Household Education Surveys Program (NHES), 2019.

Table F.39 Standard errors for Table 4.1.5: Topical response rate (percentage), by whether household flagged as having children, opt-out condition, questionnaire, and response mode: 2019

Questionnaire and response mode	All cases		Cases flagged as having children		Cases not flagged as having children	
	Opt-out	Regular	Opt-out	Regular	Opt-out	Regular
ECPP						
Overall	1.862	1.838	2.931	3.868	2.391	2.095
Web	1.374	1.449	1.571	1.828	1.788	1.783
Paper	6.263	7.157	†	†	7.790	7.823
Inbound telephone	†	†	†	†	†	†
PFI						
Overall	1.708	1.585	2.768	2.892	2.090	2.034
Web	1.311	1.432	1.715	3.229	2.011	1.142
Paper	5.307	5.404	9.155	7.558	5.888	6.424
Inbound telephone	†	†	†	†	†	†

† Not applicable.

NOTE: ECPP is Early Childhood Program Participation topical survey. PFI is Parent and Family Involvement topical survey.

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Household Education Surveys Program (NHES), 2019.

Table F.40 Standard errors for Table 4.1.6: Overall response rate (percentage), by whether household flagged as having a child, opt-out condition, questionnaire, and response mode: 2019

Questionnaire and response mode	All cases		Cases flagged as having children		Cases not flagged as having children	
	Opt-out	Regular	Opt-out	Regular	Opt-out	Regular
ECPP						
Overall	1.229	1.188	2.128	2.510	1.462	1.353
Web	0.767	0.794	1.419	1.677	0.910	0.924
Paper	0.776	0.895	1.568	1.803	0.989	0.991
Inbound telephone	0.225	†	†	†	0.269	†
PFI						
Overall	1.109	0.997	1.888	1.993	1.345	1.368
Web	0.671	0.743	1.533	1.908	0.960	0.740
Paper	0.638	0.703	1.083	0.882	0.707	0.827
Inbound telephone	0.638	1.740	0.356	†	0.899	†

† Not applicable.

NOTE: ECPP is Early Childhood Program Participation topical survey. PFI is Parent and Family Involvement topical survey.

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Household Education Surveys Program (NHES), 2019.

Table F.41 Standard errors for Table 4.1.7: ECPP overall response rate (percentage), by whether household flagged as having children, opt-out questionnaire condition, and selected household characteristics: 2019

Selected household characteristics	All cases		Cases flagged as having children		Cases not flagged as having children	
	Opt-out	Regular	Opt-out	Regular	Regular	Regular
Gender of head of household						
Male	1.693	2.108	2.505	4.393	2.249	2.243
Female	2.341	2.243	4.209	3.566	2.971	2.934
Missing	2.095	2.090	2.982	3.178	2.410	2.222
Age of head of household						
18-34	2.208	3.177	3.934	4.114	2.840	3.996
35-44	2.194	2.462	3.175	4.108	3.127	2.997
45-54	3.537	6.024	2.215	5.926	5.238	9.711
55-65	5.752	5.204	8.187	13.644	7.610	4.235
Over 65	4.971	1.388	21.893	3.789	4.477	1.496
Missing	1.772	2.114	6.863	†	1.810	2.137
Marital status of head of household						
Single	1.953	1.380	2.931	2.813	2.494	1.685
Married	1.965	2.161	2.666	7.121	2.415	2.274
Missing	2.789	4.654	8.158	6.873	3.057	4.964
Race/ethnicity of head of household						
White	1.596	1.454	2.831	2.030	1.934	1.899
Black	3.634	2.755	5.176	3.811	4.474	3.754
Hispanic	2.633	3.630	5.520	8.738	2.950	3.971
Asian/Pacific Islander or Other	5.571	7.813	5.982	†	7.038	7.175
Missing	2.508	3.165	†	†	2.574	3.299
Highest education level of head household						
Less than high school diploma	3.186	3.021	4.639	6.389	4.000	2.812
High school diploma	1.902	2.087	2.593	4.061	2.797	2.386
Some college	3.241	1.444	4.891	2.553	4.152	1.975
Bachelor's degree	3.175	5.743	4.070	11.280	4.353	6.869
Graduate degree	3.177	3.412	4.191	4.782	3.514	4.309
Missing	2.750	3.558	†	†	2.806	3.603
Household income						
Less than \$25,000	2.316	2.375	4.540	7.383	2.567	2.264
\$25,000-\$49,999	2.919	2.064	5.759	3.227	2.897	2.758
\$50,000-\$74,999	3.544	2.912	4.148	6.573	4.740	3.145
\$75,000-\$99,999	2.574	3.760	4.605	4.461	3.198	4.924
\$100,000-\$149,999	3.560	3.042	5.488	5.823	4.461	4.045
\$150,000 or more	4.546	4.669	5.039	4.481	5.515	5.089
Missing	3.142	5.126	†	†	3.143	5.122
Home tenure						
Own	1.798	1.290	2.698	3.265	2.239	1.434
Rent	1.818	2.390	3.266	3.960	2.147	2.979
Missing	2.803	4.342	13.951	†	2.866	4.382

See notes at end of table.

