

**Supplementary Table 1 Characteristics of study participants**

| Variables                  | n = 2252     | %    |
|----------------------------|--------------|------|
| <b>Age, years</b>          |              |      |
| 18–19                      | 896          | 39.8 |
| 20–21                      | 1021         | 45.3 |
| 22–23                      | 306          | 13.6 |
| ≥ 24                       | 29           | 1.3  |
| Range                      | 17–25        |      |
| Mean (SD)                  | 20.03 (1.31) |      |
| <b>Sex</b>                 |              |      |
| Male                       | 1066         | 47.3 |
| Female                     | 1186         | 52.7 |
| <b>Residence</b>           |              |      |
| Rural                      | 1154         | 51.2 |
| Urban                      | 1098         | 48.8 |
| <b>Birth order</b>         |              |      |
| 1                          | 816          | 36.2 |
| 2                          | 700          | 31.1 |
| 3                          | 471          | 20.9 |
| 4                          | 150          | 6.7  |
| ≥ 5                        | 115          | 5.1  |
| <b>Living with</b>         |              |      |
| Parents                    | 1943         | 86.3 |
| Siblings                   | 20           | 0.9  |
| Mother and stepfather      | 4            | 0.2  |
| Father and stepmother      | 15           | 0.7  |
| Grandparents               | 18           | 0.8  |
| Mother but father absent   | 110          | 4.9  |
| Father but mother absent   | 12           | 0.5  |
| Relatives                  | 13           | 0.6  |
| Alone                      | 23           | 1.0  |
| Not reported               | 94           | 4.2  |
| <b>Family size</b>         |              |      |
| 2                          | 9            | 0.4  |
| 3                          | 51           | 2.3  |
| 4                          | 317          | 14.1 |
| 5                          | 1032         | 45.8 |
| 6                          | 540          | 24.0 |
| 7                          | 196          | 8.7  |
| ≥ 8                        | 107          | 4.8  |
| Range                      | 2–14         |      |
| Mean (SD)                  | 5.39 (1.18)  |      |
| <b>Fathers' education:</b> |              |      |
| Illiterate                 | 95           | 4.2  |
| Read and write             | 181          | 8.0  |
| Primary                    | 149          | 6.6  |
| Secondary                  | 719          | 31.9 |
| University                 | 890          | 39.5 |
| Postgraduate               | 218          | 9.7  |

**Supplementary Table 1 Characteristics of study participants (concluded)**

| Variables                 | n = 2252        | %    |
|---------------------------|-----------------|------|
| <b>Mothers' education</b> |                 |      |
| Illiterate                | 237             | 10.5 |
| Read and write            | 160             | 7.1  |
| Primary                   | 120             | 5.3  |
| Secondary                 | 895             | 39.7 |
| University                | 707             | 31.4 |
| Postgraduate              | 133             | 5.9  |
| <b>Fathers' job</b>       |                 |      |
| Unemployed                | 55              | 2.4  |
| Manual worker             | 285             | 12.7 |
| Employee                  | 364             | 16.2 |
| Professional              | 862             | 38.3 |
| Private work              | 595             | 26.4 |
| Police/military           | 67              | 3.0  |
| Died                      | 24              | 1.1  |
| <b>Mothers' job</b>       |                 |      |
| Housewife                 | 1610            | 71.5 |
| Manual worker             | 11              | 0.5  |
| Employee                  | 10              | 0.4  |
| Professional              | 88              | 3.9  |
| Private work              | 2               | 0.1  |
| Died                      | 53 <sup>1</sup> | 23.6 |

SD = standard deviation.

frequency for 5 (45.8%). For fathers' education, 31.9% had secondary school education and 39.5% were university graduates, compared with 39.7% and 31.4% for mothers' education. For fathers' job, the highest frequency was for professionals (38.3%) followed by private work (26.4%). For mothers' job, 71.5% were housewives.

Students who had ever smoked tobacco represented 16.4%, which was significantly higher among male (33.1%) compared to female (3.3%) students (Table 1). The most frequently abused drugs were tranquilizers (8.7%), which was significantly more frequent among female than male students (10.6% vs 6.5%). The second most frequently abused drug was alcohol (6.7%), which was significantly more frequent among male than female students (12.9% vs 1.0%). The third most frequently abused drug was hashish (6.6%), which was significantly more frequent among male than female students (13.5% vs 0.3%). The least frequently abused drugs included crack (0.2%), vodo (0.3%) and opioid analgesics (0.4%), with no significant differences between male and female students.

