

Appendix A: Supplementary Tables

Table A-1. Correlations between district enrollment and revenues per pupil (unadjusted dollars), by state: 1997–98

State	Total revenue	State revenue	General assistance	Instructional revenue	Local revenue	Property tax	Student fee	Federal revenue	Title I
United States	-0.04 ²	-0.02 ²	-0.04 ²	0.04 ²	-0.03 ²	-0.04 ²	0.00	0.00	0.02 ²
Alabama	-0.09	-0.31 ²	-0.36 ²	-0.04	0.03	0.19 ²	0.02	-0.10	-0.07
Alaska	-0.28 ²	-0.23	-0.22	—	0.02	—	0.03	-0.24	-0.23
Arizona	-0.22 ²	-0.12	-0.12	-0.11	-0.10	-0.09	0.13	-0.12	-0.13
Arkansas	-0.06	-0.20 ²	-0.22 ²	-0.02	0.17 ²	0.20 ²	0.12 ²	-0.16 ²	-0.12 ²
California	-0.02	0.01	0.00	0.13 ²	-0.03	-0.03	0.01	0.00	0.06
Colorado	-0.23 ²	-0.22 ²	-0.21 ²	0.13	-0.06	-0.03	0.27 ²	0.05	0.04
Connecticut	-0.10	0.05	0.07	0.09	-0.16 ²	—	0.01	0.64 ²	0.62 ²
Delaware	0.22	-0.38	-0.56 ²	0.07	0.73 ²	0.73 ²	-0.50 ²	-0.08	-0.12
District of Columbia	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Florida	0.02	-0.15	-0.15	0.04	0.17	0.19	0.10	-0.13	-0.18
Georgia	0.19 ²	-0.26 ²	-0.24 ²	—	0.46 ²	0.43 ²	0.17 ²	-0.30 ²	-0.22 ²
Hawaii	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Idaho	-0.27 ²	-0.43 ²	-0.25 ²	-0.17	-0.05	-0.03	0.13	-0.17	-0.18
Illinois	0.03	-0.03	-0.04	0.10 ²	0.02	0.03	-0.04	0.12 ²	0.08 ²
Indiana	0.28 ²	0.02	-0.08	-0.01	0.18 ²	0.16 ²	-0.12 ²	0.33 ²	0.21 ²
Iowa	-0.10 ²	-0.04	-0.02	-0.01	-0.15 ²	-0.10	-0.08	-0.01	-0.07
Kansas	-0.15 ²	-0.24 ²	-0.31 ²	0.25 ²	0.00	-0.01	0.09	0.10	-0.03
Kentucky	0.02	-0.26 ²	-0.27 ²	-0.01	0.26 ²	0.22 ²	-0.04	-0.08	-0.10
Louisiana	0.00	-0.37 ²	-0.36 ²	0.05	0.19	0.02	0.18	-0.24 ²	-0.21
Maine	-0.40 ²	-0.19 ²	-0.15 ²	—	-0.26 ²	0.10	0.01	-0.13	-0.23 ²
Maryland	0.32	-0.02	-0.12	0.29	0.22	—	-0.05	-0.12	-0.03
Massachusetts	0.04	0.23 ²	0.26 ²	0.03	-0.14 ²	—	0.01	0.45 ²	0.54 ²
Michigan	0.15 ²	0.10 ²	0.02	0.24 ²	0.06	0.04	0.09 ²	0.02	0.10 ²
Minnesota	0.00	-0.10	-0.15 ²	0.10	0.07	0.15 ²	0.18 ²	-0.04	-0.13 ²
Mississippi	-0.05	-0.36 ²	-0.33 ²	-0.31 ²	0.26 ²	0.44 ²	0.21 ²	-0.32 ²	-0.26 ²
Missouri	0.04	-0.17 ²	-0.25 ²	0.03	0.20 ²	0.24 ²	0.16 ²	-0.08	-0.13 ²
Montana	-0.16 ²	-0.15 ²	-0.11 ²	-0.05	-0.14 ²	-0.12 ²	0.07	-0.02	-0.03
Nebraska	-0.06	0.01	0.06	-0.01	-0.09 ²	-0.10 ²	0.12 ²	0.08 ²	0.10 ²
Nevada	-0.26	-0.39	-0.39	-0.22	-0.01	-0.10	-0.15	-0.19	-0.05
New Hampshire	-0.33 ²	-0.08	-0.06	0.07	-0.31 ²	-0.44 ²	0.14	0.10	0.08
New Jersey	-0.07	0.24 ²	0.21 ²	0.32 ²	-0.24 ²	-0.28 ²	-0.09 ²	0.11 ²	0.28 ²
New Mexico	-0.25 ²	-0.24 ²	-0.27 ²	-0.08	-0.06	-0.01	0.21	-0.09	-0.07
New York	-0.03	-0.02	-0.02	—	-0.02	-0.05	-0.06	0.09 ²	0.13 ²
North Carolina	-0.25 ²	-0.39 ²	-0.41 ²	-0.45 ²	0.18	—	0.01	-0.31 ²	-0.25 ²
North Dakota	-0.11	-0.10	-0.06	0.17 ²	-0.10	-0.09	0.17 ²	-0.04	-0.11
Ohio	0.12 ²	-0.01	-0.06	0.17 ²	0.08 ²	0.12 ²	-0.03	0.30 ²	0.23 ²
Oklahoma	-0.13 ²	-0.21 ²	-0.17 ²	-0.09 ²	-0.01	0.00	0.16 ²	-0.13 ²	-0.13 ²
Oregon	-0.18 ²	-0.19 ²	-0.19 ²	-0.02	-0.06	0.03	0.09	-0.03	-0.03
Pennsylvania	0.02	-0.08	-0.05	0.00	0.05	0.04	-0.08	0.11 ²	0.07
Rhode Island	-0.17	0.36 ²	0.38 ²	—	-0.37 ²	—	-0.40 ²	0.55 ²	0.65 ²
South Carolina	-0.08	-0.32 ²	-0.12	-0.42 ²	0.17	0.12	0.19	-0.37 ²	-0.30 ²
South Dakota	-0.15 ²	-0.15 ²	-0.21 ²	0.29 ²	-0.06	-0.04	0.00	-0.06	-0.12
Tennessee	0.11	-0.40 ²	-0.40 ²	-0.03	0.36 ²	—	-0.11	-0.14	-0.06
Texas	-0.13 ²	-0.19 ²	-0.17 ²	—	-0.03	-0.03	0.02	-0.02	0.00
Utah	-0.40 ²	-0.29	-0.18	-0.37 ²	-0.24	-0.22	0.23	-0.24	-0.24
Vermont	-0.36 ²	-0.19 ²	-0.21 ²	-0.19 ²	-0.28 ²	-0.37 ²	0.19 ²	0.21 ²	0.29 ²
Virginia	0.09	-0.25 ²	-0.22 ²	-0.28 ²	0.17	—	0.03	-0.10	-0.18 ²
Washington	-0.21 ²	-0.25 ²	-0.21 ²	-0.12 ²	0.22 ²	0.31 ²	0.17 ²	-0.14 ²	-0.11
West Virginia	-0.10	-0.28 ²	-0.24	—	0.38 ²	0.36 ²	0.43 ²	-0.21	-0.09
Wisconsin	-0.05	0.00	-0.02	0.10 ²	-0.05	-0.03	-0.08	0.04	0.12 ²
Wyoming	-0.43 ²	-0.19	-0.21	0.14	-0.18	-0.18	0.00	-0.15	-0.07

—Not available.

¹No state-level correlation analysis was possible for the District of Columbia or Hawaii since they only have one district.²Figure is statistically significant at the 0.05 level or better.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Common Core of Data, "School District Financial Survey (Form F-33): School Year 1997–98" and U.S. Department of Commerce, Bureau of the Census, 1990 Decennial Census, "School District Data Book."

Appendix A: Supplementary Tables

Table A-2. Correlations between district enrollment and revenues per pupil (cost-adjusted dollars), by state: 1997–98

State	Total revenue	State revenue	General assistance	Instructional revenue	Local revenue	Property tax	Student fee	Federal revenue	Title I
United States	-0.08 ²	-0.05 ²	-0.06 ²	0.03 ²	-0.05 ²	-0.06 ²	-0.02 ²	-0.01	0.00
Alabama	-0.24 ²	-0.41 ²	-0.49 ²	-0.08	0.01	0.18 ²	-0.02	-0.13	-0.10
Alaska	-0.27 ²	-0.22	-0.22	—	0.00	—	0.02	-0.24	-0.24
Arizona	-0.26 ²	-0.16 ²	-0.16 ²	-0.12	-0.13	-0.11	0.10	-0.13	-0.15 ²
Arkansas	-0.21 ²	-0.30 ²	-0.33 ²	-0.04	0.10	0.14 ²	0.06	-0.18 ²	-0.15 ²
California	-0.04	-0.03	-0.04	0.10 ²	-0.04	-0.04	-0.01	-0.01	0.03
Colorado	-0.30 ²	-0.26 ²	-0.25 ²	0.04	-0.12	-0.08	0.18 ²	0.00	0.01
Connecticut	-0.28 ²	-0.02	0.01	0.03	-0.24 ²	—	-0.02	0.58 ²	0.59 ²
Delaware	-0.03	-0.48	-0.67 ²	-0.02	0.68 ²	0.70 ²	-0.53 ²	-0.12	-0.19
District of Columbia	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Florida	-0.21	-0.23	-0.23	-0.07	0.13	0.15	0.04	-0.23	-0.24 ²
Georgia	-0.09	-0.37 ²	-0.45 ²	—	0.36 ²	0.32 ²	0.10	-0.32 ²	-0.25 ²
Hawaii	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Idaho	-0.32 ²	-0.46 ²	-0.30 ²	-0.18	-0.08	-0.06	0.07	-0.20 ²	-0.20 ²
Illinois	-0.01	-0.05	-0.05	0.07 ²	0.01	0.01	-0.05	0.08 ²	0.05
Indiana	0.07	-0.17 ²	-0.23 ²	-0.07	0.10	0.08	-0.21 ²	0.27 ²	0.16 ²
Iowa	-0.17 ²	-0.11 ²	-0.10	-0.02	-0.21 ²	-0.15 ²	-0.19 ²	-0.07	-0.10 ²
Kansas	-0.24 ²	-0.30 ²	-0.34 ²	0.22 ²	-0.04	-0.04	-0.04	0.06	-0.07
Kentucky	-0.13	-0.30 ²	-0.31 ²	-0.02	0.22 ²	0.19 ²	-0.08	-0.11	-0.12
Louisiana	-0.23	-0.49 ²	-0.48 ²	-0.01	0.14	-0.01	0.13	-0.32 ²	-0.28 ²
Maine	-0.45 ²	-0.25 ²	-0.20 ²	—	-0.30 ²	0.08	-0.04	-0.14 ²	-0.25 ²
Maryland	-0.07	-0.17	-0.21	0.22	0.10	—	-0.22	-0.20	-0.10
Massachusetts	-0.06	0.17 ²	0.22 ²	0.02	-0.18 ²	—	-0.02	0.40 ²	0.52 ²
Michigan	-0.01	-0.05	-0.10 ²	0.20 ²	0.02	0.01	0.06	0.00	0.06
Minnesota	-0.11 ²	-0.18 ²	-0.23 ²	0.01	0.02	0.05	0.09	-0.05	-0.16 ²
Mississippi	-0.19 ²	-0.46 ²	-0.47 ²	-0.36 ²	0.21 ²	0.41 ²	0.17 ²	-0.35 ²	-0.28 ²
Missouri	-0.16 ²	-0.26 ²	-0.30 ²	-0.05	0.05	0.11 ²	0.07	-0.15 ²	-0.18 ²
Montana	-0.20 ²	-0.20 ²	-0.17 ²	-0.06	-0.17 ²	-0.15 ²	0.04	-0.03	-0.04
Nebraska	-0.09 ²	-0.02	0.03	-0.03	-0.12 ²	-0.13 ²	0.09 ²	0.06	0.08
Nevada	-0.26	-0.38	-0.38	-0.21	-0.03	-0.10	-0.17	-0.19	-0.07
New Hampshire	-0.36 ²	-0.12	-0.09	0.06	-0.34 ²	-0.44 ²	0.09	0.04	0.04
New Jersey	-0.16 ²	0.17 ²	0.16 ²	0.26 ²	-0.29 ²	-0.31 ²	-0.11 ²	0.07	0.24 ²
New Mexico	-0.26 ²	-0.25 ²	-0.29 ²	-0.08	-0.08	-0.04	0.15	-0.10	-0.10
New York	-0.04	-0.03	-0.03	—	-0.03	-0.05	-0.07	0.06	0.09 ²
North Carolina	-0.36 ²	-0.43 ²	-0.46 ²	-0.48 ²	0.12	—	-0.04	-0.34 ²	-0.28 ²
North Dakota	-0.13 ²	-0.15 ²	-0.12	0.13	-0.11	-0.10	0.11	-0.05	-0.12
Ohio	0.03	-0.07	-0.12 ²	0.14 ²	0.05	0.09 ²	-0.07	0.25 ²	0.19 ²
Oklahoma	-0.19 ²	-0.27 ²	-0.23 ²	-0.10 ²	-0.04	-0.03	0.10 ²	-0.14 ²	-0.15 ²
Oregon	-0.21 ²	-0.21 ²	-0.20 ²	-0.03	-0.11	-0.02	0.06	-0.08	-0.05
Pennsylvania	-0.06	-0.10 ²	-0.07	-0.08	0.03	0.02	-0.12 ²	0.09 ²	0.06
Rhode Island	-0.24	0.33 ²	0.36 ²	—	-0.38 ²	—	-0.40 ²	0.52 ²	0.64 ²
South Carolina	-0.21 ²	-0.39 ²	-0.19	-0.44 ²	0.14	0.10	0.16	-0.39 ²	-0.31 ²
South Dakota	-0.20 ²	-0.20 ²	-0.25 ²	0.24 ²	-0.10	-0.08	-0.07	-0.07	-0.13
Tennessee	-0.09	-0.43 ²	-0.44 ²	-0.03	0.32 ²	—	-0.16	-0.20 ²	-0.11
Texas	-0.16 ²	-0.22 ²	-0.21 ²	—	-0.06	-0.05	-0.05	-0.04	-0.03
Utah	-0.42 ²	-0.32 ²	-0.23	-0.40 ²	-0.28	-0.26	0.13	-0.26	-0.27
Vermont	-0.41 ²	-0.22 ²	-0.23 ²	-0.23 ²	-0.32 ²	-0.40 ²	0.16 ²	0.16 ²	0.27 ²
Virginia	-0.09	-0.31 ²	-0.29 ²	-0.32 ²	0.10	—	-0.05	-0.16	-0.21 ²
Washington	-0.29 ²	-0.29 ²	-0.26 ²	-0.22 ²	0.08	0.20 ²	0.07	-0.16 ²	-0.13 ²
West Virginia	-0.20	-0.33 ²	-0.34 ²	—	0.34 ²	0.32 ²	0.41 ²	-0.26	-0.13
Wisconsin	-0.15 ²	-0.05	-0.07	0.05	-0.08	-0.06	-0.11 ²	0.02	0.07
Wyoming	-0.47 ²	-0.21	-0.23	0.09	-0.20	-0.20	-0.05	-0.16	-0.08

—Not available.

¹No state-level correlation analysis was possible for the District of Columbia or Hawaii since they only have one district.

²Figure is statistically significant at the 0.05 level or better.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Common Core of Data, “School District Financial Survey (Form F-33): School Year 1997–98” and U.S. Department of Commerce, Bureau of the Census, 1990 Decennial Census, “School District Data Book.”

