**Supplementary Table 1. Goodness-of-fit for latent class models of baseline PSQ items**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Nclass** | **Log likelihood** | **Npar** | **df** | **BIC** | **Entropy** | **LMR** | **LMR p-value** | **BLRT p-value** |
| 1 | -350.081 | 5 | 26 | 725.282 | N/A | N/A | N/A | N/A |
| 2 | -313.904 | 11 | 20 | 683.071 | 0.92 | 70.031 | <0.0001 | <0.0001 |
| 3 | -296.138 | 17 | 14 | 677.681 | 1.00 | 34.392 | 0.0001 | <0.0001 |
| 4 | -286.851 | 23 | 8 | 689.251 | 0.94 | 17.977 | 0.0148 | <0.0001 |
| 5 | -281.122 | 29 | 2 | 707.937 | 0.99 | 10.303 | 0.0047 | <0.0001 |

Abbreviations: Nclass, number of classes; Npar, number of parameters; df, degree of freedom; BIC, Bayesian information criterion; LMR, Lo-Mendell-Rubin adjusted LRT test; BLRT, bootstrapped likelihood ratio test.

**Supplementary Table 2. Basic demographics of PE with and without follow-up**

|  |  |  |  |
| --- | --- | --- | --- |
|   | **With FU (N=105)** | **Without FU (N=47)** | **With FU vs. Without FUa** |
|   | Mean | SD | Mean | SD | U | p-value |
| **Age** | 44.77 | 14.82 | 40.28 | 14.09 | 2064.5 | 0.108 |
| **Years of education** | 13.22 | 5.48 | 13.06 | 5.06 | 2436.0 | 0.900 |
|  |  |  |  |  |  |  |
|   | **With FU (N=105)** | **Without FU (N=47)** | **With FU vs. Without FUb** |
|   | N | % | N | % | x2 | p-value |
| **Gender** |  |  |  |  |  |  |
|  Male | 29 | 27.6 | 11 | 23.4 | 0.297 | 0.585 |
|  Female | 76 | 72.4 | 36 | 76.6 |  |  |
| **Marital status** |  |  |  |  |  |  |
|  Married | 49 | 46.7 | 18 | 38.3 | 1.783 | 0.410 |
|  Single | 29 | 27.6 | 18 | 38.3 |  |  |
|  Previously marriedc | 27 | 25.7 | 11 | 23.4 |  |  |
| **Employment status** |  |  |  |  |  |  |
|  Working | 49 | 46.7 | 23 | 48.9 | 1.132 | 0.568 |
|  Economically inactived | 35 | 33.3 | 12 | 25.5 |  |  |
|  Unemployed or not working | 21 | 20.0 | 12 | 25.5 |  |  |
| **Household income (HKD)** |  |  |  |  |  |  |
|  Below 15,000 | 46 | 46.5 | 30 | 66.7 | 6.531 | 0.088 |
|  15,000 – 24,999 | 17 | 17.2 | 7 | 15.6 |  |  |
|  25,000 – 39,999 | 16 | 162.2 | 5 | 11.1 |  |  |
|  Above 40,000 | 20 | 20.2 | 3 | 6.7 |  |  |
| **Religion** |  |  |  |  |  |  |
|  Yes | 42 | 40.0 | 22 | 46.8 | 0.617 | 0.432 |
|  No | 63 | 60.0 | 25 | 53.2 |  |  |
| **Stressful life event** |  |  |  |  |  |  |
|  Yes | 85 | 81.0 | 41 | 87.2 | 0.904 | 0.342 |
|  No | 20 | 19.0 | 6 | 12.8 |  |  |

Abbreviations: PE, psychotic-like experience; FU, follow-up; HKD, Hong Kong Dollar (HKD = USD 7.8)

a Mann-Whitney U test.

b Chi-square test.

c Included separated, divorced and widowed.

d Included student, housewife and retiree.

e Fisher’s exact test.

**Supplementary Table 3. Health- and functioning-related factors of PE with and without follow-up at baseline**

|  |  |  |  |
| --- | --- | --- | --- |
|   | **With FU (N=105)** | **Without FU (N=47)** | **With FU vs. Without FUb** |
|   | Mean | SD | Mean | SD | U | p-value |
| **CIS-R** | 15.48 | 11.22 | 4.83 | 6.15 | 2359.0 | 0.732 |
| **BSS** | 2.88 | 5.88 | 0.44 | 2.03 | 2365.5 | 0.824 |
|   | **With FU (N=105)** | **Without FU (N=47)** | **With FU vs. Without FUb** |
|   | N/Total | %  | N/Total | % | x2 | p-value |
| **Depressive episode** | 17/105 | 16.2 | 11/47 | 23.4 | 1.124 | 0.289 |
| **GAD** | 24/105 | 22.9 | 13/47 | 27.7 | 0.407 | 0.524 |
| **OAD** | 17/105 | 16.2 | 7/47 | 14.9 | 0.041 | 0.839 |
| **MADD** | 25/105 | 24.0 | 8/47 | 17.0 | 0.933 | 0.334 |
| **Harmful drinkingb** | 6/105 | 5.7 | 5/47 | 10.6 | 1.173 | 0.317c |

Abbreviations: PE, psychotic-like experience; FU, follow-up; CIRS, Cumulative Illness Rating; CIS-R, Revised Clinical Interview Schedule; BSS; Beck Scale for Suicide Ideation; SOFAS, Social and Occupational Functioning; GAD, generalised anxiety disorder; OAD, other anxiety disorders; MADD, mixed anxiety and depressive disorder.

a Propensity score weighted regression.

b Alcohol Use Disorders Identification Test ≥ 8.

c Fisher’s exact test.