Table 2 shows the drugs that were abused in the last month. Tranquilizers ranked first (4.3%) followed by bhang (1.4%) and tramadol (1.0%). Injecting drugs were ever reported by 1.8% of students, and their abuse in the

**Table 1 Ever-abused drugs in relation to students' gender**

| Variables              | Male (n = 1066) |      | Female (n = 1186) |      | Total (n = 2252) |      | $\chi^2$ | P     |
|------------------------|-----------------|------|-------------------|------|------------------|------|----------|-------|
|                        | n               | %    | n                 | %    | n                | %    |          |       |
| Tobacco                | 331             | 33.1 | 39                | 3.3  | 370              | 16.4 | 315.14   | 0.001 |
| Alcohol                | 138             | 12.9 | 12                | 1.0  | 150              | 6.7  | 128.60   | 0.001 |
| Tranquilizers          | 69              | 6.5  | 126               | 10.6 | 195              | 8.7  | 12.23    | 0.001 |
| Tramadol               | 50              | 4.7  | 3                 | 0.3  | 53               | 2.4  | 48.10    | 0.001 |
| Opioid analgesics      | 7               | 0.7  | 2                 | 0.2  | 9                | 0.4  | FE       | 0.094 |
| Hashish                | 144             | 13.5 | 4                 | 0.3  | 148              | 6.6  | 158.62   | 0.001 |
| Bhang                  | 66              | 6.2  | 1                 | 0.1  | 67               | 3.0  | 72.54    | 0.001 |
| Amphetamines           | 13              | 1.2  | 6                 | 0.5  | 19               | 0.8  | 3.42     | 0.065 |
| Cocaine                | 7               | 0.7  | 0                 | 0.0  | 7                | 0.3  | FE       | 0.005 |
| Hallucinogens          | 9               | 0.8  | 0                 | 0.0  | 9                | 0.4  | FE       | 0.001 |
| Crack                  | 4               | 0.4  | 0                 | 0.0  | 4                | 0.2  | FE       | 0.050 |
| Opioids                | 20              | 1.9  | 2                 | 0.2  | 22               | 1.0  | 16.92    | 0.001 |
| Heroin                 | 9               | 0.8  | 0                 | 0.0  | 9                | 0.4  | FE       | 0.001 |
| Synthetic cannabinoids | 12              | 1.1  | 0                 | 0.0  | 12               | 0.5  | 13.42    | 0.001 |
| Parkinol               | 7               | 0.7  | 0                 | 0.0  | 7                | 0.3  | FE       | 0.005 |
| Vodo                   | 6               | 0.6  | 1                 | 0.1  | 7                | 0.3  | FE       | 0.058 |
| Inhalants              | 9               | 0.8  | 6                 | 0.5  | 15               | 0.7  | 0.97     | 0.324 |

FE = Fisher's exact test.

**Table 2 Drug abuse in the last month in relation to students' gender**

| Variables              | Male (n = 1066) |      | Female (n = 1186) |     | Total (n = 2252) |      | $\chi^2$ | P     |
|------------------------|-----------------|------|-------------------|-----|------------------|------|----------|-------|
|                        | n               | %    | n                 | %   | n                | %    |          |       |
| Tobacco                | 192             | 18.0 | 8                 | 0.7 | 200              | 8.9  | 208.52   | 0.001 |
| Alcohol                | 58              | 5.4  | 3                 | 0.6 | 61               | 2.7  | 57.34    | 0.001 |
| Tranquilizers          | 39              | 3.7  | 58                | 4.9 | 97               | 4.3  | 2.07     | 0.151 |
| Tramadol               | 21              | 2.0  | 1                 | 0.1 | 22               | 1.0  | 20.64    | 0.001 |
| Opioid analgesics      | 3               | 0.3  | 5                 | 0.4 | 8                | 0.4  | FE       | 0.729 |
| Hashish                | 81              | 7.6  | 0                 | 0.0 | 81               | 3.6  | 93.48    | 0.001 |
| Bhang                  | 31              | 2.9  | 0                 | 0.0 | 31               | 1.4  | 34.97    | 0.001 |
| Amphetamines           | 5               | 0.5  | 1                 | 0.1 | 6                | 0.3  | FE       | 0.107 |
| Cocaine                | 1               | 0.1  | 0                 | 0.0 | 1                | 0.04 | FE       | 0.473 |
| Hallucinogens          | 4               | 0.4  | 0                 | 0.0 | 4                | 0.2  | FE       | 0.050 |
| Crack                  | 3               | 0.3  | 0                 | 0.0 | 3                | 0.1  | FE       | 0.106 |
| Opioids                | 7               | 0.7  | 0                 | 0.0 | 7                | 0.3  | FE       | 0.005 |
| Heroin                 | 5               | 0.5  | 0                 | 0.0 | 5                | 0.2  | FE       | 0.024 |
| Synthetic cannabinoids | 7               | 0.7  | 0                 | 0.0 | 7                | 0.3  | FE       | 0.005 |
| Parkinol               | 5               | 0.5  | 0                 | 0.0 | 5                | 0.2  | FE       | 0.024 |
| Vodo                   | 4               | 0.4  | 0                 | 0.0 | 4                | 0.2  | FE       | 0.050 |
| Inhalants              | 4               | 0.4  | 1                 | 0.1 | 5                | 0.2  | FE       | 0.196 |
| Injecting drugs        |                 |      |                   |     |                  |      |          |       |
| Ever in life           | 33              | 3.1  | 8                 | 0.7 | 41               | 1.8  | 18.41    | 0.001 |
| Last 6 months          | 23              | 2.2  | 1                 | 0.1 | 24               | 1.1  | 22.89    | 0.001 |
| Last month             | 15              | 1.4  | 1                 | 0.1 | 16               | 0.7  | 13.93    | 0.001 |

FE = Fisher's exact test.