Table A-3. Correlation between local revenues per pupil and selected school district fiscal and demographic characteristics (unadjusted dollars), by state: 1997–98

State	Minority enrollment	School-age children in poverty	Median household income	Median value owner-occupied housing
United States	-0.16 ²	-0.39 ²	0.53 ²	0.35 ²
Alabama	-0.32 ²	-0.50 ²	0.64 ²	0.69 ²
Alaska	0.03	-0.35 ²	0.52 ²	0.23
Arizona	-0.26 ²	-0.28 ²	0.31 ²	0.38 ²
Arkansas	(³)	(³)	(³)	(³)
California	-0.23 ²	-0.38 ²	0.40 ²	0.41 ²
Colorado	(³)	(³)	(³)	(³)
Connecticut	-0.49 ²	-0.63 ²	0.77 ²	0.47 ²
Delaware	0.21	-0.59 ²	0.70 ²	0.76 ²
District of Columbia	(¹)	(¹)	(¹)	(¹)
Florida	-0.19	-0.38 ²	0.48 ²	0.75 ²
Georgia	(³)	(³)	(³)	(³)
Hawaii	(¹)	(¹)	(¹)	(¹)
Idaho	-0.21 ²	-0.27 ²	0.29 ²	0.57 ²
Illinois	-0.18 ²	-0.47 ²	0.63 ²	0.69 ²
Indiana	0.02	-0.30 ²	0.43 ²	0.58 ²
Iowa	-0.10	-0.37 ²	0.36 ²	0.36 ²
Kansas	-0.15 ²	-0.26 ²	0.39 ²	0.43 ²
Kentucky	(³)	(³)	(³)	(³)
Louisiana	-0.07	-0.47 ²	0.70 ²	0.60 ²
Maine	0.14 ²	-0.18 ²	0.26 ²	0.47 ²
Maryland	-0.37	-0.65 ²	0.82 ²	0.90 ²
Massachusetts	-0.03	-0.41 ²	0.51 ²	0.67 ²
Michigan	-0.22 ²	-0.40 ²	0.53 ²	0.64 ²
Minnesota	0.19 ²	-0.05	0.29 ²	0.45 ²
Mississippi	(³)	(³)	(³)	(³)
Missouri	0.15 ²	-0.26 ²	0.52 ²	0.57 ²
Montana	-0.18 ²	-0.13 ²	0.09	-0.08
Nebraska	-0.35 ²	-0.09 ²	-0.04	-0.13 ²
Nevada	0.48	0.29	0.16	0.17
New Hampshire	-0.07	-0.26 ²	0.23 ²	0.43 ²
New Jersey	(³)	(³)	(³)	(³)
New Mexico	(³)	(³)	(³)	(³)
New York	-0.32 ²	-0.58 ²	0.79 ²	0.53 ²
North Carolina	-0.19 ²	-0.49 ²	0.66 ²	0.77 ²
North Dakota	-0.40 ²	-0.22 ²	0.15 ²	-0.03
Ohio	0.03	-0.40 ²	0.58 ²	0.72 ²
Oklahoma	(³)	(³)	(³)	(³)
Oregon	0.17 ²	-0.21 ²	0.31 ²	0.41 ²
Pennsylvania	-0.25 ²	-0.64 ²	0.79 ²	0.81 ²
Rhode Island	-0.60 ²	-0.68 ²	0.74 ²	0.69 ²
South Carolina	-0.10	-0.23 ²	0.31 ²	0.49 ²
South Dakota	(³)	(³)	(³)	(³)
Tennessee	0.39 ²	0.01	0.29 ²	0.44 ²
Texas	-0.06	-0.38 ²	0.42 ²	0.47 ²
Utah	0.21	0.25	-0.15	0.28
Vermont	0.00	-0.25 ²	0.28 ²	0.48 ²
Virginia	-0.03	-0.42 ²	0.71 ²	0.86 ²
Washington	0.03	-0.43 ²	0.54 ²	0.73 ²
West Virginia	0.28 ²	-0.53 ²	0.61 ²	0.52 ²
Wisconsin	-0.28 ²	-0.46 ²	0.57 ²	0.69 ²
Wyoming	-0.22	-0.44 ²	0.61 ²	0.33 ²

¹No state-level correlation analysis was possible for the District of Columbia or Hawaii since they only have one district.

²Figure is statistically significant at the 0.05 level or better.

³Nine other states (Arkansas, Colorado, Georgia, Kentucky, Mississippi, New Jersey, New Mexico, Oklahoma, and South Dakota) were excluded from state-level correlation analysis because more than 50 percent of the school districts in the state were missing Census data.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Common Core of Data, "School District Financial Survey (Form F-33): School Year 1997–98" and U.S. Department of Commerce, Bureau of the Census, 1990 Decennial Census, "School District Data Book."

Appendix A: Supplementary Tables

Table A-4. Correlation between local revenues per pupil and selected school district fiscal and demographic characteristics (cost-adjusted dollars), by state: 1997–98

State	Minority enrollment	School-age children in poverty	Median household income	Median value owner-occupied housing
United States	-0.20 ²	-0.38 ²	0.45 ²	0.23 ²
Alabama	-0.34 ²	-0.49 ²	0.60 ²	0.66 ²
Alaska	-0.06	-0.44 ²	0.60 ²	0.33 ²
Arizona	-0.25 ²	-0.26 ²	0.27 ²	0.35 ²
Arkansas	(³)	(³)	(³)	(³)
California	-0.26 ²	-0.34 ²	0.34 ²	0.33 ²
Colorado	(³)	(³)	(³)	(³)
Connecticut	-0.53 ²	-0.65 ²	0.76 ²	0.46 ²
Delaware	0.21	-0.56 ²	0.65 ²	0.74 ²
District of Columbia	(¹)	(¹)	(¹)	(¹)
Florida	-0.23	-0.38 ²	0.43 ²	0.69 ²
Georgia	(³)	(³)	(³)	(³)
Hawaii	(¹)	(¹)	(¹)	(¹)
Idaho	-0.20 ²	-0.25 ²	0.26 ²	0.54 ²
Illinois	-0.24 ²	-0.49 ²	0.59 ²	0.64 ²
Indiana	-0.09	-0.33 ²	0.37 ²	0.50 ²
Iowa	-0.25 ²	-0.30 ²	0.17 ²	0.14 ²
Kansas	-0.17 ²	-0.21 ²	0.28 ²	0.31 ²
Kentucky	(³)	(³)	(³)	(³)
Louisiana	-0.12	-0.47 ²	0.67 ²	0.51 ²
Maine	0.09	-0.13	0.17 ²	0.36 ²
Maryland	-0.40	-0.67 ²	0.81 ²	0.89 ²
Massachusetts	-0.05	-0.41 ²	0.49 ²	0.64 ²
Michigan	-0.25 ²	-0.39 ²	0.47 ²	0.60 ²
Minnesota	0.13 ²	-0.04	0.20 ²	0.34 ²
Mississippi	(³)	(³)	(³)	(³)
Missouri	0.07	-0.23 ²	0.42 ²	0.46 ²
Montana	-0.17 ²	-0.10 ²	0.06	-0.15 ²
Nebraska	-0.41 ²	-0.04	-0.17 ²	-0.30 ²
Nevada	0.50 ²	0.33	0.10	0.10
New Hampshire	-0.15	-0.17 ²	0.10	0.28 ²
New Jersey	(³)	(³)	(³)	(³)
New Mexico	(³)	(³)	(³)	(³)
New York	-0.40 ²	-0.62 ²	0.75 ²	0.43 ²
North Carolina	-0.21 ²	-0.46 ²	0.60 ²	0.72 ²
North Dakota	-0.37 ²	-0.14 ²	0.05	-0.17 ²
Ohio	-0.03	-0.43 ²	0.59 ²	0.71 ²
Oklahoma	(³)	(³)	(³)	(³)
Oregon	0.13	-0.17 ²	0.25 ²	0.37 ²
Pennsylvania	-0.31 ²	-0.66 ²	0.76 ²	0.77 ²
Rhode Island	-0.60 ²	-0.68 ²	0.74 ²	0.70 ²
South Carolina	-0.07	-0.19	0.26 ²	0.45 ²
South Dakota	(³)	(³)	(³)	(³)
Tennessee	0.36 ²	0.02	0.24 ²	0.39 ²
Texas	-0.08 ²	-0.33 ²	0.33 ²	0.38 ²
Utah	0.19	0.26	-0.17	0.24
Vermont	-0.05	-0.22 ²	0.21 ²	0.42 ²
Virginia	-0.06	-0.42 ²	0.67 ²	0.80 ²
Washington	-0.03	-0.39 ²	0.47 ²	0.65 ²
West Virginia	0.25	-0.51 ²	0.57 ²	0.48 ²
Wisconsin	-0.33 ²	-0.46 ²	0.50 ²	0.62 ²
Wyoming	-0.23	-0.42 ²	0.58 ²	0.30 ²

¹No state-level correlation analysis was possible for the District of Columbia or Hawaii since they only have one district.

²Figure is statistically significant at the 0.05 level or better.

³Nine other states (Arkansas, Colorado, Georgia, Kentucky, Mississippi, New Jersey, New Mexico, Oklahoma, and South Dakota) were excluded from state-level correlation analysis because more than 50 percent of the school districts in the state were missing Census data.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Common Core of Data, "School District Financial Survey (Form F-33): School Year 1997–98" and U.S. Department of Commerce, Bureau of the Census, 1990 Decennial Census, "School District Data Book."

Table A-5. Correlation between property tax revenues per pupil and selected school district fiscal and demographic characteristics (unadjusted dollars), by state: 1997–98

State	Minority enrollment	School-age children in poverty	Median household income	Median value owner-occupied housing
United States	-0.21 ²	-0.28 ²	0.33 ²	0.11 ²
Alabama	-0.04	-0.34 ²	0.63 ²	0.68 ²
Alaska	—	—	—	—
Arizona	-0.41 ²	-0.48 ²	0.54 ²	0.59 ²
Arkansas	(³)	(³)	(³)	(³)
California	-0.27 ²	-0.36 ²	0.36 ²	0.43 ²
Colorado	(³)	(³)	(³)	(³)
Connecticut	—	—	—	—
Delaware	0.26	-0.57 ²	0.66 ²	0.69 ²
District of Columbia	(¹)	(¹)	(¹)	(¹)
Florida	-0.17	-0.39 ²	0.49 ²	0.76 ²
Georgia	(³)	(³)	(³)	(³)
Hawaii	(¹)	(¹)	(¹)	(¹)
Idaho	-0.21 ²	-0.28 ²	0.32 ²	0.61 ²
Illinois	-0.02	-0.35 ²	0.68 ²	0.78 ²
Indiana	0.12 ²	-0.22 ²	0.41 ²	0.56 ²
Iowa	0.01	-0.32 ²	0.38 ²	0.42 ²
Kansas	-0.13 ²	-0.24 ²	0.36 ²	0.40 ²
Kentucky	(³)	(³)	(³)	(³)
Louisiana	0.17	-0.14	0.37 ²	0.32 ²
Maine	-0.20 ²	-0.09	-0.04	-0.05
Maryland	—	—	—	—
Massachusetts	—	—	—	—
Michigan	-0.20 ²	-0.36 ²	0.46 ²	0.59 ²
Minnesota	0.21 ²	-0.10	0.38 ²	0.58 ²
Mississippi	(³)	(³)	(³)	(³)
Missouri	0.20 ²	-0.25 ²	0.54 ²	0.60 ²
Montana	-0.31 ²	-0.09	0.14	-0.39 ²
Nebraska	-0.34 ²	-0.13 ²	-0.03	-0.12 ²
Nevada	0.12	0.08	0.04	-0.03
New Hampshire	-0.58 ²	-0.41 ²	0.28 ²	0.24 ²
New Jersey	(³)	(³)	(³)	(³)
New Mexico	(³)	(³)	(³)	(³)
New York	-0.64 ²	-0.81 ²	0.77 ²	0.20 ²
North Carolina	—	—	—	—
North Dakota	-0.44 ²	-0.33 ²	0.22 ²	0.05
Ohio	0.09 ²	-0.35 ²	0.55 ²	0.70 ²
Oklahoma	(³)	(³)	(³)	(³)
Oregon	0.20 ²	-0.21 ²	0.29 ²	0.40 ²
Pennsylvania	-0.26 ²	-0.64 ²	0.80 ²	0.84 ²
Rhode Island	—	—	—	—
South Carolina	-0.25 ²	-0.23 ²	0.28 ²	0.45 ²
South Dakota	(³)	(³)	(³)	(³)
Tennessee	—	—	—	—
Texas	-0.03	-0.36 ²	0.41 ²	0.48 ²
Utah	0.22	0.27	-0.17	0.24
Vermont	0.28	-0.11	0.04	0.55 ²
Virginia	—	—	—	—
Washington	0.11	-0.38 ²	0.48 ²	0.69 ²
West Virginia	0.27 ²	-0.53 ²	0.59 ²	0.51 ²
Wisconsin	-0.30 ²	-0.49 ²	0.58 ²	0.71 ²
Wyoming	-0.22	-0.45 ²	0.58 ²	0.31 ²

—Not available.

¹No state-level correlation analysis was possible for the District of Columbia or Hawaii since they only have one district.

²Figure is statistically significant at the 0.05 level or better.

³Nine other states (Arkansas, Colorado, Georgia, Kentucky, Mississippi, New Jersey, New Mexico, Oklahoma, and South Dakota) were excluded from state-level correlation analysis because more than 50 percent of the school districts in the state were missing Census data.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Common Core of Data, "School District Financial Survey (Form F-33): School Year 1997–98" and U.S. Department of Commerce, Bureau of the Census, 1990 Decennial Census, "School District Data Book."

Appendix A: Supplementary Tables

Table A-6. Correlation between local property tax revenues per pupil and selected school district fiscal and demographic characteristics (cost-adjusted dollars), by state: 1997–98

State	Minority enrollment	School-age children in poverty	Median household income	Median value owner-occupied housing
United States	-0.24 ²	-0.27 ²	0.26 ²	0.03 ²
Alabama	-0.04	-0.33 ²	0.62 ²	0.68 ²
Alaska	—	—	—	—
Arizona	-0.38 ²	-0.44 ²	0.48 ²	0.53 ²
Arkansas	(³)	(³)	(³)	(³)
California	-0.30 ²	-0.32 ²	0.30 ²	0.36 ²
Colorado	(³)	(³)	(³)	(³)
Connecticut	—	—	—	—
Delaware	0.27	-0.55 [*]	0.61 ²	0.67 ²
District of Columbia	(¹)	(¹)	(¹)	(¹)
Florida	-0.21	-0.39 [*]	0.45 ²	0.70 ²
Georgia	(³)	(³)	(³)	(³)
Hawaii	(¹)	(¹)	(¹)	(¹)
Idaho	-0.21 ²	-0.27 ²	0.30 ²	0.58 ²
Illinois	-0.15 ²	-0.42 ²	0.62 ²	0.65 ²
Indiana	0.02	-0.25 ²	0.37 ²	0.50 ²
Iowa	-0.15 ²	-0.26 ²	0.21 ²	0.21 ²
Kansas	-0.15 ²	-0.19 ²	0.27 ²	0.29 ²
Kentucky	(³)	(³)	(³)	(³)
Louisiana	0.13	-0.15	0.35 ²	0.27 ²
Maine	-0.21 ²	-0.06	-0.08	-0.09
Maryland	—	—	—	—
Massachusetts	—	—	—	—
Michigan	-0.22 ²	-0.35 ²	0.40 ²	0.54 ²
Minnesota	0.14 ²	-0.09	0.29 ²	0.48 ²
Mississippi	(³)	(³)	(³)	(³)
Missouri	0.15 ²	-0.23 ²	0.48 ²	0.54 ²
Montana	-0.29	-0.07	0.10	-0.44 ²
Nebraska	-0.41 ²	-0.07	-0.16 ²	-0.31 ²
Nevada	0.13	0.10	0.00	-0.07
New Hampshire	-0.59 ²	-0.36 ²	0.21	0.19
New Jersey	(³)	(³)	(³)	(³)
New Mexico	(³)	(³)	(³)	(³)
New York	-0.69 ²	-0.83 ²	0.73 ²	0.13 ²
North Carolina	—	—	—	—
North Dakota	-0.42 ²	-0.26 ²	0.12	-0.10
Ohio	0.04	-0.37 ²	0.56 ²	0.70 ²
Oklahoma	(³)	(³)	(³)	(³)
Oregon	0.17 ²	-0.18 ²	0.23 ²	0.35 ²
Pennsylvania	-0.31 ²	-0.66 ²	0.78 ²	0.81 ²
Rhode Island	—	—	—	—
South Carolina	-0.23 ²	-0.20	0.24 ²	0.42 ²
South Dakota	(³)	(³)	(³)	(³)
Tennessee	—	—	—	—
Texas	-0.05	-0.32 ²	0.34 ²	0.38 ²
Utah	0.19	0.28	-0.19	0.21
Vermont	0.23	-0.11	0.00	0.52 ²
Virginia	—	—	—	—
Washington	0.06	-0.35 ²	0.43 ²	0.62 ²
West Virginia	0.24	-0.50 ²	0.56 ²	0.47 ²
Wisconsin	-0.35 ²	-0.49 ²	0.52 ²	0.64 ²
Wyoming	-0.23	-0.44 ²	0.56 ²	0.29

—Not available.

¹No state-level correlation analysis was possible for the District of Columbia or Hawaii since they only have one district.

²Figure is statistically significant at the 0.05 level or better.

³Nine other states (Arkansas, Colorado, Georgia, Kentucky, Mississippi, New Jersey, New Mexico, Oklahoma, and South Dakota) were excluded from state-level correlation analysis because more than 50 percent of the school districts in the state were missing Census data.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Common Core of Data, "School District Financial Survey (Form F-33): School Year 1997–98" and U.S. Department of Commerce, Bureau of the Census, 1990 Decennial Census, "School District Data Book."