Table F.41 Standard errors for Table 4.1.7: ECPP overall response rate (percentage), by whether household flagged as having children, opt-out questionnaire condition, and selected household characteristics: 2019–Continued

Selected household characteristics	All cases		Cases flagged as having children		Cases not flagged as having children	
	Opt-out	Regular	Opt-out	Regular	Regular	Regular
Number of adults in household						
1	1.705	1.492	3.398	2.317	2.051	1.838
2	2.016	1.918	2.679	3.397	2.619	2.519
3	1.672	5.079	2.574	5.694	2.031	7.800
4 or more	3.340	14.552	†	†	†	5.434
Missing	3.119	5.094	†	†	3.119	5.094
Ability to match address to phone number						
Phone number available	1.677	1.512	2.321	3.335	2.158	1.772
No phone number available	1.575	1.835	3.551	3.203	1.608	2.130
Route type						
Street	1.548	1.383	2.264	3.002	1.914	1.470
P.O. box	†	†	†	†	†	†
Rural route	†	†	†	†	†	†
High rise	2.329	3.272	8.998	3.744	2.448	4.043
Dwelling type						
Single unit	1.516	1.404	2.303	2.992	1.865	1.469
Multi-unit	2.104	3.184	7.899	3.632	2.183	3.779
Missing	†	†	†	†	†	†
Vacancy status						
Flagged as vacant	6.088	5.789	†	†	0.000	5.976
Not flagged as vacant	1.240	1.204	2.151	2.518	1.476	1.373
Seasonal address type						
Seasonal or educational seasonal delivery	†	†	†	†	†	†
No seasonal delivery	1.237	1.189	2.127	2.510	1.467	1.354
Drop point address type						
Drop point	†	†	†	†	†	†
Not a drop point	1.246	1.142	2.145	2.527	1.477	1.253
Census region						
Northeast	3.069	3.852	5.181	8.558	3.696	4.599
South	1.432	1.840	2.374	3.292	1.680	2.273
Midwest	3.600	1.898	7.095	4.946	4.267	2.160
West	1.869	2.196	4.503	6.681	2.078	2.449
Race/ethnicity stratum						
25% or more Black	2.702	2.009	3.983	5.724	3.511	2.390
40% or more Hispanic	2.500	3.431	4.520	7.136	3.082	3.989
Other	1.534	1.415	2.656	2.887	1.767	1.743
Tract poverty rate						
20 percent or higher	1.990	2.649	4.499	5.198	2.262	3.060
Below 20 percent	1.536	1.304	2.135	2.918	1.875	1.569

See notes at end of table.

Table F.41 Standard errors for Table 4.1.7: ECPP overall response rate (percentage), by whether household flagged as having children, opt-out questionnaire condition, and selected household characteristics: 2019–Continued

Selected household characteristics	All cases		Cases flagged as having children		Cases not flagged as having children	
	Opt-out	Regular	Opt-out	Regular	Opt-out	Regular
Extent of missing frame information						
High	1.686	2.163	†	†	2.179	2.658
Medium	1.660	1.618	2.853	2.761	2.060	1.807
Low	2.903	4.324	2.839	3.102	2.982	4.314
Census Low Response Score						
First quartile (low)	2.923	2.109	5.937	5.247	3.394	2.357
Second quartile	1.704	1.900	2.643	2.462	2.151	2.250
Third quartile	2.945	2.158	4.552	2.597	3.417	2.623
Fourth quartile (high)	1.831	3.308	3.634	6.758	2.203	3.872
Percent of persons in block group without a high school diploma						
First quartile (low)	2.969	1.931	3.639	6.502	3.605	1.990
Second quartile	1.438	1.960	2.150	2.337	1.670	2.598
Third quartile	2.277	3.099	4.480	4.500	2.827	3.881
Fourth quartile (high)	2.388	3.021	3.405	5.877	3.173	3.520
Percent of persons in block group who are Black						
First quartile (low)	2.312	3.034	5.662	7.096	2.089	2.533
Second quartile	3.264	1.911	2.764	5.625	4.516	2.124
Third quartile	1.647	2.549	2.710	2.854	1.999	3.396
Fourth quartile (high)	2.308	2.488	3.166	3.792	2.891	3.063
Percent of persons in block group speaking a non-English language						
First quartile (low)	2.591	1.464	5.083	3.023	2.487	1.803
Second quartile	2.447	2.292	3.341	5.701	3.042	2.863
Third quartile	1.905	2.679	2.783	4.469	2.255	3.398
Fourth quartile (high)	2.146	2.796	4.654	6.313	2.572	3.083
Bilingual screener mailed						
Yes	1.332	1.483	2.157	3.166	1.670	1.636
No	2.654	2.193	3.479	2.583	3.241	2.727

† Not applicable.

NOTE: ECPP is Early Childhood Program Participation topical survey.

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Household Education Surveys Program (NHES), 2019. U.S. Census Bureau, American Community Survey (ACS), 2013-2017.

Table F.42 Standard errors for Table 4.1.8: PFI overall response rate (percentage), by whether household flagged as having children, opt-out questionnaire condition, and selected household characteristics: 2019

