LEVELS AND TRENDS IN CHILD MALNUTRITION

UNICEF / WHO / World Bank Group Joint Child Malnutrition Estimates

Key findings of the 2020 edition


**STUNTING**

- **144 million**
- Stunting affected an estimated 21.3 per cent or 144.0 million children under 5 globally in 2019.

**WASTING**

- **47 million**
- In 2019, wasting continued to threaten the lives of an estimated 6.9 per cent or 47.0 million children under 5 globally.

**OVERWEIGHT**

- **38 million**
- An estimated 5.6 per cent or 38.3 million children under 5 around the world were overweight in 2019.
The ultimate aim is for all children to be free of malnutrition in all its forms

Good nutrition allows children to survive, grow, develop, learn, play, participate and contribute – while malnutrition robs children of their futures and leaves young lives hanging in the balance.

Stunting is the devastating result of poor nutrition in-utero and early childhood. Children suffering from stunting may never attain their full possible height and their brains may never develop to their full cognitive potential. Globally, 144.0 million children under 5 suffer from stunting. These children begin their lives at a marked disadvantage: they face learning difficulties in school, earn less as adults, and face barriers to participation in their communities.

Wasting in children is the life-threatening result of poor nutrient intake and/or disease. Children suffering from wasting have weakened immunity, are susceptible to long term developmental delays, and face an increased risk of death, particularly when wasting is severe. These children require urgent feeding, treatment and care to survive. In 2019, 47.0 million children under 5 were wasted of which 14.3 million were severely wasted.

There is also an emerging face of malnutrition: childhood overweight and obesity. There are now 38.3 million overweight children globally, an increase of 8 million since 2000. The emergence of overweight and obesity has been shaped, at least in part, by industry marketing and greater access to processed foods, along with lower levels of physical activity.

While malnutrition can manifest in multiple ways, the path to prevention is virtually identical: adequate maternal nutrition before and during pregnancy and lactation; optimal breastfeeding in the first two years of life; nutritious, diverse and safe foods in early childhood; and a healthy environment, including access to basic health, water, hygiene and sanitation services and opportunities for safe physical activity. These key ingredients can deliver a world where children are free from all forms of malnutrition.

Despite this opportunity, the UNICEF, WHO, World Bank global and regional child malnutrition estimates reveal that we are still far from a world without malnutrition. The joint estimates, published in March 2020, cover indicators of stunting, wasting, severe wasting and overweight among children under 5, and reveal insufficient progress to reach the World Health Assembly targets set for 2025 and the Sustainable Development Goals set for 2030.

Improving children’s nutrition requires effective and sustained multi-sectoral nutrition programming over the long term, and many countries are moving in the right direction. Regular data collection is critical to monitor and analyse country, regional and global progress going forward.

**Forms of malnutrition**:

- **Stunting** refers to a child who is too short for his or her age. These children can suffer severe irreversible physical and cognitive damage that accompanies stunted growth. The devastating effects of stunting can last a lifetime and even affect the next generation.

- **Overweight** refers to a child who is too heavy for his or her height. This form of malnutrition results from energy intakes from food and beverages that exceed children’s energy requirements. Overweight increases the risk of diet-related noncommunicable diseases later in life.

- **Wasting** refers to a child who is too thin for his or her height. Wasting is the result of recent rapid weight loss or the failure to gain weight. A child who is moderately or severely wasted has an increased risk of death, but treatment is possible.

*Some children suffer from more than one form of malnutrition – such as stunting and overweight or stunting and wasting. There are currently no joint global or regional estimates for these combined conditions.*
GLOBAL OVERVIEW

Malnutrition rates remain alarming. Stunting is declining too slowly while wasting still impacts the lives of far too many young children.

Africa and Asia bear the greatest share of all forms of malnutrition

- Asia 54%
- Africa 40%

In 2019, more than half of all stunted children under 5 lived in Asia and two out of five lived in Africa.

- Asia 69%
- Africa 27%

In 2019, more than two thirds of all wasted children under 5 lived in Asia and more than one quarter lived in Africa.

- Asia 45%
- Africa 24%

In 2019, almost half of all overweight children under 5 lived in Asia and one quarter lived in Africa.

