

Supplementary file 1

| <b>Table S1.</b> Distribution of population aged $\geq 18$ years by selected demographic characteristics. |                                |   |  |  |
|---|--------------------------------|---|--|--|
| <b>Variables</b>  |                                | <b>Total Participants</b><br><i>n</i> = 30,541<br><b>(95% CI)</b> | <b>Female</b><br><i>n</i> =<br><b>(95% CI)</b> | <b>Male</b><br><i>n</i> =<br><b>(95% CI)</b> |
| <b>Gender</b>   |                                |   | 52.1% (51.5%–52.7%)                            | 47.9% (47.3%–48.5%)                          |
| <b>Age-groups</b>   | 18–24                          | 9.5% (9.2%–9.9%)  | 9.8 % (9.4%–10.3%)                             | 9.2% (8.7%–9.2%)                             |
|   | 25–34                          | 24.0% (23.5%–24.5%)   | 24.3% (23.6%–24.9%)                            | 23.7% (23%–24.4%)                            |
|   | 35–44                          | 21.2% (20.7%–21.7%)   | 21.0% (20.4%–21.7%)                            | 21.4% (20.7%–22.1%)                          |
|   | 45–54                          | 18.1% (17.6%–18.5%)   | 18.2% (17.6%–18.9%)                            | 17.9% (17.3%–18.5%)                          |
|   | 55–64                          | 14.2% (13.8%–14.6%)   | 14.2% (13.7%–14.8%)                            | 14.2% (13.7%–14.8%)                          |
|   | 65–69                          | 4.7% (4.5%–5.0%)  | 5.0% (4.6%–5.3%)                               | 4.4% (4.1%–4.8%)                             |
|   | 70+                            | 8.3% (7.9%–8.6%)  | 7.4% (7.0%–7.9%)                               | 9.1% (8.7%–9.6%)                             |
| <b>Marital status</b>   | Never married                  | 15.3% (14.9%–15.8%)   | 12.8% (12.3%–13.4%)                            | 18.0% (17.4%–18.7%)                          |
|   | Married                        | 76.7% (76.2%–77.2%)   | 73.6% (72.8%–74.3%)                            | 80.1% (79.4%–80.8%)                          |
|   | Divorced/separate with partner | 1.8% (1.6%–1.9%)  | 2.7% (2.4%–2.9%)                               | 0.8% (.7%–1.0%)                              |
|   | Widow                          | 6.2% (5.9%–6.5%)  | 10.9% (10.4%–11.4%)                            | 1.1% (.9%–1.3%)                              |
| <b>Education</b>  | Illiterate                     | 14.6% (14.2%–15.0%)   | 19.1% (18.5%–19.7%)                            | 9.7% (9.2%–10.1%)                            |
|   | Primary school                 | 24.3% (23.8%–24.8%)   | 25.1% (24.4%–25.8%)                            | 23.4% (22.7%–24.1%)                          |
|   | High school                    | 39.8% (39.3%–40.4%)   | 36.2% (35.5%–37.0%)                            | 43.8% (43.0%–44.6%)                          |
|   | Academic                       | 21.3% (20.9%–21.8%)   | 19.6% (19.0%–20.3%)                            | 23.2% (22.5%–23.9%)                          |

| <b>Table S2. Prevalence of ever smoking</b>                                   |             |        |                             |                            |       |
|---|-------------|--------|-----------------------------|----------------------------|-------|
| <b>Variables</b>  |             |        | <b>Point Estimation (%)</b> | <b>95% Uncertainty (%)</b> |       |
| <b>Total population</b>   |             |        | 21.1                        | 20.7                       | 21.6  |
| <b>Gender</b>   | Female      |        | 7.0                         | 6.6                        | 7.4   |
|   | Male        |        | 36.6                        | 35.8                       | 37.4  |
| <b>Age groups</b>   | 18–24 years |        | 11.47                       | 10.28                      | 12.77 |
|   | 25–34 years |        | 18.04                       | 17.14                      | 18.98 |
