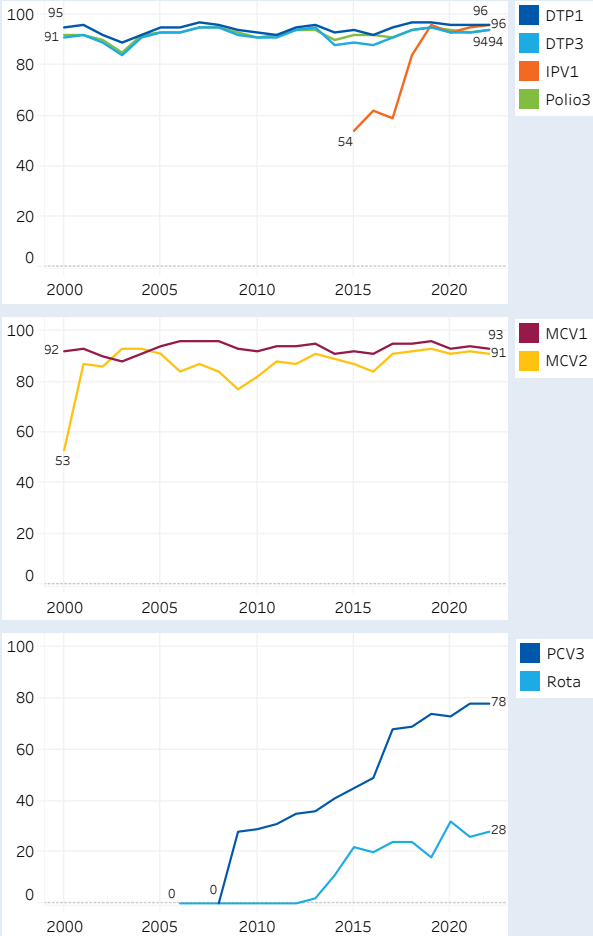


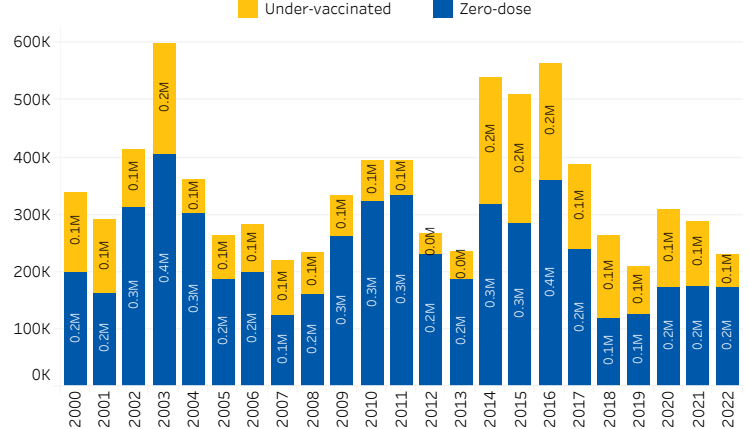


Source: WHO/UNICEF estimates of national immunization coverage, 2022 revision.

