Appendix Table 1: National Longitudinal Survey of Youth (NLSY79) Summary Statistics

| | Full Sample | White | Black | Hispanic |
|---|---|---|---|---|
| White | 0.495 (0.500) | – | – | – |
| Black | 0.303 (0.460) | – | – | – |
| Hispanic | 0.201 (0.401) | – | – | – |
| Female | 0.488 (0.500) | 0.475 (0.500) | 0.492 (0.500) | 0.512 (0.500) |
| Age | 43.080 (0.802) | 43.082 (0.811) | 43.087 (0.803) | 43.067 (0.780) |
| Wage (dollars per hour) | 20.079 (14.267) | 22.397 (15.623) | 16.450 (11.117) | 19.462 (13.561) |
| Invalid or missing wage | 0.431 (0.495) | 0.411 (0.492) | 0.447 (0.497) | 0.456 (0.498) |
| Unemployed | 0.038 (0.191) | 0.022 (0.146) | 0.059 (0.235) | 0.046 (0.210) |
| Ever incarcerated | 0.075 (0.263) | 0.044 (0.206) | 0.115 (0.320) | 0.090 (0.286) |
| Physical component score | −0.010 (1.014) | 0.061 (0.970) | −0.134 (1.117) | 0.007 (0.933) |
| Family income (units of $10k) | 16.351 (12.300) | 20.691 (13.124) | 11.332 (9.377) | 13.475 (10.259) |
| Mother: high school graduate | 0.558 (0.497) | 0.728 (0.445) | 0.457 (0.498) | 0.280 (0.449) |
| Mother: college graduate | 0.076 (0.265) | 0.109 (0.311) | 0.049 (0.217) | 0.033 (0.179) |
| Father: high school graduate | 0.586 (0.493) | 0.712 (0.453) | 0.489 (0.500) | 0.362 (0.481) |
| Father: college graduate | 0.137 (0.343) | 0.196 (0.397) | 0.063 (0.243) | 0.070 (0.256) |
| Mother: professional occupation | 0.084 (0.277) | 0.102 (0.303) | 0.073 (0.260) | 0.055 (0.228) |
| Father: professional occupation | 0.227 (0.419) | 0.311 (0.463) | 0.084 (0.277) | 0.122 (0.328) |
| Mother: works 35+ hours per week | 0.405 (0.491) | 0.403 (0.491) | 0.444 (0.497) | 0.352 (0.478) |
| Number of siblings | 3.710 (2.580) | 2.948 (1.955) | 4.521 (2.923) | 4.367 (2.822) |
| No reading materials | 0.110 (0.312) | 0.036 (0.186) | 0.174 (0.379) | 0.195 (0.396) |
| Numerous reading materials | 0.391 (0.488) | 0.544 (0.498) | 0.230 (0.421) | 0.254 (0.436) |
| Student/teacher ratio | 19.729 (7.850) | 19.011 (4.494) | 20.161 (9.146) | 21.260 (12.271) |
| Disadvantaged student ratio | 25.000 (24.310) | 16.485 (17.204) | 37.192 (27.773) | 32.364 (26.776) |
| Dropout rate | 19.138 (25.557) | 15.504 (24.214) | 23.435 (27.284) | 23.918 (25.111) |
| Teacher turnover rate | 6.937 (8.317) | 6.508 (7.584) | 6.957 (8.247) | 8.241 (10.261) |
| Private school | 0.052 (0.222) | 0.065 (0.247) | 0.031 (0.172) | 0.050 (0.218) |
| Percentage black in school faculty | 11.902 (19.550) | 4.267 (8.974) | 31.625 (25.554) | 5.705 (10.068) |
| Std. AFQT score | -0.000 (0.961) | 0.456 (0.879) | -0.555 (0.769) | -0.283 (0.859) |
| Missing AFQT score | 0.050 (0.218) | 0.050 (0.218) | 0.039 (0.194) | 0.068 (0.252) |
| Missing income | 0.040 (0.195) | 0.051 (0.221) | 0.032 (0.177) | 0.022 (0.146) |
| Missing mother's education | 0.064 (0.245) | 0.048 (0.213) | 0.087 (0.281) | 0.072 (0.258) |
| Missing father's education | 0.157 (0.364) | 0.076 (0.266) | 0.274 (0.446) | 0.181 (0.385) |
| Missing mother's occupation | 0.477 (0.500) | 0.470 (0.499) | 0.444 (0.497) | 0.544 (0.498) |
| Missing father's occupation | 0.338 (0.473) | 0.205 (0.404) | 0.533 (0.499) | 0.373 (0.484) |
| Missing mother work hours | 0.029 (0.167) | 0.026 (0.159) | 0.036 (0.186) | 0.026 (0.158) |
| Missing reading materials information | 0.006 (0.080) | 0.004 (0.064) | 0.006 (0.077) | 0.013 (0.113) |
| Missing student/teacher ratio | 0.363 (0.481) | 0.296 (0.457) | 0.428 (0.495) | 0.430 (0.495) |
| Missing disadvantaged student ratio | 0.429 (0.495) | 0.371 (0.483) | 0.492 (0.500) | 0.476 (0.500) |
| Missing dropout rate | 0.362 (0.481) | 0.289 (0.453) | 0.423 (0.494) | 0.451 (0.498) |
| Missing teacher turnover rate | 0.343 (0.475) | 0.262 (0.440) | 0.424 (0.494) | 0.416 (0.493) |
| Missing percentage black in school faculty | 0.333 (0.471) | 0.261 (0.440) | 0.407 (0.492) | 0.397 (0.490) |
| Obs. | 3883 | 1924 | 1178 | 781 |

Appendix Table 2: National Longitudinal Survey of Youth 1997 (NLSY97) Summary Statistics

|  | All Races | White | Black | Hispanic | Mixed Race |
|---|---|---|---|---|---|
| White | 0.519 (0.500) | – | – | – | – |
| Black | 0.260 (0.439) | – | – | – | – |
| Hispanic | 0.212 (0.408) | – | – | – | – |
| Mixed race | 0.009 (0.096) | – | – | – | – |
| Male | 0.512 (0.500) | 0.517 (0.500) | 0.501 (0.500) | 0.514 (0.500) | 0.482 (0.503) |
| Age | 24.861 (1.442) | 24.850 (1.437) | 24.904 (1.446) | 24.837 (1.447) | 24.843 (1.444) |
| AFQT (standardized) | 0.000 (1.000) | 0.381 (0.947) | −0.570 (0.816) | −0.337 (0.882) | 0.309 (1.009) |
| Missing AFQT score | 0.210 (0.408) | 0.173 (0.379) | 0.226 (0.418) | 0.285 (0.451) | 0.169 (0.377) |
| Wage (dollars per hour) | 14.994 (10.201) | 15.843 (10.553) | 13.306 (9.427) | 14.829 (9.902) | 15.461 (11.050) |
| Invalid or missing wage | 0.278 (0.448) | 0.267 (0.442) | 0.316 (0.465) | 0.258 (0.438) | 0.337 (0.476) |
| Unemployed | 0.066 (0.249) | 0.045 (0.208) | 0.111 (0.315) | 0.062 (0.240) | 0.084 (0.280) |
| Ever incarcerated | 0.077 (0.266) | 0.059 (0.235) | 0.107 (0.310) | 0.082 (0.274) | 0.108 (0.313) |
| Obs. | 8984 | 4665 | 2335 | 1901 | 83 |

