

National Center for Education Statistics

Table 1.

Number of public high school-level teachers who reported a main assignment in a specified field and the percentage distribution with a major, minor, and/or certification in that main assignment, by state: 2011–12

State	Number of teachers ²	Major in main assignment			Major/minor in main assignment			No major in main assignment ¹			Total certified
		Total	Certified ³	Not certified	Total	Certified ³	Not certified	Total	Certified ³	Not certified	
United States	693,400	77.8	68.4	9.4	82.6	72.3	10.3	22.2	14.8	7.4	83.2
Alabama	7,900	75.2	60.6	14.6	77.8	62.0	15.9	24.8	13.3	11.5	73.9
Alaska	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡
Arizona	12,900	68.4	53.1	15.3	76.6	58.2	18.4	31.6	18.3	13.4	71.4
Arkansas	7,100	67.4	61.1	‡	74.4	66.5	7.9 !	32.6	21.3	11.3 !	82.4
California	64,000	76.1	65.0	11.1	80.3	68.5	11.9	23.9	15.6	8.3	80.6
Colorado	13,900	79.4	69.8	9.6 !	84.8	74.3	10.5	20.6	11.5 !	9.0 !	81.4
Connecticut	10,200	85.5	79.4	6.1 !	88.4	82.3	6.1 !	14.5	11.0	3.5 !	90.4
Delaware	1,300	80.2	70.7	‡	87.7	76.5	‡	19.8	14.8 !	‡	85.4
District of Columbia	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡
Florida	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡
Georgia	22,600	83.4	70.8	12.6 !	84.1	71.6	12.6 !	16.6 !	‡	‡	84.8
Hawaii	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡
Idaho	3,200 !	71.1	63.5	‡	80.5	72.9	‡	28.9	23.9 !	5.0 !	87.4
Illinois	28,900	85.7	76.3	9.4	88.7	78.7	9.9	14.3	10.4 !	3.9 !	86.7
Indiana	12,700	74.8	68.1	6.6 !	81.3	73.1	8.2 !	25.2	18.1	7.2 !	86.2
Iowa	6,600	81.1	73.9	‡	85.2	78.0	‡	18.9	9.4	9.4 !	83.3
Kansas	7,100	72.8	68.8	3.9 !	76.7	72.5	4.3 !	27.2	21.1	6.2 !	89.9
Kentucky	8,400	79.4	69.5	9.9 !	82.2	70.7	11.4	20.6	9.3 !	11.3	78.8
Louisiana	8,700	62.4	54.0	8.4 !	70.0	58.1	11.9	37.6	22.9	14.7	76.9
Maine	4,000	76.6	66.0	10.7 !	79.0	67.2	11.8 !	23.4	16.7 !	6.6 !	82.7
Maryland	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡
Massachusetts	17,700	84.1	71.0	13.1 !	87.8	74.7	13.1 !	15.9	14.0	‡	85.0
Michigan	22,100	82.4	75.7	6.8	91.8	83.8	8.0	17.6	12.6	5.0	88.2
Minnesota	14,900	88.1	79.4	8.7	90.3	80.9	9.4	11.9	7.9	4.0	87.3
Mississippi	5,800	64.4	56.1	8.2 !	75.1	64.8	10.3	35.6	26.3	9.4	82.4
Missouri	14,100	77.5	68.6	8.9 !	82.8	72.8	9.9 !	22.5	14.5	8.0	83.2
Montana	2,600	73.8	62.6	11.2 !	78.8	66.5	12.3	26.2	17.7	8.5 !	80.3
Nebraska	5,000	74.9	67.8	7.1	78.9	71.9	7.1	25.1	18.0	7.2 !	85.8
Nevada	5,000	76.2	63.5	12.7	82.9	67.4	15.5	23.8	13.8 !	10.0 !	77.3
New Hampshire	3,900	83.5	75.9	7.6 !	88.2	79.4	8.8 !	16.5 !	11.5 !	5.1 !	87.4

See notes at end of table.

National Center for Education Statistics

Table 1.

Number of public high school-level teachers who reported a main assignment in a specified field and the percentage distribution with a major, minor, and/or certification in that main assignment, by state: 2011–12—Continued

State	Number of teachers ²	Major in main assignment			Major/minor in main assignment			No major in main assignment ¹			Total certified
		Total	Certified ³	Not certified	Total	Certified ³	Not certified	Total	Certified ³	Not certified	
New Jersey	25,500	87.0	80.2	6.9	89.9	82.6	7.4	13.0	10.7	‡	90.9
New Mexico	3,600 !	63.1	54.3	‡	76.2	64.1	12.1 !	36.9	28.5	8.4 !	82.7
New York	51,400	84.4	71.5	12.9 !	86.0	73.1	12.9 !	15.6	6.9	8.7 !	78.4
North Carolina	19,700	84.9	79.1	‡	85.4	79.1	6.3 !	15.1 !	11.5 !	‡	90.6
North Dakota	2,200	83.4	74.9	‡	89.6	80.3	‡	16.6	13.0	‡	87.9
Ohio	27,700	84.0	75.4	8.5	86.7	77.9	8.8	16.0	9.9	6.2	85.3
Oklahoma	10,900	63.7	54.6	9.1	75.4	61.7	13.7	36.3	21.9	14.4 !	76.5
Oregon	6,100	80.8	73.5	7.3 !	84.7	76.7	7.9 !	19.2	14.4	4.8 !	87.8
Pennsylvania	30,900	83.0	75.2	7.8 !	86.1	77.8	8.3 !	17.0	10.4	6.6 !	85.6
Rhode Island	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡	‡
South Carolina	11,500	84.5	77.4	‡	88.5	80.5	8.0 !	15.5	11.4	4.1 !	88.8
South Dakota	2,600	72.1	61.3	10.8 !	80.1	66.7	13.4 !	27.9	17.6	10.4 !	78.8
Tennessee	13,800	69.0	61.5	7.6 !	73.1	64.7	8.4 !	31.0	19.5	11.4 !	81.0
Texas	72,400	66.5	57.0	9.4	76.8	65.6	11.2	33.5	24.0	9.5	81.1
Utah	5,000	79.0	68.1	10.8	87.4	73.7	13.7	21.0	11.3	9.7 !	79.4
Vermont	1,700	75.4	63.8	11.6 !	82.2	69.6	12.6 !	24.6	18.2	6.4 !	82.0
Virginia	17,900	85.8	78.3	7.4 !	89.6	81.2	8.4	14.2	10.9	‡	89.2
Washington	9,800	71.3	57.4	14.0	77.3	62.1	15.3	28.7	18.8	9.9	76.1
West Virginia	5,200	84.6	69.9	14.6 !	86.5	71.4	15.1 !	15.4 !	‡	4.2 !	81.2
Wisconsin	11,400	83.4	73.5	9.9	90.1	78.9	11.2	16.6	11.7	5.0 !	85.1
Wyoming	1,700	80.9	77.9	3.0 !	87.0	83.7	3.3 !	19.1 !	16.6 !	‡	94.5

! Interpret data with caution. The standard error for this estimate is equal to 30 percent or more of the estimate's value.

‡ Reporting standards not met. The coefficient of variation (CV) for this estimate is 50 percent or greater (i.e., the standard error is 50 percent or more of the estimate) or the response rate is below 50 percent.

¹ "No major in main assignment" includes teachers with a minor in main assignment.

² Includes the subsample of high school-level teachers (defined below) who reported a main assignment in English, mathematics, science, social science, French, German, Latin, Spanish, art/arts or crafts, music, or dance/theater.

³ Teachers of art/arts and crafts, music, dance and drama/theater were allowed to report an ungraded or secondary level (grades 9–12) certification.

NOTE: Teachers include traditional public school and public charter school teachers who taught departmentalized classes to students in any of grades 10–12, or grade 9 and no grade lower. Each main assignment includes several subfields. Under science and social science, several subfields are examined in detail. These subfields are not inclusive of all subfields in the subject and, therefore, do not add to the broad field total. Majors are included regardless of whether they were held within or outside the school/college of education. Majors in main assignment are credited if they were held at the bachelor's degree level or higher. A certification is credited if it is a regular or standard state certificate or a probationary certification in-subject and at the secondary level. Detail may not sum to totals because of rounding and because some data are not shown.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Schools and Staffing Survey (SASS), "Public School Teacher Data File," 2011–12.

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Table 2.

Number of public high school-level teachers who reported a main assignment in a specified field and the percentage distribution with a major, minor, and/or certification in that main assignment, by selected teacher and school characteristics: 2011–12

Selected teacher and school characteristic	Number of teachers ²	Major in main assignment			Major/minor in main assignment			No major in main assignment ¹			Total certified
		Total	Certified ³	Not certified	Total	Certified ³	Not certified	Total	Certified ³	Not certified	
All teachers	693,400	77.8	68.4	9.4	82.6	72.3	10.3	22.2	14.8	7.4	83.2
Average class size											
10 or fewer students	33,600	63.2	52.0	11.2	69.0	56.6	12.3	36.8	16.9	19.9	68.9
11-18	146,300	74.7	65.9	8.8	79.6	69.7	9.9	25.3	15.5	9.9	81.3
19-27	313,600	79.8	71.4	8.4	84.5	75.5	9.1	20.2	15.0	5.2	86.4
28 or more students	199,900	79.4	68.3	11.1	84.2	71.9	12.3	20.6	13.8	6.8	82.0
Years of teaching experience											
3 or fewer	84,500	74.3	59.9	14.4	77.9	62.4	15.6	25.7	15.4	10.3	75.3
4-9	202,700	78.5	69.1	9.4	82.6	72.6	10.1	21.5	14.8	6.7	83.9
10-19	240,900	78.5	70.3	8.3	83.4	74.4	9.0	21.5	15.3	6.2	85.6
20 or more	165,300	77.6	69.1	8.5	84.0	74.0	9.9	22.4	13.9	8.5	83.0
School classification											
Charter school	25,500	71.9	57.3	14.6 !	77.5	60.4	17.1 !	28.1	15.7	12.4 !	73.0
Traditional public school	667,900	78.0	68.8	9.2	82.8	72.8	10.1	22.0	14.8	7.2	83.6
Community type ⁴											
City	177,600	78.0	66.7	11.4	83.0	70.6	12.4	22.0	13.1	8.9	79.8
Suburban	218,000	81.2	71.7	9.5	85.4	75.3	10.1	18.8	13.9	4.9	85.6
Town	76,500	76.1	67.0	9.1	81.6	71.3	10.3	23.9	15.7	8.2	82.7
Rural	221,300	74.8	67.0	7.8	80.0	71.1	8.9	25.2	16.8	8.4	83.8
Student enrollment											
Less than 100	14,900	56.9	47.2	9.7	64.5	53.9	10.7	43.1	19.7	23.4	66.9
100-199	25,500	72.6	60.7	11.9	79.7	66.2	13.5	27.4	15.1	12.4	75.7
200-499	101,100	72.0	62.1	9.9	77.4	66.4	10.9	28.0	16.6	11.4	78.7
500-749	81,400	79.2	68.6	10.6	84.0	71.9	12.0	20.8	14.0	6.8	82.7
750-999	66,300	80.8	69.7	11.0	84.7	73.4	11.3	19.2	13.2	6.0 !	82.9
1,000-1,499	141,000	78.7	70.8	7.8	82.3	73.9	8.4	21.3	14.7	6.7	85.5
1,500 or more	263,100	80.1	71.1	9.0	85.2	75.2	10.0	19.9	14.6	5.3	85.6

