## school corporation Stre \& Student Outcomess. APPENDIX

## Appendix Contents

Appendix A. School Corporation Enrollment Detail . . . 1
Appendix B. Educational Outcomes Detail . . . . . . . . . 5
Appendix C. High School Course Frequency . . . . . . . . 7
Appendix D. Estimation Method \& Results 9

## See Also

Full Analysis . . . htpss//projects.cherdata.org/94/school-corporation:size:and.student-outcomes/

JANUARY 2024
Sponsored by the Indiana Chamber of Commerce Foundation

Produced by the Center for Business and Economic Research, Ball State University

Dagney Faulk, PhD Michael J. Hicks, PhD

## Appendix A. School Corporation Enrollment Detail

Table A1. K-12 Student Enrollment by Indiana Public School Corporation, 2022 \& 2014
Source. Author's calculations using Indiana Department of Education data.

| Indiana Public School Corporation Name (Panel 1 of 8) | $\begin{gathered} 2022 \\ \text { Total K-12 } \end{gathered}$ Enrollment | 2014 <br> Total K-12 <br> Enrollment | Difference 2014-2022 | Indiana Public School Corporation Name (Panel 2 of 8) | 2022 <br> Total K-12 <br> Enrollment | 2014 <br> Total K-12 <br> Enrollment | Difference <br> 2014-2022 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Adams Central Community Schools | 1254 | 1224 | 30 | Blackford County Schools | 1552 | 1807 | -255 |
| Alexandria Community School Corp | 1504 | 1539 | -35 | Bloomfield School District | 826 | 913 | -87 |
| Anderson Community School Corp | 6269 | 6790 | -521 | Blue River Valley Schools | 591 | 608 | -17 |
| Argos Community Schools | 621 | 607 | 14 | Borden-Henryville School Corporation | 1693 | *** |  |
| Attica Consolidated School Corp | 567 | 784 | -217 | Bremen Public Schools | 1453 | 1477 | -24 |
| Avon Community School Corp | 10047 | 8771 | 1276 | Brown County School Corporation | 1595 | 2039 | -444 |
| Barr-Reeve Community Schools Inc | 995 | 760 | 235 | Brownsburg Community School Corp | 9627 | 7863 | 1764 |
| Bartholomew Con School Corp | 11402 | 11092 | 310 | Brownstown Cnt Com Sch Corp | 1439 | 1647 | -208 |
| Batesville Community School Corp | 2151 | 2166 | -15 | C A Beard Memorial School Corp | 1038 | 1257 | -219 |
| Baugo Community Schools | 1838 | 1898 | -60 | Cannelton City Schools | 229 | 226 | 3 |
| Beech Grove City Schools | 2800 | 2853 | -53 | Carmel Clay Schools | 16127 | 15832 | 295 |
| Benton Community School Corp | 1607 | 1889 | -282 | Carroll Consolidated School Corp | 1048 | 1119 | -71 |


| Indiana Public School Corporation Name (Panel 3 of 8) | 2022 <br> Total K-12 <br> Enrollment | 2014 <br> Total K-12 <br> Enrollment | Difference <br> 2014-2022 |
| :---: | :---: | :---: | :---: |
| Caston School Corporation | 738 | 759 | -21 |
| Center Grove Community School Corp | 9053 | 7735 | 1318 |
| Centerville-Abington Com Schs | 1749 | 1743 | 6 |
| Central Noble Com School Corp | 1174 | 1264 | -90 |
| Clark-Pleasant Community Sch Corp | 6705 | 6232 | 473 |
| Clarksville Community School Corp | 3096 | 1297 | 1799 |
| Clay Community Schools | 3937 | 4282 | -345 |
| Clinton Central School Corporation | 838 | 1035 | -197 |
| Clinton Prairie School Corporation | 1176 | 1054 | 122 |
| Cloverdale Community Schools | 1360 | 1198 | 162 |
| Community Schools of Frankfort | 2960 | 3119 | -159 |
| Concord Community Schools | 5230 | 5184 | 46 |
| Covington Community School Corp | 822 | 941 | -119 |
| Cowan Community School Corp | 814 | 751 | 63 |
| Crawford County Community Sch Corp | 1331 | 1541 | -210 |
| Crawfordsville Community Schools | 2387 | 2323 | 64 |
| Crothersville Community Schools | 465 | 517 | -52 |
| Crown Point Community School Corp | 8803 | 7940 | 863 |
| Culver Community Schools Corp | 785 | 881 | -96 |
| Daleville Community Schools | 984 | 835 | 149 |
| Danville Community School Corp | 2530 | 2565 | -35 |
| Decatur County Community Schools | 1812 | 2125 | -313 |
| DeKalb Co Ctl United Sch Dist | 3461 | 3715 | -254 |
| DeKalb Co Eastern Com Sch Dist | 1235 | 1375 | -140 |
| Delaware Community School Corp | 2569 | 2576 | -7 |
| Delphi Community School Corp | 1386 | 1496 | -110 |
| Duneland School Corporation | 5827 | 5893 | -66 |
| East Allen County Schools | 9963 | 8988 | 975 |
| East Gibson School Corporation | 725 | 914 | -189 |
| East Noble School Corporation | 3353 | 3735 | -382 |
| East Porter County School Corp | 2439 | 2459 | -20 |
| East Washington School Corp | 1349 | 1545 | -196 |
| Eastbrook Community Sch Corp | 1561 | 1583 | -22 |
| Eastern Greene Schools | 1049 | 1245 | -196 |
| Eastern Hancock Co Com Sch Corp | 1144 | 1146 | -2 |
| Eastern Howard School Corporation | 1563 | 1448 | 115 |
| Eastern Pulaski Community Sch Corp | 1155 | 1272 | -117 |
| Edinburgh Community School Corp | 812 | 905 | -93 |
| Elkhart Community Schools | 11519 | 12690 | -1171 |
| Elwood Community School Corp | 1364 | 1555 | -191 |
| Eminence Community School Corp | 309 | 402 | -93 |
| Evansville Vanderburgh School Corp | 21410 | 22372 | -962 |
| Fairfield Community Schools | 2170 | 2092 | 78 |
| Fayette County School Corporation | 3057 | 3587 | -530 |
| Flat Rock-Hawcreek School Corp | 967 | 913 | 54 |
| Fort Wayne Community Schools | 27870 | 29928 | -2058 |
| Franklin Community School Corp | 4905 | 5033 | -128 |
| Franklin County Community Sch Corp | 2065 | 2743 | -678 |


| Indiana Public School Corporation Name (Panel 4 of 8) | 2022 <br> Total K-12 <br> Enrollment | 2014 <br> Total K-12 <br> Enrollment | Difference 2014-2022 |
| :---: | :---: | :---: | :---: |
| Franklin Township Com Sch Corp | 10826 | 8587 | 2239 |
| Frankton-Lapel Community Schools | 2982 | 2878 | 104 |
| Fremont Community Schools | 976 | 968 | 8 |
| Frontier School Corporation | 657 | 719 | -62 |
| Garrett-Keyser-Butler Com Sch Corp | 1714 | 1760 | -46 |
| Gary Community School Corp | 4162 | 8119 | -3957 |
| Goshen Community Schools | 6228 | 6431 | -203 |
| Greater Clark County Schools | 10059 | 10429 | -370 |
| Greater Jasper Consolidated Schs | 3164 | 3179 | -15 |
| Greencastle Community School Corp | 1759 | 1972 | -213 |
| Greenfield-Central Com Schools | 4333 | 4584 | -251 |
| Greensburg Community Schools | 2079 | 2282 | -203 |
| Greenwood Community Sch Corp | 3927 | 3734 | 193 |
| Griffith Public Schools | 1987 | 2372 | -385 |
| Hamilton Community Schools | 357 | 426 | -69 |
| Hamilton Heights School Corp | 2223 | 2249 | -26 |
| Hamilton Southeastern Schools | 21253 | 20192 | 1061 |
| Hanover Community School Corp | 2584 | 2149 | 435 |
| Huntington Co Com Sch Corp | 4903 | 5482 | -579 |
| Indianapolis Public Schools | 21289 | 30013 | -8724 |
| Jac-Cen-Del Community Sch Corp | 745 | 876 | -131 |
| Jay School Corporation | 2962 | 3457 | -495 |
| Jennings County School Corporation | 3993 | 4648 | -655 |
| John Glenn School Corporation | 1977 | 1842 | 135 |
| Kankakee Valley School Corp | 3217 | 3504 | -287 |
| Knox Community School Corp | 1679 | 1913 | -234 |
| Kokomo School Corporation | 4879 | 6102 | -1223 |
| Lafayette School Corporation | 7430 | 7251 | 179 |
| Lake Central School Corporation | 9224 | 9602 | -378 |
| Lake Ridge New Tech Schools | 1558 | 1948 | -390 |
| Lake Station Community Schools | 1154 | 1488 | -334 |
| Lakeland School Corporation | 1636 | 2160 | -524 |
| Lanesville Community School Corp | 742 | 691 | 51 |
| LaPorte Community School Corp | 5885 | 6379 | -494 |
| Lawrenceburg Community School Corp | 2072 | 1968 | 104 |
| Lebanon Community School Corp | 3306 | 3527 | -221 |
| Lewis Cass Schools* | 1351 | 1483 | -132 |
| Liberty-Perry Community Sch Corp | 1170 | 1097 | 73 |
| Linton-Stockton School Corporation | 1310 | 1364 | -54 |
| Logansport Community Sch Corp | 4202 | 4156 | 46 |
| Loogootee Community Sch Corp | 730 | 940 | -210 |
| Maconaquah School Corp | 1898 | 2218 | -320 |
| Madison Consolidated Schools | 2563 | 3003 | -440 |
| Madison-Grant United School Corp | 1224 | 1334 | -110 |
| Manchester Community Schools | 1391 | 1623 | -232 |
| Marion Community Schools | 3469 | 3727 | -258 |
| Medora Community School Corp | 144 | 254 | -110 |
| Merrillville Community School Corp | 5930 | 6718 | -788 |


