**Supplemental. Comparison of models of linear and quadratic relationship between PTGI and PTSD and depression.**

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| **Relationship** | **Models** | ***B*** | ***R2*** |
| **Linear** | PTGI ~ PTSD  | 0.32 | 0.088 |
| **Quadratic** | PTGI2 ~ PTSD  | 12.45 | 0.056 |
| **Quadratic Mean Centered** | Mean Centered PTGI2 ~ PTSD  | -2.54 | 0.028 |
|     |
| **Linear** | PTGI ~ Depression Continuous | 1.04 | 0.015 |
| **Quadratic** | PTGI2 ~ Depression Continuous | 27.10 | 0.004 |
| **Quadratic Mean Centered** | Mean Centered PTGI2 ~ Depression Continuous | -20.98 | 0.031 |
|     |
| **Linear** | PTGI ~ Depression Binary | 4.10 | 0.013 |
| **Quadratic** | PTGI2 ~ Depression Binary | 133.85 | 0.006 |
| **Quadratic Mean Centered** | Mean Centered PTGI2 ~ Depression Binary | -55.95 | 0.012 |
|     |
| **Linear** | PTGI ~ PTSD + Depression Binary + Covariates |   | 0.170 |
|  |  PTSD | 0.25 |   |
|  |  Depression Binary | -1.50 |   |
| **Quadratic** | PTGI2 ~ PTSD + Depression Binary + Covariates |   | 0.131 |
|  |  PTSD | 10.32 |   |
|  |  Depression Binary | -63.41 |   |
| **Quadratic Mean Centered** | Mean Centered PTGI2 ~ PTSD + Depression Binary + Covariates |   | 0.070 |
|  |  PTSD | 1.03 |   |
|  |  Depression Binary | 6.14 |   |
|     |
| **Linear** | PTGI ~ PTSD|Depression Binary | -0.29 | 0.104 |
| **Quadratic** | PTGI2 ~ PTSD|Depression Binary | -9.67 | 0.067 |
| **Quadratic Mean Centered** | Mean centered PTGI2 ~ PTSD|Depression Binary | 3.61 | 0.037 |

*Note.* B = parameter estimate, R2 = coefficient of variation. Models for the outcomes PTGI linear, PTGI2 not mean centered, and PTGI2 mean centered are presented. Covariates are age, race, gender, Hispanic ethnicity, alcohol misuse, smoking, probably anxiety, history of mental illness, current treatment status, recreational drug use, elapsed time since Sandy, and hurricane exposure.