



Sudan

WUENIC 2025 revision,
Published 15 July 2026



WHO/UNICEF Estimates of National Immunization Coverage (WUENIC), 2025 revision

Every year, WHO and UNICEF jointly review submissions from Member States on national immunization coverage, including annual administrative and official coverage, finalized survey reports and data from both published and grey literature. The data is triangulated with consideration of potential biases and local expert opinions to differentiate between accurately reflective empirical data and potentially misleading data, to assess the most likely coverage levels for each country.

WHO and UNICEF produce country-specific estimates by reviewing each country's data independently, without borrowing from other countries when data are missing. The estimates are not ad hoc adjustments to reported figures and may rely on a single empirical source, typically nationally reported coverage. When no data exist for a specific country-vaccine-year, earlier and later data are interpolated. If sources conflict or vary widely, the most plausible estimate is selected after considering potential biases.

This slide deck presents the latest WUENIC estimates (published 15 July 2026), using UNPD World Population Prospects (WPP 2024) for population-weighted averages and to derive absolute numbers of vaccinated and unvaccinated/zero-dose children.

Methods: • [Burton et al. 2009. WHO and UNICEF estimates of national infant immunization coverage: methods and processes.](#)

- [Burton et al. 2012. A formal representation of the WHO and UNICEF estimates of national immunization coverage: a computational logic approach.](#)
- [Brown et al. 2013. An introduction to the grade of confidence used to characterize uncertainty around the WHO and UNICEF estimates of national immunization coverage.](#)
- [Danovaro-Holliday et al. 2021. Compliance of WUENIC with Guidelines for Accurate and Transparent Health Estimates Reporting \(GATHER\) criteria.](#)

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.

Unvaccinated

An infant that did not receive the first dose of a vaccine series. The term zero-dose is used to describe children unvaccinated with DTP1.

Under-vaccinated

An infant who received some but not all the recommended vaccine-doses in the national schedule.

Vaccine-Doses

- Bacillus Calmette-Guerin (BCG): vaccine against tuberculosis
- Hepatitis B birth dose, given within 24 hours after birth (HepBB)
- 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)
- Inactivated polio vaccine, first dose (IPV1) and last dose (IPVC)
- Measles containing vaccine, first dose (MCV1) and second dose (MCV2)
- Rotavirus vaccine, last dose (RotaC)
- Pneumococcal vaccine, last dose (PCVC)
- Yellow Fever vaccine (YFV)
- Meningococcal A vaccine (MengA)
- Human papillomavirus vaccine, first dose (HPV1) and last dose (HPVc): vaccine to protect against certain types of human papillomavirus that can lead to cancer or genital warts

The Immunization Agenda 2030 (IA2030)

The IA2030 is a global strategy endorsed by the World Health Assembly aiming to ensure everyone, everywhere, at every age benefits from vaccines for improved health and well-being by 2030. It focuses on increasing vaccine coverage, equity, sustainability and pandemic preparedness while promoting life-course immunization and integrating immunization with other health services.

Key concepts

- The World Health Organization (WHO) provides global vaccine recommendations, which are adapted by countries based on local needs. Only DTP, polio and measles-containing vaccines are used in all countries.
- DTP1 is a marker of access to routine immunization services, and when not received, serves as a proxy for identifying children who have not received any vaccinations, also known as "zero-dose" children. High DTP1 coverage indicates good access to immunization services, while low coverage suggests challenges in reaching children with essential vaccines.
- DTP3 is a widely used indicator of immunization programme performance. It reflects a country's ability to deliver routine immunization services and ensures children are protected against serious disease. DTP3 is tracked globally and serves as a key measure of a nation's vaccination efforts.
- DTP1-DTP3 drop-out measures the percentage of children who received DTP1 but not DTP3, and highlights where children are lost along the vaccination pathway, highlighting potential weaknesses in service delivery and follow-up.
- MCV1 (usually recommended between 9-12 months) assesses the ability to deliver vaccines later in infancy. It serves as a tracer for protection against measles and is a good indicator of health system performance.
- HPV vaccine protects against specific types of human papilloma virus (HPV), and is used to measure life cycle vaccination.
- Other key indicators include PCVC and MCV2, which are used to monitor the Sustainable Development Goals (SDGs).
- Together, these indicators provide a consistent and comparable way to track immunization progress, identify missed communities and monitor global targets, including those under the Immunization Agenda 2030 (IA2030) and Sustainable Development Goals (SDGs).

Key messages

- DTP1 coverage increased 35 percentage points from 48% in 2024 to 83% in 2025.
- DTP3 coverage increased 32 percentage points from 39% in 2024 to 71% in 2025.
- There were 565,000 fewer zero-dose children in 2025. This leaves 273,000 children without vaccination, vulnerable to vaccine-preventable diseases and a further 193,000 with incomplete protection.
- Sudan accounted for 21.6% of zero-dose children in Middle East and North Africa (MENA) and 2% of zero-dose children globally.
- MCV1 coverage increased 22 percentage points from 46% in 2024 to 68% in 2025. There were 514,000 children who missed out on the first measles vaccination.
- MCV2 coverage increased 20 percentage points from 36% in 2024 to 56% in 2025.
- The Human papillomavirus (HPV) vaccine was not introduced.

Vaccination schedule, 2025

Level	Vaccine	Dose number and age administered			
		1	2	3	4
National	BCG	Birth			
National	DTWPHIBHEPB	6 weeks	10 weeks	14 weeks	
National	IPV	6 weeks		14 weeks	
Subnational	MALARIA	5 months	6 months	7 months	18 months
National	MEASLES	9 months	18 months		
National	MenA	9 months			
Subnational	MR	9 months	18 months		
National	OPV	6 weeks	10 weeks	14 weeks	
National	PCV	6 weeks	10 weeks	14 weeks	
National	Rotavirus	6 weeks	10 weeks	14 weeks	
National	YF	9 months			

This table shows the 2025 national immunization schedule for routine services in Sudan, reported through the WHO/UNICEF Joint Reporting Form on Immunization (JRF).

Each row corresponds to a vaccine or combination vaccine, indicating whether it is delivered at the national or subnational level. The schedule outlines the number of doses and the recommended ages for administration. Only childhood and adolescent vaccines relevant to WUENIC are included.

Vaccine introduction years

Vaccine	National introduction	Partial introduction
HPV (Human papillomavirus) vaccine	Not introduced	
HepB birth dose	Not introduced	
Hepatitis B vaccine	2004	
Hib (Haemophilus influenzae type B) vaccine	2008	
IPV (Inactivated polio vaccine)	2015	
IPV (Inactivated polio vaccine) 2nd dose	2021	
Malaria vaccine	Not introduced	2024
Measles-containing vaccine 2nd dose	2012	
Meningococcal meningitis vaccines (any strain)	2016	
Mumps vaccine	Not introduced	
PCV (Pneumococcal conjugate vaccine)	2013	
RSV (Respiratory syncytial virus) immunization strategy	Not introduced	
Rotavirus vaccine	2011	
Rubella vaccine	Not introduced	2024
Typhoid conjugate vaccine	Not introduced	

This table displays the year each vaccine was introduced in Sudan. If a vaccine has been suspended, no introduction year is shown, but if it was suspended and later reintroduced, the year of reintroduction is provided. The introduction years can reflect nationwide rollout, partial (subnational) rollout, or introduction targeted to specific risk groups or high-risk areas, as indicated in the column headers.

Vaccine stockouts

Vaccines / supplies	2024
BCG	Subnational
IPV	Subnational
MCV	Subnational
MenA	Subnational
OPV	Subnational
PCV	Subnational
Rotavirus	Subnational

This table presents reported vaccine stockouts of childhood vaccines relevant to WUENIC at the national and subnational levels over the last 5 years (2021 to 2025). Where available, the duration of national-level stockouts is indicated in months. Subnational stockouts are noted without specifying duration. Only vaccines that had a stockout during the specified time period are displayed.

A stockout refers to a period when vaccine storage and distribution points (e.g., national or district stores) are fully depleted, including buffer stock, and are unable to supply vaccines to lower-level stores or facilities. It is important to note that facility-level stockouts can still occur even when upper-level stores have inventory. Stockouts, especially prolonged ones, can negatively impact immunization coverage.

In 2025, coverage increased for 13 antigens, remained unchanged for none, and declined for one, indicating overall progress in routine immunization performance; none achieved at least 90% coverage.

Vaccine coverage, Sudan, 2000-2025

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
BCG	56	67	65	69	66*	72*	77*	83*	88*	82*	90*	92	92	93	95	88	96	97	88	92*	92*	80	81	49	49*	74
DTP1	75	79	75	83	82*	88	91*	95	96	92	99*	99	99	99	99	98	99	99	99*	99*	98*	93	93	57	48	83
DTP3	62	66	60	69	74*	78	78*	84	86	81	90*	93	92	93	94	93	93	95	93*	93*	90*	84	84	51	39	71
Hib3									78*	72*	75*	93	92	93	94	93	93	95	93*	93*	89*	84	84	51	39	71
HepB3						22*	60*	78*	78	72	75*	93	92	93	94	93	93	95	93*	93*	90*	84	84	51	39	71
PCVC														30	97	93	93	95	93	93	90	85	83	52	40	74
RotaC												27	75	80	86	84	90	95	94*	94*	92*	84	60	39	37*	65
IPV1																69	64	0*	84*	91*	90	94	93	58	50*	81
IPVC																						36	78	50	41	72
MCV1	58	58	58	65	67*	69*	73	79*	79*	82*	90*	87	85	85	86	87	87	90	88	90*	86*	81	80	51	46*	68
RCV1																									46	42
MCV2													24	57	61	69	69	72	72	74*	68*	63	63	38	36*	56
YFV																						39	78	50	45	70
MengA																	41	82	84	86	84	80	76	51	46*	72



Source: WHO/UNICEF Estimates of National Immunization Coverage, 2025 revision.
Note: Stock information available from 2003.
An asterisk (*) indicates where there was a vaccine stockout at the national or subnational level.

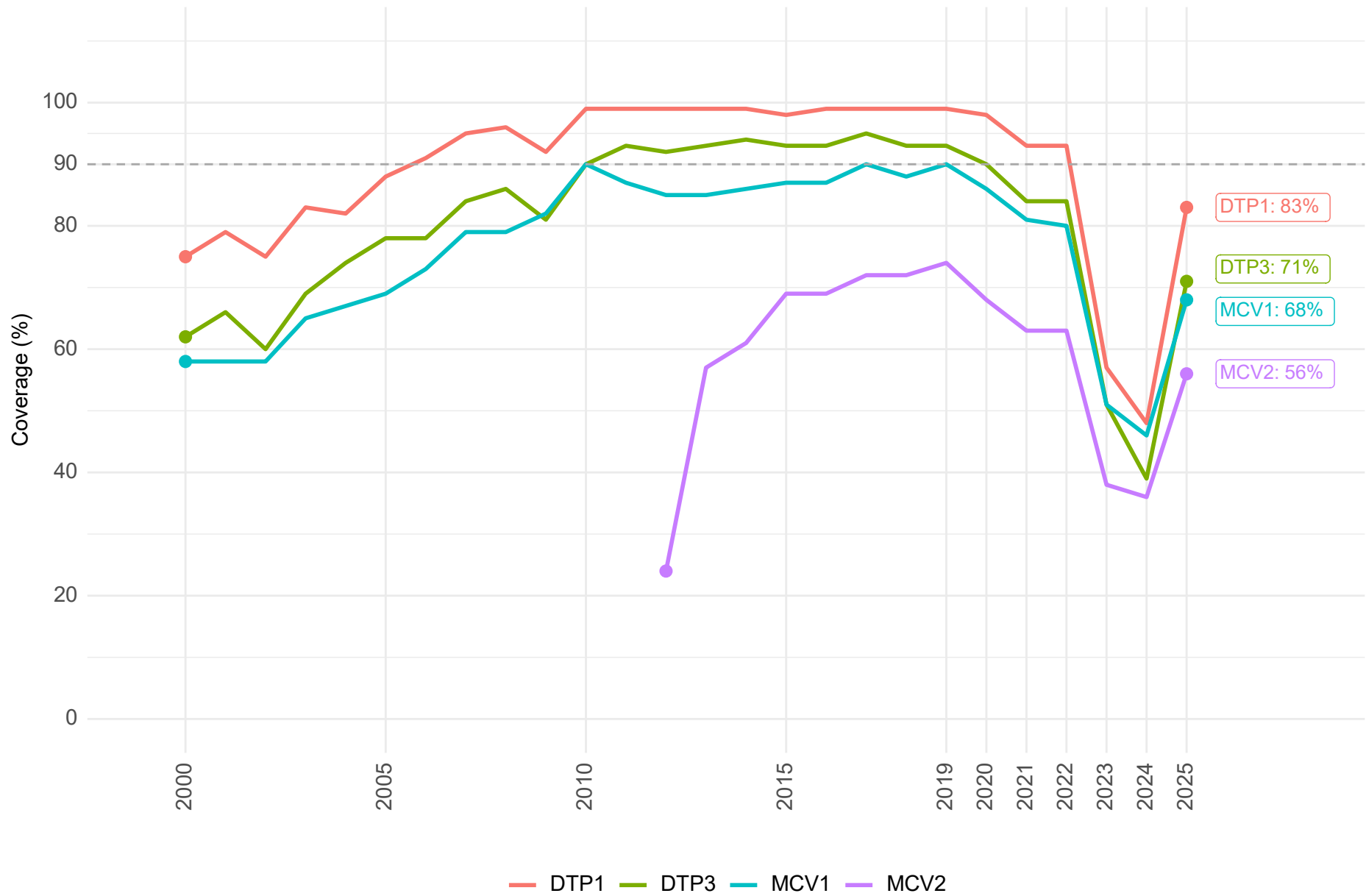
This heatmap shows trends in vaccine coverage since 2000, with green cells indicating coverage of 90% or more.

In 2025, none of the 14 vaccines in the schedule achieved coverage of 90% or more. Vaccine coverage ranged from 42% to 83%.

Since 2005, estimates have been made for 10 new vaccines. RCV1 is the newest vaccine reported (2024), which achieved 42% coverage in 2025.

In 2025, Sudan did not report any stockouts of vaccines or supplies.

Coverage of key childhood vaccines (%), Sudan, 2000-2025



This chart shows coverage trends for the DTP and measles vaccines. These are key antigens for assessing national immunization programmes.

In 2025, DTP1 coverage (a proxy for access to immunization services) was 68%.