| Indiana Public School Corporation Name (Panel 5 of 8) | 2022 <br> Total K-12 <br> Enrollment | 2014 <br> Total K-12 <br> Enrollment | Difference 2014-2022 |
| :---: | :---: | :---: | :---: |
| Michigan City Area Schools | 5269 | 5925 | -656 |
| Middlebury Community Schools | 4299 | 4386 | -87 |
| Milan Community Schools | 969 | 1175 | -206 |
| Mill Creek Community Sch Corp | 1503 | 1548 | -45 |
| Mississinewa Community School Corp | 2319 | 2443 | -124 |
| Mitchell Community Schools | 1474 | 1685 | -211 |
| Monroe Central School Corp | 1052 | 986 | 66 |
| Monroe County Community Sch Corp | 10371 | 10654 | -283 |
| Monroe-Gregg School District | 1515 | 1490 | 25 |
| Mooresville Con School Corp | 4277 | 4555 | -278 |
| MSD Bluffton-Harrison | 1721 | 1477 | 244 |
| MSD Boone Township | 1022 | 1182 | -160 |
| MSD Decatur Township | 6489 | 6118 | 371 |
| MSD Lawrence Township | 15767 | 14544 | 1223 |
| MSD Martinsville Schools | 3961 | 5056 | -1095 |
| MSD Mount Vernon | 2034 | 2173 | -139 |
| MSD North Posey Co Schools | 1420 | 1413 | 7 |
| MSD of New Durham Township | 873 | 904 | -31 |
| MSD Pike Township | 10786 | 10971 | -185 |
| MSD Shakamak Schools | 641 | 821 | -180 |
| MSD Southwest Allen County Schls | 7774 | 6960 | 814 |
| MSD Steuben County | 2533 | 3010 | -477 |
| MSD Wabash County Schools | 2029 | 2165 | -136 |
| MSD Warren County | 1351 | 1135 | 216 |
| MSD Warren Township | 11465 | 11850 | -385 |
| MSD Washington Township | 10771 | 11022 | -251 |
| MSD Wayne Township | 16267 | 15841 | 426 |
| Mt Vernon Community School Corp | 4421 | 3545 | 876 |
| Muncie Community Schools | 4971 | 6568 | -1597 |
| Nettle Creek School Corporation | 1061 | 1112 | -51 |
| New Albany-Floyd Co Con Sch | 11371 | 11212 | 159 |
| New Castle Community School Corp | 2855 | 3475 | -620 |
| New Prairie United School Corp | 2869 | 2884 | -15 |
| Nineveh-Hensley-Jackson United | 2002 | 1824 | 178 |
| Noblesville Schools | 10437 | 9780 | 657 |
| North Adams Community Schools | 1558 | 1762 | -204 |
| North Central Parke Comm Schl Corp | 1167 | 1204 | -37 |
| North Daviess Com Schools | 1099 | 1185 | -86 |
| North Gibson School Corporation | 1913 | 2091 | -178 |
| North Harrison Com School Corp | 2115 | 2200 | -85 |
| North Judson-San Pierre Sch Corp | 914 | 1197 | -283 |
| North Knox School Corp | 1224 | 1333 | -109 |
| North Lawrence Com Schools | 3880 | 5107 | -1227 |
| North Miami Community Schools | 812 | 969 | -157 |
| North Montgomery Com Sch Corp | 1793 | 1904 | -111 |
| North Newton School Corp | 1167 | 1436 | -269 |
| North Putnam Community Schools | 1330 | 1544 | -214 |
| North Spencer County Sch Corp | 1971 | 1915 | 56 |


| Indiana Public School Corporation Name (Panel 6 of 8) | 2022 <br> Total K-12 <br> Enrollment | 2014 <br> Total K-12 <br> Enrollment | $\begin{aligned} & \text { Difference } \\ & \text { 2014-2022 } \end{aligned}$ |
| :---: | :---: | :---: | :---: |
| North Vermillion Com Sch Corp | 686 | 736 | -50 |
| North West Hendricks Schools | 1896 | 1904 | -8 |
| North White School Corp | 885 | 821 | 64 |
| Northeast Dubois Co Sch Corp | 803 | 954 | -151 |
| Northeast School Corp | 748 | 1262 | -514 |
| Northeastern Wayne Schools | 1255 | 1247 | 8 |
| Northern Wells Community Schools | 2430 | 2383 | 47 |
| Northwest Allen County Schools | 7914 | 6828 | 1086 |
| Northwestern Con School Corp | 1394 | 1393 | 1 |
| Northwestern School Corp | 1883 | 1727 | 156 |
| Oak Hill United School Corp | 1609 | 1628 | -19 |
| Oregon-Davis School Corp | 478 | 596 | -118 |
| Orleans Community Schools | 871 | 851 | 20 |
| Paoli Community School Corp | 1234 | 1569 | -335 |
| Penn-Harris-Madison School Corp | 10764 | 10320 | 444 |
| Perry Central Com Schools Corp | 1197 | 1152 | 45 |
| Perry Township Schools | 16293 | 14554 | 1739 |
| Peru Community Schools | 1925 | 2124 | -199 |
| Pike County School Corp | 1567 | 1909 | -342 |
| Pioneer Regional School Corp | 948 | 944 | 4 |
| Plainfield Community School Corp | 5561 | 5100 | 461 |
| Plymouth Community School Corp | 3286 | 3695 | -409 |
| Portage Township Schools | 6954 | 7951 | -997 |
| Porter Township School Corp | 1400 | 1481 | -81 |
| Prairie Heights Community Sch Corp | 1342 | 1371 | -29 |
| Randolph Central School Corp | 1306 | 1538 | -232 |
| Randolph Eastern School Corp | 837 | 891 | -54 |
| Randolph Southern School Corp | 474 | 501 | -27 |
| Rensselaer Central School Corp | 1473 | 1620 | -147 |
| Richland-Bean Blossom C S C | 2643 | 2700 | -57 |
| Richmond Community Schools | 4415 | 5021 | -606 |
| Rising Sun-Ohio Co Com | 803 | 843 | -40 |
| River Forest Community Sch Corp | 1585 | 1478 | 107 |
| Rochester Community School Corp | 1622 | 1845 | -223 |
| Rossville Con School District | 923 | 993 | -70 |
| Rush County Schools | 1865 | 2462 | -597 |
| Salem Community Schools | 1727 | 1960 | -233 |
| School City of East Chicago | 3251 | 4563 | -1312 |
| School City of Hammond | 11409 | 12990 | -1581 |
| School City of Hobart | 4006 | 4028 | -22 |
| School City of Mishawaka | 5154 | 5035 | 119 |
| School City of Whiting | 1128 | 1113 | 15 |
| School Town of Highland | 3046 | 3240 | -194 |
| School Town of Munster | 4105 | 4072 | 33 |
| School Town of Speedway | 1837 | 1657 | 180 |
| Scott County School District 1 | 1200 | 1259 | -59 |
| Scott County School District 2 | 2478 | 2673 | -195 |
| Seymour Community Schools | 5246 | 4273 | 973 |