Regional vaccination coverage trends (%), 2000-2022

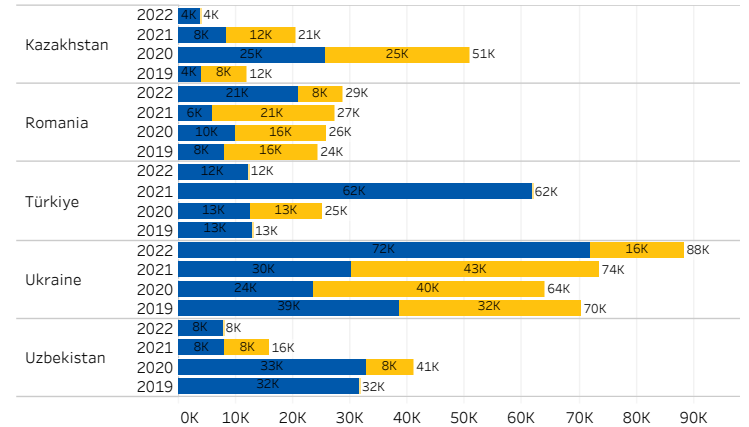


Number of zero-dose (DTP1) and under-vaccinated (DTP3) children, 2000-2022



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

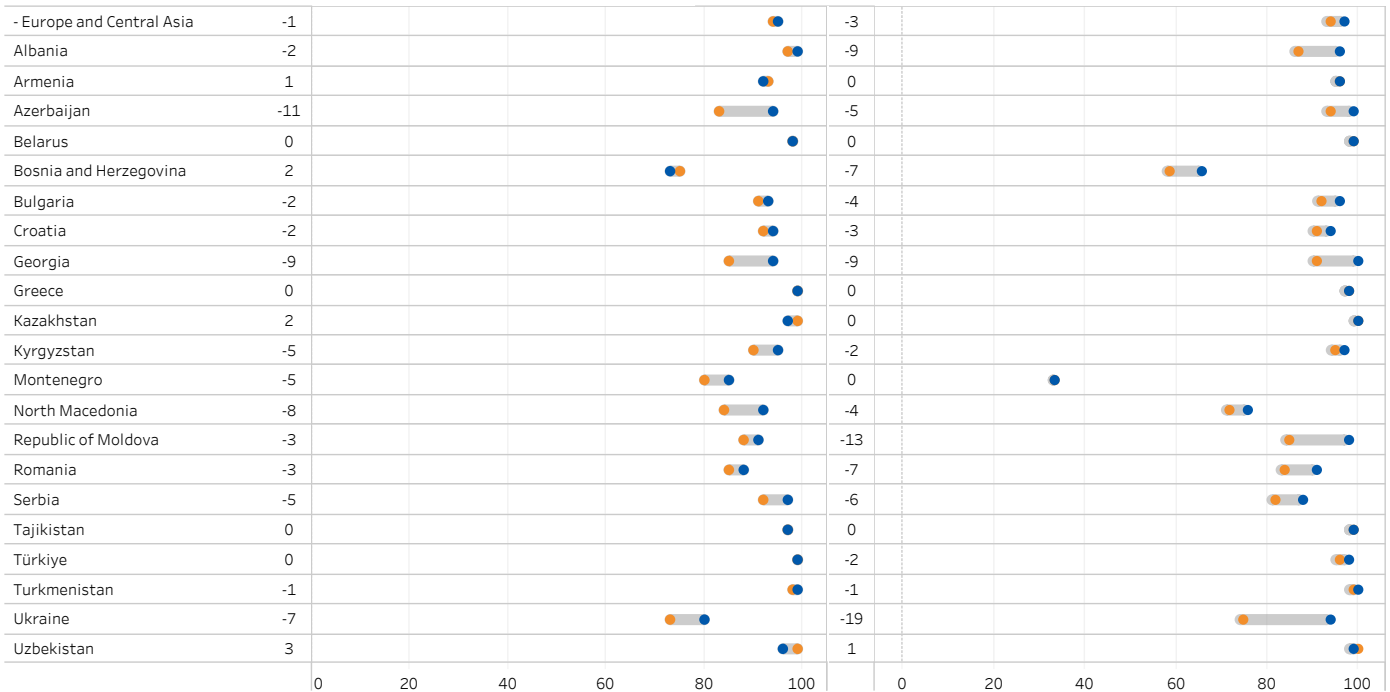
Top 5 countries with the most zero-dose (DTP1) and under-vaccinated (DTP3) children



DTP3 performance 2019-2022

Percentage point change, 2019-2022

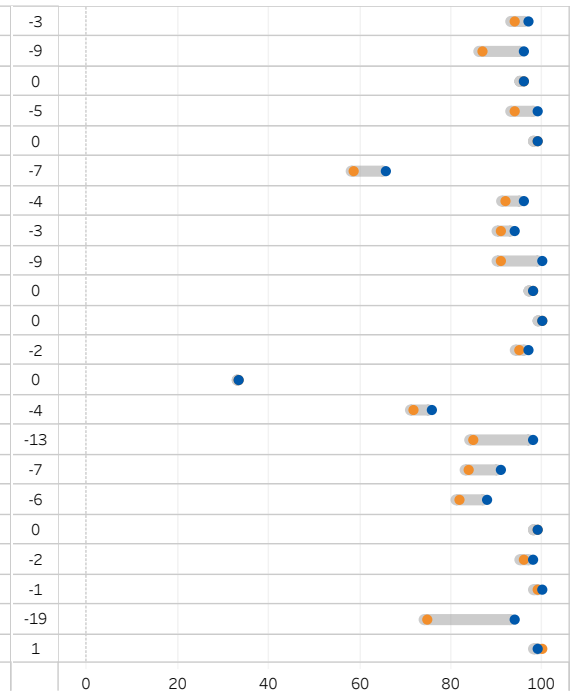
2019 2022



MCV1 performance 2019-2022

Percentage point change, 2019-2022

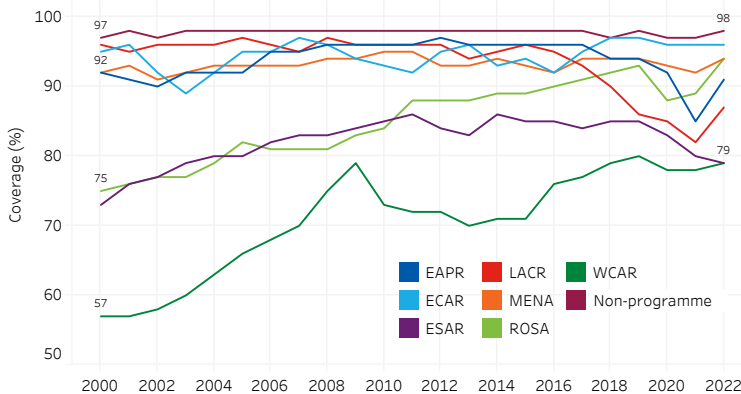
2019 2022





Source: WHO/UNICEF estimates of national immunization coverage, 2022 revision.

