



Costa Rica

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 declined 2 percentage points from 99% in 2024 to 97% in 2025.
- DTP3 coverage declined 3 percentage points from 99% in 2024 to 96% in 2025.
- There were there were 1,000 more zero-dose children in 2025. This leaves 2,000 children without vaccination, vulnerable to vaccine-preventable diseases and a further <1,000 with incomplete protection.
- Costa Rica accounted for 0.2% of zero-dose children in Latin America and the Caribbean (LACR) and <0.1% of zero-dose children globally.
- MCV1 coverage increased 2 percentage points from 96% in 2024 to 98% in 2025. There were 1,000 children who missed out on the first measles vaccination.
- MCV2 coverage increased 5 percentage points from 87% in 2024 to 92% in 2025.
- Last dose coverage of HPV vaccination (HPVc) among girls decreased from 84% to 83% in 2025.

Vaccination schedule, 2025

Level	Vaccine	Dose number and age administered			
		1	2	3	4
National	BCG	Birth			
National	DTAPHIBIPV	2 months	4 months	6 months	
National	DTAPHIBIPV (booster)				15 months
National	HEPB (pediatric)	Birth	2 months	6 months	
National	HPV (females and males)	10 years	+6 months		
National	MMR	15 months	4 years		
National	PCV	2 months	4 months	15 months	
National	Rotavirus	2 months	4 months		

This table shows the 2025 national immunization schedule for routine services in Costa Rica, 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	Risk groups
HPV (Human papillomavirus) vaccine	2019	
HepB birth dose	2002	
Hepatitis B vaccine	2000	
Hib (Haemophilus influenzae type B) vaccine	1998	
IPV (Inactivated polio vaccine)	2010	
IPV (Inactivated polio vaccine) 2nd dose	2010	
Malaria vaccine	Not introduced	
Measles-containing vaccine 2nd dose	1992	
Meningococcal meningitis vaccines (any strain)	Not introduced	
Mumps vaccine	1987	
PCV (Pneumococcal conjugate vaccine)	2008	2007
RSV (Respiratory syncytial virus) immunization strategy	2025	
Rotavirus vaccine	2019	
Rubella vaccine	1972	
Typhoid conjugate vaccine	Not introduced	

This table displays the year each vaccine was introduced in Costa Rica. 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	2022
DTP-containing vaccine	National (1m)
HepB	National (2m)

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 three antigens, remained unchanged for two, and declined for nine, indicating limited improvement in routine immunization performance; 12 achieved at least 90% coverage.

Vaccine coverage, Costa Rica, 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	95	91	96	93	97	96	95	99	99	91*	88	90	91	93	95	99	99	99	99	99	99	88	95	99	99	99
HepBB		87	87	86	89	89	89	89	89*	89	89*	90	90	90	89	90	91	87	90	87	89	71	71*	71	71	71
DTP1	90	91	98	90	96	97	89	90	90	91	96	87	92	98	91*	93	99	99	95	96	99	93	95*	99	99	97
DTP3	88	91	94	88	90	91	89	89	90	86	88	85	91	95	91*	92	97	96	94	95	97	93	95*	99	99	96
Hib3	92	89	93	88	90	89	88	88	87*	87*	90*	81	90	95	91*	92	97	96	94	96	97	92	95*	99	99	96
HepB3	89	80	94	86	89	90	88	89	89*	87	89*	84	91	94	91*	92	97	97	98	94	91	87	94*	98	99	96
PCVC										48	94	68	89	93	83	94	94	96	96	95	94	87	92	99	99	98
RotaC																				59	97	85	89	94	96	95
IPV1																93	96	99	95	96	99	93	95	99	99	97
IPVC																						92	95	99	99	96
MCV1	82	82	94	89	88	89	90	90	89	81	83	83	90	91	95	93	93	96	94	95	95	89	90	93	96	98
RCV1	82	82	94	89	88	89	90	90	89	81	83	83	90	91	95	93	93	96	94	95	95	89	90	93	96	98
MCV2									89	84	79	80	95	92	90	90	87	93	93	93	81	69	75	83	87	92
HPVc																				96	74	43	72	56	84	83



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.

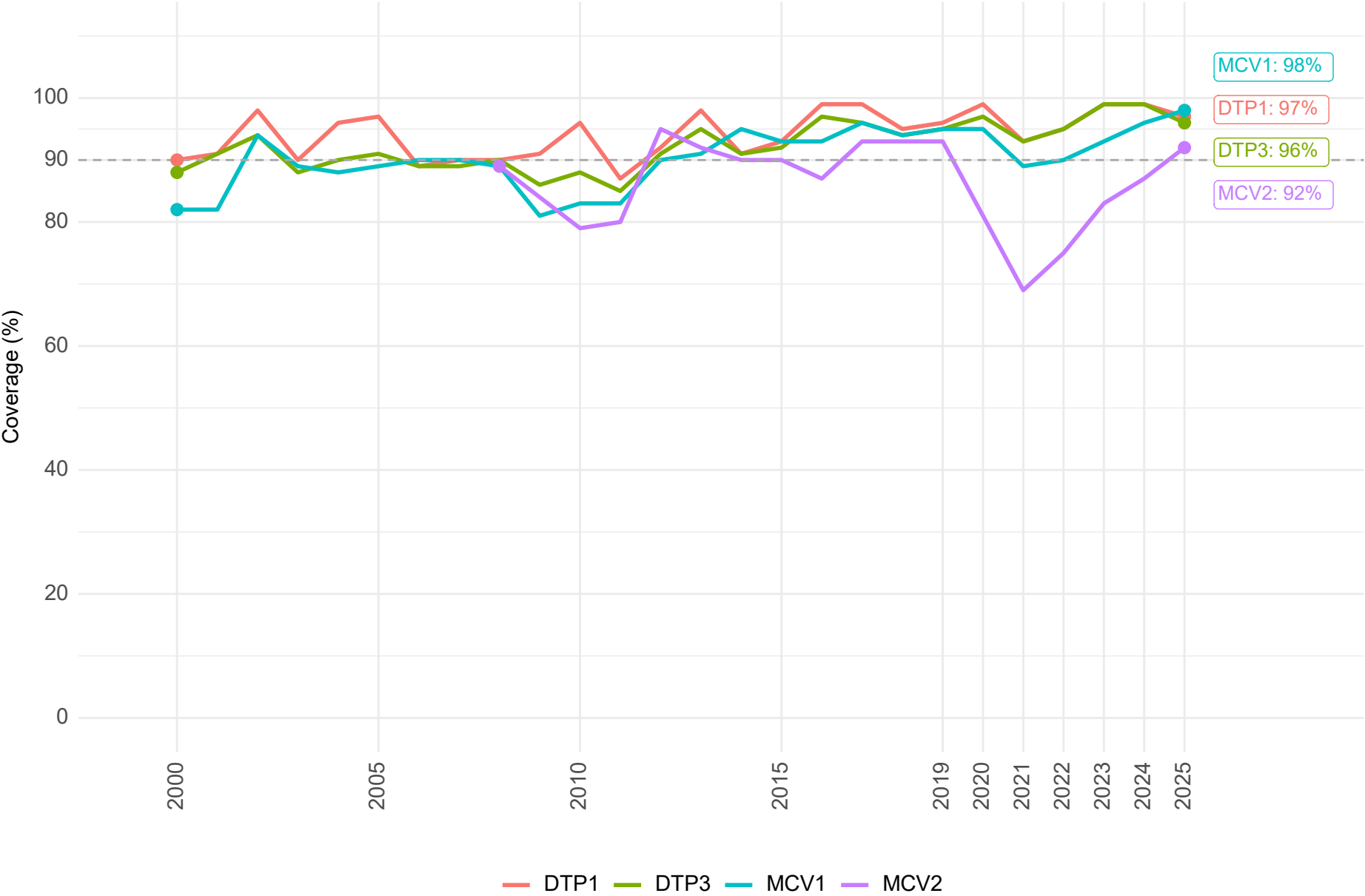
This heatmap shows trends in vaccine coverage since 2000, with green cells indicating coverage of 90% or more.

In 2025, 12 out of 14 (86%) vaccines in the schedule achieved coverage of 90% or more. Vaccine coverage ranged from 71% to 99%.