Selected household characteristics	All cases		Cases flagged as having children		Cases not flagged as having children	
	Opt-out	Regular	Opt-out	Regular	Regular	Regular
Gender of head of household						
Male	1.462	2.141	2.452	4.069	2.260	2.645
Female	2.425	2.124	3.469	2.582	2.887	3.447
Missing	1.766	1.476	4.669	3.218	1.982	1.663
Age of head of household						
18-34	3.631	3.114	5.964	4.103	3.567	5.012
35-44	2.418	2.424	3.297	3.712	2.757	3.102
45-54	1.711	2.016	2.663	3.174	2.134	2.672
55-65	3.436	3.397	6.314	3.798	3.623	5.011
Over 65	3.916	3.922	3.134	5.740	5.226	5.200
Missing	2.387	2.001	7.309	8.761	2.466	2.030
Marital status of head of household						
Single	1.447	1.439	2.064	2.398	1.822	1.956
Married	2.333	1.973	5.686	3.109	1.912	2.236
Missing	4.059	2.638	8.158	8.869	4.262	2.713
Race/ethnicity of head of household						
White	1.674	1.558	2.271	2.612	2.153	2.213
Black	4.374	2.912	5.900	3.036	4.355	5.186
Hispanic	2.146	2.902	4.118	4.376	2.621	3.691
Asian/Pacific Islander or Other	5.523	5.257	6.469	9.399	7.221	6.861
Missing	2.722	2.021	12.526	14.075	2.870	2.093
Highest education level of head household						
Less than high school diploma	2.554	2.718	4.573	3.732	2.137	3.977
High school diploma	1.918	2.131	2.825	2.648	2.940	3.625
Some college	2.546	3.462	4.030	6.231	3.740	3.425
Bachelor's degree	2.067	2.485	3.055	3.883	3.478	4.369
Graduate degree	3.308	2.772	7.242	5.353	2.471	3.687
Missing	2.968	2.087	†	†	2.990	2.110
Household income						
Less than \$25,000	3.446	2.073	6.930	3.613	2.261	2.792
\$25,000-\$49,999	2.463	3.194	5.593	4.163	2.749	3.885
\$50,000-\$74,999	2.993	2.545	5.221	4.935	3.760	2.990
\$75,000-\$99,999	2.013	2.891	3.393	3.863	2.867	4.132
\$100,000-\$149,999	2.447	3.163	3.179	6.319	3.969	3.327
\$150,000 or more	2.811	2.448	5.283	4.719	3.365	3.895
Missing	4.482	2.720	†	†	4.504	2.731
Home tenure						
Own	1.358	1.181	2.011	2.422	1.592	1.598
Rent	2.531	2.156	5.419	2.847	1.930	3.113
Missing	3.977	2.610	10.612	8.139	4.167	2.673

See notes at end of table.

Table F.42 Standard errors for Table 4.1.8: PFI overall response rate (percentage), by whether household flagged as having children, opt-out questionnaire condition, and selected household characteristics: 2019—Continued

Selected household characteristics	All cases		Cases flagged as having children		Cases not flagged as having children	
	Opt-out	Regular	Opt-out	Regular	Regular	Regular
Number of adults in household						
1	1.443	1.548	3.257	2.728	1.495	2.199
2	2.065	1.382	2.605	2.480	2.666	2.045
3	2.609	7.698	4.059	12.043	3.099	7.783
4 or more	5.727	8.505	5.935	10.429	13.291	16.818
Missing	4.572	2.736	†	†	4.572	2.736
Ability to match address to phone number						
Phone number available	1.309	1.222	2.265	2.384	1.435	1.815
No phone number available	2.055	1.677	3.043	3.162	2.542	2.086
Route type						
Street	1.154	1.101	2.037	2.096	1.213	1.511
P.O. box	†	7.144	†	†	†	7.972
Rural route	†	†	†	†	†	†
High rise	3.006	2.309	4.005	5.719	3.666	2.566
Dwelling type						
Single unit	1.179	1.091	2.068	1.682	1.234	1.558
Multi-unit	2.728	3.633	3.846	†	3.266	2.378
Missing	†	7.144	†	†	†	7.972
Vacancy status						
Flagged as vacant	6.088	†	†	†	6.350	5.976
Not flagged as vacant	1.113	1.001	1.895	1.991	1.350	1.389
Seasonal address type						
Seasonal or educational seasonal delivery	†	†	†	†	†	†
No seasonal delivery	1.108	1.001	1.887	1.993	1.348	1.377
Drop point address type						
Drop point	12.049	4.654	†	†	†	9.577
Not a drop point	1.097	1.005	1.905	1.989	1.339	1.386
Census region						
Northeast	3.807	3.396	6.562	8.775	4.508	2.738
South	1.720	1.801	4.009	2.536	2.097	2.565
Midwest	2.215	2.456	2.618	3.953	3.174	3.659
West	1.490	1.774	3.006	3.089	1.976	2.216
Race/ethnicity stratum						
25% or more Black	2.261	2.288	5.739	2.973	2.084	3.372
40% or more Hispanic	3.168	2.153	3.942	4.612	3.963	2.462
Other	1.430	1.278	2.356	2.389	1.507	1.655
Tract poverty rate						
20 percent or higher	2.196	1.754	4.490	2.814	2.581	2.211
Below 20 percent	1.182	1.258	2.039	2.405	1.481	1.647

See notes at end of table.

Table F.42 Standard errors for Table 4.1.8: PFI overall response rate (percentage), by whether household flagged as having children, opt-out questionnaire condition, and selected household characteristics: 2019—Continued