| Indiana Public School Corporation Name (Panel 7 of 8) | 2022 <br> Total K-12 <br> Enrollment | 2014 <br> Total K-12 <br> Enrollment | Difference <br> 2014-2022 |
| :---: | :---: | :---: | :---: |
| Shelby Eastern Schools | 1165 | 1283 | -118 |
| Shelbyville Central Schools | 3734 | 3916 | -182 |
| Shenandoah School Corporation | 1333 | 1372 | -39 |
| Sheridan Community Schools | 1049 | 1039 | 10 |
| Shoals Community School Corp | 649 | 586 | 63 |
| Silver Creek School Corporation | 2927 | *** |  |
| Smith-Green Community Schools | 1170 | 1185 | -15 |
| South Adams Schools | 1210 | 1299 | -89 |
| South Bend Community School Corp | 15081 | 18943 | -3862 |
| South Central Com School Corp | 944 | 941 | 3 |
| South Dearborn Community Sch Corp | 1951 | 2728 | -777 |
| South Gibson School Corporation | 2067 | 1993 | 74 |
| South Harrison Com Schools | 2999 | 3062 | -63 |
| South Henry School Corp | 709 | 802 | -93 |
| South Knox School Corp | 1236 | 1194 | 42 |
| South Madison Com Sch Corp | 4416 | 4542 | -126 |
| South Montgomery Com Sch Corp | 1551 | 1710 | -159 |
| South Newton School Corp | 822 | 866 | -44 |
| South Putnam Community Schools | 1046 | 1143 | -97 |
| South Ripley Com Sch Corp | 1094 | 1164 | -70 |
| South Spencer County Sch Corp | 1084 | 1298 | -214 |
| South Vermillion Com Sch Corp | 1601 | 1793 | -192 |
| Southeast Dubois Co Sch Corp | 1226 | 1307 | -81 |
| Southeast Fountain School Corp | 972 | 1151 | -179 |
| Southern Hancock Co Com Sch Corp | 3648 | 3192 | 456 |
| Southern Wells Com Schools | 845 | 854 | -9 |
| Southwest Dubois Co Sch Corp | 1803 | 1754 | 49 |
| Southwest Parke Com Sch Corp | 990 | 989 | 1 |
| Southwest School Corporation | 1650 | 1742 | -92 |
| Southwestern Con Sch Shelby Co | 570 | 616 | -46 |
| Southwestern-Jefferson Co Con | 1245 | 1317 | -72 |
| Spencer-Owen Community Schools | 2123 | 2635 | -512 |
| Springs Valley Com School Corp | 813 | 917 | -104 |
| Sunman-Dearborn Com Sch Corp | 3746 | 4008 | -262 |
| Switzerland County School Corp | 1480 | 1502 | -22 |
| Taylor Community School Corp | 1251 | 1227 | 24 |
| Tell City-Troy Twp School Corp | 1391 | 1495 | -104 |
| Tippecanoe School Corp | 13591 | 12259 | 1332 |


| Indiana Public School Corporation Name (Panel 8 of 8) | 2022 <br> Total K-12 <br> Enrollment | 2014 <br> Total K-12 <br> Enrollment | $\begin{aligned} & \text { Difference } \\ & \text { 2014-2022 } \end{aligned}$ |
| :---: | :---: | :---: | :---: |
| Tippecanoe Valley School Corp | 1758 | 1994 | -236 |
| Tipton Community School Corp | 1411 | 1727 | -316 |
| Tri-Central Community Schools | 740 | 828 | -88 |
| Tri-County School Corporation | 729 | 758 | -29 |
| Tri-Creek School Corporation | 3229 | 3453 | -224 |
| Triton School Corporation | 898 | 964 | -66 |
| Tri-Township Cons School Corp | 305 | 361 | -56 |
| Twin Lakes School Corp | 2217 | 2424 | -207 |
| Union Co/Clg Corner Joint Sch Dist | 1265 | 1469 | -204 |
| Union School Corporation | 6321 | 371 | 5950 |
| Union Township School Corp | 1406 | 1534 | -128 |
| Union-North United School Corp | 1267 | 1138 | 129 |
| Valparaiso Community Schools | 6346 | 6403 | -57 |
| Vigo County School Corp | 13602 | 15278 | -1676 |
| Vincennes Community School Corp | 2799 | 2678 | 121 |
| Wabash City Schools | 1462 | 1440 | 22 |
| Wa-Nee Community Schools | 2869 | 3023 | -154 |
| Warrick County School Corp | 9963 | 9939 | 24 |
| Warsaw Community Schools | 6704 | 7106 | -402 |
| Washington Community Schools | 2434 | 2567 | -133 |
| Wawasee Community School Corp | 2833 | 3086 | -253 |
| Wes-Del Community Schools | 871 | 850 | 21 |
| West Central School Corp | 633 | 856 | -223 |
| West Lafayette Com School Corp | 2341 | 2246 | 95 |
| West Noble School Corporation | 2180 | 2463 | -283 |
| West Washington School Corp | 872 | 843 | 29 |
| Western Boone Co Com Sch Dist | 1614 | 1721 | -107 |
| Western School Corporation | 2568 | 2651 | -83 |
| Western Wayne Schools | 738 | 1002 | -264 |
| Westfield-Washington Schools | 8729 | 6674 | 2055 |
| Westview School Corporation | 2093 | 2347 | -254 |
| White River Valley School District | 760 | 810 | -50 |
| Whitko Community School Corp | 1223 | 1605 | -382 |
| Whitley County Con Schools | 3570 | 3477 | 93 |
| Yorktown Community Schools | 2683 | 2401 | 282 |
| Zionsville Community Schools | 7517 | 6035 | 1482 |

## Appendix B. Educational Outcomes Detail

Tables B1 through B8 in this Appendix provide additional details for the statistics included in Tables 4 and 5 of the main report.

Table B1. Student Pass Rate for 4th Grade ILEARN, 2022
Note: * Data was suppressed for one corporation due to fewer than 10 students taking the test, so seven corporations are used in calculations in this size cateogory.

| 2022 School Corporation Enrollment | $\begin{gathered} \text { \# Corp at } \\ \text { Size } \end{gathered}$ | \% Students Passing 4th Grade ILEARN |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  |  | Mean | Minimum | Maximum |
| 144 to 499 | 8* | 28.1\% | 0.0\% | 58.3\% |
| 500 to 999 | 50 | 30.0\% | 6.7\% | 57.1\% |
| 1,000 to 1,499 | 63 | 33.7\% | 9.4\% | 62.1\% |
| 1,500 to 1,999 | 42 | 34.1\% | 14.4\% | 58.8\% |
| 2,000 to 2,999 | 41 | 38.2\% | 13.9\% | 58.9\% |
| 3,000 to 4,999 | 35 | 32.0\% | 2.0\% | 52.4\% |
| 5,000 to 9,999 | 27 | 38.3\% | 5.6\% | 69.4\% |
| 10,000 to 19,999 | 20 | 30.6\% | 8.0\% | 60.5\% |
| 20,000+ | 4 | 31.4\% | 15.3\% | 53.7\% |
| Indiana Total | 289* | 33.6\% | 0.0\% | 69.4\% |

Table B3. Student Pass Rate for 3rd Grade IREAD, 2022
Note: * Data was suppressed for one corporation due to fewer than 10 students taking the test, so seven corporations are used in calculations in this size category.

| 2022 School <br> Corporation <br> Enrollment | $\begin{aligned} & \text { \# Corp at } \\ & \text { Size } \end{aligned}$ | \% Students Passing 3rd Grade IREAD |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  |  | Mean | Minimum | Maximum |
| 144 to 499 | 8* | 77.7\% | 64.7\% | 100.0\% |
| 500 to 999 | 50 | 86.9\% | 69.0\% | 98.2\% |
| 1,000 to 1,499 | 63 | 86.6\% | 70.5\% | 97.6\% |
| 1,500 to 1,999 | 42 | 85.9\% | 53.6\% | 95.2\% |
| 2,000 to 2,999 | 41 | 87.1\% | 74.0\% | 96.4\% |
| 3,000 to 4,999 | 35 | 81.8\% | 42.4\% | 96.4\% |
| 5,000 to 9,999 | 27 | 82.1\% | 53.4\% | 94.9\% |
| 10,000 to 19,999 | 20 | 77.3\% | 58.1\% | 91.0\% |
| 20,000+ | 4 | 75.0\% | 62.8\% | 94.0\% |
| Indiana Total | 289* | 84.6\% | 42.4\% | 100.0\% |

