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| **Supplementary Table 1. Variation in baseline socio-demographic variables across subsamples of baseline respondents with full ED, 2-week, and 8-week data compared to those with only partial data**  |
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|  | **All** |  | **ED Only** |  | **ED + 2-week**  |  | **ED + 8-week**  |  | **Full ED + 2-week + 8-week**  |  |  |
|  | **Est1** | **SE** |  |  **Est1** | **SE** |  | **Est1** | **SE** |  | **Est1** | **SE** |  | **Est1** | **SE** |  | **2/ F-test2** |
| Age (%) |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 36.2\* |
| 50+ | 15.5 | (1.1) |  | 12.5 | (2.3) |  | 3.3 | (1.6) |  | 19.0 | (6.1) |  | 18.3 | (1.5) |  | 19.4\* |
| 35-49 | 26.2 | (1.4) |  | 19.0 | (2.8) |  | 23.3 | (3.9) |  | 28.6 | (7.0) |  | 28.7 | (1.8) |  | 8.1\* |
| 25-34 | 33.0 | (1.5) |  | 38.5 | (3.4) |  | 41.7 | (4.5) |  | 21.4 | (6.3) |  | 30.5 | (1.8) |  | 11.3\* |
| 18-24 | 25.4 | (1.4) |  | 30.0 | (3.2) |  | 31.7 | (4.2) |  | 31.0 | (7.1) |  | 22.5 | (1.6) |  | 8.3\* |
| Sex (female) | 68.4 | (1.5) |  | 59.0 | (3.5) |  | 60.0 | (4.5) |  | 64.3 | (7.4) |  | 73.0 | (1.7) |  | 18.9\* |
| Race-ethnicity (%) |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 13.9 |
| Non-Hispanic Black | 55.3 | (1.6) |  | 52.0 | (3.5) |  | 52.5 | (4.6) |  | 69.0 | (7.1) |  | 55.9 | (1.9) |  | 4.6 |
| Non-Hispanic White | 29.1 | (1.4) |  | 28.5 | (3.2) |  | 30.0 | (4.2) |  | 14.3 | (5.4) |  | 30.0 | (1.8) |  | 4.8 |
| Hispanic | 12.2 | (1.0) |  | 14.5 | (2.5) |  | 16.7 | (3.4) |  | 14.3 | (5.4) |  | 10.5 | (1.2) |  | 5.2 |
| Other | 3.5 | (0.6) |  | 5.0 | (1.5) |  | 0.8 | (0.8) |  | 2.4 | (2.4) |  | 3.6 | (0.7) |  | 4.0 |
| Marital status (%) |   |  |  |   |  |  |  |  |  |  |  |  |  |  |  | 13.5\* |
| Married/cohabitating | 41.1 | (1.5) |  | 39.5  | (3.5) |  | 36.7 | (4.4) |  | 40.5 | (7.6) |  | 42.5 | (1.9) |  | 1.7 |
| Previously married3 | 12.0 | (1.0) |  | 9.5  | (2.1) |  | 5.8 | (2.1) |  | 9.5 | (4.5) |  | 14.0 | (1.3) |  | 8.2\* |
| Never married | 46.9 | (1.6) |  | 51.0  | (3.5) |  | 57.5 | (4.5) |  | 50.0 | (7.7) |  | 43.5 | (1.9) |  | 9.9\* |
| Education (%) |   |  |  |   |  |  |  |  |  |  |  |  |  |  |  | 31.6\* |
| College graduate | 18.4 | (1.2) |  | 13.5  | (2.4) |  | 10.0 | (2.7) |  | 7.1 | (4.0) |  | 22.1 | (1.6) |  | 18.4\* |
| Some college | 43.2 | (1.5) |  | 38.5  | (3.4) |  | 46.7 | (4.6) |  | 42.9 | (7.6) |  | 44.0 | (1.9) |  | 2.6 |
| High school graduate | 26.7 | (1.4) |  | 30.0  | (3.2) |  | 30.8 | (4.2) |  | 40.5 | (7.6) |  | 24.0 | (1.7) |  | 8.7\* |
| Less than high school | 11.8 | (1.0) |  | 18.0  | (2.7) |  | 12.5 | (3.0) |  | 9.5 | (4.5) |  | 9.9 | (1.2) |  | 10.0\* |
| Income4 (%) |   |  |  |   |  |  |  |  |  |  |  |  |  |  |  | 0.8 |
| More than $35k | 34.1 | (1.7) |  | --  | -- |  | 32.5 | (4.3) |  | -- | -- |  | 34.4 | (1.8) |  | 0.2 |
| $19k-$35k | 31.4 | (1.7) |  | --  | -- |  | 35.0 | (4.4) |  | -- | -- |  | 30.8 | (1.8) |  | 0.8 |
| Less than $19k | 34.5 | (1.7) |  | --  | -- |  | 32.5 | (4.3) |  | -- | -- |  | 34.8 | (1.8) |  | 0.2 |
| Employed (yes vs. no) | 77.6 | (1.5) |  | --  | -- |  | 80.8 | (3.6) |  | -- | -- |  | 77.0 | (1.6) |  | 0.8 |
|  (n) | (1028) |  | (200) |  | (120) |  | (42) |  | (666) |  |   |
|  |

