

eTable 3. Trends in age-standardized prevalence (95% confidence intervals) of overweight and obesity among South Korean boys and girls aged 2-19

| | 1998 | 2001 | 2005 | 2007-2009 | 2010-2012 | P for trend (1998 to 2012) | P for trend (2001 to 2012) |
|--|------|------------------|------------------|------------------|------------------|----------------------------|----------------------------|
| Boys and girls, aged 2-19 years | | | | | | | |
| Obesity | | | | | | | |
| IOTF | | 4.1 (3.1-5.1) | 3.9 (2.8-5.0) | 4.2 (3.6-4.8) | 4.3 (3.6-5.1) | | 0.851 |
| CDC 2000 | | 7.9 (6.8-9.0) | 7.2 (5.8-8.5) | 7.7 (6.9-8.4) | 7.4 (6.5-8.2) | | 0.615 |
| WHO MGRS | | 8.8 (7.5-10.0) | 8.0 (6.6-9.4) | 8.3 (7.5-9.1) | 7.9 (7.0-8.9) | | 0.534 |
| KCDC 2007 | | 7.9 (6.6-9.1) | 6.7 (5.3-8.0) | 6.9 (6.2-7.7) | 7.3 (6.3-8.2) | | 0.846 |
| Overweight | | | | | | | |
| IOTF | | 21.0 (18.9-23.0) | 19.8 (17.6-22.0) | 20.8 (19.5-22.1) | 20.5 (19.2-21.9) | | 0.904 |
| CDC 2000 | | 22.9 (20.9-24.9) | 19.4 (17.4-21.4) | 21.0 (19.8-22.2) | 21.3 (20.0-22.7) | | 0.564 |
| WHO MGRS | | 27.9 (25.8-30.0) | 25.6 (23.3-27.8) | 27.0 (25.6-28.3) | 26.4 (24.9-27.9) | | 0.446 |
| KCDC 2007 | | 19.1 (17.3-20.9) | 18.1 (16.0-20.1) | 18.5 (17.3-19.8) | 17.9 (16.6-19.3) | | 0.408 |
| Boys and girls, aged 2-9 years | | | | | | | |
| Obesity | | | | | | | |
| IOTF | | 4.7 (3.1-6.3) | 3.3 (1.9-4.6) | 5.2 (4.2-6.1) | 5.1 (3.9-6.3) | | 0.382 |
| CDC 2000 | | 9.6 (7.5-11.7) | 6.8 (5.0-8.6) | 9.8 (8.5-11.2) | 9.8 (8.2-11.4) | | 0.427 |
| WHO MGRS | | 9.6 (7.5-11.7) | 7.7 (5.9-9.5) | 10.3 (9.0-11.7) | 9.9 (8.3-11.5) | | 0.320 |
| KCDC 2007 | | 7.3 (5.5-9.1) | 5.0 (3.4-6.7) | 7.7 (6.6-8.9) | 7.3 (5.8-8.7) | | 0.563 |

| | | | | | | | |
|------------|--|------------------|------------------|------------------|------------------|--|-------|
| Overweight | | | | | | | |
| IOTF | | 19.1 (16.3-22.0) | 16.0 (13.5-18.6) | 19.8 (18.0-21.7) | 19.1 (17.0-21.3) | | 0.538 |
| CDC 2000 | | 24.6 (21.7-27.5) | 18.5 (15.9-21.2) | 24.2 (22.2-26.2) | 23.6 (21.2-26.0) | | 0.912 |
| WHO MGRS | | 30.7 (27.6-33.9) | 22.8 (19.9-25.8) | 30.8 (28.7-33.0) | 29.4 (26.9-31.9) | | 0.750 |
| KCDC 2007 | | 18.8 (16.1-21.4) | 14.3 (11.7-16.9) | 18.6 (16.8-20.4) | 17.4 (15.3-19.4) | | 0.921 |

Boys and girls, aged 10-19 years

| | | | | | | | |
|------------|------------------|------------------|------------------|------------------|------------------|---------|-------|
| Obesity | | | | | | | |
| IOTF | 1.5 (1.0-2.0) | 3.7 (2.6-4.8) | 4.3 (2.8-5.8) | 3.6 (2.9-4.4) | 3.9 (3.0-4.8) | 0.0001 | 0.864 |
| CDC 2000 | 3.2 (2.4-3.9) | 7.0 (5.6-8.3) | 7.4 (5.5-9.2) | 6.5 (5.5-7.4) | 6.0 (5.0-7.0) | 0.001 | 0.088 |
| WHO MGRS | 3.6 (2.7-4.5) | 8.3 (6.8-9.8) | 8.2 (6.2-10.1) | 7.2 (6.2-8.2) | 6.8 (5.7-7.9) | 0.002 | 0.048 |
| KCDC 2007 | 3.9 (3.1-4.8) | 8.2 (6.6-9.8) | 7.6 (5.6-9.5) | 6.5 (5.4-7.5) | 7.3 (6.1-8.5) | 0.002 | 0.406 |
| Overweight | | | | | | | |
| IOTF | 14.7 (12.9-16.6) | 22.0 (19.3-24.8) | 21.9 (18.8-25.0) | 21.3 (19.7-23.0) | 21.4 (19.6-23.1) | <0.0001 | 0.574 |
| CDC 2000 | 13.0 (11.3-14.7) | 21.9 (19.3-24.4) | 19.9 (17.1-22.6) | 19.2 (17.7-20.6) | 20.1 (18.4-21.7) | <0.0001 | 0.347 |
| WHO MGRS | 18.6 (16.5-20.7) | 26.2 (23.5-28.9) | 27.2 (24.0-30.3) | 24.8 (23.0-26.5) | 24.7 (22.9-26.4) | 0.001 | 0.106 |
| KCDC 2007 | 13.6 (11.8-15.5) | 19.3 (16.9-21.6) | 20.2 (17.3-23.1) | 18.5 (16.9-20.1) | 18.3 (16.6-19.9) | 0.005 | 0.191 |

CDC 2000, United States Centers for Disease Control and Prevention criteria in 2000; IOTF, International Obesity Taskforce; KCDC 2007, Korea Centers for Disease Control and Prevention criteria in 2007; WHO MGRS, World Health Organization Multicentre Growth Reference Study.

Note: Overweight includes obesity.