Table B2. Student Pass Rate for 8th Grade ILEARN, 2022

| 2022 School <br> Corporation <br> Enrollment | \# Corp at <br> Size | \% Students Passing 8th Grade ILEARN |  |  |
| :--- | :---: | :---: | :---: | :---: |
| 144 to 499 | 8 | $5.8 \%$ | $0.0 \%$ | $13.6 \%$ |
| 500 to 999 | 50 | $20.6 \%$ | $3.5 \%$ | $53.5 \%$ |
| 1,000 to 1,499 | 63 | $22.7 \%$ | $1.1 \%$ | $56.3 \%$ |
| 1,500 to 1,999 | 42 | $24.2 \%$ | $3.0 \%$ | $52.6 \%$ |
| 2,000 to 2,999 | 41 | $29.6 \%$ | $10.0 \%$ | $52.4 \%$ |
| 3,000 to 4,999 | 35 | $23.2 \%$ | $0.9 \%$ | $49.1 \%$ |
| 5,000 to 9,999 | 27 | $29.2 \%$ | $4.1 \%$ | $58.4 \%$ |
| 10,000 to 19,999 | 20 | $23.9 \%$ | $3.4 \%$ | $51.7 \%$ |
| 20,000+ | 4 | $22.6 \%$ | $9.9 \%$ | $41.2 \%$ |
| Indiana Total | 290 | $23.8 \%$ | $0.0 \%$ | $58.4 \%$ |

Table B4. Student Rate Passing at Least One AP Exam, 2019
Note: School corporations with no graduates taking an AP exam were not included in these calculations.

| Corp. Size Category | $\begin{aligned} & \text { \# Corp at } \\ & \text { Size } \end{aligned}$ | \% HS Grads Passing at Least One AP Exam |  |  | \# Corp w/ Grads Taking AP Exams |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Avg. \% | Minimum | Maximum |  |
| 144 to 499 | 8 | 1.70\% | 0.0\% | 6.8\% | 4 |
| 500 to 999 | 50 | 9.89\% | 0.0\% | 37.3\% | 45 |
| 1,000 to 1,499 | 63 | 11.58\% | 0.0\% | 26.3\% | 56 |
| 1,500 to 1,999 | 42 | 11.53\% | 0.0\% | 41.3\% | 40 |
| 2,000 to 2,999 | 41 | 14.41\% | 0.7\% | 63.5\% | 38 |
| 3,000 to 4,999 | 35 | 18.30\% | 0.0\% | 50.1\% | 34 |
| 5,000 to 9,999 | 27 | 22.39\% | 4.5\% | 62.3\% | 27 |
| $\begin{aligned} & 10,000 \text { to } \\ & 19,999 \end{aligned}$ | 20 | 23.30\% | 7.6\% | 54.3\% | 20 |
| 20,000+ | 4 | 21.18\% | 10.3\% | 42.6\% | 4 |
| Indiana Total | 290 | 14.5\% | 0.0\% | 63.5\% | 268 |

Table B5. Student Performance on SAT Composite, 2021

| Corp. Size Category | \# Corp at Size | SAT Composite Score (EBRW \& Math) |  |  | \# Corp. w/ Data Avail. |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Average | Minimum | Maximum |  |
| 144 to 499 | 8 | 931.9 | 908.0 | 955.8 | 2 |
| 500 to 999 | 50 | 1063.4 | 932.5 | 1176.2 | 42 |
| 1,000 to 1,499 | 63 | 1067.0 | 950.7 | 1175.0 | 60 |
| 1,500 to 1,999 | 42 | 1060.1 | 953.4 | 1153.4 | 41 |
| 2,000 to 2,999 | 41 | 1079.9 | 964.4 | 1299.0 | 40 |
| 3,000 to 4,999 | 35 | 1070.4 | 870.7 | 1156.9 | 35 |
| 5,000 to 9,999 | 27 | 1097.9 | 957.1 | 1226.8 | 27 |
| $\begin{aligned} & 10,000 \text { to } \\ & 19,999 \end{aligned}$ | 20 | 1091.4 | 968.8 | 1224.7 | 20 |
| 20,000+ | 4 | 1054.4 | 863.1 | 1182.6 | 4 |
| Indiana Total | 290 | 1071.5 | 863.1 | 1299.0 | 271 |

Table B6. Student Performance on ACT, 2021

| Corp. Size <br> Category | \# Corp at <br> Size | ACT Score <br> Average |  |  |  |
| :--- | :---: | :---: | :---: | :---: | :---: |
| Minimum | Maximum | \# Corp. w/ <br> Data Avail. |  |  |  |
| 144 to 499 | 8 | $* * *$ | $* * *$ | $* * *$ | 0 |
| 500 to 999 | 50 | 21.4 | 19.9 | 23.2 | 3 |
| 1,000 to 1,499 | 63 | 21.7 | 19.2 | 24.9 | 15 |
| 1,500 to 1,999 | 42 | 21.9 | 19.8 | 24.4 | 16 |
| 2,000 to 2,999 | 41 | 23.1 | 17.8 | 31.0 | 24 |
| 3,000 to 4,999 | 35 | 23.4 | 17.8 | 27.4 | 23 |
| 5,000 to 9,999 | 27 | 24.0 | 18.0 | 26.9 | 20 |
| 10,000 to <br> 19,999 | 20 | 22.7 | 18.0 | 27.1 | 19 |
| 20,000+ | 4 | 21.5 | 16.8 | 25.1 | 4 |
| Indiana Total | 290 | 22.8 | 16.8 | 31.0 | 124 |

Table B7. Student Pass Rate for 11th Grade SAT Benchmark for Evidence-Based Reading \& Writing and Math, 2021

| Corp. Size <br> Category | \# Corp at <br> Size | \% Passing 11th Grade SAT Benchmark for EBRW \& Math <br> Average |  |  |
| :--- | :---: | :---: | :---: | :---: |
| 144 to 499 | 8 | $13.9 \%$ | Minimum | Maximum |
| 500 to 999 | 50 | $24.2 \%$ | $6.0 \%$ | $36.7 \%$ |
| 1,000 to 1,499 | 63 | $24.6 \%$ | $4.2 \%$ | $57.4 \%$ |
| 1,500 to 1,999 | 42 | $26.6 \%$ | $4.4 \%$ | $47.9 \%$ |
| 2,000 to 2,999 | 41 | $28.7 \%$ | $9.0 \%$ | $50.4 \%$ |
| 3,000 to 4,999 | 35 | $26.2 \%$ | $1.9 \%$ | $69.6 \%$ |
| 5,000 to 9,999 | 27 | $30.5 \%$ | $5.6 \%$ | $52.7 \%$ |
| 10,000 to 19,999 | 20 | $28.6 \%$ | $6.1 \%$ | $65.9 \%$ |
| 20,000+ | 4 | $25.1 \%$ | $3.9 \%$ | $67.4 \%$ |
| Indiana Total | 290 | $26.1 \%$ | $0.0 \%$ | $55.8 \%$ |

Table B8. Share of High School Graduates with an Honors Diploma, 2021

| Corp. Size <br> Category | \# Corp at <br> Size | \% of High School Graduates w/ Honors Diploma <br> Average |  |  |
| :--- | :---: | :---: | :---: | :---: |
| 144 to 499 | 8 | $34.1 \%$ | Minimum | Maximum |
| 500 to 999 | 50 | $40.0 \%$ | $6.0 \%$ | $55.0 \%$ |
| 1,000 to 1,499 | 63 | $39.2 \%$ | $5.1 \%$ | $65.4 \%$ |
| 1,500 to 1,999 | 42 | $36.8 \%$ | $12.0 \%$ | $66.0 \%$ |
| 2,000 to 2,999 | 41 | $39.4 \%$ | $17.4 \%$ | $62.0 \%$ |
| 3,000 to 4,999 | 35 | $36.1 \%$ | $8.3 \%$ | $73.4 \%$ |
| 5,000 to 9,999 | 27 | $38.2 \%$ | $6.0 \%$ | $58.2 \%$ |
| 10,000 to 19,999 | 20 | $36.3 \%$ | $16.1 \%$ | $76.1 \%$ |
| 20,000+ | 4 | $32.0 \%$ | $10.9 \%$ | $59.0 \%$ |
| Indiana Total | 290 | $38.2 \%$ | $5.7 \%$ | $58.2 \%$ |

## Appendix C. High School Course Frequency

Tables C1 through C4 in this Appendix provide additional details for the High School Course Offerings section (pg. 11-14) of the main report.

