Figures and Tables: By Chapter

Chapter 1: Schools

Figures

Figure 1.1: Total Elementary and Secondary School Enrollment: By Type of School, 1978 & 2000 8

Figure 1.2: Elementary and Secondary Public School Enrollment: By Race/Ethnicity, 1976 & 1999 9

Figure 1.3: Emerging Education Alternatives: 1990 & 2000 12

Figure 1.4: Number of Public School Districts and Enrollment: Public School Districts and Enrollment, 1939–40—1999–2000 15

Figure 1.5: Elementary School Size: 1937–38—1997–98 16

Figure 1.6: Public School District Enrollment: By Size of School District, 1999–2000 18

Figure 1.7: Private School Enrollment: 1929–30—1999–2000 20

Figure 1.8: Public School Enrollment: 1929–30—1999–2000 21

Figure 1.9: Frequency of School Change: By Family Income, 1994 28

Figure 1.10: Likelihood of Frequent School Change: By Race and Ethnicity, 1994 30

Figure 1.11: Student Mobility Rates and Achievement: Third-Graders, 1994 31

Figure 1.12: Instruction Time per Year: Selected Countries, 14-Year-Olds, 1998 35

Figure 1.13: Instruction Time per Subject: Selected Countries, 12- to 14-Year-Olds, 1998 38

Figure 1.14: Instruction Time in Math and Science: Selected Countries, 14-Year-Olds, 1998 39

Figure 1.15: Instruction Time and Math Scores: Selected Countries, 8th-Graders or 14-Year-Olds 40

Figure 1.16: Student Behavior: 12th-Graders, 1980–2001 45

Figure 1.17: Nonfatal Crimes: Ages 12–18, 1993–99 54
Figure 1.18: Students Carrying Weapons:
   Grades 9–12, 1993–99

Figure 1.19: Gang Presence: Ages 12–18, 1989–99

Tables
Table 1.1: Elementary and Secondary School Enrollment:
   1950–2000
   7
Table 1.2: Elementary and Secondary Public School
   Enrollment: Percentage Minority Students
   by Race, 1976 & 1999
   9
Table 1.3: Elementary and Secondary School Enrollment:
   By Type of School, 1900–2000
   11
Table 1.4: Public School Districts and Public and Private
   Elementary and Secondary Schools:
   14
Table 1.5: Public School Districts and Enrollment:
   17
Table 1.6: Academic Performance of Students by School Size:
   Chicago Public Schools, 1997 & 1999
   23
Table 1.7: Hours of Instruction Time per Year:
   Selected Countries, 1998
   34
Table 1.8: Instruction Time per Subject:
   As a Percentage of Total Intended Instruction
   Time for Students, Selected Countries,
   12- to 14-Year-Olds, 1998
   36
Table 1.9: Intended Instruction Time per Year
   in Mathematics and Science:
   Selected Countries, 14-Year-Olds, 1998
   37
Table 1.10: Public’s Perception of Public Schools:
   Selected Problems, 1980–2001
   43
Table 1.11: Illicit Drug Use by Students: By Grade, Gender,
   and Race, 1980–2001
   44
Table 1.12: Alcohol Consumption by Students:
   By Grade, Gender, and Race, 1980–2001
   47
Table 1.13: Birthrates for Unmarried Women:
   By Age of Mother, 1980–2000
   49
Table 1.14: Cigarette Smoking by Students:
   By Grade, Gender, and Race, 1980–2001
   51
Table 1.15: Nonfatal Crimes against Students: 1993 & 1999
   53
Chapter 2: Teachers

Figures
Figure 2.1: Teachers’ and U.S. Workers’ Salaries: 1960–2001
Figure 2.2: Public Teacher Salaries, K–12 Public Education Expenditures, and Gross Domestic Product: 1961–2001
Figure 2.3: Teacher Attrition
Figure 2.4: Teacher Educational Attainment: 1961–96
Figure 2.5: Teachers without College Major or Minor in Their Teaching Field: Grades 7–12, 1999
Figure 2.6: Ratio of Pupils to Total Educational Staff: Public Schools, 1949–50—1999
Figure 2.7: Ratio of Pupils to Support and Instructional Staff: Public Schools, 1949–50—1999
Figure 2.8: Ratio of Pupils to Administrative Staff: Public Schools, 1949–50—1999
Figure 2.9: Teacher Workload: Public Secondary School Teachers, 1961–96
Figure 2.10: General Public Perception of Problems Facing Public Schools: 1970–2000
Figure 2.11: NEA and PTA Membership and Public School Enrollment: 1960–99
Figure 2.12: Teacher Political Affiliation: 1971–96
Figure 2.13: Teacher Political Affiliation and Union Political Contributions: 1995–96

