

APPENDIX B

Additional NAEP Analyses

Analyses of Score Data

On the NAEP mathematics assessment for 4th grade, all participating states showed an increase in mathematic scores during 2000 to 2003. In 2005, however, the overall U.S. average increased by 3 points, but the Illinois average score remained stable.

The average 8th grade U.S. mathematics score increased six points during 2000 to 2005; however, the average Illinois score increased only three points.

Table 14 Comparison of Gaps in Scores of Illinois Students Compared to National Gaps in Mathematics Performance on the 2005 NAEP

	4th Grade			8th Grade		
	2000	2003	2005	2000	2003	2005
USA	224	234	237	272	276	278
Illinois	223	233	233	275	277	278

In the last NAEP science assessment in 2000, Illinois' average scores in 4th and 8th grades were statistically similar to the national average.

Table 15 Percentages of Students Scoring At or Above Proficient Level on 2005 NAEP Mathematics Test

Average Scores on 2000 NAEP Science		
	4th Grade	8th Grade
USA	147	149
Illinois	150	148

APPENDIX B

Illinois Gap Trends in Mathematics by Ethnicity

From 2003 to 2005 in Illinois, white students performed at a much higher level than did Hispanic students, and Hispanic students performed at a slightly higher level than did black students. The gaps between the white, Hispanic, and black students remained rather consistent at the 4th and 8th grade levels. The one exception is 8th grade Hispanic students. They raised their scores at a greater rate than did the other ethnic groups.

Figure 40 Differences in Performance of Illinois Students on 4th Grade NAEP Exam

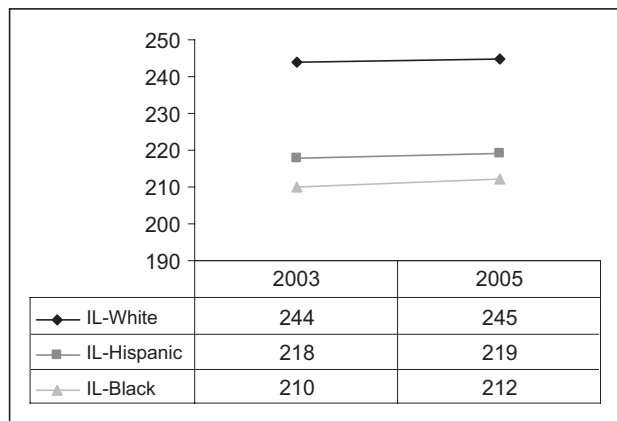


Figure 41 Differences in Performance of Illinois Students on 8th Grade NAEP Exam

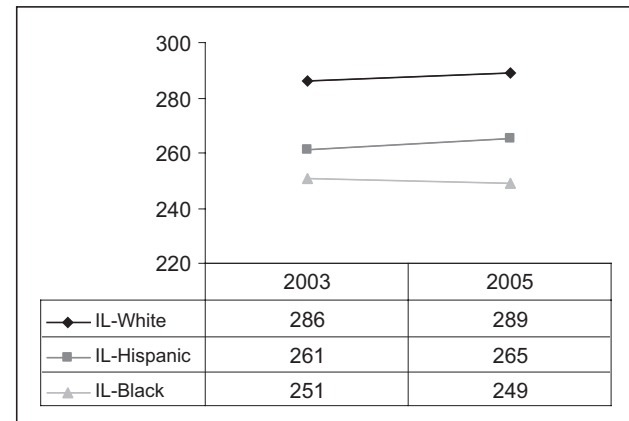


Figure 42 Illinois and U.S. Score Differences in Performance on 4th Grade NAEP Mathematics Tests by Ethnicity and Low-Income Status

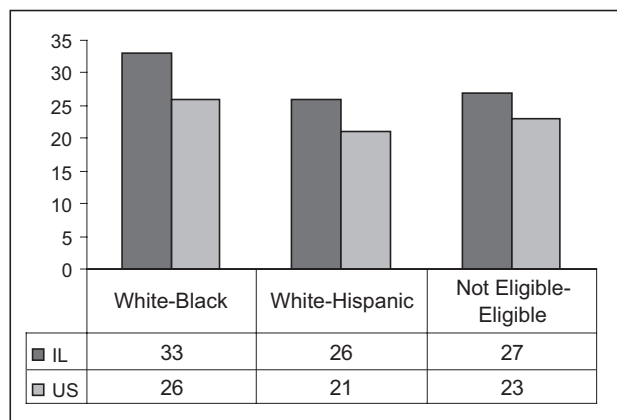


Figure 43 Illinois and U.S. Score Differences in Performance on 8th Grade NAEP Mathematics Tests by Ethnicity and Low-Income Status

