

| EGYPT        |         |      |       |     |           |             |                                 |      |            |      |               |      |      |      |      |           |      |      |      |      |                     |       |     |
|--------------|---------|------|-------|-----|-----------|-------------|---------------------------------|------|------------|------|---------------|------|------|------|------|-----------|------|------|------|------|---------------------|-------|-----|
| Admin. level | Months  | Year | Area  | Sex | Age group | Sample size | Percentage below / above median |      |            |      |               |      |      |      |      |           |      |      |      |      |                     | Notes | Ref |
|              |         |      |       |     |           |             | Weight/age                      |      | Height/age |      | Weight/height |      |      |      |      | BMI / age |      |      |      |      |                     |       |     |
|              |         |      |       |     |           |             | -3SD                            | -2SD | -3SD       | -2SD | -3SD          | -2SD | +1SD | +2SD | +3SD | -3SD      | -2SD | +1SD | +2SD | +3SD |                     |       |     |
| National     | JAN-APR | 1978 |       |     | 0.50-4.99 | 8505        |                                 | 13.9 |            | 43.8 |               | 1.7  |      | 3.8  |      |           |      |      |      |      | Converted estimates | 00236 |     |
| National     |         | 1988 |       |     | 0.25-2.99 | 2077        | 4.1                             | 11.6 | 17.0       | 36.6 | 0.7           | 2.2  | 27.4 | 6.8  | 1.4  | 0.7       | 2.3  | 34.4 | 9.5  | 2.4  |                     | 00272 |     |
|              |         |      |       |     | 0.25-2.99 | 199         | 1.6                             | 2.6  | 7.1        | 24.2 | 0.0           | 0.2  | 36.8 | 9.1  | 1.1  | 0.0       | 0.2  | 45.5 | 11.9 | 1.1  | Lower Egypt (urban) |       |     |
|              |         |      |       |     | 0.25-2.99 | 614         | 4.4                             | 12.3 | 18.1       | 37.4 | 0.0           | 1.1  | 30.2 | 8.4  | 1.9  | 0.0       | 1.5  | 38.4 | 12.0 | 3.3  | Lower Egypt (rural) |       |     |
|              |         |      |       |     | 0.25-2.99 | 252         | 2.1                             | 8.5  | 9.4        | 32.0 | 2.1           | 4.6  | 22.4 | 5.0  | 0.8  | 2.1       | 4.1  | 28.0 | 7.1  | 2.9  | Upper Egypt (urban) |       |     |
|              |         |      |       |     | 0.25-2.99 | 583         | 7.1                             | 20.0 | 22.8       | 45.9 | 1.4           | 4.1  | 20.7 | 3.5  | 0.3  | 1.2       | 4.1  | 28.8 | 5.8  | 0.8  | Upper Egypt (rural) |       |     |
|              |         |      |       |     | 0.25-2.99 | 430         | 1.8                             | 5.3  | 16.9       | 31.3 | 0.1           | 0.9  | 30.9 | 8.7  | 2.5  | 0.3       | 1.2  | 34.8 | 10.9 | 3.5  | Urban Governorates  |       |     |
|              |         |      |       |     | 0.25-0.49 | 184         | 6.0                             | 10.0 | 7.2        | 14.8 | 2.3           | 7.2  | 19.6 | 5.1  | 0.8  | 2.2       | 8.3  | 15.4 | 4.5  | 0.6  |                     |       |     |
|              |         |      |       |     | 0.50-0.99 | 377         | 7.0                             | 17.8 | 13.8       | 31.7 | 1.7           | 3.6  | 24.7 | 5.9  | 1.3  | 1.7       | 4.8  | 23.1 | 5.6  | 1.3  |                     |       |     |
|              |         |      |       |     | 1. -1.99  | 773         | 3.2                             | 10.8 | 19.8       | 43.1 | 0.1           | 1.8  | 24.8 | 5.6  | 1.5  | 0.3       | 1.4  | 35.7 | 9.4  | 2.3  |                     |       |     |
|              |         |      |       |     | 2. -2.99  | 743         | 3.0                             | 9.9  | 18.1       | 37.7 | 0.3           | 0.8  | 33.2 | 8.9  | 1.4  | 0.1       | 0.6  | 43.4 | 12.6 | 3.5  |                     |       |     |
|              |         |      | URBAN |     | 0.25-2.99 | 880         | 1.8                             | 5.6  | 12.5       | 29.9 | 0.7           | 1.8  | 29.8 | 7.7  | 1.7  | 0.8       | 1.8  | 35.3 | 10.1 | 2.8  |                     |       |     |
|              |         |      | RURAL |     | 0.25-2.99 | 1197        | 5.7                             | 16.1 | 20.4       | 41.5 | 0.7           | 2.6  | 25.6 | 6.0  | 1.1  | 0.6       | 2.7  | 33.7 | 9.0  | 2.1  |                     |       |     |
|              |         |      |       | M   | 0.25-2.99 | 1081        | 4.7                             | 11.7 | 18.4       | 37.0 | 0.8           | 2.6  | 30.1 | 7.4  | 1.5  | 0.9       | 2.6  | 38.6 | 10.2 | 2.5  |                     |       |     |
|              |         |      |       | M   | 0.25-0.49 | 88          | 6.4                             | 8.9  | 7.8        | 15.8 | 1.9           | 9.0  | 24.1 | 5.5  | 0.4  | 2.9       | 9.0  | 18.0 | 4.2  | 0.0  |                     |       |     |
|              |         |      |       | M   | 0.50-0.99 | 199         | 9.7                             | 19.4 | 19.0       | 32.3 | 2.7           | 5.3  | 27.0 | 6.9  | 1.3  | 3.2       | 6.9  | 25.7 | 5.2  | 1.3  |                     |       |     |
|              |         |      |       | M   | 1. -1.99  | 403         | 3.3                             | 11.4 | 20.9       | 45.9 | 0.0           | 1.8  | 27.7 | 6.4  | 2.0  | 0.3       | 1.3  | 39.1 | 10.9 | 3.0  |                     |       |     |
|              |         |      |       | M   | 2. -2.99  | 390         | 3.4                             | 8.6  | 18.0       | 35.2 | 0.3           | 0.7  | 35.5 | 9.1  | 1.3  | 0.0       | 0.3  | 49.3 | 13.4 | 3.2  |                     |       |     |
|              |         |      |       | F   | 0.25-2.99 | 997         | 3.3                             | 11.6 | 15.5       | 36.1 | 0.6           | 1.8  | 24.4 | 6.1  | 1.2  | 0.3       | 2.0  | 29.8 | 8.7  | 2.2  |                     |       |     |
|              |         |      |       | F   | 0.25-0.49 | 95          | 5.6                             | 10.9 | 6.8        | 13.9 | 2.6           | 5.5  | 15.4 | 4.8  | 1.2  | 1.4       | 7.6  | 13.0 | 4.8  | 1.2  |                     |       |     |
|              |         |      |       | F   | 0.50-0.99 | 178         | 4.1                             | 16.0 | 8.0        | 30.9 | 0.6           | 1.7  | 22.0 | 4.7  | 1.3  | 0.0       | 2.4  | 20.2 | 6.0  | 1.3  |                     |       |     |
|              |         |      |       | F   | 1. -1.99  | 370         | 3.2                             | 10.1 | 18.6       | 40.1 | 0.3           | 1.8  | 21.8 | 4.6  | 0.9  | 0.3       | 1.5  | 32.0 | 7.9  | 1.5  |                     |       |     |
|              |         |      |       | F   | 2. -2.99  | 353         | 2.5                             | 11.2 | 18.3       | 40.4 | 0.2           | 0.9  | 30.6 | 8.6  | 1.6  | 0.2       | 0.9  | 36.8 | 11.8 | 3.8  |                     |       |     |
| National     | JAN-MAR | 1991 |       |     | 0. -5.00  | 3614        | 4.5                             | 10.5 | 17.1       | 34.9 | 2.3           | 4.5  | 42.3 | 14.9 | 3.9  | 2.5       | 4.5  | 47.9 | 19.0 | 5.1  |                     | 00442 |     |
|              |         |      |       |     | 0. -0.49  | 311         | 9.0                             | 18.0 | 11.8       | 15.9 | 9.0           | 18.7 | 29.5 | 12.2 | 4.3  | 10.4      | 17.4 | 27.8 | 12.2 | 3.5  |                     |       |     |
|              |         |      |       |     | 0.50-0.99 | 337         | 11.0                            | 19.6 | 18.2       | 29.7 | 3.4           | 6.6  | 33.2 | 15.4 | 5.6  | 3.7       | 8.7  | 32.1 | 15.3 | 5.6  |                     |       |     |
|              |         |      |       |     | 1. -1.99  | 672         | 4.6                             | 10.9 | 19.8       | 39.3 | 2.1           | 4.8  | 47.4 | 15.3 | 3.9  | 2.4       | 4.5  | 57.0 | 22.3 | 6.6  |                     |       |     |
