Supplementary Table 1.

*Model fit values for the CFA models of the SCID-II Screening Questionnaire*

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Fit Estimate | | | | | | | |
| Model | *χ*2 | *df* | CFI | TLI | RMSEA | AIC | BIC | aBIC |
| Single Factor | 5670 | 1127 | .79 | .78 | .04 | 68,846 | 69,410 | 69,099 |
| Correlated Factors | 2992 | 1112 | .91 | .91 | .03 | 66,003 | 66,654 | 66,295 |
| Bifactor (orthogonal) | 2661 | 1078 | .93 | .92 | .03 | 65,560 | 66,407 | 65,940 |
| Bifactor (oblique) | No convergence | | | | | | | |

*Note. χ*2 = chi-square statistic; aBIC = sample size adjusted Bayesian information criterion; CFI = Comparative Fit Index; *df* = degrees of freedom; TLI = Tucker-Lewis Index; RMSEA = Root Mean Square Error of Approximation.

Supplementary Table 2.

*Standardized factor loadings for the single factor, correlated factor, and bifactor models of the SCID-II Screening Questionnaire*

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| SCID-II Item | Single |  | Correlated Factors | | | | | |  | Bifactor (orthogonal) | | | | | | |
|  | AS | AV | BL | NS | OC | ST |  | G*PD* | AS | AV | BL | NS | OC | ST |
| *Antisocial* |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Failure to conform | .86\*\*\* |  | .97\*\*\* |  |  |  |  |  |  | .46\*\*\* | .85\*\*\* |  |  |  |  |  |
| Deceitfulness | .93\*\*\* |  | .94\*\*\* |  |  |  |  |  |  | .61\*\*\* | .74\*\*\* |  |  |  |  |  |
| Impulsivity | .94\*\*\* |  | .98\*\*\* |  |  |  |  |  |  | .58\*\*\* | .80\*\*\* |  |  |  |  |  |
| Irritable, aggressive | .83\*\*\* |  | .91\*\*\* |  |  |  |  |  |  | .32\*\*\* | .86\*\*\* |  |  |  |  |  |
| Disregard for safety | .84\*\*\* |  | .96\*\*\* |  |  |  |  |  |  | .38\*\*\* | .89\*\*\* |  |  |  |  |  |
| Irresponsible | .92\*\*\* |  | .94\*\*\* |  |  |  |  |  |  | .53\*\*\* | .78\*\*\* |  |  |  |  |  |
| Lacks remorse | .91\*\*\* |  | .94\*\*\* |  |  |  |  |  |  | .45\*\*\* | .83\*\*\* |  |  |  |  |  |
| *Avoidant* |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Avoids social work | .58\*\*\* |  |  | .70\*\*\* |  |  |  |  |  | .57\*\*\* |  | .39\*\*\* |  |  |  |  |
| Must be liked | .62\*\*\* |  |  | .75\*\*\* |  |  |  |  |  | .58\*\*\* |  | .46\*\*\* |  |  |  |  |
| Restraint in intimacy | .54\*\*\* |  |  | .61\*\*\* |  |  |  |  |  | .51\*\*\* |  | .31\*\*\* |  |  |  |  |
| Preoccupied with rejection | .69\*\*\* |  |  | .81\*\*\* |  |  |  |  |  | .73\*\*\* |  | .34\*\*\* |  |  |  |  |
| Socially inhibited | .60\*\*\* |  |  | .81\*\*\* |  |  |  |  |  | .59\*\*\* |  | .62\*\*\* |  |  |  |  |
| Views self as inept | .63\*\*\* |  |  | .80\*\*\* |  |  |  |  |  | .65\*\*\* |  | .47\*\*\* |  |  |  |  |