|   | 35–44 years |        | 21.57                       | 20.56                      | 22.63 |
|   | 45–54 years |        | 24.56                       | 23.41                      | 25.75 |
|   | 55–64 years |        | 25.60                       | 24.29                      | 26.96 |
|   | 65–69 years |        | 22.17                       | 20.04                      | 24.46 |
|   | 70+ years   |        | 24.41                       | 22.74                      | 26.16 |
| <b>Age group and sex</b>  | 18–24 years | Female | 4.30                        | 3.36                       | 5.49  |
|   |             | Male   | 19.85                       | 17.63                      | 22.27 |
|   | 25–34 years | Female | 5.89                        | 5.17                       | 6.72  |
|   |             | Male   | 31.61                       | 30.02                      | 33.25 |
|   | 35–44 years | Female | 6.21                        | 5.42                       | 7.11  |
|   |             | Male   | 37.99                       | 36.24                      | 39.78 |
|   | 45–54 years | Female | 7.46                        | 6.54                       | 8.50  |
|   |             | Male   | 43.49                       | 41.55                      | 45.46 |
|   | 55–64 years | Female | 7.60                        | 6.55                       | 8.80  |
|   |             | Male   | 45.23                       | 43.05                      | 47.44 |
|   | 65–69 years | Female | 9.46                        | 7.56                       | 11.79 |
|   |             | Male   | 37.62                       | 33.87                      | 41.53 |
|   | 70+ years   | Female | 11.99                       | 10.22                      | 14.03 |
|   |             | Male   | 35.47                       | 32.89                      | 38.13 |
| <b>Living location</b>  | Rural       |        | 21.86                       | 20.99                      | 22.77 |
|   | Urban       |        | 19.62                       | 19.06                      | 20.19 |
|   | Rural       | Female | 8.11                        | 7.35                       | 8.94  |
|   |             | Male   | 37.13                       | 35.63                      | 38.66 |
|   | Urban       | Female | 6.16                        | 5.70                       | 6.65  |
|   |             | Male   | 34.41                       | 33.43                      | 35.40 |
| <b>Education year</b>   | Illiterate  |        | 17.62                       | 15.68                      | 19.73 |
|   | 1–6         |        | 22.73                       | 21.55                      | 23.95 |
|   | 7–12        |        | 22.25                       | 21.41                      | 23.11 |
|   | >12         |        | 14.89                       | 13.89                      | 15.94 |
| <b>History of smoking quit in population based on sex and Education years</b> | Illiterate  | Female | 10.91                       | 9.12                       | 13.01 |
|   | Illiterate  | Male   | 35.41                       | 30.13                      | 41.07 |
|   | 1–6         | Female | 7.27                        | 6.37                       | 8.28  |
|   | 1–6         | Male   | 42.94                       | 40.42                      | 45.50 |
|   | 7–12        | Female | 5.03                        | 4.39                       | 5.76  |
|   | 7–12        | Male   | 36.64                       | 35.35                      | 37.95 |

|                       |                 |        |       |       |       |
|-----------------------|-----------------|--------|-------|-------|-------|
|                       | >12             | Female | 4.21  | 3.44  | 5.14  |
|                       | >12             | Male   | 23.57 | 21.99 | 25.24 |
| <b>Income</b>         | Lower 200\$     |        | 21.59 | 20.84 | 22.36 |
|                       | 200\$ – 400\$   |        | 25.53 | 24.53 | 26.55 |
|                       | 400\$ to 800\$  |        | 23.78 | 21.20 | 26.57 |