|              |         |      |       |     | 2. -2.99  | 772         | 3.4                             | 9.3  | 22.0       | 43.0 | 1.3           | 2.0  | 49.9 | 17.5 | 4.9  | 1.1       | 1.9  | 59.1 | 26.1 | 6.5  |                     |       |     |
|              |         |      |       |     | 3. -3.99  | 759         | 3.0                             | 7.2  | 16.0       | 36.3 | 1.1           | 2.0  | 44.2 | 15.9 | 3.9  | 1.3       | 2.2  | 52.0 | 18.9 | 5.0  |                     |       |     |
|              |         |      |       |     | 4. -5.00  | 763         | 2.5                             | 7.5  | 12.5       | 31.4 | 1.6           | 3.3  | 36.9 | 11.6 | 2.1  | 1.5       | 2.9  | 39.3 | 13.5 | 2.9  |                     |       |     |

| EGYPT        |         |         |       |     |           |             |                                 |      |            |      |               |      |      |      |      |           |      |      |      |      |  |       |                           |  |
|--------------|---------|---------|-------|-----|-----------|-------------|---------------------------------|------|------------|------|---------------|------|------|------|------|-----------|------|------|------|------|--|-------|---------------------------|--|
| Admin. level | Months  | Year    | Area  | Sex | Age group | Sample size | Percentage below / above median |      |            |      |               |      |      |      |      |           |      |      |      |      |  | Notes | Ref                       |  |
|              |         |         |       |     |           |             | Weight/age                      |      | Height/age |      | Weight/height |      |      |      |      | BMI / age |      |      |      |      |  |       |                           |  |
|              |         |         |       |     |           |             | -3SD                            | -2SD | -3SD       | -2SD | -3SD          | -2SD | +1SD | +2SD | +3SD | -3SD      | -2SD | +1SD | +2SD | +3SD |  |       |                           |  |
| National     | JAN-MAR | 1991    | URBAN |     | 0. -5.00  | 1187        | 2.7                             | 6.9  | 11.4       | 27.8 | 1.4           | 3.4  | 42.8 | 14.0 | 2.9  | 1.6       | 3.5  | 46.9 | 18.0 | 4.4  |  | 00442 |                           |  |
|              |         |         |       |     | RURAL     | 0. -5.00    | 2427                            | 5.4  | 12.2       | 20.0 | 38.5          | 2.7  | 5.1  | 42.1 | 15.3 | 4.4       | 2.9  | 5.0  | 48.4 | 19.5 |  |       | 5.5                       |  |
|              |         |         |       | M   | 0. -5.00  | 1859        | 5.4                             | 11.9 | 17.6       | 35.7 | 2.9           | 5.4  | 43.0 | 15.9 | 4.0  | 3.0       | 5.1  | 50.0 | 20.7 | 5.1  |  |       |                           |  |
|              |         |         |       | M   | 0. -0.49  | 151         | 12.6                            | 23.2 | 12.2       | 19.4 | 11.2          | 25.4 | 29.1 | 17.2 | 6.0  | 13.1      | 21.2 | 27.7 | 14.6 | 2.9  |  |       |                           |  |
|              |         |         |       | M   | 0.50-0.99 | 189         | 14.3                            | 23.3 | 18.4       | 30.7 | 3.4           | 6.3  | 29.9 | 13.2 | 4.0  | 4.0       | 8.0  | 29.5 | 12.5 | 4.5  |  |       |                           |  |
|              |         |         |       | M   | 1. -1.99  | 328         | 5.5                             | 11.9 | 19.0       | 40.0 | 2.4           | 5.2  | 47.6 | 17.0 | 4.5  | 2.5       | 4.9  | 56.7 | 24.2 | 7.1  |  |       |                           |  |
|              |         |         |       | M   | 2. -2.99  | 388         | 3.9                             | 10.8 | 23.8       | 44.0 | 2.1           | 2.9  | 51.2 | 18.4 | 4.5  | 1.8       | 3.2  | 62.8 | 29.6 | 6.1  |  |       |                           |  |
|              |         |         |       | M   | 3. -3.99  | 402         | 4.0                             | 8.5  | 18.0       | 36.8 | 1.8           | 2.8  | 45.9 | 15.8 | 3.6  | 2.3       | 2.8  | 55.5 | 19.0 | 4.9  |  |       |                           |  |
|              |         |         |       | M   | 4. -5.00  | 401         | 1.5                             | 6.7  | 11.8       | 31.4 | 2.0           | 3.3  | 39.0 | 13.5 | 2.8  | 1.5       | 2.8  | 43.5 | 16.8 | 4.0  |  |       |                           |  |
|              |         |         |       | F   | 0. -5.00  | 1755        | 3.6                             | 9.0  | 16.5       | 34.1 | 1.6           | 3.7  | 41.6 | 13.8 | 3.9  | 1.9       | 3.9  | 45.7 | 17.3 | 5.1  |  |       |                           |  |
|              |         |         |       | F   | 0. -0.49  | 160         | 5.6                             | 13.1 | 11.3       | 12.7 | 6.9           | 12.5 | 29.9 | 7.6  | 2.8  | 7.9       | 13.9 | 27.8 | 9.9  | 4.0  |  |       |                           |  |
|              |         |         |       | F   | 0.50-0.99 | 148         | 6.8                             | 14.9 | 17.9       | 28.5 | 3.4           | 6.9  | 37.2 | 17.9 | 7.6  | 3.4       | 9.7  | 35.2 | 18.6 | 6.9  |  |       |                           |  |
|              |         |         |       | F   | 1. -1.99  | 344         | 3.8                             | 9.9  | 20.5       | 38.7 | 1.8           | 4.5  | 47.2 | 13.6 | 3.3  | 2.4       | 4.2  | 57.3 | 20.5 | 6.2  |  |       |                           |  |
|              |         |         |       | F   | 2. -2.99  | 384         | 2.9                             | 7.8  | 20.2       | 41.9 | 0.5           | 1.1  | 48.5 | 16.7 | 5.3  | 0.3       | 0.5  | 55.3 | 22.6 | 7.0  |  |       |                           |  |
|              |         |         |       | F   | 3. -3.99  | 357         | 2.0                             | 5.9  | 13.8       | 35.7 | 0.3           | 1.1  | 42.3 | 16.0 | 4.3  | 0.3       | 1.4  | 48.0 | 18.8 | 5.1  |  |       |                           |  |
|              |         |         |       | F   | 4. -5.00  | 362         | 3.6                             | 8.3  | 13.3       | 31.4 | 1.1           | 3.4  | 34.6 | 9.3  | 1.4  | 1.4       | 3.1  | 34.6 | 9.8  | 1.7  |  |       |                           |  |
| National     | NOV-FEB | 1992-93 |       |     | 0. -5.00  | 7650        | 2.7                             | 8.2  | 13.1       | 31.3 | 1.8           | 4.1  | 37.7 | 14.4 | 4.4  | 1.8       | 4.0  | 43.5 | 17.5 | 5.2  |  | 01408 |                           |  |
|              |         |         |       |     | 0. -5.00  | 772         | 0.6                             | 3.6  | 9.9        | 25.9 | 0.8           | 2.8  | 41.0 | 16.0 | 4.7  | 1.0       | 3.0  | 45.9 | 18.0 | 4.9  |  |       | Lower Egypt (urban areas) |  |
|              |         |         |       |     | 0. -5.00  | 2343        | 2.5                             | 7.0  | 14.1       | 33.9 | 1.3           | 2.8  | 43.0 | 14.5 | 3.0  | 1.2       | 2.7  | 49.5 | 19.7 | 3.9  |  |       | Lower Egypt (rural areas) |  |
|              |         |         |       |     | 0. -5.00  | 784         | 2.5                             | 8.1  | 12.1       | 29.8 | 0.8           | 2.7  | 37.8 | 15.3 | 4.3  | 1.0       | 3.1  | 42.5 | 18.2 | 6.6  |  |       | Upper Egypt (urban areas) |  |
|              |         |         |       |     | 0. -5.00  | 2439        | 3.5                             | 11.1 | 16.0       | 35.7 | 2.2           | 5.1  | 33.7 | 14.9 | 6.1  | 2.0       | 4.8  | 39.2 | 17.2 | 6.8  |  |       | Upper Egypt (rural areas) |  |
|              |         |         |       |     | 0. -5.00  | 1312        | 2.9                             | 7.8  | 8.4        | 22.2 | 3.1           | 6.1  | 33.5 | 11.8 | 3.6  | 3.5       | 5.9  | 39.9 | 13.4 | 4.0  |  |       | Urban governorates        |  |
|              |         |         |       |     | 0. -0.49  | 763         | 3.4                             | 7.8  | 6.5        | 11.7 | 3.5           | 7.0  | 36.0 | 14.4 | 4.9  | 3.5       | 6.5  | 34.0 | 15.0 | 5.4  |  |       |                           |  |