Tables
Table 2.1: Salary Comparisons: Teachers, Average U.S. Workers, Government Workers, 1960–2001
Table 2.2: Teacher Salaries: 1961–2001
Table 2.3: Salary Comparisons: Teacher Salary, Consumer Price Index, Per Capita GDP, 1960–2001
Table 2.4: Teacher Duties
Table 2.5: SAT Scores: By Intended College Major, 2000–01
Table 2.6: Teacher Educational Attainment: 1961–96
Table 2.7: Public School Staff: By Functional Area, 1949–50—1999
Table 2.8: Public School Instructional Staff: By Job Description, 1949–50—1999
Table 2.9: Average Workweek of Public School Teachers: 1961–96

Table 2.10: Top 20 PAC Contributors to Federal Candidates: 2001–02 Contributions

Table 2.11: Contributions to Political Parties and Candidates: NEA and AFT Combined, 1977–2000

Table 2.12: NEA Political Contributions: 1977–2000

Table 2.13: AFT (Teacher) Political Contributions: 1977–2000

Chapter 3: Achievement

Figures

Figure 3.1: English Instruction Time and SAT I Verbal Scores: 1966–96

Figure 3.2: Mathematics Instruction Time and SAT I Math Scores: 1966–96

Figure 3.3: National Origin and Doctor's Degrees Awarded by U.S. Universities: Physical Sciences, 1979–80 & 1998–99

Figure 3.4: National Origin and Doctor's Degrees Awarded by U.S. Universities: Engineering, 1979–80 & 1998–99

Figure 3.5: Homework and NAEP Reading Scores: 9- and 13-Year-Olds, 1999

Figure 3.6: Homework and NAEP Reading and History Scores: 17-Year-Olds or Twelfth-Graders, 1996

Figure 3.7: Average Hours of Television Watched per Day: 1992–98

Figure 3.8: Amount of Television Watched and NAEP Scores: 17-Year-Olds or Twelfth-Graders, 1998

Figure 3.9: Television Viewing and Math Proficiency: By State, Eighth Grade, 1990

Figure 3.10: SAT I Scores: 1971–95

Figure 3.11: SAT I Scores and SAT I Test Takers

Figure 3.12: SAT I Test Takers: Graduating Seniors and Minorities, 1977–95

Figure 3.13: SAT I Scores of College-Bound Seniors: By Race, 1976–95

Figure 3.14: Public Schools with Service-Learning: 1998–99
Tables
Table 3.1: U.S. Student Ranking among TIMSS Countries: 1995 128
Table 3.2: National Student Performance: TIMSS, Fourth Grade, 1995 129
Table 3.3: National Student Performance: TIMSS, Eighth Grade, 1995 130–131
Table 3.4: National Student Performance: TIMSS, Twelfth Grade, 1995 132
Table 3.5: International Value-Added Comparisons: TIMSS Mathematics, Fourth and Eighth Grades, 1995 133
Table 3.6: International Value-Added Comparisons: TIMSS Science, Fourth and Eighth Grades, 1995 134
Table 3.7: Country Rankings in TIMSS Advanced Physics and Mathematics: Twelfth-Grade Students, 1995 135
Table 3.8: International Value-Added Comparison: Literacy, 9- and 14-Year-Old Students, 1991 136
Table 3.9: Designated Teaching Time in Subject Areas: Public Secondary School, 1966–96 138
Table 3.10: NAEP Average Scale Scores: 17-Year-Olds, 1970–99 139
Table 3.11: Average SAT Scores: Old Scale and Recentered Scale, College-Bound High School Seniors, 1966–2001 142
Table 3.12: Proportions of Ph.D. Degrees Conferred on Non-U.S. Citizens 145
Table 3.13: Foreign Students Enrolled in U.S. Higher Education 148
Table 3.14: Homework and NAEP Reading Scores: 1984–99 151
Table 3.15: Homework and NAEP U.S. History Scores: 1994 151
Table 3.16: Time Watching Television and Reading Performance: 1992–98 156
Table 3.17: Time Watching Television and Science Performance: 2000 159
Table 3.18: Extensive Television Viewing and Mathematics Proficiency: Eighth Grade, 1990 162
Table 3.19: Scholastic Aptitude Test: 1972–95 165
Table 3.20: SAT I Scores of College-Bound Seniors: By Race/Ethnicity, 1976–95 168

Figures and Tables xv
Table 3.21: Degree-Granting Institutions Offering Remedial Services: 1990–91—2000–01 174
Table 3.22: California State University Freshman Remediation Rates: 1997–2001 176

Chapter 4: Expenditures

Figures

Figure 4.1: Public School Funding Sources: 1919–20—1998–99 195
Figure 4.2: State Per-Pupil Expenditures and Reading Scores: Eighth Grade, 1998 201
Figure 4.3: Per-Pupil Expenditures: Public and Private Institutions, Selected Countries, 1999 207
Figure 4.4: Distribution of Current Expenditures: Selected Countries, 1999 210
Figure 4.5: Proportional Special Education Expenditures Paid by the Federal Government: 1993–2001 212
Figure 4.6: Special Education Enrollment: 1976–77—1999–2000 214
Figure 4.7: Proportion of Students with Disabilities: 1976–77—1999–2000 215
Figure 4.8: Title I Recipients: Public School Students, 1980–81—1997–98 221
Figure 4.9: Title I Schoolwide Participants: Public Schools, 1990–93—1997–98 222
Figure 4.10: NAEP Score Value-Added Comparisons: Public Schools, 1973–77 & 1992–96 223
Figure 4.11: Reading Performance: By Poverty Level of Public Schools, 1988–99 225
Figure 4.12: Math Performance: By Poverty Level of Public Schools, 1988–99 226

