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| **Supplementary Material 1. General characteristics with standard deviation for weighted mean and 95% confidence intervals for weighted percentage** |
|  | **Year** |
|  | **2006** | **2007** | **2008** | **2009** | **2010** | **2011** | **2012** | **2013** | **2014** | **2015** | **2016** | **2017** | **2018** | **2019** | **2020** |
| N = | 57,511 | 60,817 | 61,804 | 60,363 | 57,749 | 61,732 | 59,724 | 56,849 | 55,934 | 52,166 | 50,310 | 47,241 | 45,291 | 47,095 | 43,624 |
| Age, mean (year) | 15.07±0.03 | 15.12±0.03 | 15.12±0.02 | 15.21±0.03 | 15.24±0.03 | 15.28±0.02 | 15.08±0.02 | 15.11±0.02 | 15.15±0.02 | 15.22±0.02 | 15.25±0.02 | 15.26±0.02 | 15.29±0.02 | 15.19±0.02 | 15.31±0.02 |
| **Subgroups** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Sex (%) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Boys | 51.2(48.2-54.2) | 51.5(48.4-54.6) | 51.9(49-54.8) | 52(48.9-55) | 52(48.7-55.4) | 51.6(49-54.2) | 51.6(48.7-54.5) | 51.4(48.5-54.4) | 50.9(48.1-53.7) | 51.1(48.1-54) | 51.3(48.3-54.2) | 51.2(48.3-54.1) | 51.1(48.3-53.9) | 52.1(49.4-54.8) | 51.6(49.1-54.2) |
|  | Girls | 48.8(45.8-51.8) | 48.5(45.4-51.6) | 48.1(45.2-51) | 48(45-51.1) | 48(44.6-51.3) | 48.4(45.8-51) | 48.4(45.5-51.3) | 48.6(45.6-51.5) | 49.1(46.3-51.9) | 48.9(46-51.9) | 48.7(45.8-51.7) | 48.8(45.9-51.7) | 48.9(46.1-51.7) | 47.9(45.2-50.6) | 48.4(45.8-50.9) |
| Stage (%) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | High school | 49.2(47.4-51) | 51.1(49.2-52.9) | 51.3(49.7-52.9) | 52.7(50.9-54.5) | 53.3(51.4-55.2) | 53.7(52.3-55.1) | 54.5(53-56.1) | 55.4(53.8-57.1) | 55.6(54-57.1) | 56.5(54.9-58.2) | 58.3(56.7-59.8) | 58.1(56.4-59.8) | 56.9(55.2-58.6) | 54.7(53-56.3) | 53.6(51.9-55.3) |
|  | Middle school | 50.8(49-52.6) | 48.9(47.1-50.8) | 48.7(47.1-50.3) | 47.3(45.5-49.1) | 46.7(44.8-48.6) | 46.3(44.9-47.7) | 45.5(43.9-47) | 44.6(42.9-46.2) | 44.4(42.9-46) | 43.5(41.8-45.1) | 41.7(40.2-43.3) | 41.9(40.2-43.6) | 43.1(41.4-44.8) | 45.3(43.7-47) | 46.4(44.7-48.1) |
| **Socioeconomic factors** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Household income (%) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | High | 32.6(31.7-33.4) | 29.9(29.1-30.8) | 30.4(29.7-31.2) | 30.0(29.1-30.9) | 31.8(30.9-32.7) | 32.3(31.5-33.1) | 32.4(31.6-33.1) | 34.3(33.5-35.1) | 35.9(35.1-36.7) | 38.8(38.0-39.6) | 39.7(38.9-40.5) | 43.0(42.1-43.9) | 44.1(43.3-44.9) | 41.1(40.3-41.9) | 42.0(41.2-42.9) |
|  | Middle | 47.5(46.8-48.2) | 47.2(46.6-47.7) | 47.1(46.5-47.6) | 47.1(46.4-47.7) | 46.4(45.7-47) | 46.4(45.9-47.0) | 46.3(45.7-46.8) | 46.5(45.9-47.0) | 47.2(46.6-47.8) | 45.5(44.9-46.1) | 46(45.4-46.6) | 44.0(43.3-44.7) | 44.1(43.5-44.7) | 47.2(46.6-47.8) | 46.1(45.4-46.8) |
|  | Low | 19.9(19.3-20.5) | 22.9(22.2-23.5) | 22.5(21.9-23.1) | 23.0(22.3-23.6) | 21.8(21.2-22.5) | 21.3(20.7-21.8) | 21.4(20.8-21.9) | 19.2(18.7-19.8) | 16.9(16.4-17.4) | 15.6(15.2-16.1) | 14.3(13.9-14.7) | 12.9(12.5-13.4) | 11.8(11.4-12.2) | 11.7(11.3-12.1) | 11.8(11.4-12.2) |
