Supplementary Materials for Differences in the Risk of Grade Retention for Biracial and Monoracial Students in the US, 2010-2019

Table A1: Log-odds ratios from full models predicting a student being clearly behind expected grade. All models used sample weights and adjust for design effects from sample weight variance and clustering of students within the same household.

|  | Model 1 | Model 2 | Model 3 | Model 4 | Model 5 |
| --- | --- | --- | --- | --- | --- |
| Intercept | -3.313 \*\*\* | -3.433 \*\*\* | -2.138 \*\*\* | -1.804 \*\*\* | -1.676 \*\*\* |
|  | (0.006) | (0.054) | (0.105) | (0.103) | (0.104) |
| Race (ref. White) |  |  |  |  |  |
|  |  |  |  |  |  |
| Black | 0.460 \*\*\* | 0.396 \*\*\* | 0.393 \*\*\* | 0.247 \*\*\* | 0.170 \*\*\* |
|  | (0.018) | (0.019) | (0.019) | (0.019) | (0.019) |
| Indigenous | 0.851 \*\*\* | 0.818 \*\*\* | 0.795 \*\*\* | 0.560 \*\*\* | 0.487 \*\*\* |
|  | (0.049) | (0.052) | (0.052) | (0.052) | (0.052) |
| Asian | -0.326 \*\*\* | -0.088 \*\*\* | -0.187 \*\*\* | -0.134 \*\*\* | -0.148 \*\*\* |
|  | (0.025) | (0.025) | (0.029) | (0.030) | (0.029) |
| Latino | 0.390 \*\*\* | 0.529 \*\*\* | 0.327 \*\*\* | -0.025 | -0.062 \*\* |
|  | (0.012) | (0.014) | (0.019) | (0.020) | (0.020) |
| Black/White | 0.097 \* | 0.118 \*\* | 0.126 \*\* | -0.012 | -0.082 |
|  | (0.044) | (0.044) | (0.044) | (0.044) | (0.045) |
| Black/Indigenous | 0.554 \* | 0.580 \*\* | 0.591 \*\* | 0.400 | 0.311 |
|  | (0.219) | (0.223) | (0.223) | (0.224) | (0.224) |
| Black/Latino | 0.116 | 0.205 \*\* | 0.229 \*\* | 0.045 | -0.038 |
|  | (0.075) | (0.075) | (0.075) | (0.075) | (0.075) |
| Black/Asian | -0.171 | 0.007 | 0.089 | 0.061 | 0.024 |
|  | (0.209) | (0.208) | (0.208) | (0.208) | (0.208) |
| White/Indigenous | 0.419 \*\*\* | 0.253 \*\*\* | 0.258 \*\*\* | 0.158 \*\* | 0.129 \* |
|  | (0.059) | (0.061) | (0.061) | (0.061) | (0.061) |
| White/Latino | -0.118 \*\*\* | -0.001 | 0.016 | -0.066 \*\* | -0.084 \*\*\* |
|  | (0.024) | (0.024) | (0.024) | (0.024) | (0.024) |
| White/Asian | -0.677 \*\*\* | -0.470 \*\*\* | -0.411 \*\*\* | -0.266 \*\*\* | -0.248 \*\*\* |
|  | (0.050) | (0.050) | (0.051) | (0.051) | (0.051) |
| Indigenous/Latino | 0.419 \*\* | 0.573 \*\*\* | 0.579 \*\*\* | 0.280 \* | 0.213 |
|  | (0.140) | (0.140) | (0.140) | (0.142) | (0.143) |
| Indigenous/Asian | -0.310 | -0.088 | -0.061 | -0.210 | -0.253 |
|  | (0.335) | (0.348) | (0.346) | (0.346) | (0.346) |
| Latino/Asian | -0.379 \*\*\* | -0.047 | 0.015 | 0.007 | -0.011 |
|  | (0.113) | (0.113) | (0.113) | (0.113) | (0.113) |