## Table C1. Top 10 Most-Frequently Enrolled Advanced Placement (AP) Courses, 2022

Source: Author's calculations using Indiana Department of Education data
Note. North Vermillion Community School Corporation, Lake Ridge New Tech Schools and Spencer-Owen Community Schools are not included in this analysis because no course information was available.

| Course Title | \# School <br> Corp w/ <br> Course | \% School <br> Corp w/ <br> Course | Course \% <br> of All AP <br> Offered | Students <br> Enrolled <br> 2021-22 | Course \% of <br> AP Enroll |
| :--- | :---: | :---: | :---: | :---: | :---: |
| AP Calculus AB | 199 | 68.62 | 8.72 | 5,691 | 6.89 |
| AP English Lang. Comp. | 157 | 54.14 | 6.88 | 9,995 | 12.11 |
| AP U.S. History | 155 | 53.45 | 6.79 | 8,464 | 10.25 |
| AP English Lit and | 152 | 52.41 | 6.66 | 6,657 | 8.06 |
| Comp. | 144 | 49.66 | 6.31 | 4,702 | 5.70 |
| AP Biology (L) | 131 | 45.17 | 5.74 | 2,576 | 3.12 |
| AP Chemistry | 110 | 37.93 | 4.82 | 5,080 | 6.15 |
| AP U.S. Gov't \& Politics | 109 | 37.59 | 4.78 | 3,956 | 4.79 |
| AP Statistics | 107 | 36.90 | 4.69 | 2,459 | 2.98 |
| AP Physics 1: | 90 | 31.03 | 3.94 | 6,552 | 7.94 |
| Algebra-Based | 290 | - | 2,282 | 82,544 | $100.00 \%$ |
| AP Psychology |  |  |  |  |  |

Table C2. Most-Frequently Offered Dual Credit Courses, 2022
Source: Author's calculations using data from the Indiana Department of Education. Notes: Courses approved by the Indiana Commission for Higher Education (ICHE) to be included on the Dual Credit Priority Course List/Liberal Arts as of August 2013.
Course information not available for North Vermillion Community School Corporation, Lake Ridge New Tech Schools or Spencer-Owen Community Schools.

| Course Title | \# Corp Offering Course | \% Corp Offering Course | $\%$ of All PLA Courses | $\begin{gathered} \text { Course } \\ \text { Enroll } \\ \text { 2021-22 } \end{gathered}$ | Course <br> \% of PLA <br> Enrollment |
| :---: | :---: | :---: | :---: | :---: | :---: |
| U.S. Government | 286 | 98.96\% | 7.54\% | 57,032 | 13.34\% |
| U.S. History | 286 | 98.96\% | 7.54\% | 73,887 | 17.28\% |
| Spanish III | 285 | 98.62\% | 7.52\% | 22,805 | 5.33\% |
| English 11 | 283 | 97.92\% | 7.46\% | 60,171 | 14.08\% |
| English 12 | 282 | 97.58\% | 7.44\% | 44,496 | 10.41\% |
| Economics | 281 | 97.23\% | 7.41\% | 55,011 | 12.87\% |
| Pre-Calculus: Algebra | 271 | 93.77\% | 7.15\% | 26,458 | 6.19\% |
| Psychology | 248 | 85.81\% | 6.54\% | 16,248 | 3.80\% |
| Pre-Calculus: Trig. | 211 | 73.01\% | 5.56\% | 18,619 | 4.36\% |
| Spanish IV | 162 | 56.06\% | 4.27\% | 3,984 | 0.93\% |
| French III | 129 | 44.64\% | 3.40\% | 3,707 | 0.87\% |
| Adv. Speech \& Comm. | 119 | 41.18\% | 3.14\% | 6,358 | 1.49\% |
| Finite Mathematics | 119 | 41.18\% | 3.14\% | 4,904 | 1.15\% |
| Biology II (L) | 113 | 39.10\% | 2.98\% | 5,313 | 1.24\% |
| Chemistry II (L) | 100 | 34.60\% | 2.64\% | 2,548 | 0.60\% |
| German III | 87 | 30.10\% | 2.29\% | 2,052 | 0.48\% |
| Calculus | 81 | 28.03\% | 2.14\% | 1,933 | 0.45\% |
| French IV | 78 | 26.99\% | 2.06\% | 796 | 0.19\% |
| Adv. Composition | 72 | 24.91\% | 1.90\% | 6,219 | 1.45\% |
| Quant. Reasoning | 70 | 24.22\% | 1.85\% | 3,338 | 0.78\% |
| German IV | 51 | 17.65\% | 1.34\% | 413 | 0.10\% |
| American Literature | 37 | 12.80\% | 0.98\% | 6,087 | 1.42\% |
| English Literature | 35 | 12.11\% | 0.92\% | 3,020 | 0.71\% |
| Japanese III | 22 | 7.61\% | 0.58\% | 387 | 0.09\% |
| Physics II (L) | 22 | 7.61\% | 0.58\% | 496 | 0.12\% |
| Expository Writing | 20 | 6.92\% | 0.53\% | 722 | 0.17\% |
| Chinese III | 17 | 5.88\% | 0.45\% | 285 | 0.07\% |
| Japanese IV | 17 | 5.88\% | 0.45\% | 129 | 0.03\% |
| Chinese IV | 8 | 2.77\% | 0.21\% | 64 | 0.01\% |

## Table C3. Frequency of School Corporation Offerings for Advanced Courses for College Credit (ACCC), 2022

Source: Author's calculations using data from the Indiana Department of Education.
Note. North Vermillion Community School Corporation, Lake Ridge New Tech Schools and Spencer-Owen Community Schools are not included in this analysis because no course information was available.

* Course not included on the Indiana Department of Education's Priority Course List.

| Name of Course | \# Corp <br> Offering <br> Course | \% Corp w/ <br> Students in <br> Course | \% of All <br> ACCC w/ <br> Enroll | Students <br> Enrolled <br> $2021-22$ | Course \% <br> of ACCC <br> Enroll |
| :--- | :---: | :---: | :---: | :---: | :---: |
| Adv. English /Language <br> Arts, College Credit | 172 | $59.31 \%$ | $32.82 \%$ | 11,376 | $39.05 \%$ |
| Adv. Social Sciences, <br> College Credit | 93 | $32.07 \%$ | $17.75 \%$ | 4,871 | $16.72 \%$ |
| Adv. World Language, <br> College Credit* | 23 | $7.93 \%$ | $4.39 \%$ | 1,326 | $4.55 \%$ |
| Adv. Mathematics, <br> College Credit | 94 | $32.41 \%$ | $17.94 \%$ | 5,776 | $19.83 \%$ |
| Adv. Science, College <br> Credit* | 107 | $36.90 \%$ | $20.42 \%$ | 4,978 | $17.09 \%$ |
| Adv. Fine Arts, College <br> Credit | 35 | $12.07 \%$ | $6.68 \%$ | 804 | $2.76 \%$ |
| Indiana Total | 290 | $100.00 \%$ | 524 | 29,131 | $100.00 \%$ |

Table C4. Most-Frequently Enrolled Career \& Technical Education Priority Dual Credit Courses, 2022

Source: Author's calculations using data from the Indiana Department of Education.
Note: This table includes the 24 Priority Course List/CTE courses where at least 101 school corporations have students enrolled. There were a total of 237 PCL/CTE courses with students enrolled during 2021-22.
North Vermillion Community School Corporation, Lake Ridge New Tech Schools and Spencer-Owen Community Schools are not included in this analysis because no course information was available.

