|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Model A fixed terms** | | | **Model A locally varying terms** | | | | | | **Model B fixed terms** | | | **Model B locally varying terms** | | | | | |
| **Predictor** | **Est.** | **SE** | **Z** | **MIN** | **LQ** | **MD** | **UQ** | **MAX** | **STD** | **Est.** | **SE** | **Z** | **MIN** | **LQ** | **MD** | **UQ** | **MAX** | **STD** |
| *Intercept* |  |  |  | -0.430 | -0.348 | 0.226 | 0.432 | 0.487 | 0.344 |  |  |  | -0.035 | -0.015 | 0.213 | 0.354 | 0.387 | 0.164 |
| Age 35-54 years |  |  |  | -0.697 | -0.637 | -0.321 | -0.085 | 0.134 | 0.262 |  |  |  | -0.464 | -0.445 | -0.289 | -0.134 | -0.085 | 0.144 |
| Age 55 years or older | -0.573 | 0.159 | -3.610 |  |  |  |  |  |  | -0.545 | 0.150 | -3.636 |  |  |  |  |  |  |
| Male gender | 0.135 | 0.107 | 1.259 |  |  |  |  |  |  | 0.143 | 0.106 | 1.352 |  |  |  |  |  |  |
| High school degree or equivalent | -0.397 | 0.161 | -2.464 |  |  |  |  |  |  | -0.367 | 0.158 | -2.319 |  |  |  |  |  |  |
| More than high school degree | -0.093 | 0.165 | -0.565 |  |  |  |  |  |  | -0.072 | 0.163 | -0.443 |  |  |  |  |  |  |
| Predisaster probable PTSD |  |  |  | -0.756 | -0.519 | -0.354 | -0.169 | -0.019 | 0.210 |  |  |  | -0.397 | -0.380 | -0.199 | -0.172 | -0.083 | 0.104 |
| Predisaster probable major depression | -0.406 | 0.116 | -3.491 |  |  |  |  |  |  | -0.382 | 0.112 | -3.410 |  |  |  |  |  |  |
| Any personal property loss | -0.176 | 0.117 | -1.501 |  |  |  |  |  |  | -0.173 | 0.115 | -1.499 |  |  |  |  |  |  |
| Any loss of sentimental possessions or pets | -0.115 | 0.122 | -0.944 |  |  |  |  |  |  | -0.176 | 0.113 | -1.555 |  |  |  |  |  |  |
| Financial loss as a result of Ike | -0.335 | 0.112 | -3.003 |  |  |  |  |  |  | -0.350 | 0.110 | -3.195 |  |  |  |  |  |  |
| Medium peri-event emotional reactions | -0.391 | 0.111 | -3.513 |  |  |  |  |  |  | -0.379 | 0.109 | -3.474 |  |  |  |  |  |  |
| High peri-event emotional reactions | -0.682 | 0.123 | -5.528 |  |  |  |  |  |  | -0.648 | 0.119 | -5.432 |  |  |  |  |  |  |
| Collective efficacy | 0.268 | 0.114 | 2.338 |  |  |  |  |  |  | 0.281 | 0.112 | 2.519 |  |  |  |  |  |  |
| Pseudo R2 | 0.233 |  |  |  |  |  |  |  |  | 0.219 |  |  |  |  |  |  |  |  |

Supplementary material Table 6: Local variation of predictors for mental health wellness, with 20% and 40% of the population used as bandwidth in model A and model B, respectively.  
Notes: Est., SE, and Z are the regression coefficient estimates, standard errors, and z-values, respectively. MIN, LQ, MD, UQ, MAX, and STD are minimum values, lower quartiles, median, upper quartiles, maximum values, and standard deviations of locally varying regression coefficient estimates across all locations, respectively.