Since 2001, estimates have been made for 7 new vaccines. IPVc is the newest vaccine reported (2021), which achieved 96% coverage in 2025.

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

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



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

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 98%.

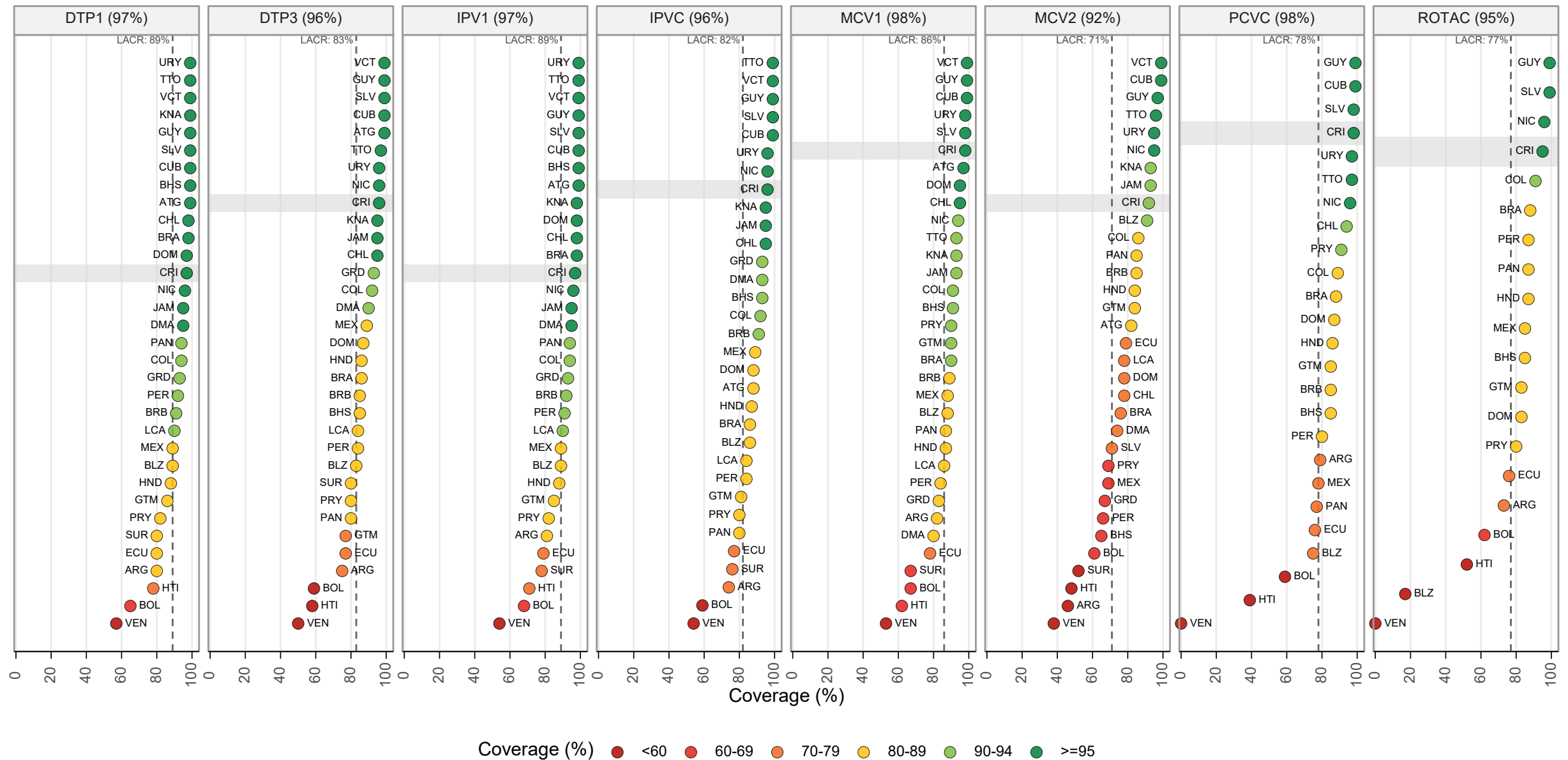
DTP3 coverage - a marker of how well countries are delivering immunization services to children - exceeded the 90% target set for 2030.

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 exceeded the 95% target and MCV2 coverage was below, but close to the 95% target.

Between 2024 and 2025, 2 vaccines increased coverage, 2 declined and 0 remained the same.

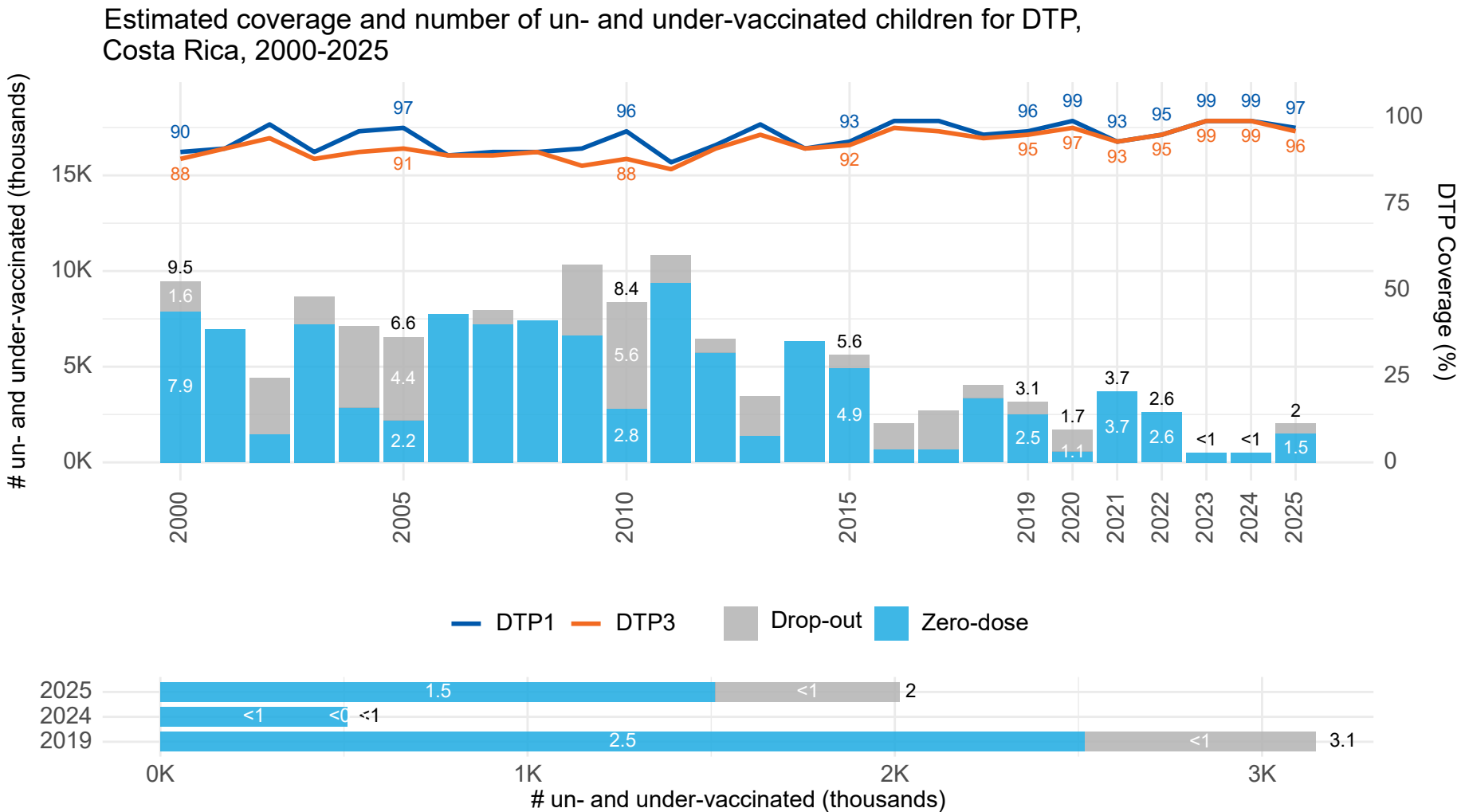
Vaccine coverage compared with other countries in the region, LACR, 2025



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

DTP1

In 2025, DTP1 coverage was 97% and DTP3 was 96%, leaving 2,000 children un- or under-vaccinated, including 2,000 zero-dose and <1,000 with only partial protection.