Source: UNICEF, WHO, World Bank Group joint malnutrition estimates, 2020 edition. See Notes on Data on page 14 on why only one time point is presented for wasting on the graphs above.
Seven sub-regions have a high or very high stunting prevalence
Percentage of stunted children under 5, by United Nations sub-region, 2019

Large disparities in stunting reduction exist within regions/between sub-regions
Trends in the percentage of stunted children under 5, by United Nations region/sub-region, 2000 and 2019

Source: UNICEF, WHO, World Bank Group joint malnutrition estimates, 2020 edition. Note: *Eastern Asia excluding Japan; **Oceania excluding Australia and New Zealand; ***Northern America sub-regional estimate based on United States data. There is no estimate available for the sub-regions of Europe or Australia and New Zealand due to insufficient population coverage. These maps are stylized and not to scale and do not reflect a position by UNICEF, WHO or World Bank Group on the legal status of any country or territory or the delimitation of any frontiers.
Nearly two out of five stunted children in the world live in Southern Asia

Number (millions) of stunted children under 5, by United Nations sub-region, 2019

Africa
57.5 million

- Northern Africa
  - Western Africa
  - South-eastern Asia
  - Southern Africa
- Middle Africa
- Western Asia
- Central Asia
- Eastern Asia

Asia*
78.2 million

- Southern Asia
  - Western Asia
- Eastern Asia
- South-eastern Asia

Latin America and Caribbean
4.7 million

- Caribbean
- South America

Oceania**
0.6 million

Source: UNICEF, WHO, World Bank Group joint malnutrition estimates, 2020 edition. Note: *Eastern Asia excluding Japan; **Oceania excluding Australia and New Zealand; ***The Northern America sub-regional estimate based on United States data. There is no estimate available for the More Developed Region or for sub-regions of Europe or Australia and New Zealand due to insufficient population coverage. Aggregates may not add up due to rounding and/or lack of estimates for the More Developed Region.

Africa is the only region where the number of stunted children has risen

Trends in the number (millions) of stunted children under 5, by United Nations region/sub-region, 2000 and 2019

Source: UNICEF, WHO, World Bank Group joint malnutrition estimates, 2020 edition. Note: *Asia and Eastern Asia excluding Japan; **Oceania excluding Australia and New Zealand; ***Northern America sub-regional estimates based on United States data. There is no estimate available for the More Developed Region or for sub-regions of Europe or Australia and New Zealand due to insufficient population coverage. †represents regions/sub-regions where the change has been statistically significant; see page 13 for the 95% confidence intervals for graphed estimates.
Southern Asia is the sub-region with the highest wasting prevalence in the world
Percentage of wasted children under 5, by United Nations sub-region, 2019

In Asia and Oceania, wasting is putting nearly one in ten children under 5 at increased risk of death

Source: UNICEF, WHO, World Bank Group joint malnutrition estimates, 2020 edition. Includes 95% confidence interval. Note: *Asia excluding Japan; **Oceania excluding Australia and New Zealand. There is no estimate available for the sub-regions of Europe or Australia and New Zealand due to insufficient population coverage. These maps are stylized and not to scale and do not reflect a position by UNICEF, WHO or World Bank Group on the legal status of any country or territory or the delimitation of any frontiers. The legend contains a category for ≥15 per cent (pink) but there is no sub-region with a prevalence this high.
More than half of all wasted children in the world live in Southern Asia

Number (millions) of wasted children under 5, by United Nations sub-region, 2019

Asia*
- 32.6 million
- 10.5 million moderate and severe
- 12.7 million

Africa
- 12.7 million
- 3.5 million moderate and severe
- 0.7 million

Latin America and Caribbean
- 0.7 million
- 0.1 million moderate and severe
- 0.1 million

South America
- 0.4 million

Central America
- 0.1 million

Northern America***
- 0.1 million

Asia
- 32.6 million
- 10.5 million moderate and severe
- 12.7 million

Africa
- 12.7 million
- 3.5 million moderate and severe
- 0.7 million

Latin America and Caribbean
- 0.7 million
- 0.1 million moderate and severe
- 0.1 million

South America
- 0.4 million

Central America
- 0.1 million

Northern America***
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Asia
- 32.6 million
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Africa
- 12.7 million
- 3.5 million moderate and severe
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Latin America and Caribbean
- 0.7 million
- 0.1 million moderate and severe
- 0.1 million

Source: UNICEF, WHO, World Bank Group joint malnutrition estimates, 2020 edition. Note: *Eastern Asia excluding Japan; **Oceania excluding Australia and New Zealand; ***The Northern America sub-regional estimate based on United States data. There is no estimate available for the More Developed Region or for sub-regions of Europe or Australia and New Zealand due to insufficient population coverage. Aggregates may not add up due to rounding and/or lack of estimates for the More Developed Region.