Appendix Table 3: College & Beyond, 1976 Summary Statistics

| | All Races | White | Black | Hispanic | Other |
|---|---|---|---|---|---|
| White | 0.828 (0.377) | – | – | – | – |
| Black | 0.055 (0.229) | – | – | – | – |
| Hispanic | 0.017 (0.128) | – | – | – | – |
| Other race | 0.029 (0.169) | – | – | – | – |
| Missing race | 0.070 (0.256) | – | – | – | – |
| Male | 0.520 (0.500) | 0.540 (0.498) | 0.440 (0.497) | 0.590 (0.492) | 0.527 (0.500) |
| SAT | 1175.890 (169.458) | 1193.165 (157.052) | 968.985 (181.716) | 1077.122 (179.830) | 1181.394 (172.493) |
| Annual income (units of $10K) | 7.720 (6.309) | 7.918 (6.442) | 6.298 (4.730) | 7.753 (6.368) | 9.298 (6.787) |
| Unemployed | 0.001 (0.034) | 0.001 (0.035) | 0.001 (0.033) | 0.000 (0.000) | 0.000 (0.000) |
| Out of labor force | 0.046 (0.209) | 0.050 (0.218) | 0.011 (0.103) | 0.041 (0.198) | 0.032 (0.177) |
| Missing SAT score | 0.080 (0.272) | 0.040 (0.196) | 0.042 (0.200) | 0.039 (0.194) | 0.062 (0.242) |
| Missing income | 0.376 (0.484) | 0.370 (0.483) | 0.432 (0.495) | 0.488 (0.500) | 0.438 (0.496) |
| Obs. | 33778 | 27975 | 1871 | 561 | 994 |

Appendix Table 4: Early Childhood Longitudinal Study – Birth Cohort (ECLS-B) Summary Statistics

| | Full Sample | White | Black | Hispanic | Asian | Other |
|---|---|---|---|---|---|---|
| White | 0.562 (0.496) | – | – | – | – | – |
| Black | 0.142 (0.349) | – | – | – | – | – |
| Hispanic | 0.225 (0.418) | – | – | – | – | – |
| Asian | 0.026 (0.159) | – | – | – | – | – |
| Other race | 0.045 (0.208) | – | – | – | – | – |
| BSF-R score (9 months) | 0.000 (1.000) | 0.018 (0.965) | −0.058 (0.894) | −0.006 (0.885) | −0.008 (0.990) | −0.005 (1.094) |
| BSF-R score (2 years) | 0.000 (1.000) | 0.163 (0.915) | −0.230 (0.907) | −0.238 (0.866) | −0.075 (1.020) | −0.066 (1.210) |
| IRT literacy score (4 years) | 0.000 (1.000) | 0.087 (0.949) | −0.108 (0.900) | −0.206 (0.827) | 0.530 (1.106) | −0.017 (1.295) |
| IRT math score (4 years) | 0.000 (1.000) | 0.120 (0.897) | −0.217 (0.939) | −0.191 (0.917) | 0.417 (0.936) | −0.093 (1.374) |
| Age in first wave (in months) | 10.430 (1.791) | 10.414 (1.790) | 10.393 (1.781) | 10.473 (1.807) | 10.507 (1.745) | 10.488 (1.789) |
| Age in second wave (in months) | 24.296 (0.809) | 24.275 (0.770) | 24.277 (0.857) | 24.361 (0.875) | 24.319 (0.794) | 24.281 (0.768) |
| Age in third wave (in months) | 52.597 (3.773) | 52.301 (3.652) | 52.392 (3.875) | 53.445 (3.838) | 53.092 (3.872) | 52.409 (3.890) |
| Female | 0.495 (0.500) | 0.497 (0.500) | 0.482 (0.500) | 0.494 (0.500) | 0.495 (0.500) | 0.510 (0.500) |
| Northest | 0.175 (0.380) | 0.183 (0.387) | 0.166 (0.372) | 0.164 (0.370) | 0.213 (0.410) | 0.133 (0.340) |
| Midwest | 0.227 (0.419) | 0.281 (0.450) | 0.199 (0.399) | 0.105 (0.307) | 0.159 (0.366) | 0.279 (0.449) |
| South | 0.364 (0.481) | 0.353 (0.478) | 0.557 (0.497) | 0.306 (0.461) | 0.204 (0.403) | 0.281 (0.450) |
| West | 0.234 (0.424) | 0.183 (0.387) | 0.079 (0.269) | 0.425 (0.495) | 0.424 (0.495) | 0.307 (0.462) |
| Socioeconomic status quintile: 1 | 0.174 (0.379) | 0.081 (0.273) | 0.338 (0.473) | 0.311 (0.463) | 0.078 (0.268) | 0.184 (0.388) |
| Socioeconomic status quintile: 2 | 0.201 (0.401) | 0.157 (0.364) | 0.239 (0.427) | 0.278 (0.448) | 0.124 (0.330) | 0.284 (0.451) |
| Socioeconomic status quintile: 3 | 0.203 (0.402) | 0.205 (0.404) | 0.212 (0.409) | 0.203 (0.403) | 0.138 (0.345) | 0.183 (0.387) |
| Socioeconomic status quintile: 4 | 0.214 (0.410) | 0.269 (0.443) | 0.134 (0.340) | 0.138 (0.345) | 0.159 (0.366) | 0.201 (0.401) |
| Socioeconomic status quintile: 5 | 0.208 (0.406) | 0.287 (0.453) | 0.078 (0.268) | 0.069 (0.254) | 0.502 (0.500) | 0.147 (0.354) |
| Number of siblings | 0.982 (1.085) | 0.950 (1.020) | 1.120 (1.193) | 1.001 (1.166) | 0.778 (0.970) | 0.971 (1.103) |
| Both biological parents | 0.787 (0.409) | 0.883 (0.322) | 0.415 (0.493) | 0.778 (0.415) | 0.936 (0.245) | 0.730 (0.444) |
| One biological parent | 0.195 (0.396) | 0.096 (0.294) | 0.577 (0.494) | 0.204 (0.403) | 0.061 (0.240) | 0.255 (0.436) |
| One biological parent & one non-biological parent | 0.012 (0.111) | 0.016 (0.125) | 0.005 (0.073) | 0.010 (0.099) | 0.001 (0.032) | 0.009 (0.095) |
| Other parental configuration | 0.006 (0.075) | 0.006 (0.075) | 0.003 (0.050) | 0.008 (0.090) | 0.002 (0.044) | 0.006 (0.077) |
| Mother's age | 27.354 (6.189) | 28.366 (6.016) | 25.041 (6.136) | 26.116 (6.081) | 29.951 (5.350) | 26.679 (6.141) |
| Parent as teacher score | 34.805 (4.477) | 35.423 (4.447) | 33.891 (4.432) | 33.795 (4.347) | 34.531 (4.377) | 34.647 (4.305) |
| Birthweight: less than 1,500 grams | 0.012 (0.109) | 0.010 (0.097) | 0.024 (0.152) | 0.011 (0.105) | 0.005 (0.074) | 0.016 (0.126) |
| Birthweight: 1,500 - 2,500 grams | 0.062 (0.240) | 0.054 (0.227) | 0.098 (0.297) | 0.057 (0.232) | 0.057 (0.233) | 0.065 (0.247) |
| Birthweight: 2,500 - 3,500 grams | 0.542 (0.498) | 0.517 (0.500) | 0.601 (0.490) | 0.550 (0.498) | 0.702 (0.458) | 0.531 (0.499) |
| Birthweight: more than 3,500 grams | 0.384 (0.486) | 0.419 (0.493) | 0.277 (0.448) | 0.382 (0.486) | 0.235 (0.424) | 0.387 (0.487) |
| Percent premature | 0.116 (0.320) | 0.098 (0.297) | 0.177 (0.382) | 0.113 (0.317) | 0.095 (0.293) | 0.171 (0.377) |
| Days premature (if premature) | 21.180 (18.193) | 20.830 (17.483) | 22.819 (19.901) | 20.636 (17.301) | 15.740 (14.046) | 21.801 (20.843) |
| Single birth | 0.968 (0.175) | 0.963 (0.189) | 0.970 (0.170) | 0.979 (0.145) | 0.985 (0.122) | 0.969 (0.174) |
| Twin birth | 0.030 (0.170) | 0.034 (0.182) | 0.029 (0.167) | 0.021 (0.143) | 0.015 (0.122) | 0.031 (0.173) |
| Triplet or higher order birth | 0.002 (0.043) | 0.003 (0.053) | 0.001 (0.034) | 0.001 (0.023) | 0.000 (0.000) | 0.000 (0.019) |
| Missing mother's age | 0.002 (0.043) | 0.000 (0.016) | 0.000 (0.014) | 0.002 (0.040) | 0.000 (0.000) | 0.030 (0.169) |
| Missing parent as teacher score | 0.141 (0.348) | 0.118 (0.323) | 0.155 (0.362) | 0.188 (0.391) | 0.193 (0.395) | 0.115 (0.320) |
| Missing birthweight | 0.002 (0.042) | 0.001 (0.034) | 0.005 (0.073) | 0.001 (0.028) | 0.000 (0.000) | 0.005 (0.069) |
| Missing amount premature | 0.013 (0.113) | 0.008 (0.087) | 0.005 (0.074) | 0.026 (0.159) | 0.020 (0.139) | 0.036 (0.187) |
| Missing number of children in birth | 0.002 (0.043) | 0.000 (0.016) | 0.000 (0.014) | 0.002 (0.040) | 0.000 (0.000) | 0.030 (0.169) |
| Obs. | 7468 | 3418 | 1160 | 1328 | 727 | 835 |

