**ONLINE APPENDIX**

**Supplemental Table S1** Comparison of Participants with Complete and Missing Data, Weighted

|  |  |  |  |
| --- | --- | --- | --- |
| Variables (%) | Complete Data (*N*=1510) | Missing Data (*N*=93) | *p* |
| Sex |  |  | 0.1437 |
| Male | 49.06% | 35.81% |  |
| Female | 50.94% | 64.19% |  |
| Age (years) |  |  | 0.0036 |
| 18-29 | 21.79% | 47.06% |  |
| 30-44 | 33.50% | 13.83% |  |
| 45-59 | 28.94% | 25.69% |  |
| 60+ | 15.77% | 13.42% |  |
| Race |  |  | 0.0008 |
| Non-Hispanic White | 61.24% | 32.93% |  |
| Hispanic or Latino | 19.09% | 28.59% |  |
| Non-Hispanic Black | 13.15% | 31.22% |  |
| Non-Hispanic Asian | 6.52% | 7.26% |  |
| Marital status |  |  | 0.9218 |
| Married/living with partner | 57.39% | 55.06% |  |
| Never married | 26.36% | 26.05% |  |
| Divorced/widowed/separated | 16.25% | 18.89% |  |
| Educational attainment |  |  | <0.0001 |
| University or more | 38.52% | 14.47% |  |
| Some college | 27.48% | 22.43% |  |
| High school or less | 34.00% | 63.10% |  |
| Household income (annual U.S. dollars) |  |  | 0.1622 |
| > 99,999 | 25.82% | 11.90% |  |
| 40,000-99,999 | 45.38% | 47.47% |  |
| < 40,000 | 28.80% | 40.63% |  |
| Exercise |  |  | 0.3990 |
| More than 60 mins/day | 19.76% | 24.42 |  |
| 30-60 mins/day | 28.04% | 10.83 |  |
| Less than 30 mins/day | 52.20% | 64.75 |  |
| Smoking |  |  | 0.4126 |
| No | 81.62% | 88.24% |  |
| Yes | 18.38% | 11.76% |  |
| Alcohol |  |  | 0.2439 |
| No drinking | 45.02% | 64.48% |  |
| Moderate drinking | 43.20% | 28.74% |  |
| Heavy drinking | 11.78% | 6.78% |  |
| Negative employment change |  |  | 0.8991 |
| No change | 56.65% | 61.00% |  |
| Pay cut | 19.13% | 15.20% |  |
| Temporary unemployment | 10.53% | 11.55% |  |
| Permanent job loss | 13.69% | 12.25% |  |
| Psychological distress (mean) | 6.90 | 8.51 | <0.0001 |

Differences were determined by Student’s *t* test or Chi-square test.

**Supplemental Table S2** Prevalence of Serious Mental Illness (*N*=1510), the Health, Ethnicity, and Pandemic (HEAP) Study, 2020, Weighted

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Variables (%) | Non-hispanic White, single race (*unweighted N=273, weighted=885, 61.24%*) | Hispanic or Latino (*unweighted N=332, weighted N=276, 19.09%*) | Non-hispanic Black, single race (*unweighted N*=*356*, *weighted 190, 13.15%*) | Non-hispanic Asian, single race (*unweighted N*=*549*, *weighted 94, 6.52%*) | Total (*N*=1510) |
| Serious mental illness |  |  |  |  |  |
| No | 85.32% | 79.55% | 85.64% | 83.57% | 84.15% |
| Yes | 14.68% | 20.45% | 14.36% | 16.43% | 15.85% |

**Supplemental Table S3** Associations of Negative Employment Change with Serious Mental Illness (*N*=1510), the Health, Ethnicity, and Pandemic (HEAP) Study, 2020

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Negative Employment Change | Unadjusted  (OR and 95% CI) | Model I  (OR and 95% CI) | Model II  (OR and 95% CI) | Model III  (OR and 95% CI) |
| No change | 1.00 | 1.00 | 1.00 | 1.00 |
| Pay cut | 1.62 (0.81, 3.27) | 1.57 (0.77, 3.18) | 1.61 (0.81, 3.21) | 1.48 (0.75, 2.91) |
| Temporary unemployment | 1.40 (0.60, 3.27) | 1.71 (0.76, 3.87) | 1.59 (0.67, 3.78) | 1.56 (0.67, 3.67) |
| Permanent job loss | 4.06 (2.01, 8.19) | 3.53 (1.69, 7.34) | 2.75 (1.33, 5.69) | 2.37 (1.15, 4.89) |

Multivariable logistic regression.