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.

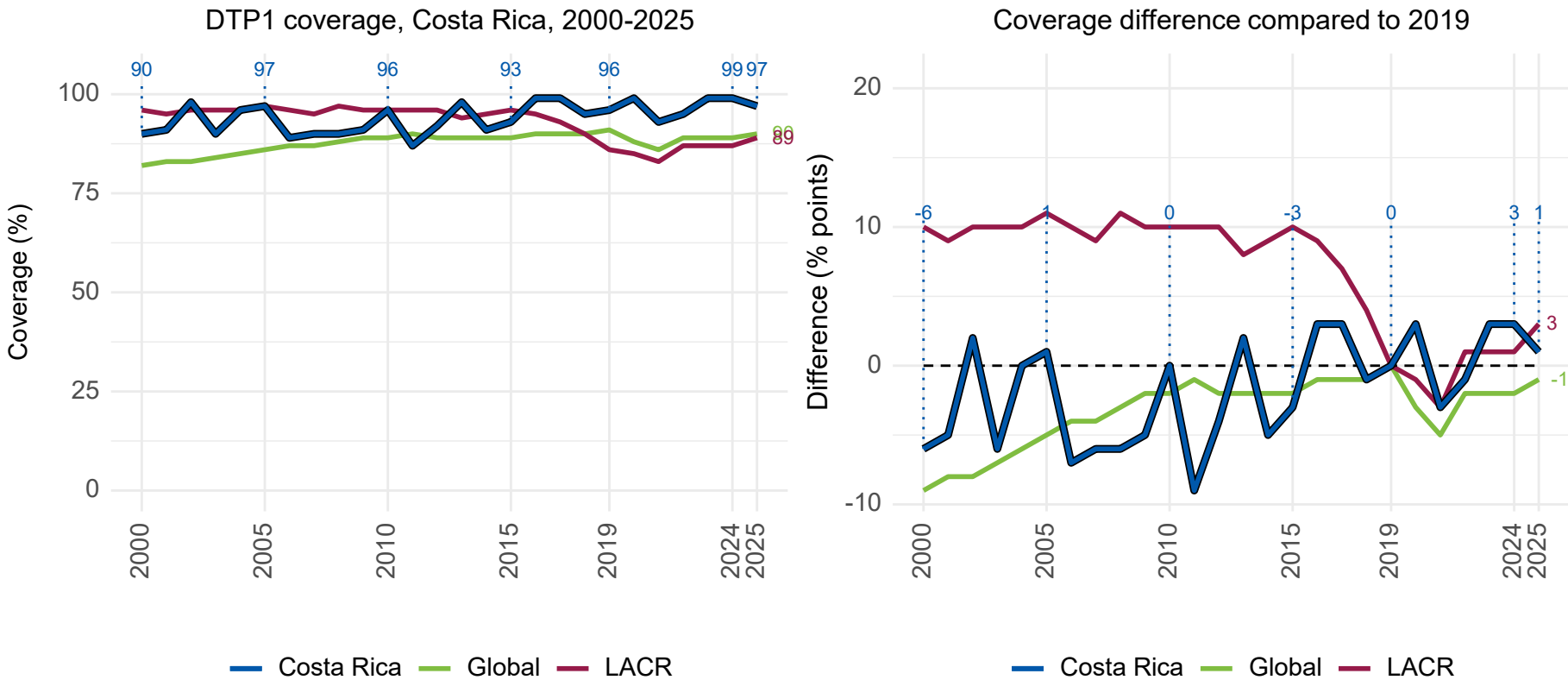
The key goal of the Immunization Agenda 2030 is to make vaccination available to everyone, everywhere, by 2030.

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 Costa Rica.

In 2025, DTP1 coverage in Costa Rica declined at 97%. The number of children missing out on any DTP vaccination (zero-dose children) increased from <1,000 in 2024 to 2,000 in 2025.

DTP3 coverage declined at 96% in 2025, leaving 2,000 children vulnerable to vaccine-preventable diseases.

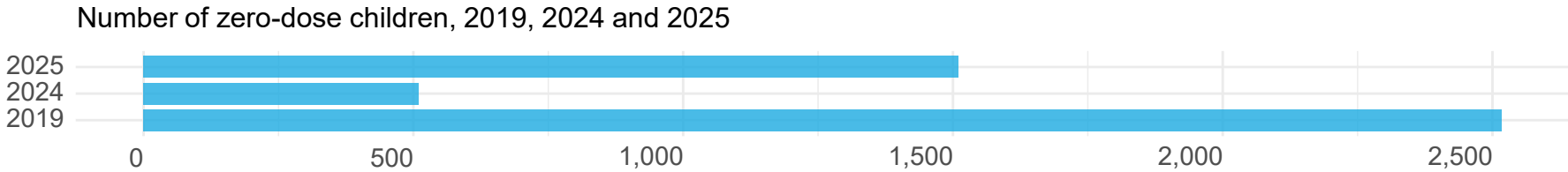
In 2025, Costa Rica DTP1 coverage was 97% - this is 1 percentage point higher than in 2019 and higher than both the global and regional averages.



In 2025, DTP1 coverage in Costa Rica (97%) was 7 percentage points higher than the global average (90%) and 8 percentage points higher than the average across all LACR countries (89%).

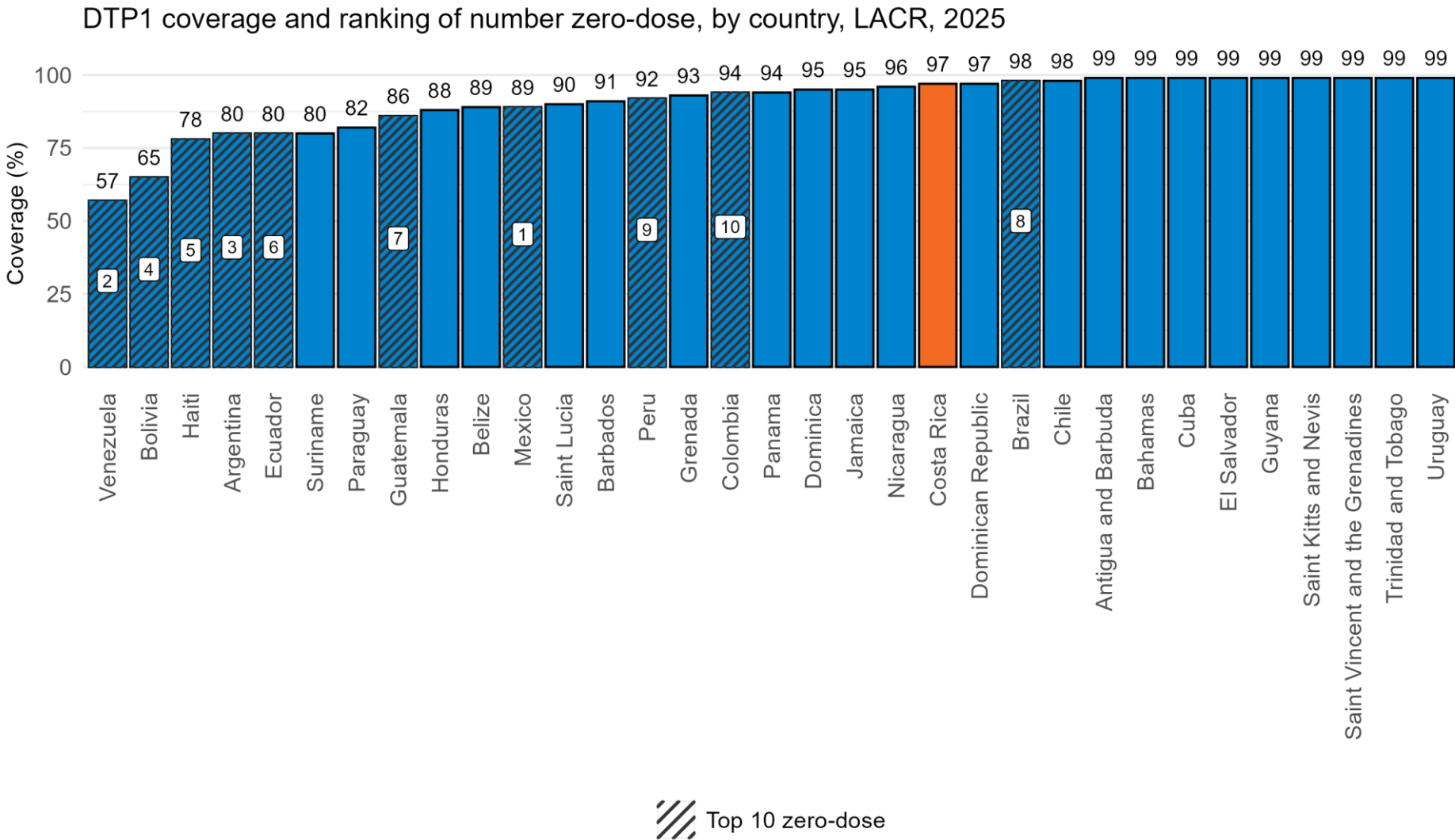
National DTP1 coverage was 1 percentage point higher than in 2019 (96%).