|              |         |         |       |     | 0.50-0.99 | 696         | 4.9                             | 13.2 | 12.1       | 25.9 | 2.5           | 6.9  | 31.9 | 13.1 | 3.7  | 3.0       | 7.7  | 31.8 | 12.5 | 3.4  |  |       |                           |  |
|              |         |         |       |     | 1. -1.99  | 1518        | 2.8                             | 10.4 | 18.8       | 43.1 | 2.2           | 4.1  | 35.1 | 13.3 | 4.1  | 2.2       | 3.8  | 46.1 | 18.9 | 5.4  |  |       |                           |  |
|              |         |         |       |     | 2. -2.99  | 1521        | 3.7                             | 9.6  | 17.5       | 38.9 | 1.4           | 3.4  | 41.7 | 15.6 | 4.7  | 1.4       | 3.8  | 51.4 | 21.8 | 6.2  |  |       |                           |  |
|              |         |         |       |     | 3. -3.99  | 1517        | 2.2                             | 6.1  | 13.4       | 32.0 | 1.7           | 3.9  | 41.9 | 15.9 | 4.4  | 1.7       | 3.6  | 49.2 | 19.1 | 5.9  |  |       |                           |  |
|              |         |         |       |     | 4. -5.00  | 1635        | 0.8                             | 5.0  | 7.2        | 23.9 | 0.8           | 2.4  | 35.9 | 13.4 | 4.4  | 0.7       | 2.1  | 37.9 | 14.0 | 4.3  |  |       |                           |  |
|              |         |         |       |     | URBAN     | 0. -5.00    | 2868                            | 2.2  | 6.7        | 9.9  | 25.3          | 1.9  | 4.3  | 36.7 | 13.9 | 4.1       | 2.1  | 4.3  | 42.3 | 16.0 |  |       | 5.0                       |  |
|              |         |         |       |     | RURAL     | 0. -5.00    | 4782                            | 3.0  | 9.1        | 15.1 | 34.8          | 1.8  | 3.9  | 38.3 | 14.7 | 4.6       | 1.6  | 3.8  | 44.3 | 18.4 |  |       | 5.4                       |  |

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|--------------|----------|---------|------|------|-----------|-------------|---------------------------------|------|------------|------|---------------|------|------|------|------|-----------|------|------|------|------|---|-------|-----|
| Admin. level | Months   | Year    | Area | Sex  | Age group | Sample size | Percentage below / above median |      |            |      |               |      |      |      |      |           |      |      |      |      |   | Notes | Ref |
|              |          |         |      |      |           |             | Weight/age                      |      | Height/age |      | Weight/height |      |      |      |      | BMI / age |      |      |      |      |   |       |     |
|              |          |         |      |      |           |             | -3SD                            | -2SD | -3SD       | -2SD | -3SD          | -2SD | +1SD | +2SD | +3SD | -3SD      | -2SD | +1SD | +2SD | +3SD |   |       |     |
| National     | NOV-FEB  | 1992-93 |      | M    | 0. -5.00  | 3957        | 2.9                             | 8.6  | 13.6       | 31.8 | 2.0           | 3.9  | 38.7 | 15.1 | 4.7  | 2.0       | 3.9  | 45.4 | 18.4 | 5.7  |   | 01408 |     |
|              |          |         |      |      | 0. -0.49  | 398         | 4.2                             | 8.3  | 7.1        | 12.5 | 3.1           | 6.1  | 38.2 | 17.4 | 5.2  | 3.5       | 5.7  | 36.7 | 16.5 | 5.0  |   |       |     |
|              |          |         |      |      | 0.50-0.99 | 365         | 5.2                             | 15.3 | 11.3       | 25.2 | 3.0           | 7.1  | 31.1 | 12.4 | 3.1  | 3.0       | 8.3  | 33.1 | 11.8 | 2.9  |   |       |     |
|              |          |         |      |      | 1. -1.99  | 813         | 2.5                             | 11.2 | 20.2       | 44.5 | 2.1           | 3.9  | 34.8 | 13.6 | 3.5  | 1.9       | 3.8  | 46.9 | 19.5 | 5.1  |   |       |     |
|              |          |         |      |      | 2. -2.99  | 784         | 4.7                             | 10.0 | 19.8       | 40.2 | 1.8           | 3.3  | 43.2 | 16.1 | 6.5  | 1.7       | 3.5  | 53.8 | 22.8 | 7.7  |   |       |     |
|              |          |         |      |      | 3. -3.99  | 766         | 2.2                             | 5.9  | 12.2       | 31.7 | 1.8           | 3.2  | 43.1 | 16.9 | 5.1  | 2.2       | 3.3  | 50.2 | 20.8 | 7.1  |   |       |     |
|              |          |         |      |      | 4. -5.00  | 831         | 0.8                             | 4.2  | 7.0        | 23.8 | 1.3           | 2.5  | 37.8 | 14.1 | 4.2  | 1.0       | 2.1  | 41.4 | 15.1 | 4.6  |   |       |     |
|              |          |         |      |      | F         | 0. -5.00    | 3693                            | 2.4  | 7.9        | 12.6 | 30.7          | 1.6  | 4.3  | 36.7 | 13.6 | 4.1       | 1.6  | 4.1  | 41.5 | 16.5 |   |       | 4.8 |
|              |          |         |      |      | F         | 0. -0.49    | 365                             | 2.7  | 7.3        | 5.9  | 10.8          | 3.9  | 7.9  | 33.6 | 11.2 | 4.6       | 3.5  | 7.3  | 31.2 | 13.4 |   |       | 5.9 |
|              |          |         |      |      | F         | 0.50-0.99   | 331                             | 4.5  | 10.8       | 13.1 | 26.8          | 1.9  | 6.6  | 32.8 | 13.9 | 4.4       | 3.0  | 7.1  | 30.4 | 13.4 |   |       | 4.0 |
|              |          |         |      |      | F         | 1. -1.99    | 705                             | 3.2  | 9.4        | 17.2 | 41.5          | 2.4  | 4.3  | 35.3 | 13.0 | 4.9       | 2.5  | 3.7  | 45.3 | 18.3 |   |       | 5.8 |
|              |          |         |      |      | F         | 2. -2.99    | 737                             | 2.5  | 9.2        | 15.1 | 37.5          | 1.0  | 3.4  | 40.0 | 15.0 | 2.8       | 1.2  | 4.0  | 49.1 | 20.8 |   |       | 4.8 |
|              |          |         |      |      | F         | 3. -3.99    | 751                             | 2.2  | 6.3        | 14.6 | 32.2          | 1.7  | 4.6  | 40.7 | 14.9 | 3.7       | 1.2  | 3.9  | 48.2 | 17.3 |   |       | 4.8 |
|              |          |         |      |      | F         | 4. -5.00    | 804                             | 0.8  | 5.9        | 7.3  | 24.0          | 0.3  | 2.3  | 33.8 | 12.8 | 4.6       | 0.3  | 2.0  | 34.3 | 12.9 |   |       | 3.9 |
| National     | NOV-JAN  | 1995-96 |      | M    | 0. -5.00  | 10228       | 3.6                             | 10.8 | 17.9       | 34.9 | 2.3           | 5.7  | 37.6 | 14.7 | 5.4  | 2.3       | 5.4  | 42.2 | 17.2 | 6.4  | Frontier governorates<br>Lower Egypt - urban<br>Lower Egypt - rural<br>Upper Egypt - urban<br>Upper Egypt - rural<br>Urban governorates | 01665 |     |
|              |          |         |      |      | 0. -5.00  | 104         | 12.0                            | 31.8 | 17.2       | 34.1 | 14.6          | 29.4 | 16.4 | 7.7  | 3.4  | 14.8      | 28.9 | 20.3 | 9.6  | 3.8  |   |       |     |
|              |          |         |      |      | 0. -5.00  | 965         | 1.6                             | 6.2  | 15.3       | 28.4 | 0.9           | 3.1  | 40.3 | 14.9 | 5.4  | 1.2       | 2.7  | 43.1 | 19.3 | 6.6  |   |       |     |
|              |          |         |      |      | 0. -5.00  | 2975        | 2.4                             | 8.6  | 16.7       | 33.4 | 1.1           | 4.3  | 39.0 | 13.5 | 4.1  | 1.2       | 3.8  | 45.3 | 17.6 | 5.1  |   |       |     |
|              |          |         |      |      | 0. -5.00  | 1115        | 3.3                             | 10.0 | 16.2       | 33.8 | 2.7           | 5.5  | 35.3 | 14.2 | 5.2  | 2.8       | 5.3  | 40.5 | 14.7 | 6.4  |   |       |     |
|              |          |         |      |      | 0. -5.00  | 3190        | 6.0                             | 15.9 | 24.5       | 45.0 | 3.0           | 6.6  | 37.0 | 15.7 | 6.8  | 2.8       | 6.3  | 41.1 | 16.7 | 7.5  |   |       |     |
|              |          |         |      |      | 0. -5.00  | 1879        | 2.3                             | 7.1  | 11.0       | 24.2 | 2.5           | 6.3  | 37.4 | 15.6 | 5.3  | 2.7       | 6.6  | 40.7 | 18.4 | 6.9  |   |       |     |
|              |          |         |      |      | 0. -0.49  | 1138        | 4.6                             | 10.6 | 7.8        | 15.6 | 5.8           | 12.9 | 34.1 | 13.6 | 6.3  | 5.5       | 11.5 | 32.2 | 12.8 | 4.8  |   |       |     |
