**Supplementary Table 1 (data for Figure 1).** **Prevalence of mental health outcomes in rural (N=76) and urban (N=1,629) students, by gender**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Number (%) of students who…** | **Zhijin (rural)**  |  |  | **Beijing (urban)**  |  |  |
|  | **Boys** | **Girls** | **P-value** | **Boys** | **Girls** | **P-value** |
| **Drug use** | 1.     Recent drinking ≥1 | 3(9.7%) | 6 (16.2%)  | 0.40 | 90(12.1%) | 69(7.7%) | 0.002\* |
|  | 2.     Ever drunk ≥1 | 3(9.7%) | 3 (8.1%) | 0.82 | 72(9.7%) | 47(5.3%) | 0.002\* |
|  | 3.     Trouble with alcohol ≥1 | 6(19.4%) | 5 (13.5%) | 0.48 | 38(5.1%) | 22(2.5%) | 0.006\* |
|  | 4.     Recent smoking ≥1 | 3(9.7%) | 0(0.0%) | 0.05 | 80 (10.7%) | 14 (1.6%) | <0.001\* |
|  | 5.     Passive smoking ≥1 | 19 (61.3%) | 25 (67.6%) | 0.59 | 459 (61.5%) | 483 (54.8%) | 0.005\* |
|  | 6.     Other drugs ≥1 | 2 (6.5%) | 1(2.7%) | 0.45 | 5 (0.7%) | 4(0.5%) | 0.56 |
| **Depression**  | 7.     Loneliness ≥sometimes | 6(19.4%) | 15(40.5%) | 0.06 | 179(24.0%) | 248(28.1) | 0.06 |
|  | 8.     Insomnia ≥sometimes | 5(16.1%) | 12(32.4%) | 0.14 | 141(18.9%) | 180(20.4%) | 0.46 |
|  | 9.     Hopelessness ≥1 | 9(29.0%) | 12(32.4%) | 0.71 | 140(18.8) | 154(17.5%) | 0.45 |
|  | 10.  Suicidal ideation ≥1 | 3(9.7%) | 3(8.1%) | 0.85 | 101(13.5%) | 130(14.7%) | 0.52 |
|  | 11.  Suicidal plan ≥1 | 2(6.5%) | 0(0.0%) | 0.12 | 50(6.7%) | 64(7.3%) | 0.68 |
|  | 12.  Close friends =0 | 4(12.9%) | 3(8.1%) | 0.52 | 51(6.8%) | 71(8.0%) | 0.36 |
|  | 13.  Helpful schoolmates =never/rarely | 16(51.6%) | 11(29.7%) | 0.07 | 174(23.3%) | 117(13.3%) | <0.001\* |
| **Social Support**  | 14.  Parental supervision =never/rarely | 15(48.4%) | 16(43.2%) | 0.67 | 241(32.3%) | 249(28.2%) | 0.07 |
|  | 15.  Parental understanding =never/rarely | 19(61.3%) | 22(59.5%) | 0.88 | 271(36.3%) | 281(31.9%) | 0.06 |
| **Externalizing behaviors** | 16.  Fighting ≥1 | 13(41.9%) | 1(2.7%) | <0.001\* | 187(25.1%) | 52(5.9%) | <0.001\* |
| 17.  Injuries ≥1 | 14(45.2%) | 16(43.2%) | 0.95 | 118(15.8%) | 100(11.3%) | 0.001\* |
| 18.  Bullying ≥1 | 13(41.9%) | 19(51.4%) | 0.33 | 166(22.3%) | 148(16.8%) | 0.002\* |
|  | 19.  Absence ≥1 | 5(16.1%) | 5(13.5%) | 0.76 | 44(5.9%) | 34(3.9%) | 0.051 |