| Year (2010 origin) |  | 0.018 \*\* | 0.019 \*\* | 0.029 \*\*\* | 0.029 \*\*\* |
|  |  | (0.007) | (0.007) | (0.007) | (0.007) |
| Grade (ref. Kindergarten) |  |  |  |  |  |
|  |  |  |  |  |  |
| 1st grade |  | 0.417 \*\*\* | 0.427 \*\*\* | 0.426 \*\*\* | 0.432 \*\*\* |
|  |  | (0.047) | (0.047) | (0.047) | (0.047) |
| 2nd grade |  | 0.469 \*\*\* | 0.478 \*\*\* | 0.475 \*\*\* | 0.488 \*\*\* |
|  |  | (0.046) | (0.046) | (0.047) | (0.047) |
| 3rd grade |  | 0.715 \*\*\* | 0.722 \*\*\* | 0.718 \*\*\* | 0.737 \*\*\* |
|  |  | (0.045) | (0.045) | (0.045) | (0.045) |
| 4th grade |  | 0.736 \*\*\* | 0.739 \*\*\* | 0.729 \*\*\* | 0.755 \*\*\* |
|  |  | (0.045) | (0.045) | (0.046) | (0.046) |
| 5th grade |  | 0.753 \*\*\* | 0.750 \*\*\* | 0.743 \*\*\* | 0.775 \*\*\* |
|  |  | (0.045) | (0.045) | (0.045) | (0.045) |
| 6th grade |  | 0.981 \*\*\* | 0.972 \*\*\* | 0.955 \*\*\* | 0.992 \*\*\* |
|  |  | (0.043) | (0.044) | (0.044) | (0.044) |
| 7th grade |  | 0.937 \*\*\* | 0.923 \*\*\* | 0.898 \*\*\* | 0.943 \*\*\* |
|  |  | (0.044) | (0.044) | (0.044) | (0.045) |
| 8th grade |  | 1.024 \*\*\* | 1.008 \*\*\* | 0.982 \*\*\* | 1.033 \*\*\* |
|  |  | (0.044) | (0.044) | (0.044) | (0.045) |
| 9th grade |  | 1.178 \*\*\* | 1.152 \*\*\* | 1.125 \*\*\* | 1.179 \*\*\* |
|  |  | (0.043) | (0.043) | (0.043) | (0.044) |
| 10th grade |  | 1.163 \*\*\* | 1.136 \*\*\* | 1.111 \*\*\* | 1.173 \*\*\* |
|  |  | (0.043) | (0.043) | (0.043) | (0.044) |
| 11th grade |  | 1.050 \*\*\* | 1.020 \*\*\* | 0.994 \*\*\* | 1.062 \*\*\* |
|  |  | (0.044) | (0.044) | (0.044) | (0.045) |
| 12th grade |  | 1.197 \*\*\* | 1.167 \*\*\* | 1.137 \*\*\* | 1.209 \*\*\* |
|  |  | (0.046) | (0.046) | (0.046) | (0.046) |
| State (ref. Alabama) |  |  |  |  |  |
|  |  |  |  |  |  |
| Alaska |  | -0.425 \*\*\* | -0.419 \*\*\* | -0.357 \*\*\* | -0.325 \*\* |
|  |  | (0.104) | (0.104) | (0.103) | (0.102) |
| Arizona |  | -0.499 \*\*\* | -0.482 \*\*\* | -0.455 \*\*\* | -0.463 \*\*\* |
|  |  | (0.051) | (0.051) | (0.051) | (0.051) |
| Arkansas |  | -0.085 | -0.084 | -0.100 | -0.107 |
|  |  | (0.061) | (0.061) | (0.061) | (0.061) |
| California |  | -0.761 \*\*\* | -0.743 \*\*\* | -0.713 \*\*\* | -0.730 \*\*\* |
|  |  | (0.043) | (0.043) | (0.043) | (0.043) |
| Colorado |  | -0.526 \*\*\* | -0.513 \*\*\* | -0.437 \*\*\* | -0.431 \*\*\* |
|  |  | (0.056) | (0.056) | (0.056) | (0.056) |
| Connecticut |  | -0.698 \*\*\* | -0.687 \*\*\* | -0.547 \*\*\* | -0.521 \*\*\* |
|  |  | (0.064) | (0.064) | (0.064) | (0.064) |
| Washington DC |  | -0.551 \*\* | -0.528 \*\* | -0.337 | -0.307 |
|  |  | (0.175) | (0.174) | (0.175) | (0.175) |