|                       | 800\$ to 1300\$ |        | 18.60 | 13.60 | 24.91 |
|                       | > 1300\$        |        | 28.97 | 17.59 | 43.80 |
| <b>Income</b>         | Lower 200\$     | Female | 8.55  | 7.90  | 9.26  |
|                       | Lower 200\$     | Male   | 39.92 | 38.55 | 41.31 |
|                       | 200\$ – 400\$   | Female | 5.91  | 5.10  | 6.83  |
|                       | 200\$ – 400\$   | Male   | 36.21 | 34.78 | 37.67 |
|                       | 400\$ – 800\$   | Female | 5.32  | 3.25  | 8.59  |
|                       | 400\$ – 800\$   | Male   | 32.02 | 28.29 | 35.99 |
|                       | 800\$ – 1300\$  | Female | 9.91  | 4.29  | 21.27 |
|                       | 800\$ – 1300\$  | Male   | 21.46 | 15.06 | 29.64 |
|                       | > 1300\$        | Female | NA    | –     | –     |
| > 1300\$              | Male            | 38.94  | 24.55 | 55.56 |       |
| <b>Marital status</b> | Single          |        | 15.63 | 13.20 | 18.42 |
|                       | Married         |        | 20.53 | 19.96 | 21.12 |
|                       | Separated       |        | 20.73 | 16.95 | 25.11 |
|                       | Widow           |        | 12.10 | 9.04  | 16.01 |
| <b>Marital status</b> | Single          | Female | 4.51  | 2.94  | 6.87  |
|                       | Single          | Male   | 31.69 | 26.12 | 37.84 |
|                       | Married         | Female | 6.37  | 5.90  | 6.88  |
|                       | Married         | Male   | 37.26 | 35.76 | 38.78 |
|                       | Separated       | Female | 10.05 | 7.27  | 13.72 |
|                       | Separated       | Male   | 62.70 | 49.77 | 74.03 |
|                       | Widow           | Female | 10.61 | 7.58  | 14.66 |
|                       | Widow           | Male   | 42.22 | 26.21 | 60.05 |

| <b>Table S3. The prevalence of passive smoking.</b> |        |                            |                                |       |
|---|--------|----------------------------|--------------------------------|-------|
| <b>Variables</b>                                    |        | <b>Prevalence rate (%)</b> |                                |       |
|   |        | <b>Pint Estimation</b>     | <b>95% Confidence Interval</b> |       |
| <b>Total population</b>                             |        | 31.5                       | 31.0                           | 32.1  |
| <b>Female</b>                                       |        | 28.11                      | 27.37                          | 28.85 |
| <b>Male</b>   |        | 36.08                      | 35.24                          | 36.92 |
| <b>18–24 years</b>                                  |        | 34.85                      | 33.04                          | 36.70 |
| <b>25–34 years</b>                                  |        | 34.63                      | 33.52                          | 35.76 |
| <b>35–44 years</b>                                  |        | 34.79                      | 33.61                          | 35.98 |
| <b>45–54 years</b>                                  |        | 30.59                      | 29.37                          | 31.83 |
| <b>55–64 years</b>                                  |        | 28.24                      | 26.90                          | 29.62 |
| <b>65–69 years</b>                                  |        | 23.65                      | 21.49                          | 25.96 |
| <b>70+ years</b>                                    |        | 22.61                      | 20.99                          | 24.31 |
| <b>18–24 years</b>                                  | Female | 31.90                      | 29.53                          | 34.35 |
|   | Male   | 38.29                      | 35.54                          | 41.12 |
| <b>25–34 years</b>                                  | Female | 28.72                      | 27.28                          | 30.20 |