See notes at end of table.

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Table 2.

Number of public high school-level teachers who reported a main assignment in a specified field and the percentage distribution with a major, minor, and/or certification in that main assignment, by selected teacher and school characteristics: 2011–12—Continued

Selected teacher and school characteristic	Number of teachers ²	Major in main assignment			Major/minor in main assignment			No major in main assignment ¹			Total certified
		Total	Certified ³	Not certified	Total	Certified ³	Not certified	Total	Certified ³	Not certified	
Percent of K-12 students in school who are of a racial/ethnic minority ⁵											
Less than 20	226,000	81.4	72.6	8.8	85.5	76.1	9.4	18.6	12.7	6.0	85.3
20 to 59	229,600	75.2	67.0	8.1	81.5	72.2	9.3	24.8	17.1	7.7	84.2
60 or more	237,800	76.9	65.7	11.2	81.0	68.8	12.2	23.1	14.6	8.4	80.3
Percent of K-12 students in school who were approved for free or reduced-price lunches											
Less than 35	280,600	82.0	73.3	8.7	86.4	77.0	9.4	18.0	13.0	5.0	86.4
35-49	139,900	77.5	70.0	7.5	82.0	73.5	8.5	22.5	15.5	7.0	85.5
50-74	157,800	73.6	64.1	9.5	79.0	68.5	10.5	26.4	16.8	9.7	80.8
75 or more	98,000	74.7	60.9	13.8	80.0	64.7	15.3	25.3	15.2	10.1	76.1
School did not participate in free or reduced-price lunch program	17,000	68.7	58.0	10.7	74.8	63.6	11.1	31.3	18.1	13.3 !	76.0

¹ "No major in main assignment" includes teachers with a minor in main assignment.

² Includes the subsample of high school-level teachers (defined below) who reported a main assignment in English, mathematics, science, social science, French, German, Latin, Spanish, art/arts or crafts, music, or dance/theater.

³ Teachers of art/arts and crafts, music, dance and drama/theater were allowed to report an ungraded or secondary level (grades 9-12) certification.

⁴ Community type is a 4-level collapse of the urban-centric school locale code (SLOCP12) for 2011–12 SASS school. The origin of SLOCP12 is the ULOCALE variable from the 2009–10 Common Core Data (CCD) Elementary/Secondary Locale Code File.

⁵ Racial/ethnic minority includes Hispanic or Latino, regardless of race, Black, not of Hispanic or Latino origin, Asian or Pacific Islander, and American Indian or Alaska Native.

NOTE: Teachers include traditional public school and public charter school teachers who taught departmentalized classes to students in any of grades 10-12 or grade 9 and no grade lower. "Major in main assignment" columns include all teachers, regardless of whether the major was earned within or outside a department, college, or school of education. Majors in main assignment are credited if they were earned at the bachelor's degree level or higher. A certification is credited if it is a regular or standard state certificate, or a probationary certification in-subject and at the secondary level (grades 9-12). Detail may not sum to totals because of rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Schools and Staffing Survey (SASS), "Public School Teacher Data File," 2011-12.

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Table 3.

Number of public high school-level teachers with a main assignment in English and the percentage distribution with a major, minor, and/or certification in English, by selected teacher and school characteristics: 2011–12

Selected teacher and school characteristic	Number of teachers ²	Major in English			Major/minor in English			No major in English ¹			Total certified in English
		Total	Certified in English	Not certified in English	Total	Certified in English	Not certified in English	Total	Certified in English	Not certified in English	
All teachers with an English main assignment	152,400	79.4	69.4	9.9	84.0	73.4	10.6	20.6	12.7	8.0	82.1
Average class size											
10 or fewer students	9,100	60.7	47.8	13.0 !	66.1	53.2	13.0 !	39.3	19.3 !	20.0	67.1
11-18	31,400	77.1	66.8	10.3	81.2	70.7	10.6	22.9	12.8	10.1	79.6
19-27	71,100	83.3	74.8	8.5	87.5	78.6	8.9	16.7	11.6	5.1	86.4
28 or more students	40,900	78.4	67.0	11.4	84.1	71.1	13.1	21.6	13.1	8.6	80.0
Years of teaching experience											
3 or fewer	18,600	75.2	59.8	15.4	78.7	62.7	16.0	24.8	14.5	10.3 !	74.3
4-9	45,100	83.0	71.7	11.3	86.8	75.2	11.6	17.0	10.9	6.1	82.7
10-19	54,100	81.3	72.6	8.7	86.1	76.9	9.2	18.7	13.2	5.5	85.8
20 or more	34,600	73.8	66.7	7.1	80.1	71.5	8.6	26.2	13.2	13.0	79.9
School classification											
Charter school	5,300	72.9	58.4	14.5	79.2	60.6	18.5	27.1	11.6 !	15.5 !	70.0
Traditional public school	147,100	79.6	69.8	9.8	84.2	73.9	10.3	20.4	12.7	7.7	82.6
Community type ³											
City	38,800	81.8	67.7	14.1	85.0	70.4	14.7	18.2	9.0	9.2	76.7
Suburban	47,800	83.3	75.2	8.1	88.1	79.8	8.3	16.7	11.9	4.7	87.2
Town	17,100	74.5	69.8	4.7 !	79.5	74.2	5.2 !	25.5	13.6	11.9	83.4
Rural	48,700	75.2	65.0	10.2	80.8	69.4	11.5	24.8	16.0	8.7	81.1
Student enrollment											
Less than 100	3,200 !	62.1	58.3	‡	65.7	62.0	‡	37.9	21.8 !	16.1 !	80.2
100-199	6,000	78.1	59.3	18.8 !	81.7	62.4	19.3 !	21.9	12.5	9.4 !	71.8
200-499	22,200	73.6	61.0	12.6	78.3	64.4	13.9	26.4	13.7	12.7	74.7
500-749	16,800	78.5	66.6	11.9 !	85.3	72.8	12.5 !	21.5	17.0	4.5	83.6
750-999	14,800	82.3	69.4	12.9 !	84.8	71.7	13.1 !	17.7	11.8	5.9 !	81.2
1,000-1,499	29,200	79.7	72.5	7.2	83.6	76.4	7.3	20.3	11.9	8.4	84.4
1,500 or more	60,400	81.9	73.4	8.4	87.0	77.6	9.3	18.1	11.3	6.9	84.7

See notes at end of table.

National Center for Education Statistics

Table 3.

Number of public high school-level teachers with a main assignment in English and the percentage distribution with a major, minor, and/or certification in English, by selected teacher and school characteristics: 2011–12—Continued

Selected teacher and school characteristic	Number of teachers ²	Major in English			Major/minor in English			No major in English ¹			Total certified in English
		Total	Certified in English	Not certified in English	Total	Certified in English	Not certified in English	Total	Certified in English	Not certified in English	
Percent of K-12 students in school who are of a racial/ethnic minority ⁴											
Less than 20	48,800	82.0	73.3	8.7	86.1	77.0	9.1	18.0	10.3	7.7	83.7
20 to 59	51,100	74.6	67.3	7.2	81.3	72.9	8.4	25.4	17.4	8.0	84.8
60 or more	52,600	81.6	67.9	13.7	84.7	70.6	14.2	18.4	10.3	8.2	78.1
Percent of K-12 students in school who were approved for free or reduced-price lunches											
Less than 35	59,900	83.0	75.4	7.6	87.1	79.1	7.9	17.0	11.0	6.0	86.4
35-49	29,900	79.1	72.6	6.5	83.0	75.6	7.4	20.9	13.2	7.7 !	85.9
50-74	36,000	76.0	63.5	12.5	82.0	68.6	13.4	24.0	15.3	8.7	78.8
75 or more	22,300	77.2	60.8	16.4	81.2	64.1	17.1	22.8	10.8	12.0	71.6
School did not participate in free or reduced-price lunch program	4,400 †	69.6	58.4	11.2 !	80.0	68.1	11.9 !	30.4 !	20.9 !	9.5 !	79.4

! Interpret data with caution. The standard error for this estimate is equal to 30 percent or more of the estimate's value.

† Reporting standards not met.

¹ "No major in English" includes teachers with a minor in English.

² "All teachers with an English main assignment" includes the subsample of high school-level teachers who reported a main assignment in communications, composition, English, journalism, language arts, reading, or speech.

³ Community type is a 4-level collapse of the urban-centric school locale code (SLOCP12) for 2011-12 SASS school. The origin of SLOCP12 is the ULOCALE variable from the 2009–10 Common Core Data (CCD) Elementary/Secondary Locale Code File.