Asia is home to the majority of children under 5 suffering from wasting and severe wasting

Number of wasted and severely wasted children under 5, by United Nations region, 2019

- 47.0 million wasted
  - 14.3 million are severely wasted

Source: UNICEF, WHO, World Bank Group joint malnutrition estimates, 2020 edition. Note: *Asia excluding Japan; **Oceania excluding Australia and New Zealand. There is no estimate available for the More Developed Region due to insufficient population coverage. Aggregates may not add up due to rounding and/or lack of estimates for the More Developed Region.
Overweight is a concern in almost all regions of the world
Percentage of overweight children under 5, by United Nations sub-region, 2019

There has been no progress to stem the rate of overweight in nearly 20 years
Trends in the percentage of overweight children under 5, by United Nations region/sub-region, 2000 and 2019

Source: UNICEF, WHO, World Bank Group joint malnutrition estimates, 2020 edition. Note: *Eastern Asia excluding Japan; **Oceania excluding Australia and New Zealand; ***The Australia and New Zealand sub-regional estimate is based only on Australia data. There is no estimate available for the sub-region of Europe due to insufficient population coverage. These maps are stylized and not to scale and do not reflect a position by UNICEF, WHO or World Bank Group on the legal status of any country or territory or the delimitation of any frontiers.
**Overweight NUMBERS AFFECTED**

**Europe is the only sub-region without an overweight estimate**

Number (millions) of overweight children under 5, by United Nations sub-region, 2019

Source: UNICEF, WHO, World Bank Group joint malnutrition estimates, 2020 edition. Note: *Eastern Asia excluding Japan; **Oceania excluding Australia and New Zealand. ***The Australia and New Zealand sub-regional estimate is based only on Australia data. There is no estimate available for the More Developed Region or for the sub-region of Europe due to insufficient population coverage. Aggregates may not add up due to rounding and/or lack of estimates for the More Developed Region.

**South-eastern Asia and Northern America are the only sub-regions which had a significant increase in the number of overweight children since 2000**

Number (millions) of overweight children under 5, by United Nations region/sub-region, 2000 and 2019

Source: UNICEF, WHO, World Bank Group joint malnutrition estimates, 2020 edition. Note: *Asia and Eastern Asia excluding Japan; **Oceania excluding Australia and New Zealand. ***The Australia and New Zealand sub-regional estimate is based only on Australia data. There is no estimate available for the More Developed Region or for the sub-region of Europe due to insufficient population coverage. †represents sub-regions where the change has been statistically significant; see page 13 for the 95% confidence intervals for graphed estimates.
Upper-middle-income countries have the largest relative declines in the number of stunted children of all income groups

Number of stunted children under 5, by country income classification, 2000 and 2019


There has been no progress to stem the rate of overweight in nearly 20 years in any country-income group

Number of overweight children under 5, by country income classification, 2000 and 2019

While only about half of all children under-5 live in lower-middle income countries, two-thirds of all stunted children and three-quarters of all wasted children live there.

**Distribution of children under-5 in the world, by country income grouping, 2019**

- 17% of all under-5 children live in low income countries
- 46% of all under-5 children live in lower-middle income countries
- 27% of all under-5 children live in upper-middle income countries
- 10% of all under-5 children live in high income countries

**Distribution of children under 5 affected by stunting, overweight and wasting in 2019**

- 27% of all stunted children live in low-income countries
- 64% of all stunted children live in lower-middle-income countries
- 8% of all stunted children live in upper-middle-income countries
- 1% of all stunted children live in high-income countries

- 17% of all wasted children live in low-income countries
- 75% of all wasted children live in lower-middle-income countries
- 7% of all wasted children live in upper-middle-income countries
- 1% of all wasted children live in high-income countries

- 8% of all overweight children live in low-income countries
- 37% of all overweight children live in lower-middle-income countries
- 41% of all overweight children live in upper-middle-income countries
- 13% of all overweight children live in high-income countries