| No risks or new activities | .53\*\*\* |  |  | .66\*\*\* |  |  |  |  |  | .52\*\*\* |  | .41\*\*\* |  |  |  |  |
| *Borderline* |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Avoids abandonment | .58\*\*\* |  |  |  | .66\*\*\* |  |  |  |  | .55\*\*\* |  |  | .41\*\*\* |  |  |  |
| Interpersonal instability | .52\*\*\* |  |  |  | .62\*\*\* |  |  |  |  | .49\*\*\* |  |  | .48\*\*\* |  |  |  |
| Identity disturbance | .64\*\*\* |  |  |  | .69\*\*\* |  |  |  |  | .68\*\*\* |  |  | .14\* |  |  |  |
| Self-harming impulsivity | .59\*\*\* |  |  |  | .60\*\*\* |  |  |  |  | .51\*\*\* |  |  | .34\*\*\* |  |  |  |
| Suicidality | .53\*\*\* |  |  |  | .60\*\*\* |  |  |  |  | .48\*\*\* |  |  | .38\*\*\* |  |  |  |
| Affective instability | .67\*\*\* |  |  |  | .78\*\*\* |  |  |  |  | .64\*\*\* |  |  | .49\*\*\* |  |  |  |
| Empty | .66\*\*\* |  |  |  | .70\*\*\* |  |  |  |  | .73\*\*\* |  |  | .07 |  |  |  |
| Intense anger | .60\*\*\* |  |  |  | .64\*\*\* |  |  |  |  | .50\*\*\* |  |  | .46\*\*\* |  |  |  |
| Transient dissociation | .59\*\*\* |  |  |  | .59\*\*\* |  |  |  |  | .62\*\*\* |  |  | .07 |  |  |  |
| *Narcissistic* |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Grandiose | .50\*\*\* |  |  |  |  | .81\*\*\* |  |  |  | .23\*\*\* |  |  |  | .81\*\*\* |  |  |
| Preoccupied with fantasies | .56\*\*\* |  |  |  |  | .67\*\*\* |  |  |  | .41\*\*\* |  |  |  | .52\*\*\* |  |  |
| Believes s/he is special | .44\*\*\* |  |  |  |  | .79\*\*\* |  |  |  | .14\* |  |  |  | .85\*\*\* |  |  |
| Needs admiration | .55\*\*\* |  |  |  |  | .72\*\*\* |  |  |  | .52\*\*\* |  |  |  | .50\*\*\* |  |  |
| Entitlement | .54\*\*\* |  |  |  |  | .80\*\*\* |  |  |  | .36\*\*\* |  |  |  | .72\*\*\* |  |  |
| Exploitative | .58\*\*\* |  |  |  |  | .80\*\*\* |  |  |  | .33\*\*\* |  |  |  | .73\*\*\* |  |  |
| Lacks empathy | .60\*\*\* |  |  |  |  | .70\*\*\* |  |  |  | .41\*\*\* |  |  |  | .56\*\*\* |  |  |
| Envious | .56\*\*\* |  |  |  |  | .58\*\*\* |  |  |  | .58\*\*\* |  |  |  | .25\*\*\* |  |  |
| Arrogant | .53\*\*\* |  |  |  |  | .79\*\*\* |  |  |  | .36\*\*\* |  |  |  | .72\*\*\* |  |  |
| *Obsessive-compulsive* |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Orderly | .41\*\*\* |  |  |  |  |  | .61\*\*\* |  |  | .37\*\*\* |  |  |  |  | .52\*\*\* |  |
| Perfectionistic | .44\*\*\* |  |  |  |  |  | .61\*\*\* |  |  | .46\*\*\* |  |  |  |  | .40\*\*\* |  |
| Workaholic | .22\*\*\* |  |  |  |  |  | .46\*\*\* |  |  | .20\*\*\* |  |  |  |  | .54\*\*\* |  |
| Moral inflexibility | .35\*\*\* |  |  |  |  |  | .52\*\*\* |  |  | .31\*\*\* |  |  |  |  | .44\*\*\* |  |
| Hoarding | .35\*\*\* |  |  |  |  |  | .46\*\*\* |  |  | .34\*\*\* |  |  |  |  | .31\*\*\* |  |
