

**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 | -0.04 (-0.11, 0.03), | 0.00 (-0.06, 0.07), |
| Florida | 0.14 (0.02, 0.26), 99.0% | 0.11 (0.02, 0.22), 99.2% |
| Louisiana | -0.05 (-0.30, 0.15), 69.9% | 0.00 (-0.15, 0.16), 50.2% |
| New Jersey | -0.11 (-0.31, 0.06), 88.7% | -0.04 (-0.18, 0.09), 71.1% |
| North Carolina | -0.16 (-0.29, -0.03), 99.4% | -0.05 (-0.15, 0.05), 82.4% |
| South Carolina | -0.12 (-0.35, 0.06), 90.0% | -0.01 (-0.15, 0.12), 54.5% |
| Texas | 0.03 (-0.09, 0.16), 66.0% | -0.04 (-0.14, 0.05), 81.2% |
| Grade-Cohort Percent Race/Ethnicity |  |  |
| American Indian/Alaska Native | -1.45 (-2.38, -0.51), 99.9% | -2.02 (-2.84, -1.19), 99.9% |
| Asian | 1.78 (0.70, 2.86), 99.9% | 1.79 (0.86, 2.71), 99.9% |
| Black | -1.71 (-1.93, -1.48), 99.9% | -2.27 (-2.46, -2.07), 99.9% |
| Hispanic | -0.96 (-1.14, -0.78), 99.9% | -1.66 (-1.81, -1.51), 99.9% |
| Percent Grade-Cohort Economically Disadvantaged | -0.49 (-0.59, -0.38), 99.9% | -0.98 (-1.06, -0.89), 99.9% |
| Percent Grade-Cohort Receiving Free Lunch | -0.45 (-0.53, -0.37), 99.9% | 0.02 (-0.05, 0.09), 71.6% |
| Percent County English Language Learners | 0.66 (0.14, 1.19), 99.2% | -1.61 (-2.05, -1.18), 99.9% |
| Percent County Special Education Students | -1.73 (-2.25, -1.20), 99.9% | 0.37 (-0.09, 0.82), 94.6% |
| Percent County College-Educated Adults | 1.64 (1.25, 2.03), 99.9% | 1.44 (1.12, 1.77), 99.9% |
| County Poverty Rate | -0.75 (-1.08, -0.42), 99.9% | 0.33 (0.06, 0.60), 99.4% |
| Percent County Single Mother Households | -0.12 (-0.50, 0.25), 73.5% | -0.27 (-0.57, 0.03), 96.1% |
| Percent County Urban Schools | 0.16 (0.00, 0.32), 97.8% | 0.24 (0.10, 0.38), 99.9% |

**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