⁴ Racial/ethnic minority includes Hispanic or Latino, regardless of race, Black, not of Hispanic or Latino origin, Asian or Pacific Islander, and American Indian or Alaska Native.

NOTE: Teachers include traditional public school and public charter school teachers who taught departmentalized classes to students in any of grades 10–12 or grade 9 and no grade lower. Included in the "Major in English" columns are all teachers, regardless of whether the major was earned within or outside a department, college, or school of education. Majors in English are credited if they were earned at the bachelor's degree level or higher. "Certified in English" columns contain teachers with a regular or standard state certificate, or a probationary certification in main assignment and at the high school-level. Detail may not sum to totals because of rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Schools and Staffing Survey (SASS), "Public School Teacher Data File," 2011-12.

National Center for Education Statistics

Table 4.

Number of public high school-level teachers with a main assignment in mathematics and the percentage distribution with a major, minor, and/or certification in mathematics, by selected teacher and school characteristics: 2011–12

Selected teacher and school characteristic	Number of teachers ²	Major in mathematics			Major/minor in mathematics			No major in mathematics ¹			Total certified in mathematics
		Total	Certified in mathematics	Not certified in mathematics	Total	Certified in mathematics	Not certified in mathematics	Total	Certified in mathematics	Not certified in mathematics	
All teachers with a mathematics main assignment	144,800	70.1	61.5	8.7	75.4	65.6	9.8	29.9	19.4	10.4	80.9
Average class size											
10 or fewer students	7,900 !	61.4	52.7	8.7 !	67.3	55.9	11.3 !	38.6	17.1 !	21.4 !	69.9
11-18	33,700	66.8	59.1	7.7	70.8	61.9	8.9	33.2	19.5	13.7	78.6
19-27	70,200	71.0	64.0	6.9	77.4	69.6	7.8	29.0	20.7	8.3	84.8
28 or more students	33,000	73.8	60.5	13.3	77.9	63.4	14.6	26.2	17.2	9.0	77.7
Years of teaching experience											
3 or fewer	21,500	66.7	56.9	9.8	70.0	59.5	10.5	33.3	17.9	15.4	74.8
4-9	41,500	69.7	60.3	9.4	74.3	63.8	10.5	30.3	20.5	9.8	80.8
10-19	47,000	71.7	64.7	7.1	75.8	68.1	7.7	28.3	19.2	9.0	83.9
20 or more	34,800	70.6	61.4	9.2	79.7	68.4	11.3	29.4	19.4	10.0	80.8
School classification											
Charter school	5,800	62.9	52.4	10.5 !	70.0	56.7	13.3 !	37.1 !	17.9 !	‡	70.4
Traditional public school	139,000	70.4	61.9	8.6	75.6	66.0	9.6	29.6	19.5	10.1	81.4
Community type ³											
City	37,800	71.4	60.0	11.4	76.1	63.4	12.7	28.6	15.8	12.8	75.7
Suburban	45,400	72.0	64.7	7.3	77.5	69.4	8.1	28.0	21.2	6.7	86.0
Town	15,900	71.3	64.3	7.0	77.6	69.0	8.6	28.7	17.5	11.3	81.7
Rural	45,700	66.8	58.5	8.3	72.0	62.6	9.4	33.2	21.4	11.8	79.9
Student enrollment											
Less than 100	3,700 !	38.7	29.4 !	‡	43.3	33.3 !	‡	61.3	‡	41.8	49.0
100-199	5,100	60.6	51.8	8.8 !	69.9	57.6	12.3 !	39.4	20.9 !	18.5 !	72.7
200-499	20,800	68.0	58.9	9.2	73.5	63.0	10.4	32.0	16.8	15.2	75.7
500-749	17,000	72.7	67.0	‡	77.9	70.2	7.7 !	27.3	17.2	10.0	84.2
750-999	14,700	72.8	60.8	12.0 !	80.4	68.2	12.2	27.2	19.9	7.2 !	80.7
1,000-1,499	28,400	69.9	62.1	7.8 !	73.3	64.5	8.8 !	30.1	20.9	9.2 !	83.0
1,500 or more	55,100	72.5	63.7	8.8	77.8	68.1	9.8	27.5	20.1	7.4	83.8

See notes at end of table.

National Center for Education Statistics

Table 4.

Number of public high school-level teachers with a main assignment in mathematics and the percentage distribution with a major, minor, and/or certification in mathematics, by selected teacher and school characteristics: 2011–12—Continued

Selected teacher and school characteristic	Number of teachers ²	Major in mathematics			Major/minor in mathematics			No major in mathematics ¹			Total certified in mathematics
		Total	Certified in mathematics	Not certified in mathematics	Total	Certified in mathematics	Not certified in mathematics	Total	Certified in mathematics	Not certified in mathematics	
Percent of K-12 students in school who are of a racial/ethnic minority ⁴											
Less than 20	45,000	75.3	66.7	8.7	80.2	70.9	9.3	24.7	17.2	7.5	83.9
20 to 59	47,200	66.9	61.3	5.5	74.0	67.0	7.0	33.1	21.2	12.0	82.5
60 or more	52,600	68.6	57.2	11.4	72.6	60.0	12.7	31.4	19.8	11.6	77.0
Percent of K-12 students in school who were approved for free or reduced-price lunches											
Less than 35	55,800	76.7	69.3	7.5	82.5	74.1	8.5	23.3	16.9	6.4	86.1
35-49	29,000	70.1	61.3	8.8	73.4	64.1	9.3	29.9	20.9	9.0 !	82.2
50-74	32,200	65.2	57.4	7.9 !	69.6	60.8	8.8	34.8	19.9	14.9	77.2
75 or more	23,400	64.7	51.5	13.2 !	71.9	56.1	15.8 !	35.3	22.2	13.2	73.6
School did not participate in free or reduced-price lunch program	‡	50.9	47.0 !	‡	59.8	55.1	‡	49.1	24.4 !	‡	71.4

! Interpret data with caution. The standard error for this estimate is equal to 30 percent or more of the estimate's value.

‡ Reporting standards not met.

¹ "No major in mathematics" includes teachers with a minor in mathematics.

² "All teachers with a mathematics main assignment" includes the subsample of high school-level teachers who reported a main assignment in algebra (elementary, intermediate, or advanced), basic and general mathematics, business and applied math, calculus and precalculus, computer science, geometry, prealgebra, statistics and probability, or trigonometry.

³ Community type is a 4-level collapse of the urban-centric school locale code (SLOCP12) for 2011-12 SASS school. The origin of SLOCP12 is the ULOCALE variable from the 2009–10 Common Core Data (CCD) Elementary/Secondary Locale Code File.

⁴ Racial/ethnic minority includes Hispanic or Latino, regardless of race, Black, not of Hispanic or Latino origin, Asian or Pacific Islander, and American Indian or Alaska Native.

NOTE: Teachers include traditional public school and public charter school teachers who taught departmentalized classes to students in any of grades 10–12 or grade 9 and no grade lower. Included in the "Major in mathematics" columns are all teachers, regardless of whether the major was earned within or outside a department, college, or school of education. Majors in mathematics are credited if they were earned at the bachelor's degree level or higher. "Certified in mathematics" columns contain teachers with a regular or standard state certificate, or a probationary certification in main assignment and at the high school-level. Detail may not sum to totals because of rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Schools and Staffing Survey (SASS), "Public School Teacher Data File," 2011-12.

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Table 5.

Number of public high school-level teachers with a main assignment in science and the percentage distribution with a major, minor, and/or certification in science, by selected teacher and school characteristics: 2011–12

Selected teacher and school characteristic	Number of teachers ²	Major in science			Major/minor in science			No major in science ¹			Total certified in science
		Total	Certified in science	Not certified in science	Total	Certified in science	Not certified in science	Total	Certified in science	Not certified in science	
All teachers with a science main assignment	126,300	79.7	72.3	7.3	84.9	76.5	8.3	20.3	13.4	7.0	85.7
Average class size											
10 or fewer students	4,400	52.8	44.7	8.1 !	58.4	48.9	9.5 !	47.2	18.7 !	28.5 !	63.4
11-18	26,100	74.7	67.1	7.7 !	81.6	72.7	8.9 !	25.3	16.8	8.4	83.9
19-27	61,400	81.9	75.7	6.3	87.3	80.0	7.3	18.1	13.1	5.0 !	88.8
28 or more students	34,400	82.8	74.0	8.9	86.4	76.7	9.7	17.2	10.6	6.6 !	84.5
Years of teaching experience											
3 or fewer	15,000	77.3	58.6	18.8	79.1	59.8	19.3	22.7 !	12.8	‡	71.4
4-9	37,400	79.5	73.1	6.4 !	84.1	76.8	7.3	20.5	14.3	6.1	87.5
10-19	44,200	80.7	75.3	5.5	87.2	81.3	5.8	19.3	13.6	5.7 !	88.9
20 or more	29,700	79.4	73.8	5.5 !	85.3	77.5	7.8	20.6	12.2	8.5	86.0
School classification											
Charter school	4,800	82.5	68.6	‡	87.2	71.6	15.6 !	‡	8.8 !	‡	77.4
Traditional public school	121,500	79.5	72.5	7.1	84.8	76.7	8.1	20.5	13.6	6.9	86.0
Community type ³											
City	32,700	80.5	73.9	6.6 !	86.2	78.2	8.0	19.5	11.5	‡	85.4
Suburban	39,800	86.2	77.5	8.6	89.5	80.7	8.8	13.8	10.3	3.5	87.8
Town	13,600	76.7	66.2	10.5 !	83.3	70.9	12.3	23.3	17.2	6.1 !	83.4
Rural	40,200	73.6	68.0	5.6	79.7	72.9	6.8	26.4	16.6	9.8	84.6
Student enrollment											
Less than 100	2,700	44.4	36.6 !	‡	62.8	52.6	10.1 !	55.6	30.9 !	24.6 !	67.6
100-199	4,200	79.0	62.5	‡	83.1	63.3	19.8 !	21.0 !	‡	16.5 !	66.9
200-499	17,800	65.3	58.9	6.4 !	72.3	65.5	6.9 !	34.7	22.3	12.5 !	81.2
500-749	14,900	80.7	70.4	10.3 !	85.6	73.1	12.4 !	19.3	11.0	8.3 !	81.4
750-999	11,700	81.0	75.4	‡	84.5	78.6	5.9 !	19.0 !	9.5	‡	84.9
1,000-1,499	27,600	84.6	78.0	6.5 !	87.3	80.7	6.6 !	15.4	11.5	4.0 !	89.5
1,500 or more	47,300	83.6	76.8	6.8	89.4	81.3	8.1	16.4	12.7	3.7	89.5

See notes at end of table.