Appendix Table 5: Collaborative Perinatal Project (CPP) Summary Statistics

| | Full Sample | White | Black | Hispanic | Other |
|---|---|---|---|---|---|
| White | 0.461 (0.498) | – | – | – | – |
| Black | 0.504 (0.500) | – | – | – | – |
| Hispanic | 0.029 (0.167) | – | – | – | – |
| Other race | 0.007 (0.084) | – | – | – | – |
| Mental function composite score (8 months) | 0.000 (1.000) | 0.044 (0.925) | -0.051 (1.060) | 0.227 (0.925) | -0.127 (1.292) |
| Mental function composite score (4 years) | 0.000 (1.000) | 0.424 (1.000) | -0.361 (0.843) | -0.471 (0.814) | -0.019 (1.033) |
| Mental function composite score (7 years) | 0.000 (1.000) | 0.457 (0.957) | -0.397 (0.857) | -0.389 (0.840) | 0.112 (1.092) |
| < 7.5 months | 0.006 (0.080) | 0.004 (0.065) | 0.008 (0.091) | 0.006 (0.075) | 0.004 (0.067) |
| 7.5 - 8.5 months | 0.835 (0.371) | 0.811 (0.392) | 0.856 (0.351) | 0.856 (0.351) | 0.807 (0.395) |
| 8.5 - 9 months | 0.087 (0.281) | 0.105 (0.306) | 0.070 (0.256) | 0.081 (0.273) | 0.090 (0.286) |
| 9 - 10 months | 0.066 (0.248) | 0.074 (0.262) | 0.059 (0.236) | 0.053 (0.224) | 0.076 (0.266) |
| > 10 months | 0.006 (0.079) | 0.006 (0.080) | 0.006 (0.078) | 0.004 (0.067) | 0.022 (0.148) |
| Age in second wave (in months) | 48.216 (1.422) | 48.389 (1.302) | 48.035 (1.491) | 48.497 (1.578) | 48.655 (1.462) |
| Age in third wave (in months) | 84.314 (2.493) | 84.335 (2.042) | 84.286 (2.802) | 84.446 (3.256) | 84.489 (2.209) |
| Female | 0.501 (0.500) | 0.495 (0.500) | 0.508 (0.500) | 0.489 (0.500) | 0.507 (0.501) |
| Father: high school dropout | 0.502 (0.500) | 0.396 (0.489) | 0.613 (0.487) | 0.781 (0.417) | 0.500 (0.503) |
| Father: high school graduate | 0.314 (0.464) | 0.308 (0.462) | 0.324 (0.468) | 0.188 (0.393) | 0.224 (0.419) |
| Father: some college | 0.090 (0.287) | 0.127 (0.333) | 0.053 (0.224) | 0.016 (0.125) | 0.031 (0.173) |
| Father: at least college degree | 0.094 (0.291) | 0.169 (0.375) | 0.011 (0.104) | 0.016 (0.125) | 0.245 (0.432) |
| Father: no occupation | 0.004 (0.062) | 0.001 (0.036) | 0.007 (0.082) | 0.000 (0.000) | 0.000 (0.000) |
| Father: professional occupation | 0.171 (0.376) | 0.269 (0.444) | 0.065 (0.247) | 0.036 (0.189) | 0.245 (0.432) |
| Father: non-professional occupation | 0.825 (0.380) | 0.730 (0.444) | 0.928 (0.258) | 0.964 (0.189) | 0.755 (0.432) |
| Mother: high school dropout | 0.555 (0.497) | 0.423 (0.494) | 0.678 (0.467) | 0.918 (0.277) | 0.625 (0.486) |
| Mother: high school graduate | 0.323 (0.468) | 0.371 (0.483) | 0.282 (0.450) | 0.055 (0.229) | 0.175 (0.382) |
| Mother: some college | 0.072 (0.259) | 0.111 (0.314) | 0.035 (0.184) | 0.014 (0.117) | 0.075 (0.264) |
| Mother: at least college degree | 0.050 (0.218) | 0.095 (0.294) | 0.005 (0.069) | 0.014 (0.117) | 0.125 (0.332) |
| Mother: no occupation | 0.133 (0.340) | 0.057 (0.232) | 0.205 (0.404) | 0.301 (0.462) | 0.183 (0.389) |
| Mother: professional occupation | 0.074 (0.262) | 0.130 (0.336) | 0.021 (0.142) | 0.000 (0.000) | 0.108 (0.312) |
| Mother: non-professional occupation | 0.792 (0.406) | 0.813 (0.390) | 0.774 (0.418) | 0.699 (0.462) | 0.708 (0.456) |
| Income: < $500 | 0.157 (0.363) | 0.081 (0.273) | 0.230 (0.421) | 0.186 (0.392) | 0.196 (0.399) |
| Income: $500 - 999 | 0.379 (0.485) | 0.262 (0.440) | 0.492 (0.500) | 0.600 (0.493) | 0.473 (0.502) |
| Income: $1000 - 1499 | 0.238 (0.426) | 0.292 (0.455) | 0.185 (0.388) | 0.157 (0.367) | 0.196 (0.399) |
| Income: $1500 - 1999 | 0.120 (0.325) | 0.183 (0.387) | 0.059 (0.236) | 0.029 (0.168) | 0.107 (0.311) |
| Income: $2000 - 2499 | 0.057 (0.232) | 0.094 (0.292) | 0.022 (0.146) | 0.014 (0.120) | 0.018 (0.133) |
| Income: > $2500 | 0.049 (0.217) | 0.088 (0.284) | 0.012 (0.109) | 0.014 (0.120) | 0.009 (0.094) |

Appendix Table 5: Collaborative Perinatal Project (CPP) Summary Statistics (ctd.)