Selected household characteristics	All cases		Cases flagged as having children		Cases not flagged as having children	
	Opt-out	Regular	Opt-out	Regular	Opt-out	Regular
Extent of missing frame information						
High	3.441	2.251	†	†	3.449	2.272
Medium	1.695	1.502	3.655	3.088	1.872	2.011
Low	1.541	1.615	2.146	2.461	2.127	2.340
Census Low Response Score						
First quartile (low)	2.249	1.827	3.918	2.861	2.315	2.737
Second quartile	2.089	1.843	3.330	3.119	2.961	2.535
Third quartile	2.421	2.849	4.690	6.172	2.261	2.633
Fourth quartile (high)	2.540	2.282	4.754	3.912	3.061	2.955
Percent of persons in block group without a high school diploma						
First quartile (low)	1.607	2.520	2.615	4.872	2.409	2.867
Second quartile	2.095	1.636	3.271	2.670	2.555	2.228
Third quartile	2.488	2.035	4.967	3.672	2.655	2.673
Fourth quartile (high)	2.168	1.723	4.668	2.802	2.786	2.149
Percent of persons in block group who are Black						
First quartile (low)	1.979	1.972	3.801	3.142	2.257	2.629
Second quartile	1.997	2.174	3.685	5.722	2.130	1.845
Third quartile	2.092	2.027	4.571	3.150	2.626	3.083
Fourth quartile (high)	2.447	2.630	4.591	3.234	3.075	3.444
Percent of persons in block group speaking a non-English language						
First quartile (low)	2.881	1.583	4.680	2.767	2.723	2.131
Second quartile	1.798	2.280	2.315	2.581	2.860	3.432
Third quartile	1.855	1.830	4.020	3.443	2.532	2.058
Fourth quartile (high)	1.697	2.190	3.194	7.150	2.357	1.970
Bilingual screener mailed						
Yes	1.155	1.136	2.146	2.712	1.629	1.317
No	2.531	1.963	4.102	3.217	2.934	2.908

† Not applicable.

NOTE: PFI is Parent and Family Involvement topical survey.

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Household Education Surveys Program (NHES), 2019. U.S. Census Bureau, American Community Survey (ACS), 2013-2017.

Table F.43 Standard errors for Table 4.2.1: Screener response rate (percentage), by likely-Spanish-speaking classification, targeted materials condition, and response mode: 2019

Response mode	All cases		Likely-Spanish-speaking households		Not-likely-Spanish-speaking households
	Targeted	Baseline	Targeted	Baseline	
Overall	0.415	0.255	0.926	0.601	0.237
Web	0.465	0.264	0.755	0.451	0.261
Paper	0.342	0.207	0.607	0.453	0.223
Inbound telephone	0.201	0.115	0.253	0.212	0.107

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Household Education Surveys Program (NHES), 2019.

Table F.44 Standard errors for Table 4.2.2: Percentage point gain in screener response rate after each mailing, by likely-Spanish-speaking classification, targeted materials condition, mailing, and response mode: 2019

Mailing and response mode	All cases		Likely-Spanish-speaking households		Not-likely-Spanish-speaking households
	Targeted	Baseline	Targeted	Baseline	
Initial screener package					
Overall	0.407	0.220	0.601	0.317	0.203
Web	0.388	0.218	0.566	0.307	0.197
Paper	†	†	†	†	0.005
Inbound telephone	0.102	0.058	0.109	0.097	0.054
Pressure-sealed envelope					
Overall	0.284	0.187	0.457	0.310	0.180
Web	0.266	0.172	0.404	0.299	0.159
Paper	0.021	0.009	†	†	0.010
Inbound telephone	0.121	0.082	0.205	0.123	0.070
Second screener package					
Overall	0.186	0.115	0.391	0.195	0.109
Web	0.180	0.117	0.389	0.178	0.110
Paper	†	0.006	†	†	0.006
Inbound telephone	0.058	0.042	0.072	0.076	0.037
Third screener package					
Overall	0.350	0.208	0.599	0.436	0.210
Web	0.072	0.040	0.143	0.098	0.046
Paper	0.323	0.198	0.572	0.406	0.202
Inbound telephone	0.081	0.043	0.100	0.101	0.043
Fourth screener package					
Overall	0.190	0.109	0.369	0.251	0.102
Web	0.030	0.022	†	0.041	0.019
Paper	0.182	0.105	0.365	0.246	0.102
Inbound telephone	0.029	0.016	†	0.049	0.015

† Not applicable.

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Household Education Surveys Program (NHES), 2019.

Table F.45 Standard errors for Table 4.2.3: Screener response rate, by likely-Spanish-speaking classification, targeted materials condition, and selected household characteristics: 2019

Selected household characteristics	All cases		Likely-Spanish-speaking households		Not-likely-Spanish-speaking households
	Targeted	Baseline	Targeted	Baseline	
Gender of head of household					
Male	0.700	0.401	1.868	0.965	0.377
Female	0.869	0.464	1.686	1.144	0.412
Missing	0.757	0.415	1.401	1.008	0.451
Age of head of household					
18-34	1.497	0.958	2.667	1.999	0.947
35-44	1.219	0.750	2.466	1.454	0.683
45-54	1.041	0.658	2.767	1.406	0.650
55-65	0.852	0.568	2.483	1.503	0.480
Over 65	0.770	0.467	2.777	1.397	0.400
Missing	0.851	0.453	1.347	0.804	0.519
Marital status of head of household					
Single	0.728	0.512	1.590	1.045	0.477
Married	0.490	0.334	1.456	0.890	0.288
Missing	1.151	0.675	2.166	1.236	0.690
Race/ethnicity of head of household					
White	0.614	0.325	2.104	1.283	0.309
Black	1.357	0.868	3.925	2.546	0.822
Hispanic	1.301	0.827	1.359	0.809	2.139
Asian/Pacific Islander or Other	2.471	1.449	5.634	3.327	1.385
Missing	0.932	0.500	1.719	0.975	0.544
Highest education level of head household					
Less than high school diploma	1.342	0.792	1.978	1.079	1.037
High school diploma	0.778	0.500	1.905	1.219	0.447
Some college	0.828	0.639	1.951	1.447	0.542
Bachelor's degree	1.034	0.562	3.545	1.811	0.548
Graduate degree	1.349	0.719	4.275	2.485	0.711
Missing	0.993	0.509	1.723	1.035	0.540
Household income					
Less than \$25,000	1.153	0.695	1.669	1.602	0.689
\$25,000-\$49,999	1.042	0.508	2.012	1.189	0.502
\$50,000-\$74,999	0.937	0.628	2.384	1.373	0.563
\$75,000-\$99,999	1.169	0.710	2.946	1.787	0.641
\$100,000-\$149,999	1.246	0.675	3.145	1.781	0.658
\$150,000 or more	1.206	0.737	4.161	2.269	0.613
Missing	1.221	0.712	2.189	1.296	0.771
Home tenure					
Own	0.507	0.304	1.331	0.823	0.280
Rent	0.892	0.649	1.575	1.021	0.591
Missing	1.213	0.734	1.987	1.251	0.742

See notes at end of table.