| Course Title | \# Corp w/ Students Enrolled | \% Corp w/ Students Enrolled | \# Students <br> Enrolled <br> 2021-22 | \% of CTE Course Enrollment |
| :---: | :---: | :---: | :---: | :---: |
| Anatomy \& Physiology | 228 | 78.62 | 11,179 | 5.61 |
| Principles of Business Management | 216 | 74.48 | 14,789 | 7.42 |
| Computer Science I | 202 | 69.66 | 7,542 | 3.78 |
| Intro to Engineering Design | 192 | 66.21 | 10,539 | 5.29 |
| Accounting Fundamentals | 176 | 60.69 | 5,381 | 2.70 |
| Principles of Engineering | 164 | 56.55 | 3,756 | 1.88 |
| Animal Science | 163 | 56.21 | 6,013 | 3.02 |
| Marketing Fundamentals | 163 | 56.21 | 8,589 | 4.31 |
| Education Professions I | 156 | 53.79 | 2,652 | 1.33 |
| Principles of Agriculture | 137 | 47.24 | 5,698 | 2.86 |
| Agribusiness Management | 136 | 46.90 | 2,635 | 1.32 |
| Agriculture Power, Structure \& Technology | 128 | 44.14 | 3,371 | 1.69 |
| Health Science Education I | 126 | 43.45 | 2,951 | 1.48 |
| Culinary Arts \& Hospitality I | 121 | 41.72 | 3,579 | 1.79 |
| Medical Terminology | 118 | 40.69 | 3,052 | 1.53 |
| Advanced Life Science, <br> Animals (L) | 114 | 39.31 | 2,318 | 1.16 |
| Construction Trades I | 112 | 38.62 | 2,226 | 1.12 |
| Criminal Justice I | 112 | 38.62 | 2,004 | 1.01 |
| Health Sci Ed II: Nursing | 109 | 37.59 | 1,923 | 0.96 |
| Welding Technology II | 109 | 37.59 | 1,002 | 0.50 |
| Construction Trades II | 103 | 35.52 | 911 | 0.46 |
| Welding Technology I | 103 | 35.52 | 1,748 | 0.88 |
| Radio \& Television I | 101 | 34.83 | 3,043 | 1.53 |
| Indiana Total (All Dual Credit PCL/CTE Courses) | 290 | - | 199,389 | - |

## Appendix D. Estimation Method \& Results

Our model is a straightforward exposition of the relationship between scale and educational outcomes, taking the form:

$$
Q_{i}=a+\delta_{1}\left(\ln \left(Z_{i}\right)\right)+X B+\varepsilon_{i}
$$

...Where the student outcome measure of school corporation $i$ is a function of a common intercept, $a$, the natural log of enrollment, $Z$, the matrix of control variables X , a white noise idiosyncratic error term distributed identically and independently. The control variables X in the model include share of students in the free and reduced price lunch program, share of English language learners, share of special education students, share of African American students, share of white students, share of Asian students, share of multiracial students and share of Hispanic students. For the race variables Native American and Hawaiian/Pacific Islander are the omitted categories. This model is similar to the one used to estimate learning loss due to the pandemic. We use total enrollment as reported in the Indiana Department of Education enrollment counts for these models. Other variables are from the Indiana Department of Education or Indiana Commission for Higher Education.
We use a cross section model due to data limitations. The previous study, Devaraj, Faulk and Hicks (2017), included panel models. However, because of the pandemic and various other data limitations, we used cross section models in this analysis. The results largely support the findings of the 2017 study using panel models.

Table D1. Summary Statistics

|  | Overall |  |  |  | Enrollment < 1000 |  | Enrollment <2000 |  | Enrollment <4000 |  | Enrollment <8000 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Mean | Std. Dev. | Min | Max | Mean | Std. Dev. | Mean | Std. Dev. | Mean | Std. Dev. | Mean | Std. Dev. |
| Dependent variables |  |  |  |  |  |  |  |  |  |  |  |  |
| SAT composite score (2021) | 1071.5 | 57.9 | 863.1 | 1299.0 | 1058.2 | 56.2 | 1061.8 | 49.0 | 1066.7 | 51.2 | 1068.2 | 53.7 |
| Share of students who passed AP exam (2019) | 0.14 | 0.11 | 0.00 | 0.64 | 0.08 | 0.08 | 0.10 | 0.08 | 0.11 | 0.09 | 0.12 | 0.10 |
| Share of students who passed iLearn in 4th grade (2022) | 0.34 | 0.13 | 0.00 | 0.69 | 0.30 | 0.12 | 0.32 | 0.12 | 0.34 | 0.12 | 0.33 | 0.12 |
| Share of students who passed iLearn in 8th grade (2022) | 0.24 | 0.13 | 0.00 | 0.58 | 0.18 | 0.12 | 0.22 | 0.12 | 0.23 | 0.12 | 0.23 | 0.12 |
| Share of students who passed iREAD in 3rd grade (2022) | 0.85 | 0.09 | 0.42 | 1.00 | 0.86 | 0.08 | 0.86 | 0.07 | 0.86 | 0.07 | 0.85 | 0.08 |
| Share of students who graduated with a Waiver (2022) | 0.15 | 0.10 | 0.00 | 0.60 | 0.14 | 0.12 | 0.14 | 0.10 | 0.14 | 0.10 | 0.15 | 0.10 |
| Share of students who filed the FAFSA (2022) | 0.48 | 0.10 | 0.17 | 0.72 | 0.48 | 0.09 | 0.49 | 0.10 | 0.48 | 0.10 | 0.48 | 0.10 |
| Share of graduates who attended college or university (2019) | 0.56 | 0.10 | 0.25 | 0.91 | 0.54 | 0.11 | 0.55 | 0.10 | 0.56 | 0.10 | 0.56 | 0.10 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| Independent variables (2022) |  |  |  |  |  |  |  |  |  |  |  |  |
| School corporation enrollment | 3396.3 | 4084.0 | 161.0 | 28778.0 | 758.1 | 196.7 | 1206.8 | 412.2 | 1635.2 | 831.1 | 2202.0 | 1635.2 |
| Natural log school corporation enrollment | 8.13 | 8.31 | 5.08 | 10.27 | 6.63 | 5.28 | 7.10 | 6.02 | 7.40 | 6.72 | 7.70 | 7.40 |
| Share of students in free and reduced price lunch program in school corporation | 0.43 | 0.15 | 0.05 | 1.00 | 0.47 | 0.15 | 0.44 | 0.13 | 0.43 | 0.13 | 0.43 | 0.14 |
| Share of English language learners in school corporation | 0.04 | 0.06 | 0.00 | 0.33 | 0.02 | 0.05 | 0.02 | 0.04 | 0.03 | 0.05 | 0.03 | 0.06 |
| Share of special education students in school corporation | 0.18 | 0.04 | 0.10 | 0.30 | 0.19 | 0.04 | 0.19 | 0.04 | 0.18 | 0.04 | 0.18 | 0.04 |
| Share of African American students in school corporation | 0.05 | 0.11 | 0.00 | 0.89 | 0.00 | 0.00 | 0.01 | 0.04 | 0.02 | 0.05 | 0.03 | 0.09 |
| Share of White students in school corporation | 0.80 | 0.20 | 0.01 | 0.97 | 0.91 | 0.08 | 0.88 | 0.13 | 0.86 | 0.15 | 0.83 | 0.18 |
| Share of Asian student in school corporation | 0.01 | 0.03 | 0.00 | 0.30 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.02 | 0.01 | 0.02 |
| Share of multiracial students in school corporation | 0.04 | 0.03 | 0.00 | 0.16 | 0.03 | 0.01 | 0.03 | 0.02 | 0.03 | 0.02 | 0.04 | 0.02 |
| Share of Hispanic students in school corporation | 0.09 | 0.11 | 0.00 | 0.76 | 0.05 | 0.08 | 0.06 | 0.09 | 0.08 | 0.10 | 0.09 | 0.11 |
| Enrollment growth since 2019 | 0.01 | 0.11 | -0.17 | 1.37 | 0.01 | 0.07 | 0.00 | 0.06 | 0.00 | 0.11 | 0.01 | 0.12 |