\*Significant difference across subgroups the .05 level, two-sided test.
1Entries are either percentages (%) or means (M).

22 reported for percentages; F-testreported for means.

3Separated, divorced, or widowed.

4Family income before taxes.

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| **Supplementary Table 2. Variation in MVC characteristics across subsamples of baseline respondents with full ED, 2-week, and 8-week data compared to those with only partial data**  |
|  |
|  | **All** |  | **ED Only** |  | **ED + 2-week**  |  | **ED + 8-week** |  | **Full ED + 2-week + 8-week**  |  |  |
|  | **Est1** | **SE** |  |  **Est1** | **SE** |  | **Est1** | **SE** |  | **Est1** | **SE** |  | **Est1** | **SE** |  | **2/ F-test2** |
| Role in MVC (%) |   |  |  |   |  |  |  |  |  |  |  |  |  |  |  | 7.6 |
| Passenger | 24.6 | (1.3) |  | 28.5 | (3.2) |  | 25.0 | (4.0) |  | 26.2 | (6.8) |  | 23.3 | (1.6) |  | 2.3 |
| Driver with others | 20.3 | (1.3) |  | 20.0  | (2.8) |  | 23.3 | (3.9) |  | 31.0 | (7.1) |  | 19.2 | (1.5) |  | 4.1 |
| Driver alone | 55.1 | (1.6) |  | 51.5 | (3.5) |  | 51.7 | (4.6) |  | 42.9 | (7.6) |  | 57.5 | (1.9) |  | 5.7 |
| Your vehicle collided with |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 6.5 |
| Other moving vehicle | 67.9 | (1.5) |  | 65.0 | (3.4) |  | 71.7 | (4.1) |  | 71.4 | (7.0) |  | 67.9 | (1.8) |  | 1.8 |
| Stationary object | 17.5 | (1.2) |  | 21.5 | (2.9) |  | 10.8 | (2.8) |  | 16.7 | (5.8) |  | 17.5 | (1.5) |  | 5.9 |
| Other3 | 14.6 | (1.1) |  | 13.5 | (2.4) |  | 17.5 | (3.5) |  | 11.9 | (5.0) |  | 14.6 | (1.4) |  | 1.2 |
| Damage to your vehicle (%) |   |  |  |   |  |  |  |  |  |  |  |  |  |  |  | 6.2 |
| Severe | 58.8 | (1.5) |  | 59.0 | (3.5) |  | 60.0 | (4.5) |  | 61.9 | (7.5) |  | 58.3 | (1.9) |  | 0.3 |
| Moderate | 26.3 | (1.4) |  | 26.5 | (3.1) |  | 28.3 | (4.1) |  | 16.7 | (5.8) |  | 26.4 | (1.7) |  | 2.3 |
| Minor | 9.1 | (0.9) |  | 9.5 | (2.1) |  | 9.2 | (2.6) |  | 11.9 | (5.0) |  | 8.9 | (1.1) |  | 0.5 |
| Other4 | 5.8 | (0.7) |  | 5.0 | (1.5) |  | 2.5 | (1.4) |  | 9.5 | (4.5) |  | 6.5 | (1.0) |  | 4.2 |
| Passengers with injuries (0-4 standardized) (M)5 | -0.0 | (0.0) |  | 0.0  | (0.1) |  | -0.0 | (0.1) |  | 0.3 | (0.2) |  | -0.0 | (0.0) |  | 1.3 |
| Others with injuries (any vs. none)5 | 9.6 | (0.9) |  | 9.0  | (2.0) |  | 7.5 | (2.4) |  | 9.5 | (4.5) |  | 10.2 | (1.2) |  | 1.0 |
| Transportation to ED |   |  |  |   |  |  |  |  |  |  |  |  |  |  |  | 6.0 |
| Ambulance | 56.8 | (1.5) |  | 55.5  | (3.5) |  | 52.5 | (4.6) |  | 57.1 | (7.6) |  | 58.0 | (1.9) |  | 1.4 |
| Other immediately | 14.8 | (1.1) |  | 17.5  | (2.7) |  | 13.3 | (3.1) |  | 7.1 | (4.0) |  | 14.7 | (1.4) |  | 3.3 |
| Other delay | 28.4 | (1.4) |  | 27.0  | (3.1) |  | 34.2 | (4.3) |  | 35.7 | (7.4) |  | 27.3 | (1.7) |  | 3.6 |
| Personal injuries6 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Hit head (yes vs. no) | 49.0 | (1.6) |  | 49.5  | (3.5) |  | 50.0 | (4.6) |  | 47.6 | (7.7) |  | 48.8 | (1.9) |  | 1.7 |
| Admitted (yes vs. no) | 4.0 | (0.6) |  | 2.0  | (1.0) |  | 6.7 | (2.3) |  | 4.8 | (3.3) |  | 4.1 | (0.8) |  | 4.4 |
| Severity of pain (M)7 | -0.0 | (0.0) |  | 0.0  | (0.1) |  | -0.1 | (0.1) |  | 0.3 | (0.2) |  | -0.0 | (0.0) |  | 1.3 |
| Somatic of other somatic symptoms (M)8 | -0.0 | (0.0) |  | 0.0  | (0.1) |  | 0.0 | (0.1) |  | 0.4 | (0.2) |  | -0.0 | (0.0) |  | 2.4 |
|  (n) | (1028) |  | (200) |  | (120) |  | (42) |  | (666) |  |   |
|  |