|              |          |         |      |      | 0.50-0.99 | 1054        | 6.9                             | 19.1 | 16.5       | 30.1 | 4.5           | 12.0 | 29.3 | 11.3 | 3.7  | 4.8       | 12.4 | 29.3 | 11.4 | 3.9  |   |       |     |
|              |          |         |      |      | 1. -1.99  | 2007        | 5.3                             | 13.9 | 22.9       | 41.7 | 2.2           | 5.4  | 34.7 | 13.2 | 4.0  | 2.1       | 4.8  | 45.1 | 18.2 | 6.2  |   |       |     |
|              |          |         |      |      | 2. -2.99  | 2015        | 3.0                             | 9.9  | 25.9       | 44.2 | 1.3           | 3.3  | 43.2 | 19.2 | 8.1  | 1.2       | 3.1  | 51.6 | 24.1 | 8.7  |   |       |     |
|              |          |         |      |      | 3. -3.99  | 2010        | 2.1                             | 8.7  | 22.1       | 43.0 | 1.4           | 3.1  | 43.1 | 19.2 | 7.0  | 1.5       | 3.1  | 48.2 | 22.7 | 10.0 |   |       |     |
|              |          |         |      |      | 4. -5.00  | 2005        | 1.7                             | 6.3  | 7.2        | 24.4 | 1.1           | 3.7  | 35.5 | 9.7  | 2.8  | 1.0       | 3.4  | 36.8 | 9.9  | 3.0  |   |       |     |
|              |          |         |      |      | URBAN     | 0. -5.00    | 4019                            | 2.5  | 8.0        | 13.6 | 28.1          | 2.3  | 5.6  | 37.2 | 14.9 | 5.3       | 2.5  | 5.5  | 41.0 | 17.5 |   |       | 6.6 |
| RURAL        | 0. -5.00 | 6209    | 4.3  | 12.6 | 20.7      | 39.4        | 2.2                             | 5.7  | 37.8       | 14.6 | 5.5           | 2.1  | 5.3  | 43.0 | 17.1 | 6.3       |      |      |      |      |   |       |     |
| M            | 0. -5.00 | 5318    | 4.0  | 11.6 | 19.0      | 36.4        | 2.6                             | 5.8  | 37.7       | 14.7 | 5.6           | 2.5  | 5.6  | 43.4 | 17.6 | 6.6       |      |      |      |      |   |       |     |

**EGYPT**

| Admin. level | Months   | Year    | Area | Sex      | Age group | Sample size | Percentage below / above median |      |            |      |               |      |      |      |      |           |      |      |      |                     |                             | Notes | Ref |
|--------------|----------|---------|------|----------|-----------|-------------|---------------------------------|------|------------|------|---------------|------|------|------|------|-----------|------|------|------|---------------------|-----------------------------|-------|-----|
|              |          |         |      |          |           |             | Weight/age                      |      | Height/age |      | Weight/height |      |      |      |      | BMI / age |      |      |      |                     |                             |       |     |
|              |          |         |      |          |           |             | -3SD                            | -2SD | -3SD       | -2SD | -3SD          | -2SD | +1SD | +2SD | +3SD | -3SD      | -2SD | +1SD | +2SD | +3SD                |                             |       |     |
| National     | NOV-JAN  | 1995-96 |      | M        | 0. -0.49  | 592         | 5.7                             | 12.1 | 6.6        | 15.0 | 6.6           | 12.9 | 33.2 | 13.1 | 5.9  | 6.4       | 12.8 | 31.3 | 10.4 | 4.4                 |                             | 01665 |     |
|              |          |         |      | M        | 0.50-0.99 | 531         | 8.9                             | 22.4 | 19.4       | 32.2 | 4.8           | 13.3 | 30.0 | 11.2 | 4.6  | 5.0       | 13.6 | 30.5 | 12.1 | 5.3                 |                             |       |     |
|              |          |         |      | M        | 1. -1.99  | 1043        | 6.1                             | 16.0 | 24.8       | 43.3 | 2.7           | 6.1  | 32.2 | 12.2 | 4.0  | 2.3       | 5.5  | 42.7 | 17.5 | 6.0                 |                             |       |     |
|              |          |         |      | M        | 2. -2.99  | 1040        | 3.1                             | 10.1 | 27.7       | 47.4 | 1.6           | 3.3  | 44.0 | 19.3 | 8.7  | 1.5       | 2.7  | 54.0 | 25.1 | 8.2                 |                             |       |     |
|              |          |         |      | M        | 3. -3.99  | 1068        | 1.7                             | 8.4  | 23.2       | 43.6 | 1.5           | 3.1  | 45.2 | 19.4 | 7.1  | 1.5       | 3.2  | 51.6 | 23.6 | 11.0                |                             |       |     |
|              |          |         |      | M        | 4. -5.00  | 1044        | 1.7                             | 6.4  | 7.5        | 25.6 | 1.2           | 3.5  | 35.7 | 10.7 | 2.9  | 1.1       | 3.1  | 39.2 | 11.1 | 2.9                 |                             |       |     |
|              |          |         |      | F        | 0. -5.00  | 4910        | 3.2                             | 9.8  | 16.6       | 33.4 | 1.9           | 5.5  | 37.4 | 14.7 | 5.2  | 2.1       | 5.1  | 40.9 | 16.9 | 6.3                 |                             |       |     |
|              |          |         |      | F        | 0. -0.49  | 546         | 3.5                             | 9.0  | 9.1        | 16.3 | 4.9           | 12.9 | 35.1 | 14.2 | 6.7  | 4.5       | 10.2 | 33.2 | 15.4 | 5.3                 |                             |       |     |
|              |          |         |      | F        | 0.50-0.99 | 523         | 5.0                             | 15.8 | 13.5       | 27.9 | 4.2           | 10.6 | 28.5 | 11.4 | 2.8  | 4.5       | 11.1 | 28.1 | 10.6 | 2.5                 |                             |       |     |
|              |          |         |      | F        | 1. -1.99  | 964         | 4.5                             | 11.7 | 20.9       | 40.0 | 1.7           | 4.7  | 37.5 | 14.3 | 4.0  | 2.0       | 4.0  | 47.7 | 19.0 | 6.4                 |                             |       |     |
|              |          |         |      | F        | 2. -2.99  | 974         | 2.9                             | 9.7  | 23.9       | 40.9 | 0.9           | 3.3  | 42.3 | 19.1 | 7.5  | 1.0       | 3.5  | 49.1 | 23.0 | 9.3                 |                             |       |     |
|              |          |         |      | F        | 3. -3.99  | 942         | 2.6                             | 8.9  | 20.8       | 42.4 | 1.3           | 3.1  | 40.7 | 19.0 | 6.9  | 1.5       | 3.0  | 44.3 | 21.7 | 8.9                 |                             |       |     |
|              |          |         |      | F        | 4. -5.00  | 961         | 1.6                             | 6.2  | 6.9        | 23.1 | 0.9           | 3.9  | 35.2 | 8.6  | 2.7  | 1.0       | 3.6  | 34.2 | 8.5  | 3.2                 |                             |       |     |
|              |          |         |      | National | DEC-JAN   | 1997-98     |                                 |      | 0. -4.99   | 3328 |               | 10.2 |      | 30.9 |      | 7.5       |      |      |      |                     |                             |       |     |
| National     | NOV-DEC  | 1998    |      |          | 0. -4.99  | 3997        |                                 | 9.4  |            | 26.3 |               | 6.4  |      |      |      |           |      |      |      | Converted estimates | 02109                       |       |     |
| National     | FEB-APR  | 2000    |      |          | 0. -5.00  | 10675       | 1.1                             | 4.3  | 10.0       | 24.6 | 1.5           | 3.2  | 44.4 | 18.2 | 5.2  | 1.4       | 3.3  | 47.2 | 21.6 | 6.3                 | Weight data possibly flawed | 02221 |     |
|              |          |         |      |          | 0. -5.00  | 171         | 0.8                             | 2.8  | 6.9        | 22.1 | 0.8           | 1.8  | 49.7 | 24.0 | 7.8  | 0.9       | 1.9  | 53.0 | 26.9 | 9.8                 | Frontier Governorates       |       |     |
|              |          |         |      |          | 0. -5.00  | 1156        | 0.5                             | 2.6  | 6.5        | 18   | 2.2           | 4.1  | 52.1 | 24.4 | 6.2  | 1.7       | 4.0  | 53.6 | 27.5 | 6.3                 | Lower Egypt - urban         |       |     |