| Reluctant to delegate | .49\*\*\* |  |  |  |  |  | .73\*\*\* |  |  | .49\*\*\* |  |  |  |  | .52\*\*\* |  |
| Miserly | .28\*\*\* |  |  |  |  |  | .48\*\*\* |  |  | .25\*\*\* |  |  |  |  | .46\*\*\* |  |
| Rigidity | .45\*\*\* |  |  |  |  |  | .56\*\*\* |  |  | .43\*\*\* |  |  |  |  | .28\*\*\* |  |
| *Schizotypal* |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Ideas of reference | .62\*\*\* |  |  |  |  |  |  | .71\*\*\* |  | .67\*\*\* |  |  |  |  |  | .22\*\*\* |
| Odd beliefs | .55\*\*\* |  |  |  |  |  |  | .81\*\*\* |  | .41\*\*\* |  |  |  |  |  | .77\*\*\* |
| Odd perceptions | .55\*\*\* |  |  |  |  |  |  | .81\*\*\* |  | .45\*\*\* |  |  |  |  |  | .73\*\*\* |
| Odd thinking/speech | .40\*\*\* |  |  |  |  |  |  | .82\*\*\* |  | .16\* |  |  |  |  |  | .90\*\*\* |
| Suspicious | .68\*\*\* |  |  |  |  |  |  | .78\*\*\* |  | .63\*\*\* |  |  |  |  |  | .44\*\*\* |
| Constricted affect | .59\*\*\* |  |  |  |  |  |  | .85\*\*\* |  | .37\*\* |  |  |  |  |  | .77\*\*\* |
| Odd behavior/appearance | .35\*\* |  |  |  |  |  |  | .74\*\*\* |  | .13 |  |  |  |  |  | .82\*\*\* |
| Lacks close friends | .41\*\*\* |  |  |  |  |  |  | .44\*\*\* |  | .42\*\*\* |  |  |  |  |  | .10 |
| Social anxiety | .65\*\*\* |  |  |  |  |  |  | .62\*\*\* |  | .66\*\*\* |  |  |  |  |  | .13 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Mean* | .58 |  | .95 | .73 | .65 | .74 | .55 | .73 |  | .46 | .82 | .43 | .32 | .63 | .43 | .54 |
| *SD* | .16 |  | .02 | .08 | .06 | .08 | .09 | .13 |  | .15 | .05 | .10 | .17 | .19 | .10 | .32 |
| Inter-factor correlations |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  | AS | AV | BL | NS | OC | ST |  |  |  |  |  |  |  |  |
|  | AS |  | — |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | AV |  | .27\*\*\* | — |  |  |  |  |  |  |  |  |  |  |  |  |
|  | BL |  | .49\*\*\* | .70\*\*\* | — |  |  |  |  |  |  |  |  |  |  |  |
|  | NS |  | .57\*\*\* | .40\*\*\* | .61\*\*\* | — |  |  |  |  |  |  |  |  |  |  |
|  | OC |  | .27\*\*\* | .59\*\*\* | .60\*\*\* | .53\*\*\* | — |  |  |  |  |  |  |  |  |  |
|  | ST |  | .36\*\*\* | .61\*\*\* | .69\*\*\* | .51\*\*\* | .47\*\*\* | — |  |  |  |  |  |  |  |  |
| Model-based Reliability |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ECV/ECVs |  |  |  |  |  |  |  |  |  | .42 | .17 | .05 | .04 | .14 | .06 | .12 |
| ω/ωs |  |  |  |  |  |  |  |  |  | .97 | .99 | .89 | .88 | .92 | .79 | .92 |
| ωH/ωHs |  |  |  |  |  |  |  |  |  | .79 | .74 | .31 | .20 | .68 | .47 | .56 |
| Relative Omega |  |  |  |  |  |  |  |  |  | .81 | .75 | .34 | .23 | .74 | .60 | .61 |
| H-index |  |  |  |  |  |  |  |  |  | .95 | .94 | .64 | .59 | .90 | .67 | .91 |
| FD |  |  |  |  |  |  |  |  |  | .96 | .98 | .84 | .79 | .95 | .83 | .96 |

