

# International Newborn Size Standards



## Birthweight (kg) Girls

INTERGROWTH-21<sup>st</sup>



| Gestational age<br>(weeks+days) | z-scores (Standard Deviations) |      |      |      |      |      |      |
|---------------------------------|--------------------------------|------|------|------|------|------|------|
|                                 | -3                             | -2   | -1   | 0    | 1    | 2    | 3    |
| 33+0                            | 0.75                           | 1.15 | 1.50 | 1.85 | 2.23 | 2.66 | 3.16 |
| 33+1                            | 0.79                           | 1.19 | 1.55 | 1.89 | 2.27 | 2.70 | 3.21 |
| 33+2                            | 0.83                           | 1.23 | 1.59 | 1.93 | 2.31 | 2.74 | 3.25 |
| 33+3                            | 0.86                           | 1.27 | 1.62 | 1.97 | 2.35 | 2.78 | 3.29 |
| 33+4                            | 0.90                           | 1.31 | 1.66 | 2.01 | 2.39 | 2.83 | 3.34 |
| 33+5                            | 0.94                           | 1.35 | 1.70 | 2.05 | 2.43 | 2.87 | 3.38 |
| 33+6                            | 0.97                           | 1.38 | 1.74 | 2.09 | 2.47 | 2.91 | 3.42 |
| 34+0                            | 1.01                           | 1.42 | 1.78 | 2.13 | 2.51 | 2.95 | 3.46 |
| 34+1                            | 1.04                           | 1.46 | 1.81 | 2.16 | 2.55 | 2.99 | 3.50 |
| 34+2                            | 1.08                           | 1.49 | 1.85 | 2.20 | 2.59 | 3.03 | 3.54 |
| 34+3                            | 1.11                           | 1.53 | 1.89 | 2.24 | 2.63 | 3.06 | 3.58 |
| 34+4                            | 1.15                           | 1.56 | 1.92 | 2.27 | 2.66 | 3.10 | 3.62 |
| 34+5                            | 1.18                           | 1.59 | 1.95 | 2.31 | 2.70 | 3.14 | 3.66 |
| 34+6                            | 1.21                           | 1.63 | 1.99 | 2.34 | 2.73 | 3.17 | 3.70 |
| 35+0                            | 1.24                           | 1.66 | 2.02 | 2.38 | 2.77 | 3.21 | 3.73 |
| 35+1                            | 1.27                           | 1.69 | 2.05 | 2.41 | 2.80 | 3.24 | 3.77 |
| 35+2                            | 1.31                           | 1.72 | 2.09 | 2.44 | 2.84 | 3.28 | 3.80 |
| 35+3                            | 1.34                           | 1.75 | 2.12 | 2.48 | 2.87 | 3.31 | 3.84 |
| 35+4                            | 1.37                           | 1.78 | 2.15 | 2.51 | 2.90 | 3.35 | 3.87 |
| 35+5                            | 1.39                           | 1.81 | 2.18 | 2.54 | 2.93 | 3.38 | 3.91 |
| 35+6                            | 1.42                           | 1.84 | 2.21 | 2.57 | 2.97 | 3.41 | 3.94 |
| 36+0                            | 1.45                           | 1.87 | 2.24 | 2.60 | 3.00 | 3.45 | 3.97 |
| 36+1                            | 1.48                           | 1.90 | 2.27 | 2.63 | 3.03 | 3.48 | 4.01 |
| 36+2                            | 1.51                           | 1.93 | 2.30 | 2.66 | 3.06 | 3.51 | 4.04 |
| 36+3                            | 1.53                           | 1.96 | 2.33 | 2.69 | 3.09 | 3.54 | 4.07 |
| 36+4                            | 1.56                           | 1.99 | 2.36 | 2.72 | 3.12 | 3.57 | 4.10 |
| 36+5                            | 1.59                           | 2.01 | 2.38 | 2.74 | 3.15 | 3.60 | 4.13 |
| 36+6                            | 1.61                           | 2.04 | 2.41 | 2.77 | 3.17 | 3.63 | 4.16 |
| 37+0                            | 1.64                           | 2.06 | 2.44 | 2.80 | 3.20 | 3.65 | 4.19 |
| 37+1                            | 1.66                           | 2.09 | 2.46 | 2.83 | 3.23 | 3.68 | 4.22 |
| 37+2                            | 1.68                           | 2.11 | 2.49 | 2.85 | 3.26 | 3.71 | 4.25 |
| 37+3                            | 1.71                           | 2.14 | 2.51 | 2.88 | 3.28 | 3.74 | 4.28 |
| 37+4                            | 1.73                           | 2.16 | 2.54 | 2.90 | 3.31 | 3.76 | 4.30 |
| 37+5                            | 1.75                           | 2.19 | 2.56 | 2.93 | 3.33 | 3.79 | 4.33 |
| 37+6                            | 1.78                           | 2.21 | 2.58 | 2.95 | 3.36 | 3.82 | 4.36 |