|              |          |         |      |          | 0. -5.00  | 3284        | 0.8                             | 2.9  | 7.6        | 22.0 | 2.1           | 4.0  | 50.9 | 21.1 | 5.0  | 2.1       | 4.1  | 53.5 | 24.9 | 5.8                 | Lower Egypt - rural         |       |     |
|              |          |         |      |          | 0. -5.00  | 1144        | 1.0                             | 4.7  | 11.9       | 28.2 | 0.6           | 2.5  | 45.1 | 16.5 | 5.6  | 1.0       | 3.1  | 48.2 | 19.7 | 6.4                 | Upper Egypt - urban         |       |     |
|              |          |         |      |          | 0. -5.00  | 3190        | 1.8                             | 7.1  | 16.8       | 34.7 | 1.3           | 2.9  | 43.5 | 17.6 | 5.9  | 1.0       | 2.7  | 47.4 | 21.8 | 7.8                 | Upper Egypt - rural         |       |     |
|              |          |         |      |          | 0. -5.00  | 1730        | 0.6                             | 2.5  | 3.5        | 13.7 | 0.6           | 2.2  | 27.5 | 10.1 | 2.9  | 0.5       | 2.4  | 29.5 | 11.5 | 3.8                 | Urban Governorates          |       |     |
|              |          |         |      |          | 0. -0.49  | 1279        | 2.5                             | 9.7  | 12.1       | 25.8 | 5.6           | 9.8  | 42.7 | 23.7 | 11.4 | 3.8       | 9.8  | 40.3 | 23.2 | 9.9                 |                             |       |     |
|              |          |         |      |          | 0.50-0.99 | 1098        | 2.0                             | 7.5  | 11.0       | 24.0 | 2.4           | 4.8  | 38.0 | 17.5 | 6.3  | 3.2       | 5.3  | 37.3 | 16.6 | 5.8                 |                             |       |     |
|              |          |         |      |          | 1. -1.99  | 2128        | 1.4                             | 4.1  | 12.7       | 26.8 | 1.2           | 2.9  | 47.5 | 19.0 | 5.3  | 1.3       | 2.9  | 53.8 | 26.3 | 7.7                 |                             |       |     |
|              |          |         |      |          | 2. -2.99  | 2151        | 0.6                             | 2.5  | 11.8       | 28.2 | 0.9           | 1.8  | 49.7 | 21.3 | 5.6  | 0.9       | 1.9  | 54.9 | 27.4 | 8.0                 |                             |       |     |
|              | 3. -3.99 | 2130    | 0.5  | 2.4      | 7.1       | 22.7        | 0.5                             | 1.2  | 44.4       | 15.8 | 2.9           | 0.5  | 1.2  | 47.7 | 19.0 | 4.2       |      |      |      |                     |                             |       |     |
|              | 4. -5.00 | 1889    | 0.4  | 2.9      | 5.9       | 20.0        | 0.4                             | 2.2  | 39.7       | 13.5 | 2.5           | 0.4  | 2.2  | 41.0 | 14.5 | 2.9       |      |      |      |                     |                             |       |     |
|              | URBAN    |         |      |          | 0. -5.00  | 4129        | 0.7                             | 3.2  | 6.7        | 19.0 | 1.1           | 2.8  | 39.9 | 16.2 | 4.6  | 1.0       | 3.1  | 42.0 | 18.6 | 5.3                 |                             |       |     |
|              | RURAL    |         |      |          | 0. -5.00  | 6546        | 1.3                             | 4.9  | 12.0       | 28.2 | 1.7           | 3.4  | 47.3 | 19.5 | 5.5  | 1.6       | 3.4  | 50.5 | 23.5 | 6.9                 |                             |       |     |

**EGYPT**

| Admin. level | Months  | Year | Area | Sex | Age group | Sample size | Percentage below / above median |      |            |      |               |      |      |      |      |           |      |      |      |      |  | Notes | Ref                 |
|--------------|---------|------|------|-----|-----------|-------------|---------------------------------|------|------------|------|---------------|------|------|------|------|-----------|------|------|------|------|--|-------|---------------------|
|              |         |      |      |     |           |             | Weight/age                      |      | Height/age |      | Weight/height |      |      |      |      | BMI / age |      |      |      |      |  |       |                     |
|              |         |      |      |     |           |             | -3SD                            | -2SD | -3SD       | -2SD | -3SD          | -2SD | +1SD | +2SD | +3SD | -3SD      | -2SD | +1SD | +2SD | +3SD |  |       |                     |
| National     | FEB-APR | 2000 |      | M   | 0. -5.00  | 5491        | 1.3                             | 5.0  | 11.1       | 26.6 | 1.5           | 3.4  | 44.7 | 18.9 | 5.6  | 1.6       | 3.6  | 48.2 | 22.9 | 6.7  |  | 02221 |                     |
|              |         |      |      | M   | 0. -0.49  | 656         | 3.3                             | 11.4 | 14.6       | 29.9 | 5.8           | 10.1 | 45.3 | 26.0 | 13.1 | 4.9       | 10.9 | 42.0 | 24.1 | 10.1 |  |       |                     |
|              |         |      |      | M   | 0.50-0.99 | 554         | 1.9                             | 9.5  | 11.4       | 26.6 | 3.0           | 5.4  | 37.0 | 18.9 | 6.4  | 4.0       | 6.1  | 36.8 | 18.6 | 6.2  |  |       |                     |
|              |         |      |      | M   | 1. -1.99  | 1118        | 1.8                             | 5.3  | 14.3       | 28.6 | 1.3           | 3.3  | 44.4 | 17.8 | 5.9  | 1.4       | 2.9  | 51.8 | 24.3 | 7.9  |  |       |                     |
|              |         |      |      | M   | 2. -2.99  | 1090        | 0.8                             | 2.8  | 13.3       | 31.2 | 0.8           | 2.0  | 50.8 | 22.6 | 5.8  | 0.8       | 2.2  | 56.9 | 30.2 | 8.4  |  |       |                     |
|              |         |      |      | M   | 3. -3.99  | 1126        | 0.6                             | 2.7  | 7.5        | 22.6 | 0.5           | 1.3  | 46.1 | 16.5 | 3.0  | 0.6       | 1.2  | 49.5 | 20.8 | 4.8  |  |       |                     |
|              |         |      |      | M   | 4. -5.00  | 948         | 0.1                             | 2.9  | 6.9        | 21.3 | 0.4           | 2.1  | 40.6 | 14.7 | 2.9  | 0.6       | 2.2  | 43.0 | 17.2 | 3.9  |  |       |                     |
|              |         |      |      | F   | 0. -5.00  | 5184        | 0.9                             | 3.4  | 8.7        | 22.6 | 1.4           | 3.0  | 44.1 | 17.4 | 4.7  | 1.1       | 3.0  | 46.2 | 20.2 | 5.8  |  |       |                     |
|              |         |      |      | F   | 0. -0.49  | 624         | 1.7                             | 7.9  | 9.5        | 21.4 | 5.4           | 9.6  | 40.1 | 21.4 | 9.6  | 2.7       | 8.6  | 38.5 | 22.2 | 9.7  |  |       |                     |
|              |         |      |      | F   | 0.50-0.99 | 544         | 2.2                             | 5.6  | 10.6       | 21.4 | 1.8           | 4.2  | 38.9 | 16.1 | 6.2  | 2.3       | 4.4  | 37.8 | 14.7 | 5.3  |  |       |                     |
|              |         |      |      | F   | 1. -1.99  | 1010        | 0.9                             | 2.7  | 10.9       | 24.7 | 1.0           | 2.4  | 51.0 | 20.5 | 4.6  | 1.0       | 2.8  | 56.0 | 28.5 | 7.4  |  |       |                     |
|              |         |      |      | F   | 2. -2.99  | 1061        | 0.5                             | 2.3  | 10.4       | 25.0 | 1.1           | 1.7  | 48.6 | 19.9 | 5.4  | 0.9       | 1.7  | 52.7 | 24.5 | 7.7  |  |       |                     |
|              |         |      |      | F   | 3. -3.99  | 1005        | 0.4                             | 2.0  | 6.7        | 22.7 | 0.4           | 1.1  | 42.4 | 15.1 | 2.9  | 0.4       | 1.2  | 45.7 | 17.1 | 3.6  |  |       |                     |
|              |         |      |      | F   | 4. -5.00  | 941         | 0.6                             | 2.9  | 4.9        | 18.8 | 0.4           | 2.4  | 38.8 | 12.2 | 2.0  | 0.3       | 2.2  | 39.0 | 11.7 | 1.9  |  |       |                     |
| National     | MAY-JUN | 2003 |      |     | 0. -5.00  | 5943        | 2.5                             | 8.7  | 8.2        | 20.3 | 1.8           | 5.2  | 21.3 | 9.2  | 3.3  | 2.1       | 5.6  | 23.3 | 9.9  | 4.1  |  | 02627 |                     |