*Note*. AS = Antisocial; AV = Avoidant; BL = Borderline; ECV/ECVs = Expected Common Variance/Expected Common Variance-Subscale; FD = Factor Determinacy; G*PD* = General personality disorder; NS = Narcissistic; OC = Obsessive-compulsive; ω/ωs = Omega/Omega-subscale; ωH/ωHs = Omega hierarchical/Omega hierarchical-subscale; ST = Schizotypal.

\**p* < .05

\*\**p* < .01

\*\*\**p* < .001

Supplementary Table 3.

*Standardized and unstandardized growth factor and regression coefficients for the bifactor PD factors, clinical covariates, and demographic covariates predicting the intercept, linear slope, and quadratic slope factors*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Variable | Estimate | | | |
| Unstandardized(95% CI) | Standardized(95% CI) | *z* | *p* |
| Intercept |  |  |  |  |
| Mean (*η*0) | **9.31 (9.09, 9.53)** | **1.64 (1.58, 1.70)** | **82.8** | **< .001** |
| Variance (*ζ*0) | **13.95 (12.38, 15.51)** | **0.43 (0.39, 0.48)** | **17.44** | **< .001** |
| PD Factor (*b*0) |  |  |  |  |
| General | **1.14 (0.79, 1.49)** | **0.20 (0.14, 0.26)** | **6.36** | **< .001** |
| Antisocial | **-0.51 (-1.02, -0.01)** | **-0.09 (-0.18, 0)** | **-1.99** | **0.047** |
| Avoidant | -0.32 (-0.75, 0.12) | -0.06 (-0.13, 0.02) | -1.43 | 0.153 |
| Borderline | **-0.64 (-1.14, -0.13)** | **-0.11 (-0.20, -0.02)** | **-2.47** | **0.013** |
| Narcissistic | -0.27 (-0.65, 0.12) | -0.05 (-0.12, 0.02) | -1.35 | 0.176 |
| Obsessional | -0.28 (-0.7, 0.14) | -0.05 (-0.12, 0.02) | -1.32 | 0.186 |
| Schizotypal | 0.27 (-0.24, 0.78) | 0.05 (-0.04, 0.14) | 1.02 | 0.306 |
| Clinical (*b*0) |  |  |  |  |
| PHQ-9 Baseline | **0.51 (0.47, 0.54)** | **0.64 (0.60, 0.68)** | **28.13** | **< .001** |
| Length of stay | **0.05 (0.04, 0.06)** | **0.19 (0.14, 0.24)** | **7.69** | **< .001** |
| Episode Number | **1.45 (0.77, 2.13)** | **0.09 (0.04, 0.13)** | **4.16** | **< .001** |
| Unit (Hope v Compass) | -0.33 (-1.04, 0.38) | -0.03 (-0.08, 0.03) | -0.91 | 0.365 |
| Unit (CPAS v Compass) | 0.62 (-0.19, 1.43) | 0.04 (-0.01, 0.09) | 1.51 | 0.132 |