Table F.45 Standard errors for Table 4.2.3: Screener response rate, by likely-Spanish-speaking classification, targeted materials condition, and selected household characteristics: 2019–Continued

Selected household characteristics	All cases		Likely-Spanish-speaking households		Not-likely-Spanish-speaking households
	Targeted	Baseline	Targeted	Baseline	
Number of adults in household					
1	0.598	0.375	1.163	0.808	0.311
2	0.734	0.520	2.020	1.386	0.505
3	1.645	0.886	3.630	1.827	0.883
4 or more	2.185	1.549	5.482	3.167	1.413
Missing	1.215	0.711	2.167	1.313	0.768
Household flagged as having children					
Yes	1.025	0.550	2.081	1.359	0.534
No	0.461	0.268	0.965	0.587	0.254
Ability to match address to phone number					
Phone number available	0.490	0.283	1.182	0.780	0.257
No phone number available	0.716	0.463	1.385	0.872	0.453
Route type					
Street	0.469	0.269	1.187	0.739	0.257
P.O. box	5.426	3.200	†	6.759	2.772
Rural route	†	†	†	†	†
High rise	0.977	0.550	1.658	0.829	0.591
Dwelling type					
Single unit	0.460	0.273	1.196	0.757	0.260
Multi-unit	0.941	0.553	1.482	0.788	0.599
Missing	5.426	3.200	†	6.759	2.772
Vacancy status					
Flagged as vacant	3.870	2.686	7.887	4.531	2.434
Not flagged as vacant	0.416	0.259	0.927	0.600	0.239
Seasonal address type					
Seasonal or educational seasonal delivery	5.012	2.655	†	†	2.149
No seasonal delivery	0.422	0.252	0.930	0.599	0.238
Drop point address type					
Drop point	3.218	2.124	5.234	3.740	2.205
Not a drop point	0.427	0.257	0.945	0.600	0.236
Census region					
Northeast	0.835	0.557	2.268	1.429	0.552
South	0.652	0.437	1.408	0.955	0.392
Midwest	0.883	0.564	3.976	2.287	0.483
West	0.986	0.567	1.591	0.856	0.613
Race/ethnicity stratum					
25% or more Black	1.025	0.566	2.628	1.827	0.550
40% or more Hispanic	1.054	0.718	1.054	0.718	†
Other	0.518	0.316	1.908	1.304	0.277
Tract poverty rate					
20 percent or higher	0.822	0.498	1.458	0.806	0.570
Below 20 percent	0.489	0.284	1.308	0.785	0.258

See notes at end of table.

Table F.45 Standard errors for Table 4.2.3: Screener response rate, by likely-Spanish-speaking classification, targeted materials condition, and selected household characteristics: 2019–Continued

Selected household characteristics	All cases		Likely-Spanish-speaking households		Not-likely-Spanish-speaking households
	Targeted	Baseline	Targeted	Baseline	
Extent of missing frame information					
High	1.100	0.571	1.815	1.064	0.645
Medium	0.758	0.483	1.489	1.010	0.397
Low	0.605	0.334	1.559	0.946	0.299
Census Low Response Score					
First quartile (low)	0.734	0.429	3.071	1.884	0.379
Second quartile	0.855	0.435	2.568	1.595	0.412
Third quartile	0.910	0.557	1.830	1.139	0.495
Fourth quartile (high)	0.919	0.585	1.356	0.836	0.605
Percent of persons in block group without a high school diploma					
First quartile (low)	0.710	0.419	3.230	2.056	0.373
Second quartile	0.935	0.439	2.370	1.564	0.408
Third quartile	0.888	0.582	1.971	1.227	0.576
Fourth quartile (high)	0.877	0.571	1.081	0.783	0.662
Percent of persons in block group who are Black					
First quartile (low)	0.768	0.527	2.154	1.096	0.465
Second quartile	0.849	0.462	1.788	1.144	0.419
Third quartile	0.927	0.520	1.750	0.961	0.536
Fourth quartile (high)	0.941	0.579	1.928	1.615	0.541
Percent of persons in block group speaking a non-English language					
First quartile (low)	0.794	0.485	5.347	3.687	0.376
Second quartile	0.850	0.471	3.387	2.259	0.468
Third quartile	0.779	0.463	2.420	1.177	0.437
Fourth quartile (high)	0.822	0.636	0.876	0.707	0.880

† Not applicable.

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Household Education Surveys Program (NHES), 2019. U.S. Census Bureau, American Community Survey (ACS), 2013-2017.

Table F.46 Standard errors for Table 4.2.4: Percentage of all screener respondents who reported at least one child eligible for the topical surveys, by likely-Spanish-speaking classification, targeted materials condition, and questionnaire: 2019

Questionnaire	All cases		Likely-Spanish-speaking households		Not-likely-Spanish-speaking households
	Targeted	Baseline	Targeted	Baseline	
Overall	0.432	0.327	1.268	0.733	0.296
ECP	0.295	0.225	0.900	0.510	0.208
PFI	0.419	0.292	1.167	0.724	0.277

NOTE: ECP is Early Childhood Program Participation topical survey. PFI is Parent and Family Involvement topical survey.