This equates to 2,000 zero-dose children in 2025 compared to 3,000 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, Costa Rica was among the countries with the highest coverage and was not among the top 10 countries with the highest number of zero-dose children in the region.



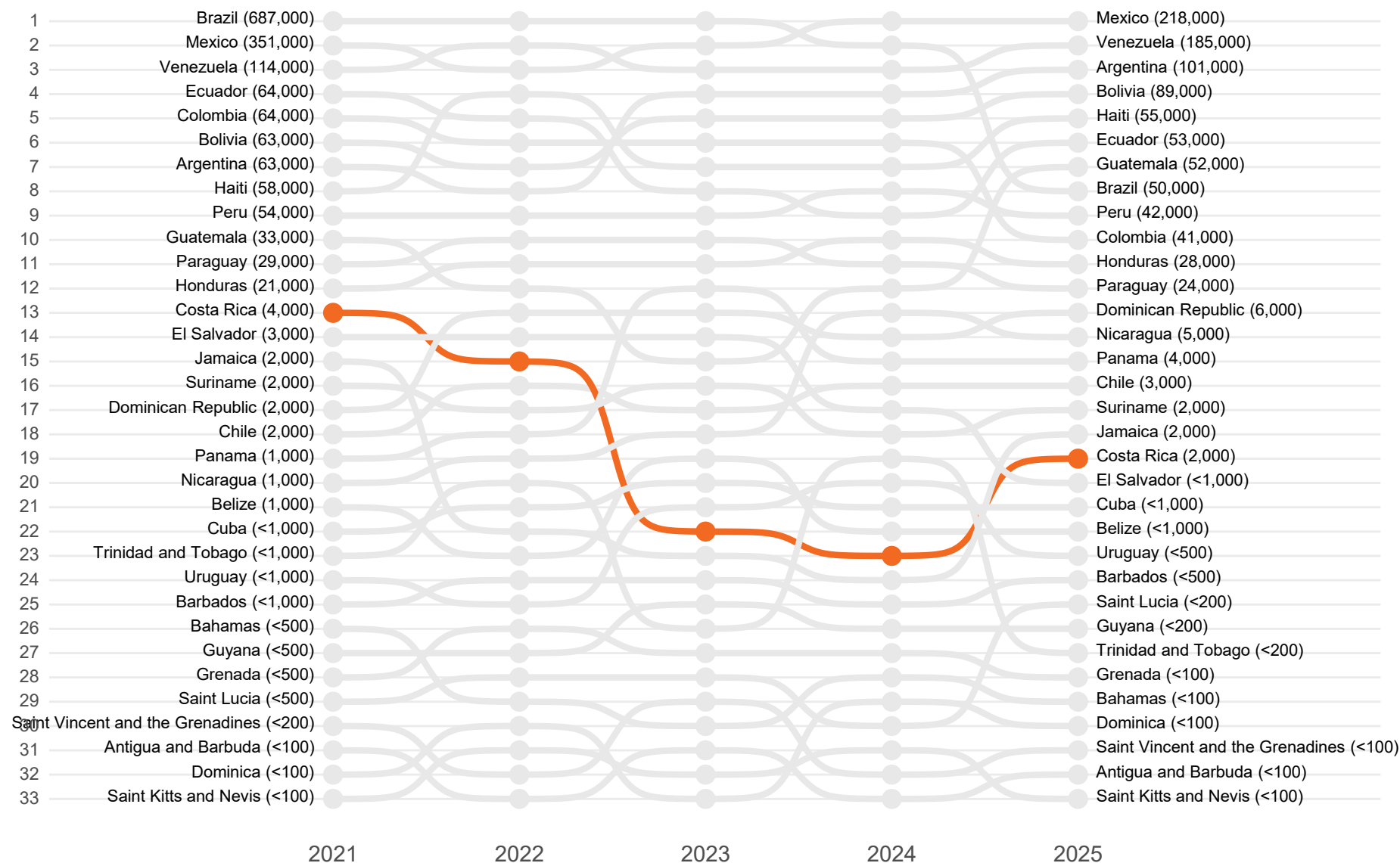
This chart shows DTP1 coverage in countries in LACR from lowest to highest coverage, and the rank of the top 10 countries with the most zero-dose children, based on absolute numbers.

In 2025, Costa Rica ranked number 21 out of 33 countries for lowest DTP1 coverage (based on tied ranks).

Costa Rica was not in the top 10 countries with the most zero-dose children.

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.

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



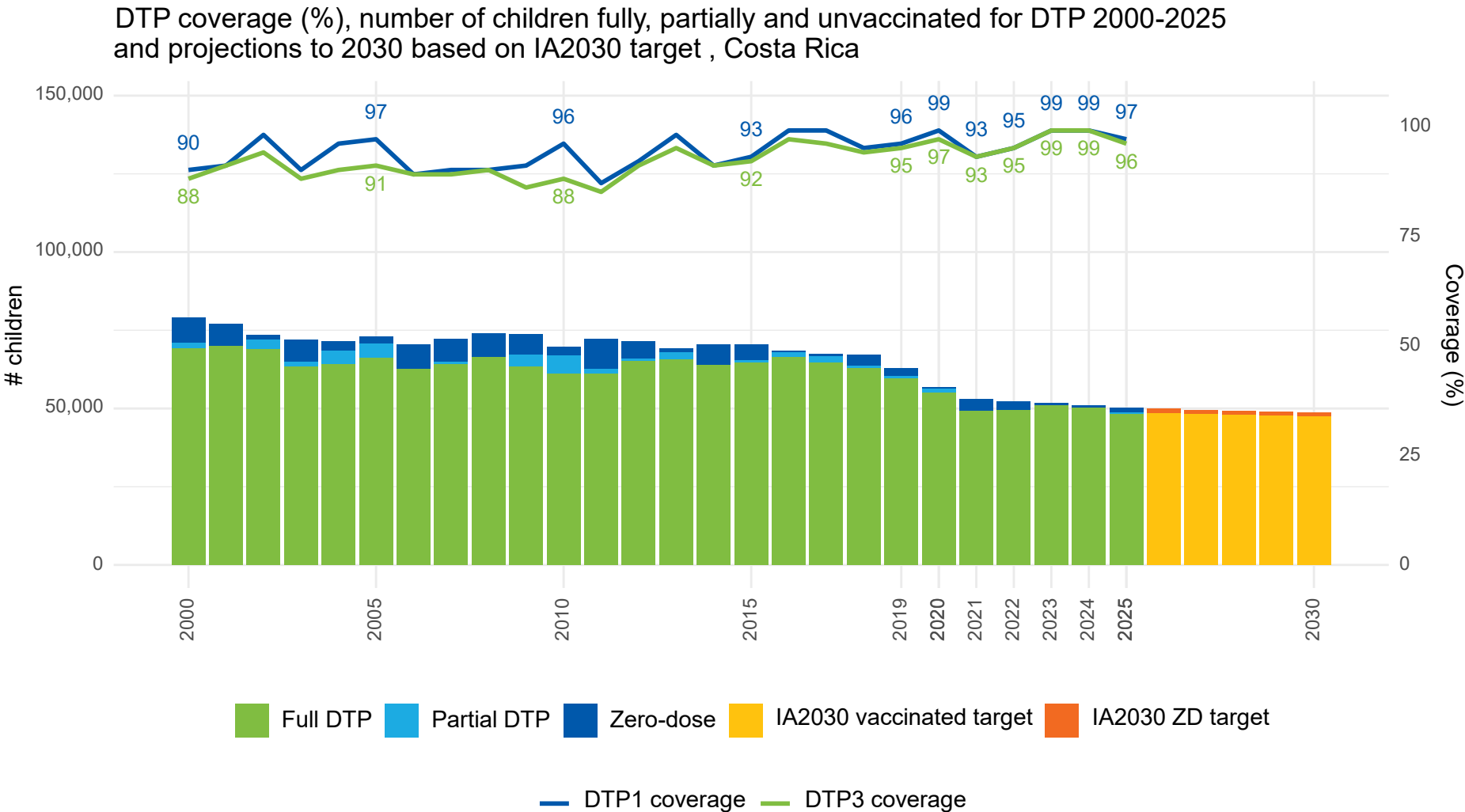
This chart compares the ranking of countries in the region based on the absolute number of zero-dose children, with rank 1 representing the country with the most zero-dose children.

