More than 200,000 still not fully vaccinated

In 2022, 229,000 out of nearly 4.1 million surviving infants in the region did not receive the three recommended doses of DTP vaccine.

Over 60% of reporting countries achieved at least 90% coverage for DTP3

12 out of 21 countries in the region (excluding Kosovo) sustained the target coverage of 90% or above for DTP3 for the past four years.

Measles regional coverage is below the key target

In 2022, the regional coverage of MCV1 was 93% compared to the target of 95% needed to prevent outbreaks.

Global and regional coverage of DTP3 (%), 2000-2022

Coverage and number of children unvaccinated for DTP3, 2022

Regional DTP3 coverage: 94%; Number unvaccinated for DTP3: 229,000

<table>
<thead>
<tr>
<th>Ukraine</th>
<th>94%</th>
<th>88,000</th>
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<tbody>
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<td>Romania</td>
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Note: This map is not to scale and does not reflect a position by UNICEF on the legal status of any country or area, or the delimitation of any frontiers.

Note: Who estimates of national immunization coverage, 2022 revision.

Vaccination coverage (%) 2022

- Europe and Central Asia
- Albania
- Armenia
- Azerbaijan
- Belarus
- Bosnia and Herzegovina
- Bulgaria
- Croatia
- Georgia
- Greece
- Kazakhstan
- Kyrgyzstan
- Montenegro
- North Macedonia
- Republic of Moldova
- Romania
- Serbia
- Tajikistan
- Türkiye
- Turkmenistan
- Ukraine
- Uzbekistan

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Immunization Regional Snapshot 2022

- European and Central Asia


Number of zero-dose (DTP1) and under-vaccinated (DTP3) children, 2000-2022

Note: Zero-dose children are defined as children lacking any dose of DTP.

Top 5 countries with the most zero-dose (DTP1) and under-vaccinated (DTP3) children

<table>
<thead>
<tr>
<th>Country</th>
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<th>2022</th>
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<td>Ukraine</td>
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<td>Uzbekistan</td>
<td>70K</td>
<td>72K</td>
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</tbody>
</table>

DTP3 performance 2019-2022

Percentage point change, 2019-2022

- Europe and Central Asia -1
- Albania 2
- Armenia 1
- Azerbaijan -11
- Belarus 0
- Bosnia and Herzegovina 2
- Bulgaria 2
- Croatia 2
- Georgia 9
- Greece 0
- Kazakhstan 2
- Kyrgyzstan 5
- Montenegro 5
- North Macedonia 8
- Republic of Moldova 3
- Romania 3
- Serbia 5
- Tajikistan 0
- Turkey 0
- Turkmenistan 1
- Ukraine 7
- Uzbekistan 3

MCV1 performance 2019-2022

Percentage point change, 2019-2022

- Europe and Central Asia -1
- Albania -9
- Armenia 0
- Azerbaijan -5
- Belarus 0
- Bosnia and Herzegovina -7
- Bulgaria -4
- Croatia -3
- Georgia -9
- Greece 0
- Kazakhstan 0
- Kyrgyzstan -2
- Montenegro 0
- North Macedonia -4
- Republic of Moldova -13
- Romania -7
- Serbia -6
- Tajikistan 0
- Turkey 0
- Turkmenistan -1
- Ukraine -19
- Uzbekistan 1

Regional vaccination coverage trends (%), 2000-2022

- DTP1
- DTP3
- IPV1
- Polio3
- MCV1
- MCV2
- PCV3
- Rota
Over 80 per cent of countries achieved at least 90% coverage for DTP1.

18 out of 21 countries in the region (excluding Kosovo) sustained the target coverage of 90% or above for DTP3 for the past four years.

In 2022, 4 per cent of children were zero-dose for DTP.

This equates to 174,000 children in the region not receiving a single dose of DTP.

DTP1 coverage and number of zero-dose children, 2022

Regional DTP1 coverage: 96%; Number unvaccinated for DTP: 174,000
### 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 who 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 who did not receive any DTP vaccine (not vaccinated for DTP1). It is also used as a proxy for “zero-dose”.

**Under-vaccinated:**
An infant who 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)
- Yellow Fever vaccine (YFV)
- Human Papillomavirus vaccine, last dose (HPV): vaccine to protect against certain types of human papillomavirus that can lead to cancer or genital warts

### Data sources


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