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Household Education Surveys Program (NHES), 2019.

Table F.47 Standard errors for Table 4.2.5: Topical response rate, by likely-Spanish-speaking classification, targeted materials condition, questionnaire, and response mode: 2019

Questionnaire and response mode	All cases		Cases flagged as being likely Spanish speakers		Not-likely-Spanish-speaking households
	Targeted	Baseline	Targeted	Baseline	
ECPP					
Overall	1.929	1.102	4.563	2.275	1.200
Web	1.574	0.977	4.342	2.109	0.908
Paper	4.270	2.359	8.262	3.866	2.785
Inbound telephone	†	†	†	†	†
PFI					
Overall	1.304	0.850	3.913	1.989	0.846
Web	1.020	0.797	4.533	2.737	0.542
Paper	3.386	1.923	6.617	2.955	2.064
Inbound telephone	†	6.002	†	†	4.359

† Not applicable.

NOTE: ECPP is Early Childhood Program Participation topical survey. PFI is Parent and Family Involvement topical survey.

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Household Education Surveys Program (NHES), 2019.

Table F.48 Standard errors for Table 4.2.6: Overall response rate, by likely-Spanish-speaking classification, targeted materials condition, questionnaire, and response mode: 2019

Questionnaire and response mode	All cases		Likely-Spanish-speaking households		Not-likely-Spanish-speaking households
	Targeted	Baseline	Targeted	Baseline	
ECPP					
Overall	1.222	0.661	1.883	1.141	0.781
Web	0.724	0.397	1.145	0.654	0.418
Paper	0.884	0.509	1.420	0.783	0.601
Inbound telephone	0.403	0.177	†	0.212	0.191
PFI					
Overall	0.840	0.527	1.689	0.989	0.573
Web	0.555	0.331	1.081	0.752	0.297
Paper	0.707	0.394	1.146	0.621	0.433
Inbound telephone	0.244	0.273	†	0.503	0.203

† Not applicable.

NOTE: ECPP is Early Childhood Program Participation topical survey. PFI is Parent and Family Involvement topical survey.

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Household Education Surveys Program (NHES), 2019.

Table F.49 Standard errors for Table 4.2.7: ECPP overall response rate, by likely-Spanish-speaking classification, targeted materials condition, and selected household characteristics: 2019

Selected household characteristics	All cases		Likely-Spanish-speaking households		Not-likely-Spanish-speaking households
	Targeted	Baseline	Targeted	Baseline	
Gender of head of household					
Male	1.866	1.110	3.602	2.178	1.347
Female	2.210	1.165	3.905	2.078	1.149
Missing	1.942	1.119	3.329	1.395	1.278
Age of head of household					
18-34	2.358	1.515	6.079	3.200	1.499
35-44	2.163	1.384	2.952	1.824	1.373
45-54	3.132	2.185	6.514	3.714	2.072
55-65	4.354	3.493	2.483	3.886	3.520
Over 65	8.464	2.860	9.080	3.052	4.307
Missing	1.686	1.086	2.296	1.407	1.294
Marital status of head of household					
Single	2.342	1.321	3.236	1.661	1.551
Married	1.666	0.897	2.907	1.847	0.977
Missing	3.070	1.996	6.131	2.394	2.204
Race/ethnicity of head of household					
White	1.900	1.161	3.220	2.841	1.009
Black	2.294	2.117	10.225	6.492	1.842
Hispanic	2.726	1.461	2.752	1.512	4.022
Asian/Pacific Islander or Other	6.722	2.347	5.634	4.909	3.004
Missing	2.466	1.493	4.808	2.115	1.733
Highest education level of head household					
Less than high school diploma	3.546	1.829	4.291	2.200	2.454
High school diploma	2.953	2.124	4.319	2.367	2.265
Some college	2.483	1.278	4.821	2.765	1.321
Bachelor's degree	2.005	1.877	3.545	2.979	1.730
Graduate degree	4.315	2.265	15.017	4.648	2.215
Missing	2.600	1.521	3.761	1.861	1.816
Household income					
Less than \$25,000	3.653	1.627	4.400	2.491	2.003
\$25,000-\$49,999	3.238	1.760	4.489	2.468	2.028
\$50,000-\$74,999	2.310	1.790	3.301	2.166	1.934
\$75,000-\$99,999	2.702	2.571	4.394	3.244	2.417
\$100,000-\$149,999	3.249	1.260	6.173	2.789	1.375
\$150,000 or more	3.302	2.269	14.026	4.655	2.104
Missing	3.043	1.820	3.485	3.726	2.030
Home tenure					
Own	1.462	0.825	2.724	1.791	0.877
Rent	1.766	1.379	3.240	1.825	1.718
Missing	3.290	1.850	5.034	2.400	2.194

See notes at end of table.