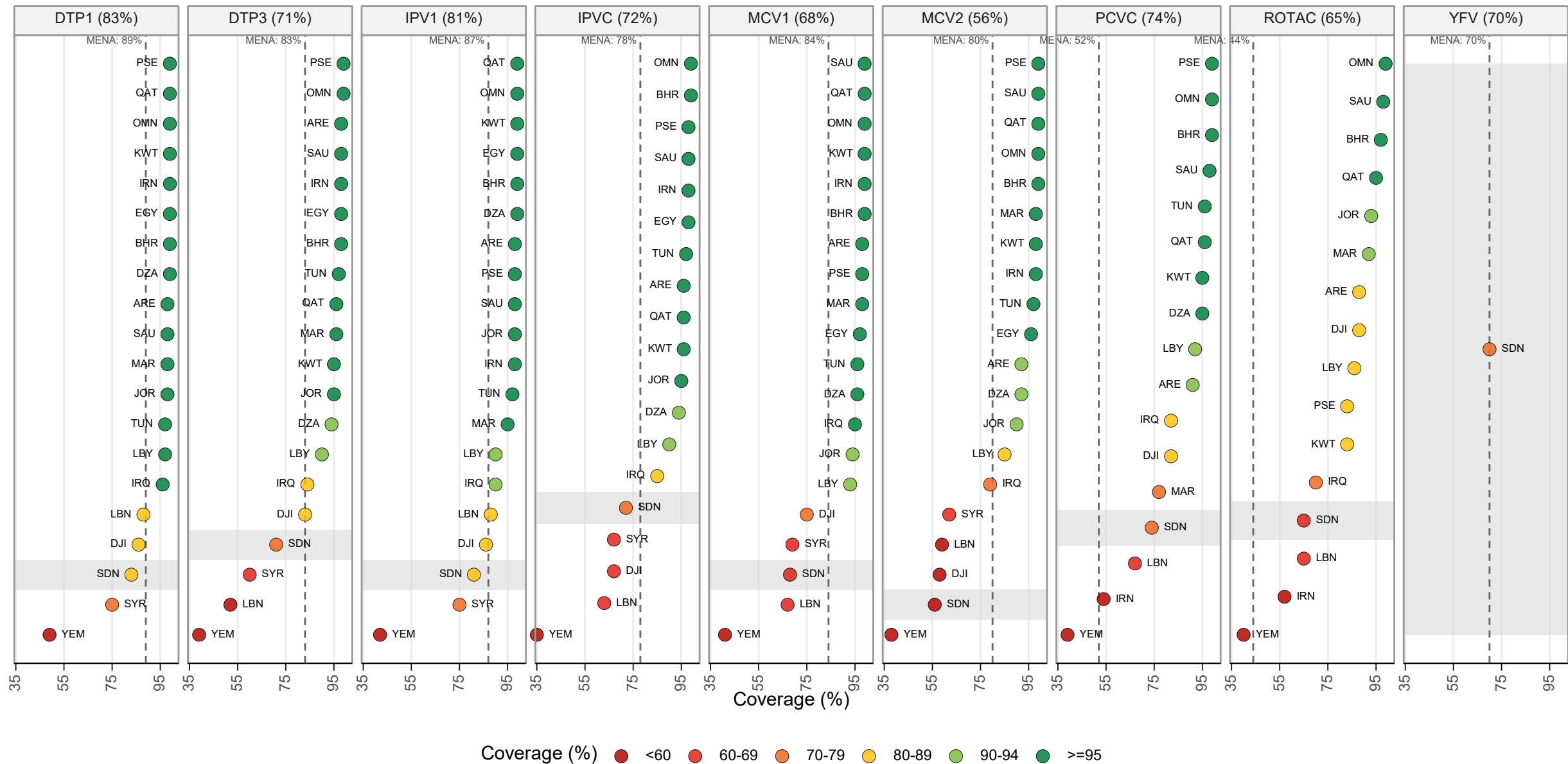
DTP3 coverage - a marker of how well countries are delivering immunization services to children - was below the 90% target set for 2030.

WHO recommends that countries achieve at least 95% coverage with both the first (MCV1) and second (MCV2) doses of measles-containing vaccine. MCV1 provides initial protection and MCV2 ensures long-term immunity and closes gaps in coverage.

In 2025, MCV1 coverage was below the 95% target and MCV2 coverage was below the 95% target.

Between 2024 and 2025, 4 vaccines increased coverage, 0 declined and 0 remained the same.

Vaccine coverage compared with other countries in the region, MENA, 2025



Source: WHO/UNICEF Estimates of National Immunization Coverage, 2025 revision
Note: Country ISO codes displayed. Coverage in sdn shown in the headers. Regional average coverage shown by the dashed line.

DTP1

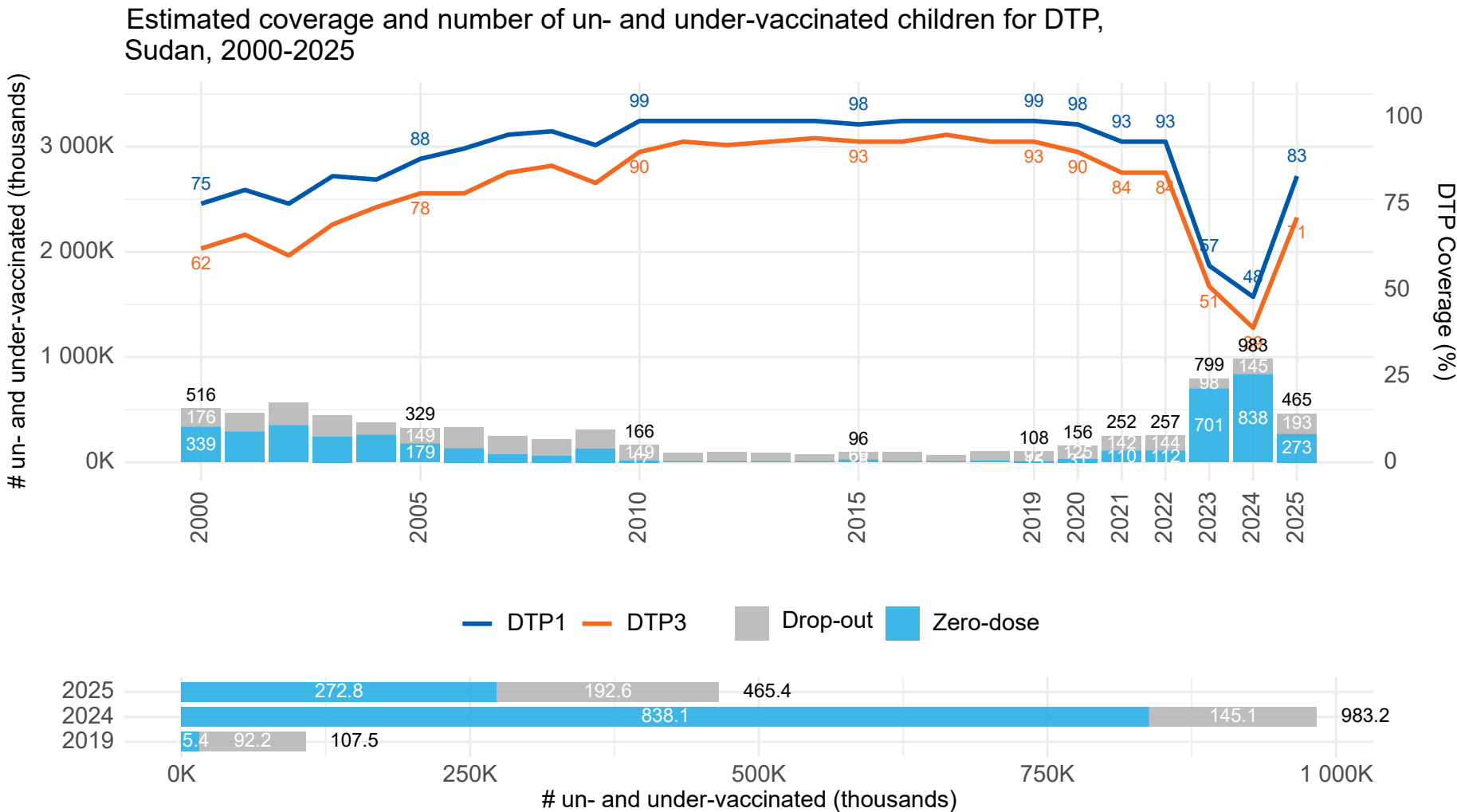
In 2025, DTP1 coverage was 83% and DTP3 was 71%, leaving 465,000 children un- or under-vaccinated, including 273,000 zero-dose and 193,000 with only partial protection.

The key goal of the Immunization Agenda 2030 is to make vaccination available to everyone, everywhere, by 2030.

This chart shows diphtheria, tetanus and pertussis-containing vaccine first (DTP1) and third dose (DTP3) coverage trends, the number of zero-dose children and DTP drop-out in Sudan.

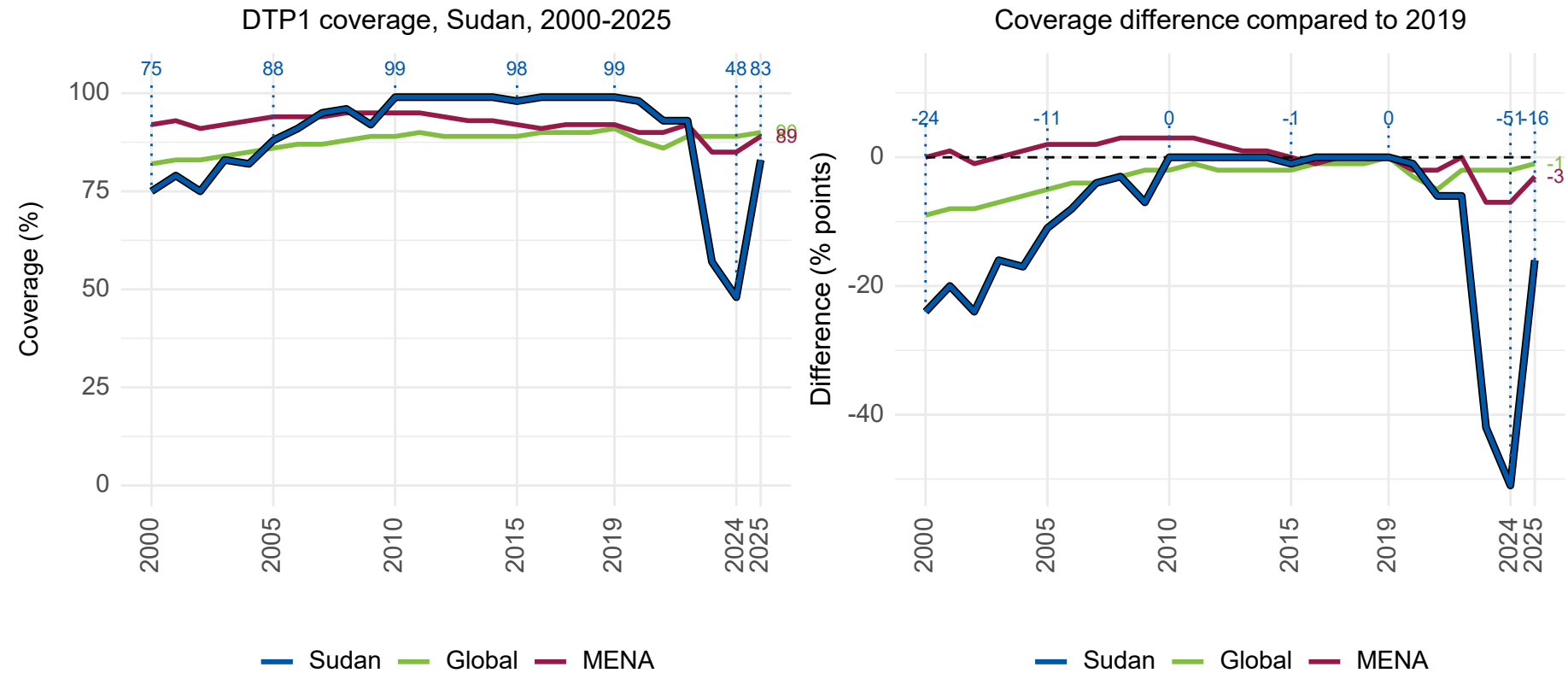
In 2025, DTP1 coverage in Sudan increased to 83%. The number of children missing out on any DTP vaccination (zero-dose children) improved from 838,000 in 2024 to 273,000 in 2025.

DTP3 coverage increased to 71% in 2025, leaving 465,000 children vulnerable to vaccine-preventable diseases.



Source: WHO/UNICEF Estimates of National Immunization Coverage, 2025 revision
Note: Lines show vaccine coverage and bars show number of children.
Zero-dose children are those who did not receive DTP1.

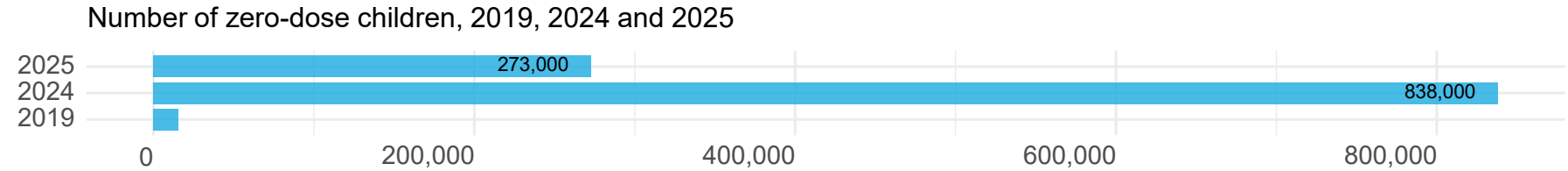
In 2025, Sudan DTP1 coverage was 83% - this is 16 percentage points lower than in 2019 and lower than both the global and regional averages.



In 2025, DTP1 coverage in Sudan (83%) was 7 percentage points lower than the global average (90%) and 6 percentage points lower than the average across all MENA countries (89%).

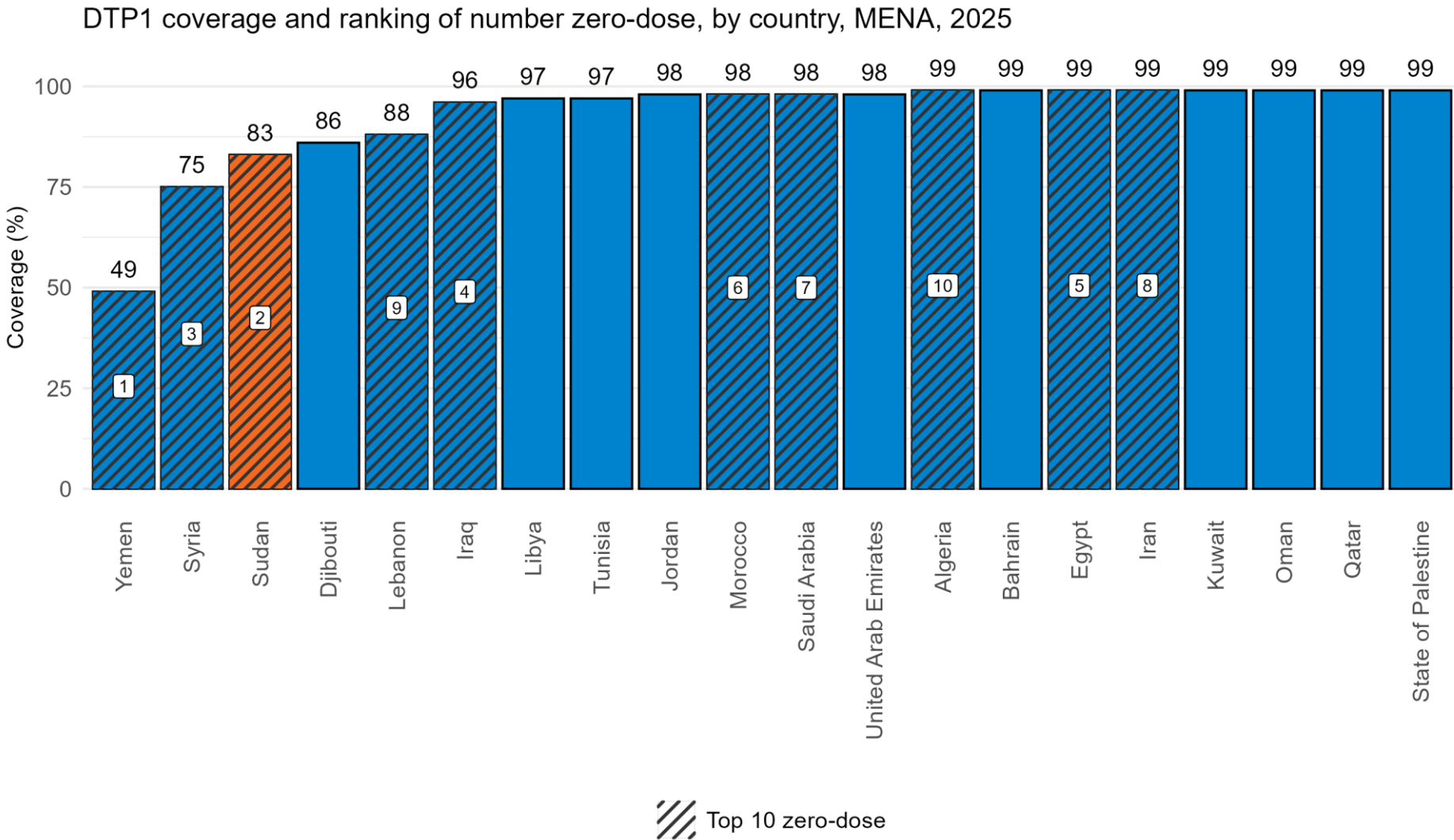
National DTP1 coverage was 16 percentage points lower than in 2019 (99%).