| Delaware |  | 0.060 | 0.069 | 0.070 | 0.087 |
|  |  | (0.103) | (0.103) | (0.103) | (0.103) |
| Florida |  | 0.154 \*\*\* | 0.146 \*\*\* | 0.231 \*\*\* | 0.216 \*\*\* |
|  |  | (0.043) | (0.043) | (0.043) | (0.043) |
| Georgia |  | -0.046 | -0.051 | -0.018 | -0.024 |
|  |  | (0.047) | (0.047) | (0.047) | (0.047) |
| Hawaii |  | -0.854 \*\*\* | -0.852 \*\*\* | -0.822 \*\*\* | -0.853 \*\*\* |
|  |  | (0.121) | (0.121) | (0.122) | (0.122) |
| Idaho |  | -0.535 \*\*\* | -0.545 \*\*\* | -0.512 \*\*\* | -0.517 \*\*\* |
|  |  | (0.074) | (0.074) | (0.074) | (0.074) |
| Illinois |  | -0.588 \*\*\* | -0.568 \*\*\* | -0.500 \*\*\* | -0.487 \*\*\* |
|  |  | (0.047) | (0.047) | (0.047) | (0.047) |
| Indiana |  | 0.234 \*\*\* | 0.235 \*\*\* | 0.207 \*\*\* | 0.211 \*\*\* |
|  |  | (0.047) | (0.047) | (0.047) | (0.047) |
| Iowa |  | -0.489 \*\*\* | -0.500 \*\*\* | -0.421 \*\*\* | -0.406 \*\*\* |
|  |  | (0.060) | (0.060) | (0.060) | (0.060) |
| Kansas |  | -0.464 \*\*\* | -0.463 \*\*\* | -0.393 \*\*\* | -0.385 \*\*\* |
|  |  | (0.064) | (0.064) | (0.064) | (0.064) |
| Kentucky |  | -0.159 \*\* | -0.168 \*\* | -0.182 \*\*\* | -0.196 \*\*\* |
|  |  | (0.053) | (0.053) | (0.053) | (0.053) |
| Louisiana |  | 0.252 \*\*\* | 0.249 \*\*\* | 0.198 \*\*\* | 0.212 \*\*\* |
|  |  | (0.052) | (0.052) | (0.052) | (0.052) |
| Maine |  | -0.684 \*\*\* | -0.689 \*\*\* | -0.632 \*\*\* | -0.647 \*\*\* |
|  |  | (0.094) | (0.094) | (0.094) | (0.094) |
| Maryland |  | -0.496 \*\*\* | -0.495 \*\*\* | -0.401 \*\*\* | -0.377 \*\*\* |
|  |  | (0.054) | (0.054) | (0.054) | (0.054) |
| Massachusetts |  | -0.339 \*\*\* | -0.346 \*\*\* | -0.226 \*\*\* | -0.216 \*\*\* |
|  |  | (0.052) | (0.052) | (0.051) | (0.051) |
| Michigan |  | -0.250 \*\*\* | -0.254 \*\*\* | -0.257 \*\*\* | -0.258 \*\*\* |
|  |  | (0.048) | (0.048) | (0.047) | (0.047) |
| Minnesota |  | -0.471 \*\*\* | -0.481 \*\*\* | -0.399 \*\*\* | -0.382 \*\*\* |
|  |  | (0.055) | (0.055) | (0.054) | (0.054) |
| Mississippi |  | 0.152 \*\* | 0.150 \*\* | 0.153 \*\* | 0.151 \*\* |
|  |  | (0.056) | (0.056) | (0.056) | (0.056) |
| Missouri |  | -0.204 \*\*\* | -0.207 \*\*\* | -0.216 \*\*\* | -0.224 \*\*\* |
|  |  | (0.051) | (0.051) | (0.051) | (0.051) |
| Montana |  | -0.134 | -0.133 | -0.038 | -0.046 |
|  |  | (0.085) | (0.085) | (0.085) | (0.085) |
| Nebraska |  | -0.417 \*\*\* | -0.432 \*\*\* | -0.359 \*\*\* | -0.349 \*\*\* |
|  |  | (0.072) | (0.072) | (0.072) | (0.072) |
| Nevada |  | -0.594 \*\*\* | -0.573 \*\*\* | -0.604 \*\*\* | -0.616 \*\*\* |
|  |  | (0.067) | (0.067) | (0.067) | (0.067) |