|   | Male   | 41.20                      | 39.51                          | 42.90 |
| <b>35–44 years</b>                                  | Female | 29.92                      | 28.36                          | 31.52 |
|   | Male   | 39.98                      | 38.22                          | 41.75 |
| <b>45–54 years</b>                                  | Female | 27.27                      | 25.66                          | 28.95 |
|   | Male   | 34.25                      | 32.43                          | 36.13 |
| <b>55–64 years</b>                                  | Female | 25.37                      | 23.59                          | 27.24 |
|   | Male   | 31.35                      | 29.36                          | 33.42 |
| <b>65–69 years</b>                                  | Female | 23.22                      | 20.36                          | 26.35 |
|   | Male   | 24.18                      | 20.98                          | 27.69 |
| <b>70+ years</b>                                    | Female | 21.22                      | 18.95                          | 23.69 |
|   | Male   | 23.84                      | 21.59                          | 26.24 |
| <b>Rural</b>  |        | 39.95                      | 38.87                          | 41.04 |
| <b>Urban</b>  |        | 28.60                      | 27.96                          | 29.25 |
| <b>Rural</b>  | Female | 37.21                      | 35.76                          | 38.68 |
|   | Male   | 42.97                      | 41.36                          | 44.60 |
| <b>Urban</b>  | Female | 24.36                      | 23.52                          | 25.23 |
|   | Male   | 33.28                      | 32.30                          | 34.27 |
| <b>Illiterate</b>                                   |        | 43.69                      | 40.16                          | 47.28 |

|                          |        |       |       |       |
|--------------------------|--------|-------|-------|-------|
| <b>1–6 years</b>         |        | 38.98 | 37.44 | 40.54 |
| <b>7–12 years</b>        |        | 31.12 | 30.24 | 32.02 |
| <b>&gt;12 years</b>      |        | 20.92 | 19.88 | 22.00 |
| <b>Illiterate</b>        | Female | 42.74 | 38.65 | 46.93 |
|                          | Male   | 46.87 | 40.00 | 53.86 |
| <b>1–6 years</b>         | Female | 35.03 | 33.13 | 36.98 |
|                          | Male   | 44.01 | 41.37 | 46.69 |
| <b>7–12 years</b>        | Female | 25.47 | 24.24 | 26.75 |
|                          | Male   | 36.17 | 34.93 | 37.44 |
| <b>&gt;12 years</b>      | Female | 15.79 | 14.45 | 17.23 |
|                          | Male   | 25.56 | 24.03 | 27.17 |
| <b>Never married</b>     |        | 26.53 | 23.78 | 29.47 |
| <b>Married</b>           |        | 33.23 | 32.48 | 34.00 |
| <b>Divorced/Separate</b> |        | 33.20 | 28.37 | 38.40 |
| <b>Widow</b>             |        | 31.63 | 23.02 | 41.72 |
| <b>&lt; 200\$</b>        |        | 37.08 | 36.18 | 37.99 |
| <b>200\$ – 400\$</b>     |        | 33.82 | 32.71 | 34.96 |
| <b>400\$–800\$</b>       |        | 26.10 | 23.38 | 29.02 |
| <b>800\$ –1300\$</b>     |        | 23.75 | 14.99 | 35.50 |
| <b>&gt;1300\$</b>        |        | 38.14 | 25.82 | 52.22 |
| <b>&lt; 200\$</b>        | Female | 33.08 | 31.93 | 34.25 |
|                          | Male   | 42.58 | 41.15 | 44.02 |
| <b>200\$–400\$</b>       | Female | 26.69 | 25.02 | 28.44 |
|                          | Male   | 37.72 | 36.24 | 39.22 |
| <b>400\$–800\$</b>       | Female | 18.72 | 15.07 | 23.00 |
|                          | Male   | 30.52 | 26.81 | 34.50 |
| <b>800\$–1300\$</b>      | Female | 19.92 | 11.37 | 32.53 |
|                          | Male   | 28.57 | 17.99 | 42.17 |
| <b>&gt;1300\$</b>        | Female | 20.54 | 8.16  | 42.92 |
|                          | Male   | 43.85 | 28.84 | 60.07 |

| <b>Table S4.</b> The prevalence of subjects that was smoker and quitted. |             |                         |       |                        |       |