Model I: adjustment for age and sex;

Model II: Model I + additional adjustment for race, marital status, educational attainment, and household income;

Model III: Model II + additional adjustment for smoking, alcohol consumption, and physical exercise.

**Supplemental Table S4** Associations of Negative Employment Change with Serious Mental Illness by Race (*N*=1510), the Health, Ethnicity, and Pandemic (HEAP) Study, 2020

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Race | Negative Employment change | Unadjusted  (OR and 95% CI) | Model I  (OR and 95% CI) | Model II  (OR and 95% CI) | Model III  (OR and 95% CI) |
| Non-hispanic White, single race | No change | 1.00 | 1.00 | 1.00 | 1.00 |
| Pay cut | 1.13 (0.35, 3.67) | 1.10 (0.33, 3.69) | 1.30 (0.39, 4.37) | 1.11 (0.35, 3.50) |
| Temporary unemployment | 1.29 (0.31, 5.44) | 2.25 (0.59, 8.59) | 2.32 (0.62, 8.73) | 2.03 (0.48, 8.63) |
| Permanent job loss | 4.44 (1.38, 14.22) | 3.99 (1.01, 15.83) | 4.34 (1.11, 16.95) | 3.22 (0.69, 15.08) |
| Hispanic or Latino | No change | 1.00 | 1.00 | 1.00 | 1.00 |
| Pay cut | 2.42 (0.92, 6.32) | 2.38 (0.94, 6.03) | 2.46 (0.90, 6.74) | 2.61 (0.87, 7.84) |
| Temporary unemployment | 0.89 (0.27, 2.97) | 0.79 (0.22, 2.81) | 0.59 (0.12, 2.77) | 0.58 (0.12, 2.75) |
| Permanent job loss | 2.65 (1.03, 6.79) | 2.22 (0.89, 5.53) | 1.34 (0.53, 3.39) | 1.18 (0.44, 3.15) |
| Non-hispanic Black, single race | No change | 1.00 | 1.00 | 1.00 | 1.00 |
| Pay cut | 3.55 (1.27, 9.91) | 3.51 (1.26, 9.80) | 3.13 (0.97, 10.14) | 2.61 (0.66, 10.33) |
| Temporary unemployment | 3.23 (0.80, 12.99) | 4.01 (0.99, 16.17) | 2.98 (0.63, 14.05) | 2.89 (0.55, 14.87) |
| Permanent job loss | 7.41 (2.69, 20.39) | 7.12 (2.53, 20.03) | 6.12 (1.86, 20.17) | 6.03 (1.90, 19.17) |
| Non-hispanic Asian, single race | No change | 1.00 | 1.00 | 1.00 | 1.00 |
| Pay cut | 2.86 (1.46, 5.61) | 2.81 (1.40, 5.66) | 2.80 (1.39, 5.64) | 2.85 (1.38, 5.86) |
| Temporary unemployment | 2.33 (1.07, 5.08) | 2.37 (1.07, 5.23) | 2.26 (0.97, 5.26) | 2.26 (1.02, 5.03) |
| Permanent job loss | 3.84 (1.83, 8.06) | 3.19 (1.51, 6.72) | 3.05 (1.42, 6.59) | 2.95 (1.36, 6.40) |

Multivariable logistic regression.

Model I: adjustment for age and sex;

Model II: Model I + additional adjustment for marital status, educational attainment, and household income;

Model III: Model II + additional adjustment for smoking, alcohol consumption, and physical exercise.