This equates to 273,000 zero-dose children in 2025 compared to 15,000 zero-dose children in 2019.



Source: WHO/UNICEF Estimates of National Immunization Coverage, 2025 revision
Note: Coverage difference compared to 2019 - values above zero indicate coverage higher than in 2019 and values below zero indicate coverage lower than in 2019

In 2025, Sudan was among the countries with the lowest coverage and was in the top 3 countries with the highest number of zero-dose children in the region, highlighting it as a country requiring support.



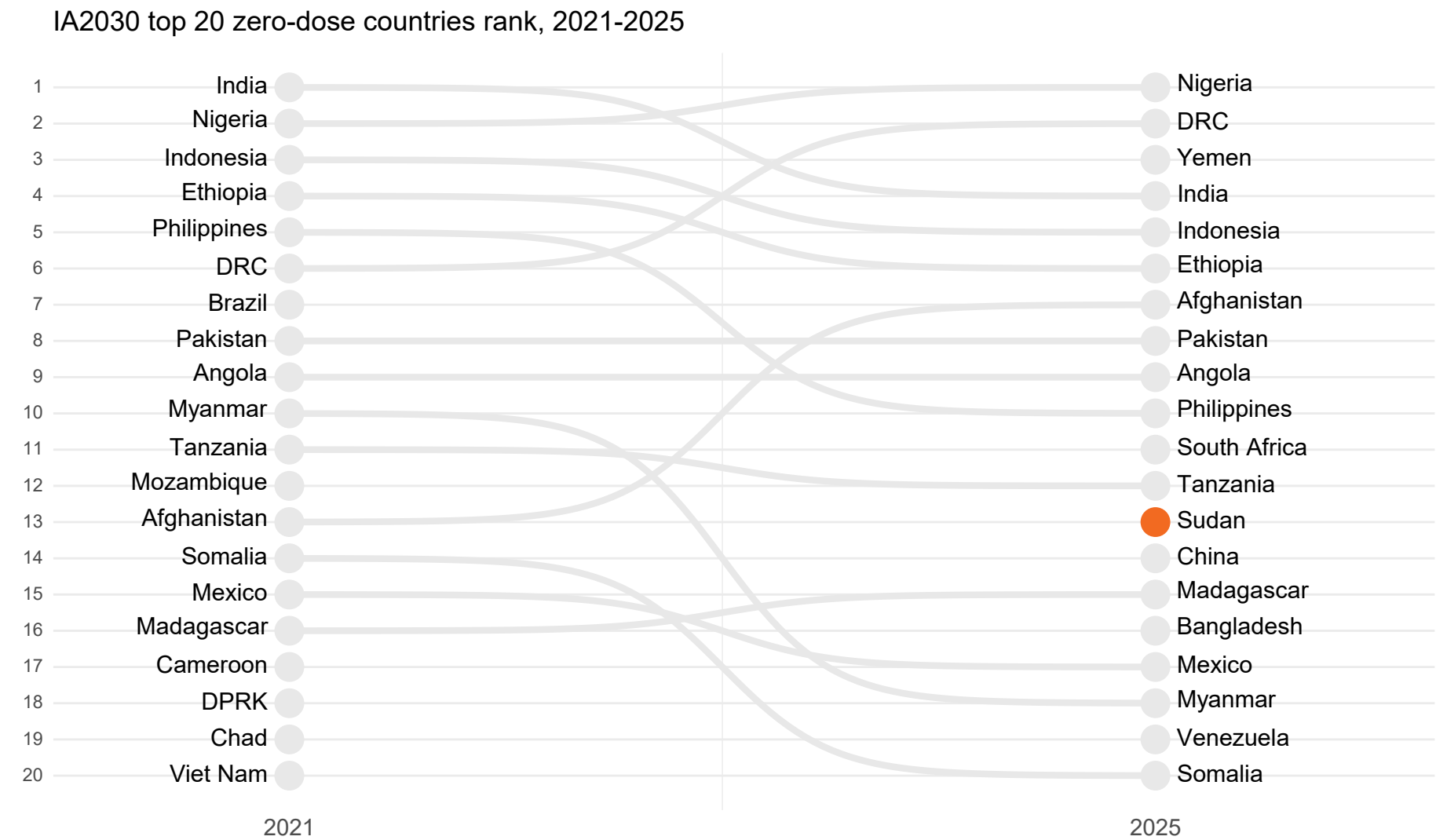
This chart shows DTP1 coverage in countries in MENA from lowest to highest coverage, and the rank of the top 10 countries with the most zero-dose children, based on absolute numbers.

In 2025, Sudan ranked number 3 out of 20 countries for lowest DTP1 coverage (based on tied ranks).

Sudan was in the top 10 countries with the most zero-dose children (rank=2).

Note: Large cohort countries may have high numbers of zero-dose children despite high vaccine coverage. It is important to consider both coverage and absolute numbers of unvaccinated children to ensure vulnerable countries with small birth cohorts are not overlooked.

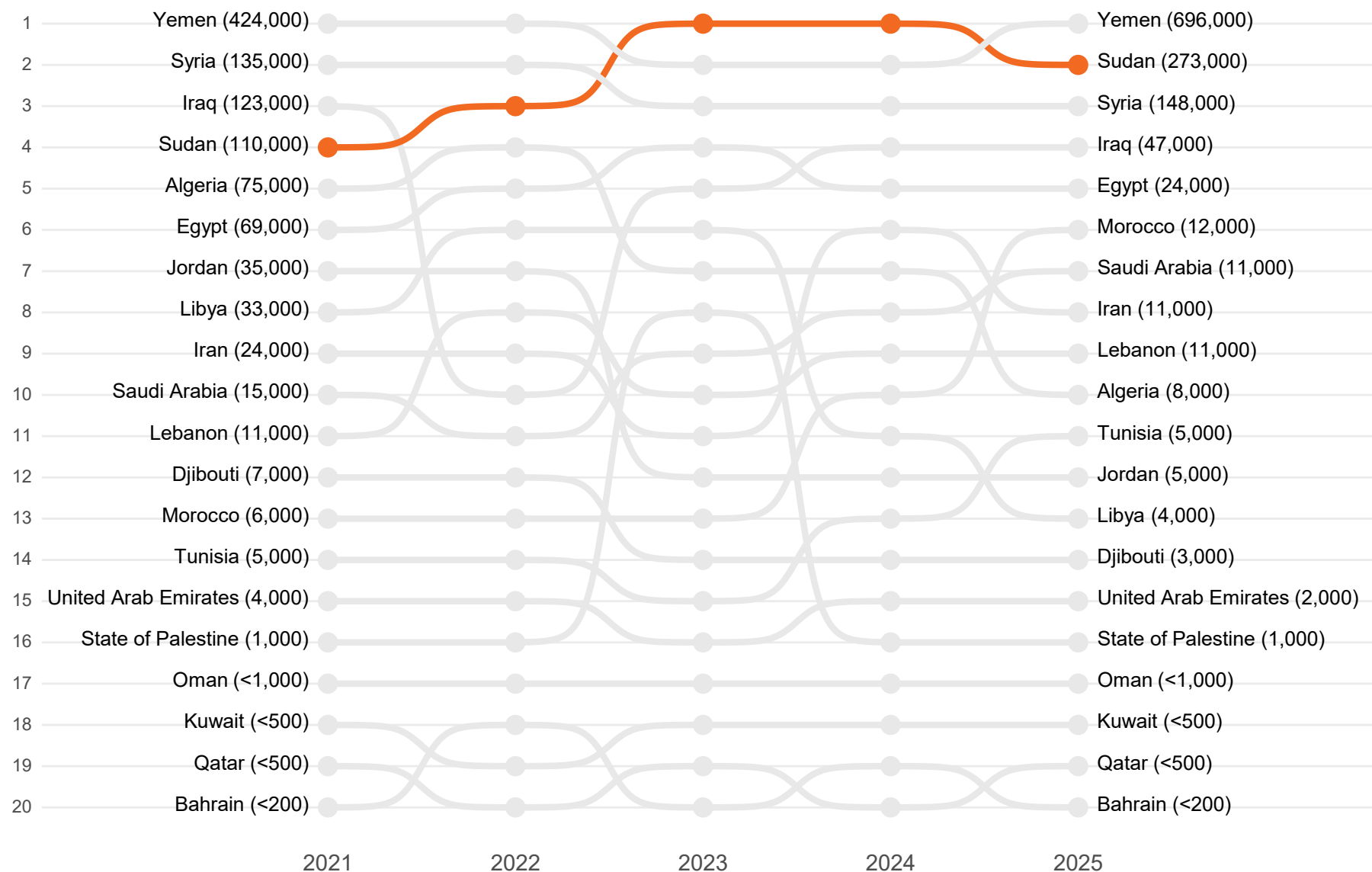
Sudan was not in the top 20 zero-dose countries globally in 2021 but was in 2025.



20 countries were prioritised in the context of the Immunization Agenda 2030 (IA2030), based on their number of zero-dose children in 2021. This chart compares the ranking of the top 20 countries in 2021 and 2025. Rank 1 indicates the country with the highest absolute number of zero-dose children.

Sudan was not in the top 20 zero-dose countries globally in 2021 but was in 2025.

Countries ranked by number of zero-dose children, MENA, 2021-2025



Source: WHO/UNICEF Estimates of National Immunization Coverage, 2025 revision
 Note: Number in parentheses is the number of zero-dose children.

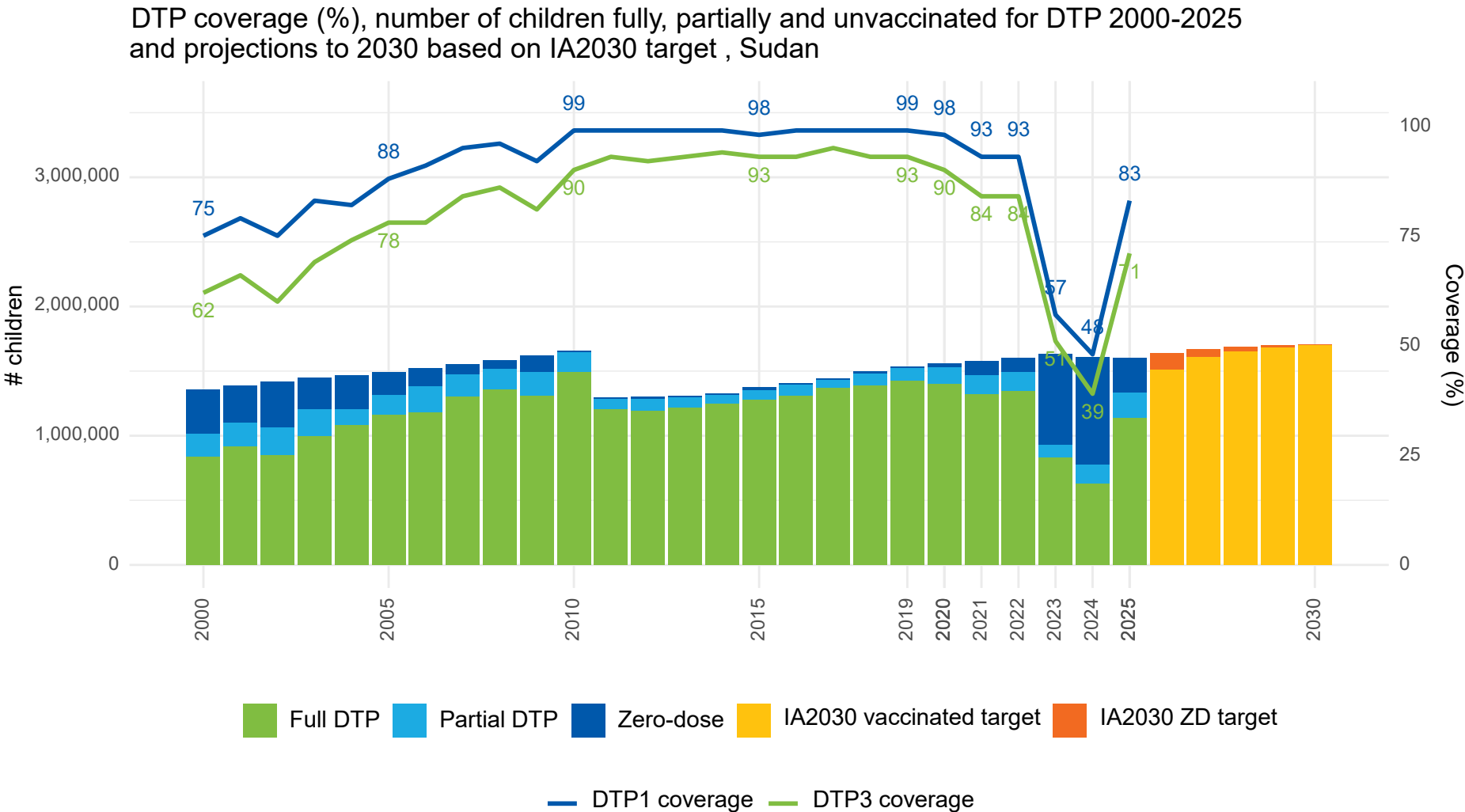
This chart compares the ranking of countries in the region based on the absolute number of zero-dose children, with rank 1 representing the country with the most zero-dose children.

In 2021, Sudan ranked number 4 out of 20 countries with 110,000 zero-dose children.

In 2025, Sudan ranked number 2 out of 20 countries with 273,000 zero-dose children.

Note: Absolute numbers of zero-dose children is based on a combination of programme performance and surviving infant target population size. Countries may climb to a higher rank despite a decline in number of zero-dose children as the ranking also depends on performance of other countries in the region.

More children need to be vaccinated each year to achieve the IA2030 goal of halving the number of zero-dose children by 2030, with a projected large increase in surviving infants.



Sources: WHO/UNICEF Estimates of National Immunization Coverage, 2025 revision; United Nations, Department of Economic and Social Affairs, Population Division (2024). World Population Prospects 2024, Online Edition. Note: The Immunization Agenda 2030 (IA2030) calls on all countries to reduce the number of zero dose children in 2019 by half by 2030.

IA2030 calls on all countries to reduce the number of zero dose children in 2019 by half by 2030. This chart shows the annual number of children required to be vaccinated to reach the ZD target.

IA2030 calls on all countries to reduce the number of zero dose children in 2019 by half by 2030. This chart shows the annual number of children required to be vaccinated to reach the ZD target.