National Center for Education Statistics

Table 5.

Number of public high school-level teachers with a main assignment in science and the percentage distribution with a major, minor and/or certification in science, by selected teacher and school characteristics: 2011–12—Continued

Selected teacher and school characteristic	Number of teachers ²	Major in science			Major/minor in science			No major in science ¹			Total certified in science
		Total	Certified in science	Not certified in science	Total	Certified in science	Not certified in science	Total	Certified in science	Not certified in science	
Percent of K-12 students in school who are of a racial/ethnic minority ⁴											
Less than 20	40,600	83.8	75.7	8.1	88.0	79.1	8.9	16.2	11.4	4.9	87.1
20 to 59	42,400	76.9	71.1	5.8	82.3	75.8	6.5	23.1	14.9	8.2	86.0
60 or more	43,400	78.5	70.4	8.1	84.5	74.8	9.6	21.5	13.8	7.7 !	84.2
Percent of K-12 students in school who were approved for free or reduced-price lunches											
Less than 35	52,400	86.5	80.2	6.3	90.4	83.4	6.9	13.5	10.1	3.3	90.4
35-49	25,100	77.8	71.0	6.8 !	83.9	75.8	8.2 !	22.2	13.6	8.6 !	84.6
50-74	28,900	72.5	64.3	8.2 !	78.1	68.9	9.3	27.5	18.1	9.4 !	82.4
75 or more	17,200	74.6	65.3	9.3 !	81.9	70.8	11.1	25.4	14.3	‡	79.6
School did not participate in free or reduced-price lunch program	2,600	72.6	62.5	‡	77.5	67.4	‡	27.4 !	18.2 !	9.2 !	80.8

! Interpret data with caution. The standard error for this estimate is equal to 30 percent or more of the estimate's value.

‡ Reporting standards not met.

¹ "No major in science" includes teachers with a minor in science.

² "All teachers with a science main assignment" includes the subsample of high school-level teachers who reported a main assignment in science (general), biology/life sciences, chemistry, Earth sciences, integrated science, physical science, physics, or engineering.

³ Community type is a 4-level collapse of the urban-centric school locale code (SLOCP12) for 2011-12 SASS school. The origin of SLOCP12 is the ULOCALE variable from the 2009–10 Common Core Data (CCD) Elementary/Secondary Locale Code File.

⁴ Racial/ethnic minority includes Hispanic or Latino, regardless of race, Black, not of Hispanic or Latino origin, Asian or Pacific Islander, and American Indian or Alaska Native.

NOTE: Teachers include traditional public school and public charter school teachers who taught departmentalized classes to students in any of grades 10–12 or grade 9 and no grade lower. Included in the "Major in science" columns are all teachers, regardless of whether the major was earned within or outside a department, college, or school of education. Majors in science are credited if they were earned at the bachelor's degree level or higher. "Certified in science" columns contain teachers with a regular or standard state certificate, or a probationary certification in main assignment and at the high school- level. Detail may not sum to totals because of rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Schools and Staffing Survey (SASS), "Public School Teacher Data File," 2011-12.

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Table 6.

Number of public high school-level teachers with a main assignment in social science and the percentage distribution with a major, minor, and/or certification in social science, by selected teacher and school characteristics: 2011–12

Selected teacher and school characteristic	Number of teachers ²	Major in social science			Major/minor in social science			No major in social science ¹			Total certified in social science
		Total	Certified in social science	Not certified in social science	Total	Certified in social science	Not certified in social science	Total	Certified in social science	Not certified in social science	
All teachers with a social science main assignment	120,800	78.9	67.5	11.4	84.1	71.4	12.7	21.1	15.4	5.7	82.9
Average class size											
10 or fewer students	4,000	71.0	49.7	21.3 !	77.3	53.8	23.5 !	29.0	14.9 !	14.1 !	64.6
11-18	19,500	72.6	62.5	10.2	79.8	67.2	12.6	27.4	15.0	12.3 !	77.5
19-27	54,800	80.6	70.8	9.9	85.2	74.5	10.7	19.4	15.5	3.9	86.3
28 or more students	42,500	80.3	67.3	13.0	85.1	70.9	14.3	19.7	15.4	4.3	82.8
Years of teaching experience											
3 or fewer	12,100	75.9	59.4	16.6	81.2	62.6	18.7	24.1	16.7	‡	76.1
4-9	38,500	83.1	71.7	11.4	87.1	75.0	12.1	16.9	13.5	3.4	85.2
10-19	45,900	77.3	67.0	10.3	82.6	71.1	11.6	22.7	17.0	5.7	84.1
20 or more	24,300	76.7	65.9	10.8	83.4	70.6	12.8	23.3	14.6	8.7 !	80.5
School classification											
Charter school	4,800	69.7	56.7	13.0 !	74.2	60.0	14.2 !	30.3 !	‡	5.8 !	81.1
Traditional public school	116,000	79.3	68.0	11.3	84.5	71.8	12.6	20.7	15.0	5.7	83.0
Community type ³											
City	31,600	77.2	66.0	11.2	83.6	71.3	12.3	22.8	16.3	6.5 !	82.3
Suburban	38,200	82.7	68.5	14.3	86.3	70.8	15.5	17.3	12.6	4.6	81.1
Town	13,400	77.4	67.1	‡	84.8	73.0	11.8 !	22.6	17.0	5.6 !	84.1
Rural	37,600	76.9	67.9	9.0	82.0	71.4	10.6	23.1	16.9	6.2	84.8
Student enrollment											
Less than 100	3,100	71.8	55.5	‡	80.7	62.7	‡	28.2	15.9 !	12.3 !	71.4
100-199	4,300	65.7	51.2	14.5 !	74.7	59.8	14.8 !	34.3	18.1 !	16.2 !	69.3
200-499	16,300	76.7	64.8	11.9	84.9	71.3	13.6	23.3	16.4	6.9	81.2
500-749	15,200	81.6	62.5	19.1 !	86.1	64.7	21.4	18.4 !	10.9 !	‡	73.4
750-999	10,100	80.1	70.4	9.8 !	83.7	73.9	9.8 !	19.9	14.9	5.0 !	85.3
1,000-1,499	24,700	77.3	68.9	8.5	81.2	71.6	9.6	22.7	16.6	6.1 !	85.5
1,500 or more	46,900	81.0	71.1	10.0	85.8	74.5	11.3	19.0	15.7	3.3 !	86.7

See notes at end of table.

National Center for Education Statistics

Table 6.

Number of public high school-level teachers with a main assignment in social science and the percentage distribution with a major, minor, and/or certification in social science, by selected teacher and school characteristics: 2011–12—Continued

Selected teacher and school characteristic	Number of teachers ²	Major in social science			Major/minor in social science			No major in social science ¹			Total certified in social science
		Total	Certified in social science	Not certified in social science	Total	Certified in social science	Not certified in social science	Total	Certified in social science	Not certified in social science	
Percent of K-12 students in school who are of a racial/ethnic minority ⁴											
Less than 20	36,900	82.9	72.1	10.9	87.8	75.9	11.9	17.1	12.4	4.7	84.5
20 to 59	40,300	76.0	62.9	13.2	83.5	68.2	15.2	24.0	17.7	6.2	80.6
60 or more	43,600	78.1	67.9	10.2	81.5	70.5	11.0	21.9	15.8	6.1	83.7
Percent of K-12 students in school who are of a racial/ethnic minority ⁴											
Less than 35	46,100	80.7	69.2	11.5	86.2	73.3	12.9	19.3	14.2	5.2 !	83.3
35-49	25,900	80.3	72.7	7.6	85.0	75.7	9.3	19.7	16.0	‡	88.7
50-74	27,600	74.5	65.1	9.4	79.9	69.6	10.4	25.5	16.5	9.0	81.6
75 or more	18,400	78.9	60.8	18.1	84.0	64.7	19.3	21.1	16.2	4.9	76.9
School did not participate in free or reduced-price lunch program	2,800	80.2	60.1	20.1 !	81.3	60.7	20.6 !	‡	‡	‡	73.9

! Interpret data with caution. The standard error for this estimate is equal to 30 percent or more of the estimate's value.

‡ Reporting standards not met.

¹ "No major in social science" includes teachers with a minor in social science.

² "All teachers with a social science main assignment" includes the subsample of high school-level teachers who reported a main assignment in social studies (general), anthropology, economics, geography, government/civics, history, Native American studies, psychology, or sociology.

³ Community type is a 4-level collapse of the urban-centric school locale code (SLOCP12) for 2011-12 SASS school. The origin of SLOCP12 is the ULOCALE variable from the 2009–10 Common Core Data (CCD) Elementary/Secondary Locale Code File.

⁴ Racial/ethnic minority includes Hispanic or Latino, regardless of race, Black, not of Hispanic or Latino origin, Asian or Pacific Islander, and American Indian or Alaska Native.

NOTE: Teachers include traditional public school and public charter school teachers who taught departmentalized classes to students in any of grades 10–12 or grade 9 and no grade lower. Included in the "Major in social science" columns are all teachers, regardless of whether the major was earned within or outside a department, college, or school of education. Majors in social science are credited if they were earned at the bachelor's degree level or higher. "Certified in social science" columns contain teachers with a regular or standard state certificate, or a probationary certification in main assignment and at the high school-level. Detail may not sum to totals because of rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Schools and Staffing Survey (SASS), "Public School Teacher Data File," 2011-12.