Table D2. Estimation Results of Impact of School Corporation Size on SAT Composite Scores
${ }^{* * *} p<0.01,{ }^{* *} p<0.05, ~ * p<0.1$

|  | Overall | Enrollment < 1,000 | Enrollment < 2,000 | Enrollment < 4,000 | Enrollment < 8,000 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Variables | (1) Coefficient [Std. Error] | (2) Coefficient [Std. Error] | (3) Coefficient [Std. Error] | (4) Coefficient [Std. Error] | (5) Coefficient [Std. Error] |
| Constant | 996.40* [590.592] | -981.396 [2613.699] | 35.032 [1101.918] | 1060.434 [778.110] | 626.434 [663.258] |
| Ln of school corporation K-12 enrollment | 9.406* [5.5794] | 90.761*** [30.260] | 14.318 [13.866] | 9.798 [7.659] | 11.385* [5.893] S |
| Share of students in free and reduced price lunch program in school corporation | $-207.123^{* * *}$ [27.801] | -129.217* [64.537] | $-181.803^{* * *}$ [41.709] | $-153.967^{* * *}$ [32.008] | $-164.059^{* * *}$ [28.774] |
| Share of English lang. learners in school corp | -46.937 [73.834] | 563.422 [559.949] | 172.472 [180.955] | 94.040 [62.269] | 25.656 [59.319] |
| Share of special ed. students in school corp | 24.330 [87.959] | -12.438 [230.641] | -24.424 [112.144] | 50.344 [87.625] | 42.766 [85.556] |
| Share of African Am. students in school corp | 3.0499 [560.503] | 4396.378* [2560.668] | 1075.624 [1111.625] | -27.802 [777.385] | 320.754 [635.792] |
| Share of White students in school corp | 79.943 [585.217] | 1497.366 [2540.515] | 1007.028 [1105.092] | -10.876 [784.912] | 415.965 [663.898] |
| Share of Asian students in school corp | 408.225 [598.557] | 4535.098 [3833.429] | 1458.638 [1221.152] | 846.077 [785.163] | 1159.629 [682.682] |
| Share of multiracial students in school corp | 457.740 [669.303] | 944.418 [2698.320] | 1175.404 [1334.569] | 101.081 [897.065] | 639.442 [757.302] |
| Share of Hispanic students in school corp | 76.524 [572.427] | 1121.898 [2668.850] | 866.149 [1069.402] | -79.303 [762.405] | 374.597 [653.055] |
| Enrollment growth since 2019 | $-56.723^{* * *}[18.668]$ | -313.463* [184.140] | $-218.037^{* *}$ [91.115] | $-55.385 * * *$ [20.849] | -61.855***[22.004] |
| Observations | 271 | 43 | 145 | 206 | 240 |
| Adj. R-squared | 0.441 | 0.207 | 0.197 | 0.289 | 0.386 |

Table D3. Estimation Results of Impact of School Corporation Size on Share of High School Graduates Passing at Least One AP Exam ${ }^{* * *} p<0.01,{ }^{* *} p<0.05,{ }^{*} p<0.1$

|  | Overall | Enrollment < 1,000 | Enrollment < 2,000 | Enrollment < 4,000 | Enrollment < 8,000 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Variables | (1) Coefficient [Std. Error] | (2) Coefficient [Std. Error] | (3) Coefficient [Std. Error] | (4) Coefficient [Std. Error] | (5) Coefficient [Std. Error] |
| Constant | -1.435 [2.465] | -1.300 [3.587] | -3.626 [2.637] | -1.810 [2.481] | -1.858 [2.464] |
| Ln of school corporation K-12 enrollment | $0.028^{* * *}$ [0.009] | 0.035 [0.031] | $0.032^{* *}[0.015]$ | $0.031^{* * *}[0.011]$ | $0.033^{* * *}[0.009]$ |
| Share of students in free and reduced price lunch program in school corporation | $-0.371^{* * *}[0.062]$ | $-0.234^{*}[0.139]$ | $-0.137^{* *}[0.066]$ | $-0.196^{* * *}[0.051]$ | $-0.245^{* * *}[0.054]$ |
| Share of English lang. learners in school corp | -0.219 [0.164] | -0.346 [0.658] | -0.024 [0.235] | 0.017 [0.193] | -0.122 [0.182] |
| Share of special ed. students in school corp | -0.082 [0.180] | -0.095 [0.348] | -0.031 [0.202] | -0.164 [0.183] | -0.153 [0.174] |
| Share of African Am. students in school corp | 1.548 [2.452] | -0.077 [3.635] | 3.603 [2.649] | 1.865 [2.487] | 1.848 [2.462] |
| Share of White students in school corp | 1.501 [2.463] | 1.269 [3.662] | 3.563 [2.645] | 1.801 [2.491] | 1.844 [2.470] |
| Share of Asian students in school corp | 2.701 [2.504] | 1.117 [5.867] | 8.447*** [3.169] | 3.906 [2.498] | 4.019 [2.491] |
| Share of multiracial students in school corp | 2.114 [2.483] | 1.912 [4.175] | 3.301 [2.697] | 1.813 [2.523] | 2.195 [2.502] |
| Share of Hispanic students in school corp | 1.654 [2.459] | 1.461 [3.786] | 3.600 [2.645] | 1.859 [2.490] | 1.913 [2.470] |
|  |  |  |  |  |  |
| Observations | 289 | 54 | 160 | 220 | 258 |
| Adj. R-squared | 0.492 | 0.019 | 0.159 | 0.324 | 0.435 |

Table D4. Estimation Results of Impact of School Corporation Size on Share of Students Who Passed the ILEARN During 4th Grade ${ }^{* * *} p<0.01,{ }^{* *} p<0.05,{ }^{*} p<0.1$


Table D5. Estimation Results of Impact of School Corporation Size on Share of Students Who Passed the ILEARN during 8th Grade ${ }^{* * *} p<0.01,{ }^{* *} p<0.05,{ }^{*} p<0.1$

|  | Overall | Enrollment < 1,000 | Enrollment < 2,000 | Enrollment < 4,000 | Enrollment < 8,000 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Variables | (1) Coefficient [Std. Error] | (2) Coefficient [Std. Error] | (3) Coefficient [Std. Error] | (4) Coefficient [Std. Error] | (5) Coefficient [Std. Error] |
| Constant | 0.370*** [0.114] | 0.860 [6.464] | -0.006 [0.181] | 0.116 [0.113] | $0.283 * * *[0.108]$ |
| Ln of school corporation K-12 enrollment | $0.035^{* * *}$ [0.011] | $0.136^{* * *}$ [0.040] | $0.065^{* * *}$ [0.022] | $0.051^{* * *}$ [0.014] | $0.038^{* * *}$ [0.010] |
| Share of students in free and reduced price lunch program in school corporation | $-0.380^{* * *}[0.065]$ | $-0.269^{*}[0.136]$ | $-0.344^{* * *}[0.110]$ | $-0.361^{* * *}[0.081]$ | $-0.399^{* * *}[0.073]$ |
| Share of English lang. learners in school corp | -0.282 [0.200] | 1.559 [1.122] | $0.677^{* *}$ [0.277] | $0.602 * * *[0.210]$ | $0.398^{* *}[0.160]$ |
| Share of special ed. students in school corp | $-0.366 *[0.199]$ | -0.587 [0.370] | -0.250 [0.214] | $-0.312^{*}[0.169]$ | -0.260 [0.163] |
| Share of African Am. students in school corp | $-0.271^{* * *}[0.101]$ | -6.418 [6.399] | -0.066 [0.192] | $-0.256 * *[0.127]$ | $-0.215^{* *}$ [0.095] |
| Share of White students in school corp | -0.031 [0.078] | -1.334 [6.447] | -0.026 [0.030] | -0.031 [0.021] | -0.100 [0.071] |
| Share of Asian students in school corp | $0.347^{* *}[0.161]$ | -2.659 [8.587] | 1.672 [1.829] | 0.899*** [0.279] | $0.723^{* * *}$ [0.221] |
| Share of multiracial students in school corp | $-0.657^{* *}[0.305]$ | 0.793 [6.340] | -0.411 [0.433] | -0.352 [0.288] | $-0.524^{* *}$ [0.214] |
| Share of Hispanic students in school corp | -0.044 [0.128] | -2.544 [6.504] | -0.283*** [0.070] | -0.259*** [0.092] | -0.295*** [0.094] |
| Enrollment growth since 2019 | -0.131*** [0.039] | 0.263 [0.223] | 0.114 [0.126] | -0.044 [0.066] | -0.068 [0.042] |
| Observations | 287 | 57 | 159 | 219 | 257 |
| Adj. R-squared | 0.435 | 0.289 | 0.306 | 0.390 | 0.439 |

Table D6. Estimation Results of Impact of School Corporation Size on Share of Students Who Passed the IREAD During 3rd Grade ${ }^{* * *} p<0.01,{ }^{* *} p<0.05,{ }^{*} p<0.1$