In 2021, Costa Rica ranked number 13 out of 33 countries with 4,000 zero-dose children.

In 2025, Costa Rica ranked number 19 out of 33 countries with 2,000 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.

Costa Rica is on track to halve zero-dose children by 2030, but sustaining progress will require continued strengthening of immunization systems.



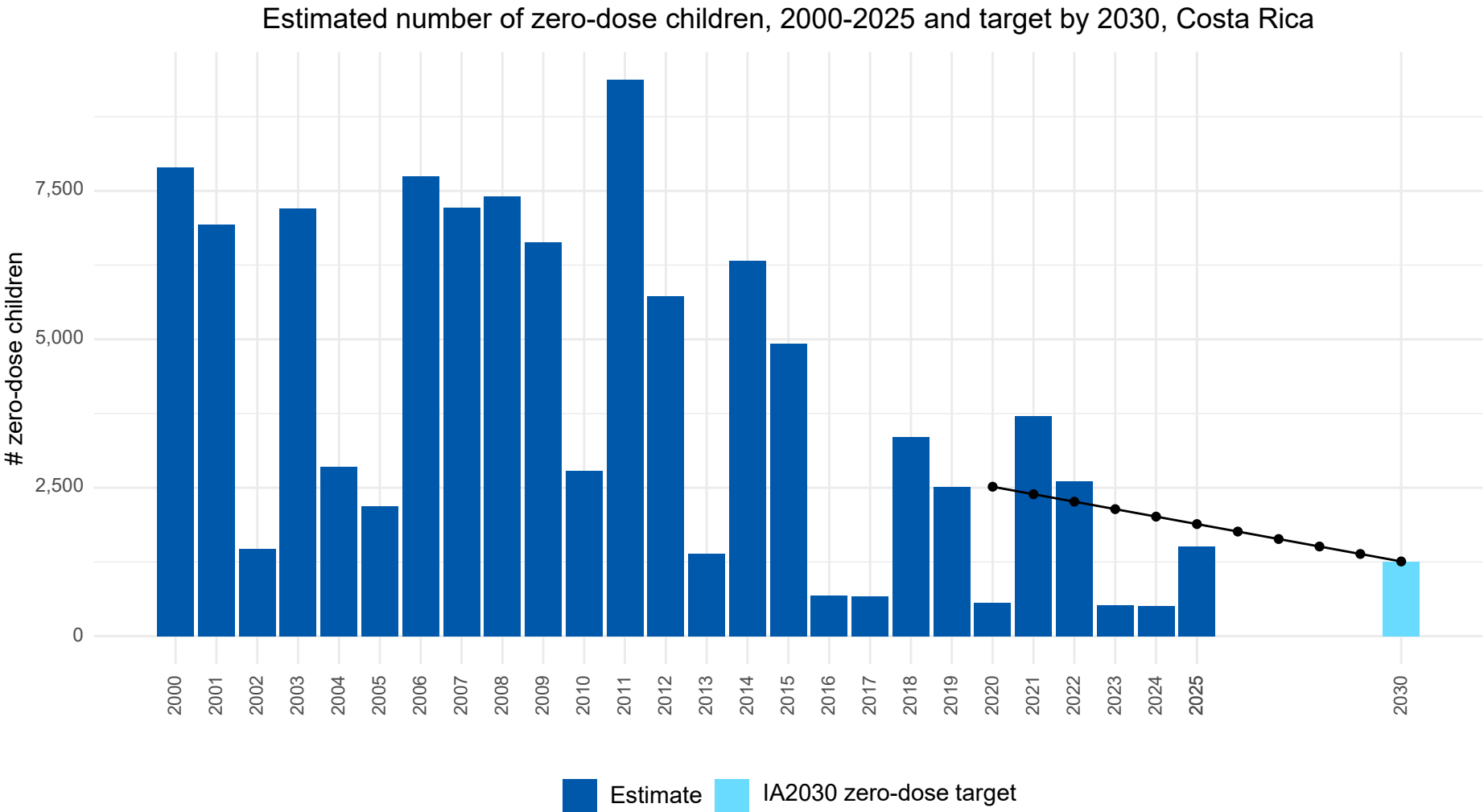
Sources: WHO/UNICEF Estimates of National Immunization Coverage, 2025 revision; United Nations, Department of Economic and Social Affairs, Population Division (2024). World Population Prospects 2024, Online Edition. Note: The Immunization Agenda 2030 (IA2030) calls on all countries to reduce the number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

Costa Rica is projected to have a decline in the number of surviving infants by 2030. To achieve the IA2030 ZD target, current efforts would be sufficient, however, countries must strengthen beyond the targets.

In 2025, the number of zero-dose children was 20% below the annual IA2030 goal, positioning the programme to reach, and potentially exceed the 2030 goal if current progress continues.



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

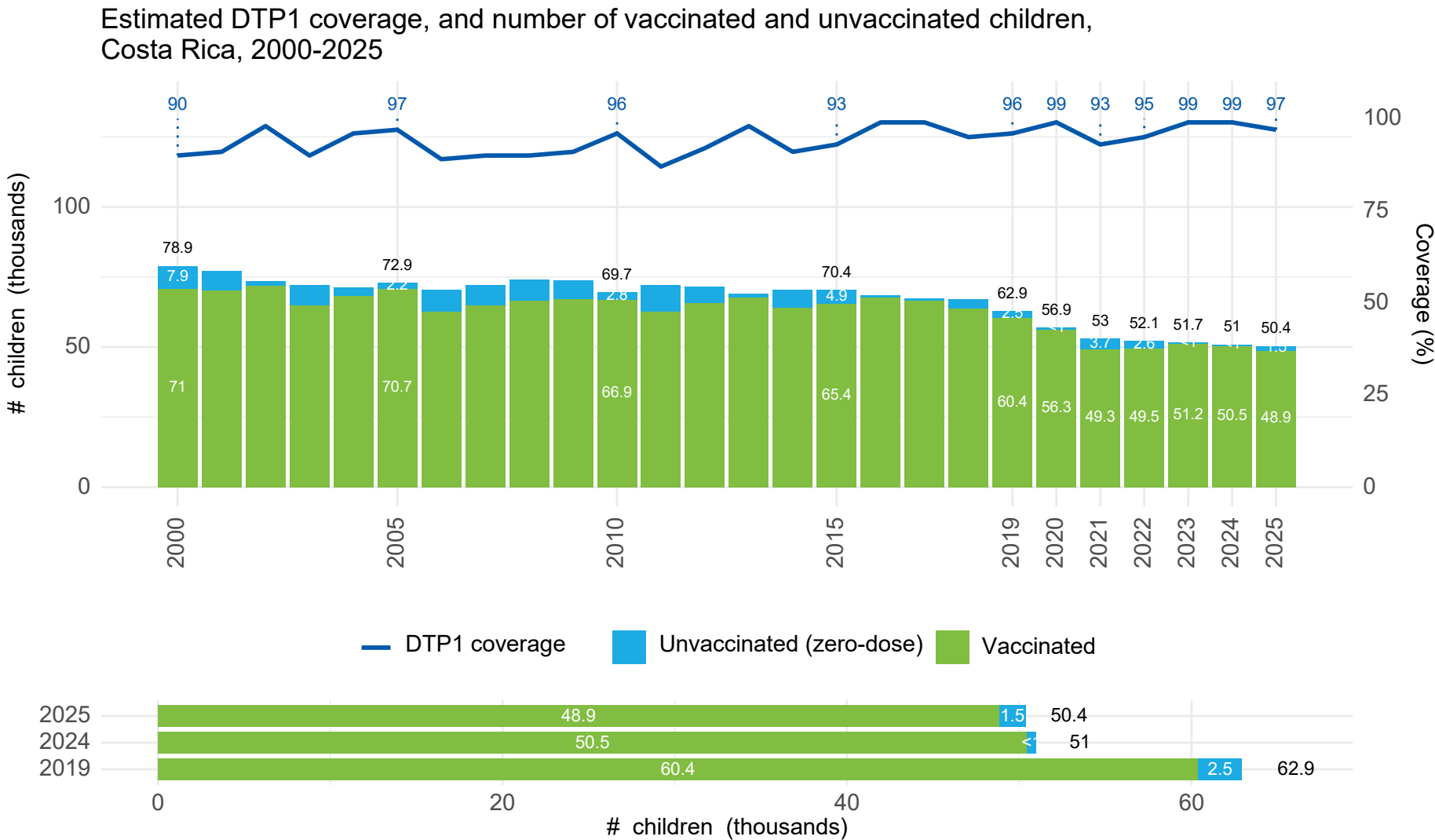
Note: The Immunization Agenda 2030 (IA2030) calls on all countries to reduce the number of zero dose children in 2019 by half by 2030. Dark blue bars are the estimated number of zero-dose children in 2000-2025, light blue bar is the target number of zero-dose children by 2030. The line and points show 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 20% lower than (ie. the country had achieved) 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 needs to either increase or decline at a slower rate than the decline in surviving infant target population.