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Table 7.

Number of public high school-level teachers who reported a main assignment in a specified field and the percentage distribution of source of degree awarded in their main assignment and/or a certification in that main assignment, by selected main assignments: 2011–12

Selected main assignment	Number of teachers	Major in main assignment										No major in main assignment		Total certified
		Awarded by a department, college, or school of education ¹			Awarded outside department, college, or school of education ²			More than one degree in main assignment awarded both within and outside a department, college, or school of education ³						
		Total	Certified	Not certified	Total	Certified	Not certified	Total	Certified	Not certified	Total	Certified	Not certified	
English	152,400	46.1	40.5	5.6	27.6	23.7	3.9	5.6	5.2	‡	20.6	12.7	8.0	82.1
Mathematics	144,800	48.5	42.2	6.3	18.8	16.8	2.0	2.8	2.5	0.3 !	29.9	19.4	10.4	80.9
Science	126,300	37.7	34.8	2.8	36.6	32.4	4.2	5.4	5.2	0.2 !	20.3	13.4	7.0	85.7
Biology/life sciences	51,900	39.3	35.1	4.2	32.1	27.1	5.0 !	3.1 !	2.6 !	‡	25.6	15.3	10.3	80.0
Physical science	64,600	20.4	16.4	4.0	23.4	19.5	3.9	2.2 !	2.1 !	‡	54.0	29.5	24.5	67.4
Chemistry	24,200	20.1	14.8	5.3 !	24.3	17.8	6.5 !	‡	‡	#	54.1	35.6	18.4	69.8
Earth sciences	12,400	22.3	19.6 !	‡	11.4 !	7.9 !	‡	‡	‡	#	62.1	30.8	31.3	62.5
Physics	13,300	19.2	15.5	3.7 !	28.7	18.7	10.0 !	‡	‡	#	49.6	24.1	25.5	60.8
Social science	120,800	44.4	38.9	5.5	30.9	25.6	5.2	3.6	3.0	‡	21.1	15.4	5.7	82.9
Economics	8,900	‡	#	‡	‡	‡	‡	#	#	#	89.1	18.0 !	71.1	21.7 !
Geography	7,300	‡	‡	‡	#	#	#	#	#	#	98.8	11.0 !	87.9	11.9 !
Government/civics	15,600	‡	‡	‡	‡	‡	‡	#	#	#	93.2	19.8	73.4	21.4 !
History	60,300	27.9	16.9	11.1	26.1	8.7	17.4	0.8 !	‡	‡	45.2	10.9	34.4	36.9
French	11,900	41.5	35.9	5.6 !	32.0	28.5	3.5 !	6.7 !	6.7 !	#	19.9	10.8	9.0 !	81.9
German	3,300	44.4	34.7	‡	26.7 !	23.8 !	‡	‡	‡	#	14.1 !	‡	‡	83.7
Latin	1,400 !	‡	‡	‡	‡	‡	‡	‡	‡	#	45.6 !	43.9 !	‡	92.8
Spanish	50,500	46.6	37.9	8.7	24.2	22.9	‡	2.9 !	‡	‡	26.3	20.7	5.6	84.0
Art/arts and crafts ⁴	33,400	57.7	50.4	7.4 !	18.6	16.8	‡	5.5	5.1	‡	18.1	10.2	7.9	82.5
Music ⁴	38,500	71.6	67.3	4.3	15.7	14.3	‡	6.1 !	5.6 !	‡	6.6	4.5 !	2.2 !	91.8
Dance/drama or theater ¹	10,000	39.8	26.3	‡	26.2	18.9 !	7.3 !	‡	‡	#	26.9 !	19.2 !	7.7 !	71.5

! Interpret data with caution. The standard error for this estimate is equal to 30 percent or more of the estimate's value.

‡ Reporting standards not met.

Rounds to zero.

¹ Includes only teachers who earned a degree with a major in their main assignment from a department, college, or school of education.

² Includes only teachers who earned a degree with a major in their main assignment outside a department, college, or school of education.

³ Includes only teachers who have earned more than one degree with a major in their main assignment: at least one earned from a department, college, or school of education and another earned outside a department, college, or school of education.

⁴ Teachers of art/arts and crafts, music, and dance/theater were allowed to report an ungraded or secondary level (grades 9-12) certification.

NOTE: Teachers include traditional public school and public charter school teachers who taught departmentalized classes to students in any of grades 10–12 or grade 9 and no grade lower. Under science and social science, several subfields are examined in detail. These subfields are not inclusive of all subfields in the subject and, therefore, do not add to the broad field total. See Education and Certification Qualifications of Departmentalized Public High School-Level Teachers of Core Subjects: Evidence from the 2011–12 Schools and Staffing Survey (NCES 2015-814) appendices for technical notes and specific definitions of subjects within main assignment fields and major/certification areas. Majors in main assignment are credited if they were earned at the bachelor's degree level or higher. A certification is credited if it is a regular or standard state certificate, or a probationary certification in-subject and at the secondary level (grades 9-12). In cases where a teacher earned two majors under the first bachelor's degree, the department that awarded the first major was used to assign where the first and second majors were earned. All teachers who earned an educational specialist/professional diploma or Certificate of Advanced Graduate Studies were flagged if they received the degree from a department, college, or school of education. Detail may not sum to totals because of rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Schools and Staffing Survey (SASS), "Public School Teacher Data File," 2011-12.

National Center for Education Statistics

**Table A-1. Standard errors for:
Number of public high school-level teachers who reported a main assignment in a specified field and the percentage distribution with a major, minor, and/or certification in that main assignment, by state: 2011–12**

State	Number of teachers	Major in main assignment			Major/minor in main assignment			No major in main assignment			Total certified
		Total	Certified	Not certified	Total	Certified	Not certified	Total	Certified	Not certified	
United States	20,280	0.70	0.80	0.57	0.63	0.76	0.59	0.70	0.66	0.50	0.70
Alabama	1,090	3.89	4.04	2.72	3.91	4.47	2.83	3.89	2.79	2.76	3.57
Alaska	†	†	†	†	†	†	†	†	†	†	†
Arizona	1,450	3.34	4.17	2.59	3.16	4.31	2.83	3.34	2.57	2.50	3.81
Arkansas	1,160	5.73	5.86	†	5.22	5.78	3.21	5.73	4.62	3.64	3.92
California	3,520	2.10	2.20	1.22	1.95	2.20	1.27	2.10	1.82	1.52	1.85
Colorado	1,690	4.99	6.36	3.18	4.50	5.81	3.13	4.99	3.66	3.51	4.55
Connecticut	1,430	3.10	3.58	2.16	2.76	3.23	2.16	3.10	2.71	1.61	2.55
Delaware	290	5.54	9.70	†	4.41	9.84	†	5.54	4.86	†	10.46
District of Columbia	†	†	†	†	†	†	†	†	†	†	†
Florida	†	†	†	†	†	†	†	†	†	†	†
Georgia	2,600	7.71	8.95	5.24	7.73	9.04	5.24	7.71	†	†	5.48
Hawaii	†	†	†	†	†	†	†	†	†	†	†
Idaho	1,050	8.06	11.13	†	7.27	11.07	†	8.06	8.36	2.22	5.60
Illinois	6,190	3.50	4.30	2.82	3.45	4.24	2.90	3.50	3.13	1.93	3.28
Indiana	1,490	4.11	4.14	2.43	3.50	4.04	2.56	4.11	3.40	2.42	3.25
Iowa	1,140	4.44	5.52	†	4.47	5.52	†	4.44	2.45	4.28	5.64
Kansas	910	3.28	3.84	1.30	3.19	3.68	1.42	3.28	4.00	2.69	2.82
Kentucky	1,620	3.60	4.40	3.16	3.69	4.32	3.24	3.60	2.97	2.92	4.14
Louisiana	1,140	3.86	3.97	2.58	3.88	4.06	2.86	3.86	3.44	2.80	3.30
Maine	430	5.23	5.45	3.34	4.54	5.33	3.80	5.23	5.47	3.09	4.58
Maryland	†	†	†	†	†	†	†	†	†	†	†
Massachusetts	2,540	3.80	6.19	4.85	3.11	5.71	4.85	3.80	3.78	†	5.11
Michigan	1,770	2.51	2.98	1.40	2.06	2.21	1.49	2.51	2.16	1.38	1.86
Minnesota	1,420	2.27	2.77	1.83	2.13	2.71	1.87	2.27	1.70	1.15	2.17
Mississippi	710	4.78	5.78	2.47	4.29	5.59	2.96	4.78	4.28	2.32	3.65
Missouri	1,020	3.49	3.86	3.93	3.10	4.08	3.84	3.49	2.70	2.02	3.91
Montana	360	4.33	5.71	3.62	3.89	5.47	3.66	4.33	4.15	3.01	4.25
Nebraska	960	4.04	4.39	2.02	4.17	4.66	2.02	4.04	3.33	2.29	2.96
Nevada	720	5.09	4.85	3.10	5.08	5.03	3.23	5.09	5.73	3.52	4.58
New Hampshire	500	5.49	6.24	3.50	5.20	6.04	3.87	5.49	5.29	1.91	4.30

See notes at end of table.