Table A-7. Correlation between student fees per pupil and selected school district fiscal and demographic characteristics (unadjusted dollars), by state: 1997–98

State	Minority enrollment	School-age children in poverty	Median household income	Median value owner-occupied housing
United States	-0.46 ²	-0.52 ²	0.32 ²	-0.05 ²
Alabama	-0.72 ²	-0.79 ²	0.62 ²	0.48 ²
Alaska	-0.29 ²	-0.24	0.43 ²	0.11
Arizona	-0.42 ²	-0.52 ²	0.55 ²	0.54 ²
Arkansas	(³)	(³)	(³)	(³)
California	-0.39 ²	-0.50 ²	0.41 ²	0.22 ²
Colorado	(³)	(³)	(³)	(³)
Connecticut	-0.43 ²	-0.41 ²	0.45 ²	0.11
Delaware	-0.35	0.17	-0.17	-0.13
District of Columbia	(¹)	(¹)	(¹)	(¹)
Florida	-0.08	-0.38 ²	0.35 ²	0.18
Georgia	(³)	(³)	(³)	(³)
Hawaii	(¹)	(¹)	(¹)	(¹)
Idaho	-0.27 ²	-0.25 ²	0.33 ²	0.37 ²
Illinois	-0.57 ²	-0.62 ²	0.49 ²	0.37 ²
Indiana	-0.55 ²	-0.66 ²	0.53 ²	0.51 ²
Iowa	-0.30 ²	-0.49 ²	0.40 ²	0.32 ²
Kansas	-0.51 ²	-0.68 ²	0.63 ²	0.59 ²
Kentucky	(³)	(³)	(³)	(³)
Louisiana	-0.39 ²	-0.57 ²	0.56 ²	0.32 ²
Maine	-0.03	-0.02	-0.01	0.03
Maryland	-0.24	-0.80 ²	0.66 ²	0.62 ²
Massachusetts	0.04	-0.02	0.08	0.24 ²
Michigan	-0.57 ²	-0.66 ²	0.66 ²	0.60 ²
Minnesota	-0.31 ²	-0.56 ²	0.59 ²	0.56 ²
Mississippi	(³)	(³)	(³)	(³)
Missouri	-0.26 ²	-0.43 ²	0.46 ²	0.44 ²
Montana	-0.13 ²	-0.16 ²	0.13 ²	0.09
Nebraska	-0.48 ²	-0.50 ²	0.45 ²	0.30 ²
Nevada	-0.58 ²	-0.48	0.11	0.14
New Hampshire	-0.17 ²	-0.09	0.06	0.14
New Jersey	(³)	(³)	(³)	(³)
New Mexico	(³)	(³)	(³)	(³)
New York	-0.76 ²	-0.78 ²	0.56 ²	-0.07
North Carolina	-0.44 ²	-0.51 ²	0.38 ²	0.28 ²
North Dakota	-0.38 ²	-0.38 ²	0.33 ²	0.45 ²
Ohio	-0.35 ²	-0.56 ²	0.54 ²	0.51 ²
Oklahoma	(³)	(³)	(³)	(³)
Oregon	-0.16 ²	-0.39 ²	0.40 ²	0.39 ²
Pennsylvania	-0.66 ²	-0.79 ²	0.59 ²	0.56 ²
Rhode Island	-0.79 ²	-0.78 ²	0.74 ²	0.54 ²
South Carolina	-0.67 ²	-0.71 ²	0.64 ²	0.34 ²
South Dakota	(³)	(³)	(³)	(³)
Tennessee	-0.37 ²	-0.27 ²	0.12	0.19 ²
Texas	-0.49 ²	-0.77 ²	0.69 ²	0.50 ²
Utah	-0.37 ²	-0.59 ²	0.70 ²	0.52 ²
Vermont	-0.05	-0.08	0.03	0.02
Virginia	-0.39 ²	-0.53 ²	0.62 ²	0.63 ²
Washington	-0.39 ²	-0.59 ²	0.71 ²	0.63 ²
West Virginia	0.12	-0.45 ²	0.54 ²	0.52 ²
Wisconsin	-0.61 ²	-0.59 ²	0.32 ²	0.24 ²
Wyoming	-0.42 ²	-0.54 ²	0.54 ²	0.44 ²

¹No state-level correlation analysis was possible for the District of Columbia or Hawaii since they only have one district.

²Figure is statistically significant at the 0.05 level or better.

³Nine other states (Arkansas, Colorado, Georgia, Kentucky, Mississippi, New Jersey, New Mexico, Oklahoma, and South Dakota) were excluded from state-level correlation analysis because more than 50 percent of the school districts in the state were missing Census data.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Common Core of Data, "School District Financial Survey (Form F-33): School Year 1997–98" and U.S. Department of Commerce, Bureau of the Census, 1990 Decennial Census, "School District Data Book."

Appendix A: Supplementary Tables

Table A-8. Correlation between student fees per pupil and selected school district fiscal and demographic characteristics (cost-adjusted dollars), by state: 1997–98

State	Minority enrollment	School-age children in poverty	Median household income	Median value owner-occupied housing
United States	-0.48 ²	-0.47 ²	0.21 ²	-0.16 ²
Alabama	-0.74 ²	-0.77 ²	0.57 ²	0.44 ²
Alaska	-0.29 ²	-0.26	0.44 ²	0.14
Arizona	-0.41 ²	-0.50 ²	0.52 ²	0.52 ²
Arkansas	(³)	(³)	(³)	(³)
California	-0.41 ²	-0.47 ²	0.36 ²	0.16 ²
Colorado	(³)	(³)	(³)	(³)
Connecticut	-0.44 ²	-0.41 ²	0.43 ²	0.10
Delaware	-0.34	0.25	-0.27	-0.22
District of Columbia	(¹)	(¹)	(¹)	(¹)
Florida	-0.12	-0.33 ²	0.25 ²	0.03
Georgia	(³)	(³)	(³)	(³)
Hawaii	(¹)	(¹)	(¹)	(¹)
Idaho	-0.26 ²	-0.23 ²	0.28 ²	0.32 ²
Illinois	-0.61 ²	-0.60 ²	0.41 ²	0.27 ²
Indiana	-0.60 ²	-0.64 ²	0.45 ²	0.41 ²
Iowa	-0.42 ²	-0.44 ²	0.25 ²	0.15 ²
Kansas	-0.61 ²	-0.62 ²	0.46 ²	0.40 ²
Kentucky	(³)	(³)	(³)	(³)
Louisiana	-0.42 ²	-0.56 ²	0.52 ²	0.26 ²
Maine	-0.06	0.02	-0.08	-0.05
Maryland	-0.26	-0.78 ²	0.59 ²	0.54 ²
Massachusetts	0.03	-0.02	0.05	0.20 ²
Michigan	-0.60 ²	-0.66 ²	0.60 ²	0.55 ²
Minnesota	-0.37 ²	-0.54 ²	0.50 ²	0.44 ²
Mississippi	(³)	(³)	(³)	(³)
Missouri	-0.31 ²	-0.41 ²	0.37 ²	0.34 ²
Montana	-0.13 ²	-0.15 ²	0.12 ²	0.06
Nebraska	-0.55 ²	-0.42 ²	0.28 ²	0.10 ²
Nevada	-0.49 ²	-0.38	0.01	0.06
New Hampshire	-0.22 ²	-0.03	-0.03	0.05
New Jersey	(³)	(³)	(³)	(³)
New Mexico	(³)	(³)	(³)	(³)
New York	-0.79 ²	-0.77 ²	0.48 ²	-0.17 ²
North Carolina	-0.46 ²	-0.46 ²	0.29 ²	0.18 ²
North Dakota	-0.40 ²	-0.35 ²	0.26 ²	0.32 ²
Ohio	-0.42 ²	-0.57 ²	0.51 ²	0.46 ²
Oklahoma	(³)	(³)	(³)	(³)
Oregon	-0.17 ²	-0.38 ²	0.39 ²	0.38 ²
Pennsylvania	-0.71 ²	-0.75 ²	0.47 ²	0.43 ²
Rhode Island	-0.78 ²	-0.78 ²	0.74 ²	0.56 ²
South Carolina	-0.67 ²	-0.69 ²	0.61 ²	0.30 ²
South Dakota	(³)	(³)	(³)	(³)
Tennessee	-0.40 ²	-0.24 ²	0.05	0.10
Texas	-0.52 ²	-0.73 ²	0.60 ²	0.42 ²
Utah	-0.40 ²	-0.56 ²	0.65 ²	0.46 ²
Vermont	-0.07	-0.08	0.02	0.01
Virginia	-0.46 ²	-0.45 ²	0.44 ²	0.42 ²
Washington	-0.45 ²	-0.55 ²	0.63 ²	0.53 ²
West Virginia	0.09	-0.44 ²	0.52 ²	0.49 ²
Wisconsin	-0.63 ²	-0.56 ²	0.22 ²	0.14 ²
Wyoming	-0.43 ²	-0.51 ²	0.49 ²	0.40 ²

¹No state-level correlation analysis was possible for the District of Columbia or Hawaii since they only have one district.

²Figure is statistically significant at the 0.05 level or better.

³Nine other states (Arkansas, Colorado, Georgia, Kentucky, Mississippi, New Jersey, New Mexico, Oklahoma, and South Dakota) were excluded from state-level correlation analysis because more than 50 percent of the school districts in the state were missing Census data.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Common Core of Data, "School District Financial Survey (Form F-33): School Year 1997–98" and U.S. Department of Commerce, Bureau of the Census, 1990 Decennial Census, "School District Data Book."

Table A-9. Correlation between percent local revenues and selected school district fiscal and demographic characteristics, by state: 1997–98

State	Minority enrollment	School-age children in poverty	Median household income	Median value owner-occupied housing
United States	-0.24 ²	-0.48 ²	0.52 ²	0.27 ²
Alabama	-0.39 ²	-0.59 ²	0.68 ²	0.71 ²
Alaska	-0.56 ²	-0.77 ²	0.84 ²	0.71 ²
Arizona	-0.48 ²	-0.50 ²	0.49 ²	0.58 ²
Arkansas	(³)	(³)	(³)	(³)
California	-0.34 ²	-0.50 ²	0.51 ²	0.45 ²
Colorado	(³)	(³)	(³)	(³)
Connecticut	-0.61 ²	-0.76 ²	0.80 ²	0.55 ²
Delaware	0.15	-0.58 ²	0.69 ²	0.76 ²
District of Columbia	(¹)	(¹)	(¹)	(¹)
Florida	-0.26 ²	-0.49 ²	0.51 ²	0.71 ²
Georgia	(³)	(³)	(³)	(³)
Hawaii	(¹)	(¹)	(¹)	(¹)
Idaho	-0.27 ²	-0.32 ²	0.37 ²	0.64 ²
Illinois	-0.36 ²	-0.69 ²	0.76 ²	0.72 ²
Indiana	-0.22 ²	-0.54 ²	0.57 ²	0.67 ²
Iowa	-0.23 ²	-0.52 ²	0.46 ²	0.48 ²
Kansas	-0.18 ²	-0.41 ²	0.56 ²	0.63 ²
Kentucky	(³)	(³)	(³)	(³)
Louisiana	-0.05	-0.51 ²	0.74 ²	0.68 ²
Maine	0.14 ²	-0.25 ²	0.36 ²	0.59 ²
Maryland	-0.53 ²	-0.83 ²	0.87 ²	0.87 ²
Massachusetts	-0.32 ²	-0.66 ²	0.67 ²	0.67 ²
Michigan	-0.37 ²	-0.49 ²	0.48 ²	0.59 ²
Minnesota	0.03	-0.28 ²	0.50 ²	0.65 ²
Mississippi	(³)	(³)	(³)	(³)
Missouri	-0.24 ²	-0.60 ²	0.70 ²	0.69 ²
Montana	-0.61 ²	-0.50 ²	0.36 ²	0.28 ²
Nebraska	-0.43 ²	-0.19 ²	0.04	-0.03
Nevada	0.57 ²	0.32	0.32	0.55 ²
New Hampshire	0.10	-0.47 ²	0.52 ²	0.66 ²
New Jersey	(³)	(³)	(³)	(³)
New Mexico	(³)	(³)	(³)	(³)
New York	-0.27 ²	-0.59 ²	0.78 ²	0.55 ²
North Carolina	-0.25 ²	-0.61 ²	0.78 ²	0.83 ²
North Dakota	-0.76 ²	-0.59 ²	0.44 ²	0.20 ²
Ohio	-0.24 ²	-0.65 ²	0.72 ²	0.76 ²
Oklahoma	(³)	(³)	(³)	(³)
Oregon	0.02	-0.36 ²	0.41 ²	0.52 ²
Pennsylvania	-0.35 ²	-0.78 ²	0.82 ²	0.81 ²
Rhode Island	-0.69 ²	-0.79 ²	0.86 ²	0.72 ²
South Carolina	-0.28 ²	-0.38 ²	0.43 ²	0.58 ²
South Dakota	(³)	(³)	(³)	(³)
Tennessee	0.33 ²	-0.15	0.45 ²	0.56 ²
Texas	0.00	-0.56 ²	0.61 ²	0.65 ²
Utah	0.11	0.13	-0.04	0.37 ²
Vermont	0.04	-0.31 ²	0.32 ²	0.52 ²
Virginia	-0.18 ²	-0.62 ²	0.82 ²	0.87 ²
Washington	-0.12 ²	-0.56 ²	0.63 ²	0.75 ²
West Virginia	0.31 ²	-0.61 ²	0.70 ²	0.58 ²
Wisconsin	-0.40 ²	-0.58 ²	0.63 ²	0.72 ²
Wyoming	-0.26	-0.52 ²	0.71 ²	0.41 ²

¹No state-level correlation analysis was possible for the District of Columbia or Hawaii since they only have one district.

²Figure is statistically significant at the 0.05 level or better.

³Nine other states (Arkansas, Colorado, Georgia, Kentucky, Mississippi, New Jersey, New Mexico, Oklahoma, and South Dakota) were excluded from state-level correlation analysis because more than 50 percent of the school districts in the state were missing Census data.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Common Core of Data, "School District Financial Survey (Form F-33): School Year 1997–98" and U.S. Department of Commerce, Bureau of the Census, 1990 Decennial Census, "School District Data Book."

Appendix A: Supplementary Tables

Table A-10. Correlation between state revenues per pupil and selected school district fiscal and demographic characteristics (unadjusted dollars), by state: 1997–98

State	Minority enrollment	School-age children in poverty	Median household income	Median value owner-occupied housing
United States	0.20 ²	0.32 ²	-0.31 ²	-0.12 ²
Alabama	0.12	0.36 ²	-0.52 ²	-0.56 ²
Alaska	0.67 ²	0.66 ²	-0.58 ²	-0.70 ²
Arizona	0.35 ²	0.38 ²	-0.35 ²	-0.43 ²
Arkansas	(³)	(³)	(³)	(³)
California	0.41 ²	0.47 ²	-0.45 ²	-0.33 ²
Colorado	(³)	(³)	(³)	(³)
Connecticut	0.63 ²	0.79 ²	-0.80 ²	-0.54 ²
Delaware	0.01	0.27	-0.42	-0.52 ²
District of Columbia	(¹)	(¹)	(¹)	(¹)
Florida	0.32 ²	0.51 ²	-0.45 ²	-0.51 ²
Georgia	(³)	(³)	(³)	(³)
Hawaii	(¹)	(¹)	(¹)	(¹)
Idaho	0.20 ²	0.29 ²	-0.36 ²	-0.63 ²
Illinois	0.37 ²	0.69 ²	-0.74 ²	-0.69 ²
Indiana	0.51 ²	0.67 ²	-0.53 ²	-0.57 ²
Iowa	0.27 ²	0.46 ²	-0.37 ²	-0.41 ²
Kansas	-0.03	0.35 ²	-0.50 ²	-0.55 ²
Kentucky	(³)	(³)	(³)	(³)
Louisiana	-0.24	0.20	-0.43 ²	-0.57 ²
Maine	-0.13 ²	0.20 ²	-0.29 ²	-0.51 ²
Maryland	0.61 ²	0.85 ²	-0.81 ²	-0.80 ²
Massachusetts	0.49 ²	0.78 ²	-0.69 ²	-0.61 ²
Michigan	0.48 ²	0.30 ²	0.09 ²	0.05
Minnesota	0.30 ²	0.50 ²	-0.53 ²	-0.58 ²
Mississippi	(³)	(³)	(³)	(³)
Missouri	0.63 ²	0.67 ²	-0.51 ²	-0.45 ²
Montana	0.15 ²	0.19 ²	-0.21 ²	-0.45 ²
Nebraska	0.21 ²	0.17 ²	-0.09 ²	-0.13 ²
Nevada	-0.51 ²	-0.24	-0.39	-0.61 ²
New Hampshire	-0.28 ²	0.34 ²	-0.43 ²	-0.57 ²
New Jersey	(³)	(³)	(³)	(³)
New Mexico	(³)	(³)	(³)	(³)
New York	-0.03	0.28 ²	-0.58 ²	-0.64 ²
North Carolina	0.10	0.47 ²	-0.58 ²	-0.47 ²
North Dakota	0.21 ²	0.24 ²	-0.25 ²	-0.37 ²
Ohio	0.46 ²	0.69 ²	-0.63 ²	-0.62 ²
Oklahoma	(³)	(³)	(³)	(³)
Oregon	0.21 ²	0.35 ²	-0.34 ²	-0.46 ²
Pennsylvania	0.27 ²	0.74 ²	-0.79 ²	-0.78 ²
Rhode Island	0.70 ²	0.78 ²	-0.85 ²	-0.71 ²
South Carolina	0.33 ²	0.27 ²	-0.27 ²	-0.49 ²
South Dakota	(³)	(³)	(³)	(³)
Tennessee	-0.31 ²	0.19 ²	-0.43 ²	-0.51 ²
Texas	-0.11 ²	0.50 ²	-0.55 ²	-0.61 ²
Utah	0.15	0.28	-0.32 ²	-0.53 ²
Vermont	-0.06	0.22 ²	-0.23 ²	-0.44 ²
Virginia	0.19 ²	0.64 ²	-0.82 ²	-0.87 ²
Washington	0.15 ²	0.39 ²	-0.35 ²	-0.33 ²
West Virginia	-0.24	0.41 ²	-0.50 ²	-0.41 ²
Wisconsin	0.41 ²	0.58 ²	-0.61 ²	-0.70 ²
Wyoming	0.26	0.57 ²	-0.73 ²	-0.44 ²

¹No state-level correlation analysis was possible for the District of Columbia or Hawaii since they only have one district.