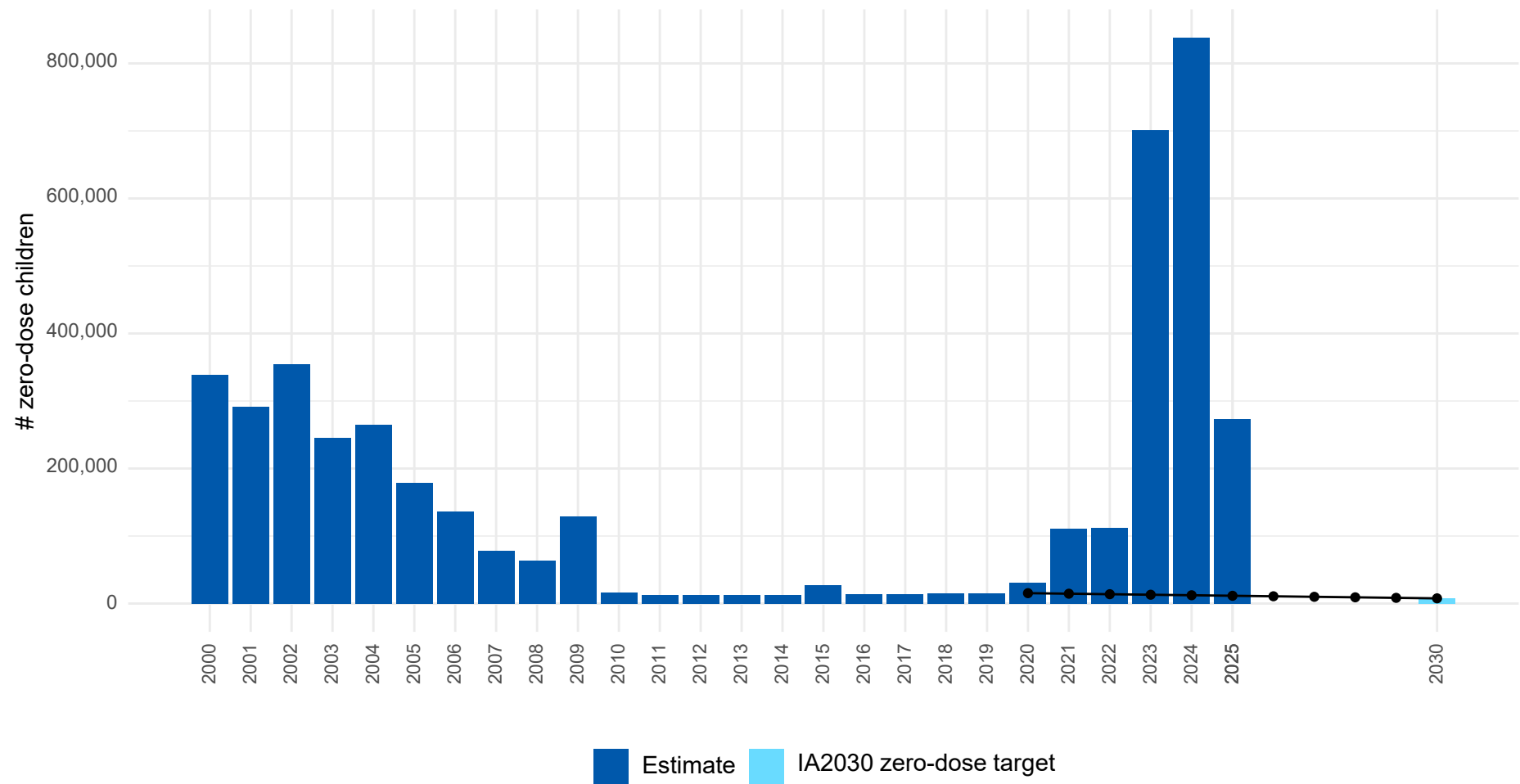
Sudan is projected to have a large increase ($\geq 50,000$) in the number of surviving infants by 2030. Maintaining current coverage requires vaccinating an increasing number of children.

To achieve the IA2030 ZD target, more (~4.98%) children need to be vaccinated with DTP1 each year.

To improve coverage and reach the 2030 ZD target will require substantial increases in immunization programme and health system capacity.

In 2025, the number of zero-dose children was 2268% above the annual IA2030 goal, putting the 2030 goal at serious risk without accelerated action.

Estimated number of zero-dose children, 2000-2025 and target by 2030, Sudan



Source: WHO/UNICEF Estimates of National Immunization Coverage, 2025 revision

Note: The Immunization Agenda 2030 (IA2030) calls on all countries to reduce the number of zero dose children in 2019 by half by 2030. Dark blue bars are the estimated number of zero-dose children in 2000-2025, light blue bar is the target number of zero-dose children by 2030. The line and points show the yearly progress and trajectory to meet the target by 2030, based on a linear decline.

IA2030 aims to leave no one behind with immunization and calls on all countries to reduce the number of zero dose children by half by 2030.

- This chart shows:
- Estimated number of zero-dose children in 2000-2025 (dark blue bars)
 - Zero-dose target by 2030 (light blue bar)
 - Trajectory to reach the 2030 target based on a linear decline (points)

In 2025, the number of zero-dose children was approximately 2268% higher than the annual number proposed to reach the target, based on a linear trajectory of decline.

For vaccine coverage to increase, the number of children vaccinated must increase at a faster rate than the population increases.

DTP1 coverage in 2025 (83%) was lower than in 2019 (99%).

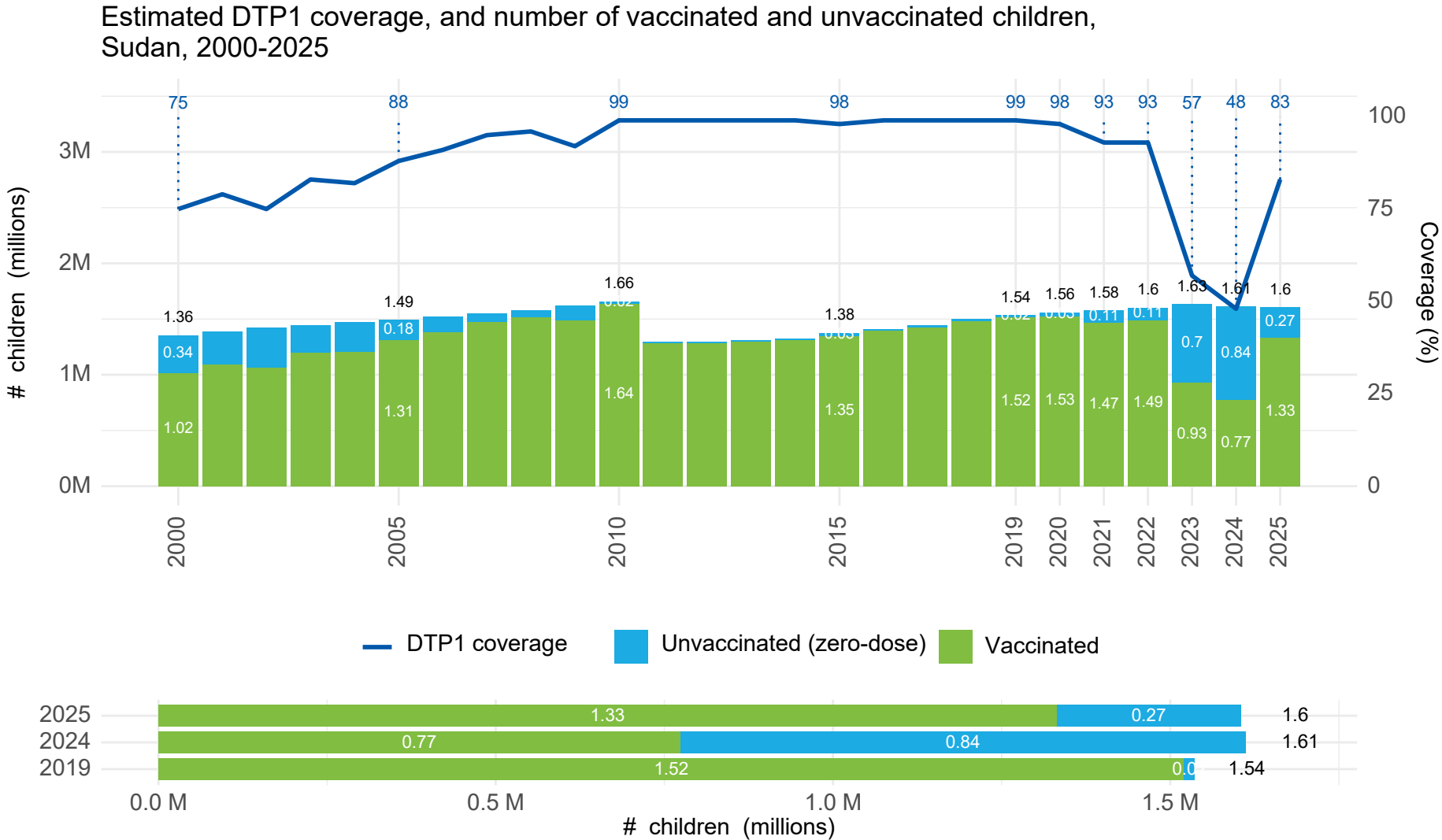
The number of children vaccinated with DTP1 decreased 12% compared to in 2019.

The number of surviving infants increased approximately 4% compared to in 2019.

In 2025, 200,000 fewer children were vaccinated than in 2019.

In 2025, there were 100,000 more surviving infants (target population) than in 2019.

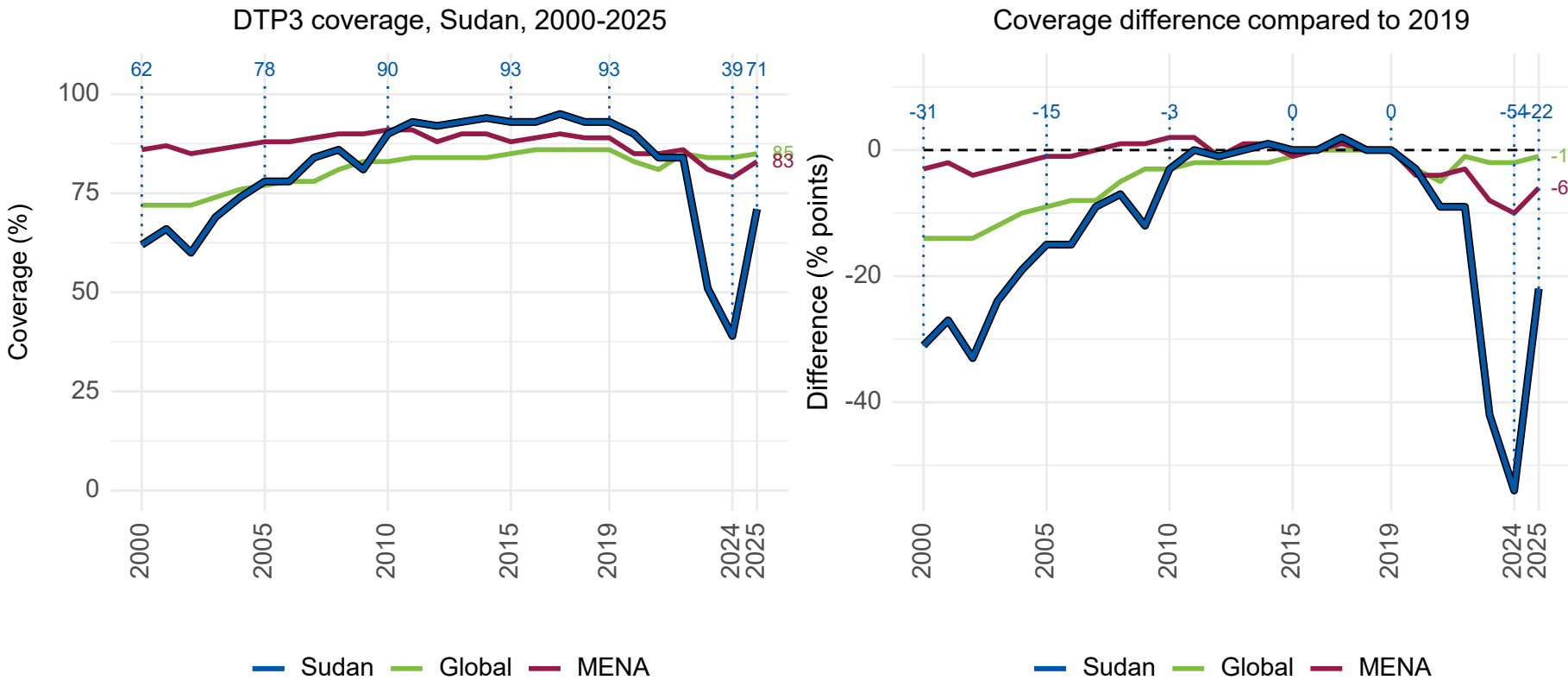
For vaccine coverage to increase, the number of children vaccinated must increase at a faster rate than the population increases.



Source: WHO/UNICEF Estimates of National Immunization Coverage, 2025 revision

DTP3

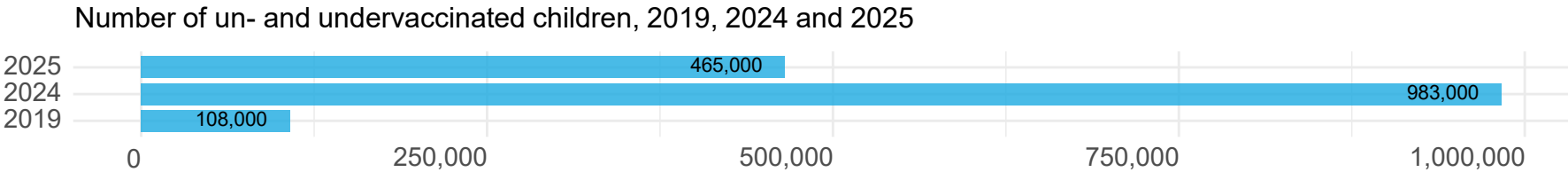
In 2025, Sudan DTP3 coverage was 71% - this is 22 percentage points lower than in 2019 and more than 10 percentage points lower than both the global and regional averages.



In 2025, DTP3 coverage in Sudan (71%) was 14 percentage points lower than the global average (85%) and 12 percentage points lower than the average across all MENA countries (83%).

