In 2018, 348,000 out of 4,291,000 surviving infants in the region did not receive the three recommended doses of DTP vaccine. More than 300,000 still not fully vaccinated.

In 2018, the regional coverage of MCV1 reached 95%, yet national coverage levels ranged widely from 58% to 99%.

Measles regional coverage reached the global target.

Ukraine, with an estimated 209,000 infants not vaccinated for DTP3, accounted for 60 per cent of the total EECA un- and under-vaccinated surviving infants.

Coverage and number of infants not vaccinated for DTP3 by country, 2018

Country with dark blue color, Ukraine, has lowest coverage levels and highest number of infants not vaccinated for DTP3. Kyrgyzstan, Tajikistan, Turkey, and Uzbekistan, with sky blue color, have achieved greater than 90% coverage for at least the past 3 years. Albania, Croatia, Greece, North Macedonia, Republic of Moldova, and Turkmenistan have high DTP3 vaccination coverage and small numbers of unvaccinated infants.

Note: This map is not to scale. It does not reflect a position by UNICEF on the legal status of any country or area or the delimitation of any frontiers. Please find more information on how to interpret the map on page 3.
Number of infants in the region not vaccinated for DTP1 (un-vaccinated) and DTP3 (under-vaccinated), 2000-2018

Top 5 countries with the most infants not vaccinated for DTP1 (un-vaccinated) and DTP3 (under-vaccinated), 2016-2018

DTP3 coverage change from 2017 to 2018, by country

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.

**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 group of countries with the most number of under-vaccinated infants within the region.
- Less than 80% coverage and ranked in the middle group of countries in terms of 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.
- Greater than or equal to 90% 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.
- 80% to 89% 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 2017 to 2018 scatter plot** shows the change in DTP3 coverage between 2017 and 2018. 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.

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**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:

- **Operational level funding**
  - Assurance that sufficient and adequately appropriated funds reach the operational level of the programme regularly

- **Strategic and operational plans**
  - Strategic multiyear plans and operational annual plans outlining and coordinating strategies and activities, monitored quarterly

- **Strategies to reach**
  - Tailored strategies that identify undervaccinated and unvaccinated persons and regularly provide them with the vaccines they need

- **Vaccinator and manager skills**
  - Regular and systematic capacity building, skills development and supportive supervision for vaccinators and district managers

- **Modern vaccine supply chain**
  - Modernized vaccine supply chains and management to ensure the correct amounts of the right potent vaccines are available at each vaccination session

- **Accurate information system**
  - An information system that identifies and tracks each person’s vaccination status

- **Life course vaccination**
  - Expanded routine immunization schedules that cover people’s entire lives

- **Community support**
  - Shared responsibility for immunization delivery between communities and the immunization programme to reach uniformly high coverage through high demand and quality services

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