Table F.49 Standard errors for Table 4.2.7: ECPP overall response rate, by likely-Spanish-speaking classification, targeted materials condition, and selected household characteristics: 2019–Continued

Selected household characteristics	All cases		Likely-Spanish-speaking households		Not-likely-Spanish-speaking households
	Targeted	Baseline	Targeted	Baseline	
Number of adults in household					
1	1.652	0.926	2.472	1.340	1.115
2	2.250	1.435	4.248	2.893	1.375
3	1.645	2.887	3.630	6.285	2.853
4 or more	2.185	7.470	†	16.042	3.436
Missing	3.040	1.830	3.445	3.772	2.037
Household flagged as having children					
Yes	2.862	1.515	3.875	2.902	1.683
No	1.333	0.793	2.247	1.137	0.901
Ability to match address to phone number					
Phone number available	1.577	0.940	2.293	1.691	0.997
No phone number available	1.838	0.907	3.125	1.313	1.041
Route type					
Street	1.396	0.739	2.252	1.474	0.869
P.O. box	†	7.896	†	6.759	10.082
Rural route	†	†	†	†	†
High rise	3.224	1.671	3.625	2.313	1.842
Dwelling type					
Single unit	1.380	0.769	2.295	1.509	0.875
Multi-unit	2.914	1.459	3.235	2.173	1.749
Missing	†	7.896	†	6.759	10.082
Vacancy status					
Flagged as vacant	13.380	2.686	†	†	4.859
Not flagged as vacant	1.246	0.669	1.909	1.149	0.792
Seasonal address type					
Seasonal or educational seasonal delivery	†	2.655	†	†	†
No seasonal delivery	1.220	0.660	1.879	1.137	0.781
Drop point address type					
Drop point	7.731	3.571	†	3.740	4.498
Not a drop point	1.234	0.669	1.906	1.170	0.783
Census region					
Northeast	2.664	1.422	3.455	3.536	1.285
South	1.894	1.084	3.717	2.192	1.189
Midwest	2.893	1.723	5.528	4.891	1.582
West	2.686	1.345	3.096	1.365	1.817
Race/ethnicity stratum					
25% or more Black	2.319	1.389	5.040	3.057	1.317
40% or more Hispanic	2.250	1.350	2.250	1.350	†
Other	1.526	0.908	4.017	2.316	0.887

See notes at end of table.

Table F.49 Standard errors for Table 4.2.7: ECPP overall response rate, by likely-Spanish-speaking classification, targeted materials condition, and selected household characteristics: 2019—Continued

Selected household characteristics	All cases		Likely-Spanish-speaking households		Not-likely-Spanish-speaking households
	Targeted	Baseline	Targeted	Baseline	
Tract poverty rate					
20 percent or higher	2.161	1.372	2.907	1.833	1.804
Below 20 percent	1.475	0.798	2.408	1.487	0.850
Extent of missing frame information					
High	2.659	1.678	5.193	1.841	1.953
Medium	1.865	1.067	2.465	1.595	1.231
Low	1.631	0.899	3.976	2.236	0.908
Census Low Response Score					
First quartile (low)	2.122	1.471	6.418	3.822	1.442
Second quartile	2.608	1.302	6.753	2.742	1.287
Third quartile	2.531	1.471	3.893	2.008	1.637
Fourth quartile (high)	2.008	1.223	2.517	1.665	1.581
Percent of persons in block group without a high school diploma					
First quartile (low)	2.240	1.097	8.955	3.433	1.054
Second quartile	2.329	1.209	7.090	3.822	1.116
Third quartile	2.643	1.720	4.239	2.480	1.857
Fourth quartile (high)	2.038	1.457	2.270	1.578	1.787
Percent of persons in block group who are Black					
First quartile (low)	2.125	1.507	2.715	2.049	1.418
Second quartile	2.263	1.381	4.353	2.436	1.457
Third quartile	2.905	1.295	3.169	1.849	1.650
Fourth quartile (high)	2.050	1.528	4.166	2.673	1.596
Percent of persons in block group speaking a non-English language					
First quartile (low)	2.624	1.791	12.038	6.391	1.487
Second quartile	2.517	1.157	7.788	3.079	1.241
Third quartile	2.542	1.367	5.110	2.957	1.327
Fourth quartile (high)	1.928	1.219	2.246	1.372	1.937

† Not applicable.

NOTE: ECPP is Early Childhood Program Participation topical survey.

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Household Education Surveys Program (NHES), 2019. U.S. Census Bureau, American Community Survey (ACS), 2013-2017.

Table F.50 Standard errors for Table 4.2.8: PFI overall response rate, by likely-Spanish-speaking classification, targeted materials condition, and selected household characteristics: 2019

Selected household characteristics	All cases		Likely-Spanish-speaking households		Not-likely-Spanish-speaking households
	Targeted	Baseline	Targeted	Baseline	
Gender of head of household					
Male	1.260	0.739	3.274	1.793	0.737
Female	1.860	0.850	3.410	1.708	0.864
Missing	1.321	1.101	2.014	1.715	1.131
Age of head of household					
18-34	2.819	1.809	5.027	2.555	2.101
35-44	1.472	0.964	3.676	1.753	0.920
45-54	1.733	1.235	4.819	1.907	1.266
55-65	2.311	1.738	4.414	2.534	1.833
Over 65	4.536	2.105	10.435	5.278	1.751
Missing	1.816	1.001	2.509	1.646	1.052
Marital status of head of household					
Single	1.761	1.217	2.876	1.465	1.323
Married	0.940	0.649	2.302	1.412	0.659
Missing	2.643	1.859	4.294	3.633	1.635
Race/ethnicity of head of household					
White	1.158	0.789	2.465	2.629	0.703
Black	2.697	1.866	5.912	4.369	1.612
Hispanic	2.070	1.158	2.155	1.152	4.725
Asian/Pacific Islander or Other	2.790	2.015	5.634	7.135	1.496
Missing	1.935	1.319	3.984	2.480	1.158
Highest education level of head household					
Less than high school diploma	2.609	1.428	2.788	1.838	2.474
High school diploma	2.320	1.239	4.181	1.701	1.362
Some college	1.332	1.258	2.777	2.147	1.136
Bachelor's degree	1.638	1.301	3.545	2.676	1.102
Graduate degree	2.692	1.286	7.942	5.029	1.234
Missing	2.048	1.436	3.719	2.753	1.271
Household income					
Less than \$25,000	2.601	1.472	3.503	2.194	1.592
\$25,000-\$49,999	2.303	1.298	3.157	2.121	1.512
\$50,000-\$74,999	2.155	1.356	4.443	2.053	1.330
\$75,000-\$99,999	1.907	2.037	4.176	2.533	1.991
\$100,000-\$149,999	2.246	1.139	4.357	2.959	1.104
\$150,000 or more	1.696	1.453	4.176	4.707	1.047
Missing	2.165	1.750	3.112	3.593	1.591
Home tenure					
Own	0.946	0.589	2.398	1.356	0.622
Rent	1.902	1.328	2.878	1.583	1.391
Missing	2.641	1.671	3.296	2.550	1.545