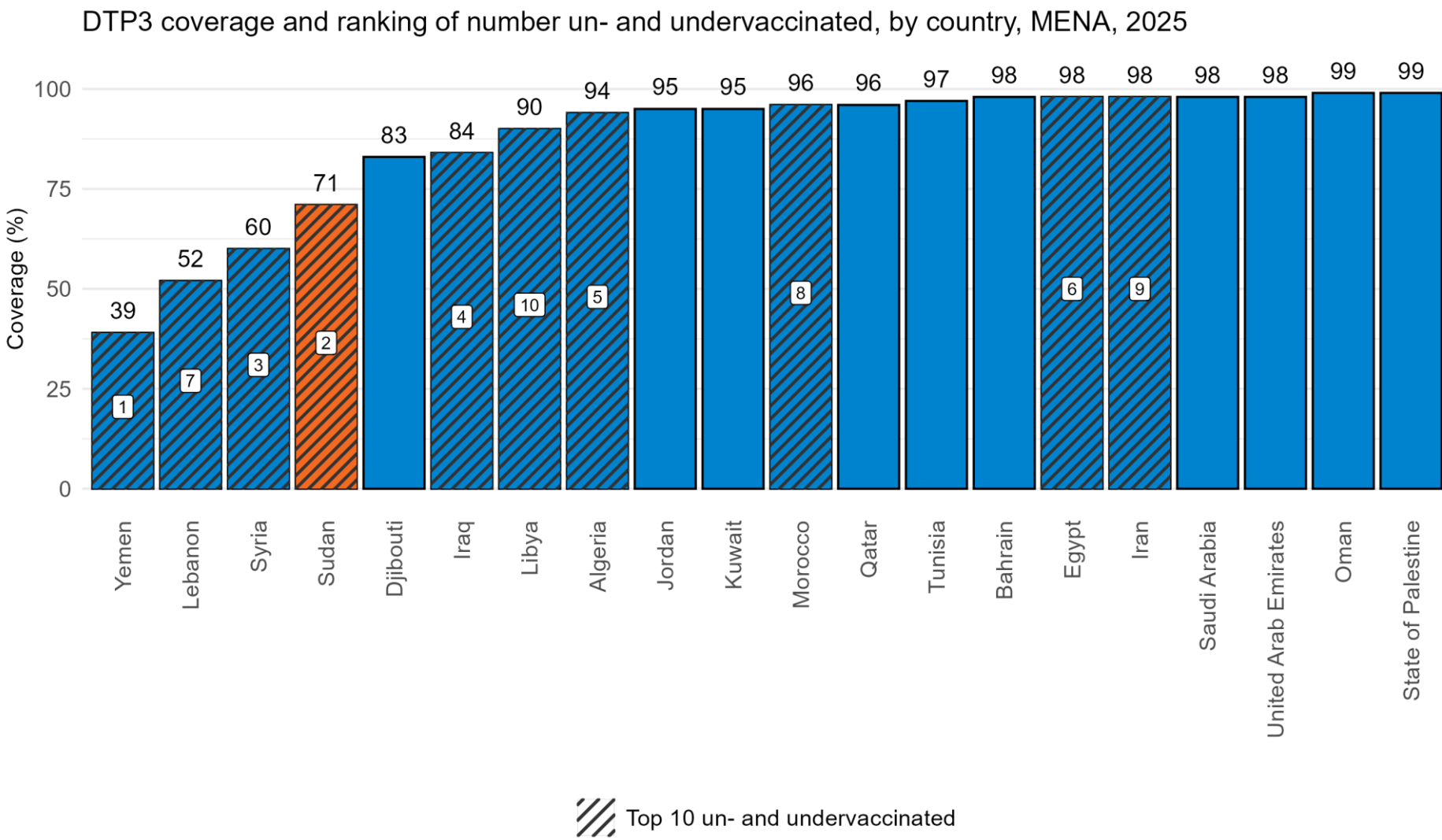
National DTP3 coverage was 22 percentage points lower than in 2019 (93%).

This equates to 465,000 un- and undervaccinated children in 2025 compared to 108,000 un- and undervaccinated children in 2019.



Source: WHO/UNICEF Estimates of National Immunization Coverage, 2025 revision
Note: Coverage difference compared to 2019 - values above zero indicate coverage higher than in 2019 and values below zero indicate coverage lower than in 2019

In 2025, Sudan was among the countries with the highest coverage, but was in the top 3 countries with the highest number of un- and undervaccinated children in the region, contributing substantially to the un- and undervaccinated burden.



This chart shows DTP3 coverage in countries in MENA from lowest to highest coverage, and the rank of the top 10 countries with the most un- and undervaccinated children, based on absolute numbers.

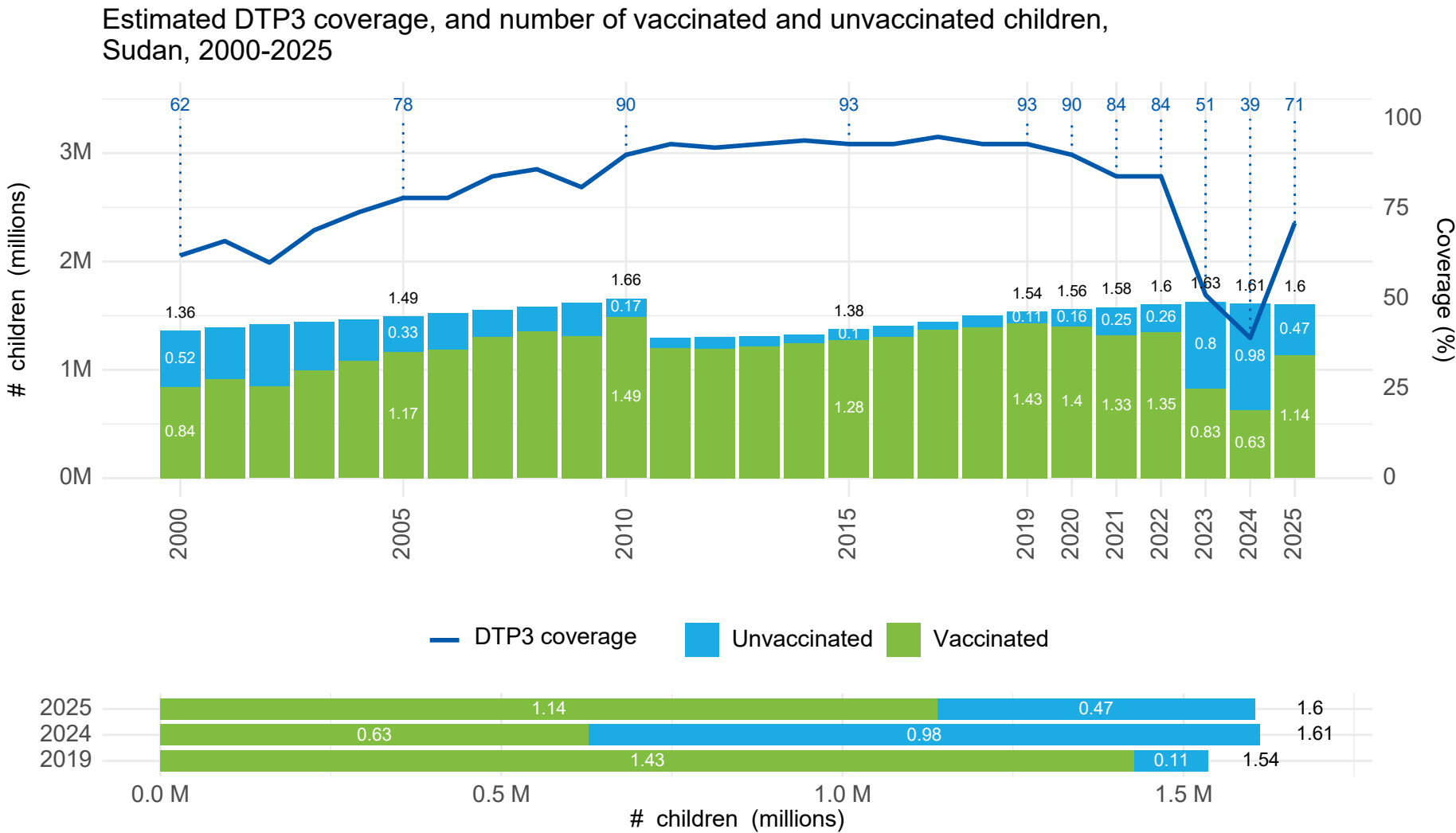
In 2025, Sudan ranked number 4 out of 20 countries for lowest DTP3 coverage (based on tied ranks).

Sudan was in the top 10 countries with the most un- and undervaccinated children (rank=2).

Note: Large cohort countries may have high numbers of un- and undervaccinated children despite high vaccine coverage. It is important to consider both coverage and absolute numbers of unvaccinated children to ensure vulnerable countries with small birth cohorts are not overlooked.



For vaccine coverage to increase, the number of children vaccinated must increase at a faster rate than the population increases.



Source: WHO/UNICEF Estimates of National Immunization Coverage, 2025 revision
Note: Unvaccinated includes zero-dose and undervaccinated children

DTP3 coverage in 2025 (71%) was lower than in 2019 (93%).

The number of children vaccinated with DTP3 decreased 20% compared to in 2019.

The number of surviving infants increased approximately 4% compared to in 2019.

In 2025, 300,000 fewer children were vaccinated than in 2019.

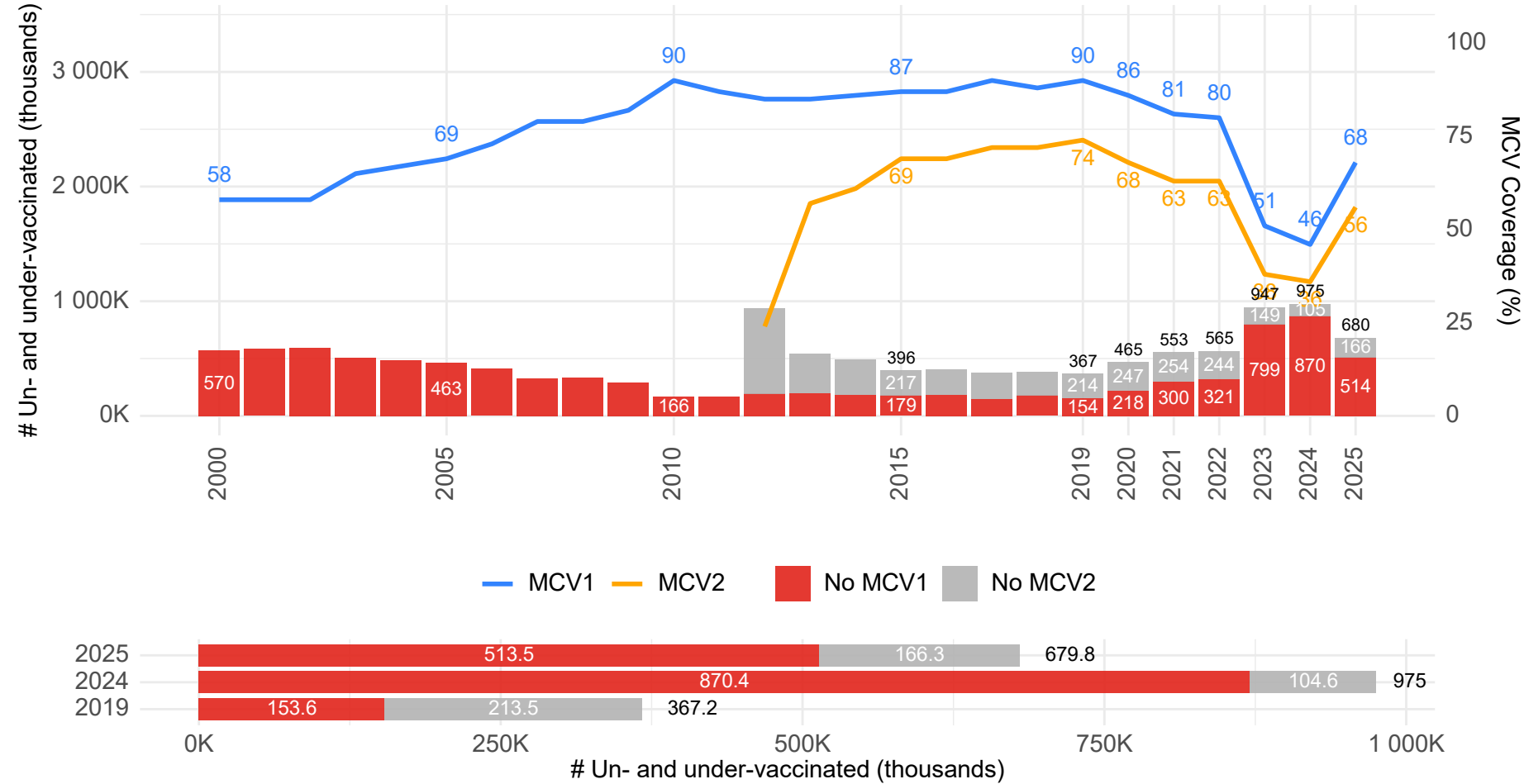
In 2025, there were 100,000 more surviving infants (target population) than in 2019.

For vaccine coverage to increase, the number of children vaccinated must increase at a faster rate than the population increases.

MCV1

MCV1 coverage increased to from 46% in 2024 to 68% in 2025 - below the 95% level needed to prevent outbreaks and, leaving 514,000 children without any protection against measles. MCV2 coverage increased to from 36% in 2024 to 56% in 2025 - below the IA2030 target of 90%.

Estimated coverage and number of un- and under-vaccinated children for MCV, Sudan, 2000-2025



Source: WHO/UNICEF Estimates of National Immunization Coverage, 2025 revision
Note: Lines show vaccine coverage and bars show number of children.

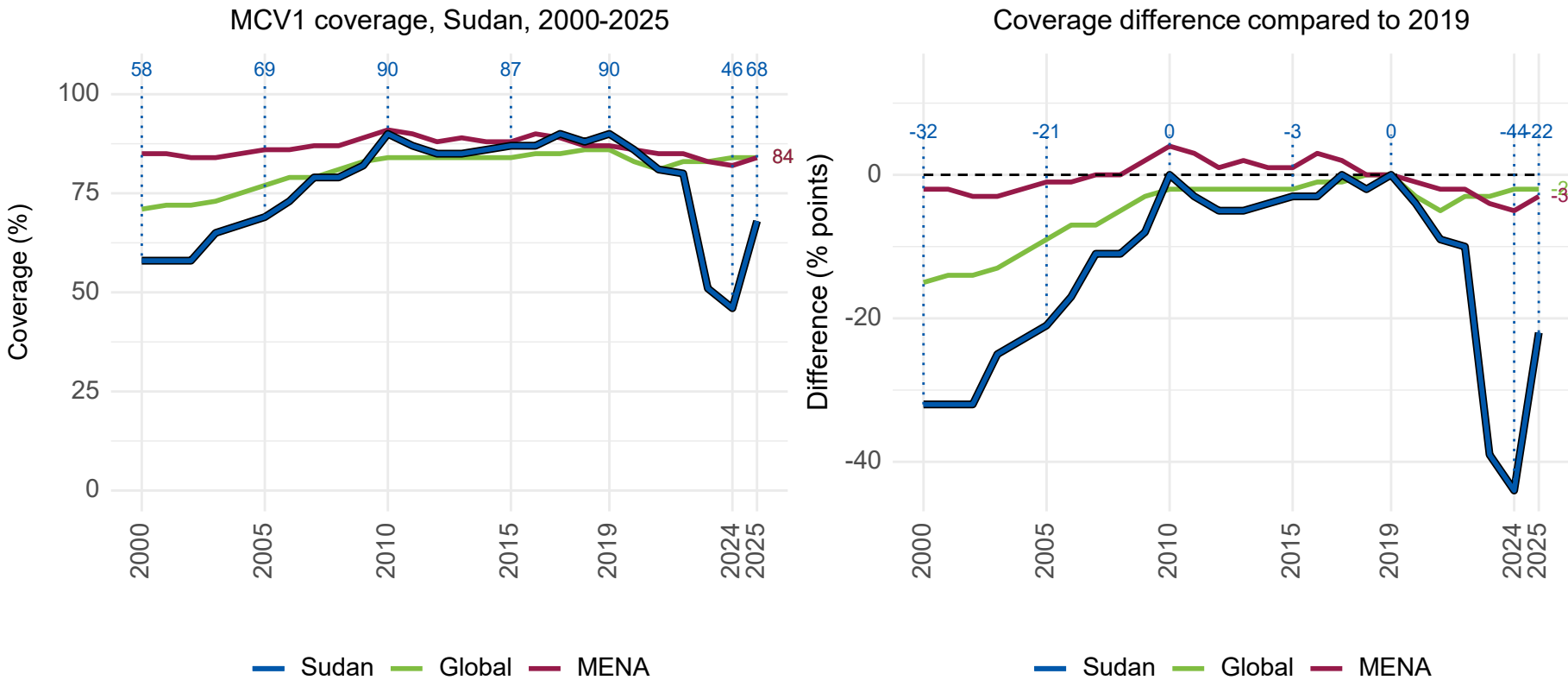
Measles, because of its high transmissibility, acts as a 'canary in the coalmine', quickly exposing any immunity gaps in the population. The coverage of measles containing vaccine (MCV) is thus often used as a tracer for protection.