| Unit (PIC v Compass) | -0.32 (-1.16, 0.53) | -0.02 (-0.09, 0.04) | -0.73 | 0.463 |
| Demographic (*b*0) |  |  |  |  |
| Sex | **-0.96 (-1.43, -0.48)** | **-0.08 (-0.13, -0.04)** | **-3.92** | **< .001** |
| Age | -0.01 (-0.03, 0.01) | -0.03 (-0.09, 0.03) | -0.88 | 0.381 |
| Ethnic group | -0.55 (-1.25, 0.15) | -0.03 (-0.07, 0.01) | -1.53 | 0.125 |
| Education | -0.20 (-0.74, 0.34) | -0.02 (-0.07, 0.03) | -0.73 | 0.466 |
| Marital Status | 0.20 (-0.42, 0.82) | 0.02 (-0.03, 0.07) | 0.64 | 0.524 |
|  |  |  |  |  |
| Linear Slope |  |  |  |  |
| Mean (*η*1) | **-2.40 (-2.80, -2.01)** | **-0.72 (-0.90, -0.54)** | **-11.93** | **< .001** |
| Variance (*ζ*1) | **8.39 (4.84, 11.93)** | **0.76 (0.61, 0.90)** | **4.64** | **< .001** |
| PD Factor (*b*1) |  |  |  |  |
| General | -0.22 (-0.66, 0.23) | -0.07 (-0.20, 0.07) | -0.96 | 0.340 |
| Antisocial | -0.17 (-0.83, 0.49) | -0.05 (-0.25, 0.15) | -0.50 | 0.620 |
| Avoidant | 0.17 (-0.35, 0.69) | 0.05 (-0.10, 0.21) | 0.64 | 0.522 |
| Borderline | **0.52 (-0.06, 1.11)** | **0.16 (-0.01, 0.33)** | **1.75** | **0.080†** |
| Narcissistic | 0.14 (-0.35, 0.63) | 0.04 (-0.10, 0.19) | 0.55 | 0.580 |
| Obsessional | 0.38 (-0.11, 0.88) | 0.12 (-0.03, 0.26) | 1.51 | 0.131 |
| Schizotypal | -0.55 (-1.19, 0.10) | -0.16 (-0.36, 0.03) | -1.59 | 0.111 |
| Clinical (*b*1) |  |  |  |  |
| PHQ-9 Baseline | **-0.12 (-0.17, -0.07)** | **-0.26 (-0.37, -0.15)** | **-4.90** | **< .001** |
| Length of stay | **0.04 (0.02, 0.06)** | **0.24 (0.12, 0.36)** | **4** | **< .001** |
| Episode Number | -0.18 (-1.13, 0.78) | -0.02 (-0.11, 0.08) | -0.36 | 0.719 |
| Unit (Hope v Compass) | 0.59 (-0.31, 1.49) | 0.08 (-0.04, 0.20) | 1.28 | 0.199 |
| Unit (CPAS v Compass) | **2.57 (0.72, 4.42)** | **0.29 (0.09, 0.49)** | **2.73** | **0.006** |
| Unit (PIC v Compass) | 0.60 (-0.54, 1.75) | 0.08 (-0.07, 0.22) | 1.03 | 0.302 |
| Demographic (*b*1) |  |  |  |  |
| Sex | -0.04 (-0.68, 0.60) | -0.01 (-0.10, 0.09) | -0.13 | 0.897 |
