**Supplementary Table 3.** Association between alcohol use, illegal or recreational drug use, and depression and resident demographics

|  |  |  |  |
| --- | --- | --- | --- |
|  Factor | Hazardous drinking (AUDIT-C score) | Frequency of illegal/recreational drug use in the past year | Depression (PHQ-2) |
| Positive | Negative | p value | Never | Low | High | p value | Positive | Negative | p value |
|  (1 or 2) |  (3 or more) |
| Residency training year | PGY 1 | 89 (60) | 60 (40) | 0.831 | 132 (89) | 9 (6) | 8 (5) | 0.224 | 16 (11) | 133 (89) | 0.218 |
| PGY 2 | 82 (66) | 43 (34) | 117 (94) | 5 (4) | 3 (2) | 23 (18) | 102 (82) |
| PGY 3 | 75 (60) | 51 (40) | 117 (93) | 7 (6) | 2 (2) | 16 (13) | 110 (87) |
| PGY 4 | 75 (60) | 50 (40) | 120 (96) | 5 (4) | 0 (0) | 16 (13) | 109 (87) |
| PGY 5 | 82 (63) | 49 (37) | 122 (93) | 4 (3) | 5 (4) | 12 (9) | 120 (91) |
| Geographic region | Northeast | 93 (65) | 50 (35) | 0.144 | 127 (89) | 10 (7) | 6 (4) | 0.001 | 23 (16) | 120 (84) | 0.121 |
| Southeast | 158 (66) | 82 (34) | 227 (95) | 9 (4) | 4 (2) | 36 (15) | 204 (85) |
| Central | 89 (55) | 74 (45) | 155 (95) | 7 (4) | 1 (1) | 12 (7) | 151 (93) |
| Southwest | 48 (56) | 37 (44) | 79 (93) | 3 (4) | 3 (4) | 10 (12) | 75 (88) |
| Northwest | 14 (61) | 9 (39) | 18 (78) | 1 (4) | 4 (17) | 2 (8) | 22 (92) |
| Gender | Men | 399 (72) | 152 (28) | < 0.001 | 512 (93) | 23 (4) | 16 (3) | 0.159 | 71 (13) | 480 (87) | 0.678 |
| Women | 4 (4) | 97 (96) | 93 (92) | 6 (6) | 2 (2) | 11 (11) | 91 (89) |
| Other | 0 (0) | 3 (100) | 2 (67) | 1 (33) | 0 (0) | 0 (0) | 3 (100) |
| Ethnicity | Asian | 34 (49) | 35 (51) | 0.067 | 66 (96) | 1 (1) | 2 (3) | 0.146 | 11 (16) | 59 (84) | 0.696 |
| Black | 14 (61) | 9 (39) | 20 (87) | 2 (9) | 1 (4) | 3 (13) | 20 (87) |
| White | 320 (64) | 179 (36) | 463 (93) | 22 (4) | 14 (3) | 60 (12) | 439 (88) |
| Hispanic | 6 (50) | 6 (50) | 9 (75) | 2 (17) | 1 (8) | 1 (8) | 11 (92) |
| Native American | 2 (100) | 0 (0) | 1 (50) | 1 (50 | 0 (0) | 0 (0) | 2 (100) |
| Pacific Islander | 0 (0) | 1 (100) | 1 (100) | 0 (0) | 0 (0) | 0 (0) | 1 (100) |
| Other | 7 (39) | 11 (61) | 17 (94) | 1 (6) | 0 (0) | 1 (6) | 17 (94) |
| Prefer not to answer | 20 (63) | 12 (38) | 31 (97) | 1 (3) | 0 (0) | 7 (22) | 25 (78) |
| Age (years) | 18-24 | 1 (50) | 1 (50) | 0.609 | 2 (100) | 0 (0) | 0 (0) | 0.001 | 0 (0) | 2 (100) | 0.632 |
| 25-34  | 376 (62) | 233 (38) | 564 (93) | 27 (4) | 18 (3) | 75 (12) | 535 (88) |
| 35-44 | 26 (59) | 18 (41) | 42 (95) | 2 (5) | 0 (0) | 8 (18) | 36 (82) |
| 45 and older | 0 (0) | 1 (100) | 0 (0) | 1 (100) | 0 (0) | 0 (0) | 1 (100) |
| Marital Status | Single | 148 (63) | 87 (37) | 0.49 | 209 (89) | 16 (7) | 10 (4) | 0.069 | 37 (16) | 198 (84) | 0.189 |
| Married | 241 (61) | 152 (39) | 372 (95) | 13 (3) | 8 (2) | 42 (11) | 352 (89) |
| Domestic partnership | 11 (50) | 11 (50) | 22 (100) | 0 (0) | 0 (0) | 4 (18) | 18 (82) |
| Separated/divorced | 2 (40) | 3 (60) | 4 (80) | 1 (20) | 0 | 0 | 5 (100) |
| Children | Yes | 106 (56) | 84 (44) | 0.064 | 182 (96) | 6 (3) | 2 (1) | 0.12 | 18 (9) | 172 (91) | 0.154 |
| No | 297 (64) | 169 (36) | 426 (91) | 24 (5) | 16 (3) | 65 (14) | 402 (86) |
| Educational debt (USD)  | None | 85 (57) | 63 (43) | 0.556 | 135 (91) | 5 (3) | 8 (5) | 0.376 | 24 (16) | 124 (84) | 0.291 |
| < 50,000 | 29 (58) | 21 (42) | 48 (96) | 1 (2) | 1 (2) | 7 (14) | 43 (86) |
| 50,000-99,000 | 34 (64) | 19 (36) | 48 (91) | 5 (9) | 0 (0) | 10 (19) | 43 (81) |
| 100,000-149,000 | 32 (59) | 22 (41) | 50 (93) | 2 (4) | 2 (4) | 4 (7) | 51 (93) |
| 150,000-199,000 | 50 (70) | 21 (30) | 66 (93) | 3 (4) | 2 (3) | 8 (11) | 63 (89) |
| > 200,000 | 173 (62) | 107 (38) | 261 (93) | 14 (5) | 5 (2) | 30 (11) | 250 (89) |
| Type of training hospital | University | 306 (61) | 199 (39) | 0.682 | 466 (92) | 26 (5) | 13 (3) | 0.81 | 58 (11) | 447 (89) | 0.302 |
| Community | 54 (64) | 31 (36) | 80 (94) | 2 (2) | 3 (4) | 15 (17) | 71 (83) |
| Private | 20 (71) | 8 (29) | 27 (96) | 0 (0) | 1 (4) | 3 (11) | 25 (89) |
| Military | 23 (61) | 15 (39) | 35 (92) | 2 (5) | 1 (3) | 7 (18) | 31 (82) |

AUDIT-C = Alcohol Use Disorder Identification Test—Consumption); PHQ-2 = patient Health Questionnaire-2.