²Figure is statistically significant at the 0.05 level or better.

³Nine other states (Arkansas, Colorado, Georgia, Kentucky, Mississippi, New Jersey, New Mexico, Oklahoma, and South Dakota) were excluded from state-level correlation analysis because more than 50 percent of the school districts in the state were missing Census data.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Common Core of Data, "School District Financial Survey (Form F-33): School Year 1997–98" and U.S. Department of Commerce, Bureau of the Census, 1990 Decennial Census, "School District Data Book."

Table A-11. Correlation between state revenues per pupil and selected school district fiscal and demographic characteristics (cost-adjusted dollars), by state: 1997–98

State	Minority enrollment	School-age children in poverty	Median household income	Median value owner-occupied housing
United States	0.10 ²	0.35 ²	-0.44 ²	-0.30 ²
Alabama	0.08	0.41 ²	-0.61 ²	-0.63 ²
Alaska	0.63 ²	0.62 ²	-0.58 ²	-0.64 ²
Arizona	0.37 ²	0.41 ²	-0.40 ²	-0.46 ²
Arkansas	(³)	(³)	(³)	(³)
California	0.33 ²	0.51 ²	-0.51 ²	-0.44 ²
Colorado	(³)	(³)	(³)	(³)
Connecticut	0.58 ²	0.74 ²	-0.78 ²	-0.54 ²
Delaware	-0.02	0.38	-0.58 ²	-0.60 ²
District of Columbia	(¹)	(¹)	(¹)	(¹)
Florida	0.23	0.52 ²	-0.53 ²	-0.64 ²
Georgia	(³)	(³)	(³)	(³)
Hawaii	(¹)	(¹)	(¹)	(¹)
Idaho	0.19 ²	0.30 ²	-0.42 ²	-0.66 ²
Illinois	0.19 ²	0.59 ²	-0.73 ²	-0.72 ²
Indiana	0.26 ²	0.60 ²	-0.64 ²	-0.72 ²
Iowa	-0.01	0.46 ²	-0.54 ²	-0.63 ²
Kansas	-0.15 ²	0.35 ²	-0.56 ²	-0.63 ²
Kentucky	(³)	(³)	(³)	(³)
Louisiana	-0.31 ²	0.19	-0.48 ²	-0.72 ²
Maine	-0.16 ²	0.25 ²	-0.36 ²	-0.58 ²
Maryland	0.54 ²	0.82 ²	-0.84 ²	-0.83 ²
Massachusetts	0.46 ²	0.76 ²	-0.69 ²	-0.63 ²
Michigan	0.41 ²	0.38 ²	-0.15 ²	-0.17 ²
Minnesota	0.11 ²	0.45 ²	-0.65 ²	-0.74 ²
Mississippi	(³)	(³)	(³)	(³)
Missouri	0.48 ²	0.69 ²	-0.62 ²	-0.58 ²
Montana	0.13 ²	0.19 ²	-0.21 ²	-0.51 ²
Nebraska	0.07	0.22 ²	-0.24 ²	-0.33 ²
Nevada	-0.47	-0.20	-0.43	-0.63 ²
New Hampshire	-0.29 ²	0.36 ²	-0.45 ²	-0.60 ²
New Jersey	(³)	(³)	(³)	(³)
New Mexico	(³)	(³)	(³)	(³)
New York	-0.16 ²	0.20 ²	-0.58 ²	-0.72 ²
North Carolina	0.12	0.53 ²	-0.69 ²	-0.59 ²
North Dakota	0.19 ²	0.30 ²	-0.35 ²	-0.54 ²
Ohio	0.32 ²	0.64 ²	-0.63 ²	-0.64 ²
Oklahoma	(³)	(³)	(³)	(³)
Oregon	0.14	0.38 ²	-0.40 ²	-0.50 ²
Pennsylvania	0.17 ²	0.68 ²	-0.79 ²	-0.78 ²
Rhode Island	0.67 ²	0.75 ²	-0.83 ²	-0.70 ²
South Carolina	0.41 ²	0.40 ²	-0.43 ²	-0.61 ²
South Dakota	(³)	(³)	(³)	(³)
Tennessee	-0.35 ²	0.21 ²	-0.50 ²	-0.59 ²
Texas	-0.15 ²	0.48 ²	-0.57 ²	-0.63 ²
Utah	0.11	0.30	-0.37 ²	-0.54 ²
Vermont	-0.07	0.23 ²	-0.25 ²	-0.45 ²
Virginia	0.11	0.62 ²	-0.84 ²	-0.89 ²
Washington	0.02	0.47 ²	-0.51 ²	-0.53 ²
West Virginia	-0.28 ²	0.44 ²	-0.54 ²	-0.46 ²
Wisconsin	0.24 ²	0.50 ²	-0.65 ²	-0.76 ²
Wyoming	0.25	0.58 ²	-0.74 ²	-0.45 ²

¹No state-level correlation analysis was possible for the District of Columbia or Hawaii since they only have one district.

²Figure is statistically significant at the 0.05 level or better.

³Nine other states (Arkansas, Colorado, Georgia, Kentucky, Mississippi, New Jersey, New Mexico, Oklahoma, and South Dakota) were excluded from state-level correlation analysis because more than 50 percent of the school districts in the state were missing Census data.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Common Core of Data, "School District Financial Survey (Form F-33): School Year 1997–98" and U.S. Department of Commerce, Bureau of the Census, 1990 Decennial Census, "School District Data Book."

Appendix A: Supplementary Tables

Table A-12. Correlation between General Formula Assistance revenues per pupil and selected school district fiscal and demographic characteristics (unadjusted dollars), by state: 1997–98

State	Minority enrollment	School-age children in poverty	Median household income	Median value owner-occupied housing
United States	0.07 ²	0.29 ²	-0.34 ²	-0.28 ²
Alabama	0.03	0.22 ²	-0.38 ²	-0.38 ²
Alaska	0.70 ²	0.76 ²	-0.70 ²	-0.74 ²
Arizona	0.33 ²	0.36 ²	-0.33 ²	-0.42 ²
Arkansas	(³)	(³)	(³)	(³)
California	0.23 ²	0.38 ²	-0.42 ²	-0.49 ²
Colorado	(³)	(³)	(³)	(³)
Connecticut	0.60 ²	0.76 ²	-0.77 ²	-0.54 ²
Delaware	0.06	0.49	-0.68 ²	-0.67 ²
District of Columbia	(¹)	(¹)	(¹)	(¹)
Florida	0.24 ²	0.42 ²	-0.44 ²	-0.65 ²
Georgia	(³)	(³)	(³)	(³)
Hawaii	(¹)	(¹)	(¹)	(¹)
Idaho	0.23 ²	0.28 ²	-0.31 ²	-0.65 ²
Illinois	0.21 ²	0.58 ²	-0.70 ²	-0.71 ²
Indiana	0.48 ²	0.68 ²	-0.56 ²	-0.64 ²
Iowa	0.28 ²	0.44 ²	-0.35 ²	-0.39 ²
Kansas	-0.19 ²	0.24 ²	-0.43 ²	-0.55 ²
Kentucky	(³)	(³)	(³)	(³)
Louisiana	-0.24	0.20	-0.44 ²	-0.57 ²
Maine	-0.12	0.24 ²	-0.31 ²	-0.53 ²
Maryland	0.38	0.62 ²	-0.76 ²	-0.84 ²
Massachusetts	0.43 ²	0.74 ²	-0.69 ²	-0.65 ²
Michigan	0.26 ²	0.10 ²	0.18 ²	0.11 ²
Minnesota	-0.03	0.19 ²	-0.35 ²	-0.51 ²
Mississippi	(³)	(³)	(³)	(³)
Missouri	0.30 ²	0.50 ²	-0.55 ²	-0.59 ²
Montana	0.23 ²	0.24 ²	-0.27 ²	-0.32 ²
Nebraska	0.18 ²	0.12 ²	-0.04	-0.11 ²
Nevada	-0.51 ²	-0.23	-0.39	-0.61 ²
New Hampshire	-0.24 ²	0.29 ²	-0.37 ²	-0.55 ²
New Jersey	(³)	(³)	(³)	(³)
New Mexico	(³)	(³)	(³)	(³)
New York	-0.04	0.26 ²	-0.53 ²	-0.62 ²
North Carolina	0.04	0.48 ²	-0.65 ²	-0.54 ²
North Dakota	0.41 ²	0.42 ²	-0.33 ²	-0.32 ²
Ohio	0.35 ²	0.52 ²	-0.53 ²	-0.56 ²
Oklahoma	(³)	(³)	(³)	(³)
Oregon	0.07	0.20 ²	-0.20 ²	-0.33 ²
Pennsylvania	0.40 ²	0.81 ²	-0.81 ²	-0.81 ²
Rhode Island	0.69 ²	0.77 ²	-0.85 ²	-0.72 ²
South Carolina	-0.03	-0.04	-0.03	-0.38 ²
South Dakota	(³)	(³)	(³)	(³)
Tennessee	-0.29 ²	0.17 ²	-0.40 ²	-0.48 ²
Texas	-0.12 ²	0.49 ²	-0.54 ²	-0.61 ²
Utah	-0.17	-0.15	0.07	-0.31 ²
Vermont	-0.09	0.23 ²	-0.25 ²	-0.48 ²
Virginia	0.12	0.55 ²	-0.78 ²	-0.87 ²
Washington	-0.06	-0.01	0.00	-0.02
West Virginia	-0.19	0.70 ²	-0.73 ²	-0.72 ²
Wisconsin	0.24 ²	0.47 ²	-0.61 ²	-0.74 ²
Wyoming	0.34 ²	0.64 ²	-0.77 ²	-0.47 ²

¹No state-level correlation analysis was possible for the District of Columbia or Hawaii since they only have one district.

²Figure is statistically significant at the 0.05 level or better.

³Nine other states (Arkansas, Colorado, Georgia, Kentucky, Mississippi, New Jersey, New Mexico, Oklahoma, and South Dakota) were excluded from state-level correlation analysis because more than 50 percent of the school districts in the state were missing Census data.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Common Core of Data, "School District Financial Survey (Form F-33): School Year 1997–98" and U.S. Department of Commerce, Bureau of the Census, 1990 Decennial Census, "School District Data Book."

Table A-13. Correlation between General Formula Assistance revenues per pupil and selected school district fiscal and demographic characteristics (cost-adjusted dollars), by state: 1997–98

State	Minority enrollment	School-age children in poverty	Median household income	Median value owner-occupied housing
United States	0.00	0.31 ²	-0.43 ²	-0.40 ²
Alabama	0.02	0.35 ²	-0.57 ²	-0.56 ²
Alaska	0.66 ²	0.72 ²	-0.69 ²	-0.68 ²
Arizona	0.35 ²	0.40 ²	-0.38 ²	-0.44 ²
Arkansas	(³)	(³)	(³)	(³)
California	0.17 ²	0.41 ²	-0.47 ²	-0.56 ²
Colorado	(³)	(³)	(³)	(³)
Connecticut	0.56 ²	0.72 ²	-0.76 ²	-0.54 ²
Delaware	0.00	0.59 ²	-0.82 ²	-0.73 ²
District of Columbia	(¹)	(¹)	(¹)	(¹)
Florida	0.18	0.44 ²	-0.50 ²	-0.74 ²
Georgia	(³)	(³)	(³)	(³)
Hawaii	(¹)	(¹)	(¹)	(¹)
Idaho	0.22 ²	0.30 ²	-0.37 ²	-0.68 ²
Illinois	0.08 ²	0.50 ²	-0.68 ²	-0.71 ²
Indiana	0.25 ²	0.59 ²	-0.63 ²	-0.73 ²
Iowa	0.00	0.45 ²	-0.53 ²	-0.62 ²
Kansas	-0.27 ²	0.25 ²	-0.48 ²	-0.60 ²
Kentucky	(³)	(³)	(³)	(³)
Louisiana	-0.31 ²	0.19	-0.48 ²	-0.71 ²
Maine	-0.15 ²	0.27 ²	-0.35 ²	-0.58 ²
Maryland	0.31	0.59 ²	-0.77 ²	-0.84 ²
Massachusetts	0.41 ²	0.73 ²	-0.69 ²	-0.66 ²
Michigan	0.13 ²	0.15 ²	-0.06	-0.12 ²
Minnesota	-0.14 ²	0.19 ²	-0.47 ²	-0.65 ²
Mississippi	(³)	(³)	(³)	(³)
Missouri	0.15 ²	0.50 ²	-0.61 ²	-0.67 ²
Montana	0.20 ²	0.24 ²	-0.27 ²	-0.42 ²
Nebraska	0.08 ²	0.16 ²	-0.17 ²	-0.26 ²
Nevada	-0.48	-0.20	-0.42	-0.63 ²
New Hampshire	-0.24 ²	0.31 ²	-0.38 ²	-0.56 ²
New Jersey	(³)	(³)	(³)	(³)
New Mexico	(³)	(³)	(³)	(³)
New York	-0.16 ²	0.19 ²	-0.54 ²	-0.70 ²
North Carolina	0.08	0.56 ²	-0.77 ²	-0.68 ²
North Dakota	0.33 ²	0.47 ²	-0.47 ²	-0.60 ²
Ohio	0.20 ²	0.47 ²	-0.54 ²	-0.59 ²
Oklahoma	(³)	(³)	(³)	(³)
Oregon	0.03	0.26 ²	-0.28 ²	-0.39 ²
Pennsylvania	0.32 ²	0.76 ²	-0.81 ²	-0.81 ²
Rhode Island	0.66 ²	0.75 ²	-0.83 ²	-0.71 ²
South Carolina	0.05	0.07	-0.15	-0.48 ²
South Dakota	(³)	(³)	(³)	(³)
Tennessee	-0.34 ²	0.19 ²	-0.48 ²	-0.57 ²
Texas	-0.15 ²	0.48 ²	-0.56 ²	-0.62 ²
Utah	-0.16	-0.06	-0.04	-0.37 ²
Vermont	-0.09	0.23 ²	-0.26 ²	-0.49 ²
Virginia	0.05	0.54 ²	-0.80 ²	-0.89 ²
Washington	-0.14 ²	0.24 ²	-0.33 ²	-0.39 ²
West Virginia	-0.26	0.72 ²	-0.77 ²	-0.76 ²
Wisconsin	0.10 ²	0.39 ²	-0.63 ²	-0.77 ²
Wyoming	0.32 ²	0.65 ²	-0.78 ²	-0.48 ²

¹No state-level correlation analysis was possible for the District of Columbia or Hawaii since they only have one district.

²Figure is statistically significant at the 0.05 level or better.

³Nine other states (Arkansas, Colorado, Georgia, Kentucky, Mississippi, New Jersey, New Mexico, Oklahoma, and South Dakota) were excluded from state-level correlation analysis because more than 50 percent of the school districts in the state were missing Census data.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Common Core of Data, "School District Financial Survey (Form F-33): School Year 1997–98" and U.S. Department of Commerce, Bureau of the Census, 1990 Decennial Census, "School District Data Book."

