

**Supplemental Table 1.** Childhood Traumatic Events Scale (CTES)

|      | Question 1                                                                                  | Question 2                                                                                             | Question 3                                                                                  | Question 4                                                                                                          | Question 5                                                 | Question 6                                                                                                                                 |
|------|---------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| CTES | Prior to the age of 17, did you experience a death of a very close friend or family member? | Prior to the age of 17, was there a major upheaval between your parents (such as divorce, separation)? | Prior to the age of 17, did you have a traumatic sexual experience (raped, molested, etc.)? | Prior to the age of 17, were you a victim of violence (child abuse, mugged or assaulted—other than sexual assault)? | Prior to the age of 17, were you extremely ill or injured? | Prior to the age of 17, did you experience any other major upheaval that you think may have shaped your life or personality significantly? |

**Supplemental Table 2.** Example words and sentiment values for the AFINN, Bing, and NRC Dictionaries

| Word       | AFINN | Bing     | NRC                                     |
|------------|-------|----------|-----------------------------------------|
| abandon    | -2    | -        | negative, fear, sadness                 |
| abilities  | +2    | -        | positive                                |
| abuse      | -3    | negative | anger, disgust, fear, negative, sadness |
| absentee   | -1    | negative | negative, sadness                       |
| accomplish | +2    | positive | joy, positive                           |

Blank spaces indicate that the word is not present in the dictionary.

**Supplemental Table 3.** Pearson's correlation coefficients for sentiment scores and EPDS score

| Timepoint | AFINN       |                | BING        |                | NRC         |                |
|-----------|-------------|----------------|-------------|----------------|-------------|----------------|
|           | <i>Corr</i> | <i>p-value</i> | <i>Corr</i> | <i>p-value</i> | <i>Corr</i> | <i>p-value</i> |
| W2        | 0.14        | .18            | 0.05        | .63            | 0.11        | .26            |
| W6        | 0.09        | .36            | -0.01       | .91            | -0.03       | .76            |
| M3        | 0.06        | .57            | 0.02        | .86            | 0.02        | .86            |
| M6        | 0.10        | .39            | 0.00        | .99            | 0.08        | .50            |