|  | Full Sample | White | Black | Hispanic | Other |
|---|---|---|---|---|---|
| Number of siblings | 2.812 (2.231) | 2.422 (1.783) | 3.182 (2.526) | 2.863 (2.742) | 2.724 (2.069) |
| Both biological parents | 0.729 (0.445) | 0.851 (0.356) | 0.583 (0.493) | 0.875 (0.342) | 0.639 (0.484) |
| Mother's age | 30.049 (7.033) | 30.836 (6.469) | 29.287 (7.510) | 27.625 (5.414) | 31.203 (6.328) |
| Mother reaction: negative | 0.046 (0.210) | 0.060 (0.237) | 0.035 (0.183) | 0.012 (0.108) | 0.112 (0.316) |
| Mother reaction: indifferent | 0.256 (0.437) | 0.254 (0.435) | 0.265 (0.442) | 0.120 (0.325) | 0.293 (0.456) |
| Mother reaction: accepting | 0.997 (0.051) | 0.997 (0.059) | 0.998 (0.044) | 0.999 (0.034) | 1.000 (0.000) |
| Mother reaction: attentive | 0.190 (0.393) | 0.205 (0.404) | 0.182 (0.386) | 0.106 (0.308) | 0.209 (0.408) |
| Mother reaction: over-caring | 0.032 (0.176) | 0.040 (0.195) | 0.026 (0.158) | 0.015 (0.123) | 0.065 (0.247) |
| Mother reaction: other | 0.002 (0.049) | 0.004 (0.062) | 0.001 (0.034) | 0.000 (0.000) | 0.005 (0.068) |
| Birthweight: less than 1,500 grams | 0.007 (0.086) | 0.005 (0.069) | 0.010 (0.101) | 0.001 (0.037) | 0.000 (0.000) |
| Birthweight: 1,500 - 2,500 grams | 0.099 (0.299) | 0.070 (0.256) | 0.127 (0.333) | 0.087 (0.282) | 0.078 (0.269) |
| Birthweight: 2,500 - 3,500 grams | 0.657 (0.475) | 0.617 (0.486) | 0.693 (0.461) | 0.700 (0.459) | 0.620 (0.487) |
| Birthweight: more than 3,500 grams | 0.237 (0.425) | 0.308 (0.462) | 0.170 (0.375) | 0.212 (0.409) | 0.302 (0.460) |
| Weeks premature (if premature) | 5.579 (6.448) | 5.894 (6.847) | 5.335 (6.085) | 5.128 (5.809) | 8.684 (11.000) |
| Single birth | 0.982 (0.133) | 0.983 (0.130) | 0.981 (0.136) | 0.988 (0.111) | 0.969 (0.175) |
| Twin birth | 0.017 (0.131) | 0.017 (0.128) | 0.018 (0.134) | 0.012 (0.111) | 0.018 (0.133) |
| Triplet or higher order birth | 0.001 (0.023) | 0.000 (0.022) | 0.000 (0.020) | 0.000 (0.000) | 0.013 (0.115) |
| Missing father's education | 0.566 (0.496) | 0.517 (0.500) | 0.590 (0.492) | 0.928 (0.258) | 0.561 (0.497) |
| Missing father's occupation | 0.559 (0.497) | 0.510 (0.500) | 0.583 (0.493) | 0.938 (0.241) | 0.507 (0.501) |
| Missing mother's education | 0.521 (0.500) | 0.494 (0.500) | 0.524 (0.499) | 0.918 (0.274) | 0.462 (0.500) |
| Missing mother's occupation | 0.519 (0.500) | 0.492 (0.500) | 0.522 (0.500) | 0.918 (0.274) | 0.462 (0.500) |
| Missing income | 0.532 (0.499) | 0.501 (0.500) | 0.539 (0.498) | 0.921 (0.269) | 0.498 (0.501) |
| Missing siblings | 0.708 (0.455) | 0.696 (0.460) | 0.706 (0.456) | 0.943 (0.232) | 0.659 (0.475) |
| Missing parental configuration | 0.707 (0.455) | 0.657 (0.475) | 0.738 (0.440) | 0.982 (0.133) | 0.677 (0.469) |
| Missing mother's age | 0.450 (0.498) | 0.410 (0.492) | 0.467 (0.499) | 0.802 (0.398) | 0.471 (0.500) |
| Missing mother's reaction | 0.015 (0.120) | 0.014 (0.118) | 0.013 (0.113) | 0.048 (0.214) | 0.036 (0.186) |
| Missing birthweight | 0.106 (0.308) | 0.091 (0.288) | 0.115 (0.319) | 0.174 (0.379) | 0.139 (0.347) |
| Missing amount premature | 0.381 (0.486) | 0.381 (0.486) | 0.369 (0.483) | 0.590 (0.492) | 0.323 (0.469) |
| Missing birth number | 0.011 (0.103) | 0.003 (0.055) | 0.018 (0.133) | 0.003 (0.058) | 0.000 (0.000) |
| Obs. | 31116 | 14335 | 15667 | 891 | 223 |

Appendix Table 6: Early Childhood Longitudinal Study – Kindergarten Cohort (ECLS-K) Summary Statistics

| | Full Sample | White | Black | Hispanic | Asian | Other |
|---|---|---|---|---|---|---|
| White | 0.576 (0.494) | – | – | – | – | – |
| Black | 0.172 (0.378) | – | – | – | – | – |
| Hispanic | 0.181 (0.385) | – | – | – | – | – |
| Asian | 0.029 (0.167) | – | – | – | – | – |
| Other race | 0.042 (0.200) | – | – | – | – | – |
| Std. math score, fall kindergarten | -0.001 (0.998) | 0.152 (1.086) | -0.242 (0.662) | -0.275 (0.656) | 0.258 (1.123) | -0.081 (0.996) |
| Std. math score, spring 1st grade | 0.000 (1.000) | 0.141 (1.025) | -0.298 (0.832) | -0.172 (0.721) | 0.158 (1.003) | -0.074 (0.899) |
| Std. math score, spring 3rd grade | -0.001 (1.000) | 0.148 (0.979) | -0.351 (0.823) | -0.144 (0.753) | 0.192 (1.107) | -0.090 (0.836) |
| Std. math score, spring 5th grade | 0.000 (1.001) | 0.145 (0.968) | -0.395 (0.825) | -0.108 (0.722) | 0.285 (0.911) | -0.070 (0.904) |
| Std. math score, spring 8th grade | -0.001 (1.000) | 0.139 (0.942) | -0.383 (0.855) | -0.101 (0.738) | 0.277 (1.043) | -0.067 (0.969) |
| Std. reading score, fall kindergarten | -0.002 (0.993) | 0.080 (1.063) | -0.166 (0.732) | -0.188 (0.694) | 0.274 (1.044) | -0.096 (1.192) |
| Std. reading score, spring 1st grade | -0.001 (0.999) | 0.070 (1.032) | -0.199 (0.817) | -0.089 (0.868) | 0.269 (0.709) | -0.093 (0.933) |
| Std. reading score, spring 3rd grade | 0.000 (0.998) | 0.104 (0.977) | -0.286 (0.867) | -0.095 (0.884) | 0.146 (0.724) | -0.112 (0.900) |
| Std. reading score, spring 5th grade | 0.000 (1.000) | 0.113 (0.972) | -0.341 (0.834) | -0.076 (0.828) | 0.174 (0.601) | -0.075 (0.921) |
| Std. reading score, spring 8th grade | 0.000 (0.999) | 0.120 (0.939) | -0.383 (0.900) | -0.063 (0.795) | 0.202 (0.684) | -0.049 (0.792) |
| Missing math score | 0.020 (0.141) | 0.012 (0.110) | 0.010 (0.102) | 0.024 (0.153) | 0.198 (0.399) | 0.031 (0.174) |
| Missing reading score | 0.095 (0.294) | 0.026 (0.160) | 0.053 (0.224) | 0.347 (0.476) | 0.200 (0.401) | 0.056 (0.230) |
| Male | 0.518 (0.500) | 0.522 (0.500) | 0.536 (0.499) | 0.505 (0.500) | 0.420 (0.494) | 0.502 (0.501) |
| Socioeconomic status (standardized) | -0.001 (0.577) | 0.174 (0.531) | -0.291 (0.546) | -0.318 (0.478) | 0.292 (0.617) | -0.055 (0.607) |
| Socioeconomic status quintile: 1 | 0.180 (0.384) | 0.073 (0.260) | 0.300 (0.458) | 0.417 (0.493) | 0.158 (0.365) | 0.167 (0.374) |
| Socioeconomic status quintile: 2 | 0.196 (0.397) | 0.176 (0.381) | 0.264 (0.441) | 0.209 (0.407) | 0.130 (0.337) | 0.189 (0.392) |
| Socioeconomic status quintile: 3 | 0.197 (0.398) | 0.197 (0.397) | 0.241 (0.428) | 0.154 (0.361) | 0.149 (0.356) | 0.246 (0.431) |
| Socioeconomic status quintile: 4 | 0.210 (0.407) | 0.250 (0.433) | 0.131 (0.338) | 0.146 (0.353) | 0.191 (0.393) | 0.246 (0.431) |
| Socioeconomic status quintile: 5 | 0.217 (0.412) | 0.304 (0.460) | 0.064 (0.246) | 0.074 (0.262) | 0.373 (0.484) | 0.152 (0.359) |
| Mother's age at child's birth | 23.836 (5.525) | 25.092 (5.384) | 20.677 (4.555) | 22.396 (5.219) | 26.352 (5.394) | 22.619 (5.518) |
| Teen mother at child's birth | 0.263 (0.440) | 0.180 (0.384) | 0.484 (0.500) | 0.328 (0.470) | 0.102 (0.303) | 0.416 (0.494) |
| Mother in her 20s at child's birth | 0.567 (0.495) | 0.606 (0.489) | 0.455 (0.498) | 0.564 (0.496) | 0.602 (0.490) | 0.440 (0.497) |
| Mother over 30 at child's birth | 0.170 (0.375) | 0.214 (0.410) | 0.061 (0.240) | 0.108 (0.311) | 0.296 (0.457) | 0.144 (0.352) |