|              |         |      |      |     | 0. -5.00  | 711         | 1.4                             | 5.1  | 5.0        | 14.1 | 2.1           | 4.3  | 17.6 | 7.9  | 2.3  | 1.4       | 4.3  | 20.3 | 8.1  | 2.7  |  |       | Lower Egypt - urban |
|              |         |      |      |     | 0. -5.00  | 1807        | 2.3                             | 7.1  | 5.1        | 15.1 | 1.1           | 4.8  | 19.8 | 9.3  | 3.6  | 1.4       | 5.1  | 21.2 | 9.7  | 4.5  |  |       | Lower Egypt - rural |
|              |         |      |      |     | 0. -5.00  | 661         | 2.8                             | 11.0 | 9.0        | 21.4 | 3.5           | 7.5  | 22.0 | 7.9  | 3.1  | 3.8       | 8.2  | 23.6 | 8.8  | 3.4  |  |       | Upper Egypt - urban |
|              |         |      |      |     | 0. -5.00  | 1889        | 3.1                             | 12.0 | 12.3       | 27.9 | 1.8           | 5.6  | 19.7 | 7.9  | 2.9  | 2.1       | 5.9  | 22.6 | 9.4  | 3.6  |  |       | Upper Egypt - rural |
|              |         |      |      |     | 0. -5.00  | 875         | 2.3                             | 5.8  | 8.2        | 18.8 | 1.7           | 4.4  | 30.1 | 13.6 | 4.8  | 2.8       | 5.3  | 31.1 | 13.5 | 5.8  |  |       | Urban Governorates  |
|              |         |      |      |     | 0. -0.49  | 653         | 7.2                             | 20.2 | 12.1       | 28.4 | 6.0           | 12.3 | 26.4 | 14.2 | 5.5  | 6.9       | 13.9 | 19.1 | 9.2  | 4.7  |  |       |                     |
|              |         |      |      |     | 0.50-0.99 | 639         | 2.1                             | 10.1 | 10.4       | 23.3 | 0.8           | 6.1  | 20.8 | 8.2  | 3.3  | 1.7       | 7.4  | 20.2 | 8.5  | 3.4  |  |       |                     |
|              |         |      |      |     | 1. -1.99  | 1170        | 2.9                             | 9.4  | 12.0       | 25.4 | 1.6           | 3.5  | 24.7 | 9.8  | 2.8  | 1.5       | 3.6  | 31.2 | 14.0 | 5.3  |  |       |                     |
|              |         |      |      |     | 2. -2.99  | 1206        | 3.0                             | 7.5  | 8.5        | 19.8 | 2.1           | 4.6  | 20.9 | 8.0  | 3.4  | 2.3       | 4.8  | 25.7 | 9.7  | 4.6  |  |       |                     |
|              |         |      |      |     | 3. -3.99  | 1169        | 1.4                             | 6.6  | 5.8        | 18.6 | 1.6           | 5.3  | 19.6 | 7.6  | 2.3  | 1.8       | 5.4  | 22.0 | 8.2  | 2.8  |  |       |                     |
|              |         |      |      |     | 4. -5.00  | 1106        | 0.4                             | 3.7  | 3.1        | 11.0 | 0.1           | 3.2  | 17.2 | 9.2  | 3.7  | 0.2       | 3.1  | 17.8 | 8.8  | 3.6  |  |       |                     |
|              |         |      |      |     | URBAN     | 0. -5.00    | 2247                            | 2.2  | 7.1        | 7.4  | 18.1          | 2.3  | 5.3  | 23.7 | 10.1 | 3.5       | 2.7  | 5.8  | 25.5 | 10.4 |  |       | 4.1                 |
|              |         |      |      |     | RURAL     | 0. -5.00    | 3696                            | 2.7  | 9.6        | 8.7  | 21.6          | 1.5  | 5.2  | 19.8 | 8.6  | 3.2       | 1.8  | 5.5  | 21.9 | 9.6  |  |       | 4.0                 |
|              |         |      |      |     | M         | 0. -5.00    | 3101                            | 2.9  | 10.2       | 9.3  | 22.4          | 1.8  | 5.3  | 21.4 | 8.9  | 3.7       | 2.0  | 5.8  | 23.5 | 9.7  |  |       | 4.2                 |
|              |         |      |      |     | M         | 0. -0.49    | 312                             | 7.6  | 24.0       | 14.6 | 34.8          | 6.5  | 12.0 | 31.0 | 16.7 | 7.7       | 7.7  | 15.8 | 20.8 | 9.9  |  |       | 6.0                 |

| EGYPT        |           |           |      |          |           |             |                                 |      |            |       |               |      |      |      |      |           |      |      |      |      |     |       |     |
|--------------|-----------|-----------|------|----------|-----------|-------------|---------------------------------|------|------------|-------|---------------|------|------|------|------|-----------|------|------|------|------|-----|-------|-----|
| Admin. level | Months    | Year      | Area | Sex      | Age group | Sample size | Percentage below / above median |      |            |       |               |      |      |      |      |           |      |      |      |      |     | Notes | Ref |
|              |           |           |      |          |           |             | Weight/age                      |      | Height/age |       | Weight/height |      |      |      |      | BMI / age |      |      |      |      |     |       |     |
|              |           |           |      |          |           |             | -3SD                            | -2SD | -3SD       | -2SD  | -3SD          | -2SD | +1SD | +2SD | +3SD | -3SD      | -2SD | +1SD | +2SD | +3SD |     |       |     |
| National     | MAY-JUN   | 2003      |      | M        | 0.50-0.99 | 347         | 2.8                             | 12.1 | 11.8       | 26.2  | 0.7           | 6.2  | 21.4 | 7.8  | 4.0  | 1.4       | 7.1  | 21.3 | 8.7  | 3.9  |     | 02627 |     |
|              |           |           |      | M        | 1. -1.99  | 621         | 4.1                             | 12.4 | 14.6       | 30.1  | 1.4           | 3.9  | 21.9 | 7.3  | 2.0  | 1.4       | 3.9  | 29.5 | 11.5 | 3.4  |     |       |     |
|              |           |           |      | M        | 2. -2.99  | 617         | 3.5                             | 9.0  | 10.5       | 22.6  | 2.0           | 3.5  | 20.2 | 8.0  | 4.2  | 2.2       | 3.8  | 24.6 | 9.4  | 5.2  |     |       |     |
|              |           |           |      | M        | 3. -3.99  | 600         | 1.3                             | 7.2  | 4.7        | 18.3  | 1.8           | 5.6  | 21.1 | 8.3  | 2.3  | 1.7       | 5.5  | 23.5 | 8.7  | 3.1  |     |       |     |
|              |           |           |      | M        | 4. -5.00  | 604         | 0.4                             | 3.8  | 3.3        | 10.2  | 0.0           | 4.2  | 17.4 | 9.0  | 4.3  | 0.2       | 4.2  | 18.9 | 9.4  | 4.2  |     |       |     |
|              |           |           |      | F        | 0. -5.00  | 2842        | 2.1                             | 7.0  | 7.1        | 18.0  | 1.9           | 5.2  | 21.2 | 9.4  | 2.9  | 2.2       | 5.4  | 23.0 | 10.1 | 3.9  |     |       |     |
|              |           |           |      | F        | 0. -0.49  | 341         | 6.9                             | 16.7 | 9.7        | 22.5  | 5.5           | 12.5 | 22.3 | 12.0 | 3.6  | 6.3       | 12.1 | 17.5 | 8.5  | 3.5  |     |       |     |
|              |           |           |      | F        | 0.50-0.99 | 292         | 1.1                             | 7.6  | 8.8        | 19.7  | 0.8           | 5.9  | 20.0 | 8.6  | 2.5  | 2.0       | 7.7  | 18.9 | 8.3  | 2.7  |     |       |     |
|              |           |           |      | F        | 1. -1.99  | 549         | 1.4                             | 6.1  | 9.1        | 20.1  | 1.7           | 3.0  | 27.8 | 12.6 | 3.6  | 1.7       | 3.2  | 33.2 | 16.8 | 7.4  |     |       |     |
|              |           |           |      | F        | 2. -2.99  | 588         | 2.5                             | 6.0  | 6.5        | 16.8  | 2.3           | 5.8  | 21.6 | 7.9  | 2.6  | 2.4       | 5.7  | 26.8 | 10.0 | 3.9  |     |       |     |
|              |           |           |      | F        | 3. -3.99  | 570         | 1.5                             | 6.1  | 7.0        | 18.9  | 1.5           | 5.1  | 18.1 | 6.8  | 2.3  | 1.9       | 5.3  | 20.6 | 7.6  | 2.6  |     |       |     |
|              |           |           |      | F        | 4. -5.00  | 502         | 0.3                             | 3.5  | 3.0        | 11.9  | 0.2           | 1.9  | 16.9 | 9.4  | 3.0  | 0.2       | 1.8  | 16.6 | 8.0  | 2.7  |     |       |     |
|              |           |           |      | National | MAR-JUL   | 2005        |                                 |      | 0. -5.00   | 12830 | 1.7           | 5.4  | 10.3 | 23.8 | 2.5  | 5.3       | 33.5 | 14.1 | 5.1  | 2.6  |     |       | 5.4 |
