|  |  |  |
| --- | --- | --- |
|  | Math: β (95% CrI) | RLA: β (95% CrI) |
| Tropical cyclone exposure | 0.00 (-0.05, 0.05) | 0.01 (-0.04, 0.05) |
| Native American | -1.13 (-1.95, -0.31) | -1.64 (-2.35, -0.94) |
| Hispanic/Latino | -0.97 (-1.13, -0.80) | -1.63 (-1.77, -1.49) |
| Black | -1.99 (-2.16, -1.83) | -2.25 (-2.40, -2.10) |
| Free-lunch eligible | -0.31 (-0.39, -0.24) | 0.14 (0.08, 0.20) |
| Reduced-price lunch eligible | -0.20 (-0.47, 0.07) | 0.47 (0.24, 0.69) |
| Economically disadvantaged | -0.04 (-0.11, 0.03) | -0.60 (-0.66, -0.54) |
| English language learner | 0.59 (0.12, 1.06) | -1.13 (-1.52, -0.75) |
| Urban | 0.12 (-0.03, 0.27) | 0.21 (0.08, 0.33) |
| Log of median income | 0.07 (-0.04, 0.18) | 0.01 (-0.08, 0.10) |
| Bachelor's degree rate | 2.01 (1.67, 2.35) | 1.79 (1.51, 2.08) |
| Poverty rate | -0.75 (-1.07, -0.43) | -0.05 (-0.31, 0.21) |
| SNAP receipt rate | -0.22 (-0.50, 0.06) | 0.19 (-0.04, 0.43) |
| Single-mom household rate | 0.08 (-0.23, 0.38) | 0.05 (-0.21, 0.30) |

Table 1. Full regression results of county-level standardized test scores on hurricane exposure and covariates, national model

Table 2. Regression of county-level standardized test scores on hurricane exposure and covariates, state-specific results

|  |  |  |
| --- | --- | --- |
|  | Math: β (LL, UL) | RLA: β (LL, UL) |
| Overall | 0.00 (-0.05, 0.05) | 0.00 (-0.04, 0.05) |
| Alabama (1) | 0.13 (-0.04, 0.32) | 0.04 (-0.08, 0.17) |
| Florida (12) | 0.19 (0.11, 0.27) | 0.07 (0.00, 0.13) |
| Georgia (13) | -0.07 (-0.17, 0.03) | 0.00 (-0.08, 0.08) |
| Louisiana (22) | -0.02 (-0.26, 0.21) | 0.00 (-0.16, 0.16) |
| New Jersey (34) | -0.12 (-0.34, 0.06) | -0.03 (-0.17, 0.10) |
| North Carolina (37) | -0.15 (-0.26, -0.04) | 0.04 (-0.05, 0.13) |
| South Carolina (45) | -0.19 (-0.42, 0.06) | 0.02 (-0.12, 0.15) |
| Texas (48) | -0.10 (-0.21, 0.01) | -0.13 (-0.21, -0.05) |

Note: LL = lower limit, UL = upper limit

|  |  |  |
| --- | --- | --- |
|  | Math: β (95% CrI) | RLA: β (95% CrI) |
| Tertile 1 | 0.00 (reference) | 0.00 (reference) |
| Tertile 2 | -0.06 (-0.46, 0.35) | -0.10 (-0.45, 0.26) |
| Tertile 3 | -0.01 (-0.41, 0.39) | -0.04 (-0.39, 0.31) |

Table 3. Effect measure modification by grade cohort race/ethnicitya: hurricane coefficient/interaction term coefficients

1. Percentage of Black, Hispanic/Latinx, and Native American students

|  |  |  |
| --- | --- | --- |
|  | Math: β (95% CrI) | RLA: β (95% CrI) |
| Tertile 1 | 0.00 (reference) | 0.00 (reference) |
| Tertile 2 | -0.09 (-0.20, 0.02) | -0.12 (-0.21, -0.03) |
| Tertile 3 | -0.08 (-0.20, 0.03) | -0.04 (-0.14, 0.06) |

Table 3. Effect measure modification by county poverty rate: hurricane coefficient/interaction term coefficients