The percentage of children receiving MCV1 – typically at 9 or 12 months depending on the national vaccination schedule – increased to 68%. This is lower than in 2019, where coverage was 90%.

514,000 children missed their routine first dose of measles vaccine.

MCV2 is typically administered to children between 18 months and five years old. MCV2 coverage increased to 56% in 2025.

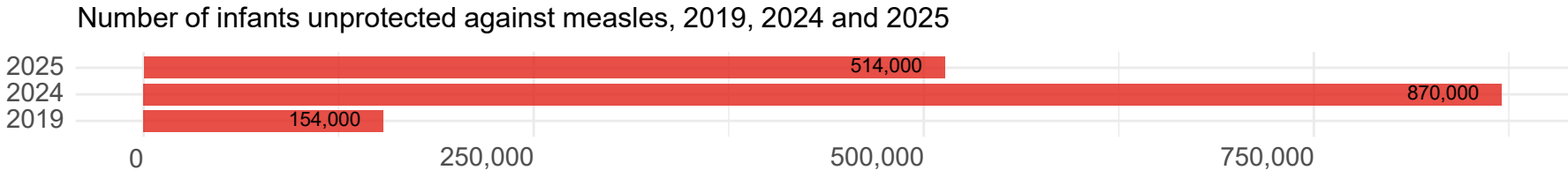
In 2025, Sudan MCV1 coverage was 68% - this is 22 percentage points lower than in 2019 and more than 10 percentage points lower than both the global and regional averages.



In 2025, MCV1 coverage in Sudan (68%) was 16 percentage points lower than the global average (84%) and 16 percentage points lower than the average across all MENA countries (84%).

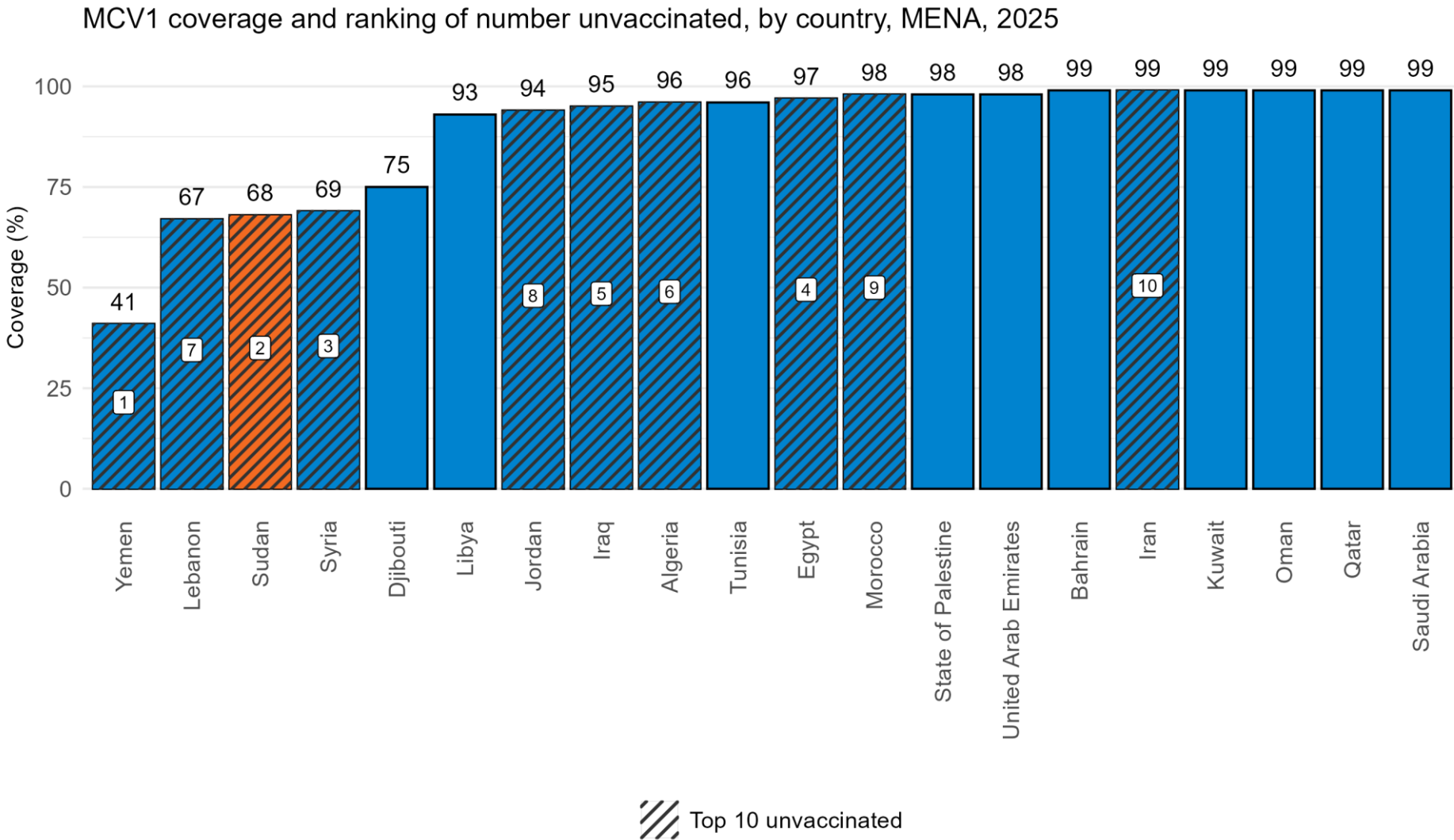
National MCV1 coverage was 22 percentage points lower than in 2019 (90%).

This equates to 514,000 unvaccinated children in 2025 compared to 154,000 unvaccinated children in 2019.



Source: WHO/UNICEF Estimates of National Immunization Coverage, 2025 revision
Note: Coverage difference compared to 2019 - values above zero indicate coverage higher than in 2019 and values below zero indicate coverage lower than in 2019

In 2025, Sudan was among the countries with the lowest coverage and was in the top 3 countries with the highest number of unvaccinated children in the region, highlighting it as a country requiring support.



This chart shows MCV1 coverage in countries in MENA from lowest to highest coverage, and the rank of the top 10 countries with the most unvaccinated children, based on absolute numbers.

In 2025, Sudan ranked number 3 out of 20 countries for lowest MCV1 coverage (based on tied ranks).

Sudan was in the top 10 countries with the most unvaccinated children (rank=2).

Note: Large cohort countries may have high numbers of unvaccinated children despite high vaccine coverage. It is important to consider both coverage and absolute numbers of unvaccinated children to ensure vulnerable countries with small birth cohorts are not overlooked.

For vaccine coverage to increase, the number of children vaccinated must increase at a faster rate than the population increases.

MCV1 coverage in 2025 (68%) was lower than in 2019 (90%).

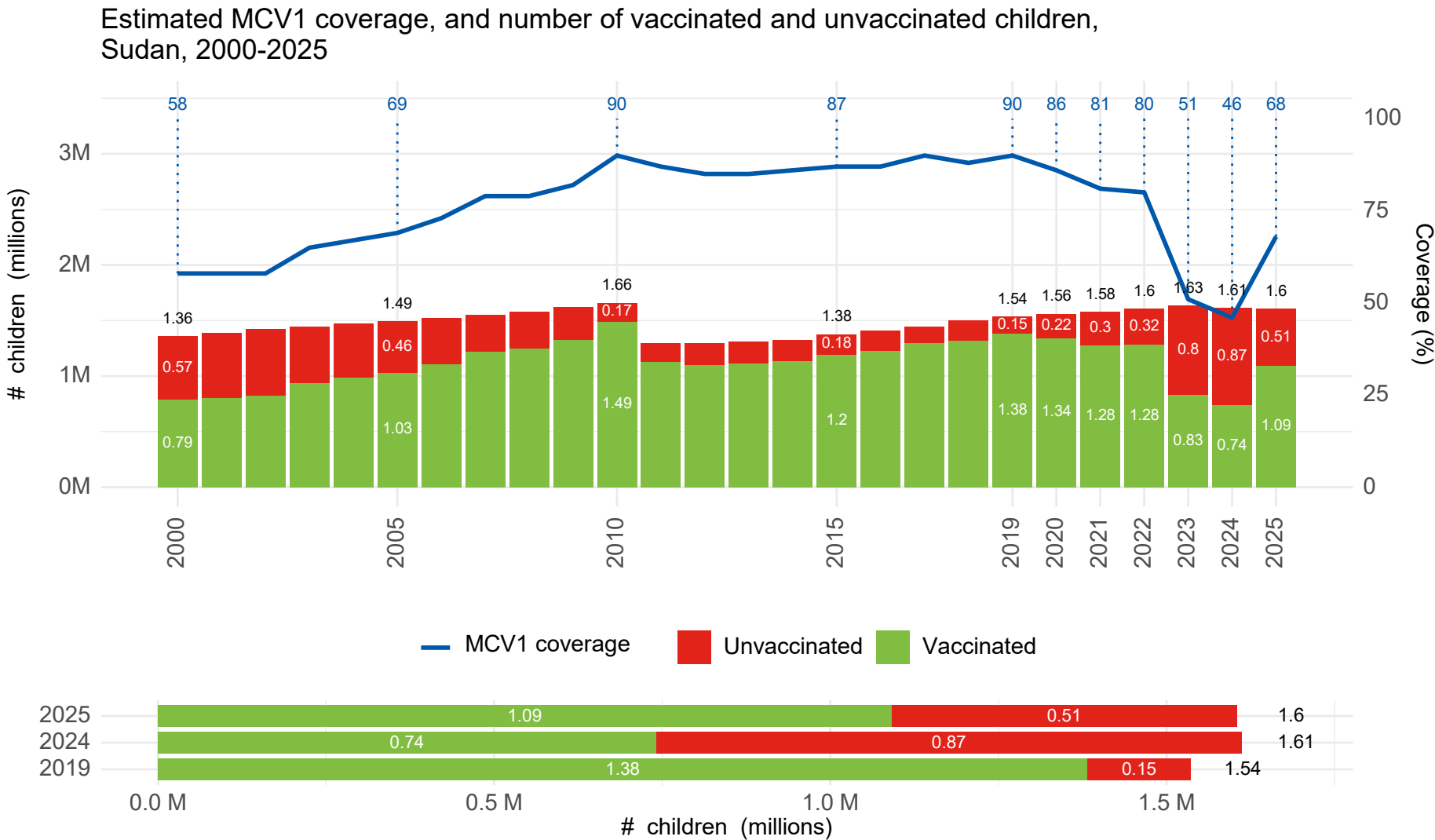
The number of children vaccinated with MCV1 decreased 21% compared to in 2019.

The number of surviving infants increased approximately 4% compared to in 2019.

In 2025, 300,000 fewer children were vaccinated than in 2019.

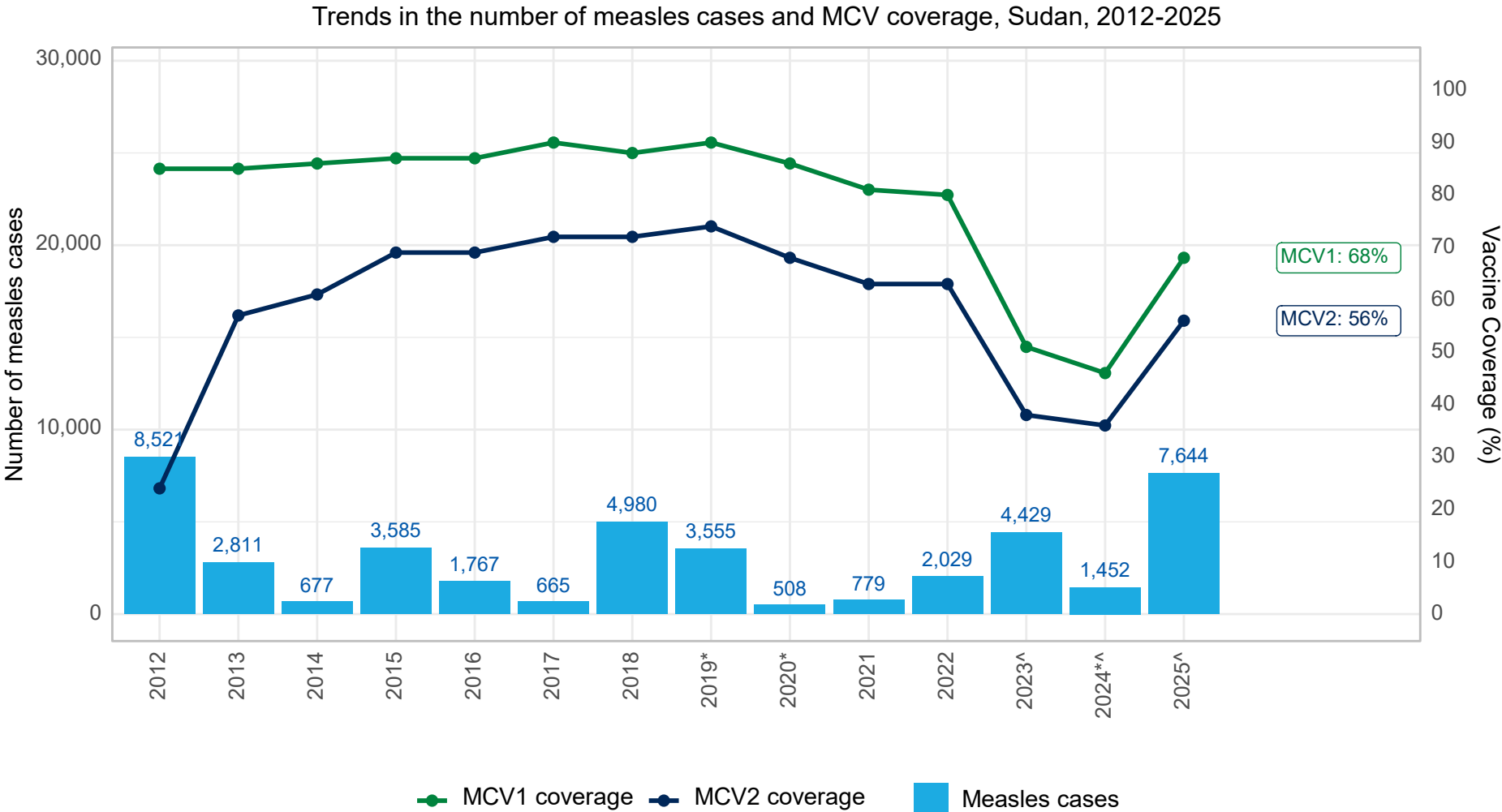
In 2025, there were 100,000 more surviving infants (target population) than in 2019.

For vaccine coverage to increase, the number of children vaccinated must increase at a faster rate than the population increases.



Source: WHO/UNICEF Estimates of National Immunization Coverage, 2025 revision

In 2025, Sudan experienced an increase in measles cases compared with 2024, while MCV1 coverage was 68% and MCV2 coverage was 56%.



In 2025, there was a total of 7,644 confirmed measles cases in Sudan. In the same year, MCV1 coverage was 68% and MCV2 coverage was 56%.

The number of cases in 2025 was 5.3 times more cases than in 2024 (n=1,452).

The highest number of measles cases was reported in 2012 (n=8,521). In this year, MCV1 coverage was 85%.

Sudan reported measles vaccine stockouts in 2004, 2005, 2007, 2008, 2009, 2010, 2019, 2020, and 2024.