Tables

Table 4.1: Public Elementary and Secondary School Funding: 1919–20—1998–99 194
Table 4.2: Per-Pupil Expenditures: 1919–20—2000–01 198
Table 4.3: Descriptive Statistics, U.S. Public Schools: 1970 & 1995 199
Table 4.4: Student Achievement: U.S. Public Schools, 1970s & 1996 200
Table 4.5: Achievement Rankings and Per-Pupil Expenditures: Selected States, 1998 202
Table 4.6: Educational Expenditures: Primary, Secondary, and Postsecondary Nontertiary Education, Selected Countries, 1999 205
Table 4.7: Educational Expenditures per Student: Selected Countries, Public and Private Institutions, 1999 206
Table 4.8: Educational Expenditures: By Resource Category, Selected Countries, Public and Private Institutions, 1999 209
Table 4.9: Special Education: By Disability Category, 1977 & 2000 215
Table 4.10: Title I Participation: Public Schools, 1979–80—1997–98 220
Table 4.11: NAEP Scale Score Differences between Low-Poverty and High-Poverty Public Schools: 1988–99 224

Chapter 5: School Reform

Figures
Figure 5.1: Selected Characteristics of Charter School and Traditional Public School Students: 1997–98 243
Figure 5.2: Race and Ethnicity of Charter School and Public School Students: 1997–98 247
Figure 5.3: Public School Performance in Response to Charter Competition: Arizona, 2000 248
Figure 5.4: Public School Performance in Response to Charter Competition: Michigan, 2000 249
Figure 5.5: Milwaukee Public School Students’ Proficiency in Wisconsin Knowledge and Concepts Examination: Fourth Grade, 1997–98—1999–2000 252
Figure 5.6: Milwaukee Public School Students’ National Percentile Rankings: Fourth Grade, 1997–98—1999–2000 253
Figure 5.7: Milwaukee and Wisconsin Public School Fourth-Grade Proficiency Comparisons: 1997–98—1999–2000

Figure 5.8: Support For School Vouchers: 1996–99

Figure 5.9: Parents’ Satisfaction with Schools: Grades 3–12, 1999

Figure 5.10: Catholic School Demographics: 1970–2000

Figure 5.11: Reading Scores and Welfare Dependency: New York City Sixth-Graders, 1997–98

Figure 5.12: Grade Equivalents: Home Schooled Students, 1998

Figure 5.13: Education Accountability: By State

Tables

Table 5.1: Students Eligible for Free and Reduced-Price Lunch Programs: Selected States

Table 5.2: Students with Disabilities: Selected States, 1997–98

Table 5.3: Students with Limited English Proficiency: Selected States

Table 5.4: Racial Composition of Charter School Students: 1997–98

Table 5.5: Proficiency Levels of Wisconsin Public School Students: Percentage Change in Number of Students at or above Proficient Level, 1997–2000

Table 5.6: Wisconsin Fourth-Graders Scoring at or above Proficiency on the Knowledge and Concepts Examination: 1997–98—1999–2000

Table 5.7: Catholic School Enrollment: 1919–20—2000–01

Table 5.8: Catholic School Enrollment: By Race/Ethnicity, 1970–2000

Table 5.9: Home School Enrollment: 1978–2000

Table 5.10: Home and Private School Student Performance: Iowa Tests of Basic Skills, 1998

Table 5.11: Standards and Accountability: By State

Table 5.12: Recent New York City Summer School: 2000 & 2001
Chapter 6: Students and Their Families

Figure
Figure 6.1: Contribution of Explanatory Variables for Math Score Variation: Twelfth-Graders, 1996 299

Tables
Table 6.1: Parental Involvement, Home Environment, and Student Achievement 301
Table 6.2: Parents’ Ratings of Schools 304
Table 6.3: School Choice: 1996 306
Table 6.4: School Choice by Family Income Level: 1996 308

Appendix: Basic Data
Tables
Table A.1: Population by Race: 1970–2000 313
Table A.3: Poverty Status of Individuals and Families: All Races, 1980–2000 315
Table A.4: Poverty Status of Individuals and Families: By Race, 1980–2000 316
Table A.7: High School Dropouts: By Race, 1960–2000 319
Table A.8: Per-Pupil Expenditures: 1919–20—2000–01 320
Table A.9: Public School Instructional Staff: By Functional Area, 1949–50—1999 321
Table A.10: Performance on National Assessment of Educational Progress (NAEP): By Average Score and Proficiency by Age and Subject, 1971–99 322–323
Table A.11: SAT Scores: By Race, 1970–71—2000–01 324
Table A.12: ACT Scores: 1970–2001 324