*Share is relative to the total number affected across the 4 country-income groups; this varies from the global totals reported elsewhere in this brochure because the official JME global total is based on a model of United Nations regions. The differences are as follows: Stunting official global estimate 144.0 million; sum of 4 country-income groups = 145.8 million. Wasting official global estimate 47.0 million; sum of country-income groups = 45.3 million. Overweight official global estimate 38.3 million; sum of 4 country-income groups = 39.1 million.*
## PREVALENCE ESTIMATES TABLES

### Stunting

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### Wasting and Severe Wasting

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### Overweight

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### Footnotes

1. Only estimates for Less Developed Regions are displayed; the More Developed Region estimates are not displayed due to insufficient population coverage.
2. Asia excluding Japan; Eastern Asia excluding Japan.
3. Oceania excluding Australia and New Zealand.
4. The Northern America estimates are derived applying mixed-effect models with sub-regions as fixed effects; for stunting, wasting and severe wasting, data were available only for the United States, preventing the estimation of standard errors (and confidence intervals). The Australia and New Zealand estimates are based on only Australian data applying linear regression; for stunting, only two data points were available, and thus estimation of standard errors (and confidence intervals) was not possible. Further details on the methodology are described in the UNICEF/WHO/World Bank Group – Joint Child Malnutrition Estimates 2020 edition.
5. Consecutive low population coverage; interpret with caution.
6. Eastern Europe and Central Asia excluding Russia.

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### NUMBER (MILLIONS) AFFECTED TABLES*

**Global**

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<thead>
<tr>
<th></th>
<th>2000</th>
<th>2019</th>
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<tr>
<td>Stunting (number millions)</td>
<td>199.5 [190.0-209.0]</td>
<td>144.0 [133.6-154.5]</td>
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<tr>
<td>Wasting and Severe Wasting (number millions)</td>
<td>47.0 [38.7-55.3]</td>
<td>14.3 [11.1-17.5]</td>
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<tr>
<td>Overweight (number millions)</td>
<td>30.3 [26.8-33.8]</td>
<td>38.3 [32.9-43.6]</td>
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**United Nations Regions**

| Less Developed Regions1 | 196.3 [187.0-205.5] | 149.0 [130.6-151.2] |
| Africa                  | 49.7 [46.7-52.8] | 57.5 [53.0-62.0] |
| Middle Africa           | 7.0 [6.0-8.0] | 9.5 [8.0-11.2] |
| Northern Africa         | 5.0 [3.8-6.6] | 5.1 [3.4-7.5] |
| Southern Africa         | 1.9 [1.7-2.1] | 2.0 [1.7-2.2] |
| Western Africa          | 14.8 [13.6-16.0] | 17.8 [15.3-20.8] |
| Asia2                   | 136.6 [128.0-145.1] | 78.2 [69.1-87.3] |
| Central Asia            | 17.1 [13.2-21.1] | 0.8 [0.6-1.0] |
| Southern Asia           | 90.2 [82.6-97.7] | 55.9 [48.2-64.2] |
| South-eastern Asia      | 21.0 [17.9-24.4] | 13.9 [10.5-18.0] |
| Western Asia            | 5.3 [3.7-7.4] | 3.4 [1.7-6.5] |
| Latin American and Caribbean | 9.5 [7.6-11.5] | 4.7 [3.2-6.2] |
| Caribbean               | 0.6 [0.3-1.1] | 0.3 [0.1-0.6] |
| Central America         | 3.9 [2.8-5.4] | 2.0 [1.3-3.1] |
| South America           | 5.0 [3.8-6.5] | 2.4 [1.4-3.9] |
| Oceanic                 | 0.5 [0.2-0.7] | 0.6 [0.3-0.9] |

**More Developed Regions**

| Australia and New Zealand4 | - | 0.0 |
| Europe                  | - | - |
| Northern America4       | 0.7 | 0.6 |

**UNICEF Regions**

| East Asia and Pacific | 38.1 [30.1-46.1] | 16.9 [10.6-23.2] |
| Europe and Central Asia5 | - | - |
| Latin America and Caribbean | 9.5 [7.6-11.5] | 4.7 [3.2-6.2] |
| Eastern Europe and Central Asia | 3.9 [3.2-4.8] | 1.6 [1.4-2.0] |
| Western Europe          | - | - |
| Eastern Europe          | - | - |
| Western Europe          | - | - |

