Coverage and number of infants not vaccinated for DTP3 by country, 2020

Countries with dark blue color, Iraq, Jordan, Syrian Arab Republic and Yemen, have the lowest coverage levels with highest number of unvaccinated infants for DTP3. Syrian Arab Republic and State of Palestine have highest coverage levels with the lowest numbers of unvaccinated infants for DTP3.

More than 1 million still not fully vaccinated

In 2020, 1.3 out of 11 million surviving infants in the region did not receive the three recommended doses of DTP vaccine.

Half of the countries sustained at least 90% coverage for DTP3

8 out of 16 countries in the region (excluding Algeria, Cyprus, Kuwait, Morocco, and Oman) sustained the target coverage of 90% or above for DTP3 for the past three years.

Measles regional coverage below the global target

In 2020, the regional coverage of MCV1 was 87% compared to the global target of 95%.

Global and regional coverage of DTP3, 2000–2020

In 2020, the regional coverage of DTP3 was 88% per cent, which is 3 per cent points lower than lower than regional coverage in 2019.

Vaccination coverage (%) by country, 2020

Note: Please find the acronym definitions on page 3.

*No coverage estimates available. Find the complete list of countries that did not report coverage data for 2020 on page 3.
### Regional Vaccination Trends, 2000–2020

#### DTP1

- **Coverage (%)**
  - 2000: 66
  - 2005: 80
  - 2010: 85
  - 2015: 85
  - 2020: 85

#### DTP3

- **Coverage (%)**
  - 2000: 80
  - 2005: 70
  - 2010: 70
  - 2015: 70
  - 2020: 70

#### MCV1

- **Coverage (%)**
  - 2000: 70
  - 2005: 70
  - 2010: 70
  - 2015: 70
  - 2020: 70

#### MCV2

- **Coverage (%)**
  - 2000: 70
  - 2005: 70
  - 2010: 70
  - 2015: 70
  - 2020: 70

#### PCV3

- **Coverage (%)**
  - 2000: 70
  - 2005: 70
  - 2010: 70
  - 2015: 70
  - 2020: 70

### Number of unvaccinated (DTP1) and under-vaccinated (DTP3) infants, 2000–2020

#### Number of infants (in thousands)

<table>
<thead>
<tr>
<th>Year</th>
<th>Un-vaccinated</th>
<th>Under-vaccinated</th>
</tr>
</thead>
<tbody>
<tr>
<td>2000</td>
<td>45</td>
<td>45</td>
</tr>
<tr>
<td>2005</td>
<td>50</td>
<td>50</td>
</tr>
<tr>
<td>2010</td>
<td>55</td>
<td>55</td>
</tr>
<tr>
<td>2015</td>
<td>60</td>
<td>60</td>
</tr>
<tr>
<td>2020</td>
<td>65</td>
<td>65</td>
</tr>
</tbody>
</table>

#### Sources:

### Top 5 countries with the most unvaccinated (DTP1) and under-vaccinated (DTP3) infants, 2018–2020

<table>
<thead>
<tr>
<th>Country</th>
<th>Un-vaccinated</th>
<th>Under-vaccinated</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yemen</td>
<td>200</td>
<td>180</td>
</tr>
<tr>
<td>Syria</td>
<td>180</td>
<td>80</td>
</tr>
<tr>
<td>Somalia</td>
<td>80</td>
<td>20</td>
</tr>
<tr>
<td>Sudan</td>
<td>20</td>
<td>5</td>
</tr>
<tr>
<td>Egypt</td>
<td>5</td>
<td>2</td>
</tr>
</tbody>
</table>

#### Notes:
- Zero-dose is defined as un-vaccinated children for DTP1.
- Countries with high coverage (>=95%) in 2020 and a change in coverage within 2% from 2019: Bahrain, Iran (Islamic Republic of), Saudi Arabia, and State of Palestine.

