



Introduction to HSLs:09

Module Objectives

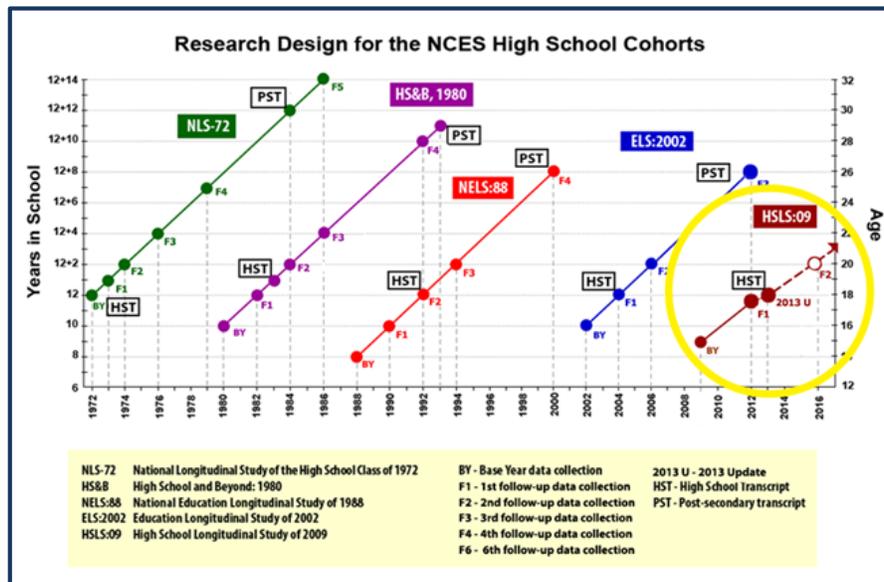
- Introduce High School Longitudinal Study of 2009 (HSLs:09) and describe the study's
 - Target population
 - Sample and study design
 - Data collection rounds, topics, sources, and methods
- Highlight the topics for which data are available for analysis

HSLs:09 Overview and Sample

- Nationally representative longitudinal study
- Base Year (2009): 25,000+ 9th grade students in 944 schools
- Follows students from the beginning of high school into postsecondary education, the workforce, and beyond
- Focus on students' decision making, with regard to what they pursue, how, when, and why
- Special emphasis on Science, Technology, Engineering, and Mathematics (STEM)
- Educational and social experiences that affect transitions



HSLs:09 within the Series of Secondary Longitudinal Studies



Target Population

- Target population – school level
 - Regular public and private schools with both 9th and 11th grades in 50 states and Washington, DC
- Target population – student level
 - All 9th graders attending study-eligible schools in Fall 2009

HSLS:09 Data Collection Topics for Analysis

- Students' academic, social, and interpersonal development
- Relationship between academic achievement and students' choices about, access to, and persistence in mathematics and science courses and STEM college majors and careers
- Students' decision-making processes about high school courses and postsecondary options and related factors
- Students' transitions from middle school to high school and high school to postsecondary education and/or work

HSLS:09 Data Collection Topics for Analysis (Continued)

- Relationship between home and school factors and academic achievement, interests, and social development
- Parents' educational attainment expectations for their children, attitudes toward curricular and postsecondary educational choices, and parental involvement
- School and classroom environment
- Teacher background and training
- High school coursetaking and academic test score information

HSLS:09 Data Collection Topics for Analysis (Continued)

- Individual level
 - Educational attainment and personal development
 - Demographic and background variables
- Institutional level
 - Effects of promotion, retention, curriculum content, structure, and sequencing on students' trajectories in STEM pipeline
 - High school and postsecondary institution characteristics and environment impact on student outcomes
 - Demographic background and parental involvement effects on educational choice, persistence, and attainment



Important Design Features of HSLS:09

- Student is the fundamental unit of analysis
 - Study measures identify motivation, beliefs, and interests
 - Traces influences on students' values and expectations
 - Connects students' experiences to rich contextual information
- Computerized questionnaires and online assessment
 - Web self-administration for parent, teacher, school administrator, and counselor questionnaires
 - Web-based two-stage adaptive test
- Students who change schools or leave school are still followed

HSLS:09 Data Collection Rounds - Base Year: Fall 2009

- Nationally representative study of 9th grade students
- Random selection of 25,000+ students from 944 public and private high schools with 9th and 11th grades
 - Student survey and algebra assessment – online
 - Students' parent survey – online or telephone
 - Students' mathematics and science teacher surveys – online or telephone
 - Students' school counselor survey – online or telephone
 - Students' school administrator survey – online or telephone

HSLS:09 Data Collection Rounds - Base Year: Fall 2009 (Continued)

- State representative datasets for 10 states
- In-school sessions: 90 minutes
 - Instructions and setup: 15 minutes
 - Student questionnaire: 35 minutes
 - Algebra assessment: 40 minutes

HSLS:09 Data Collection Rounds - First Follow-up: Spring 2012

Most students in 11th grade

- Student survey and algebra assessment – online
- Students' parent survey – online or telephone
- Students' school counselor survey – online or telephone
- Students' school administrator survey – online or telephone
- Students' mathematics and science teachers were not part of this follow-up

Eligibility for First Follow-up

All base year students were eligible, with the following exceptions

- Withdrew from study
- Moved outside U.S.
- Incarcerated
- Deceased

Eligibility for First Follow-up (Continued)

Parent subsample

- Random subsample
- Parents of all base year respondents eligible
- n=8,700

HSLS:09 Data Collection Rounds - Additional Follow-ups

- 2013 Update (Summer – Fall 2013)
 - Short survey of students' post-high school plans
 - High school transcripts collected from high schools
- Second Follow-up: 2016
 - Student survey
 - Links to administrative sources (e.g., Central Processing System for Free Application for Federal Student Aid and National Student Loan Data System)
 - Postsecondary transcripts and financial aid records (from postsecondary institutions)
- Third Follow-up: 2025
 - Student survey at age 30
 - Postsecondary transcripts and financial aid records

Module Summary and Resources

Summary

- Introduced High School Longitudinal Study of 2009 (HSLS:09) and described the study's
- Target population
- Sample and study design
- Data collection rounds, topics, sources, and methods
- Highlighted the topics for which data are available for analysis

Resources

- [HSLS:09 Homepage](#)