| Age | **-0.04 (-0.07, -0.01)** | **-0.19 (-0.32, -0.05)** | **-2.58** | **0.010** |
| Ethnic group | 0.31 (-0.67, 1.29) | 0.03 (-0.06, 0.11) | 0.62 | 0.533 |
| Education | -0.24 (-0.97, 0.50) | -0.04 (-0.15, 0.08) | -0.62 | 0.532 |
| Marital Status | -0.06 (-0.89, 0.77) | -0.01 (-0.12, 0.10) | -0.14 | 0.887 |
|  |  |  |  |  |
| Quadratic Slope |  |  |  |  |
| Mean (*η*2) | **0.30 (0.13, 0.46)** | **0.27 (0.10, 0.44)** | **3.54** | **< .001** |
| Variance (*ζ*2) | **0.99 (0.37, 1.61)** | **0.84 (0.66, 1.01)** | **3.13** | **0.002** |
| PD Factor (*b*2) |  |  |  |  |
| General | -0.06 (-0.21, 0.10) | -0.05 (-0.20, 0.09) | -0.72 | 0.472 |
| Antisocial | **0.26 (0.04, 0.47)** | **0.24 (0.03, 0.45)** | **2.36** | **0.018** |
| Avoidant | 0.07 (-0.11, 0.24) | 0.06 (-0.10, 0.22) | 0.77 | 0.441 |
| Borderline | -0.11 (-0.31, 0.09) | -0.10 (-0.28, 0.08) | -1.08 | 0.278 |
| Narcissistic | 0.01 (-0.17, 0.19) | 0.01 (-0.16, 0.18) | 0.09 | 0.930 |
| Obsessional | -0.04 (-0.22, 0.14) | -0.03 (-0.20, 0.13) | -0.41 | 0.681 |
| Schizotypal | 0.15 (-0.08, 0.39) | 0.14 (-0.08, 0.36) | 1.29 | 0.199 |
| Clinical (*b*2) |  |  |  |  |
| PHQ-9 Baseline | 0.01 (-0.01, 0.03) | 0.07 (-0.04, 0.19) | 1.21 | 0.226 |
| Length of stay | **-0.01 (-0.02, 0)** | **-0.17 (-0.30, -0.03)** | **-2.42** | **0.016** |
| Episode Number | 0.17 (-0.15, 0.50) | 0.05 (-0.05, 0.16) | 1.04 | 0.301 |
| Unit (Hope v Compass) | -0.15 (-0.46, 0.17) | -0.06 (-0.19, 0.07) | -0.92 | 0.360 |
| Unit (CPAS v Compass) | **-0.62 (-1.31, 0.07)** | **-0.21 (-0.45, 0.03)** | **-1.75** | **0.080†** |
| Unit (PIC v Compass) | -0.11 (-0.53, 0.31) | -0.04 (-0.21, 0.12) | -0.51 | 0.609 |
| Demographic (*b*2) |  |  |  |  |
| Sex | 0.04 (-0.19, 0.27) | 0.02 (-0.09, 0.12) | 0.33 | 0.743 |
| Age | **0.01 (0, 0.02)** | **0.13 (-0.03, 0.28)** | **1.68** | **0.093†** |
| Ethnic group | -0.10 (-0.45, 0.25) | -0.03 (-0.12, 0.07) | -0.55 | 0.583 |
| Education | 0.16 (-0.11, 0.42) | 0.07 (-0.05, 0.19) | 1.17 | 0.240 |
| Marital Status | 0.06 (-0.24, 0.36) | 0.02 (-0.10, 0.15) | 0.38 | 0.704 |