|--|-------------|-------------------------|-------|------------------------|-------|
| <b>Variables</b>   |             | <b>Point Estimation</b> |       | <b>95% Uncertainty</b> |       |
| <b>History of smoking quit in population</b>                             |             | 18.74                   |       | 16.61                  | 21.07 |
| <b>Gender</b>  | Female      |                         | 16.10 | 9.16                   | 26.75 |
|  | Male        |                         | 18.84 | 16.64                  | 21.25 |
| <b>Age groups</b>  | 18–24 years |                         | 24.29 | 15.30                  | 36.32 |
|  | 25–34 years |                         | 22.29 | 18.36                  | 26.79 |
|  | 35–44 years |                         | 18.51 | 15.62                  | 21.80 |
|  | 4 –54 years |                         | 19.51 | 16.56                  | 22.84 |
|  | 55–64 years |                         | 12.53 | 10.06                  | 15.50 |
|  | 65–69 years |                         | 10.36 | 6.59                   | 15.93 |
|  | 70+ years   |                         | 8.75  | 6.16                   | 12.28 |
| <b>Age group and sex</b>   | 18–24 years | Female                  | 25.00 | 3.34                   | 76.26 |
|  |             | Male                    | 24.25 | 15.01                  | 36.70 |
|  | 25–34 years | Female                  | 19.35 | 7.79                   | 40.53 |
|  |             | Male                    | 22.46 | 18.41                  | 27.12 |
|  | 35–44 years | Female                  | 11.96 | 4.75                   | 27.01 |
|  |             | Male                    | 18.88 | 15.88                  | 22.29 |
|  | 45–54 years | Female                  | 16.06 | 7.20                   | 32.04 |
|  |             | Male                    | 19.71 | 16.66                  | 23.15 |
|  | 55–64 years | Female                  | 4.46  | 1.11                   | 16.26 |
|  |             | Male                    | 13.19 | 10.57                  | 16.36 |
|  | 65–69 years | Female                  | 18.28 | 7.05                   | 39.75 |
|  |             | Male                    | 9.14  | 5.44                   | 14.95 |
|  | 70+ years   | Female                  | 12.38 | 5.63                   | 25.07 |
|  |             | Male                    | 8.18  | 5.52                   | 11.96 |
| <b>History of smoking quit in population based on the living</b>         |             | Rural                   | 16.99 | 13.44                  | 21.23 |
|  |             | Urban                   | 19.11 | 16.63                  | 21.87 |
|  |             | Illiterate              | 31.91 | 25.66                  | 38.88 |

|   |                 |        |       |       |       |
|---|-----------------|--------|-------|-------|-------|
| <b>Education year</b>   |                 | 1-6    | 15.38 | 12.89 | 18.24 |
|   |                 | 7-12   | 18.51 | 15.75 | 21.63 |
|   |                 | >12    | 18.31 | 13.52 | 24.33 |
| <b>History of smoking quit in population based on sex and Education years</b> | Illiterate      | Female | 33.77 | 29.57 | 38.24 |
|   | Illiterate      | Male   | 32.05 | 25.32 | 39.62 |
|   | 1-6             | Female | 30.38 | 15.96 | 50.06 |
|   | 1-6             | Male   | 14.89 | 12.39 | 17.79 |
|   | 7-12            | Female | 13.55 | 8.43  | 21.06 |
|   | 7-12            | Male   | 18.81 | 15.97 | 22.03 |
|   | >12             | Female | 10.94 | 3.34  | 30.41 |
|   | >12             | Male   | 18.65 | 13.61 | 25.02 |
| <b>History of smoking quit in population based on income</b>                  | Lower 200\$     |        | 19.41 | 17.11 | 22.99 |
|   | 200\$ - 400\$   |        | 19.92 | 19.00 | 23.90 |
|   | 400\$ to 800\$  |        | 15.48 | 27.88 | 21.76 |
|   | 800\$ to 1300\$ |        | 1.77  | 17.55 | 11.56 |
|   | > 1300\$        |        | NA    | —     | —     |