|              | 0. -5.00  | 158       | 1.1  |          |           |             |                                 | 3.5  | 10.1       | 18.3  | 3.7           | 7.3  | 30.9 | 14.1 | 4.6  | 3.8       | 8.1  | 31.7 | 14.2 | 6.2  |     |       |     |
|              | 0. -5.00  | 1214      | 1.3  |          |           |             |                                 | 4.6  | 10.3       | 21.0  | 2.0           | 3.3  | 34.0 | 14.0 | 5.8  | 1.6       | 3.3  | 36.3 | 14.1 | 5.1  |     |       |     |
|              | 0. -5.00  | 3902      | 1.4  |          |           |             |                                 | 3.8  | 8.6        | 17.8  | 1.6           | 3.9  | 38.2 | 15.3 | 4.7  | 1.7       | 4.1  | 40.4 | 16.4 | 5.7  |     |       |     |
|              | 0. -5.00  | 1569      | 1.0  |          |           |             |                                 | 5.0  | 8.1        | 23.9  | 1.9           | 5.1  | 30.4 | 12.2 | 4.1  | 2.5       | 5.4  | 32.2 | 13.9 | 4.7  |     |       |     |
|              | 0. -5.00  | 4206      | 2.0  |          |           |             |                                 | 6.9  | 12.9       | 31.5  | 1.9           | 4.9  | 30.4 | 13.0 | 5.0  | 2.3       | 5.5  | 33.4 | 14.5 | 5.8  |     |       |     |
|              | 0. -5.00  | 1781      | 2.6  |          |           |             |                                 | 6.6  | 9.8        | 21.1  | 6.4           | 10.6 | 33.0 | 15.8 | 6.4  | 5.7       | 9.6  | 35.5 | 15.6 | 6.4  |     |       |     |
|              | 0. -0.49  | 1318      | 4.9  |          |           |             |                                 | 14.1 | 12.6       | 26.8  | 7.7           | 14.2 | 36.2 | 18.9 | 8.3  | 7.1       | 14.5 | 32.6 | 16.4 | 6.4  |     |       |     |
|              | 0.50-0.99 | 1301      | 3.9  |          |           |             |                                 | 9.3  | 13.5       | 27.8  | 3.2           | 7.4  | 35.8 | 16.5 | 6.5  | 4.2       | 8.9  | 35.2 | 15.3 | 7.1  |     |       |     |
|              | 1. -1.99  | 2583      | 1.5  |          |           |             |                                 | 4.3  | 13.1       | 26.9  | 2.6           | 5.3  | 35.2 | 16.2 | 6.0  | 2.6       | 5.0  | 42.0 | 18.7 | 7.0  |     |       |     |
|              | 2. -2.99  | 2616      | 1.0  |          |           |             |                                 | 4.3  | 11.7       | 27.3  | 2.1           | 4.3  | 34.4 | 14.1 | 4.8  | 2.2       | 4.2  | 38.8 | 16.8 | 6.8  |     |       |     |
|              | 3. -3.99  | 2610      | 0.9  |          |           |             |                                 | 3.6  | 8.9        | 21.1  | 1.5           | 3.5  | 33.3 | 13.1 | 4.0  | 1.5       | 3.6  | 36.2 | 14.6 | 4.6  |     |       |     |
|              | 4. -5.00  | 2401      | 0.5  |          |           |             |                                 | 3.0  | 4.6        | 16.2  | 0.7           | 2.7  | 28.0 | 9.2  | 3.0  | 0.8       | 2.6  | 28.5 | 9.4  | 2.9  |     |       |     |
|              | URBAN     | 0. -5.00  | 4661 |          |           |             |                                 | 1.7  | 5.4        | 9.3   | 22.0          | 3.7  | 6.8  | 32.4 | 14.0 | 5.4       | 3.5  | 6.5  | 34.5 | 14.6 | 5.5 |       |     |
|              | RURAL     | 0. -5.00  | 8169 |          |           |             |                                 | 1.7  | 5.4        | 10.9  | 24.9          | 1.8  | 4.4  | 34.1 | 14.1 | 4.9       | 2.0  | 4.8  | 36.7 | 15.4 | 5.7 |       |     |
|              | M         | 0. -5.00  | 6517 |          |           |             |                                 | 2.1  | 6.6        | 11.2  | 25.4          | 2.5  | 5.7  | 33.9 | 14.4 | 5.3       | 2.6  | 5.6  | 36.6 | 15.5 | 5.7 |       |     |
|              | M         | 0. -0.49  | 696  |          |           |             |                                 | 6.5  | 17.8       | 15.6  | 31.3          | 8.0  | 15.3 | 37.8 | 20.2 | 9.4       | 7.6  | 15.5 | 34.0 | 16.5 | 5.6 |       |     |
|              | M         | 0.50-0.99 | 657  | 4.5      | 12.6      | 17.4        | 32.2                            | 2.9  | 7.3        | 34.6  | 15.1          | 6.5  | 3.8  | 8.3  | 34.4 | 15.0      | 7.2  |      |      |      |     |       |     |

| EGYPT        |          |           |      |     |           |             |                                 |      |            |      |               |      |      |      |      |           |      |      |      |      |   |       |      |
|--------------|----------|-----------|------|-----|-----------|-------------|---------------------------------|------|------------|------|---------------|------|------|------|------|-----------|------|------|------|------|---|-------|------|
| Admin. level | Months   | Year      | Area | Sex | Age group | Sample size | Percentage below / above median |      |            |      |               |      |      |      |      |           |      |      |      |      |   | Notes | Ref  |
|              |          |           |      |     |           |             | Weight/age                      |      | Height/age |      | Weight/height |      |      |      |      | BMI / age |      |      |      |      |   |       |      |
|              |          |           |      |     |           |             | -3SD                            | -2SD | -3SD       | -2SD | -3SD          | -2SD | +1SD | +2SD | +3SD | -3SD      | -2SD | +1SD | +2SD | +3SD |   |       |      |
| National     | MAR-JUL  | 2005      |      | M   | 1. -1.99  | 1314        | 1.8                             | 5.0  | 14.0       | 28.8 | 2.9           | 5.7  | 34.6 | 15.5 | 6.3  | 2.7       | 4.9  | 40.7 | 18.5 | 6.9  |   | 02758 |      |
|              |          |           |      | M   | 2. -2.99  | 1319        | 1.2                             | 4.4  | 12.1       | 28.3 | 2.3           | 4.5  | 34.7 | 14.5 | 4.7  | 2.5       | 4.1  | 40.0 | 17.2 | 7.0  |   |       |      |
|              |          |           |      | M   | 3. -3.99  | 1308        | 1.1                             | 4.3  | 8.7        | 21.9 | 0.9           | 3.4  | 34.9 | 13.8 | 4.3  | 0.9       | 3.5  | 37.7 | 15.0 | 4.9  |   |       |      |
|              |          |           |      | M   | 4. -5.00  | 1223        | 0.7                             | 3.7  | 4.2        | 15.9 | 0.8           | 3.2  | 28.7 | 10.0 | 3.0  | 0.9       | 3.1  | 30.2 | 11.0 | 2.9  |   |       |      |
|              |          |           |      | F   | 0. -5.00  | 6313        | 1.2                             | 4.2  | 9.4        | 22.2 | 2.4           | 4.9  | 33.0 | 13.8 | 4.8  | 2.6       | 5.3  | 35.2 | 14.7 | 5.6  |   |       |      |
|              |          |           |      | F   | 0. -0.49  | 622         | 3.2                             | 10.0 | 9.3        | 21.9 | 7.4           | 12.9 | 34.4 | 17.4 | 6.9  | 6.6       | 13.4 | 31.1 | 16.2 | 7.4  |   |       |      |
|              |          |           |      | F   | 0.50-0.99 | 644         | 3.3                             | 6.0  | 9.4        | 23.2 | 3.5           | 7.4  | 37.0 | 17.8 | 6.5  | 4.5       | 9.5  | 36.0 | 15.5 | 6.9  |   |       |      |
|              |          |           |      | F   | 1. -1.99  | 1269        | 1.2                             | 3.5  | 12.3       | 25.0 | 2.4           | 4.9  | 35.9 | 16.8 | 5.8  | 2.4       | 5.1  | 43.2 | 19.0 | 7.0  |   |       |      |
|              |          |           |      | F   | 2. -2.99  | 1297        | 0.8                             | 4.3  | 11.2       | 26.4 | 1.9           | 4.0  | 34.2 | 13.6 | 4.9  | 2.0       | 4.2  | 37.5 | 16.4 | 6.6  |   |       |      |
|              |          |           |      | F   | 3. -3.99  | 1302        | 0.7                             | 2.9  | 9.0        | 20.4 | 2.0           | 3.6  | 31.6 | 12.3 | 3.7  | 2.1       | 3.7  | 34.6 | 14.1 | 4.4  |   |       |      |
| F            | 4. -5.00 | 1178      | 0.3  | 2.4 | 5.0       | 16.4        | 0.6                             | 2.2  | 27.2       | 8.4  | 3.1           | 0.6  | 2.1  | 26.7 | 7.8  | 2.9       |      |      |      |      |   |       |      |
