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| **Supplementary Table 1. Adjusted Odds Ratios (OR) and 95% Confidence Intervals (CI) for Associations Between Time Invariant Characteristics and Selected Kessler-6 (K6) Trajectory Group Memberships** |
| Characteristic | Moderate-Increasing vs Low-Stable (Ref) | Moderate-Increasing vs Moderate-Decreasing (Ref) |
| Sex | OR | 95% CI | OR | 95% CI |
|  Male (Ref) | - | - | - | - |
|  Female | 0.77\* | [0.67, 0.89] | 0.81\* | [0.66, 1.00] |
| Age at 9/11 (years) |  |  |  |  |
|  0-24 (Ref) | - | - | - | - |
|  25-44 | 1.13 | [0.88, 1.44] | 0.44\* | [0.27, 0.69] |
|  ≥45 | 0.87 | [0.67, 1.12] | 0.32\* | [0.20, 0.50] |
| Race |  |  |  |  |
|  Non-Hispanic White (Ref) | - | - | - | - |
|  Black | 0.96 | [0.74, 1.21] |  0.84\* | [0.60, 1.19] |
|  Hispanic | 1.26\* | [1.04, 1.52] |  0.58\* | [0.45, 0.75] |
|  Asian | 1.75\* | [1.33, 2.31] | 1.03 | [0.67, 1.60] |
|  Other | 1.80\* | [1.06, 3.07] | 1.62 | [0.69, 3.81] |
| Education at Wave 1 |  |  |  |  |
|  ≤High School or GED (Ref) | - | - | - | - |
|  Some College | 0.61\* | [0.69, 0.97] | 1.82\* | [1.43, 2.33] |
|  College Graduate | 0.63\* | [0.52, 0.75] | 1.70\* | [1.33, 2.17] |
|  Graduate Degree | 0.55\* | [0.45, 0.67] | 2.13\* | [1.58, 2.73] |
| Income at Wave 1 |  |  |  |  |
|  <$50,000 (Ref) | - | - | - | - |
|  $50,000-$100,000 | 0.74\* | [0.63, 0.85] | 1.62\* | [1.31, 2.01] |
|  >$100,000 | 0.57\* | [0.48, 0.67] | 2.08\* | [1.58, 2.90] |
| Eligibility Group  |  |  |  |  |
|  Rescue/Recovery Worker (Ref) | - | - | - | - |
|  Community Member | 1.01 | [0.88, 1.16] | 0.90 | [0.72, 1.11] |
| 9/11 Summary Exposure Scorea  |  |  |  |  |
|  None/Low (Ref) | - | - | - | - |
|  Moderate | 1.36\* | [1.13, 1.58] | 0.67\* | [0.51, 0.87] |
|  High | 1.68\* | [1.42, 1.99] | 0.59\* | [0.45, 0.78] |
|  Very High | 1.69\* | [1.32, 2.18] | 0.21\* | [0.15, 0.30] |
| Pre-9/11 Traumab |  |  |  |  |
|  No (Ref) | - | - | - | - |
|  Yes  | 1.06 | [0.94, 1.20] | 1.11 | [0.92, 1.34] |
| Post-9/11 Traumab |  |  |  |  |
|  No (Ref) | - | - | - | - |
|  Yes  | 2.12\* | [1.88, 2.40] | 0.95 | [0.78, 1.15] |
| Depression Diagnosisc |  |  |  |  |
|  No (Ref) | - | - | - | - |
|  Yes | 6.18\* | [5.47, 6.98] | 0.46\* | [0.38, 0.56] |
| *Note*. \*p<.05.  |  |  |  |  |
| aCount of traumatic experiences on 9/11 |  |  |  |  |
| bTraumatic events include events such as a serious accident at work, in a car, or somewhere else; an attack with a gun, knife or some other weapon; or a situation where someone used physical force or the threat of physical force to make them have some type of unwanted sexual contactcSelf-reported lifetime history of physician diagnosed depression |
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