Appendix A: Supplementary Tables

Table A-14. Correlation between state instructional program revenues per pupil and selected school district fiscal and demographic characteristics (unadjusted dollars), by state: 1997–98

State	Minority enrollment	School-age children in poverty	Median household income	Median value owner-occupied housing
United States	0.20 ²	0.09 ²	-0.09 ²	0.00
Alabama	0.76 ²	0.81 ²	-0.63 ²	-0.54 ²
Alaska	—	—	—	—
Arizona	0.27 ²	0.36 ²	-0.42 ²	-0.35 ²
Arkansas	(³)	(³)	(³)	(³)
California	0.28 ²	0.16 ²	-0.03	0.15 ²
Colorado	(³)	(³)	(³)	(³)
Connecticut	0.68 ²	0.82 ²	-0.82 ²	-0.51 ²
Delaware	0.03	-0.35	0.35	0.15
District of Columbia	(¹)	(¹)	(¹)	(¹)
Florida	0.42 ²	0.47 ²	-0.43 ²	-0.45 ²
Georgia	(³)	(³)	(³)	(³)
Hawaii	(¹)	(¹)	(¹)	(¹)
Idaho	0.13	0.24 ²	-0.18	-0.24 ²
Illinois	0.86 ²	0.72 ²	-0.30 ²	0.08
Indiana	0.12 ²	0.31 ²	-0.35 ²	-0.32 ²
Iowa	0.25 ²	0.32 ²	-0.19 ²	-0.13 ²
Kansas	0.35 ²	0.19 ²	-0.08	0.07
Kentucky	(³)	(³)	(³)	(³)
Louisiana	0.69 ²	0.50 ²	-0.29 ²	0.21
Maine	—	—	—	—
Maryland	0.75 ²	0.95 ²	-0.71 ²	-0.63 ²
Massachusetts	0.02	0.05	-0.04	-0.05
Michigan	0.67 ²	0.64 ²	-0.40 ²	-0.37 ²
Minnesota	0.69 ²	0.69 ²	-0.41 ²	-0.22 ²
Mississippi	(³)	(³)	(³)	(³)
Missouri	0.02	0.16 ²	-0.30 ²	-0.25 ²
Montana	-0.22	-0.20	-0.03	-0.48 ²
Nebraska	0.30 ²	0.04	0.09	0.33 ²
Nevada	-0.79 ²	-0.62 ²	-0.10	0.07
New Hampshire	-0.07	0.04	-0.02	0.04
New Jersey	(³)	(³)	(³)	(³)
New Mexico	(³)	(³)	(³)	(³)
New York	—	—	—	—
North Carolina	0.06	0.46 ²	-0.62 ²	-0.53 ²
North Dakota	-0.02	-0.09	0.10	0.36 ²
Ohio	0.31 ²	0.46 ²	-0.38 ²	-0.34 ²
Oklahoma	(³)	(³)	(³)	(³)
Oregon	-0.05	0.06	-0.08	-0.01
Pennsylvania	0.16 ²	0.34 ²	-0.33 ²	-0.30 ²
Rhode Island	—	—	—	—
South Carolina	0.50 ²	0.55 ²	-0.63 ²	-0.70 ²
South Dakota	(³)	(³)	(³)	(³)
Tennessee	-0.16	-0.03	-0.13	-0.14
Texas	—	—	—	—
Utah	0.44 ²	0.70 ²	-0.67 ²	-0.52 ²
Vermont	-0.20	0.35 ²	-0.47 ²	-0.53 ²
Virginia	0.35 ²	0.76 ²	-0.79 ²	-0.71 ²
Washington	0.48 ²	0.60 ²	-0.54 ²	-0.39 ²
West Virginia	—	—	—	—
Wisconsin	0.41 ²	0.34 ²	-0.07	0.04
Wyoming	0.48 ²	0.07	-0.04	-0.11

—Not available.

¹No state-level correlation analysis was possible for the District of Columbia or Hawaii since they only have one district.

²Figure is statistically significant at the 0.05 level or better.

³Nine other states (Arkansas, Colorado, Georgia, Kentucky, Mississippi, New Jersey, New Mexico, Oklahoma, and South Dakota) were excluded from state-level correlation analysis because more than 50 percent of the school districts in the state were missing Census data.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Common Core of Data, "School District Financial Survey (Form F-33): School Year 1997–98" and U.S. Department of Commerce, Bureau of the Census, 1990 Decennial Census, "School District Data Book."

Table A-15. Correlation between state instructional program revenues per pupil and selected school district fiscal and demographic characteristics (cost-adjusted dollars), by state: 1997–98

State	Minority enrollment	School-age children in poverty	Median household income	Median value owner-occupied housing
United States	0.18 ²	0.09 ²	-0.13 ²	-0.04 ²
Alabama	0.74 ²	0.82 ²	-0.66 ²	-0.57 ²
Alaska	—	—	—	—
Arizona	0.29 ²	0.38 ²	-0.45 ²	-0.37 ²
Arkansas	(³)	(³)	(³)	(³)
California	0.27 ²	0.21 ²	-0.09	0.08
Colorado	(³)	(³)	(³)	(³)
Connecticut	0.64 ²	0.80 ²	-0.81 ²	-0.52 ²
Delaware	0.01	-0.30	0.26	0.08
District of Columbia	(¹)	(¹)	(¹)	(¹)
Florida	0.36 ²	0.50 ²	-0.52 ²	-0.58 ²
Georgia	(³)	(³)	(³)	(³)
Hawaii	(¹)	(¹)	(¹)	(¹)
Idaho	0.12	0.24 ²	-0.19	-0.25 ²
Illinois	0.81 ²	0.73 ²	-0.38 ²	-0.02
Indiana	0.04	0.28 ²	-0.38 ²	-0.35 ²
Iowa	0.21 ²	0.31 ²	-0.19 ²	-0.15 ²
Kansas	0.30 ²	0.20 ²	-0.11	0.03
Kentucky	(³)	(³)	(³)	(³)
Louisiana	0.65 ²	0.50 ²	-0.31 ²	0.15
Maine	—	—	—	—
Maryland	0.75 ²	0.95 ²	-0.73 ²	-0.65 ²
Massachusetts	0.02	0.05	-0.05	-0.06
Michigan	0.67 ²	0.67 ²	-0.45 ²	-0.42 ²
Minnesota	0.63 ²	0.71 ²	-0.51 ²	-0.34 ²
Mississippi	(³)	(³)	(³)	(³)
Missouri	-0.05	0.17 ²	-0.35 ²	-0.32 ²
Montana	-0.22	-0.19	-0.03	-0.51 ²
Nebraska	0.17 ²	0.11	-0.10	0.09
Nevada	-0.73 ²	-0.56 ²	-0.17	0.01
New Hampshire	-0.07	0.04	-0.02	0.03
New Jersey	(³)	(³)	(³)	(³)
New Mexico	(³)	(³)	(³)	(³)
New York	—	—	—	—
North Carolina	0.09	0.53 ²	-0.72 ²	-0.63 ²
North Dakota	-0.02	-0.06	0.05	0.28 ²
Ohio	0.27 ²	0.46 ²	-0.39 ²	-0.36 ²
Oklahoma	(³)	(³)	(³)	(³)
Oregon	-0.05	0.05	-0.07	-0.01
Pennsylvania	0.02	0.42 ²	-0.56 ²	-0.54 ²
Rhode Island	—	—	—	—
South Carolina	0.51 ²	0.58 ²	-0.67 ²	-0.72 ²
South Dakota	(³)	(³)	(³)	(³)
Tennessee	-0.17	-0.02	-0.14	-0.15
Texas	—	—	—	—
Utah	0.39 ²	0.69 ²	-0.68 ²	-0.56 ²
Vermont	-0.24	0.34 ²	-0.51 ²	-0.58 ²
Virginia	0.28 ²	0.75 ²	-0.81 ²	-0.74 ²
Washington	0.35 ²	0.66 ²	-0.63 ²	-0.53 ²
West Virginia	—	—	—	—
Wisconsin	0.30 ²	0.32 ²	-0.19 ²	-0.11 ²
Wyoming	0.45 ²	0.11	-0.09	-0.15

—Not available.

¹No state-level correlation analysis was possible for the District of Columbia or Hawaii since they only have one district.

²Figure is statistically significant at the 0.05 level or better.

³Nine other states (Arkansas, Colorado, Georgia, Kentucky, Mississippi, New Jersey, New Mexico, Oklahoma, and South Dakota) were excluded from state-level correlation analysis because more than 50 percent of the school districts in the state were missing Census data.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Common Core of Data, "School District Financial Survey (Form F-33): School Year 1997–98" and U.S. Department of Commerce, Bureau of the Census, 1990 Decennial Census, "School District Data Book."

Appendix A: Supplementary Tables

Table A-16. Correlation between percent state revenues and selected school district fiscal and demographic characteristics, by state: 1997–98

State	Minority enrollment	School-age children in poverty	Median household income	Median value owner-occupied housing
United States	0.12 ²	0.34 ²	-0.43 ²	-0.24 ²
Alabama	0.14	0.33 ²	-0.53 ²	-0.62 ²
Alaska	-0.30 ²	0.04	-0.25	-0.21
Arizona	0.04	0.13	-0.18 ²	-0.25 ²
Arkansas	(³)	(³)	(³)	(³)
California	0.26 ²	0.39 ²	-0.42 ²	-0.44 ²
Colorado	(³)	(³)	(³)	(³)
Connecticut	0.55 ²	0.70 ²	-0.78 ²	-0.56 ²
Delaware	-0.28	0.52 ²	-0.67 ²	-0.74 ²
District of Columbia	(¹)	(¹)	(¹)	(¹)
Florida	0.20	0.41 ²	-0.46 ²	-0.69 ²
Georgia	(³)	(³)	(³)	(³)
Hawaii	(¹)	(¹)	(¹)	(¹)
Idaho	0.12	0.23 ²	-0.26 ²	-0.56 ²
Illinois	0.17 ²	0.53 ²	-0.70 ²	-0.72 ²
Indiana	0.07	0.36 ²	-0.44 ²	-0.58 ²
Iowa	0.15 ²	0.42 ²	-0.38 ²	-0.42 ²
Kansas	0.01	0.32 ²	-0.49 ²	-0.56 ²
Kentucky	(³)	(³)	(³)	(³)
Louisiana	-0.16	0.31 ²	-0.59 ²	-0.65 ²
Maine	-0.14 ²	0.17 ²	-0.27 ²	-0.52 ²
Maryland	0.48 ²	0.76 ²	-0.83 ²	-0.86 ²
Massachusetts	0.28 ²	0.62 ²	-0.64 ²	-0.66 ²
Michigan	0.15 ²	0.25 ²	-0.29 ²	-0.43 ²
Minnesota	-0.13 ²	0.16 ²	-0.41 ²	-0.59 ²
Mississippi	(³)	(³)	(³)	(³)
Missouri	0.20 ²	0.53 ²	-0.64 ²	-0.67 ²
Montana	-0.37 ²	-0.25 ²	0.12 ²	0.00
Nebraska	0.18 ²	0.07	0.01	-0.02
Nevada	-0.60 ²	-0.33	-0.29	-0.53 ²
New Hampshire	-0.25 ²	0.35 ²	-0.44 ²	-0.60 ²
New Jersey	(³)	(³)	(³)	(³)
New Mexico	(³)	(³)	(³)	(³)
New York	0.09 ²	0.42 ²	-0.72 ²	-0.64 ²
North Carolina	0.06	0.44 ²	-0.69 ²	-0.78 ²
North Dakota	-0.18 ²	-0.16 ²	0.06	-0.16 ²
Ohio	0.12 ²	0.51 ²	-0.62 ²	-0.70 ²
Oklahoma	(³)	(³)	(³)	(³)
Oregon	-0.12	0.19 ²	-0.26 ²	-0.41 ²
Pennsylvania	0.21 ²	0.67 ²	-0.79 ²	-0.79 ²
Rhode Island	0.61 ²	0.71 ²	-0.81 ²	-0.72 ²
South Carolina	0.03	0.12	-0.20	-0.48 ²
South Dakota	(³)	(³)	(³)	(³)
Tennessee	-0.44 ²	-0.03	-0.30 ²	-0.43 ²
Texas	-0.10 ²	0.46 ²	-0.51 ²	-0.60 ²
Utah	-0.39 ²	-0.40 ²	0.26	-0.17
Vermont	-0.08	0.26 ²	-0.27 ²	-0.51 ²
Virginia	0.08	0.53 ²	-0.79 ²	-0.87 ²
Washington	-0.20 ²	0.29 ²	-0.41 ²	-0.66 ²
West Virginia	-0.36 ²	0.48 ²	-0.59 ²	-0.50 ²
Wisconsin	0.23 ²	0.43 ²	-0.57 ²	-0.71 ²
Wyoming	0.08	0.41 ²	-0.69 ²	-0.39 ²

¹No state-level correlation analysis was possible for the District of Columbia or Hawaii since they only have one district.

²Figure is statistically significant at the 0.05 level or better.

³Nine other states (Arkansas, Colorado, Georgia, Kentucky, Mississippi, New Jersey, New Mexico, Oklahoma, and South Dakota) were excluded from state-level correlation analysis because more than 50 percent of the school districts in the state were missing Census data.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Common Core of Data, "School District Financial Survey (Form F-33): School Year 1997–98" and U.S. Department of Commerce, Bureau of the Census, 1990 Decennial Census, "School District Data Book."

Table A-17. Correlation between state and local revenues combined per pupil and selected school district fiscal and demographic characteristics (unadjusted dollars), by state: 1997–98

State	Minority enrollment	School-age children in poverty	Median household income	Median value owner-occupied housing
United States	-0.04 ²	-0.22 ²	0.39 ²	0.32 ²
Alabama	-0.32 ²	-0.45 ²	0.55 ²	0.59 ²
Alaska	0.57 ²	0.32 ²	-0.14	-0.43 ²
Arizona	-0.09	-0.10	0.16 ²	0.20 ²
Arkansas	(³)	(³)	(³)	(³)
California	0.15 ²	0.02	0.04	0.17 ²
Colorado	(³)	(³)	(³)	(³)
Connecticut	0.09	0.09	0.20 ²	0.03
Delaware	0.26	-0.46	0.45	0.44
District of Columbia	(¹)	(¹)	(¹)	(¹)
Florida	0.06	-0.05	0.28 ²	0.68 ²
Georgia	(³)	(³)	(³)	(³)
Hawaii	(¹)	(¹)	(¹)	(¹)
Idaho	-0.10	-0.10	0.08	0.23 ²
Illinois	-0.07 ²	-0.30 ²	0.47 ²	0.56 ²
Indiana	0.37 ²	0.10	0.16 ²	0.31 ²
Iowa	0.08	-0.07	0.12 ²	0.10
Kansas	-0.20 ²	-0.06	0.10	0.11
Kentucky	(³)	(³)	(³)	(³)
Louisiana	-0.22	-0.49 ²	0.65 ²	0.45 ²
Maine	0.06	-0.06	0.08	0.16 ²
Maryland	-0.12	-0.38	0.69 ²	0.82 ²
Massachusetts	0.56 ²	0.34 ²	-0.07	0.27 ²
Michigan	0.06	-0.21 ²	0.54 ²	0.62 ²
Minnesota	0.45 ²	0.29 ²	0.00	0.16 ²
Mississippi	(³)	(³)	(³)	(³)
Missouri	0.60 ²	0.27 ²	0.09 ²	0.18 ²
Montana	-0.07	-0.01	-0.02	-0.25 ²
Nebraska	-0.30 ²	-0.01	-0.11 ²	-0.24 ²
Nevada	-0.11	0.02	-0.32	-0.60 ²
New Hampshire	-0.16 ²	-0.17 ²	0.12	0.28 ²
New Jersey	(³)	(³)	(³)	(³)
New Mexico	(³)	(³)	(³)	(³)
New York	-0.44 ²	-0.59 ²	0.68 ²	0.29 ²
North Carolina	-0.11	-0.15	0.24 ²	0.42 ²
North Dakota	-0.28 ²	-0.10	0.03	-0.18 ²
Ohio	0.38 ²	0.02	0.25 ²	0.43 ²
Oklahoma	(³)	(³)	(³)	(³)
Oregon	0.34 ²	0.02	0.10	0.12
Pennsylvania	-0.17 ²	-0.41 ²	0.60 ²	0.64 ²
Rhode Island	-0.12	-0.16	0.19	0.28
South Carolina	0.05	-0.14	0.23 ²	0.34 ²
South Dakota	(³)	(³)	(³)	(³)
Tennessee	0.34 ²	0.15	0.10	0.26 ²
Texas	-0.19 ²	-0.08 ²	0.09 ²	0.11 ²
Utah	0.31	0.43 ²	-0.34 ²	0.00
Vermont	-0.04	-0.09	0.12	0.18 ²
Virginia	0.05	-0.28 ²	0.59 ²	0.78 ²
Washington	0.12 ²	-0.15 ²	0.27 ²	0.45 ²
West Virginia	-0.01	-0.04	0.00	0.02
Wisconsin	0.02	-0.08	0.27 ²	0.38 ²
Wyoming	0.00	0.08	-0.03	-0.07

¹No state-level correlation analysis was possible for the District of Columbia or Hawaii since they only have one district.