National Center for Education Statistics

Table A-1. Standard errors for:

Number of public high school-level teachers who reported a main assignment in a specified field and the percentage distribution with a major, minor, and/or certification in that main assignment, by state: 2011–12—Continued

State	Number of teachers	Major in main assignment			Major/minor in main assignment			No major in main assignment			Total certified
		Total	Certified	Not certified	Total	Certified	Not certified	Total	Certified	Not certified	
New Jersey	2,450	2.29	2.63	1.54	2.09	2.55	1.62	2.29	1.88	†	1.92
New Mexico	1,170	8.15	5.45	†	5.49	5.04	5.16	8.15	6.51	2.62	4.72
New York	5,690	3.44	4.46	4.06	3.25	4.44	4.06	3.44	1.74	3.03	4.69
North Carolina	4,400	4.91	5.84	†	4.87	5.84	3.09	4.91	4.39	†	3.37
North Dakota	250	3.58	4.45	†	3.25	4.53	†	3.58	3.26	†	4.66
Ohio	1,940	2.48	2.65	1.57	2.17	2.52	1.60	2.48	2.30	1.47	2.11
Oklahoma	1,290	4.82	4.59	2.39	4.15	4.78	4.05	4.82	3.42	4.78	4.56
Oregon	670	3.65	4.30	2.60	3.85	4.56	2.57	3.65	3.65	1.85	3.11
Pennsylvania	3,180	3.31	3.65	2.51	3.48	3.97	2.51	3.31	2.81	3.02	3.67
Rhode Island	†	†	†	†	†	†	†	†	†	†	†
South Carolina	1,150	3.22	3.91	†	2.98	4.13	3.69	3.22	3.04	1.95	4.08
South Dakota	370	5.39	5.56	4.35	5.57	6.16	4.58	5.39	5.17	4.34	5.99
Tennessee	1,210	4.48	4.78	3.49	4.13	4.56	3.49	4.48	4.60	3.51	4.61
Texas	13,320	3.22	3.21	2.23	2.76	3.03	2.46	3.22	2.96	2.23	2.74
Utah	530	3.45	3.99	2.96	2.88	4.22	3.21	3.45	3.21	2.94	3.98
Vermont	190	5.18	5.90	3.93	4.52	5.82	3.87	5.18	4.72	2.76	4.96
Virginia	2,510	2.54	3.31	2.35	2.35	3.29	2.43	2.54	2.13	†	3.02
Washington	1,270	3.54	4.06	3.14	3.04	4.14	3.16	3.54	3.29	2.19	4.02
West Virginia	510	6.41	8.16	5.14	6.33	8.05	5.16	6.41	†	1.86	5.58
Wisconsin	1,740	4.36	4.54	2.64	3.74	3.76	2.72	4.36	3.48	2.20	3.28
Wyoming	230	6.13	5.85	1.46	4.16	4.04	1.57	6.13	5.31	†	2.47

† Not applicable.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Schools and Staffing Survey (SASS), "Public School Teacher Data File," 2011–12.

National Center for Education Statistics

Table A-2. Standard errors for:

Number of public high school-level teachers who reported a main assignment in a specified field and the percentage distribution with a major, minor, and/or certification in that main assignment, by selected teacher and school characteristics: 2011–12

Selected teacher and school characteristic	Number of teachers	Major in main assignment			Major/minor in main assignment			No major in main assignment			Total certified
		Total	Certified	Not certified	Total	Certified	Not certified	Total	Certified	Not certified	
All teachers	20,280	0.70	0.80	0.57	0.63	0.76	0.59	0.70	0.66	0.50	0.70
Average class size											
10 or fewer students	4,950	3.90	3.99	2.03	3.60	4.01	2.14	3.90	2.84	3.35	3.65
11-18	6,730	1.63	1.80	1.20	1.48	1.77	1.30	1.63	1.32	1.07	1.49
19-27	10,160	1.05	1.23	0.82	0.98	1.23	0.81	1.05	0.94	0.86	1.28
28 or more students	8,410	1.36	1.51	1.11	1.08	1.32	1.14	1.36	1.23	0.75	1.31
Years of teaching experience											
3 or fewer	5,390	2.70	2.82	1.44	2.69	2.87	1.50	2.70	1.67	2.32	2.60
4-9	8,100	1.36	1.68	1.00	1.28	1.59	1.01	1.36	1.35	0.74	1.16
10-19	8,230	1.21	1.16	1.07	1.09	1.21	1.09	1.21	1.04	0.75	1.14
20 or more	7,520	1.47	1.56	1.07	1.21	1.42	1.15	1.47	1.26	0.99	1.24
School classification											
Charter school	3,200	5.67	8.35	6.11	6.26	8.63	5.84	5.67	3.86	5.78	8.79
Traditional public school	20,000	0.71	0.74	0.53	0.63	0.67	0.56	0.71	0.68	0.46	0.58
Community type											
City	10,790	1.91	2.07	1.43	1.89	2.07	1.43	1.91	1.54	1.26	1.65
Suburban	10,980	1.18	1.32	0.94	0.95	1.18	0.96	1.18	1.06	0.53	1.10
Town	4,610	1.61	1.93	1.59	1.47	1.85	1.57	1.61	1.30	0.99	1.66
Rural	8,020	1.11	1.20	0.73	1.01	1.16	0.83	1.11	1.01	0.90	1.08
Student enrollment											
Less than 100	3,230	4.48	4.31	2.58	4.89	5.03	2.68	4.48	4.15	3.75	4.36
100-199	2,440	4.02	4.14	2.51	3.07	3.83	2.51	4.02	2.52	3.14	3.35
200-499	4,720	2.14	2.01	1.25	2.13	2.03	1.27	2.14	1.67	1.65	1.86
500-749	4,470	1.73	2.26	1.87	1.64	2.28	1.98	1.73	1.41	1.26	2.25
750-999	5,520	2.70	3.54	2.73	2.61	3.60	2.72	2.70	1.60	2.27	3.63
1,000-1,499	6,710	1.68	1.79	1.03	1.53	1.69	1.05	1.68	1.58	0.95	1.21
1,500 or more	14,850	1.23	1.38	0.82	0.96	1.26	0.87	1.23	1.07	0.65	1.05

See notes at end of table.

National Center for Education Statistics

Table A-2. Standard errors for:

Number of public high school-level teachers who reported a main assignment in a specified field and the percentage distribution with a major, minor, and/or certification in that main assignment, by selected teacher and school characteristics: 2011–12—Continued

Selected teacher and school characteristic	Number of teachers	Major in main assignment			Major/minor in main assignment			No major in main assignment			Total certified
		Total	Certified	Not certified	Total	Certified	Not certified	Total	Certified	Not certified	
Percent of K-12 students in school who are of a racial/ethnic minority											
Less than 20	6,040	0.82	1.08	0.76	0.80	1.03	0.78	0.82	0.79	0.63	0.94
20 to 59	12,150	1.29	1.31	0.69	1.09	1.17	0.75	1.29	1.11	0.92	1.09
60 or more	11,710	1.49	1.73	1.38	1.39	1.72	1.34	1.49	1.23	1.01	1.52
Percent of K-12 students in school who were approved for free or reduced-price lunches											
Less than 35	8,860	0.90	0.92	0.66	0.79	0.88	0.69	0.90	0.84	0.50	0.79
35-49	7,370	2.22	2.08	0.79	2.06	2.00	0.89	2.22	1.53	1.41	1.37
50-74	8,800	1.62	1.65	1.21	1.61	1.74	1.22	1.62	1.37	1.26	1.50
75 or more	7,760	2.53	3.14	2.61	2.43	3.33	2.60	2.53	2.19	1.70	3.24
School did not participate in free or reduced-price lunch program	3,980	5.33	5.18	2.88	4.63	4.57	2.90	5.33	4.51	4.08	4.09

† Not applicable.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Schools and Staffing Survey (SASS), "Public School Teacher Data File," 2011-12.

National Center for Education Statistics

Table A-3. Standard errors for:

Number of public high school-level teachers with a main assignment in English and the percentage distribution with a major, minor, and/or certification in English, by selected teacher and school characteristics: 2011–12

Selected teacher and school characteristic	Number of teachers	Major in English			Major/minor in English			No major in English			Total certified in English
		Total	Certified in English	Not certified in English	Total	Certified in English	Not certified in English	Total	Certified in English	Not certified in English	
All teachers with an English main assignment	6,420	1.28	1.35	1.12	1.09	1.32	1.16	1.28	1.06	0.96	1.35
Average class size											
10 or fewer students	2,310	8.11	8.91	5.18	7.66	8.95	5.18	8.11	6.04	5.22	7.16
11-18	2,490	2.44	3.46	2.52	2.25	3.45	2.55	2.44	1.86	1.78	3.02
19-27	4,360	1.79	1.82	1.32	1.73	1.82	1.36	1.79	1.54	1.43	1.76
28 or more students	2,990	3.05	3.30	2.23	2.40	2.95	2.35	3.05	2.48	1.87	2.50
Years of teaching experience											
3 or fewer	1,870	3.80	4.10	3.24	3.67	4.08	3.22	3.80	2.85	3.23	4.39
4-9	2,970	2.22	3.13	2.17	2.01	3.04	2.20	2.22	1.71	1.27	2.55
10-19	3,610	2.42	2.59	1.81	2.04	2.58	1.86	2.42	1.97	1.44	2.26
20 or more	2,910	2.87	3.23	1.81	3.02	3.24	1.90	2.87	1.96	2.72	2.96
School classification											
Charter school	1,230	6.55	8.25	3.62	5.38	8.23	4.51	6.55	3.68	5.01	6.72
Traditional public school	6,540	1.29	1.37	1.16	1.13	1.36	1.19	1.29	1.09	0.97	1.37
Community type											
City	3,600	2.71	3.09	2.42	2.54	3.08	2.45	2.71	1.87	2.16	2.77
Suburban	3,440	2.54	2.59	1.44	1.84	1.92	1.41	2.54	2.26	1.25	1.72
Town	1,520	3.38	3.31	1.53	2.89	2.89	1.60	3.38	2.60	2.74	2.73
Rural	3,140	2.39	2.46	1.95	2.25	2.61	2.00	2.39	2.10	1.79	2.26
Student enrollment											
Less than 100	1,510	11.13	11.85	†	10.33	11.01	†	11.13	8.05	6.92	7.34
100-199	1,080	5.27	8.68	7.05	4.84	8.79	7.07	5.27	3.23	3.67	7.23
200-499	2,170	3.45	3.90	3.12	3.31	3.87	3.15	3.45	2.23	3.13	3.77
500-749	1,700	4.17	4.50	3.90	3.43	4.61	3.89	4.17	4.03	1.32	3.85
750-999	1,750	3.45	5.18	4.85	3.16	5.17	4.93	3.45	2.85	1.90	4.85
1,000-1,499	2,250	2.98	2.90	1.68	2.71	2.78	1.69	2.98	2.58	2.14	2.54
1,500 or more	4,210	2.29	2.64	1.48	2.01	2.48	1.54	2.29	1.67	1.51	2.08

See notes at end of table.