| New Hampshire |  | -0.705 \*\*\* | -0.702 \*\*\* | -0.580 \*\*\* | -0.572 \*\*\* |
|  |  | (0.098) | (0.098) | (0.098) | (0.098) |
| New Jersey |  | -0.344 \*\*\* | -0.337 \*\*\* | -0.229 \*\*\* | -0.221 \*\*\* |
|  |  | (0.049) | (0.050) | (0.049) | (0.049) |
| New Mexico |  | -0.552 \*\*\* | -0.514 \*\*\* | -0.437 \*\*\* | -0.429 \*\*\* |
|  |  | (0.073) | (0.073) | (0.073) | (0.073) |
| New York |  | -0.519 \*\*\* | -0.517 \*\*\* | -0.468 \*\*\* | -0.475 \*\*\* |
|  |  | (0.045) | (0.045) | (0.045) | (0.045) |
| North Carolina |  | -0.137 \*\* | -0.142 \*\* | -0.101 \* | -0.106 \* |
|  |  | (0.046) | (0.046) | (0.046) | (0.046) |
| North Dakota |  | -0.174 | -0.181 | -0.051 | -0.033 |
|  |  | (0.103) | (0.104) | (0.104) | (0.104) |
| Ohio |  | 0.036 | 0.033 | 0.014 | 0.003 |
|  |  | (0.045) | (0.045) | (0.045) | (0.045) |
| Oklahoma |  | 0.300 \*\*\* | 0.300 \*\*\* | 0.308 \*\*\* | 0.312 \*\*\* |
|  |  | (0.052) | (0.052) | (0.052) | (0.052) |
| Oregon |  | -0.597 \*\*\* | -0.605 \*\*\* | -0.605 \*\*\* | -0.622 \*\*\* |
|  |  | (0.063) | (0.063) | (0.063) | (0.063) |
| Pennsylvania |  | -0.248 \*\*\* | -0.252 \*\*\* | -0.250 \*\*\* | -0.243 \*\*\* |
|  |  | (0.046) | (0.046) | (0.046) | (0.046) |
| Rhode Island |  | -0.483 \*\*\* | -0.472 \*\*\* | -0.420 \*\*\* | -0.425 \*\*\* |
|  |  | (0.100) | (0.100) | (0.099) | (0.099) |
| South Carolina |  | -0.173 \*\* | -0.181 \*\*\* | -0.174 \*\* | -0.182 \*\*\* |
|  |  | (0.054) | (0.054) | (0.054) | (0.054) |
| South Dakota |  | 0.080 | 0.075 | 0.200 \* | 0.209 \* |
|  |  | (0.081) | (0.081) | (0.081) | (0.081) |
| Tennessee |  | -0.179 \*\*\* | -0.184 \*\*\* | -0.191 \*\*\* | -0.202 \*\*\* |
|  |  | (0.050) | (0.050) | (0.049) | (0.049) |
| Texas |  | -0.068 | -0.068 | -0.018 | 0.004 |
|  |  | (0.042) | (0.042) | (0.042) | (0.042) |
| Utah |  | -0.837 \*\*\* | -0.833 \*\*\* | -0.809 \*\*\* | -0.807 \*\*\* |
|  |  | (0.067) | (0.067) | (0.067) | (0.067) |
| Vermont |  | -0.673 \*\*\* | -0.674 \*\*\* | -0.546 \*\*\* | -0.551 \*\*\* |
|  |  | (0.146) | (0.146) | (0.145) | (0.145) |
| Virginia |  | -0.357 \*\*\* | -0.354 \*\*\* | -0.261 \*\*\* | -0.253 \*\*\* |
|  |  | (0.050) | (0.050) | (0.049) | (0.049) |
| Washington |  | -0.328 \*\*\* | -0.341 \*\*\* | -0.319 \*\*\* | -0.317 \*\*\* |
|  |  | (0.051) | (0.051) | (0.051) | (0.051) |
| West Virginia |  | -0.122 | -0.123 | -0.161 \* | -0.173 \* |
|  |  | (0.068) | (0.068) | (0.068) | (0.068) |
| Wisconsin |  | -0.586 \*\*\* | -0.586 \*\*\* | -0.544 \*\*\* | -0.534 \*\*\* |
|  |  | (0.057) | (0.057) | (0.057) | (0.057) |