| Father's education (%) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Tertiary or above | 45.7(44.2-47.2) | 47.2(45.8-48.6) | 49.3(48-50.6) | 51.0(49.7-52.3) | 53.3(52-54.7) | 54.8(53.7-56) | 55.1(54-56.2) | 56.7(55.6-57.8) | 60.3(59.3-61.4) | 63.0(61.9-64.1) | 63.8(62.7-64.8) | 66.3(65.2-67.4) | 68.7(67.7-69.7) | 69.9(68.9-71.0) | 71.7(70.7-72.8) |
|  | Upper secondary | 45.6(44.4-46.9) | 45.3(44.1-46.5) | 43.7(42.6-44.7) | 42.5(41.3-43.7) | 40.8(39.6-42) | 40.2(39.2-41.2) | 40.4(39.4-41.4) | 39.4(38.4-40.4) | 36.4(35.4-37.4) | 34.2(33.2-35.2) | 33.8(32.8-34.8) | 31.5(30.5-32.6) | 29.6(28.6-30.6) | 28.3(27.3-29.3) | 26.7(25.7-27.7) |
|  | Basic or less | 8.7(8.2-9.1) | 7.5(7.1-7.9) | 7.0(6.7-7.4) | 6.5(6.2-6.8) | 5.9(5.5-6.2) | 5.0(4.7-5.2) | 4.5(4.2-4.7) | 3.9(3.7-4.2) | 3.3(3.1-3.4) | 2.8(2.6-3.0) | 2.4(2.3-2.6) | 2.1(2.0-2.3) | 1.7(1.6-1.8) | 1.8(1.6-1.9) | 1.6(1.4-1.8) |
| Mother's education (%) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Tertiary or above | 30.3(29.0-31.6) | 31.1(29.8-32.4) | 34.3(33.0-35.5) | 36.8(35.5-38.2) | 39.2(37.7-40.6) | 41.6(40.4-42.7) | 43.1(42.0-44.2) | 45.9(44.8-47.0) | 50.5(49.5-51.6) | 54.4(53.3-55.6) | 56.4(55.3-57.5) | 59.8(58.6-60.9) | 63.5(62.4-64.5) | 65.8(64.7-66.9) | 67.8(66.7-68.9) |
|  | Upper secondary | 59.2(58.1-60.3) | 60.0(58.9-61.1) | 58.3(57.3-59.3) | 56.6(55.4-57.8) | 54.8(53.5-56.1) | 53.3(52.3-54.4) | 52.4(51.4-53.4) | 50.4(49.3-51.4) | 46.6(45.6-47.6) | 43.1(42.1-44.2) | 41.6(40.5-42.6) | 38.4(37.3-39.5) | 35.1(34.1-36.1) | 32.8(31.7-33.8) | 31.1(30.0-32.1) |
|  | Basic or less | 10.5(10.0-11.0) | 8.9(8.5-9.3) | 7.4(7.1-7.8) | 6.6(6.2-6.9) | 6.0(5.7-6.3) | 5.1(4.8-5.3) | 4.5(4.3-4.8) | 3.8(3.6-4.0) | 2.8(2.7-3.0) | 2.4(2.3-2.6) | 2.1(1.9-2.2) | 1.8(1.6-1.9) | 1.5(1.3-1.6) | 1.4(1.3-1.6) | 1.1(1.0-1.3) |
| Urbanicity (%) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Metropolitan cities | 47.2(45.6-48.9) | 46.6(44.9-48.2) | 55.2(53.6-56.8) | 54.7(52.9-56.5) | 45.7(44.0-47.4) | 45.3(44.1-46.6) | 44.8(43.4-46.1) | 44.7(43.2-46.2) | 43.9(42.5-45.2) | 44.3(42.8-45.8) | 43.7(42.3-45.1) | 43.9(42.4-45.4) | 43.7(42.2-45.1) | 43.2(41.8-44.6) | 42.9(41.4-44.4) |
|  | Other cities | 45.2(43.1-47.2) | 47.1(45.3-48.9) | 39.6(37.9-41.3) | 40.2(38.3-42.0) | 48.1(46.1-50.0) | 48.7(47.2-50.3) | 49.3(47.7-50.9) | 48.6(46.9-50.4) | 49.9(48.3-51.6) | 49.8(48.1-51.5) | 50.8(49.3-52.4) | 50.3(48.6-52.0) | 50.7(49.1-52.3) | 51.5(49.9-53.1) | 51.5(49.9-53.2) |
|  | Rural areas | 7.6(6.3-8.9) | 6.3(5.7-7.0) | 5.2(4.6-5.8) | 5.1(4.6-5.7) | 6.2(5.3-7.2) | 5.9(5.1-6.8) | 6.0(5.2-6.8) | 6.7(5.6-7.7) | 6.2(5.3-7.1) | 5.9(4.9-6.8) | 5.4(4.6-6.3) | 5.8(4.7-6.9) | 5.6(4.6-6.7) | 5.3(4.5-6.1) | 5.5(4.7-6.4) |
| Age was presented as weighted mean (year) with standard deviation, and others were as weighted percentage (%) with 95% confidence interval. |