*Note.* PD = personality disorder; PHQ-9 = Patient Health Questionnaire. Significant coefficients are in bold.

†Marginal result (*p* < .1)

Supplementary Table 4.

*Standardized and unstandardized growth factor and regression coefficients for the correlated PD factors, clinical covariates, and demographic covariates predicting the intercept, linear slope, and quadratic slope factors*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Variable | Estimate | | | |
| *b* (95% CI) | *B* (95% CI) | *z* | *P* |
| Intercept |  |  |  |  |
| Mean (*η*0) | **9.30 (9.08, 9.53)** | **1.64 (1.58, 1.71)** | **82.69** | **< .001** |
| Variance (*ζ*0) | **14.29 (12.87, 15.71)** | **0.45 (0.40, 0.49)** | **19.73** | **< .001** |
| PD Factor (*b*0) |  |  |  |  |
| Antisocial | -0.56 (-1.29, 0.17) | -0.1 (-0.23, 0.03) | -1.50 | 0.135 |
| Avoidant | 0.08 (-0.51, 0.67) | 0.01 (-0.09, 0.12) | 0.27 | 0.79 |
| Borderline | 0.38 (-0.38, 1.15) | 0.07 (-0.07, 0.2) | 0.98 | 0.328 |
| Narcissistic | -0.03 (-0.68, 0.62) | -0.01 (-0.12, 0.11) | -0.10 | 0.924 |
| Obsessional | 0.06 (-0.54, 0.66) | 0.01 (-0.09, 0.12) | 0.21 | 0.834 |
| Schizotypal | **0.80 (0.03, 1.58)** | **0.14 (0.01, 0.28)** | **2.03** | **0.043** |
| Clinical (*b*0) |  |  |  |  |
| PHQ-9 Baseline | **0.52 (0.48, 0.55)** | **0.66 (0.62, 0.69)** | **29.32** | **< .001** |
| Length of stay | **0.05 (0.04, 0.06)** | **0.19 (0.14, 0.24)** | **7.72** | **< .001** |
| Episode Number | **1.47 (0.78, 2.15)** | **0.09 (0.05, 0.13)** | **4.18** | **< .001** |
| Unit (Hope v Compass) | -0.35 (-1.06, 0.37) | -0.03 (-0.08, 0.03) | -0.95 | 0.342 |
| Unit (CPAS v Compass) | 0.57 (-0.24, 1.37) | 0.04 (-0.01, 0.09) | 1.37 | 0.170 |
| Unit (PIC v Compass) | -0.48 (-1.32, 0.36) | -0.04 (-0.1, 0.03) | -1.13 | 0.260 |
| Demographic (*b*0) |  |  |  |  |
| Sex | **-0.87 (-1.34, -0.39)** | **-0.08 (-0.12, -0.03)** | **-3.55** | **< .001** |
| Age | -0.01 (-0.03, 0.01) | -0.03 (-0.09, 0.04) | -0.77 | 0.439 |
| Ethnic group | -0.57 (-1.28, 0.13) | -0.03 (-0.07, 0.01) | -1.58 | 0.113 |
| Education | -0.19 (-0.73, 0.35) | -0.02 (-0.06, 0.03) | -0.69 | 0.490 |
| Marital Status | 0.23 (-0.39, 0.85) | 0.02 (-0.03, 0.07) | 0.72 | 0.471 |
|  |  |  |  |  |
| Linear Slope |  |  |  |  |
| Mean (*η*1) | **-2.39 (-2.79, -2)** | **-0.74 (-0.93, -0.55)** | **-11.82** | **< .001** |
| Variance (*ζ*1) | **8.17 (4.69, 11.64)** | **0.77 (0.63, 0.91)** | **4.61** | **< .001** |
| PD Factor (*b*1) |  |  |  |  |
| Antisocial | -0.06 (-0.86, 0.75) | -0.02 (-0.26, 0.23) | -0.13 | 0.894 |
| Avoidant | -0.07 (-0.74, 0.59) | -0.02 (-0.23, 0.18) | -0.22 | 0.828 |
| Borderline | 0.58 (-0.34, 1.50) | 0.18 (-0.11, 0.46) | 1.23 | 0.219 |
| Narcissistic | 0.08 (-0.68, 0.83) | 0.02 (-0.21, 0.26) | 0.19 | 0.846 |
| Obsessional | 0.27 (-0.38, 0.92) | 0.08 (-0.12, 0.28) | 0.81 | 0.417 |