| Wyoming |  | -0.056 | -0.054 | 0.061 | 0.061 |
|  |  | (0.108) | (0.109) | (0.108) | (0.108) |
| Location (ref. Indeterminable) |  |  |  |  |  |
|  |  |  |  |  |  |
| Non-metro |  | 0.069 \*\*\* | 0.067 \*\*\* | 0.057 \*\* | 0.058 \*\* |
|  |  | (0.018) | (0.018) | (0.018) | (0.018) |
| Central city |  | -0.102 \*\*\* | -0.136 \*\*\* | -0.034 | -0.054 \*\* |
|  |  | (0.020) | (0.020) | (0.020) | (0.020) |
| Metro non-central |  | -0.383 \*\*\* | -0.381 \*\*\* | -0.234 \*\*\* | -0.214 \*\*\* |
|  |  | (0.017) | (0.017) | (0.017) | (0.017) |
| Metro indeterminable |  | -0.278 \*\*\* | -0.291 \*\*\* | -0.167 \*\*\* | -0.162 \*\*\* |
|  |  | (0.016) | (0.016) | (0.016) | (0.016) |
| Female |  | -0.416 \*\*\* | -0.415 \*\*\* | -0.418 \*\*\* | -0.419 \*\*\* |
|  |  | (0.009) | (0.009) | (0.009) | (0.009) |
| Year x 1st grade |  | -0.007 | -0.008 | -0.009 | -0.009 |
|  |  | (0.009) | (0.009) | (0.009) | (0.009) |
| Year x 2nd grade |  | -0.010 | -0.011 | -0.013 | -0.013 |
|  |  | (0.009) | (0.009) | (0.009) | (0.009) |
| Year x 3rd grade |  | -0.026 \*\* | -0.026 \*\* | -0.028 \*\* | -0.029 \*\*\* |
|  |  | (0.009) | (0.009) | (0.009) | (0.009) |
| Year x 4th grade |  | -0.023 \*\* | -0.023 \*\* | -0.025 \*\* | -0.025 \*\* |
|  |  | (0.009) | (0.009) | (0.009) | (0.009) |
| Year x 5th grade |  | -0.035 \*\*\* | -0.033 \*\*\* | -0.035 \*\*\* | -0.036 \*\*\* |
|  |  | (0.009) | (0.009) | (0.009) | (0.009) |
| Year x 6th grade |  | -0.036 \*\*\* | -0.035 \*\*\* | -0.035 \*\*\* | -0.036 \*\*\* |
|  |  | (0.008) | (0.008) | (0.008) | (0.008) |
| Year x 7th grade |  | -0.046 \*\*\* | -0.045 \*\*\* | -0.045 \*\*\* | -0.046 \*\*\* |
|  |  | (0.008) | (0.008) | (0.008) | (0.009) |
| Year x 8th grade |  | -0.062 \*\*\* | -0.061 \*\*\* | -0.061 \*\*\* | -0.062 \*\*\* |
|  |  | (0.009) | (0.009) | (0.009) | (0.009) |
| Year x 9th grade |  | -0.060 \*\*\* | -0.058 \*\*\* | -0.059 \*\*\* | -0.060 \*\*\* |
|  |  | (0.008) | (0.008) | (0.008) | (0.008) |
| Year x 10th grade |  | -0.059 \*\*\* | -0.058 \*\*\* | -0.058 \*\*\* | -0.060 \*\*\* |
|  |  | (0.008) | (0.008) | (0.008) | (0.008) |
| Year x 11th grade |  | -0.043 \*\*\* | -0.041 \*\*\* | -0.041 \*\*\* | -0.042 \*\*\* |
|  |  | (0.008) | (0.009) | (0.009) | (0.009) |
| Year x 12th grade |  | -0.046 \*\*\* | -0.044 \*\*\* | -0.045 \*\*\* | -0.046 \*\*\* |
|  |  | (0.009) | (0.009) | (0.009) | (0.009) |
| Foreign-born |  |  | 0.528 \*\*\* | 0.635 \*\*\* | 0.572 \*\*\* |
|  |  |  | (0.019) | (0.019) | (0.019) |
| Mother foreign-born |  |  | -0.176 \*\*\* | -0.211 \*\*\* | -0.207 \*\*\* |