²Figure is statistically significant at the 0.05 level or better.

³Nine other states (Arkansas, Colorado, Georgia, Kentucky, Mississippi, New Jersey, New Mexico, Oklahoma, and South Dakota) were excluded from state-level correlation analysis because more than 50 percent of the school districts in the state were missing Census data.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Common Core of Data, "School District Financial Survey (Form F-33): School Year 1997–98" and U.S. Department of Commerce, Bureau of the Census, 1990 Decennial Census, "School District Data Book."

Appendix A: Supplementary Tables

Table A-18. Correlation between state and local revenues combined per pupil and selected school district fiscal and demographic characteristics (cost-adjusted dollars), by state: 1997–98

State	Minority enrollment	School-age children in poverty	Median household income	Median value owner-occupied housing
United States	-0.16 ²	-0.16 ²	0.17 ²	0.03 ²
Alabama	-0.33 ²	-0.35 ²	0.38 ²	0.44 ²
Alaska	0.55 ²	0.32 ²	-0.19	-0.40 ²
Arizona	-0.03	0.00	0.03	0.09
Arkansas	(³)	(³)	(³)	(³)
California	0.05	0.16 ²	-0.16 ²	-0.09 ²
Colorado	(³)	(³)	(³)	(³)
Connecticut	-0.05	-0.01	0.16 ²	-0.02
Delaware	0.24	-0.22	0.08	0.17
District of Columbia	(¹)	(¹)	(¹)	(¹)
Florida	-0.08	0.09	-0.02	0.30 ²
Georgia	(³)	(³)	(³)	(³)
Hawaii	(¹)	(¹)	(¹)	(¹)
Idaho	-0.07	-0.03	-0.05	0.06
Illinois	-0.20 ²	-0.29 ²	0.34 ²	0.41 ²
Indiana	0.09	0.04	-0.01	0.10
Iowa	-0.23 ²	0.02	-0.20 ²	-0.28 ²
Kansas	-0.30 ²	0.05	-0.14 ²	-0.17 ²
Kentucky	(³)	(³)	(³)	(³)
Louisiana	-0.37 ²	-0.45 ²	0.47 ²	0.12
Maine	-0.03	0.06	-0.10	-0.06
Maryland	-0.22	-0.42 ²	0.64 ²	0.78 ²
Massachusetts	0.51 ²	0.33 ²	-0.13 ²	0.18 ²
Michigan	-0.02	-0.20 ²	0.43 ²	0.55 ²
Minnesota	0.25 ²	0.35 ²	-0.32 ²	-0.23 ²
Mississippi	(³)	(³)	(³)	(³)
Missouri	0.49 ²	0.42 ²	-0.18 ²	-0.12 ²
Montana	-0.07	0.01	-0.04	-0.33 ²
Nebraska	-0.40 ²	0.07	-0.30 ²	-0.48 ²
Nevada	-0.01	0.13	-0.39	-0.62 ²
New Hampshire	-0.24 ²	-0.07	-0.03	0.12
New Jersey	(³)	(³)	(³)	(³)
New Mexico	(³)	(³)	(³)	(³)
New York	-0.63 ²	-0.64 ²	0.51 ²	-0.01
North Carolina	-0.08	0.08	-0.09	0.10
North Dakota	-0.24 ²	0.00	-0.10	-0.37 ²
Ohio	0.25 ²	0.00	0.22 ²	0.37 ²
Oklahoma	(³)	(³)	(³)	(³)
Oregon	0.24 ²	0.13	-0.07	-0.03
Pennsylvania	-0.31 ²	-0.35 ²	0.39 ²	0.43 ²
Rhode Island	-0.26	-0.30	0.32	0.40 ²
South Carolina	0.16	0.00	0.06	0.19
South Dakota	(³)	(³)	(³)	(³)
Tennessee	0.16	0.26 ²	-0.18 ²	-0.05
Texas	-0.22 ²	0.00	-0.06	-0.06
Utah	0.24	0.44 ²	-0.39 ²	-0.11
Vermont	-0.09	-0.06	0.05	0.11
Virginia	-0.02	-0.19 ²	0.41 ²	0.58 ²
Washington	0.00	0.12 ²	-0.10	0.02
West Virginia	-0.11	0.08	-0.15	-0.13
Wisconsin	-0.23 ²	-0.11 ²	-0.03	0.02
Wyoming	-0.02	0.11	-0.08	-0.12

¹No state-level correlation analysis was possible for the District of Columbia or Hawaii since they only have one district.

²Figure is statistically significant at the 0.05 level or better.

³Nine other states (Arkansas, Colorado, Georgia, Kentucky, Mississippi, New Jersey, New Mexico, Oklahoma, and South Dakota) were excluded from state-level correlation analysis because more than 50 percent of the school districts in the state were missing Census data.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Common Core of Data, "School District Financial Survey (Form F-33): School Year 1997–98" and U.S. Department of Commerce, Bureau of the Census, 1990 Decennial Census, "School District Data Book."

Table A-19. Correlation between federal revenues per pupil and selected school district fiscal and demographic characteristics (unadjusted dollars), by state: 1997–98

State	Minority enrollment	School-age children in poverty	Median household income	Median value owner-occupied housing
United States	0.56 ²	0.66 ²	-0.46 ²	-0.15 ²
Alabama	0.71 ²	0.84 ²	-0.65 ²	-0.55 ²
Alaska	0.88 ²	0.80 ²	-0.68 ²	-0.64 ²
Arizona	0.78 ²	0.68 ²	-0.57 ²	-0.62 ²
Arkansas	(³)	(³)	(³)	(³)
California	0.54 ²	0.68 ²	-0.58 ²	-0.24 ²
Colorado	(³)	(³)	(³)	(³)
Connecticut	0.92 ²	0.97 ²	-0.72 ²	-0.36 ²
Delaware	0.18	0.33	-0.34	-0.36
District of Columbia	(¹)	(¹)	(¹)	(¹)
Florida	0.54 ²	0.78 ²	-0.40 ²	-0.15
Georgia	(³)	(³)	(³)	(³)
Hawaii	(¹)	(¹)	(¹)	(¹)
Idaho	0.63 ²	0.38 ²	-0.46 ²	-0.41 ²
Illinois	0.84 ²	0.89 ²	-0.59 ²	-0.35 ²
Indiana	0.66 ²	0.80 ²	-0.58 ²	-0.49 ²
Iowa	0.51 ²	0.73 ²	-0.58 ²	-0.52 ²
Kansas	0.37 ²	0.25 ²	-0.23 ²	-0.27 ²
Kentucky	(³)	(³)	(³)	(³)
Louisiana	0.61 ²	0.77 ²	-0.72 ²	-0.36 ²
Maine	-0.02	0.21 ²	-0.27 ²	-0.21 ²
Maryland	0.67 ²	0.97 ²	-0.81 ²	-0.71 ²
Massachusetts	0.79 ²	0.92 ²	-0.71 ²	-0.44 ²
Michigan	0.78 ²	0.87 ²	-0.67 ²	-0.63 ²
Minnesota	0.20 ²	0.24 ²	-0.19 ²	-0.15 ²
Mississippi	(³)	(³)	(³)	(³)
Missouri	0.58 ²	0.67 ²	-0.55 ²	-0.41 ²
Montana	0.85 ²	0.66 ²	-0.43 ²	-0.31 ²
Nebraska	0.68 ²	0.34 ²	-0.13 ²	0.08 ²
Nevada	0.09	0.00	-0.48	-0.52 ²
New Hampshire	0.42 ²	0.53 ²	-0.47 ²	-0.38 ²
New Jersey	(³)	(³)	(³)	(³)
New Mexico	(³)	(³)	(³)	(³)
New York	0.81 ²	0.92 ²	-0.64 ²	0.04
North Carolina	0.67 ²	0.85 ²	-0.72 ²	-0.59 ²
North Dakota	0.73 ²	0.58 ²	-0.38 ²	-0.10
Ohio	0.75 ²	0.90 ²	-0.71 ²	-0.57 ²
Oklahoma	(³)	(³)	(³)	(³)
Oregon	0.51 ²	0.74 ²	-0.64 ²	-0.54 ²
Pennsylvania	0.79 ²	0.93 ²	-0.65 ²	-0.59 ²
Rhode Island	0.93 ²	0.96 ²	-0.87 ²	-0.55 ²
South Carolina	0.87 ²	0.92 ²	-0.83 ²	-0.51 ²
South Dakota	(³)	(³)	(³)	(³)
Tennessee	0.47 ²	0.83 ²	-0.72 ²	-0.61 ²
Texas	0.40 ²	0.70 ²	-0.66 ²	-0.52 ²
Utah	0.87 ²	0.78 ²	-0.59 ²	-0.46 ²
Vermont	0.28 ²	0.43 ²	-0.34 ²	-0.08
Virginia	0.66 ²	0.86 ²	-0.62 ²	-0.42 ²
Washington	0.62 ²	0.64 ²	-0.55 ²	-0.35 ²
West Virginia	0.03	0.75 ²	-0.74 ²	-0.56 ²
Wisconsin	0.77 ²	0.79 ²	-0.46 ²	-0.30 ²
Wyoming	0.94 ²	0.68 ²	-0.29 ²	-0.17

¹No state-level correlation analysis was possible for the District of Columbia or Hawaii since they only have one district.

²Figure is statistically significant at the 0.05 level or better.

³Nine other states (Arkansas, Colorado, Georgia, Kentucky, Mississippi, New Jersey, New Mexico, Oklahoma, and South Dakota) were excluded from state-level correlation analysis because more than 50 percent of the school districts in the state were missing Census data.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Common Core of Data, "School District Financial Survey (Form F-33): School Year 1997–98" and U.S. Department of Commerce, Bureau of the Census, 1990 Decennial Census, "School District Data Book."

Appendix A: Supplementary Tables

Table A-20. Correlation between federal revenues per pupil and selected school district fiscal and demographic characteristics (cost-adjusted dollars), by state: 1997–98

State	Minority enrollment	School-age children in poverty	Median household income	Median value owner-occupied housing
United States	0.49 ²	0.65 ²	-0.50 ²	-0.23 ²
Alabama	0.68 ²	0.83 ²	-0.67 ²	-0.57 ²
Alaska	0.85 ²	0.78 ²	-0.68 ²	-0.62 ²
Arizona	0.78 ²	0.67 ²	-0.56 ²	-0.62 ²
Arkansas	(³)	(³)	(³)	(³)
California	0.49 ²	0.68 ²	-0.60 ²	-0.29 ²
Colorado	(³)	(³)	(³)	(³)
Connecticut	0.91 ²	0.97 ²	-0.73 ²	-0.37 ²
Delaware	0.17	0.35	-0.38	-0.38
District of Columbia	(¹)	(¹)	(¹)	(¹)
Florida	0.47 ²	0.81 ²	-0.51 ²	-0.32 ²
Georgia	(³)	(³)	(³)	(³)
Hawaii	(¹)	(¹)	(¹)	(¹)
Idaho	0.62 ²	0.38 ²	-0.47 ²	-0.43 ²
Illinois	0.79 ²	0.90 ²	-0.63 ²	-0.40 ²
Indiana	0.59 ²	0.78 ²	-0.60 ²	-0.52 ²
Iowa	0.39 ²	0.73 ²	-0.64 ²	-0.60 ²
Kansas	0.35 ²	0.27 ²	-0.27 ²	-0.30 ²
Kentucky	(³)	(³)	(³)	(³)
Louisiana	0.49 ²	0.75 ²	-0.76 ²	-0.51 ²
Maine	-0.03	0.21 ²	-0.27 ²	-0.22 ²
Maryland	0.64 ²	0.97 ²	-0.84 ²	-0.74 ²
Massachusetts	0.77 ²	0.92 ²	-0.73 ²	-0.46 ²
Michigan	0.73 ²	0.84 ²	-0.67 ²	-0.62 ²
Minnesota	0.17 ²	0.22 ²	-0.20 ²	-0.16 ²
Mississippi	(³)	(³)	(³)	(³)
Missouri	0.47 ²	0.67 ²	-0.60 ²	-0.48 ²
Montana	0.84 ²	0.65 ²	-0.42 ²	-0.32 ²
Nebraska	0.65 ²	0.37 ²	-0.17 ²	0.03
Nevada	0.11	0.03	-0.49 ²	-0.53 ²
New Hampshire	0.33 ²	0.55 ²	-0.50 ²	-0.43 ²
New Jersey	(³)	(³)	(³)	(³)
New Mexico	(³)	(³)	(³)	(³)
New York	0.74 ²	0.90 ²	-0.68 ²	-0.04
North Carolina	0.65 ²	0.86 ²	-0.75 ²	-0.63 ²
North Dakota	0.70 ²	0.55 ²	-0.37 ²	-0.12
Ohio	0.70 ²	0.90 ²	-0.73 ²	-0.59 ²
Oklahoma	(³)	(³)	(³)	(³)
Oregon	0.47 ²	0.74 ²	-0.65 ²	-0.55 ²
Pennsylvania	0.76 ²	0.93 ²	-0.67 ²	-0.61 ²
Rhode Island	0.92 ²	0.96 ²	-0.86 ²	-0.54 ²
South Carolina	0.86 ²	0.92 ²	-0.84 ²	-0.54 ²
South Dakota	(³)	(³)	(³)	(³)
Tennessee	0.36 ²	0.80 ²	-0.76 ²	-0.67 ²
Texas	0.35 ²	0.69 ²	-0.67 ²	-0.54 ²
Utah	0.85 ²	0.78 ²	-0.60 ²	-0.48 ²
Vermont	0.25 ²	0.44 ²	-0.36 ²	-0.10
Virginia	0.60 ²	0.88 ²	-0.69 ²	-0.51 ²
Washington	0.57 ²	0.65 ²	-0.56 ²	-0.38 ²
West Virginia	-0.01	0.79 ²	-0.78 ²	-0.60 ²
Wisconsin	0.71 ²	0.75 ²	-0.47 ²	-0.31 ²
Wyoming	0.93 ²	0.68 ²	-0.29 ²	-0.17

¹No state-level correlation analysis was possible for the District of Columbia or Hawaii since they only have one district.

²Figure is statistically significant at the 0.05 level or better.

³Nine other states (Arkansas, Colorado, Georgia, Kentucky, Mississippi, New Jersey, New Mexico, Oklahoma, and South Dakota) were excluded from state-level correlation analysis because more than 50 percent of the school districts in the state were missing Census data.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Common Core of Data, "School District Financial Survey (Form F-33): School Year 1997–98" and U.S. Department of Commerce, Bureau of the Census, 1990 Decennial Census, "School District Data Book."

