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> Considerations for Analysis of NHES Data



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> Considerations for Analysis of NHES Data > Module Objectives 00:00:23

Module Objectives

- Describe analysis considerations for using the 2012 NHES data

> Considerations for Analysis of NHES Data > Key Data Considerations

00:01:39

Key Data Considerations

- Trend analysis between 2012 and prior years is confounded by mode change from telephone to mail
- Child is unit of analysis in 2012
- Cross-sectional data only
- NHES not appropriate for state-level analysis
- English and Spanish questionnaires only
- This module describes specific data considerations and anomalies in the NHES:2012 data files. All considerations are described in depth in the [2012 Data File User's Manual](#)

> Considerations for Analysis of NHES Data > Challenges of Using NHES Data for Trend Analyses

00:00:59

Challenges of Using NHES Data for Trend Analyses

- Similar items are asked of somewhat different populations and sample sizes
- Pooling data across surveys is not advisable, given the lack of appropriate weights
- Data collection mode change between 2007 and 2012 resulted in some changes in question wording

> Considerations for Analysis of NHES Data > School-Level Derived Variables

00:01:07

School-Level Derived Variables

- Appended to the PFI data file from Common Core of Data (CCD) and the Private School Survey (PSS)
- Used data from the 2009-10 school year; NHES:2012 collected in 2011-12 school year
- Some school data may have changed
- Data missing in the original CCD and PSS records were not imputed

> Considerations for Analysis of NHES Data > Household Composition Variables

00:01:04

Household Composition Variables

- The variable HHTOTAL - number of people living in the household - was edited
- Total number of household members top-coded at 8
- The variable HHUNID identifies household members reported in HHTOTAL but not identified in the household composition variables

> Considerations for Analysis of NHES Data > Missing Race Data for Hispanic Persons

00:00:48

Missing Race Data for Hispanic Persons

- In some cases a person was reported as Hispanic but their race was not reported
- The variables CHISPRM, P1HISPRM, P2HISPRM denote these cases as “Hispanic race not reported”

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> Considerations for Analysis of NHES Data > Age Considerations

00:00:19

Age Considerations

- Parent/guardian ages top-coded at 90
- Age first became a parent bottom-coded at 12

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> Considerations for Analysis of NHES Data > Homeschooled Students

00:01:10

Homeschooled Students

- Affected by change in mode
- Homeschool status may have changed between screener return and topical return
- Some homeschoolers reported on PFI Enrolled survey; unable to identify number of hours enrolled in school
- Need to apply special weight when estimating total number of homeschoolers. See the [data file user's manual](#) for more information

> Considerations for Analysis of NHES Data > Foster Parents

00:00:20

Foster Parents

- Some parent relationships reported are unusual - e.g. both a birth parent and a foster parent in the household
- May require special consideration when analyzing foster parent relationships

> Considerations for Analysis of NHES Data > Age and Grade Mismatches

00:00:39

Age and Grade Mismatches

- On the PFI datafile, there are some cases where the child's grade and age are unusual - e.g. children over age 8 reported to be in kindergarten
- Data were checked against the original questionnaire and were as reported by the respondent

> Considerations for Analysis of NHES Data > Parent Reports of School Type

00:00:30

Parent Reports of School Type

- On the PFI datafile, there are some cases where the parent-reported data about the type of school the child attends differs from the appended CCD or PSS data
- Could be due to parent reporting error or errors in the CCD or PSS data

> Considerations for Analysis of NHES Data > Civil Unions in the Spanish Questionnaire

00:00:48

Civil Unions in the Spanish Questionnaire

- There was a translation error in the Spanish questionnaire that led to over-reporting of civil unions and domestic partnerships on Spanish questionnaires
- This variable was edited by recoding responses of civil unions to married when the questionnaire was completed in Spanish
- Affected 34 cases on the ECPP file and 42 on the PFI file

> Considerations for Analysis of NHES Data > Imputation of Child's Place of Birth

00:00:39

Imputation of Child's Place of Birth

- Hot-deck imputation skewed this variable toward a child being born in another country compared to reported values
- However, the overall change in the percentage distribution is minimal and the imputation was retained
- Analysts using these data may wish to evaluate the missing data and consider other imputation methods if desired

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> Considerations for Analysis of NHES Data > Summary and Resources 00:00:40

Summary and Resources

This module has:

- Described the analytic considerations that should be kept in mind when using NHES data

Resources

- [Data File User's Manual](#)