Appendix Table 6: Early Childhood Longitudinal Study – Kindergarten Cohort (ECLS-K) Summary Statistics (ctd.)

| | Full Sample | White | Black | Hispanic | Asian | Other |
|---|---|---|---|---|---|---|
| Two biological parents | 0.677 (0.468) | 0.771 (0.420) | 0.322 (0.468) | 0.697 (0.460) | 0.836 (0.371) | 0.590 (0.493) |
| Single mother | 0.197 (0.398) | 0.117 (0.322) | 0.520 (0.500) | 0.184 (0.388) | 0.074 (0.262) | 0.155 (0.363) |
| Northeast | 0.181 (0.385) | 0.219 (0.414) | 0.130 (0.337) | 0.112 (0.315) | 0.244 (0.430) | 0.110 (0.314) |
| Midwest | 0.232 (0.422) | 0.288 (0.453) | 0.143 (0.351) | 0.126 (0.331) | 0.139 (0.347) | 0.339 (0.474) |
| South | 0.389 (0.488) | 0.351 (0.477) | 0.670 (0.470) | 0.314 (0.464) | 0.202 (0.402) | 0.202 (0.402) |
| West | 0.199 (0.399) | 0.141 (0.348) | 0.056 (0.230) | 0.449 (0.498) | 0.415 (0.493) | 0.349 (0.477) |
| Central city | 0.368 (0.482) | 0.265 (0.441) | 0.515 (0.500) | 0.558 (0.497) | 0.460 (0.499) | 0.304 (0.460) |
| Suburban | 0.389 (0.488) | 0.442 (0.497) | 0.303 (0.460) | 0.331 (0.471) | 0.403 (0.491) | 0.254 (0.436) |
| Town | 0.116 (0.320) | 0.142 (0.349) | 0.066 (0.249) | 0.065 (0.247) | 0.084 (0.278) | 0.190 (0.393) |
| Rural | 0.127 (0.333) | 0.151 (0.358) | 0.116 (0.321) | 0.046 (0.210) | 0.052 (0.222) | 0.253 (0.435) |
| Public school | 0.844 (0.363) | 0.803 (0.398) | 0.933 (0.251) | 0.919 (0.274) | 0.841 (0.366) | 0.734 (0.442) |
| Private school | 0.152 (0.359) | 0.197 (0.398) | 0.067 (0.251) | 0.081 (0.274) | 0.159 (0.366) | 0.184 (0.388) |
| Average percentage whites in school | 0.565 (0.338) | 0.767 (0.206) | 0.262 (0.266) | 0.285 (0.279) | 0.358 (0.301) | 0.372 (0.329) |
| Average percentage blacks in school | 0.162 (0.262) | 0.071 (0.129) | 0.582 (0.313) | 0.076 (0.132) | 0.114 (0.201) | 0.078 (0.160) |
| Birthweight (in ounces) | 118.177 (21.071) | 119.789 (20.904) | 114.085 (20.648) | 116.967 (21.324) | 110.491 (21.332) | 119.825 (20.608) |
| Number of children's books | 75.769 (60.087) | 96.451 (59.526) | 39.951 (39.048) | 43.983 (47.585) | 53.061 (48.133) | 74.275 (60.377) |
| WIC recipient | 0.447 (0.497) | 0.305 (0.460) | 0.780 (0.414) | 0.632 (0.482) | 0.235 (0.424) | 0.515 (0.500) |
| Missing socioeconomic status | 0.028 (0.164) | 0.017 (0.131) | 0.035 (0.184) | 0.036 (0.186) | 0.137 (0.344) | 0.024 (0.153) |
| Missing mother's age at birth | 0.077 (0.266) | 0.037 (0.188) | 0.128 (0.335) | 0.116 (0.320) | 0.263 (0.441) | 0.112 (0.316) |
| Missing family structure | 0.061 (0.239) | 0.033 (0.178) | 0.081 (0.273) | 0.104 (0.305) | 0.208 (0.406) | 0.083 (0.276) |
| Missing birthweight | 0.095 (0.293) | 0.047 (0.212) | 0.158 (0.365) | 0.156 (0.363) | 0.249 (0.433) | 0.123 (0.329) |
| Missing number of children's books | 0.072 (0.259) | 0.047 (0.211) | 0.085 (0.279) | 0.108 (0.311) | 0.219 (0.414) | 0.112 (0.316) |
| Missing WIC status | 0.071 (0.257) | 0.040 (0.197) | 0.104 (0.305) | 0.111 (0.315) | 0.211 (0.408) | 0.086 (0.280) |
| Obs. | 7790 | 4866 | 774 | 1309 | 432 | 409 |