\*Significant difference across subgroups the .05 level, two-sided test.
1Entries are either percentages (%) or standardized means (M).

22 reported for percentages; F-testreported for means.
3No collision (n=81), “other” (n=8), and “don’t know’ (n=8).

4None (n=12) and “don’t know” (n=31).

5Moderate or severe injuries.

6MTBI and AIS-Max both of which are reported in tables 3 and 5 not reported here.

7Self-reported 0-10 scale on pain intensity right now, standardized to mean=0 and standard deviation=1.

8Sum of all differences in each somatic symptom between 30-day (self-reported 0-10 scale) and right now (self-reported 0-10 scale), standardized to mean=0 and standard deviation=1.

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| **Supplementary Table 3. Variation in pre-MVC depression, peritraumatic symptoms, and 2-week depression across subsamples of baseline respondents with full ED, 2-week, and 8-week data compared to those with only partial data**  |
|  |
|  | **All** |  | **ED Only** |  | **ED + 2-week**  |  | **ED + 8-week** |  | **ED + 2-week + 8-week** |  |  |
|  | **Est1** | **SE** |  |  **Est1** | **SE** |  | **Est1** | **SE** |  | **Est1** | **SE** |  | **Est1** | **SE** |  | **2/ F-test2** |
| Continuous PROMIS depression score 30 day before MVC (M) | 48.6 | (0.3) |  | 48.3  | (0.8) |  | 48.5 | (1.0) |  | 51.9 | (1.9) |  | 48.5 | (0.4) |  | 1.5 |
| Peritraumatic distress (M) | -0.0 | (0.0) |  | -0.2  | (0.1) |  | -0.0 | (0.1) |  | 0.2 | (0.2) |  | 0.0 | (0.0) |  | 3.2\* |
| Peritraumatic dissociation (M) | -0.0 | (0.0) |  | -0.1  | (0.1) |  | 0.0 | (0.1) |  | 0.2 | (0.2) |  | 0.0 | (0.0) |  | 1.3 |
| 2-week depression diagnosis (%) | 30.5 | (1.6) |  | -- | -- |  | 30.8 | (4.2) |  | -- | -- |  | 30.5 | (1.8) |  | 0.0 |
| 2-week continuous PROMIS depression score (M) | 55.1 | (0.4) |  | -- | -- |  | 54.8 | (1.0) |  | -- | -- |  | 55.1 | (0.4) |  | 0.1 |
| (n) | (1028) |  | (200) |  | (120) |  | (42) |  | (666) |  |   |
|  |

\*Significant difference across subgroups the .05 level, two-sided test.
1Entries are either percentages (%) or means (M).
22 reported for percentages; F-testreported for means.