See notes at end of table.

Table F.50 Standard errors for Table 4.2.8: PFI overall response rate, by likely-Spanish-speaking classification, targeted materials condition, and selected household characteristics: 2019–Continued

Selected household characteristics	All cases		Likely-Spanish-speaking households		Not-likely-Spanish-speaking households
	Targeted	Baseline	Targeted	Baseline	
Number of adults in household					
1	1.216	0.903	2.032	1.317	0.969
2	1.453	0.890	3.801	2.206	0.823
3	3.576	1.824	10.450	2.527	1.867
4 or more	4.113	3.294	7.335	5.045	3.703
Missing	2.161	1.809	3.076	3.651	1.600
Household flagged as having children					
Yes	1.392	0.884	2.898	1.636	0.771
No	1.112	0.683	1.841	1.254	0.763
Ability to match address to phone number					
Phone number available	0.978	0.601	2.162	1.262	0.632
No phone number available	1.560	1.052	2.729	1.716	0.996
Route type					
Street	0.829	0.583	1.947	1.352	0.611
P.O. box	12.809	12.680	†	11.138	11.767
Rural route	†	†	†	†	†
High rise	2.475	1.203	3.138	1.577	1.651
Dwelling type					
Single unit	0.823	0.572	1.960	1.221	0.624
Multi-unit	2.283	1.449	2.879	2.017	1.534
Missing	12.809	12.680	†	11.138	11.767
Vacancy status					
Flagged as vacant	4.036	6.000	11.070	6.709	7.308
Not flagged as vacant	0.853	0.518	1.709	1.011	0.582
Seasonal address type					
Seasonal or educational seasonal delivery	†	†	†	†	†
No seasonal delivery	0.842	0.522	1.684	0.987	0.568
Drop point address type					
Drop point	11.342	3.978	†	3.978	6.782
Not a drop point	0.844	0.538	1.726	1.020	0.572
Census region					
Northeast	2.363	1.312	3.307	3.210	1.187
South	1.281	0.769	2.767	1.596	0.746
Midwest	1.759	1.206	8.357	3.411	1.099
West	1.666	1.119	2.438	1.282	1.400
Race/ethnicity stratum					
25% or more Black	1.811	1.094	4.244	2.154	1.162
40% or more Hispanic	1.852	1.162	1.852	1.162	†
Other	1.081	0.689	3.687	2.445	0.638

See notes at end of table.

Table F.50 Standard errors for Table 4.2.8: PFI overall response rate, by likely-Spanish-speaking classification, targeted materials condition, and selected household characteristics: 2019—Continued

Selected household characteristics	All cases		Likely-Spanish-speaking households		Not-likely-Spanish-speaking households
	Targeted	Baseline	Targeted	Baseline	
Tract poverty rate					
20 percent or higher	1.616	1.064	2.161	1.391	1.380
Below 20 percent	1.009	0.558	2.815	1.224	0.590
Extent of missing frame information					
High	2.307	1.516	3.780	2.804	1.362
Medium	1.174	1.120	2.202	1.520	1.167
Low	1.200	0.704	2.961	1.463	0.682
Census Low Response Score					
First quartile (low)	1.518	1.078	8.241	3.164	0.961
Second quartile	1.887	0.894	4.612	2.649	0.913
Third quartile	1.720	0.988	3.397	1.817	1.083
Fourth quartile (high)	1.588	1.040	1.872	1.385	1.472
Percent of persons in block group without a high school diploma					
First quartile (low)	1.108	0.888	3.178	2.959	0.767
Second quartile	1.791	1.181	3.446	3.081	1.084
Third quartile	1.523	1.048	3.615	1.818	1.114
Fourth quartile (high)	1.828	1.113	2.096	1.300	1.528
Percent of persons in block group who are Black					
First quartile (low)	1.434	1.156	3.722	2.035	1.099
Second quartile	1.832	1.207	3.617	3.091	1.054
Third quartile	1.868	0.936	3.170	1.427	1.084
Fourth quartile (high)	1.712	1.090	3.148	2.020	1.187
Percent of persons in block group speaking a non-English language					
First quartile (low)	1.829	1.215	11.335	4.498	1.047
Second quartile	1.554	1.163	7.737	3.306	1.110
Third quartile	1.502	1.170	4.491	2.273	1.056
Fourth quartile (high)	1.577	1.158	1.837	1.201	1.466

† Not applicable.

NOTE: PFI is Parent and Family Involvement topical survey.

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Household Education Surveys Program (NHES), 2019. U.S. Census Bureau, American Community Survey (ACS), 2013-2017.