Appendix Table 7: Children of the National Longitudinal Survey of Youth (CNLSY) Summary Statistics

| | Full Sample | White | Black | Hispanic |
|---|---|---|---|---|
| White | 0.463 (0.499) | – | – | – |
| Black | 0.330 (0.470) | – | – | – |
| Hispanic | 0.207 (0.405) | – | – | – |
| Male | 0.505 (0.500) | 0.506 (0.500) | 0.494 (0.500) | 0.523 (0.500) |
| Female | 0.495 (0.500) | 0.494 (0.500) | 0.506 (0.500) | 0.477 (0.500) |
| Free lunch | 0.475 (0.499) | 0.262 (0.440) | 0.717 (0.451) | 0.617 (0.486) |
| Special education | 0.176 (0.381) | 0.151 (0.358) | 0.196 (0.397) | 0.213 (0.409) |
| Private school | 0.049 (0.216) | 0.062 (0.241) | 0.028 (0.164) | 0.057 (0.231) |
| Income (units of $10K) | 2.074 (3.234) | 2.736 (3.722) | 1.284 (2.235) | 1.851 (3.092) |
| Home environment index | 46.357 (29.342) | 56.904 (26.803) | 33.907 (27.384) | 42.278 (29.077) |
| Age group 1 (age 5) | 0.105 (0.307) | 0.112 (0.316) | 0.096 (0.294) | 0.104 (0.305) |
| Age group 2 (ages 6-9) | 0.434 (0.496) | 0.447 (0.497) | 0.417 (0.493) | 0.433 (0.496) |
| Age group 3 (ages 10-14) | 0.443 (0.497) | 0.429 (0.495) | 0.460 (0.498) | 0.447 (0.497) |
| Std. mother's AFQT score | 0.000 (1.000) | 0.601 (0.854) | -0.575 (0.761) | -0.429 (0.869) |
| Missing race | 0.000 (0.000) | – | – | – |
| Missing sex | 0.000 (0.000) | 0.000 (0.000) | 0.000 (0.000) | 0.000 (0.000) |
| Missing free lunch status | 0.714 (0.452) | 0.697 (0.460) | 0.718 (0.450) | 0.748 (0.434) |
| Missing special education status | 0.813 (0.390) | 0.796 (0.403) | 0.826 (0.379) | 0.830 (0.376) |
| Missing school type | 0.597 (0.491) | 0.605 (0.489) | 0.577 (0.494) | 0.610 (0.488) |
| Missing income | 0.000 (0.000) | 0.000 (0.000) | 0.000 (0.000) | 0.000 (0.000) |
| Missing home environment index | 0.024 (0.152) | 0.016 (0.127) | 0.029 (0.169) | 0.031 (0.173) |
| Missing mother's AFQT score | 0.000 (0.000) | 0.000 (0.000) | 0.000 (0.000) | 0.000 (0.000) |
| Obs. | 29792 | 13800 | 9833 | 6159 |

| | Full Sample | White | Black | Hispanic | Asian |
|---|---|---|---|---|---|
Appendix Table 8: Chicago Summary Statistics

| | Full Sample | White | Black | Hispanic | Asian |
|---|---|---|---|---|---|
| White | 0.085 (0.279) | – | – | – | – |
| Black | 0.461 (0.498) | – | – | – | – |
| Hispanic | 0.419 (0.493) | – | – | – | – |
| Asian | 0.033 (0.180) | – | – | – | – |
| Other race | 0.002 (0.041) | – | – | – | – |
| Male | 0.506 (0.500) | 0.514 (0.500) | 0.503 (0.500) | 0.508 (0.500) | 0.515 (0.500) |
| Female | 0.494 (0.500) | 0.486 (0.500) | 0.497 (0.500) | 0.492 (0.500) | 0.485 (0.500) |
| Free lunch | 0.878 (0.328) | 0.493 (0.500) | 0.914 (0.281) | 0.928 (0.258) | 0.727 (0.445) |
| English language learner (ELL) | 0.011 (0.105) | 0.014 (0.116) | 0.001 (0.038) | 0.019 (0.136) | 0.043 (0.204) |
| Grade 3 | 0.179 (0.383) | 0.175 (0.380) | 0.178 (0.383) | 0.181 (0.385) | 0.171 (0.376) |
| Grade 4 | 0.163 (0.369) | 0.166 (0.372) | 0.159 (0.365) | 0.166 (0.372) | 0.169 (0.375) |
| Grade 5 | 0.161 (0.367) | 0.163 (0.370) | 0.158 (0.364) | 0.163 (0.370) | 0.164 (0.370) |
| Grade 6 | 0.168 (0.373) | 0.171 (0.376) | 0.169 (0.375) | 0.165 (0.371) | 0.166 (0.372) |
| Grade 7 | 0.163 (0.370) | 0.162 (0.369) | 0.165 (0.371) | 0.162 (0.369) | 0.162 (0.369) |
| Grade 8 | 0.166 (0.372) | 0.162 (0.369) | 0.171 (0.377) | 0.162 (0.368) | 0.168 (0.374) |
| Std. ISAT math 2008-09 | 0.000 (1.000) | 0.730 (1.131) | -0.248 (0.905) | 0.043 (0.922) | 0.999 (1.191) |
| Std. ISAT reading 2008-09 | 0.000 (1.000) | 0.690 (1.090) | -0.156 (0.954) | -0.024 (0.941) | 0.719 (1.055) |
| Missing race | 0.000 (0.000) | 0.000 (0.000) | 0.000 (0.000) | 0.000 (0.000) | 0.000 (0.000) |
| Missing sex | 0.000 (0.000) | 0.000 (0.000) | 0.000 (0.000) | 0.000 (0.000) | 0.000 (0.000) |
| Missing free lunch | 0.005 (0.073) | 0.012 (0.109) | 0.005 (0.073) | 0.003 (0.055) | 0.017 (0.129) |
| Missing ELL status | 0.023 (0.151) | 0.042 (0.199) | 0.023 (0.149) | 0.017 (0.130) | 0.061 (0.239) |
| Obs. | 178242 | 15151 | 82118 | 74718 | 5957 |

## Appendix Table 9: Dallas Summary Statistics

|  | Full Sample | White | Black | Hispanic | Asian |
|---|---|---|---|---|---|
| White | 0.045 (0.208) | – | – | – | – |
| Black | 0.261 (0.439) | – | – | – | – |
| Hispanic | 0.684 (0.465) | – | – | – | – |
| Asian | 0.008 (0.090) | – | – | – | – |
| Other race | 0.002 (0.042) | – | – | – | – |
| Male | 0.499 (0.500) | 0.512 (0.500) | 0.494 (0.500) | 0.501 (0.500) | 0.500 (0.501) |
| Female | 0.501 (0.500) | 0.488 (0.500) | 0.506 (0.500) | 0.499 (0.500) | 0.500 (0.501) |
| Free lunch | 0.574 (0.494) | 0.218 (0.413) | 0.395 (0.489) | 0.668 (0.471) | 0.419 (0.494) |
| English language learner (ELL) | 0.391 (0.488) | 0.020 (0.139) | 0.007 (0.082) | 0.563 (0.496) | 0.279 (0.450) |
| Special education | 0.039 (0.193) | 0.079 (0.270) | 0.043 (0.203) | 0.034 (0.182) | 0.044 (0.206) |
| Age (in months) | 117.021 (12.087) | 116.707 (11.593) | 117.028 (12.009) | 117.050 (12.155) | 116.106 (11.476) |
| Income (units of $10K) | 4.538 (2.330) | 6.729 (3.303) | 4.106 (1.860) | 4.549 (2.322) | 5.343 (2.867) |
| Grade 3 | 0.365 (0.481) | 0.351 (0.477) | 0.357 (0.479) | 0.369 (0.482) | 0.369 (0.483) |
| Grade 4 | 0.316 (0.465) | 0.337 (0.473) | 0.329 (0.470) | 0.310 (0.462) | 0.288 (0.454) |
| Grade 5 | 0.319 (0.466) | 0.311 (0.463) | 0.314 (0.464) | 0.321 (0.467) | 0.343 (0.476) |
| Std. TAKS math score | -0.000 (1.000) | 0.447 (1.024) | -0.243 (0.986) | 0.055 (0.983) | 0.663 (0.920) |
| Std. TAKS reading score | -0.000 (1.000) | 0.670 (1.127) | -0.112 (0.997) | -0.010 (0.965) | 0.475 (1.028) |
| Missing race | 0.000 (0.000) | 0.000 (0.000) | 0.000 (0.000) | 0.000 (0.000) | 0.000 (0.000) |
| Missing sex | 0.000 (0.000) | 0.000 (0.000) | 0.000 (0.000) | 0.000 (0.000) | 0.000 (0.000) |
| Missing free lunch | 0.005 (0.073) | 0.010 (0.102) | 0.008 (0.091) | 0.004 (0.062) | 0.007 (0.085) |
| Missing ELL status | 0.005 (0.073) | 0.010 (0.102) | 0.008 (0.091) | 0.004 (0.062) | 0.007 (0.085) |
| Missing special education status | 0.005 (0.073) | 0.010 (0.102) | 0.008 (0.091) | 0.004 (0.062) | 0.007 (0.085) |
| Missing age | 0.000 (0.000) | 0.000 (0.000) | 0.000 (0.000) | 0.000 (0.000) | 0.000 (0.000) |
| Missing income | 0.010 (0.101) | 0.014 (0.119) | 0.013 (0.111) | 0.009 (0.095) | 0.007 (0.085) |
| Obs. | 33866 | 1532 | 8830 | 23169 | 274 |