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

DTP1 coverage in 2025 (97%) was relatively constant within 1% compared to 2019 (96%).

The number of children vaccinated with DTP1 decreased 19% compared to in 2019.

The number of surviving infants decreased approximately 20% compared to in 2019.

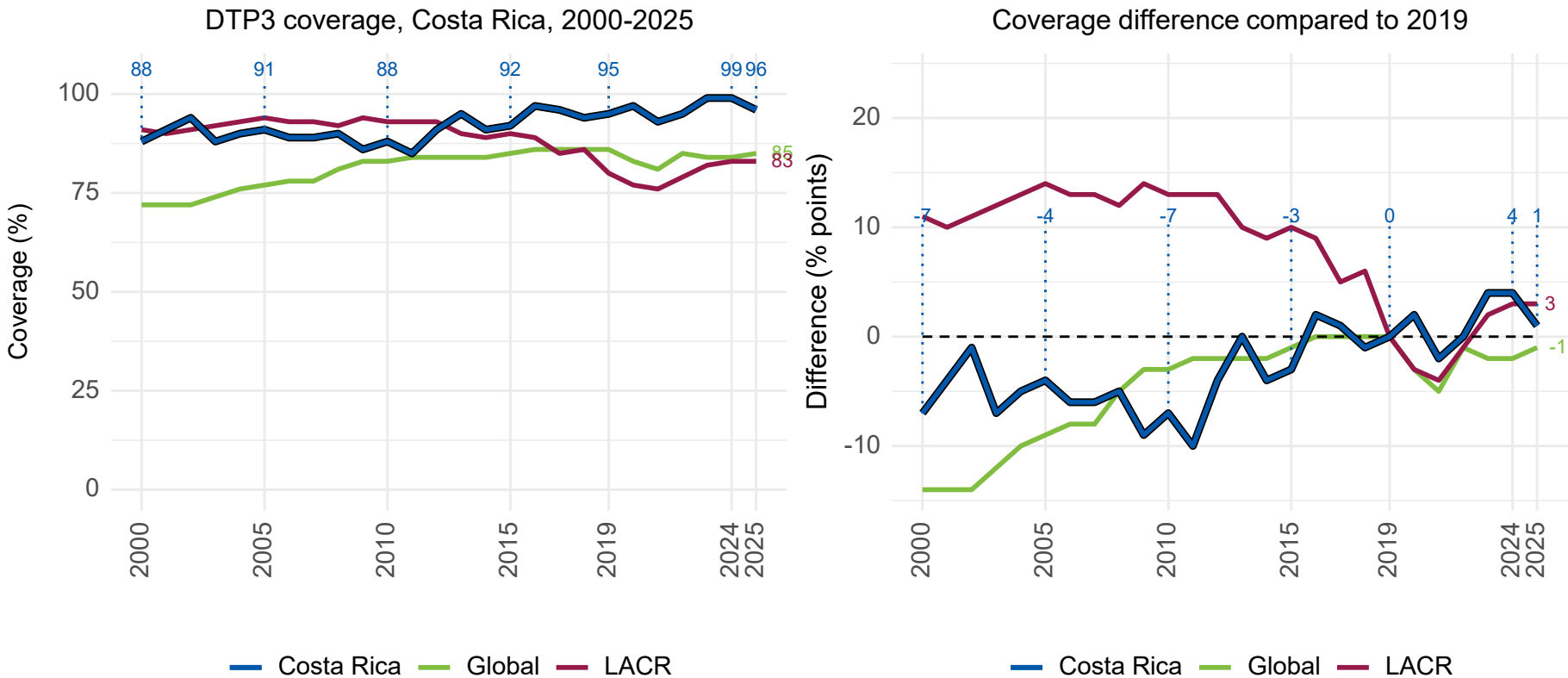
In 2025, fewer children were vaccinated than in 2019.

In 2025, there were fewer surviving infants (target population) than in 2019.

For vaccine coverage to increase, the number of children vaccinated needs to either increase or decline at a slower rate than the decline in surviving infant target population.

DTP3

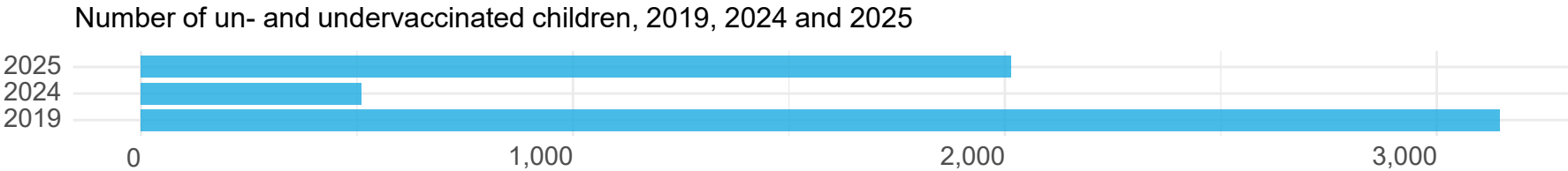
In 2025, Costa Rica DTP3 coverage was 96% - this is 1 percentage point higher than in 2019 and more than 10 percentage points higher than both the global and regional averages.



In 2025, DTP3 coverage in Costa Rica (96%) was 11 percentage points higher than the global average (85%) and 13 percentage points higher than the average across all LACR countries (83%).

