Comparing NAEP and TIMSS: School and Student Estimated Sample Sizes

**Estimated School Sample Size**
- NAEP: 6,600
- TIMSS: 460

**Estimated Student Sample Size**
- NAEP: 150,000
- TIMSS: 11,000
NAEP-TIMSS 2011 Linking Study: Goals of the Study

- To validate projected state TIMSS scores with real TIMSS scores in several states
- To project state and school district TIMSS mathematics and science scores from performance on NAEP
NAEP-TIMSS Linking Study: Criteria for Eligibility

1. States eligible for selection:
   - Large enough population
   - Agree to participate
   - 29 states eligible for selection

2. Selection criteria:
   - Prior NAEP performance (highest priority criterion)
     ✓ Include states that represent both ends of NAEP achievement range to better test linking function
   - Prior participation in TIMSS (to compare trends in NAEP and TIMSS)
   - Regional representation (two states from each region: Midwest, Northeast, South, and West)
NAEP-TIMSS 2011 Linking Study: Selected States

Alabama, California, Colorado, Connecticut, Indiana, Massachusetts, Minnesota, and North Carolina