

**Supplementary Information for**

Disruption to Test Scores after Hurricanes in the United States

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Table S1

| *Variable* | **Math**  (β, 95% CrI, probability) | **Reading/Language Arts**  (β, 95% CrI, probability) |
| --- | --- | --- |
| Storm Exposure by State |  |  |
| National | 0.00 (-0.05, 0.05), 50.0% | 0.00 (-0.04, 0.04), 50.0% |
| Alabama | 0.13 (-0.04, 0.32), 93.0% | 0.03 (-0.09, 0.16), 70.1% |
| Florida | 0.19 (0.11, 0.27), >99.9% | 0.05 (-0.01, 0.12), 95.5% |
| Georgia | -0.06 (-0.16, 0.04), 90.3% | 0.01 (-0.07, 0.09), 56.5% |
| Louisiana | -0.01 (-0.25, 0.22), 54.5% | 0.00 (-0.15, 0.16), 52.2% |
| New Jersey | -0.13 (-0.33, 0.06), 88.8% | -0.02 (-0.16, 0.10), 64.0% |
| North Carolina | -0.15 (-0.26, -0.04), 99.5% | 0.03 (-0.05, 0.12), 78.2% |
| South Carolina | -0.19 (-0.40, 0.00), 97.2% | 0.02 (-0.11, 0.15), 59.8% |
| Texas | -0.09 (-0.21, 0.02), 94.9% | -0.12 (-0.20, -0.04), 99.9% |
| Grade-Cohort Percent Race/Ethnicity |  |  |
| American Indian/Alaska Native | -1.17 (-1.99, -0.35), 99.8% | -1.70 (-2.41, -0.99), >99.9% |
| Asian | 2.85 (1.95, 3.75), >99.9% | 2.72 (1.97, 3.48), >99.9% |
| Hispanic | -0.97 (-1.13, -0.80), >99.9% | -1.60 (-1.74, -1.46), >99.9% |
| Black | -2.02 (-2.19, -1.85), >99.9% | -2.24 (-2.39, -2.10), >99.9% |
| Percent Grade-Cohort Receiving Free Lunch | -0.28 (-0.35, -0.21), >99.9% | 0.09 (0.03, 0.15), 99.9% |
| Percent Grade-Cohort Economically Disadvantaged | -0.05 (-0.12, 0.02), 93.9% | -0.57 (-0.63, -0.51), >99.9% |
| Percent County English Language Learners | 0.60 (0.13, 1.07), 99.4% | -1.07 (-1.45, -0.68), >99.9% |
| Percent County Urban Schools | 0.13 (-0.02, 0.28), 95.2% | 0.20 (0.07, 0.33), 99.9% |
| Percent County Special Education Students | 0.31 (-0.02, 0.64), 95.9% | 0.87 (0.59, 1.16), >99.9% |
| Percent County College-Educated Adults | 2.05 (1.72, 2.39), >99.9% | 1.74 (1.46, 2.01), >99.9% |
| County Poverty Rate | -0.83 (-1.11, -0.54), >99.9% | -0.08 (-0.31, 0.16), 64.4% |
| Percent County Single Mother Households | 0.05 (-0.25, 0.36), 52.2% | 0.07 (-0.19, 0.32), 72.5% |

**Table S1.** National and State-Specific Associations between Hurricane-Force Tropical Cyclones and Standardized Test Scores; 95% CrI = 95% credible interval, probability = Posterior probability of positive/negative association