**WHO Regions**

| African Region          | 47.2 [43.0-51.4] | 55.3 [50.7-60.1] |
| Region of the Americas  | 8.6 [4.4-15.9] | 4.6 [2.8-7.6] |
| South-East Asia Region  | 90.6 [82.3-97.4] | 52.6 [45.6-60.1] |
| Eastern Mediterranean Region | 22.4 [16.2-29.2] | 20.8 [13.3-30.3] |

**World Bank Income**

| Low income              | 38.0 [35.0-41.0] | 39.7 [38.8-42.8] |
| Middle income           | 164.2 [148.5-180.0] | 104.1 [91.7-116.5] |
| Lower-middle income     | 130.1 [115.4-154.5] | 93.2 [82.0-102.5] |
| Upper middle income     | 34.2 [30.4-36.3] | 11.0 [7.4-16.1] |
| High income             | 2.3 [1.5-2.6] | 1.9 [1.4-2.6] |

**World Bank Regions**

| East Asia and Pacific   | 38.2 [30.2-46.2] | 17.0 [10.6-23.3] |
| Europe and Central Asia | - | - |
| Latin America and Caribbean | 9.5 [7.6-11.5] | 4.7 [3.2-6.2] |
| Middle East and North Africa | 8.5 [6.5-11.0] | 7.1 [4.5-10.8] |
| North America4          | 0.7 | 0.6 |
| South America           | 90.1 [87.1-93.1] | 56.1 [52.7-59.6] |
| Sub-Saharan Africa      | 49.2 [45.4-53.1] | 57.5 [53.6-61.5] |

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*Complete data series for stunting and overweight (1990, 1995, 2000, 2005, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018 and 2019) and the latest year for wasting (2019) estimates of prevalence and numbers affected can be found at the websites below for global as well as for the following groupings: (i) United Nations regions and sub-regions; (ii) UNICEF regions; (iii) WHO regions; (iv) World Bank country income classifications; (v) World Bank regions; (vi) SDG regions; and (vii) FAO’s low income food deficient countries classification. These websites also contain a file with the country compositions for each grouping.

Strengths and weaknesses of malnutrition data

Prevalence estimates for stunting and overweight are relatively stable over the course of a calendar year. It is therefore possible to track global and regional changes in these two conditions over time.

Wasting and severe wasting are acute conditions that can change frequently and rapidly over the course of a calendar year. This makes it difficult to generate reliable trends over time with the input data available, and as such, this report provides only most recent global and regional estimates.

The joint global and regional estimates that make up the UNICEF/WHO/World Bank Group Joint Child Malnutrition Estimates have been generated using a country-level dataset which is mainly comprised of estimates from nationally representative household surveys. These data are collected infrequently (every 3 to 5 years in most countries) and measure malnutrition at one point in time (e.g. during one or several months of field work), making it difficult to capture the rapid fluctuations in wasting that can occur over the course of a given year. Incidence data (i.e. the number of new cases that occur during the calendar year) would allow for better tracking of changes over time; however, these data currently do not exist.

The analysis methods and presentation have remained unchanged from the 2012 report, except for minor refinements detailed below:

1. Year assigned to each survey

When data collection begins in one calendar year and continues into the next, the survey year assigned is the one in which most of the fieldwork took place. For example, if a survey was conducted between 1 September 2009 and 28 February 2010, the year 2009 would be assigned, since the majority of data collection took place in that year (i.e., four months in 2009 versus two months in 2010). This method has been used since the 2013 edition (prior to that, the latter year was used by default – e.g., 2010 in the example above).

2. Final reports only

As of the 2014 edition, the country-level dataset used to generate the global and regional joint malnutrition estimates is based only on final survey results. Preliminary survey results are no longer included in the dataset since the data are sometimes retracted or change significantly when the final version is released.

3. Updated data sources

i. The updated joint dataset includes:
   • 924 nationally representative surveys;
   • data from 152 countries and territories, representing more than 90 per cent of all children under 5 globally (population coverage varies by regions and periods). The majority of data available are from low- and middle-income countries – more efforts are needed to generate data from high-income countries.

ii. The under 5 population estimates were based on The United Nations World Population Prospects, 2019 Revision. These were used as weighting factors for each country survey to derive the regional and global prevalence estimates and calculate the numbers affected.

iii. Regional and country income classifications were based on FY2020 World Bank income classification.