### MCV1 and DTP3 coverage change from 2019 to 2020, by country

- **Note:** Countries with high coverage (>=95%) in 2020 and a change in coverage within 2% from 2019: Bahrain, Iran (Islamic Republic of), Saudi Arabia, State of Palestine, and United Arab Emirates.

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Definitions of immunization terms

**Vaccine coverage:** Percentage of infants (children under one year of age) who received certain vaccine-doses. For example, coverage of DTP3 is the percentage of infants that received all three doses of diphtheria, tetanus, and pertussis (DTP) vaccine.

**Un-vaccinated:** An infant that did not receive any vaccine. In this regional profile, un-vaccinated is defined as an infant that did not receive any DTP vaccine (not vaccinated for DTP1).

**Under-vaccinated:** An infant that received some but not all the recommended vaccine-doses on the national schedule. In this regional profile, under-vaccinated is defined in relation to the DTP vaccination series, not the entire national immunization schedule.

**Vaccine-Doses:**
- Bacillus Calmette-Guerin (BCG): vaccine against tuberculosis
- Diphtheria, tetanus, and pertussis vaccine, first dose (DTP1) and third dose (DTP3)
- Hepatitis B vaccine, third dose (HepB3)
- Haemophilus influenzae type B vaccine, third dose (Hib3)
- Poliomyelitis vaccine, third dose (Polio3)
- Measles containing vaccine, first dose (MCV1) and second dose (MCV2)
- Rotavirus vaccine, last dose (Rota)
- Pneumococcal vaccine, third dose (PCV3)
- Human Papillomavirus vaccine, last dose (HPV): vaccine to protect against certain types of human papillomavirus that can lead to cancer or genital warts
- Yellow Fever vaccine (YFV)

**Countries without 2020 reported data**

Albania, Algeria, Armenia, Bahamas, Belgium, Bosnia and Herzegovina, Cook Islands, Croatia, Cyprus, Czechia, Fiji, France, Gambia, Germany, Guinea-Bissau, Hungary, Iceland, Kuwait, Marshall Islands, Monaco, Morocco, Namibia, Netherlands, Niue, Oman, Peru, Poland, Portugal, Republic of North Macedonia, Sao Tome and Principe, Serbia, Singapore, South Korea, Thailand, Trinidad and Tobago

Note: Estimates for the year 2020 are not available for the above listed 35 countries. For the regional and global aggregations, the coverage rates were imputed for the countries that did not report.

**Interpretation of graphs**

The **bi-scale map** shows both the level of coverage and the total number of infants not vaccinated for DTP3.

- Less than 80% coverage and ranked in the group of countries with the most number of under-vaccinated infants within the region.
- 80% to 89% coverage and ranked in the group of countries with the most number of under-vaccinated infants within the region.
- Greater than or equal to 90% coverage and ranked in the middle group of countries with the most number of under-vaccinated infants within the region.
- Greater than or equal to 90% coverage and ranked in the group of countries with the least number of under-vaccinated infants within the region.
- 80% to 89% coverage and ranked in the middle group of countries in terms of number of under-vaccinated infants within the region.
- Less than 80% coverage and ranked in the group of countries with the least number of under-vaccinated infants within the region.
- Greater than or equal to 90% coverage and ranked in the group of countries with the least number of under-vaccinated infants within the region.

The **DTP3 coverage change from 2019 to 2020 scatter plot** shows the change in DTP3 coverage between 2019 and 2020. Countries that experienced more than 5 percentage point drop in coverage since the previous year are labelled in dark red. Similarly, countries that experienced more than 5 percentage point increase in coverage since the previous year are labelled in dark blue. Countries with no significant changes (less than 2 percentage points) are labelled in yellow.

**GRISP: Global Routine Immunization Strategies and Practices**

**Coordinating Actions to Achieve Disease Prevention for All**

The GRISP framework outlines the specific strategies and activities required to ensure the lifesaving power of routine immunization is accessible to all—regardless of who they are or where they live. It breaks down into the following nine areas: