|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Supplemental Table 1.** Variance Partition Coefficients (%) and Percent Change in Variance (%) Between Null (A) and Main Effects (B) Models in Cross-Classified Models of Strata and Schools | | | | | | | | | | | | | | | |
|  |  | BMI | | CESD | | Fair/Poor Health | | Binge | | Cigarette | | Marijuana | | Drugs | |
| # Strata | Value | Strata | School | Strata | School | Strata | School | Strata | School | Strata | School | Strata | School | Strata | School |
| 6 | VPC model A | 2.95 | 3.49 | 5.85 | 2.50 | 4.18 | 3.61 | 9.01 | 10.92 | 13.27 | 6.59 | 1.50 | 11.73 | 19.94 | 6.86 |
|  | VPC model B | 4.43 | 3.38 | 0.95 | 2.60 | 1.48 | 3.75 | 4.59 | 11.43 | 1.36 | 7.44 | 1.57 | 11.79 | 2.42 | 8.41 |
|  | **PCV** | **-49.88** | **3.19** | **83.83** | **-4.02** | **64.59** | **-3.74** | **49.02** | **-4.61** | **89.76** | **-12.95** | **-5.07** | **-0.46** | **87.84** | **-22.59** |
| 12 | VPC model A | 2.25 | 3.05 | 5.54 | 2.04 | 3.82 | 2.57 | 7.18 | 11.03 | 8.23 | 6.60 | 1.04 | 11.96 | 15.60 | 7.50 |
|  | VPC model B | 1.55 | 3.09 | 0.18 | 2.15 | 0.66 | 2.63 | 0.11 | 11.91 | 0.77 | 7.15 | 0.46 | 11.89 | 1.08 | 8.71 |
|  | **PCV** | **31.37** | **-1.19** | **96.76** | **-5.24** | **82.79** | **-2.26** | **98.46** | **-7.96** | **90.67** | **-8.21** | **55.52** | **0.64** | **93.08** | **-16.14** |
| 18 | VPC model A | 2.39 | 2.94 | 4.98 | 1.95 | 4.60 | 2.25 | 6.69 | 11.13 | 7.89 | 6.63 | 1.02 | 11.89 | 16.59 | 7.63 |
|  | VPC model B | 1.47 | 2.94 | 0.17 | 2.03 | 0.72 | 2.35 | 0.08 | 12.01 | 0.73 | 7.03 | 0.29 | 12.02 | 0.96 | 8.83 |
|  | **PCV** | **38.74** | **0.12** | **96.57** | **-4.18** | **84.43** | **-4.10** | **98.87** | **-7.93** | **90.77** | **-6.06** | **71.50** | **-1.09** | **94.19** | **-15.73** |
| 36 | VPC model A | 2.27 | 2.89 | 4.13 | 1.90 | 4.11 | 2.23 | 5.41 | 11.41 | 7.76 | 6.64 | 0.89 | 12.04 | 15.10 | 7.96 |
|  | VPC model B | 1.01 | 2.88 | 0.14 | 1.96 | 0.44 | 2.24 | 0.07 | 12.10 | 0.54 | 7.23 | 0.19 | 12.28 | 0.84 | 8.83 |
|  | **PCV** | **55.32** | **0.59** | **96.56** | **-3.10** | **89.29** | **-0.35** | **98.69** | **-6.05** | **93.10** | **-8.96** | **78.69** | **-2.03** | **94.41** | **-11.04** |
| 48 | VPC model A | 2.37 | 2.94 | 4.22 | 1.92 | 3.91 | 2.12 | 6.05 | 11.40 | 8.28 | 6.55 | 1.97 | 11.90 | 15.93 | 7.99 |
|  | VPC model B | 1.05 | 2.90 | 0.13 | 1.95 | 0.34 | 2.08 | 0.08 | 12.10 | 0.40 | 7.12 | 0.16 | 12.33 | 0.53 | 9.07 |
|  | **PCV** | **55.70** | **1.28** | **96.83** | **-1.47** | **91.32** | **2.02** | **98.64** | **-6.12** | **95.17** | **-8.77** | **91.87** | **-3.56** | **96.68** | **-13.50** |
| 91+ \* | VPC model A | 3.07 | 2.89 | 6.45 | 1.88 | 4.05 | 2.22 | 5.62 | 11.53 | 8.82 | 6.63 | 2.90 | 11.78 | 17.53 | 7.88 |
|  | VPC model B | 1.14 | 2.93 | 0.13 | 1.99 | 0.29 | 2.13 | 0.25 | 12.04 | 1.17 | 7.03 | 0.32 | 11.95 | 0.88 | 8.80 |
|  | **PCV** | **62.73** | **-1.54** | **97.96** | **-6.19** | **92.90** | **4.02** | **95.55** | **-4.41** | **86.78** | **-6.13** | **88.97** | **-1.48** | **94.95** | **-11.66** |
| *Notes:* Respondents (level 1) are nested in cross-classified strata (level 2) and schools (level 2). VPC and PCV are provided in the form of percentages for strata and school levels.  \* BMI and Fair/Poor Health MAIHDA models had 92 strata and all other MAIHDA models had 91 strata. | | | | | | | | | | | | | | | |