Global and regional coverage of DTP1 (%), 2000-2022



Over 80 per cent of countries achieved at least 90% coverage for DTP1

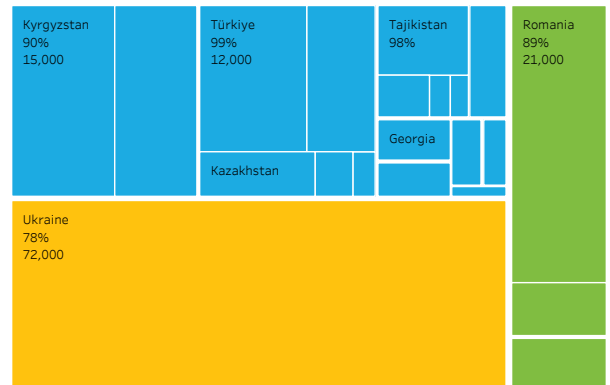
18 out of 21 countries in the region (excluding Kosovo) sustained the target coverage of 90% or above for DTP3 for the past four years

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

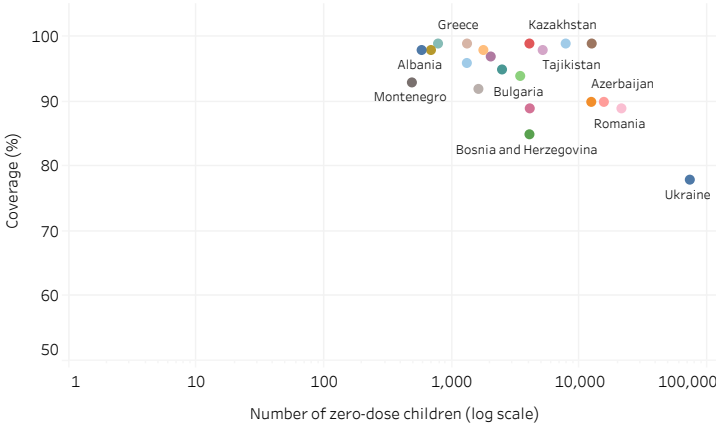
DTP1 coverage and number of zero-dose children, 2022

Regional DTP1 coverage: 96%; Number unvaccinated for DTP: 174,000



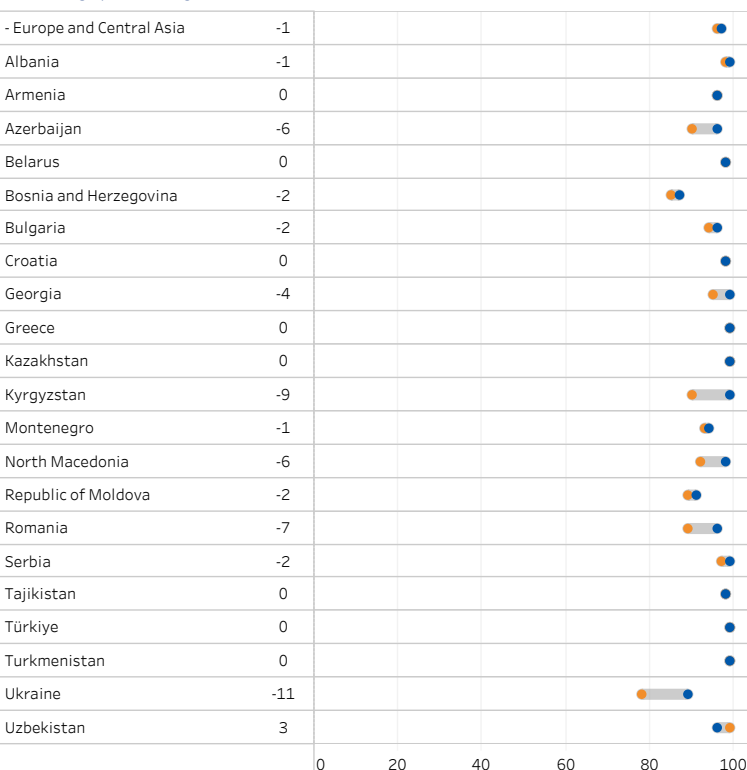
■ 50-79% ■ 80-89% ■ ≥90%

DTP1 coverage and number of zero-dose children, 2022



DTP1 performance 2019-2022

Percentage point change, 2019-2022



Country	DTP1 coverage (%)	# of zero-dose children
- Europe and Central Asia	96	174,000
Albania	98	<1,000
Armenia	96	1,000
Azerbaijan	90	12,000
Belarus	98	2,000
Bosnia and Herzegovina	85	4,000
Bulgaria	94	3,000
Croatia	98	<1,000
Georgia	95	2,000
Greece	99	<1,000
Kazakhstan	99	4,000
Kyrgyzstan	90	15,000
Montenegro	93	<500
North Macedonia	92	2,000
Republic of Moldova	89	4,000
Romania	89	21,000
Serbia	97	2,000
Tajikistan	98	5,000
Türkiye	99	12,000
Turkmenistan	99	1,000
Ukraine	78	72,000
Uzbekistan	99	8,000



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

- WHO/UNICEF estimates of national immunization coverage, 2022 revision.
- United Nations, Department of Economic and Social Affairs, Population Division (2022). World Population Prospects 2022.

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