| National     | MAR-MAY  | 2008      |      |     | 0. -5.00  | 10053       | 1.9                             | 6.8  | 16.1       | 30.7 | 3.8           | 7.9  | 41.8 | 20.5 | 8.5  | 4.2       | 8.5  | 43.9 | 22.1 | 9.7  | Frontier governorates<br>Lower Egypt - urban<br>Lower Egypt - rural<br>Upper Egypt - urban<br>Upper Egypt - rural<br>Urban governorates | 02925 |      |
|              |          |           |      |     | 0. -5.00  | 143         | 2.5                             | 6.6  | 23.0       | 35.5 | 3.9           | 6.9  | 44.7 | 26.9 | 13.8 | 3.9       | 7.7  | 46.9 | 27.0 | 14.7 |   |       |      |
|              |          |           |      |     | 0. -5.00  | 978         | 1.8                             | 5.9  | 24.3       | 41.5 | 2.9           | 6.3  | 53.1 | 32.5 | 14.2 | 3.1       | 8.1  | 54.5 | 32.7 | 15.5 |   |       |      |
|              |          |           |      |     | 0. -5.00  | 3413        | 2.0                             | 6.4  | 20.4       | 34.6 | 3.9           | 7.5  | 48.5 | 24.9 | 10.7 | 4.4       | 8.0  | 49.6 | 26.7 | 12.5 |   |       |      |
|              |          |           |      |     | 0. -5.00  | 1076        | 2.4                             | 8.3  | 9.6        | 23.3 | 3.6           | 8.8  | 32.0 | 12.6 | 5.7  | 4.5       | 8.7  | 35.1 | 13.6 | 6.4  |   |       |      |
|              |          |           |      |     | 0. -5.00  | 2868        | 1.8                             | 7.1  | 11.5       | 28.4 | 3.2           | 6.8  | 32.7 | 12.9 | 4.7  | 3.2       | 7.3  | 36.6 | 14.7 | 5.3  |   |       |      |
|              |          |           |      |     | 0. -5.00  | 1574        | 1.9                             | 6.6  | 14.3       | 24.5 | 5.2           | 11.5 | 43.6 | 22.2 | 8.6  | 6.0       | 11.8 | 44.7 | 24.9 | 10.4 |   |       |      |
|              |          |           |      |     | 0. -0.49  | 1164        | 2.5                             | 8.1  | 11.3       | 20.1 | 6.8           | 12.9 | 40.7 | 20.1 | 8.2  | 7.1       | 12.4 | 37.7 | 19.1 | 8.0  |   |       |      |
|              |          |           |      |     | 0.50-0.99 | 1225        | 2.4                             | 6.1  | 12.4       | 23.6 | 3.3           | 7.8  | 40.2 | 19.1 | 6.5  | 4.9       | 10.2 | 38.9 | 18.7 | 7.5  |   |       |      |
|              |          |           |      |     | 1. -1.99  | 2085        | 2.3                             | 6.8  | 20.1       | 36.4 | 3.6           | 7.9  | 43.6 | 21.4 | 7.7  | 4.1       | 8.0  | 51.1 | 26.4 | 11.1 |   |       |      |
|              |          |           |      |     | 2. -2.99  | 1950        | 1.3                             | 7.2  | 20.0       | 37.4 | 3.9           | 8.0  | 44.2 | 22.9 | 11.5 | 3.9       | 8.3  | 48.2 | 26.1 | 13.0 |   |       |      |
|              |          |           |      |     | 3. -3.99  | 1904        | 1.9                             | 6.3  | 17.6       | 33.8 | 3.3           | 6.6  | 43.5 | 21.7 | 10.4 | 3.3       | 7.1  | 44.6 | 22.8 | 11.2 |   |       |      |
|              |          |           |      |     | 4. -5.00  | 1725        | 1.8                             | 6.2  | 11.1       | 24.8 | 3.0           | 6.4  | 37.2 | 16.5 | 5.6  | 3.2       | 6.8  | 37.8 | 16.1 | 5.7  |   |       |      |
|              |          |           |      |     | URBAN     | 0. -5.00    | 3717                            | 2.0  | 6.9        | 15.9 | 29.1          | 4.1  | 9.2  | 42.9 | 22.3 | 9.5       | 4.7  | 9.8  | 44.6 | 23.8 |   |       | 10.7 |
|              |          |           |      |     | RURAL     | 0. -5.00    | 6336                            | 1.9  | 6.7        | 16.2 | 31.7          | 3.6  | 7.2  | 41.2 | 19.4 | 7.9       | 3.9  | 7.7  | 43.5 | 21.1 |   |       | 9.2  |
|              | M        | 0. -5.00  | 5111 | 2.4 | 8.1       | 18.4        | 33.0                            | 4.0  | 8.8        | 41.5 | 19.8          | 8.6  | 4.5  | 9.2  | 43.9 | 21.8      | 10.0 |      |      |      |   |       |      |
|              | M        | 0. -0.49  | 606  | 3.7 | 11.2      | 14.9        | 25.2                            | 5.8  | 13.4       | 40.2 | 20.4          | 8.3  | 7.0  | 12.8 | 38.3 | 19.9      | 9.2  |      |      |      |   |       |      |
|              | M        | 0.50-0.99 | 610  | 3.1 | 8.3       | 14.8        | 26.7                            | 3.2  | 8.0        | 40.5 | 18.4          | 7.3  | 4.8  | 9.6  | 39.0 | 18.7      | 8.4  |      |      |      |   |       |      |
|              | M        | 1. -1.99  | 1067 | 3.3 | 8.5       | 22.7        | 39.9                            | 4.1  | 9.7        | 40.9 | 19.0          | 7.0  | 4.8  | 10.0 | 48.7 | 25.0      | 10.5 |      |      |      |   |       |      |

| EGYPT        |         |      |      |     |           |             |                                 |      |            |      |               |      |      |      |      |           |      |      |      |      |  |       |     |
|--------------|---------|------|------|-----|-----------|-------------|---------------------------------|------|------------|------|---------------|------|------|------|------|-----------|------|------|------|------|--|-------|-----|
| Admin. level | Months  | Year | Area | Sex | Age group | Sample size | Percentage below / above median |      |            |      |               |      |      |      |      |           |      |      |      |      |  | Notes | Ref |
|              |         |      |      |     |           |             | Weight/age                      |      | Height/age |      | Weight/height |      |      |      |      | BMI / age |      |      |      |      |  |       |     |
|              |         |      |      |     |           |             | -3SD                            | -2SD | -3SD       | -2SD | -3SD          | -2SD | +1SD | +2SD | +3SD | -3SD      | -2SD | +1SD | +2SD | +3SD |  |       |     |
| National     | MAR-MAY | 2008 |      | M   | 2. -2.99  | 970         | 1.6                             | 7.8  | 23.3       | 39.1 | 3.7           | 9.0  | 43.0 | 23.2 | 11.9 | 3.8       | 9.1  | 46.6 | 26.0 | 13.4 |  | 02925 |     |
|              |         |      |      | M   | 3. -3.99  | 975         | 1.6                             | 7.1  | 18.3       | 34.1 | 4.1           | 7.4  | 43.6 | 20.5 | 10.7 | 4.1       | 7.6  | 45.3 | 21.4 | 11.2 |  |       |     |
|              |         |      |      | M   | 4. -5.00  | 884         | 1.8                             | 6.6  | 12.9       | 26.3 | 3.3           | 6.6  | 39.7 | 16.8 | 5.8  | 3.4       | 7.4  | 41.2 | 17.5 | 6.4  |  |       |     |
|              |         |      |      | F   | 0. -5.00  | 4942        | 1.5                             | 5.4  | 13.8       | 28.4 | 3.6           | 7.1  | 42.2 | 21.2 | 8.4  | 3.9       | 7.8  | 43.9 | 22.3 | 9.4  |  |       |     |
|              |         |      |      | F   | 0. -0.49  | 558         | 1.1                             | 4.7  | 7.3        | 14.5 | 7.8           | 12.4 | 41.1 | 19.7 | 8.2  | 7.3       | 12.0 | 37.0 | 18.2 | 6.9  |  |       |     |
|              |         |      |      | F   | 0.50-0.99 | 616         | 1.7                             | 4.0  | 10.1       | 20.7 | 3.4           | 7.6  | 39.8 | 19.9 | 5.8  | 5.0       | 10.8 | 38.8 | 18.8 | 6.6  |  |       |     |
|              |         |      |      | F   | 1. -1.99  | 1018        | 1.2                             | 5.0  | 17.5       | 32.9 | 3.0           | 6.2  | 46.4 | 23.9 | 8.4  | 3.4       | 6.0  | 53.5 | 27.8 | 11.6 |  |       |     |
|              |         |      |      | F   | 2. -2.99  | 980         | 1.0                             | 6.6  | 16.8       | 35.8 | 4.2           | 7.1  | 45.4 | 22.6 | 11.1 | 4.0       | 7.6  | 49.7 | 26.2 | 12.6 |  |       |     |
|              |         |      |      | F   | 3. -3.99  | 928         | 2.1                             | 5.5  | 16.8       | 33.5 | 2.4           | 5.8  | 43.3 | 23.0 | 10.0 | 2.5       | 6.7  | 43.9 | 24.3 | 11.2 |  |       |     |
|              |         |      |      | F   | 4. -5.00  | 842         | 1.7                             | 5.9  | 9.2        | 23.1 | 2.7           | 6.2  | 34.6 | 16.1 | 5.5  | 2.9       | 6.1  | 34.3 | 14.6 | 5.0  |  |       |     |