National Center for Education Statistics

Table A-3. Standard errors for:

Number of public high school-level teachers with a main assignment in English and the percentage distribution with a major, minor, and/or certification in English, by selected teacher and school characteristics: 2011–12—Continued

Selected teacher and school characteristic	Number of teachers	Major in English			Major/minor in English			No major in English			Total certified in English
		Total	Certified in English	Not certified in English	Total	Certified in English	Not certified in English	Total	Certified in English	Not certified in English	
Percent of K-12 students in school who are of a racial/ethnic minority											
Less than 20	2,670	2.00	2.13	1.57	1.92	2.12	1.57	2.00	1.53	1.77	2.08
20 to 59	3,490	2.14	2.35	1.58	2.04	2.31	1.66	2.14	1.88	1.29	1.80
60 or more	4,510	2.35	2.64	2.21	2.23	2.71	2.23	2.35	1.59	1.89	2.62
Percent of K-12 students in school who were approved for free or reduced-price lunches											
Less than 35	3,240	2.08	1.91	1.26	1.85	1.82	1.21	2.08	1.56	1.16	1.32
35-49	2,690	3.76	3.68	1.69	3.76	3.64	1.80	3.76	2.77	3.24	3.34
50-74	2,760	3.23	3.67	2.56	2.85	3.76	2.65	3.23	2.35	2.24	3.18
75 or more	2,540	3.62	4.04	3.89	3.27	4.11	3.89	3.62	2.28	3.20	4.25
School did not participate in free or reduced-price lunch program	1,540	11.08	13.53	5.42	7.78	10.60	5.68	11.08	9.17	4.54	8.33

† Not applicable.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Schools and Staffing Survey (SASS), "Public School Teacher Data File," 2011-12.

National Center for Education Statistics

**Table A-4. Standard errors for:
Number of public high school-level teachers with a main assignment in mathematics and the percentage distribution with a major, minor, and/or certification in mathematics, by selected teacher and school characteristics: 2011–12**

Selected teacher and school characteristic	Number of teachers	Major in mathematics			Major/minor in mathematics			No major in mathematics			Total certified in mathematics
		Total	Certified in mathematics	Not certified in mathematics	Total	Certified in mathematics	Not certified in mathematics	Total	Certified in mathematics	Not certified in mathematics	
All teachers with a mathematics main assignment	6,330	1.89	1.82	1.18	1.77	1.69	1.24	1.89	1.74	1.24	1.51
Average class size											
10 or fewer students	2,550	8.78	9.47	3.12	8.18	9.38	4.40	8.78	6.29	7.41	8.34
11-18	3,200	4.64	4.32	2.15	4.52	4.26	2.18	4.64	3.89	2.62	2.87
19-27	3,710	2.42	2.57	1.22	2.33	2.50	1.31	2.42	2.44	2.07	2.35
28 or more students	2,360	3.59	3.61	3.17	3.33	3.61	3.25	3.59	3.10	1.98	3.44
Years of teaching experience											
3 or fewer	2,080	5.74	5.36	1.99	5.70	5.36	2.10	5.74	4.51	4.29	4.01
4-9	3,060	4.26	4.27	2.50	3.91	3.89	2.46	4.26	3.96	2.35	3.09
10-19	3,260	2.64	2.79	1.40	2.53	2.70	1.43	2.64	2.34	2.19	2.39
20 or more	2,690	3.46	4.19	2.74	2.89	4.13	2.92	3.46	2.94	1.93	3.30
School classification											
Charter school	1,480	11.56	11.83	4.22	11.67	11.71	5.14	11.56	6.80	†	11.30
Traditional public school	5,990	1.92	1.90	1.21	1.81	1.79	1.25	1.92	1.78	1.04	1.47
Community type											
City	3,950	5.34	5.07	3.27	5.21	4.86	3.30	5.34	4.37	3.43	4.13
Suburban	3,210	2.86	2.63	1.26	2.90	2.73	1.44	2.86	2.53	1.66	1.90
Town	2,030	4.37	4.58	1.90	3.36	4.02	2.12	4.37	3.32	2.36	2.86
Rural	2,480	2.95	3.19	1.70	2.72	3.01	1.74	2.95	2.74	2.37	2.76
Student enrollment											
Less than 100	1,430	9.42	10.45	†	9.72	10.47	†	9.42	†	10.91	12.09
100-199	830	8.12	8.64	3.14	6.86	8.31	4.11	8.12	6.45	6.37	7.91
200-499	1,680	3.82	4.10	2.56	3.44	3.88	2.41	3.82	2.86	3.25	3.65
500-749	1,760	3.77	4.10	†	3.39	4.13	3.28	3.77	3.16	1.89	3.52
750-999	2,050	4.90	5.99	3.68	4.36	5.47	3.66	4.90	4.50	2.71	4.46
1,000-1,499	3,200	5.70	5.27	3.01	5.64	5.09	3.05	5.70	5.14	3.59	4.30
1,500 or more	4,000	2.82	3.06	1.84	2.69	3.06	1.86	2.82	2.23	2.07	2.56

See notes at end of table.

National Center for Education Statistics

Table A-4. Standard errors for:

Number of public high school-level teachers with a main assignment in mathematics and the percentage distribution with a major, minor, and/or certification in mathematics, by selected teacher and school characteristics: 2011–12—Continued

Selected teacher and school characteristic	Number of teachers	Major in mathematics			Major/minor in mathematics			No major in mathematics			Total certified in mathematics
		Total	Certified in mathematics	Not certified in mathematics	Total	Certified in mathematics	Not certified in mathematics	Total	Certified in mathematics	Not certified in mathematics	
Percent of K-12 students in school who are of a racial/ethnic minority											
Less than 20	1,970	2.01	2.67	1.80	2.01	2.67	1.80	2.01	1.69	1.34	2.24
20 to 59	4,430	3.05	2.89	1.09	2.99	2.75	1.30	3.05	2.46	3.03	2.89
60 or more	4,210	3.91	3.87	2.80	3.92	3.70	2.77	3.91	3.86	2.03	3.21
Percent of K-12 students in school who were approved for free or reduced-price lunches											
Less than 35	2,720	2.15	2.33	1.13	1.80	2.04	1.24	2.15	2.11	1.08	1.63
35-49	2,370	4.05	3.71	2.39	4.08	3.77	2.41	4.05	2.91	3.69	3.71
50-74	2,770	3.80	3.86	2.43	3.60	3.60	2.48	3.80	2.96	2.89	3.25
75 or more	3,100	5.85	5.65	4.73	6.18	5.87	4.96	5.85	6.23	3.24	5.72
School did not participate in free or reduced-price lunch program	†	13.86	14.34	†	13.45	14.04	†	13.86	9.52	†	12.78

† Not applicable.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Schools and Staffing Survey (SASS), "Public School Teacher Data File," 2011-12.

National Center for Education Statistics

Table A-5. Standard errors for:

Number of public high school-level teachers with a main assignment in science and the percentage distribution with a major, minor, and/or certification in science, by selected teacher and school characteristics: 2011–12

Selected teacher and school characteristic	Number of teachers	Major in science			Major/minor in science			No major in science			Total certified in science
		Total	Certified in science	Not certified in science	Total	Certified in science	Not certified in science	Total	Certified in science	Not certified in science	
All teachers with a science main assignment	4,950	1.73	1.94	1.01	1.67	1.89	1.04	1.73	1.40	1.44	1.81
Average class size											
10 or fewer students	1,100	9.92	9.85	3.61	10.17	10.29	3.71	9.92	6.34	10.26	9.74
11-18	1,940	4.27	4.48	3.20	3.71	4.05	3.17	4.27	4.09	1.96	3.81
19-27	3,240	2.80	2.57	1.27	2.82	2.56	1.37	2.80	1.94	2.31	2.32
28 or more students	2,780	3.08	3.66	2.16	2.90	3.49	2.15	3.08	2.02	2.29	2.94
Years of teaching experience											
3 or fewer	2,460	7.17	6.66	3.98	7.46	6.77	4.12	7.17	3.32	†	7.50
4-9	2,820	3.03	3.24	2.08	2.66	3.11	2.11	3.03	3.11	1.83	2.88
10-19	2,380	2.84	2.94	1.42	2.29	2.48	1.42	2.84	2.34	1.79	2.15
20 or more	2,510	2.77	3.28	1.90	2.89	3.26	2.10	2.77	2.57	2.23	2.72
School classification											
Charter school	1,360	16.88	17.75	†	18.75	19.08	7.01	†	3.91	†	20.36
Traditional public school	4,670	1.63	1.74	1.02	1.44	1.60	1.06	1.63	1.43	1.16	1.45
Community type											
City	3,290	3.92	4.50	2.23	4.16	4.55	2.31	3.92	2.62	†	4.59
Suburban	2,980	2.15	2.83	2.22	1.93	2.77	2.23	2.15	1.78	1.04	2.45
Town	1,500	4.44	5.10	3.55	3.94	5.11	3.57	4.44	3.82	2.12	3.69
Rural	2,630	3.13	3.25	0.98	2.80	2.91	1.29	3.13	2.80	2.29	2.61
Student enrollment											
Less than 100	560	11.99	11.11	†	10.97	10.89	4.90	11.99	10.64	9.14	9.29
100-199	920	7.08	9.71	†	6.45	9.70	8.25	7.08	†	6.62	9.33
200-499	1,770	5.71	5.25	2.22	5.64	5.29	2.27	5.71	4.99	4.94	5.27
500-749	1,560	4.02	5.23	4.44	3.83	5.28	4.35	4.02	2.54	3.71	5.41
750-999	1,820	9.43	9.21	†	9.76	9.43	2.93	9.43	2.57	†	9.38
1,000-1,499	2,120	2.72	3.24	2.05	2.28	2.88	2.05	2.72	2.33	1.31	2.26
1,500 or more	3,560	2.38	2.54	1.60	1.94	2.08	1.65	2.38	2.44	1.04	1.68

See notes at end of table.