|  |  |  | (0.019) | (0.020) | (0.020) |
| Father foreign-born |  |  | -0.037 | -0.105 \*\*\* | -0.105 \*\*\* |
|  |  |  | (0.019) | (0.020) | (0.020) |
| English proficiency (ref. none) |  |  |  |  |  |
|  |  |  |  |  |  |
| Speaks English somewhat |  |  | -0.158 | -0.184 \* | -0.164 |
|  |  |  | (0.092) | (0.090) | (0.090) |
| Speaks English well |  |  | -0.511 \*\*\* | -0.512 \*\*\* | -0.476 \*\*\* |
|  |  |  | (0.088) | (0.085) | (0.085) |
| Mother's English proficiency (ref. none) |  |  |  |  |  |
|  |  |  |  |  |  |
| Mother speaks somewhat |  |  | -0.230 \*\*\* | -0.152 \*\*\* | -0.152 \*\*\* |
|  |  |  | (0.028) | (0.028) | (0.028) |
| Mother speaks well |  |  | -0.515 \*\*\* | -0.144 \*\*\* | -0.132 \*\*\* |
|  |  |  | (0.031) | (0.030) | (0.030) |
| Father's English proficiency (ref. none) |  |  |  |  |  |
|  |  |  |  |  |  |
| Father speaks somewhat |  |  | -0.052 | -0.024 | -0.007 |
|  |  |  | (0.034) | (0.033) | (0.033) |
| Father speaks well |  |  | -0.266 \*\*\* | -0.066 | -0.033 |
|  |  |  | (0.035) | (0.035) | (0.034) |
| Mother's highest degree (ref. none) |  |  |  |  |  |
|  |  |  |  |  |  |
| Mother High school diploma |  |  |  | -0.466 \*\*\* | -0.437 \*\*\* |
|  |  |  |  | (0.017) | (0.016) |
| Mother AA degree |  |  |  | -0.739 \*\*\* | -0.679 \*\*\* |
|  |  |  |  | (0.022) | (0.022) |
| Mother BA degree |  |  |  | -0.919 \*\*\* | -0.824 \*\*\* |
|  |  |  |  | (0.021) | (0.021) |
| Mother Grad degree |  |  |  | -1.073 \*\*\* | -0.946 \*\*\* |
|  |  |  |  | (0.024) | (0.025) |
| Father's highest degree (ref. none) |  |  |  |  |  |
|  |  |  |  |  |  |
| Father High school diploma |  |  |  | -0.300 \*\*\* | -0.273 \*\*\* |
|  |  |  |  | (0.015) | (0.015) |
| Father AA degree |  |  |  | -0.488 \*\*\* | -0.434 \*\*\* |
|  |  |  |  | (0.023) | (0.023) |
| Father BA degree |  |  |  | -0.539 \*\*\* | -0.449 \*\*\* |
|  |  |  |  | (0.020) | (0.020) |
| Father Grad degree |  |  |  | -0.514 \*\*\* | -0.397 \*\*\* |
|  |  |  |  | (0.023) | (0.023) |
| Family income (10K USD, sq. root) |  |  |  |  | -0.073 \*\*\* |
|  |  |  |  |  | (0.005) |
| Owns home |  |  |  |  | -0.206 \*\*\* |
|  |  |  |  |  | (0.012) |
| Parents married |  |  |  |  | 0.032 |
|  |  |  |  |  | (0.018) |
| N | 2603331 | 2603331 | 2603331 | 2603331 | 2603331 |
| Null deviance | 854985 | 854985 | 854985 | 854985 | 854985 |
| Model deviance | 849614 | 827977 | 823085 | 809432 | 807977 |
| Pseudo-R2 | 0.006 | 0.032 | 0.037 | 0.053 | 0.055 |

Notes: \*\*\* p < 0.001; \*\* p < 0.01; \* p < 0.05. Standard errors shown in parenthesis.