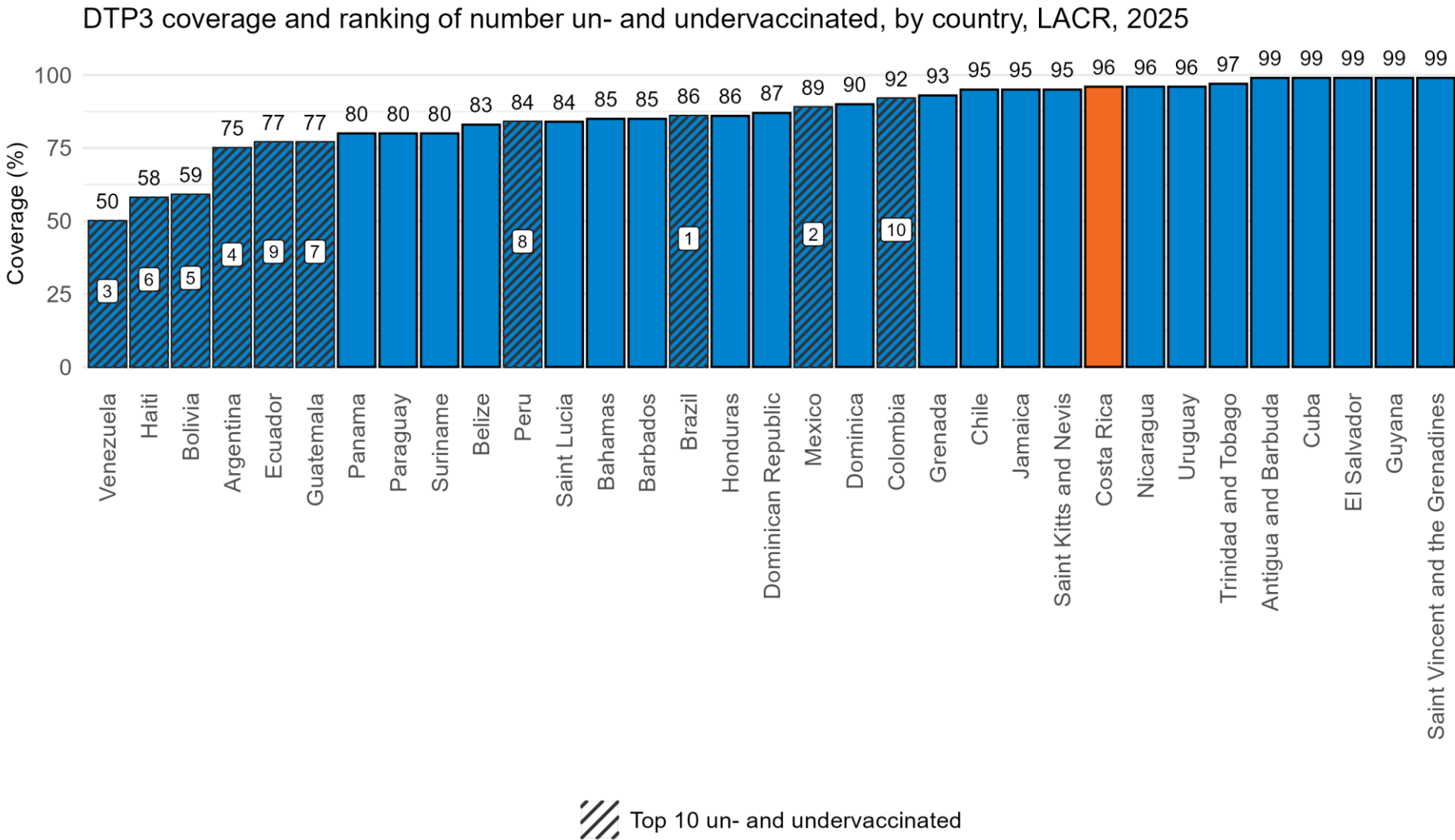
National DTP3 coverage was 1 percentage point higher than in 2019 (95%).

This equates to 2,000 un- and undervaccinated children in 2025 compared to 3,000 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, Costa Rica was among the countries with the highest coverage and was not among the top 10 countries with the highest number of un- and undervaccinated children in the region.



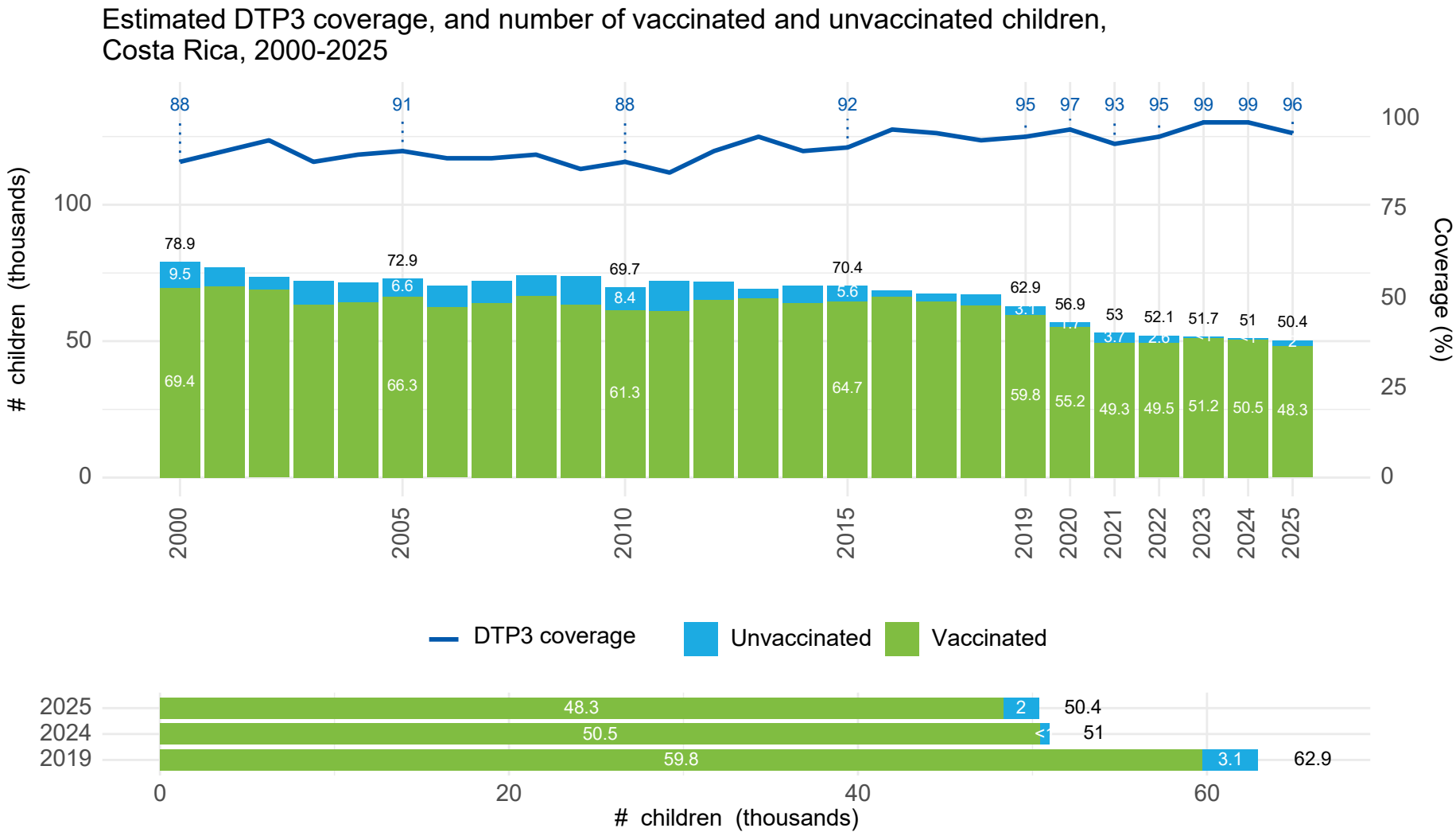
This chart shows DTP3 coverage in countries in LACR from lowest to highest coverage, and the rank of the top 10 countries with the most un- and undervaccinated children, based on absolute numbers.

In 2025, Costa Rica ranked number 25 out of 33 countries for lowest DTP3 coverage (based on tied ranks).

Costa Rica was not in the top 10 countries with the most un- and undervaccinated children.

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 needs to either increase or decline at a slower rate than the decline in surviving infant target population.



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

DTP3 coverage in 2025 (96%) was relatively constant within 1% compared to 2019 (95%).

The number of children vaccinated with DTP3 decreased 19% compared to in 2019.

The number of surviving infants decreased approximately 20% compared to in 2019.

In 2025, fewer children were vaccinated than in 2019.

In 2025, there were fewer surviving infants (target population) than in 2019.

For vaccine coverage to increase, the number of children vaccinated needs to either increase or decline at a slower rate than the decline in surviving infant target population.