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Table A-5. Standard errors for:

Number of public high school-level teachers with a main assignment in science and the percentage distribution with a major, minor and/or certification in science, by selected teacher and school characteristics: 2011–12—Continued

Selected teacher and school characteristic	Number of teachers	Major in science			Major/minor in science			No major in science			Total certified in science
		Total	Certified in science	Not certified in science	Total	Certified in science	Not certified in science	Total	Certified in science	Not certified in science	
Percent of K-12 students in school who are of a racial/ethnic minority											
Less than 20	1,740	1.77	2.57	1.96	1.62	2.46	1.90	1.77	1.64	1.03	1.87
20 to 59	2,960	3.18	3.31	1.41	2.76	2.95	1.55	3.18	2.48	2.01	2.42
60 or more	3,190	3.43	3.87	2.09	3.33	3.84	2.09	3.43	3.08	3.51	4.16
Percent of K-12 students in school who were approved for free or reduced-price lunches											
Less than 35	2,800	1.79	2.10	1.41	1.44	1.93	1.48	1.79	1.42	0.96	1.60
35-49	2,350	3.85	4.57	2.71	3.69	4.27	2.73	3.85	3.09	2.93	3.81
50-74	2,660	4.21	4.44	2.56	4.00	4.30	2.62	4.21	4.22	2.84	3.75
75 or more	2,180	6.83	7.35	2.82	7.36	7.92	3.11	6.83	3.17	†	8.04
School did not participate in free or reduced-price lunch program	650	8.84	12.83	†	8.03	13.20	†	8.84	8.30	3.92	12.93

† Not applicable.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Schools and Staffing Survey (SASS), "Public School Teacher Data File," 2011-12.

National Center for Education Statistics

**Table A-6. Standard errors for:
Number of public high school-level teachers with a main assignment in social science and the percentage distribution with a major, minor, and/or certification in social science, by selected teacher and school characteristics: 2011–12**

Selected teacher and school characteristic	Number of teachers	Major in social science			Major/minor in social science			No major in social science			Total certified in social science
		Total	Certified in social science	Not certified in social science	Total	Certified in social science	Not certified in social science	Total	Certified in social science	Not certified in social science	
All teachers with a social science main assignment	5,450	1.60	1.75	1.28	1.48	1.72	1.36	1.60	1.52	0.89	1.47
Average class size											
10 or fewer students	720	7.88	8.08	8.10	7.22	7.92	8.05	7.88	6.45	5.62	8.24
11-18	1,780	4.36	4.80	2.63	3.80	4.39	3.43	4.36	3.42	4.17	4.51
19-27	3,240	2.53	2.81	1.76	2.35	2.67	1.79	2.53	2.53	0.79	1.84
28 or more students	3,330	2.66	3.08	2.19	2.37	2.83	2.04	2.66	2.68	0.93	2.18
Years of teaching experience											
3 or fewer	1,930	5.01	4.64	3.60	4.85	4.67	3.68	5.01	4.01	†	4.90
4-9	3,070	2.46	3.66	2.85	2.45	3.67	2.90	2.46	2.49	0.85	3.03
10-19	2,900	3.13	3.14	2.11	2.91	2.97	2.15	3.13	3.11	1.30	2.14
20 or more	2,050	3.53	3.66	2.29	3.02	3.86	2.85	3.53	2.76	2.79	3.31
School classification											
Charter school	1,080	12.76	12.55	6.31	13.56	13.41	6.94	12.76	†	2.81	6.83
Traditional public school	5,330	1.60	1.74	1.32	1.47	1.70	1.40	1.60	1.50	0.93	1.49
Community type											
City	3,350	4.09	4.52	2.73	3.60	4.32	2.80	4.09	3.66	2.46	3.19
Suburban	3,190	2.73	2.91	2.30	2.60	2.94	2.35	2.73	2.67	1.15	2.58
Town	1,650	4.51	5.55	†	3.62	5.89	5.15	4.51	3.76	2.44	5.34
Rural	2,300	2.87	2.89	1.68	2.46	2.77	2.08	2.87	2.63	1.49	2.30
Student enrollment											
Less than 100	660	8.25	9.36	†	5.70	8.55	†	8.25	6.42	5.10	9.19
100-199	730	8.83	8.66	6.08	8.37	8.66	6.07	8.83	7.82	6.84	7.98
200-499	1,500	3.17	3.87	2.95	2.74	3.77	2.98	3.17	3.13	1.82	3.29
500-749	1,700	5.74	7.16	5.86	5.06	7.42	6.43	5.74	3.31	†	6.86
750-999	1,180	4.65	5.57	3.25	4.16	5.26	3.25	4.65	4.29	2.45	4.14
1,000-1,499	2,260	3.84	4.58	2.44	3.73	4.53	2.63	3.84	3.86	1.85	3.11
1,500 or more	4,420	2.88	3.08	1.61	2.40	2.87	1.70	2.88	2.85	1.09	1.91

See notes at end of table.

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Table A-6. Standard errors for:

Number of public high school-level teachers with a main assignment in social science and the percentage distribution with a major, minor, and/or certification in social science, by selected teacher and school characteristics: 2011–12—Continued

Selected teacher and school characteristic	Number of teachers	Major in social science			Major/minor in social science			No major in social science			Total certified in social science
		Total	Certified in social science	Not certified in social science	Total	Certified in social science	Not certified in social science	Total	Certified in social science	Not certified in social science	
Percent of K-12 students in school who are of a racial/ethnic minority											
Less than 20	1,870	2.15	2.79	2.02	1.83	2.78	2.08	2.15	2.10	1.10	2.48
20 to 59	3,280	3.36	3.61	2.64	2.36	3.28	2.80	3.36	2.79	1.76	3.01
60 or more	3,280	3.04	3.25	2.31	2.92	3.19	2.29	3.04	2.72	1.79	2.56
Percent of K-12 students in school who are of a racial/ethnic minority											
Less than 35	2,970	2.52	2.58	1.59	2.27	2.33	1.73	2.52	2.44	1.69	2.05
35-49	2,220	4.41	4.25	1.67	3.80	4.31	2.48	4.41	3.73	†	2.46
50-74	2,970	3.44	3.49	2.11	2.68	3.08	2.18	3.44	3.54	1.85	2.55
75 or more	2,490	5.04	6.11	5.18	4.34	5.84	5.23	5.04	4.75	1.39	5.16
School did not participate in free or reduced-price lunch program	750	11.92	11.19	7.37	12.08	11.22	7.40	†	†	†	8.12

† Not applicable.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Schools and Staffing Survey (SASS), "Public School Teacher Data File," 2011-12.

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Table A-7. Standard errors for:

Number of public high school-level teachers who reported a main assignment in a specified field and the percentage distribution of source of degree awarded in their main assignment and/or a certification in that main assignment, by selected main assignments: 2011–12

Selected main assignment	Number of teachers	Major in main assignment									No major in main assignment			Total certified
		Awarded by a department, college, or school of education			Awarded outside department, college, or school of education			More than one degree in main assignment awarded both within and outside a department, college, or school of education						
		Total	Certified	Not certified	Total	Certified	Not certified	Total	Certified	Not certified	Total	Certified	Not certified	
English	6,420	1.70	1.59	0.81	1.71	1.64	0.71	0.95	0.99	†	1.28	1.06	0.96	1.35
Mathematics	6,330	1.88	1.93	1.03	1.53	1.43	0.56	0.53	0.52	0.13	1.89	1.74	1.24	1.51
Science	4,950	1.83	1.79	0.57	2.00	1.78	0.90	0.91	0.89	0.11	1.73	1.40	1.44	1.81
Biology/life sciences	3,460	2.72	2.73	1.18	2.79	2.69	1.50	1.10	1.05	†	2.68	1.85	2.38	3.30
Physical science	3,430	1.91	1.83	1.12	2.45	2.22	1.07	0.82	0.82	†	2.76	2.50	2.30	2.80
Chemistry	2,100	3.28	3.01	2.12	3.79	3.32	2.13	†	†	†	3.77	4.02	3.58	4.50
Earth sciences	1,750	6.43	6.37	†	3.77	2.97	†	†	†	†	7.28	6.35	6.52	6.96
Physics	1,610	4.34	4.17	1.58	5.60	4.57	4.30	†	†	†	6.19	4.43	5.91	5.86
Social science	5,450	1.89	1.91	0.91	1.59	1.42	0.89	0.72	0.64	†	1.60	1.52	0.89	1.47
Economics	1,880	†	†	†	†	†	†	†	†	†	6.95	7.56	8.24	8.35
Geography	1,680	†	†	†	†	†	†	†	†	†	1.17	4.22	4.48	4.49
Government/civics	1,800	†	†	†	†	†	†	†	†	†	3.34	5.87	7.14	6.55
History	3,610	2.75	2.23	2.01	2.24	1.69	1.80	0.36	0.22	†	2.81	1.78	2.68	2.75
French	1,580	6.39	6.25	2.67	5.19	4.83	1.51	2.59	2.59	†	4.68	2.96	3.89	4.55
German	760	11.97	9.72	†	11.69	10.98	†	†	†	†	6.58	†	†	7.59
Latin	450	†	†	†	†	†	†	†	†	†	18.03	17.97	†	16.37
Spanish	3,560	2.94	3.02	2.22	2.77	2.74	†	1.39	†	†	2.85	2.82	1.35	2.57
Art/arts and crafts ⁴	2,380	3.60	3.76	2.82	2.75	2.44	†	1.50	1.39	†	2.84	1.96	1.98	3.07
Music ⁴	2,390	3.55	3.43	1.00	2.41	2.20	†	2.67	2.70	†	1.61	1.38	0.84	1.42
Dance/drama or theater ¹	2,530	10.85	6.87	†	7.02	6.60	2.80	†	†	†	8.68	7.86	2.87	11.98

† Not applicable.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Schools and Staffing Survey (SASS), "Public School Teacher Data File," 2011–12.