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## Birthweight (kg) Girls

INTERGROWTH-21<sup>st</sup>



| Gestational age<br>(weeks+days) | z-scores (Standard Deviations) |      |      |      |      |      |      |
|---------------------------------|--------------------------------|------|------|------|------|------|------|
|                                 | -3                             | -2   | -1   | 0    | 1    | 2    | 3    |
| 38+0                            | 1.80                           | 2.23 | 2.61 | 2.97 | 3.38 | 3.84 | 4.38 |
| 38+1                            | 1.82                           | 2.25 | 2.63 | 3.00 | 3.41 | 3.86 | 4.41 |
| 38+2                            | 1.84                           | 2.27 | 2.65 | 3.02 | 3.43 | 3.89 | 4.43 |
| 38+3                            | 1.86                           | 2.30 | 2.67 | 3.04 | 3.45 | 3.91 | 4.46 |
| 38+4                            | 1.88                           | 2.32 | 2.69 | 3.06 | 3.47 | 3.94 | 4.48 |
| 38+5                            | 1.90                           | 2.34 | 2.72 | 3.09 | 3.50 | 3.96 | 4.51 |
| 38+6                            | 1.92                           | 2.36 | 2.74 | 3.11 | 3.52 | 3.98 | 4.53 |
| 39+0                            | 1.94                           | 2.38 | 2.76 | 3.13 | 3.54 | 4.00 | 4.55 |
| 39+1                            | 1.96                           | 2.40 | 2.78 | 3.15 | 3.56 | 4.02 | 4.57 |
| 39+2                            | 1.98                           | 2.41 | 2.80 | 3.17 | 3.58 | 4.05 | 4.59 |
| 39+3                            | 1.99                           | 2.43 | 2.81 | 3.19 | 3.60 | 4.07 | 4.62 |
| 39+4                            | 2.01                           | 2.45 | 2.83 | 3.21 | 3.62 | 4.09 | 4.64 |
| 39+5                            | 2.03                           | 2.47 | 2.85 | 3.22 | 3.64 | 4.11 | 4.66 |
| 39+6                            | 2.04                           | 2.48 | 2.87 | 3.24 | 3.66 | 4.12 | 4.68 |
| 40+0                            | 2.06                           | 2.50 | 2.88 | 3.26 | 3.68 | 4.14 | 4.70 |
| 40+1                            | 2.08                           | 2.52 | 2.90 | 3.28 | 3.69 | 4.16 | 4.72 |
| 40+2                            | 2.09                           | 2.53 | 2.92 | 3.29 | 3.71 | 4.18 | 4.73 |
| 40+3                            | 2.11                           | 2.55 | 2.93 | 3.31 | 3.73 | 4.20 | 4.75 |
| 40+4                            | 2.12                           | 2.56 | 2.95 | 3.33 | 3.74 | 4.21 | 4.77 |
| 40+5                            | 2.13                           | 2.58 | 2.96 | 3.34 | 3.76 | 4.23 | 4.79 |
| 40+6                            | 2.15                           | 2.59 | 2.98 | 3.36 | 3.78 | 4.25 | 4.81 |
| 41+0                            | 2.16                           | 2.61 | 2.99 | 3.37 | 3.79 | 4.26 | 4.82 |
| 41+1                            | 2.17                           | 2.62 | 3.01 | 3.39 | 3.81 | 4.28 | 4.84 |
| 41+2                            | 2.19                           | 2.63 | 3.02 | 3.40 | 3.82 | 4.29 | 4.85 |
| 41+3                            | 2.20                           | 2.64 | 3.03 | 3.41 | 3.83 | 4.31 | 4.87 |
| 41+4                            | 2.21                           | 2.66 | 3.05 | 3.43 | 3.85 | 4.32 | 4.88 |
| 41+5                            | 2.22                           | 2.67 | 3.06 | 3.44 | 3.86 | 4.34 | 4.90 |
| 41+6                            | 2.23                           | 2.68 | 3.07 | 3.45 | 3.87 | 4.35 | 4.91 |
| 42+0                            | 2.24                           | 2.69 | 3.08 | 3.46 | 3.89 | 4.36 | 4.93 |
| 42+1                            | 2.25                           | 2.70 | 3.09 | 3.48 | 3.90 | 4.38 | 4.94 |
| 42+2                            | 2.26                           | 2.71 | 3.10 | 3.49 | 3.91 | 4.39 | 4.95 |
| 42+3                            | 2.27                           | 2.72 | 3.12 | 3.50 | 3.92 | 4.40 | 4.97 |
| 42+4                            | 2.28                           | 2.73 | 3.13 | 3.51 | 3.93 | 4.41 | 4.98 |
| 42+5                            | 2.29                           | 2.74 | 3.14 | 3.52 | 3.94 | 4.42 | 4.99 |
| 42+6                            | 2.30                           | 2.75 | 3.14 | 3.53 | 3.96 | 4.43 | 5.00 |