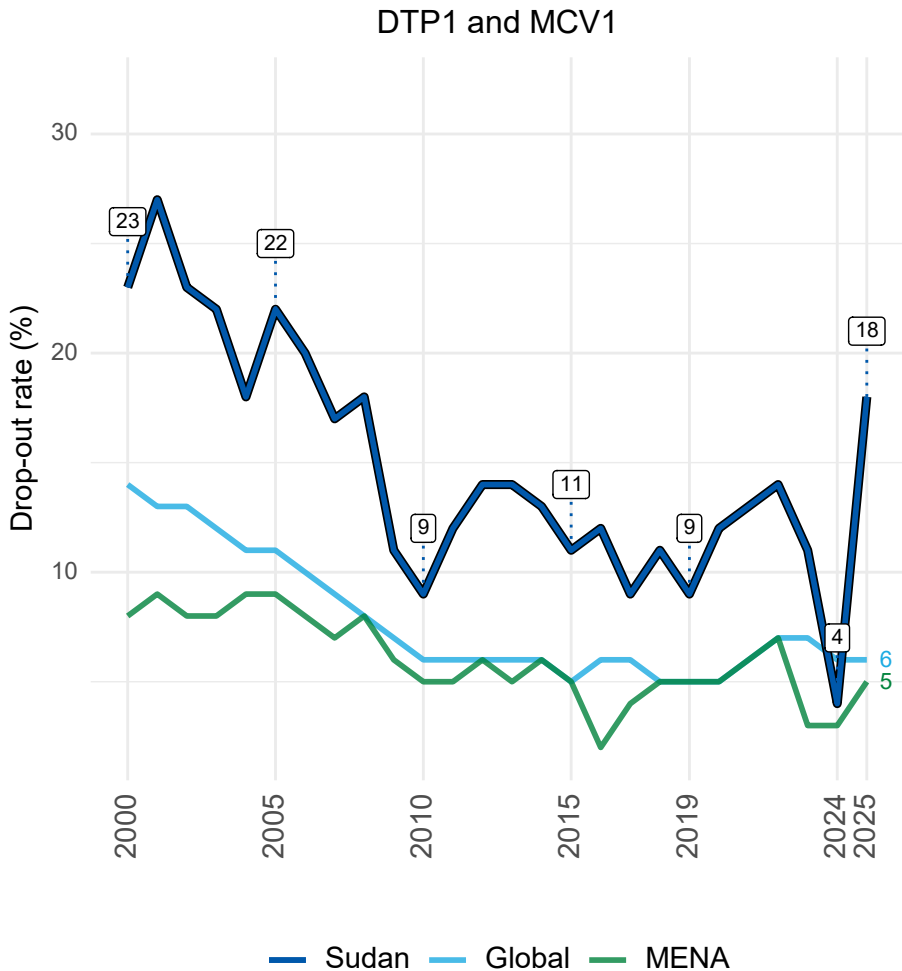
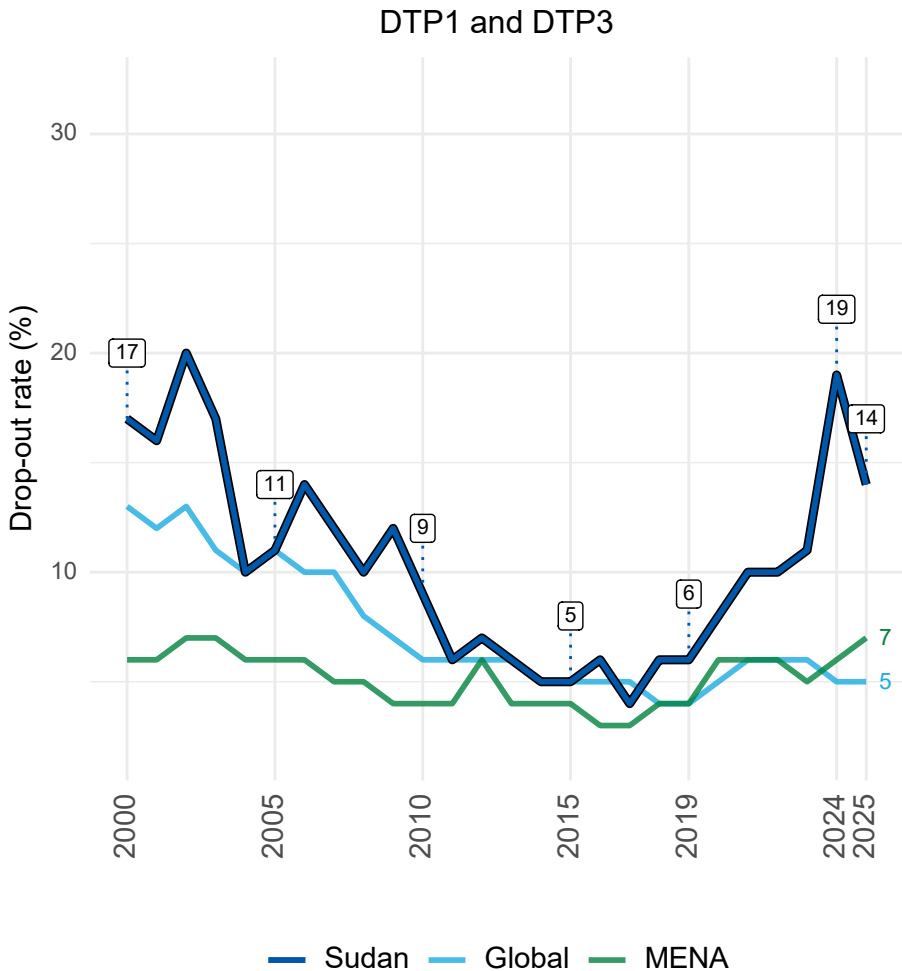
There were measles-containing vaccine supplementary immunization activities/campaigns in 2023, 2024, and 2025.

Source: WHO/UNICEF Estimates of National Immunization Coverage, 2025 revision; Reported measles and rubella cases and incidence rates by WHO Member States, as of 12 June 2026. Provisional data based on monthly data reported to WHO (Geneva) as of 12 June 2026.
Note: Asterisks (*) indicate years with measles vaccine stockouts and carets (^) indicates years with measles vaccination campaigns (national or subnational).

Childhood immunization: Additional charts

In 2025, DTP1 and DTP3/MCV1 drop-out was high in Sudan, indicating poor retention of children in immunization programmes, and the need for stronger follow-up of those initially reached.

Zero-dose children are those who did not receive DTP1.



Source: WHO/UNICEF Estimates of National Immunization Coverage, 2025 revision
Drop-out classification: <5% = low, 5-10% = medium, >10% = high

Drop-out rates show the percentage of children who received DTP1, but not DTP3/MCV1. Low drop-out rates indicate high retention of children in immunization programmes.

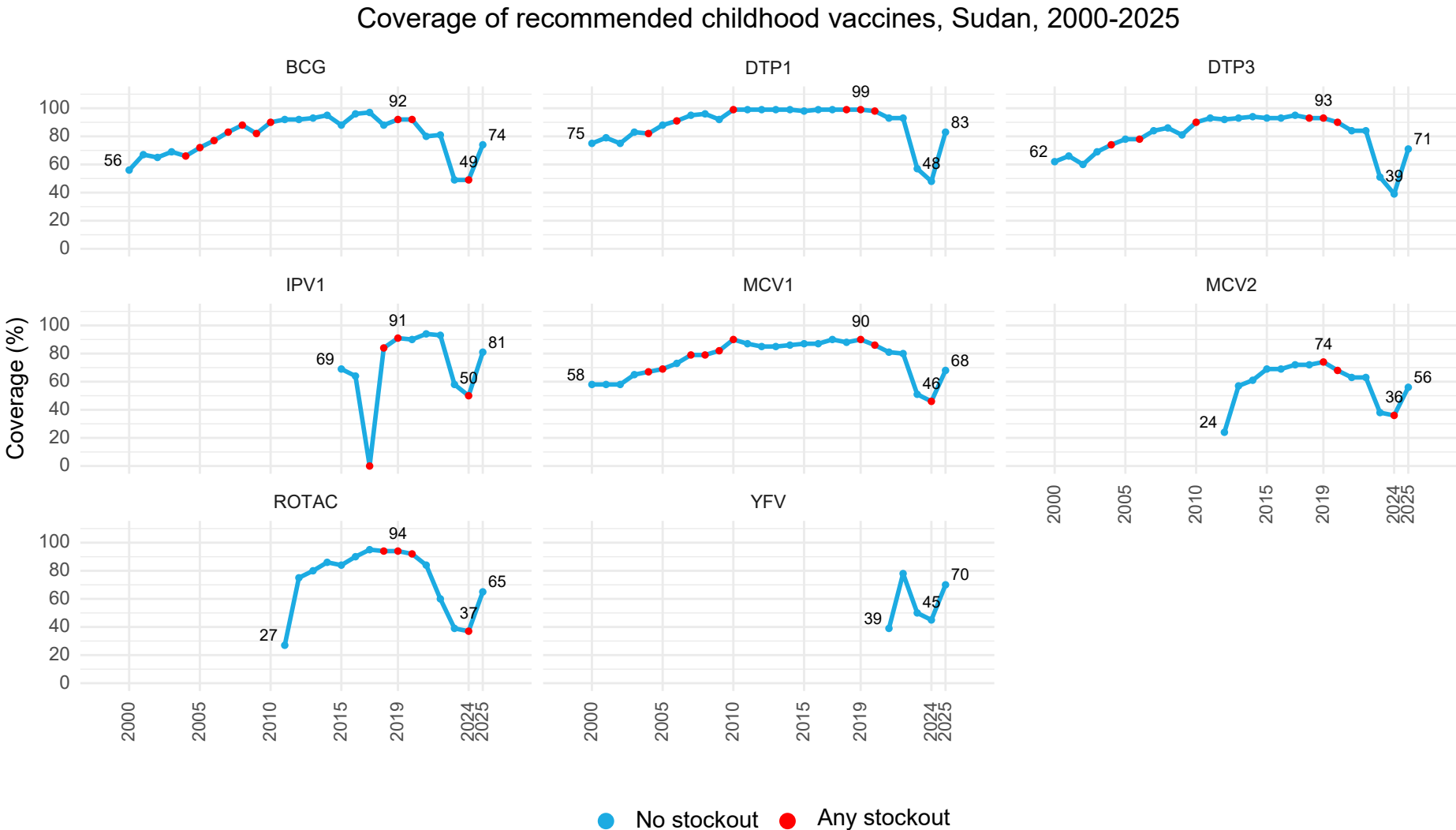
This chart shows trends in drop-out rates between DTP1 and DTP3, and DTP1 and MCV1.

In 2025, 14% of children who received DTP1 did not receive DTP3 (left), and 18% of children who received DTP1 did not receive MCV1 (right).

The high DTP drop-out rate implies poor ability to provide a complete series of vaccines early in life. The high DTP-MCV drop-out rate implies poor retention in immunization programmes and ability to provide a full course of vaccines in infancy (up to one year).

In 2025, Sudan DTP drop-out was higher than the global rate, while DTP-MCV drop-out was higher than the global rate.

In 2025, Sudan had its lowest coverage in MCV2 (56%), while most other routine vaccines clustered around 65-83%; 7 antigens decreased since 2019, and 8 antigens increased since 2024.



This chart shows trends in coverage of selected core routine vaccines recommended in childhood.

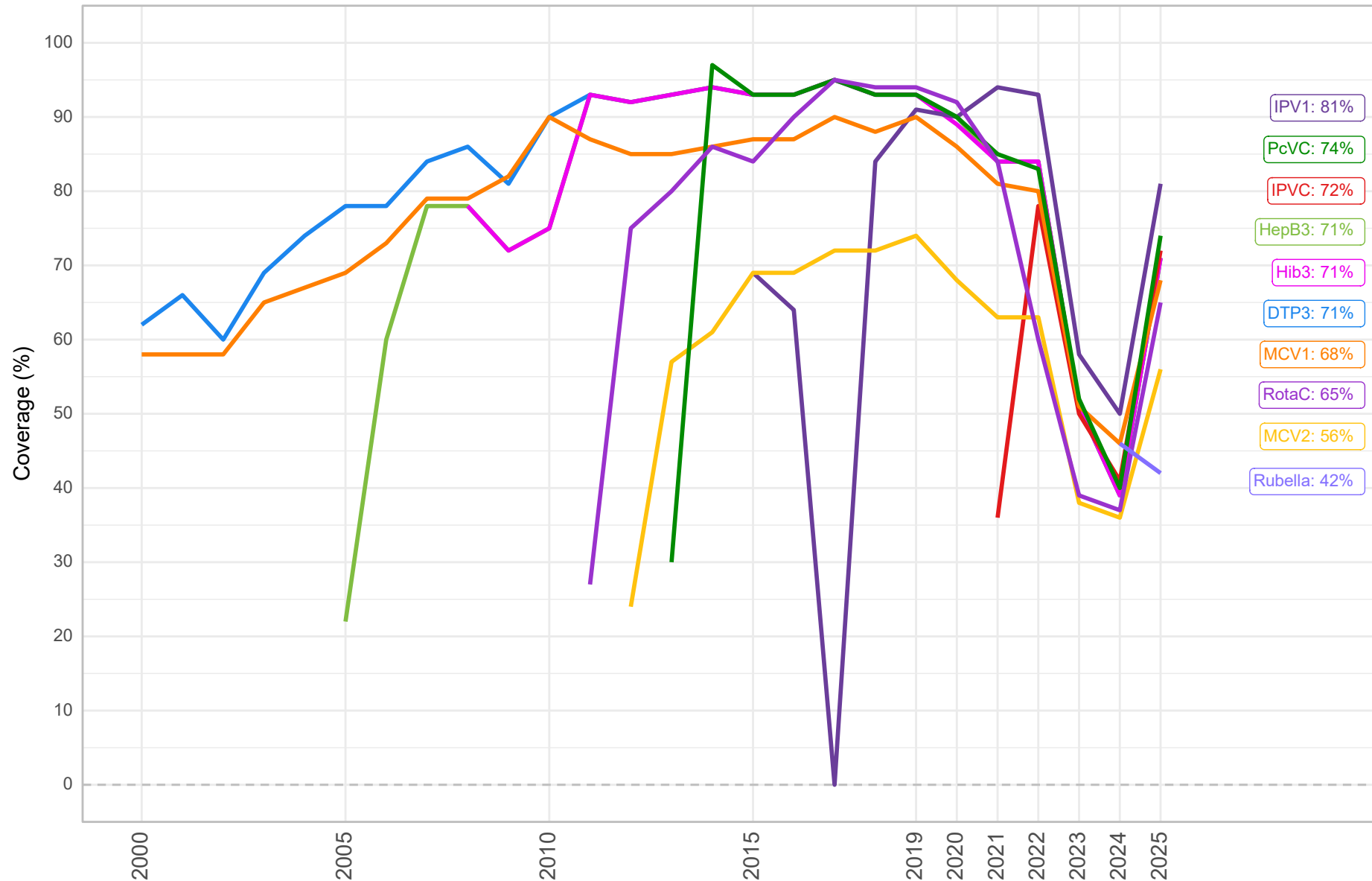
In 2025, MCV2 had the lowest coverage (56%), followed by ROTAC (65%).

Compared to 2019, coverage of 7 vaccines decreased (BCG, DTP1, DTP3, IPV1, MCV1, MCV2 and ROTAC).

Compared to 2024, coverage of 8 vaccines increased (BCG, DTP1, DTP3, IPV1, MCV1, MCV2, ROTAC and YFV).