| Schizotypal | **-0.98 (-1.83, -0.12)** | **-0.30 (-0.56, -0.04)** | **-2.23** | **0.026** |
| Clinical (*b*1) |  |  |  |  |
| PHQ-9 Baseline | **-0.13 (-0.17, -0.08)** | **-0.28 (-0.38, -0.17)** | **-5.16** | **< .001** |
| Length of stay | **0.04 (0.02, 0.06)** | **0.25 (0.13, 0.37)** | **3.95** | **< .001** |
| Episode Number | -0.17 (-1.13, 0.79) | -0.02 (-0.12, 0.08) | -0.35 | 0.728 |
| Unit (Hope v Compass) | 0.58 (-0.32, 1.48) | 0.08 (-0.04, 0.20) | 1.27 | 0.203 |
| Unit (CPAS v Compass) | **2.60 (0.75, 4.45)** | **0.30 (0.09, 0.51)** | **2.75** | **0.006** |
| Unit (PIC v Compass) | 0.71 (-0.43, 1.84) | 0.09 (-0.06, 0.24) | 1.22 | 0.225 |
| Demographic (*b*1) |  |  |  |  |
| Sex | -0.09 (-0.73, 0.55) | -0.01 (-0.11, 0.08) | -0.28 | 0.782 |
| Age | **-0.04 (-0.07, -0.01)** | **-0.19 (-0.33, -0.05)** | **-2.61** | **0.009** |
| Ethnic group | 0.30 (-0.67, 1.27) | 0.03 (-0.06, 0.12) | 0.60 | 0.548 |
| Education | -0.24 (-0.97, 0.50) | -0.04 (-0.15, 0.08) | -0.63 | 0.526 |
| Marital Status | -0.08 (-0.91, 0.76) | -0.01 (-0.12, 0.10) | -0.18 | 0.858 |
|  |  |  |  |  |
| Quadratic Slope |  |  |  |  |
| Mean (*η*2) | **0.29 (0.13, 0.45)** | **0.26 (0.10, 0.43)** | **3.48** | **0.001** |
| Variance (*ζ*2) | **1.04 (0.44, 1.65)** | **0.87 (0.72, 1.01)** | **3.36** | **0.001** |
| PD Factor (*b*2) |  |  |  |  |
| Antisocial | **0.26 (0, 0.52)** | **0.24 (-0.01, 0.49)** | **1.99** | **0.046** |
| Avoidant | 0.12 (-0.11, 0.35) | 0.11 (-0.10, 0.31) | 1.04 | 0.299 |
| Borderline | **-0.36 (-0.68, -0.05)** | **-0.33 (-0.64, -0.03)** | **-2.25** | **0.024** |
| Narcissistic | -0.07 (-0.36, 0.22) | -0.06 (-0.33, 0.20) | -0.47 | 0.638 |
| Obsessional | -0.04 (-0.27, 0.2) | -0.04 (-0.25, 0.18) | -0.32 | 0.750 |
| Schizotypal | 0.19 (-0.12, 0.50) | 0.17 (-0.12, 0.46) | 1.18 | 0.237 |
| Clinical (*b*2) |  |  |  |  |
| PHQ-9 Baseline | 0.01 (-0.01, 0.03) | 0.07 (-0.04, 0.18) | 1.19 | 0.236 |
| Length of stay | **-0.01 (-0.02, 0)** | **-0.16 (-0.29, -0.02)** | **-2.33** | **0.02** |
| Episode Number | 0.16 (-0.17, 0.49) | 0.05 (-0.05, 0.15) | 0.96 | 0.336 |
| Unit (Hope v Compass) | -0.14 (-0.46, 0.17) | -0.06 (-0.18, 0.07) | -0.87 | 0.382 |
| Unit (CPAS v Compass) | **-0.62 (-1.31, 0.06)** | **-0.21 (-0.45, 0.02)** | **-1.78** | **0.075†** |
| Unit (PIC v Compass) | -0.12 (-0.54, 0.29) | -0.05 (-0.21, 0.11) | -0.58 | 0.561 |
| Demographic (*b*2) |  |  |  |  |
| Sex | 0.05 (-0.18, 0.28) | 0.02 (-0.08, 0.13) | 0.42 | 0.671 |
| Age | **0.01 (0, 0.02)** | **0.13 (-0.02, 0.28)** | **1.72** | **0.085†** |
| Ethnic group | -0.09 (-0.44, 0.26) | -0.02 (-0.12, 0.07) | -0.50 | 0.616 |
| Education | 0.16 (-0.11, 0.42) | 0.07 (-0.05, 0.19) | 1.16 | 0.246 |
| Marital Status | 0.06 (-0.24, 0.36) | 0.02 (-0.10, 0.15) | 0.38 | 0.703 |

*Note.* PD = personality disorder; PHQ-9 = Patient Health Questionnaire. Significant coefficients are in bold.

†Marginal result (*p* < .1)