Appendix Table 10: New York City Summary Statistics

| | Full Sample | White | Black | Hispanic | Asian |
|---|---|---|---|---|---|
| White | 0.140 (0.347) | – | – | – | – |
| Black | 0.316 (0.465) | – | – | – | – |
| Hispanic | 0.397 (0.489) | – | – | – | – |
| Asian | 0.143 (0.350) | – | – | – | – |
| Other race | 0.005 (0.069) | – | – | – | – |
| Male | 0.512 (0.500) | 0.523 (0.499) | 0.505 (0.500) | 0.512 (0.500) | 0.519 (0.500) |
| Female | 0.488 (0.500) | 0.477 (0.499) | 0.495 (0.500) | 0.488 (0.500) | 0.481 (0.500) |
| Free lunch | 0.651 (0.477) | 0.335 (0.472) | 0.723 (0.448) | 0.746 (0.435) | 0.531 (0.499) |
| English language learner (ELL) | 0.138 (0.345) | 0.061 (0.240) | 0.025 (0.156) | 0.242 (0.428) | 0.175 (0.380) |
| Special education | 0.103 (0.304) | 0.079 (0.270) | 0.123 (0.328) | 0.120 (0.326) | 0.032 (0.175) |
| Age (in months) | 132.564 (22.728) | 130.057 (21.894) | 133.646 (22.907) | 133.258 (22.967) | 130.745 (22.114) |
| Income (units of $10K) | 4.462 (1.847) | 6.173 (2.171) | 4.135 (1.661) | 3.906 (1.492) | 5.014 (1.584) |
| Math grade 3 | 0.168 (0.374) | 0.182 (0.386) | 0.161 (0.367) | 0.165 (0.371) | 0.176 (0.381) |
| Math grade 4 | 0.163 (0.370) | 0.169 (0.375) | 0.160 (0.367) | 0.164 (0.371) | 0.161 (0.367) |
| Math grade 5 | 0.164 (0.371) | 0.165 (0.371) | 0.165 (0.371) | 0.165 (0.371) | 0.161 (0.368) |
| Math grade 6 | 0.163 (0.369) | 0.157 (0.364) | 0.165 (0.371) | 0.163 (0.370) | 0.164 (0.370) |
| Math grade 7 | 0.165 (0.371) | 0.161 (0.367) | 0.167 (0.373) | 0.165 (0.371) | 0.167 (0.373) |
| Math grade 8 | 0.169 (0.375) | 0.162 (0.368) | 0.174 (0.379) | 0.170 (0.376) | 0.167 (0.373) |
| ELA grade 3 | 0.165 (0.371) | 0.180 (0.384) | 0.160 (0.367) | 0.162 (0.368) | 0.170 (0.376) |
| ELA grade 4 | 0.161 (0.367) | 0.167 (0.373) | 0.159 (0.366) | 0.161 (0.367) | 0.156 (0.363) |
| ELA grade 5 | 0.162 (0.368) | 0.163 (0.369) | 0.164 (0.370) | 0.162 (0.368) | 0.156 (0.363) |
| ELA grade 6 | 0.160 (0.367) | 0.156 (0.362) | 0.164 (0.371) | 0.160 (0.366) | 0.157 (0.364) |
| ELA grade 7 | 0.162 (0.369) | 0.159 (0.366) | 0.167 (0.373) | 0.161 (0.368) | 0.159 (0.365) |
| ELA grade 8 | 0.166 (0.372) | 0.160 (0.366) | 0.173 (0.378) | 0.166 (0.372) | 0.159 (0.366) |
| Std. math scale score | 0.000 (1.000) | 0.428 (0.982) | -0.268 (0.899) | -0.187 (0.909) | 0.693 (1.013) |
| Std. ELA scale score | -0.000 (1.000) | 0.469 (1.104) | -0.165 (0.861) | -0.201 (0.901) | 0.476 (1.132) |
| Missing race | 0.000 (0.000) | 0.000 (0.000) | 0.000 (0.000) | 0.000 (0.000) | 0.000 (0.000) |
| Missing sex | 0.000 (0.000) | 0.000 (0.000) | 0.000 (0.000) | 0.000 (0.000) | 0.000 (0.000) |
| Missing free lunch | 0.018 (0.132) | 0.030 (0.170) | 0.023 (0.149) | 0.012 (0.107) | 0.012 (0.109) |
| Missing ELL status | 0.000 (0.000) | 0.000 (0.000) | 0.000 (0.000) | 0.000 (0.000) | 0.000 (0.000) |
| Missing special education status | 0.000 (0.000) | 0.000 (0.000) | 0.000 (0.000) | 0.000 (0.000) | 0.000 (0.000) |
| Missing age | 0.000 (0.000) | 0.000 (0.000) | 0.000 (0.000) | 0.000 (0.000) | 0.000 (0.000) |
| Income | 0.072 (0.258) | 0.052 (0.222) | 0.075 (0.263) | 0.075 (0.264) | 0.076 (0.264) |
| Obs. | 437416 | 61049 | 138115 | 173682 | 62477 |