**Supplementary Table 4. Effects of time and (a) single versus multiple PE and (b) different latent classes on CIS-R and BSS, controlled for age, gender and years of education**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|   | **Type III SS** | **df** | **Mean Square** | **F** | **p-value** |
| **CIS-R** |  |  |  |  |  |
|  | time | 10.985 | 1 | 10.985 | 0.142 | 0.707 |
|  | group | 486.035 | 1 | 486.035 | 4.649 | 0.033 |
|  | time\*group | 143.973 | 1 | 143.973 | 1.868 | 0.175 |
| **BSS** |  |  |  |  |  |
|  | time | 9.771 | 1 | 9.771 | 0.604 | 0.439 |
|  | group | 189.233 | 1 | 189.233 | 7.126 | 0.009 |
|   | time\*group | 70.048 | 1 | 70.048 | 4.332 | 0.040 |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|   | **Type III SS** | **df** | **Mean Square** | **F** | **p-value** |
| **CIS-R** |  |  |  |  |  |
|  | time | 5.821 | 1 | 5.821 | 0.075 | 0.785 |
|  | class | 664.213 | 2 | 332.106 | 3.200 | 0.045 |
|  | time\*class | 168.057 | 2 | 84.029 | 1.082 | 0.343 |
| **BSS** |  |  |  |  |  |
|  | time | 2.370 | 1 | 2.370 | 0.141 | 0.708 |
|  | class | 140.640 | 2 | 70.320 | 2.574 | 0.081 |
|   | time\*class | 24.013 | 2 | 12.007 | 0.714 | 0.492 |

Abbreviations: SS, sums of squares; df, degrees of freedom; F, Analysis of Variance (ANOVA) F statistic; CIS-R, revised clinical interview schedule; BSS, Beck scale for suicide ideation.

**Supplementary Table 5. Mental health and functioning factors of subjects in (a) single and multiple PE groups, (b) three latent classes and (c) three latent classes (excluding multiple PSQ) at baseline and follow-up**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|   | **Single PE (N=81)** |  | **Multiple PE (N=24)** |  | **Single PE vs. Multiple PEb** |
|  | **Baseline** | **Follow-up** | **Baseline vs. FUa** | **Baseline** | **Follow-up** | **Baseline vs FUa** | **Baseline** | **Follow-up** |
|   | M | SD | M | SD | Z | p-value | M | SD | M | SD | Z | p-value | U | p-value | U | p-value |
| **BSS** | 2.26 | 5.06 | 0.39 | 1.87 | -3.91 | <0.001 | 5.75 | 8.98 | 1.17 | 4.08 | -2.74 | 0.006 | 784.0 | 0.111 | 846.5 | 0.173 |
| **CIS-R** | 14.50 | 11.13 | 5.99 | 7.80 | -5.31 | <0.001 | 20.29 | 12.79 | 7.58 | 5.79 | -3.90 | <0.001 | 675.0 | 0.028 | 704.0 | 0.040 |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Hallucination (N=56)** |  | **Mixed (N=20)** |  | **Paranoia (N=29)** |  | **Hallucination vs. Mixed vs. Paranoiac** |
|  | **Baseline** | **Follow-up** | **Baseline** | **Follow-up** | **Baseline** | **Follow-up** | **Baseline** | **Follow-up** |
|  | M | SD | M | SD | M | SD | M | SD | M | SD | M | SD | H | p-value | H | p-value |
| **BSS** | 4.00 | 7.21 | 0.60 | 2.26 | 3.35 | 7.01 | 1.20 | 4.46 | 1.03 | 2.44 | 0.07 | 0.26 | 4.71 | 0.095 | 2.84 | 0.242 |
| **CIS-R** | 18.00 | 12.61 | 7.71 | 8.70 | 16.35 | 11.15 | 3.90 | 5.41 | 11.38 | 9.23 | 5.41 | 5.07 | 6.34 | 0.042 | 3.71 | 0.157 |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Hallucination (N=37)** |  | **Mixed (N=18)** |  | **Paranoia (N=26)** |  | **Hallucination vs. Mixed vs. Paranoiac** |
|  | **Baseline** | **Follow-up** | **Baseline** | **Follow-up** | **Baseline** | **Follow-up** | **Baseline** | **Follow-up** |
|  | M | SD | M | SD | M | SD | M | SD | M | SD | M | SD | H | p-value | H | p-value |
| **BSS** | 3.43 | 6.44 | 0.69 | 2.73 | 2.06 | 4.51 | 0.22 | 0.55 | 0.73 | 1.20 | 0.08 | 0.27 | 5.23 | 0.073 | 1.33 | 0.515 |
| **CIS-R** | 17.00 | 12.37 | 7.84 | 10.17 | 16.22 | 11.63 | 3.00 | 3.51 | 9.85 | 7.18 | 5.42 | 5.08 | 6.03 | 0.049 | 2.36 | 0.308 |

Abbreviations: PE, psychotic-like experience; FU, follow-up; M, mean; SD, standard deviation; Z, Wilcoxon Signed Ranks Z; U, Mann-Whitney U; SOFAS, social and occupational functioning assessment scale; BSS, Beck scale for suicide ideation; CIS-R, revised clinical interview schedule; H, Kruskal Wallis H.

a Wilcoxon Signed Ranks Test.

b Mann-Whitney Test.

c Kruskal Wallis Test.