Table A2: Bayesian Information Criterion (BIC) statistics for models accounting for change over time using different specifications. All models also include categorical dummy variables for race, grade, state, and location.

| Model | BIC Score |
| --- | --- |
| Categorical year dummies, no interaction | 811029.9 |
| Continous year variable, no interaction | 810926.8 |
| Categorical year dummies, year \* grade interaction | 812234.2 |
| Continous year variable, year \* grade interaction | 810858.1 |
| Continous year variable, year \* grade interaction + year \* state interaction | 811392.7 |

Table A3: Socioeconomic resources by race. Shading indicates biracial group. All results apply survey weights.

| race | mean family income | % own home | % parents married | % father, no HS diploma | % father, HS diploma | % father, AA degree | % father, BA+ degree | % mother, no HS diploma | % mother, HS diploma | % mother, AA degree | % mother, BA+ degree |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| White | 136,953 | 83.3 | 95.2 | 5.3 | 42.4 | 8.6 | 43.6 | 3.6 | 37.9 | 11.8 | 46.7 |
| Black | 87,159 | 53.9 | 86.6 | 9.1 | 57.0 | 8.8 | 25.1 | 8.0 | 48.9 | 12.1 | 30.9 |
| Indigenous | 63,115 | 50.7 | 81.5 | 15.3 | 67.7 | 8.2 | 8.8 | 12.9 | 61.7 | 12.3 | 13.2 |
| Asian | 141,982 | 72.4 | 98.1 | 10.9 | 23.6 | 5.9 | 59.6 | 12.1 | 24.1 | 7.1 | 56.7 |
| Latino | 62,226 | 50.2 | 87.9 | 46.8 | 40.8 | 3.9 | 8.5 | 42.2 | 42.2 | 5.2 | 10.4 |
| Black/White | 94,841 | 57.6 | 80.2 | 8.0 | 55.9 | 8.9 | 27.1 | 5.7 | 50.1 | 12.3 | 31.9 |
| Black/Indigenous | 76,097 | 44.7 | 76.2 | 7.9 | 58.7 | 11.9 | 21.5 | 8.7 | 62.6 | 9.4 | 19.3 |
| Black/Latino | 86,825 | 47.2 | 79.7 | 8.0 | 58.0 | 10.6 | 23.4 | 7.7 | 54.4 | 12.1 | 25.8 |
| Black/Asian | 131,156 | 64.6 | 90.9 | 4.1 | 46.4 | 10.2 | 39.4 | 3.2 | 42.6 | 10.0 | 44.3 |
| White/Indigenous | 97,664 | 70.7 | 89.0 | 8.5 | 57.6 | 9.7 | 24.2 | 5.5 | 53.0 | 13.4 | 28.2 |
| White/Latino | 125,805 | 73.0 | 91.7 | 8.1 | 46.9 | 8.9 | 36.1 | 5.2 | 44.6 | 11.4 | 38.8 |
| White/Asian | 187,049 | 85.2 | 96.8 | 1.3 | 25.7 | 7.5 | 65.5 | 2.3 | 24.7 | 9.2 | 63.9 |
| Indigenous/Latino | 72,164 | 47.8 | 79.7 | 21.3 | 60.4 | 8.3 | 10.0 | 13.3 | 60.3 | 11.9 | 14.4 |
| Indigenous/Asian | 100,783 | 56.1 | 91.4 | 13.0 | 56.1 | 8.3 | 22.6 | 6.7 | 56.1 | 8.5 | 28.8 |
| Latino/Asian | 130,330 | 70.3 | 91.3 | 5.3 | 42.0 | 12.2 | 40.5 | 5.1 | 38.7 | 12.8 | 43.4 |

Table A4: Cultural resources by race. Shading indicates biracial group. All results apply survey weights.