Appendix Table 11: Washington, DC Summary Statistics

| | Full Sample | White | Black | Hispanic | Asian |
|---|---|---|---|---|---|
| White | 0.070 (0.255) | – | – | – | – |
| Black | 0.795 (0.404) | – | – | – | – |
| Hispanic | 0.115 (0.319) | – | – | – | – |
| Asian | 0.019 (0.137) | – | – | – | – |
| Other race | 0.001 (0.034) | – | – | – | – |
| Male | 0.507 (0.500) | 0.520 (0.500) | 0.504 (0.500) | 0.517 (0.500) | 0.521 (0.500) |
| Female | 0.493 (0.500) | 0.480 (0.500) | 0.496 (0.500) | 0.483 (0.500) | 0.479 (0.500) |
| Free lunch | 0.655 (0.475) | 0.039 (0.194) | 0.704 (0.457) | 0.738 (0.440) | 0.435 (0.496) |
| English language learner (ELL) | 0.077 (0.266) | 0.045 (0.207) | 0.011 (0.102) | 0.511 (0.500) | 0.320 (0.467) |
| Special education | 0.168 (0.373) | 0.110 (0.313) | 0.184 (0.388) | 0.108 (0.311) | 0.044 (0.205) |
| Age (in months) | 137.513 (29.689) | 128.707 (25.736) | 138.742 (29.696) | 135.111 (30.899) | 133.665 (28.882) |
| Income (units of $10K) | 4.778 (2.726) | 10.856 (3.379) | 4.096 (1.757) | 5.155 (2.270) | 8.046 (4.186) |
| Grade 3 | 0.180 (0.384) | 0.232 (0.422) | 0.170 (0.376) | 0.209 (0.407) | 0.211 (0.409) |
| Grade 4 | 0.162 (0.369) | 0.195 (0.396) | 0.157 (0.364) | 0.175 (0.380) | 0.178 (0.383) |
| Grade 5 | 0.160 (0.367) | 0.187 (0.390) | 0.159 (0.366) | 0.155 (0.362) | 0.147 (0.354) |
| Grade 6 | 0.123 (0.329) | 0.135 (0.342) | 0.124 (0.330) | 0.114 (0.318) | 0.103 (0.304) |
| Grade 7 | 0.123 (0.329) | 0.094 (0.292) | 0.128 (0.334) | 0.111 (0.314) | 0.124 (0.330) |
| Grade 8 | 0.125 (0.331) | 0.074 (0.262) | 0.131 (0.338) | 0.113 (0.316) | 0.121 (0.327) |
| Grade 10 | 0.126 (0.332) | 0.083 (0.275) | 0.130 (0.337) | 0.124 (0.330) | 0.116 (0.321) |
| Std. DCCAS math score | 0.000 (1.000) | 1.013 (0.858) | -0.141 (0.957) | 0.188 (0.900) | 0.963 (0.910) |
| Std. DCCAS reading score | 0.000 (1.000) | 1.044 (0.824) | -0.113 (0.962) | 0.044 (0.962) | 0.638 (0.899) |
| Missing race | 0.000 (0.000) | 0.000 (0.000) | 0.000 (0.000) | 0.000 (0.000) | 0.000 (0.000) |
| Missing sex | 0.000 (0.000) | 0.000 (0.000) | 0.000 (0.000) | 0.000 (0.000) | 0.000 (0.000) |
| Missing free lunch | 0.027 (0.162) | 0.014 (0.117) | 0.029 (0.167) | 0.024 (0.153) | 0.023 (0.151) |
| Missing ELL status | 0.000 (0.000) | 0.000 (0.000) | 0.000 (0.000) | 0.000 (0.000) | 0.000 (0.000) |
| Missing special education | 0.000 (0.000) | 0.000 (0.000) | 0.000 (0.000) | 0.000 (0.000) | 0.000 (0.000) |
| Missing age | 0.013 (0.113) | 0.011 (0.105) | 0.012 (0.110) | 0.016 (0.126) | 0.023 (0.151) |
| Missing income | 0.028 (0.166) | 0.014 (0.117) | 0.031 (0.172) | 0.024 (0.154) | 0.023 (0.151) |
| Obs. | 20386 | 1430 | 16199 | 2346 | 388 |

Appendix Table 12: National Education Longitudinal Study (NELS) Summary Statistics: Baseline Year

| | Full Sample | White | Black | Hispanic | Asian |
|---|---|---|---|---|---|
| White | 0.670 (0.470) | – | – | – | – |
| Black | 0.124 (0.329) | – | – | – | – |
| Hispanic | 0.130 (0.337) | – | – | – | – |
| Asian | 0.063 (0.244) | – | – | – | – |
| Other race | 0.013 (0.113) | – | – | – | – |
| Male | 0.498 (0.500) | 0.500 (0.500) | 0.489 (0.500) | 0.485 (0.500) | 0.514 (0.500) |
| Female | 0.502 (0.500) | 0.500 (0.500) | 0.511 (0.500) | 0.515 (0.500) | 0.486 (0.500) |
| Age | 14.599 (0.608) | 14.561 (0.553) | 14.717 (0.734) | 14.698 (0.701) | 14.519 (0.601) |
| Income (units of $10K) | 4.143 (3.781) | 4.696 (3.958) | 2.333 (2.333) | 2.668 (2.492) | 4.834 (4.379) |
| Parents' education: less than high school | 0.106 (0.307) | 0.057 (0.232) | 0.157 (0.364) | 0.331 (0.471) | 0.083 (0.276) |
| Parents' education: high school graduate | 0.194 (0.395) | 0.199 (0.399) | 0.230 (0.421) | 0.176 (0.381) | 0.112 (0.315) |
| Parents' education: some college | 0.392 (0.488) | 0.397 (0.489) | 0.443 (0.497) | 0.360 (0.480) | 0.306 (0.461) |
| Parents' education: college graduate | 0.309 (0.462) | 0.348 (0.476) | 0.170 (0.376) | 0.132 (0.339) | 0.500 (0.500) |
| Std. math IRT-estimated number right | 0.000 (1.000) | 0.175 (0.985) | -0.610 (0.761) | -0.459 (0.812) | 0.431 (1.082) |
| Std. English IRT-estimated number right | 0.000 (1.000) | 0.180 (0.992) | -0.512 (0.843) | -0.424 (0.852) | 0.114 (1.019) |
| Std. science IRT-estimated number right | 0.000 (1.000) | 0.197 (0.992) | -0.615 (0.743) | -0.438 (0.827) | 0.169 (1.050) |
| Std. history IRT-estimated number right | 0.000 (1.000) | 0.176 (0.973) | -0.498 (0.824) | -0.449 (0.927) | 0.185 (1.080) |
| Public | 0.788 (0.408) | 0.757 (0.429) | 0.853 (0.355) | 0.874 (0.331) | 0.809 (0.393) |
| Private | 0.212 (0.408) | 0.243 (0.429) | 0.147 (0.355) | 0.126 (0.331) | 0.191 (0.393) |
| Urban | 0.310 (0.462) | 0.233 (0.423) | 0.517 (0.500) | 0.454 (0.498) | 0.411 (0.492) |
| Suburban | 0.417 (0.493) | 0.443 (0.497) | 0.278 (0.448) | 0.386 (0.487) | 0.490 (0.500) |
| Rural | 0.274 (0.446) | 0.323 (0.468) | 0.205 (0.403) | 0.161 (0.367) | 0.099 (0.299) |
| Enrollment: 1-99 | 0.342 (0.474) | 0.394 (0.489) | 0.258 (0.437) | 0.213 (0.410) | 0.221 (0.415) |
| Enrollment: 100-199 | 0.208 (0.406) | 0.219 (0.413) | 0.233 (0.423) | 0.148 (0.355) | 0.158 (0.365) |
| Enrollment: 200-299 | 0.198 (0.399) | 0.192 (0.394) | 0.222 (0.415) | 0.206 (0.405) | 0.208 (0.406) |
| Enrollment: 300-399 | 0.135 (0.341) | 0.116 (0.320) | 0.154 (0.361) | 0.195 (0.396) | 0.176 (0.381) |
| Enrollment: 400+ | 0.117 (0.322) | 0.079 (0.270) | 0.134 (0.340) | 0.239 (0.426) | 0.237 (0.425) |
| Missing race | 0.009 (0.096) | 0.000 (0.000) | 0.000 (0.000) | 0.000 (0.000) | 0.000 (0.000) |
| Missing sex | 0.000 (0.000) | 0.000 (0.000) | 0.000 (0.000) | 0.000 (0.000) | 0.000 (0.000) |
| Missing age | 0.029 (0.167) | 0.025 (0.157) | 0.037 (0.188) | 0.031 (0.174) | 0.036 (0.185) |
| Missing income | 0.122 (0.327) | 0.101 (0.301) | 0.139 (0.346) | 0.179 (0.383) | 0.146 (0.353) |
| Missing parents' education | 0.253 (0.435) | 0.222 (0.416) | 0.379 (0.485) | 0.271 (0.444) | 0.270 (0.444) |
| Missing school type | 0.000 (0.000) | 0.000 (0.000) | 0.000 (0.000) | 0.000 (0.000) | 0.000 (0.000) |
| Missing school locale | 0.000 (0.000) | 0.000 (0.000) | 0.000 (0.000) | 0.000 (0.000) | 0.000 (0.000) |
| Missing enrollment | 0.000 (0.000) | 0.000 (0.000) | 0.000 (0.000) | 0.000 (0.000) | 0.000 (0.000) |
| Obs. | 24599 | 16321 | 3011 | 3177 | 1546 |