4. Footnotes on population coverage

As started in the 2014 edition, a separate exercise was conducted to assess population coverage. This was important in order to alert the reader, via footnotes, to instances where the data should be interpreted with caution due to low population coverage (defined as less than 50 per cent). A conservative method was applied looking at available data within five-year periods around the projected years. Population coverage was calculated as:

\[
\text{Population coverage} = \frac{\text{the sum of country five-year average populations for which surveys are available in the dataset}}{\text{the total of country five-year average population for all countries in the region}}
\]

Population coverage for the most recent period (2015-2019), by UN regions

<table>
<thead>
<tr>
<th>Region</th>
<th>Stunting</th>
<th>Overweight</th>
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<tbody>
<tr>
<td>Africa</td>
<td>Number of countries with at least one recent (2015-2019) survey</td>
<td>32/54</td>
</tr>
<tr>
<td>Population coverage</td>
<td>72%</td>
<td>71%</td>
</tr>
<tr>
<td>Asia*</td>
<td>Number of countries with at least one recent (2015-2019) survey</td>
<td>25/47</td>
</tr>
<tr>
<td>Population coverage</td>
<td>69%</td>
<td>69%</td>
</tr>
<tr>
<td>Latin America and Caribbean</td>
<td>Number of countries with at least one recent (2015-2019) survey</td>
<td>9/37</td>
</tr>
<tr>
<td>Population coverage</td>
<td>51%</td>
<td>51%</td>
</tr>
<tr>
<td>Oceania**</td>
<td>Number of countries with at least one recent (2015-2019) survey</td>
<td>2/15</td>
</tr>
<tr>
<td>Population coverage</td>
<td>7%</td>
<td>7%</td>
</tr>
<tr>
<td>More Developed Regions***</td>
<td>Number of countries with at least one recent (2015-2019) survey</td>
<td>3/51</td>
</tr>
<tr>
<td>Population coverage</td>
<td>34%</td>
<td>36%</td>
</tr>
<tr>
<td>Global</td>
<td>Number of countries with at least one recent (2015-2019) survey</td>
<td>71/202</td>
</tr>
<tr>
<td>Population coverage</td>
<td>64%</td>
<td>65%</td>
</tr>
</tbody>
</table>

Note: * Asia excluding Japan; **Oceania excluding Australia and New Zealand. *** The More Developed Region malnutrition estimates are not displayed in the brochure due to lack of adequate population coverage (<50 per cent) in all year ranges since 1990. Also note that figures for wasting are the same as for stunting and therefore not presented.
5. Prevalence thresholds for wasting, overweight and stunting in children under 5 years

New thresholds, presented in Table 1, were established through the WHO-UNICEF Technical Advisory Group on Nutrition Monitoring (TEAM)² and released in 2018. These new thresholds have been used for development of prevalence-based maps in this brochure. The thresholds were developed in relation to standard deviations (SD) of the normative WHO Child Growth Standards. The international definition of ‘normal’ (two SD from the WHO standards median) defines the first threshold, which includes 2.3% of the area under the normalized distribution. Multipliers of this “very low” level (rounded to 2.5%) set the basis to establish subsequent thresholds.

Table 1. Prevalence thresholds and corresponding labels for stunting, overweight and wasting

<table>
<thead>
<tr>
<th>Labels</th>
<th>Stunting</th>
<th>Overweight and Wasting</th>
</tr>
</thead>
<tbody>
<tr>
<td>Very low</td>
<td>&lt; 2.5</td>
<td>&lt; 2.5</td>
</tr>
<tr>
<td>Low</td>
<td>2.5 – &lt; 10</td>
<td>2.5 – &lt; 5</td>
</tr>
<tr>
<td>Medium</td>
<td>10 – &lt; 20</td>
<td>5 – &lt; 10</td>
</tr>
<tr>
<td>High</td>
<td>20 – &lt;30</td>
<td>10 – &lt; 15</td>
</tr>
<tr>
<td>Very high</td>
<td>≥ 30</td>
<td>≥ 15</td>
</tr>
</tbody>
</table>

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<data.unicef.org/nutrition>; <www.who.int/nutgrowthdb>; <data.worldbank.org>.