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| **Supplementary Material 9. Prevalence of stunting according to socioeconomic status** |
|  |  |  |  |  |  |  |  | **Year** |  |  |  |  |  |  |  |
|  | **2006** | **2007** | **2008** | **2009** | **2010** | **2011** | **2012** | **2013** | **2014** | **2015** | **2016** | **2017** | **2018** | **2019** | **2020** |
| **Household income (%)** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  High | 260 (1.4) | 155 (1.0) | 183 (0.9) | 174 (0.9) | 175 (0.9) | 176 (0.9) | 181 (0.9) | 179 (0.9) | 175 (0.9) | 147 (0.7) | 189 (0.9) | 201 (1.0) | 148 (0.7) | 162 (0.8) | 148 (0.8) |
|  Middle | 445 (1.7) | 435 (1.4) | 419 (1.3) | 372 (1.2) | 395 (1.3) | 389 (1.3) | 378 (1.4) | 343 (1.2) | 351 (1.3) | 335 (1.4) | 303 (1.3) | 287 (1.4) | 201 (0.9) | 253 (1.1) | 241 (1.2) |
|  Low | 276 (2.5) | 285 (1.8) | 289 (1.9) | 272 (1.7) | 260 (1.8) | 243 (1.8) | 245 (2.0) | 237 (2.0) | 188 (1.9) | 150 (1.8) | 125 (1.7) | 130 (2.3) | 102 (1.9) | 118 (2.0) | 81 (1.6) |
| **Father's education (%)** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  Tertiary or above | 325 (1.5) | 265 (1.0) | 310 (1.1) | 279 (0.9) | 321 (1.0) | 302 (1.0) | 337 (1.1) | 288 (0.9) | 320 (1.0) | 289 (0.9) | 301 (1.0) | 312 (1.1) | 247 (0.8) | 177 (1.0) | 204 (1.0) |
|  Upper secondary | 466 (1.7) | 387 (1.4) | 373 (1.3) | 372 (1.4) | 362 (1.4) | 387 (1.5) | 359 (1.5) | 370 (1.6) | 300 (1.5) | 265 (1.5) | 248 (1.5) | 239 (1.6) | 158 (1.1) | 95 (1.2) | 104 (1.2) |
|  Basic or less | 190 (3.2) | 129 (2.3) | 116 (2.6) | 106 (2.3) | 105 (2.9) | 66 (1.7) | 62 (2.2) | 54 (2.4) | 53 (2.6) | 31 (2.4) | 26 (1.9) | 24 (2.1) | 15 (1.5) | 12 (2.0) | 6 (1.7) |
| **Mother's education (%)** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  Tertiary or above | 207 (1.5) | 177 (1.0) | 212 (1.0) | 201 (0.9) | 231 (1.0) | 231 (1.0) | 257 (1.1) | 249 (0.9) | 267 (1.0) | 235 (0.8) | 265 (1.0) | 281 (1.0) | 224 (0.8) | 152 (0.8) | 183 (0.9) |
|  Upper secondary | 568 (1.7) | 448 (1.3) | 473 (1.3) | 467 (1.3) | 469 (1.3) | 460 (1.4) | 437 (1.4) | 411 (1.4) | 352 (1.4) | 330 (1.5) | 283 (1.4) | 278 (1.6) | 192 (1.1) | 129 (1.4) | 128 (1.3) |
|  Basic or less | 206 (2.8) | 153 (2.3) | 109 (2.2) | 92 (1.9) | 90 (2.2) | 70 (2.0) | 62 (2.4) | 55 (2.4) | 41 (2.3) | 28 (2.3) | 27 (2.5) | 23 (3.0) | 9 (1.4) | 8 (1.6) | 10 (3.5) |
| **Urbanicity (%)** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  Metropolitan cities | 400 (1.4) | 356 (1.2) | 407 (1.2) | 372 (1.1) | 329 (1.1) | 323 (1.1) | 340 (1.3) | 324 (1.2) | 290 (1.2) | 254 (1.1) | 254 (1.1) | 254 (1.2) | 194 (0.9) | 215 (1.1) | 193 (1.0) |
|  Other cities | 401 (2.0) | 356 (1.4) | 344 (1.4) | 305 (1.3) | 351 (1.4) | 360 (1.4) | 359 (1.4) | 344 (1.3) | 345 (1.2) | 311 (1.2) | 310 (1.2) | 302 (1.3) | 212 (0.9) | 259 (1.1) | 225 (1.1) |
|  Rural areas | 180 (2.5) | 163 (2.0) | 140 (2.0) | 141 (2.1) | 150 (1.8) | 125 (1.5) | 105 (1.6) | 91 (1.2) | 79 (1.9) | 67 (1.6) | 53 (1.4) | 62 (1.8) | 45 (1.3) | 59 (1.8) | 52 (1.4) |
| Stunting was defined as height-for-age less than two standard deviations from the median based on the 2017 KNGC.The prevalence was calculated as the proportion of stunting adolescents in each of three socioeconomic groups. |