| race | % foreign-born | % father foreign-born | % mother foreign-born | % speak no English | % speak some English | % speak English | % father speak no English | % father speak some English | % father speak English | % mother speak no English | % mother speak some English | % mother speak English |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| White | 1.9 | 6.9 | 6.7 | 0.0 | 0.3 | 99.6 | 0.1 | 0.5 | 99.4 | 0.1 | 0.6 | 99.2 |
| Black | 6.4 | 25.1 | 24.4 | 0.0 | 0.5 | 99.4 | 0.2 | 1.6 | 98.2 | 0.5 | 2.7 | 96.8 |
| Indigenous | 7.1 | 22.0 | 20.8 | 0.0 | 0.8 | 99.2 | 0.1 | 2.2 | 97.7 | 0.4 | 2.2 | 97.5 |
| Asian | 21.9 | 92.8 | 93.1 | 0.2 | 3.3 | 96.5 | 2.0 | 12.3 | 85.7 | 2.8 | 16.8 | 80.4 |
| Latino | 11.6 | 76.4 | 73.1 | 0.4 | 3.1 | 96.4 | 8.0 | 24.6 | 67.4 | 14.1 | 27.1 | 58.8 |
| Black/White | 2.0 | 10.0 | 9.2 | 0.0 | 0.2 | 99.8 | 0.0 | 0.1 | 99.9 | 0.0 | 0.1 | 99.8 |
| Black/Indigenous | 3.9 | 8.8 | 17.1 | 0.0 | 0.0 | 100.0 | 0.0 | 0.0 | 100.0 | 0.0 | 0.1 | 99.9 |
| Black/Latino | 2.0 | 15.2 | 22.0 | 0.0 | 1.1 | 98.9 | 0.1 | 0.5 | 99.4 | 0.2 | 0.8 | 99.0 |
| Black/Asian | 7.3 | 27.9 | 72.0 | 0.0 | 0.5 | 99.4 | 0.0 | 0.5 | 99.5 | 0.0 | 1.2 | 98.8 |
| White/Indigenous | 1.1 | 5.6 | 4.6 | 0.0 | 0.2 | 99.8 | 0.0 | 0.1 | 99.9 | 0.0 | 0.0 | 100.0 |
| White/Latino | 2.0 | 18.5 | 18.0 | 0.0 | 0.7 | 99.3 | 0.1 | 0.8 | 99.1 | 0.1 | 0.7 | 99.2 |
| White/Asian | 6.2 | 24.7 | 56.7 | 0.0 | 0.6 | 99.4 | 0.1 | 0.3 | 99.7 | 0.0 | 0.9 | 99.1 |
| Indigenous/Latino | 1.1 | 23.3 | 10.0 | 0.0 | 0.7 | 99.3 | 0.0 | 1.4 | 98.6 | 0.0 | 1.1 | 98.9 |
| Indigenous/Asian | 9.9 | 38.6 | 55.5 | 0.0 | 0.0 | 100.0 | 1.4 | 1.2 | 97.4 | 0.2 | 1.3 | 98.6 |
| Latino/Asian | 4.5 | 44.7 | 53.7 | 0.0 | 0.5 | 99.5 | 0.2 | 1.4 | 98.5 | 0.1 | 2.2 | 97.8 |