Source: WHO/UNICEF Estimates of National Immunization Coverage, 2025 revision
Note: Data labels are shown for 2000 (or first year of reporting), 2019 and 2025

Vaccine coverage (%), Sudan, 2000-2025



Source: WHO/UNICEF Estimates of National Immunization Coverage, 2025 revision
Numbers in the data label bubbles refer to vaccine coverage in the latest year estimates are available.

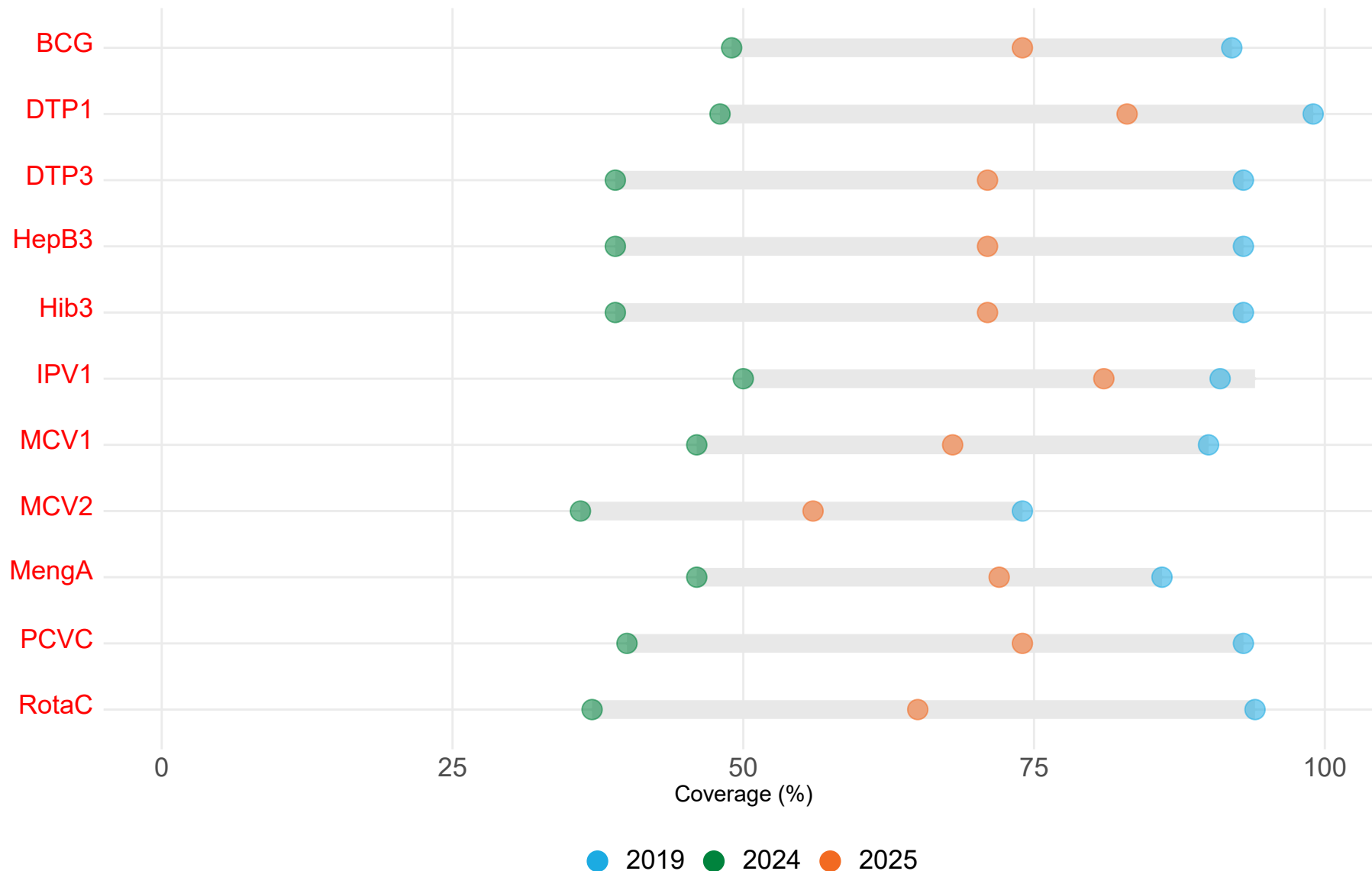
This chart shows trends in coverage of 9 vaccines (complete series).

In 2025, Rubella had the lowest coverage of all vaccines (42%), followed by MCV2 (56%).

Coverage of 7 vaccines decreased (DTP3, HEPB3, HIB3, IPV1, MCV1, MCV2 and ROTAC) compared to respective coverage in 2019.

Coverage of 8 vaccines increased (DTP3, HEPB3, HIB3, IPV1, IPVC, MCV1, MCV2 and ROTAC) and 1 vaccine decreased (RUBELLA) compared to respective coverage in 2024.

Vaccine coverage (%), Sudan, 2019-2025



Source: WHO/UNICEF Estimates of National Immunization Coverage, 2025 revision
 Note: The grey bar spans vaccine coverage across all years 2019-2025 and the dots represent coverage in specific years.
 Coverage is shown for vaccines with data all years 2019-2025.
 Vaccine names are coloured based on if coverage is lower (red), the same as (blue) or higher (green) than in 2019

This chart shows the range of coverage across all years 2019 to 2025 (grey bars), and coverage in specific years (dots), by vaccine. The chart can be used for assessing recovery to pre-pandemic levels.

DTP1 coverage declined between 2019 (99%) and 2024 (48%). DTP1 coverage increased in 2025 (83%) compared to 2024, and was lower than in 2019. In 2019-2025, DTP1 coverage was at it's lowest level in 2024 (48%).

In 2024, 11 vaccines had lower coverage than in 2019.

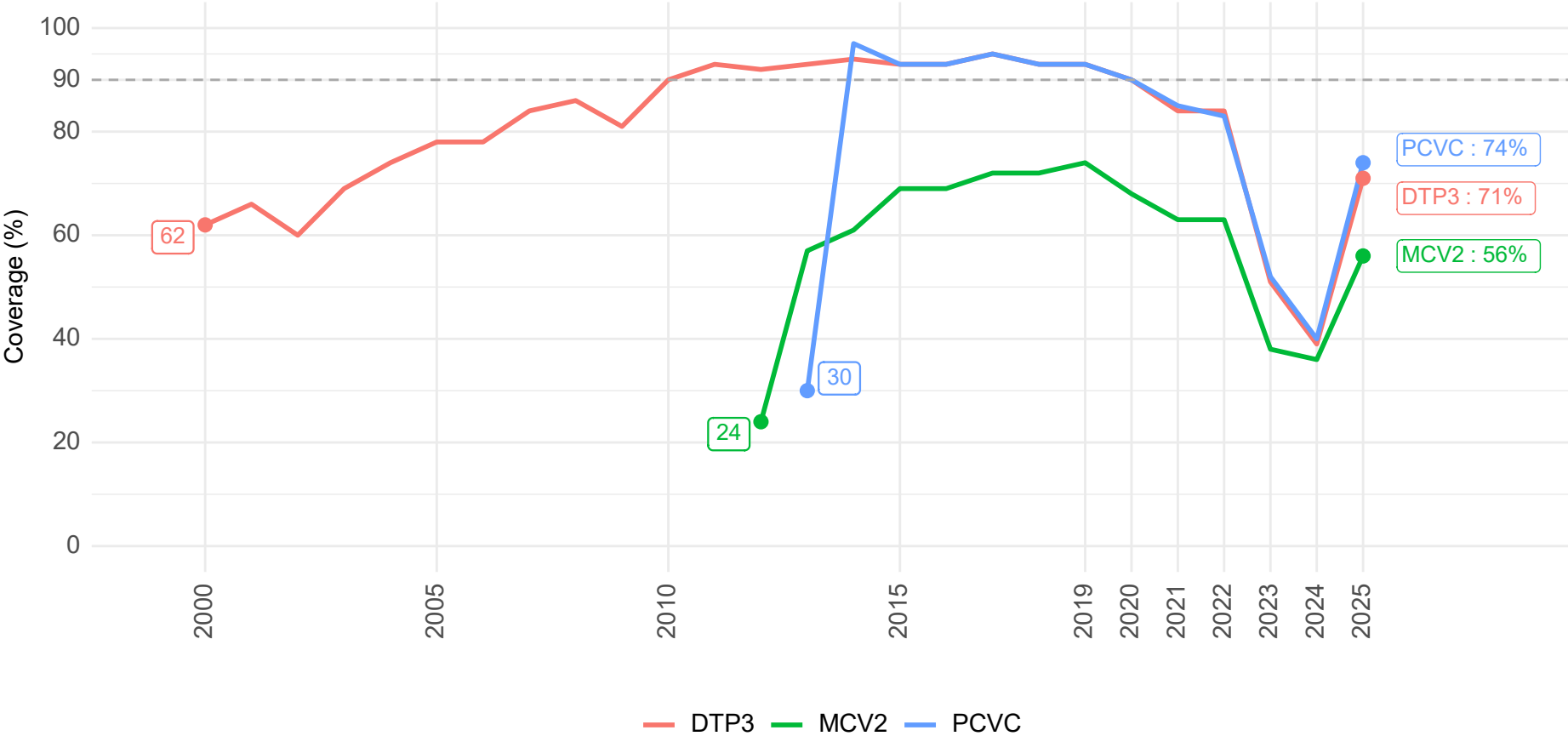
In 2025, 11 vaccines had lower coverage than in 2019.

In 2025, 0 vaccines had lower coverage than in 2024.

SDG 3.b.1

In 2025, no SDG vaccines in met the 90% SDG coverage target.

SDG 3.b.1: Proportion of the target population covered by all vaccines included in their national programme, Sudan, 2000-2025



Source: WHO/UNICEF Estimates of National Immunization Coverage, 2025 revision
Note: The four vaccination coverage indicators contribute to SDG indicator 3.b.1 are: DTP3, MCV2, PCVC and HPVc
The Immunization Agenda 2030 (IA2030) global target is 90% coverage of all four antigens by 2030.
Data are missing for vaccines that have not been introduced by the country or where estimates were not made (HPVc).

Four vaccination coverage indicators contribute to Sustainable Development Goal 3, indicator b.1: DTP3, PCV3, MCV2 and HPV.

The IA2030 global target is 90% coverage of all four antigens by 2030.

Sudan has 3 out of the 4 SDG vaccines.

In 2025, Sudan had achieved at least 90% coverage of none out of the 4 vaccines.

Additional resources

WUENIC country profiles (PDF and interactive versions)

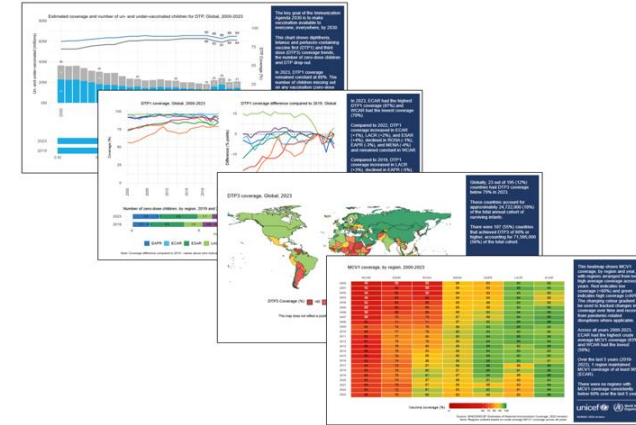


Datasets: WUENIC, HPV, survey database

	A	B	C	D	E	F	G	H	I	J
	unicef_regioiso3c	country	vaccine	year	target_grp	coverage	vaccinated	unvaccinated	target	
1	ROSA	AFG	Afghanistan bcg	1982	births	10	57,000	514,000	571,000	
2	ROSA	AFG	Afghanistan bcg	1983	births	10	56,000	503,000	559,000	
3	ROSA	AFG	Afghanistan bcg	1984	births	11	62,000	501,000	563,000	
4	ROSA	AFG	Afghanistan bcg	1985	births	17	100,000	490,000	591,000	
5	ROSA	AFG	Afghanistan bcg	1986	births	18	107,000	489,000	596,000	
6	ROSA	AFG	Afghanistan bcg	1987	births	27	161,000	434,000	595,000	
7	ROSA	AFG	Afghanistan bcg	1988	births	40	238,000	358,000	596,000	
8	ROSA	AFG	Afghanistan bcg	1989	births	38	233,000	380,000	614,000	
9	ROSA	AFG	Afghanistan bcg	1990	births	30	191,000	446,000	637,000	
10	ROSA	AFG	Afghanistan bcg	1991	births	21	134,000	505,000	640,000	
11	ROSA	AFG	Afghanistan bcg	1992	births	19	127,000	541,000	668,000	
12	ROSA	AFG	Afghanistan bcg	1993	births	17			760,000	
13	ROSA	AFG	Afghanistan bcg	1994	births	15			852,000	
14	ROSA	AFG	Afghanistan bcg	1995	births				899,000	
15	ROSA	AFG	Afghanistan bcg	1996	births				932,000	
16	ROSA	AFG	Afghanistan bcg	1997	births				962,000	
17	ROSA	AFG	Afghanistan bcg	1998	births				986,000	
18	ROSA	AFG	Afghanistan bcg	1999	births				1,013,000	
19	ROSA	AFG	Afghanistan bcg	2000	births	30			1,037,000	
20	ROSA	AFG	Afghanistan bcg	2001	births	43	453,000	374,000	1,007,000	
21	ROSA	AFG	Afghanistan bcg	2002	births	46	467,000	548,000	1,015,000	
22	ROSA	AFG	Afghanistan bcg	2002	births					

Country and region-specific slides:

UNICEF, WHO, World Bank, Gavi and African Union regions



Additional Resources

Additional immunization data resources can be found at:

<https://data.unicef.org/resources/immunization/>

Interactive immunization regional snapshots:

UNICEF, WHO, World Bank, Gavi and African Union regions



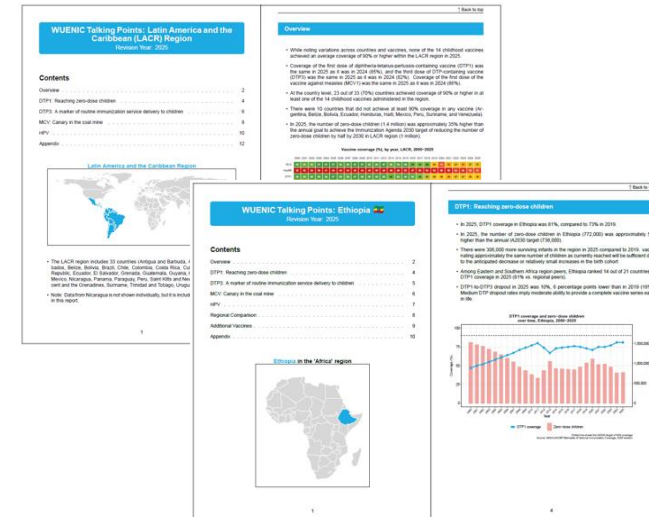
Country data quality reports

(NEW 2026)



Country and region-specific high-level talking points

(NEW 2026)



Interactive WUENIC country profiles can be found at:

<https://worldhealthorg.shinyapps.io/wuenic-trends/>

Short feedback questionnaire

(5 minutes)

We are seeking your feedback on the global groupings (GAVI, African Union, World Bank Income, WHO and UNICEF) and country-level PowerPoint slides developed for the release of global immunization estimates. Your input will help us understand their usefulness and identify areas for improvement.

Please take a few moments to complete this short survey and have your voice heard:

<https://forms.office.com/e/Qv1HXxxNZQ>