Table A-21. Correlation between Title I revenues per pupil and selected school district fiscal and demographic characteristics (unadjusted dollars), by state: 1997–98

State	Minority enrollment	School-age children in poverty	Median household income	Median value owner-occupied housing
United States	0.63 ²	0.85 ²	-0.57 ²	-0.18 ²
Alabama	0.77 ²	0.92 ²	-0.70 ²	-0.57 ²
Alaska	0.74 ²	0.77 ²	-0.70 ²	-0.64 ²
Arizona	0.73 ²	0.81 ²	-0.73 ²	-0.68 ²
Arkansas	(³)	(³)	(³)	(³)
California	0.64 ²	0.75 ²	-0.61 ²	-0.25 ²
Colorado	(³)	(³)	(³)	(³)
Connecticut	0.91 ²	0.99 ²	-0.68 ²	-0.33 ²
Delaware	0.72 ²	0.63 ²	-0.40	-0.47
District of Columbia	(¹)	(¹)	(¹)	(¹)
Florida	0.57 ²	0.90 ²	-0.51 ²	-0.23
Georgia	(³)	(³)	(³)	(³)
Hawaii	(¹)	(¹)	(¹)	(¹)
Idaho	0.60 ²	0.57 ²	-0.67 ²	-0.64 ²
Illinois	0.83 ²	0.97 ²	-0.65 ²	-0.41 ²
Indiana	0.76 ²	0.94 ²	-0.65 ²	-0.58 ²
Iowa	0.37 ²	0.74 ²	-0.59 ²	-0.57 ²
Kansas	0.37 ²	0.64 ²	-0.55 ²	-0.45 ²
Kentucky	(³)	(³)	(³)	(³)
Louisiana	0.73 ²	0.92 ²	-0.78 ²	-0.34 ²
Maine	-0.02	0.54 ²	-0.58 ²	-0.50 ²
Maryland	0.63 ²	0.99 ²	-0.81 ²	-0.72 ²
Massachusetts	0.80 ²	0.95 ²	-0.73 ²	-0.46 ²
Michigan	0.88 ²	0.96 ²	-0.73 ²	-0.68 ²
Minnesota	0.65 ²	0.90 ²	-0.70 ²	-0.54 ²
Mississippi	(³)	(³)	(³)	(³)
Missouri	0.61 ²	0.79 ²	-0.61 ²	-0.51 ²
Montana	0.39 ²	0.52 ²	-0.36 ²	-0.23 ²
Nebraska	0.61 ²	0.62 ²	-0.45 ²	-0.30 ²
Nevada	0.76 ²	0.84 ²	-0.54 ²	-0.39
New Hampshire	0.35 ²	0.53 ²	-0.37 ²	-0.32 ²
New Jersey	(³)	(³)	(³)	(³)
New Mexico	(³)	(³)	(³)	(³)
New York	0.88 ²	0.98 ²	-0.62 ²	0.13 ²
North Carolina	0.69 ²	0.89 ²	-0.69 ²	-0.55 ²
North Dakota	0.64 ²	0.69 ²	-0.60 ²	-0.43 ²
Ohio	0.77 ²	0.96 ²	-0.75 ²	-0.60 ²
Oklahoma	(³)	(³)	(³)	(³)
Oregon	0.55 ²	0.70 ²	-0.52 ²	-0.48 ²
Pennsylvania	0.69 ²	0.90 ²	-0.65 ²	-0.58 ²
Rhode Island	0.96 ²	0.93 ²	-0.79 ²	-0.54 ²
South Carolina	0.89 ²	0.96 ²	-0.81 ²	-0.45 ²
South Dakota	(³)	(³)	(³)	(³)
Tennessee	0.60 ²	0.85 ²	-0.65 ²	-0.53 ²
Texas	0.42 ²	0.86 ²	-0.70 ²	-0.53 ²
Utah	0.81 ²	0.92 ²	-0.79 ²	-0.58 ²
Vermont	0.30 ²	0.37 ²	-0.18 ²	0.05
Virginia	0.58 ²	0.96 ²	-0.73 ²	-0.54 ²
Washington	0.58 ²	0.74 ²	-0.59 ²	-0.40 ²
West Virginia	0.14	0.86 ²	-0.78 ²	-0.75 ²
Wisconsin	0.91 ²	0.97 ²	-0.59 ²	-0.42 ²
Wyoming	0.68 ²	0.81 ²	-0.52 ²	-0.42 ²

¹No state-level correlation analysis was possible for the District of Columbia or Hawaii since they only have one district.

²Figure is statistically significant at the 0.05 level or better.

³Nine other states (Arkansas, Colorado, Georgia, Kentucky, Mississippi, New Jersey, New Mexico, Oklahoma, and South Dakota) were excluded from state-level correlation analysis because more than 50 percent of the school districts in the state were missing Census data.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Common Core of Data, "School District Financial Survey (Form F-33): School Year 1997–98" and U.S. Department of Commerce, Bureau of the Census, 1990 Decennial Census, "School District Data Book."

Appendix A: Supplementary Tables

Table A-22. Correlation between Title I revenues per pupil and selected school district fiscal and demographic characteristics (cost-adjusted dollars), by state: 1997–98

State	Minority enrollment	School-age children in poverty	Median household income	Median value owner-occupied housing
United States	0.58 ²	0.87 ²	-0.63 ²	-0.27 ²
Alabama	0.74 ²	0.92 ²	-0.71 ²	-0.58 ²
Alaska	0.72 ²	0.76 ²	-0.70 ²	-0.63 ²
Arizona	0.73 ²	0.80 ²	-0.73 ²	-0.68 ²
Arkansas	(³)	(³)	(³)	(³)
California	0.60 ²	0.77 ²	-0.64 ²	-0.29 ²
Colorado	(³)	(³)	(³)	(³)
Connecticut	0.90 ²	0.98 ²	-0.69 ²	-0.33 ²
Delaware	0.68 ²	0.68 ²	-0.48	-0.52 ²
District of Columbia	(¹)	(¹)	(¹)	(¹)
Florida	0.52 ²	0.92 ²	-0.58 ²	-0.36 ²
Georgia	(³)	(³)	(³)	(³)
Hawaii	(¹)	(¹)	(¹)	(¹)
Idaho	0.58 ²	0.57 ²	-0.67 ²	-0.66 ²
Illinois	0.78 ²	0.97 ²	-0.68 ²	-0.46 ²
Indiana	0.70 ²	0.93 ²	-0.67 ²	-0.61 ²
Iowa	0.28 ²	0.73 ²	-0.62 ²	-0.62 ²
Kansas	0.30 ²	0.64 ²	-0.57 ²	-0.48 ²
Kentucky	(³)	(³)	(³)	(³)
Louisiana	0.64 ²	0.91 ²	-0.82 ²	-0.47 ²
Maine	-0.04	0.52 ²	-0.58 ²	-0.52 ²
Maryland	0.61 ²	0.99 ²	-0.83 ²	-0.74 ²
Massachusetts	0.80 ²	0.95 ²	-0.74 ²	-0.47 ²
Michigan	0.85 ²	0.96 ²	-0.75 ²	-0.70 ²
Minnesota	0.54 ²	0.86 ²	-0.74 ²	-0.61 ²
Mississippi	(³)	(³)	(³)	(³)
Missouri	0.49 ²	0.79 ²	-0.66 ²	-0.57 ²
Montana	0.37 ²	0.51 ²	-0.36 ²	-0.26 ²
Nebraska	0.54 ²	0.62 ²	-0.48 ²	-0.36 ²
Nevada	0.75 ²	0.83 ²	-0.56 ²	-0.41
New Hampshire	0.28 ²	0.52 ²	-0.36 ²	-0.33 ²
New Jersey	(³)	(³)	(³)	(³)
New Mexico	(³)	(³)	(³)	(³)
New York	0.85 ²	0.98 ²	-0.66 ²	0.07
North Carolina	0.67 ²	0.90 ²	-0.72 ²	-0.58 ²
North Dakota	0.61 ²	0.68 ²	-0.60 ²	-0.46 ²
Ohio	0.72 ²	0.97 ²	-0.77 ²	-0.63 ²
Oklahoma	(³)	(³)	(³)	(³)
Oregon	0.52 ²	0.70 ²	-0.53 ²	-0.49 ²
Pennsylvania	0.65 ²	0.90 ²	-0.67 ²	-0.60 ²
Rhode Island	0.96 ^{* 2}	0.93 ²	-0.79 ²	-0.54 ²
South Carolina	0.88 ²	0.96 ²	-0.82 ²	-0.47 ²
South Dakota	(³)	(³)	(³)	(³)
Tennessee	0.52 ²	0.86 ²	-0.70 ²	-0.59 ²
Texas	0.38 ²	0.85 ²	-0.71 ²	-0.55 ²
Utah	0.79 ²	0.92 ²	-0.80 ²	-0.60 ²
Vermont	0.29 ²	0.37 ²	-0.18 ²	0.04
Virginia	0.52 ²	0.95 ²	-0.75 ²	-0.57 ²
Washington	0.54 ²	0.75 ²	-0.61 ²	-0.42 ²
West Virginia	0.11	0.87 ²	-0.80 ²	-0.76 ²
Wisconsin	0.87 ²	0.97 ²	-0.63 ²	-0.47 ²
Wyoming	0.67 ²	0.82 ²	-0.54 ²	-0.43 ²

¹No state-level correlation analysis was possible for the District of Columbia or Hawaii since they only have one district.

²Figure is statistically significant at the 0.05 level or better.

³Nine other states (Arkansas, Colorado, Georgia, Kentucky, Mississippi, New Jersey, New Mexico, Oklahoma, and South Dakota) were excluded from state-level correlation analysis because more than 50 percent of the school districts in the state were missing Census data.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Common Core of Data, "School District Financial Survey (Form F-33): School Year 1997–98" and U.S. Department of Commerce, Bureau of the Census, 1990 Decennial Census, "School District Data Book."

Table A-23. Correlation between percent federal revenues and selected school district fiscal and demographic characteristics, by state: 1997–98

State	Minority enrollment	School-age children in poverty	Median household income	Median value owner-occupied housing
United States	0.58 ²	0.76 ²	-0.59 ²	-0.24 ²
Alabama	0.72 ²	0.85 ²	-0.67 ²	-0.58 ²
Alaska	0.85 ²	0.79 ²	-0.69 ²	-0.58 ²
Arizona	0.81 ²	0.72 ²	-0.64 ²	-0.69 ²
Arkansas	(³)	(³)	(³)	(³)
California	0.52 ²	0.70 ²	-0.62 ²	-0.30 ²
Colorado	(³)	(³)	(³)	(³)
Connecticut	0.91 ²	0.96 ²	-0.74 ²	-0.37 ²
Delaware	0.20	0.46	-0.45	-0.46
District of Columbia	(¹)	(¹)	(¹)	(¹)
Florida	0.51 ²	0.81 ²	-0.53 ²	-0.44 ²
Georgia	(³)	(³)	(³)	(³)
Hawaii	(¹)	(¹)	(¹)	(¹)
Idaho	0.63 ²	0.43 ²	-0.53 ²	-0.49 ²
Illinois	0.80 ²	0.90 ²	-0.64 ²	-0.42 ²
Indiana	0.60 ²	0.80 ²	-0.62 ²	-0.55 ²
Iowa	0.49 ²	0.75 ²	-0.60 ²	-0.54 ²
Kansas	0.43 ²	0.28 ²	-0.25 ²	-0.26 ²
Kentucky	(³)	(³)	(³)	(³)
Louisiana	0.56 ²	0.80 ²	-0.81 ²	-0.46 ²
Maine	-0.03	0.42 ²	-0.51 ²	-0.45 ²
Maryland	0.65 ²	0.98 ²	-0.87 ²	-0.79 ²
Massachusetts	0.63 ²	0.87 ²	-0.75 ²	-0.55 ²
Michigan	0.78 ²	0.91 ²	-0.76 ²	-0.71 ²
Minnesota	0.32 ²	0.43 ²	-0.36 ²	-0.29 ²
Mississippi	(³)	(³)	(³)	(³)
Missouri	0.30 ²	0.57 ²	-0.60 ²	-0.49 ²
Montana	0.89 ²	0.69 ²	-0.45 ²	-0.28 ²
Nebraska	0.71 ²	0.32 ²	-0.13 ²	0.12 ²
Nevada	0.14	0.01	-0.42	-0.40
New Hampshire	0.41 ²	0.53 ²	-0.45 ²	-0.40 ²
New Jersey	(³)	(³)	(³)	(³)
New Mexico	(³)	(³)	(³)	(³)
New York	0.85 ²	0.95 ²	-0.66 ²	0.07
North Carolina	0.68 ²	0.84 ²	-0.73 ²	-0.66 ²
North Dakota	0.92 ²	0.72 ²	-0.51 ²	-0.11
Ohio	0.63 ²	0.90 ²	-0.77 ²	-0.65 ²
Oklahoma	(³)	(³)	(³)	(³)
Oregon	0.36 ²	0.73 ²	-0.65 ²	-0.55 ²
Pennsylvania	0.78 ²	0.92 ²	-0.66 ²	-0.61 ²
Rhode Island	0.92 ²	0.96 ²	-0.89 ²	-0.59 ²
South Carolina	0.79 ²	0.90 ²	-0.83 ²	-0.56 ²
South Dakota	(³)	(³)	(³)	(³)
Tennessee	0.33 ²	0.79 ²	-0.79 ²	-0.73 ²
Texas	0.49 ²	0.75 ²	-0.71 ²	-0.54 ²
Utah	0.84 ²	0.81 ²	-0.65 ²	-0.53 ²
Vermont	0.30 ²	0.45 ²	-0.34 ²	-0.07
Virginia	0.56 ²	0.85 ²	-0.72 ²	-0.58 ²
Washington	0.61 ²	0.70 ²	-0.62 ²	-0.44 ²
West Virginia	0.00	0.74 ²	-0.73 ²	-0.56 ²
Wisconsin	0.87 ²	0.91 ²	-0.56 ²	-0.39 ²
Wyoming	0.93 ²	0.70 ²	-0.33 ²	-0.21

¹No state-level correlation analysis was possible for the District of Columbia or Hawaii since they only have one district.

²Figure is statistically significant at the 0.05 level or better.

³Nine other states (Arkansas, Colorado, Georgia, Kentucky, Mississippi, New Jersey, New Mexico, Oklahoma, and South Dakota) were excluded from state-level correlation analysis because more than 50 percent of the school districts in the state were missing Census data.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Common Core of Data, "School District Financial Survey (Form F-33): School Year 1997–98" and U.S. Department of Commerce, Bureau of the Census, 1990 Decennial Census, "School District Data Book."

Appendix A: Supplementary Tables

Table A-24. Correlation between total revenues per pupil and selected school district fiscal and demographic characteristics (unadjusted dollars), by state: 1997–98

State	Minority enrollment	School-age children in poverty	Median household income	Median value owner-occupied housing
United States	0.08 ²	-0.08 ²	0.30 ²	0.29 ²
Alabama	-0.13	-0.23 ²	0.39 ²	0.48 ²
Alaska	0.80 ²	0.58 ²	-0.41 ²	-0.58 ²
Arizona	0.50 ²	0.41 ²	-0.28 ²	-0.29 ²
Arkansas	(³)	(³)	(³)	(³)
California	0.29 ²	0.20 ²	-0.12 ²	0.10 ²
Colorado	(³)	(³)	(³)	(³)
Connecticut	0.33 ²	0.34 ²	0.00	-0.06
Delaware	0.31	-0.28	0.26	0.24
District of Columbia	(¹)	(¹)	(¹)	(¹)
Florida	0.16	0.10	0.19	0.62 ²
Georgia	(³)	(³)	(³)	(³)
Hawaii	(¹)	(¹)	(¹)	(¹)
Idaho	0.07	0.00	-0.04	0.11
Illinois	0.08 ²	-0.15 ²	0.38 ²	0.52 ²
Indiana	0.49 ²	0.28 ²	0.01	0.16 ²
Iowa	0.16 ²	0.05	0.02	0.01
Kansas	-0.08	0.02	0.03	0.03
Kentucky	(³)	(³)	(³)	(³)
Louisiana	-0.06	-0.31 ²	0.50 ²	0.38 ²
Maine	0.05	0.03	-0.03	0.07
Maryland	0.03	-0.18	0.54 ²	0.70 ²
Massachusetts	0.64 ²	0.45 ²	-0.17 ²	0.19 ²
Michigan	0.23 ²	-0.02	0.39 ²	0.49 ²
Minnesota	0.47 ²	0.35 ²	-0.09	0.06
Mississippi	(³)	(³)	(³)	(³)
Missouri	0.68 ²	0.38 ²	-0.02	0.09 ²
Montana	0.41 ²	0.35 ²	-0.26 ²	-0.39 ²
Nebraska	-0.03	0.13 ²	-0.16 ²	-0.20 ²
Nevada	-0.09	0.02	-0.37	-0.64 ²
New Hampshire	-0.12	-0.12	0.07	0.25 ²
New Jersey	(³)	(³)	(³)	(³)
New Mexico	(³)	(³)	(³)	(³)
New York	-0.34 ²	-0.48 ²	0.62 ²	0.32 ²
North Carolina	0.04	0.05	0.07	0.28 ²
North Dakota	0.34 ²	0.36 ²	-0.26 ²	-0.21 ²
Ohio	0.52 ²	0.20 ²	0.09 ²	0.29 ²
Oklahoma	(³)	(³)	(³)	(³)
Oregon	0.44 ²	0.18 ²	-0.05	0.00
Pennsylvania	0.02	-0.21 ²	0.48 ²	0.53 ²
Rhode Island	0.24	0.21	-0.15	0.06
South Carolina	0.28 ²	0.10	0.01	0.21
South Dakota	(³)	(³)	(³)	(³)
Tennessee	0.42 ²	0.34 ²	-0.08	0.09
Texas	-0.10 ²	0.07 ²	-0.05	-0.01
Utah	0.51 ²	0.58 ²	-0.45 ²	-0.14
Vermont	-0.02	-0.06	0.09	0.18 ²
Virginia	0.15	-0.16	0.51 ²	0.73 ²
Washington	0.35 ²	0.10	0.05	0.30 ²
West Virginia	0.00	0.14	-0.18	-0.11
Wisconsin	0.34 ²	0.25 ²	0.06	0.22 ²
Wyoming	0.44 ²	0.38 ²	-0.16	-0.14

¹No state-level correlation analysis was possible for the District of Columbia or Hawaii since they only have one district.

²Figure is statistically significant at the 0.05 level or better.