Table D7. Estimation Results of Impact of School Corporation Size on Share of High School Graduates Who Graduated with a Waiver *** $p<0.01,{ }^{* *} p<0.05,{ }^{*} p<0.1$

|  | Overall | Enrollment < 1,000 | Enrollment < 2,000 | Enrollment < 4,000 | Enrollment < 8,000 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Variables | (1) Coefficient [Std. Error] | (2) Coefficient [Std. Error] | (3) Coefficient [Std. Error] | (4) Coefficient [Std. Error] | (5) Coefficient [Std. Error] |
| Constant | $-0.177^{*}$ [0.107] | 3.518 [3.368] | -0.221 [0.170] | $-0.290^{* * *}[0.101]$ | -0.172* [0.102] |
| Ln of school corporation K-12 enrollment | 0.005 [0.010] | $-0.121^{* *}[0.058]$ | -0.009 [0.026] | 0.006 [0.016] | 0.000 [0.012] |
| Share of students in free and reduced price lunch program in school corporation | 0.219*** [0.060] | 0.187 [0.125] | $0.2322^{* *}[0.093]$ | 0.237*** [0.075] | 0.220*** [0.067] |
| Share of English lang. learners in school corp | -0.112 [0.130] | -0.817 [1.103] | -0.455 [0.276] | -0.200 [0.184] | -0.164 [0.129] |
| Share of special ed. students in school corp | $0.422^{* *}$ [0.203] | -0.093 [0.432] | $0.523 * *[0.241]$ | $0.445^{* *}$ [0.217] | $0.435^{* *}$ [0.210] |
| Share of African Am. students in school corp | 0.139 [0.109] | -5.738 [4.938] | -0.075 [0.187] | $0.352^{*}$ [0.198] | 0.103 [0.110] |
| Share of White students in school corp | 0.091 [0.089] | -2.679 [3.338] | $0.191^{* * *}$ [0.036] | 0.175*** [0.035] | 0.117 [0.077] |
| Share of Asian students in school corp | -0.066 [0.211] | -3.143 [6.810] | 1.944 [1.651] | 0.341 [0.209] | 0.196 [0.260] |
| Share of multiracial students in school corp | 0.589* [0.346] | -1.542 [3.772] | 1.148** [0.502] | 0.908** [0.399] | $0.750^{* *}[0.353]$ |
| Share of Hispanic students in school corp | 0.181 [0.114] | -2.437 [3.316] | $0.417^{* * *}$ [0.096] | $0.274 * * *[0.091]$ | $0.228^{* *}$ [0.103] |
| Enrollment growth since 2019 | 0.113* [0.060] | 0.315 [0.256] | 0.019 [0.141] | 0.144*** [0.050] | $0.128^{* *}[0.056]$ |
| Observations | 285 | 56 | 158 | 218 | 254 |
| Adj. R-squared | 0.209 | 0.228 | 0.170 | 0.215 | 0.195 |

Table D8. Estimation Results of Impact of School Corporation Size on Share of High School Graduates Who Filed the FAFSA
${ }^{* * *} p<0.01,{ }^{* *} p<0.05,{ }^{*} p<0.1$

|  | Overall | Enrollment < 1,000 | Enrollment < 2,000 | Enrollment < 4,000 | Enrollment < 8,000 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Variables | (1) Coefficient [Std. Error] | (2) Coefficient [Std. Error] | (3) Coefficient [Std. Error] | (4) Coefficient [Std. Error] | (5) Coefficient [Std. Error] |
| Constant | $0.962^{* * *}$ [0.073] | -9.200** [3.514] | $0.834^{* * *}$ [0.115] | $1.068^{* * *}$ [0.106] | 0.985*** [0.086] |
| Ln of school corporation K-12 enrollment | -0.014 [0.009] | 0.070 [0.043] | 0.007 [0.018] | $-0.025^{*}[0.013]$ | $-0.020 *[0.010]$ |
| Share of students in free and reduced price lunch program in school corporation | $-0.257^{* * *}[0.046]$ | -0.068 [0.090] | $-0.165^{* *}[0.065]$ | $-0.205^{* * *}[0.053]$ | $-0.232^{* * *}[0.050]$ |
| Share of English lang. learners in school corp | 0.069 [0.189] | 1.076* [0.638] | 0.273 [0.340] | 0.091 [0.251] | 0.025 [0.208] |
| Share of special ed. students in school corp | $-0.385^{* *}[0.178]$ | -0.526 [0.419] | $-0.600 * *[0.238]$ | $-0.476 * *[0.190]$ | $-0.382 * *[0.182]$ |
| Share of African Am. students in school corp | $-0.227^{* * *}[0.064]$ | 8.763** [3.987] | -0.230 [0.211] | -0.198 [0.184] | $-0.230 * * *[0.083]$ |
| Share of White students in school corp | $-0.187^{* * *}[0.029]$ | 9.406*** [3.450] | $-0.196^{* * *}[0.048]$ | $-0.215^{* * *}[0.034]$ | $-0.181^{* * *}[0.034]$ |
| Share of Asian students in school corp | 0.250 [0.174] | 9.560 [5.813] | 2.933 [2.019] | 0.488 [0.329] | 0.508 [0.331] |
| Share of multiracial students in school corp | -0.294 [0.333] | 8.823** [3.804] | -0.755 [0.671] | -0.669 [0.457] | -0.295 [0.358] |
| Share of Hispanic students in school corp | $-0.324^{* * *}[0.110]$ | 8.696** [3.531] | $-0.436^{* *}[0.202]$ | $-0.355^{* *}[0.146]$ | $-0.289^{* *}[0.124]$ |
| Enrollment growth since 2019 | -0.053 [0.039] | -0.167 [0.138] | 0.112 [0.133] | -0.012 [0.047] | -0.048 [0.040] |
| Observations | 285 | 54 | 156 | 216 | 254 |
| Adj. R-squared | 0.267 | 0.154 | 0.171 | 0.162 | 0.224 |

Table D9. Estimation Results of Impact of School Corporation Size on Share of High School Students Who Plan to Attend College
${ }^{* * *} p<0.01,{ }^{* *} p<0.05,{ }^{*} p<0.1$

|  | Overall | Enrollment < 1,000 | Enrollment < 2,000 | Enrollment < 4,000 | Enrollment < 8,000 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Variables | (1) Coefficient [Std. Error] | (2) Coefficient [Std. Error] | (3) Coefficient [Std. Error] | (4) Coefficient [Std. Error] | (5) Coefficient [Std. Error] |
| Constant | -2.327 [2.475] | 2.140 [3.879] | -3.336 [2.773] | -2.418 [2.573] | -2.394 [2.585] |
| Ln of school corporation K-12 enrollment | 0.008 [0.009] | $0.178^{* * *}[0.047]$ | $0.046 * *[0.020]$ | 0.016 [0.014] | 0.007 [0.011] |
| Share of students in free and reduced price lunch program in school corporation | $-0.394^{* * *}[0.049]$ | 0.062 [0.147] | $-0.291^{* * *}[0.075]$ | $-0.362^{* * *}[0.060]$ | $-0.362^{* * *}[0.054]$ |
| Share of English lang. learners in school corp | $-0.462^{* * *}[0.161]$ | -1.653 [1.002] | -0.447 [0.355] | $-0.379^{* *}[0.184]$ | $-0.449^{* * *}[0.171]$ |
| Share of special ed. students in school corp | $-0.421^{* *}$ [0.164] | -0.104 [0.317] | -0.621*** [0.205] | -0.540*** [0.180] | $-0.436^{* * *}[0.167]$ |
| Share of African Am. students in school corp | 3.155 [2.469] | -2.162 [4.415] | 3.933 [2.776] | 3.163 [2.583] | 3.178 [2.585] |
| Share of White students in school corp | 3.083 [2.477] | -2.737 [3.995] | 3.822 [2.777] | 3.123 [2.587] | 3.144 [2.592] |
| Share of Asian students in school corp | 3.723 [2.475] | -1.182 [5.610] | 5.112 [3.472] | 4.181 [2.584] | 4.087 [2.587] |
| Share of multiracial students in school corp | 2.922 [2.517] | -5.311 [3.890] | 3.310 [2.839] | 2.761 [2.633] | 2.888 [2.635] |
| Share of Hispanic students in school corp | 3.258 [2.474] | -1.969 [4.116] | 3.948 [2.782] | 3.278 [2.585] | 3.318 [2.591] |
|  |  |  |  |  |  |
| Observations | 289 | 54 | 160 | 220 | 258 |
| Adj. R-squared | 0.460 | 0.396 | 0.299 | 0.379 | 0.420 |