³Nine other states (Arkansas, Colorado, Georgia, Kentucky, Mississippi, New Jersey, New Mexico, Oklahoma, and South Dakota) were excluded from state-level correlation analysis because more than 50 percent of the school districts in the state were missing Census data.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Common Core of Data, "School District Financial Survey (Form F-33): School Year 1997–98" and U.S. Department of Commerce, Bureau of the Census, 1990 Decennial Census, "School District Data Book."

Table A-25. Correlation between total revenues per pupil and selected school district fiscal and demographic characteristics (cost-adjusted dollars), by state: 1997–98

State	Minority enrollment	School-age children in poverty	Median household income	Median value owner-occupied housing
United States	-0.04 ²	0.00	0.05 ²	-0.03 ²
Alabama	-0.12	-0.08	0.17	0.27 ²
Alaska	0.79 ²	0.60 ²	-0.46 ²	-0.57 ²
Arizona	0.51 ²	0.46 ²	-0.36 ²	-0.35 ²
Arkansas	(³)	(³)	(³)	(³)
California	0.17 ²	0.32 ²	-0.30 ²	-0.16 ²
Colorado	(³)	(³)	(³)	(³)
Connecticut	0.17 ²	0.23 ²	-0.02	-0.11
Delaware	0.27	-0.03	-0.10	-0.03
District of Columbia	(¹)	(¹)	(¹)	(¹)
Florida	0.03	0.26 ²	-0.12	0.20
Georgia	(³)	(³)	(³)	(³)
Hawaii	(¹)	(¹)	(¹)	(¹)
Idaho	0.09	0.06	-0.17	-0.05
Illinois	-0.05	-0.13 ²	0.24 ²	0.34 ²
Indiana	0.24 ²	0.24 ²	-0.17 ²	-0.05
Iowa	-0.17 ²	0.12 ²	-0.28 ²	-0.35 ²
Kansas	-0.21 ²	0.12 ²	-0.21 ²	-0.25 ²
Kentucky	(³)	(³)	(³)	(³)
Louisiana	-0.24	-0.25 ²	0.27 ²	-0.02
Maine	-0.04	0.12	-0.19 ²	-0.14 ²
Maryland	-0.07	-0.20	0.46 ²	0.64 ²
Massachusetts	0.59 ²	0.44 ²	-0.23 ²	0.10
Michigan	0.18 ²	0.03	0.24 ²	0.38 ²
Minnesota	0.29 ²	0.39 ²	-0.35 ²	-0.27 ²
Mississippi	(³)	(³)	(³)	(³)
Missouri	0.56 ²	0.53 ²	-0.30 ²	-0.22 ²
Montana	0.36 ²	0.33 ²	-0.25 ²	-0.45 ²
Nebraska	-0.21 ²	0.18 ²	-0.35 ²	-0.48 ²
Nevada	0.01	0.12	-0.43	-0.65 ²
New Hampshire	-0.21 ²	-0.02	-0.07	0.08
New Jersey	(³)	(³)	(³)	(³)
New Mexico	(³)	(³)	(³)	(³)
New York	-0.55 ²	-0.54 ²	0.43 ²	-0.02
North Carolina	0.08	0.28 ²	-0.26 ²	-0.05
North Dakota	0.31 ²	0.39 ²	-0.34 ²	-0.36 ²
Ohio	0.41 ²	0.21 ²	0.04	0.22 ²
Oklahoma	(³)	(³)	(³)	(³)
Oregon	0.32 ²	0.28 ²	-0.20 ²	-0.14 ²
Pennsylvania	-0.10 ²	-0.09	0.21 ²	0.27 ²
Rhode Island	0.02	-0.01	0.06	0.24
South Carolina	0.40 ²	0.26 ²	-0.18	0.02
South Dakota	(³)	(³)	(³)	(³)
Tennessee	0.24 ²	0.45 ²	-0.37 ²	-0.23 ²
Texas	-0.15 ²	0.12 ²	-0.18 ²	-0.15 ²
Utah	0.44 ²	0.58 ²	-0.49 ²	-0.22
Vermont	-0.07	-0.03	0.02	0.11
Virginia	0.09	-0.03	0.29 ²	0.50 ²
Washington	0.20 ²	0.34 ²	-0.29 ²	-0.12 ²
West Virginia	-0.11	0.25	-0.32 ²	-0.26
Wisconsin	0.06	0.19 ²	-0.21 ²	-0.11 ²
Wyoming	0.40 ²	0.40 ²	-0.20	-0.18

¹No state-level correlation analysis was possible for the District of Columbia or Hawaii since they only have one district.

²Figure is statistically significant at the 0.05 level or better.

³Nine other states (Arkansas, Colorado, Georgia, Kentucky, Mississippi, New Jersey, New Mexico, Oklahoma, and South Dakota) were excluded from state-level correlation analysis because more than 50 percent of the school districts in the state were missing Census data.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Common Core of Data, "School District Financial Survey (Form F-33): School Year 1997–98" and U.S. Department of Commerce, Bureau of the Census, 1990 Decennial Census, "School District Data Book."

Appendix B: Technical Notes

Data Sources

The data in this report are based on three sources:

1. 1998 Survey of Local Government Finances, commonly known as the F-33: This source provided the financial information for school districts. This data collection effort was jointly conducted by the NCES and the U.S. Bureau of the Census (Governments Division) for all public school districts in the country. These data permit the assessment of education revenue and expenditures within states, as well as across the nation. It is part of the Common Core of Data (CCD) collection of surveys and administrative-records data relating to public elementary and secondary education. These data were collected from state education agencies over the Spring and Summer of 2000.
2. 1990 Census School District Special Tabulation, commonly known as the Census Mapping (CM) file: This source provided information on district and community characteristics.
3. The 1993–94 Cost of Education Indices, downloaded from <http://nces.ed.gov/edfin/prodsurv/data.asp>. The file contains only the NCES AGENCY ID and CEI across geographic locations.

Taken together, these three data files were intended to include data on all public school districts. However, the CM file was missing a number of districts in certain states, and the CCD and F-33 data files contained missing information for some data fields. To account for this, some missing or deficient data was imputed, or “filled in,” as described below in Data Modifications and Imputation Procedures. In states where a large proportion (50 percent or greater) of the districts were missing CM data, all analyses dependent upon these data were excluded from the report. (This occurred in Arkansas, Colorado, Georgia, Kentucky, Mississippi, New Jersey, New Mexico, Oklahoma, and South Dakota.)

Variables used in this analysis and variable descriptions are listed below by source.

Survey of Local Government Finances (F-33)

TOTALREV	Total General Revenues (sum of TFEDREV, TSTREV, TLOCREV)
TFEDREV	Total Revenue from Federal Sources
C14	Federal Revenues—Federal Chapter 1 Revenue
C15	Federal Revenues—Children with disabilities
TSTREV	Total Revenue from State Sources
C01	State Revenues—General formula assistance
C04	State Revenues—Staff improvement programs
C05	State Revenues—Special education programs
C06	State Revenues—Compensatory and basic skills programs
C07	State Revenues—Bilingual education programs
C08	State Revenues—Gifted and talented programs
C09	State Revenues—Vocational education programs
TLOCREV	Total Revenue from Local Sources
T06	Local Revenues—Property taxes
A07	Local Revenues—Tuition fees from pupils and parents
A08	Local Revenues—Transportation fees from pupils and parents
A09	Local Revenues—School lunch revenues
A11	Local Revenues—Textbook sales and rentals

A13	Local Revenues—Student activity receipts
A15	Local Revenues—Student fees, non-specified
A20	Local Revenues—Other sales and service revenues

Census School District Special Tabulation (Census Mapping)

Median Income- All Households	Median income—all households in district
Median Value Housing Units-All	Median value housing unit—all in district
% Non-White Children	Percent of non-white children in the district
% Children Below Poverty Level	Percent of children below poverty level in the district

These data was imported into SAS from Excel.

Cost of Education Indices

GCEI Geographic Cost of Education Index. The GCEI uses data from three separate categories of school inputs: certified school personnel, non-certified school personnel, and non-personnel school items. The index reflects how much more or less it costs in different geographic locations to recruit and employ comparable school personnel as well as the varying costs of non-personnel items such as purchased services, supplies and materials, furnishings and equipment, travel, utilities, and facilities.

Construction of Key Revenue Categories

The revenue categories to which the reader is referred in the text and tables in this report were constructed from F-33 variables as shown below:

Total Revenue

Total revenue can be broken down as follows:

Local plus state plus federal revenues = total revenue

Local Revenues

T06, A07, A08, A09, A11, A13, A15, and A20	as described above, plus
C24	NCES local, Census state revenue
T09	General sales
T15	Public utility taxes
T40	Individual and corporate income taxes
T99	All other taxes
T02	Parent government contributions
D23	Revenue from cities and counties
D11	Revenue from other school systems
U22	Interest earnings
U97	Miscellaneous other local revenues

State Revenues

C01, C04, C05, C06, C07, C08, and C09	as described above, plus
C12	Transportation programs
C11	Capital outlay and debt service programs
C10	School lunch programs
C13	All other revenues from state sources
C38	State payments for LEA employee benefits
C39	Other state payments (books, buses, etc.)
C35	State revenue, non-specified

Federal Revenues

C14 and C15	as described above, plus
C25	Child Nutrition Act
C16	Eisenhower Math and Science
C17	Drug-free Schools
C18	Chapter 2 Block Grants
C19	Vocational Education
C20	All other federal aid through state
C36	Federal revenue, non-specified
B10	Impact Aid (PL 815 and 874)
B11	Bilingual Education
B12	Native American (Indian) Education
B13	All other direct federal aid

Selection of Observations

Primary Analysis Dataset

The F-33, Census Mapping, and Cost of Education files were merged to create the primary analysis dataset. After merging these files, observations were deleted from the dataset if they had any of the following characteristics:

- Designated as college-grade, vocational or special education, nonoperating, or education service agency (source: F-33 school level code)
- Had zero or missing total revenue and total expenditure (source: F-33 total revenue and total expenditure)
- Had the strings “VOC,” “TECH,” “SPEC ED,” or “AGRIC” in the name of the district (source: F-33 LEA name)

Data Modifications and Imputation Procedures

Taken together, the F-33, Census Mapping, and Cost of Education Index files were intended to include data on all public school districts. However, some data fields in these files contained missing information for some districts, or districts were simply missing from the data file altogether. For example,

GCEI data were missing for several districts, and in nine states over half the districts were missing in the Census mapping file.

Conducting analyses with missing pieces of information would pose several logistical problems. In particular, the analysis dataset would change for each variable or data file investigated. That is, only those district observations with non-missing values for a particular variable could be analyzed, and each variable would be represented by a different set of districts. This type of analysis would pose potential problems with the interpretation of data results, as systematic reasons for missing data might produce or mask revenue patterns. For example, new districts may universally be missing census mapping demographic data because of the timing of census data collection. If these districts were excluded from any given analysis for this reason, the results would obviously be affected by the omission. For these reasons, project staff decided to impute, or “fill-in,” values for missing demographic and cost of education data. Data imputation procedures allow the researcher to run an analysis with a full dataset, with minimal compromising of the original data.

A “nearest neighbor” approach was used in the imputation process. The data were stratified by state so that any recipient always received a value from a donor in that same state. Then the data were sorted by three variables, and “good” (in this case “good” = non-missing) values were supplanted over missing values. A missing value was always replaced by the last good value before it in the sort order.

Simple analysis revealed that all districts that were missing any one of the four census mapping variables were also missing the other three. There were 2,097 districts missing all 4 census mapping variables. Further analysis revealed that all but two districts missing cost of education index data were also missing the census mapping variables. Thus, there were 175 districts missing all 5 pieces of information, 1,922 districts missing only the census mapping variables, and 2 districts missing only the cost of education index variable.

The districts were first sorted by state, a measure of size in descending order (in this case, v33: fall membership in October 1997), a type-of-district code in descending order (schlev: elementary, secondary, or unified district), and finally by a county code (first three digits of the FIPS code). The four census mapping variables were always imputed from the same donor. The cost of education index was occasionally imputed using a donor different from that used for the census mapping variables.

In nine different states, over half the districts were missing demographic census mapping data. These states were Arkansas, Colorado, Georgia, Kentucky, Mississippi, New Jersey, New Mexico, Oklahoma, and South Dakota. Missing data in these states were imputed for use in the national correlation analyses. However, such high imputation rates would have rendered suspicious data in the state-level demographic analyses. Consequently, these states were excluded from state-level analyses using census mapping data.

Revenue data from the F-33 file were not imputed.

Glossary

District type is defined by the level of instruction provided. The categories and distinctions used in this report are

- Elementary—district provides instruction only below 8th grade
- Secondary—district provides instruction between 7th and 12th grades
- Unified—district provides instruction for any other combination of grades

Elementary is a general level of instruction classified by state and local practice as elementary, composed of any span of grades not above grade 8. Preschool or kindergarten is included only if it is an integral part of an elementary school or a regularly established school system.

Enrollment is defined as the count of students on the current roll on or about October 1, 1989.

General formula revenues and **General assistance revenues** are state revenues from general non-categorical state assistance programs such as foundation, minimum or basic formula support, principal apportionment, equalization, flat or block grants, and state public school fund distributions. It also includes state revenue dedicated from major state taxes, such as income and sales taxes.

The **Geographic Cost of Education Index (GCEI)** reflects how much more or less it costs in different geographic locations to recruit and employ comparable school personnel, as well as the varying costs of non-personnel items such as purchased services, supplies and materials, furnishings and equipment, travel, utilities, and facilities. GCEI uses data from three separate categories of school inputs: certified school personnel, non-certified school personnel, and non-personnel school items. The index is established by weighting each component of expenditure by its share of current expenditure during the 1993–94 school year.

Geographic region refers to district location within a region of the country. The regional designators for this analysis are

- **Northeast:** Connecticut, Maine, Massachusetts, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island, and Vermont.
- **Midwest:** Illinois, Indiana, Iowa, Kansas, Michigan, Minnesota, Missouri, Nebraska, North Dakota, Ohio, South Dakota, and Wisconsin.
- **South:** Alabama, Arkansas, Delaware, District of Columbia, Florida, Georgia, Kentucky, Louisiana, Maryland, Mississippi, North Carolina, Oklahoma, South Carolina, Tennessee, Texas, Virginia, and West Virginia.
- **West:** Alaska, Arizona, California, Colorado, Hawaii, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington, and Wyoming.

Instructional program revenues include funds received by the local education agencies from the state for special education, compensatory and basic skills attainment, bilingual education, gifted and talented education, and vocational education.

A **Local Education agency** is a government agency administratively responsible for providing public elementary and/or secondary instruction or education support services.

Median household income is defined as the median income of the householder and all other persons 15 year old and over in the household, whether related to the householder or not, in calendar year 1989.

Median value owner-occupied housing is defined as the median value of specified owner-occupied housing units in a state in 1990.

Percent minority students is defined as the percent of students in a state's public schools who are African American, Hispanic, Asian, American Indian, and Alaskan Native in 1990.

Revenues are defined as increases in the net current assets of a government fund type from other than expenditure refunds and residual equity transfers. These are reported as revenues from local, state, and federal sources.

Revenues from federal sources are direct grants-in-aid from the federal government; federal grants-in-aid through the state or an intermediate agency; and other revenue such as that received in lieu of taxes because the tax base was not subject to taxation.

Revenues from local sources are revenues from a local education agency, including local property and non-property tax revenues, local government, tuition, transportation, food services, student activities, donations, and property rentals.

Revenues from property tax are revenues raised from property taxes, only in those districts with the authority to set their own property tax rates.

Revenues from state sources are revenues from a state government source including those that can be used without restriction, those for categorical purposes, and revenues in lieu of taxation.

Revenues from student fees includes revenues from student transportation fees, school lunch sales, textbook sales and rental fees, fees for student activities, and other student fees.

A **school district** is a geographic area within a state where a public school system operates as a governmental entity with responsibility for operating public schools in that geographic area.

Percent children in poverty is defined as children 5 years of age and living in households with income at or below the poverty level in 1990.

Secondary is defined as the general level of instruction classified by state and local practice as secondary and composed of any span of grades beginning with the next grade following the elementary grades and ending with or below grade 12.

A **student** is an individual for whom instruction is provided in an elementary or secondary education program that is not an adult education program and is under the jurisdiction of a school, school system, or other education institution.

Title I revenues include Federal revenues awarded through Title I of the Elementary-Secondary Education Act (P.L. 89-10), including basic, concentration, and migratory education grants. Federal Title I funding is the largest single federal education program. These revenues provide money to schools systems to improve the teaching and learning of children in high-poverty schools. The purpose of this funding is to supplement existing state and local funds for educational services to provide for the additional needs of economically and educationally disadvantaged children.

A **vocational education district** is defined as a public elementary/secondary district that focuses primarily on vocational education, and provides education and training in one or more semiskilled or technical occupations.

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