MCV1

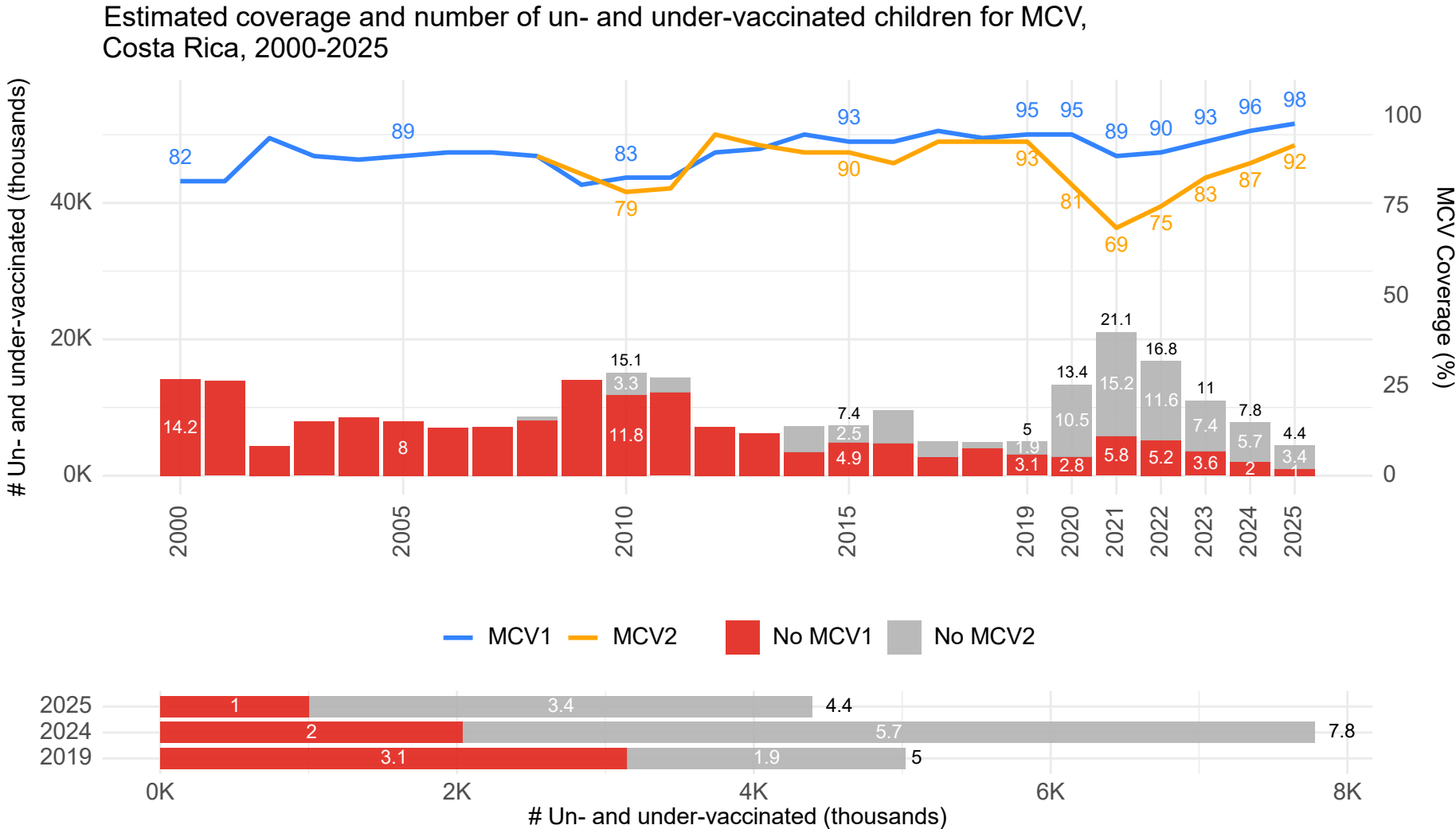
MCV1 coverage increased to from 96% in 2024 to 98% in 2025, leaving 1,000 children without any protection against measles. MCV2 coverage increased to from 87% in 2024 to 92% in 2025

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 98%. This is greater than in 2019, where coverage was 95%.

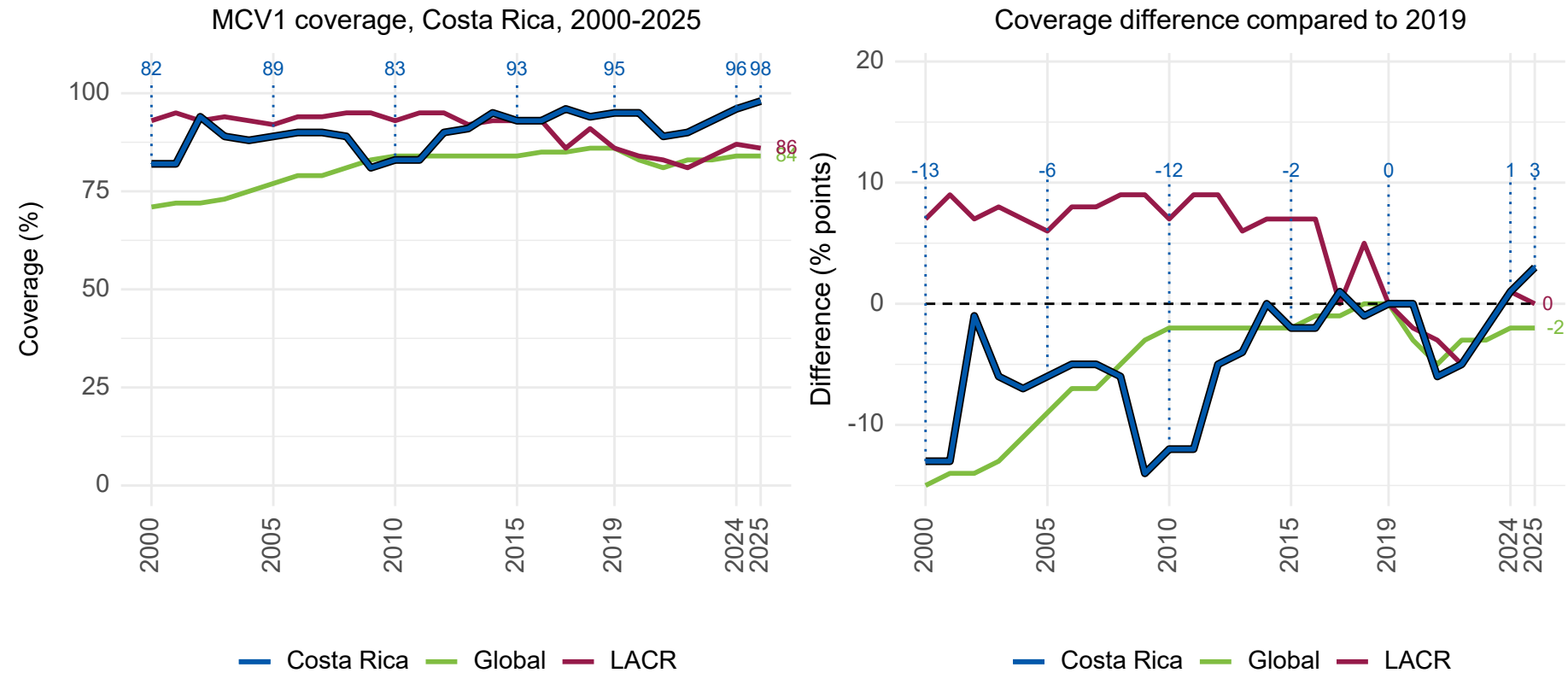
1,000 children missed their routine first dose of measles vaccine.

MCV2 is typically administered to children between 18 months and five years old. MCV2 coverage increased to 92% in 2025.



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

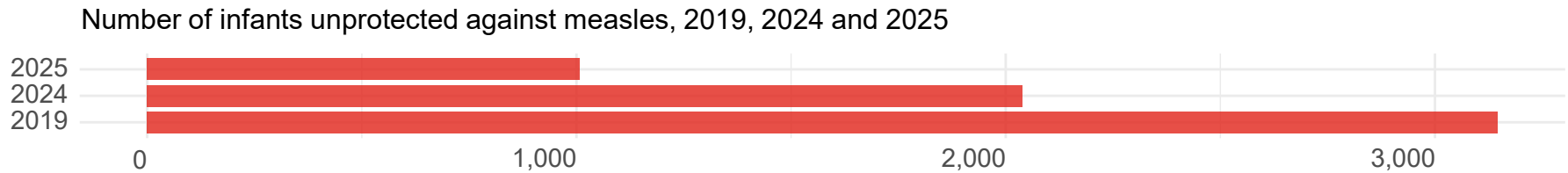
In 2025, Costa Rica MCV1 coverage was 98% - this is 3 percentage points higher than in 2019 and more than 10 percentage points higher than both the global and regional averages.



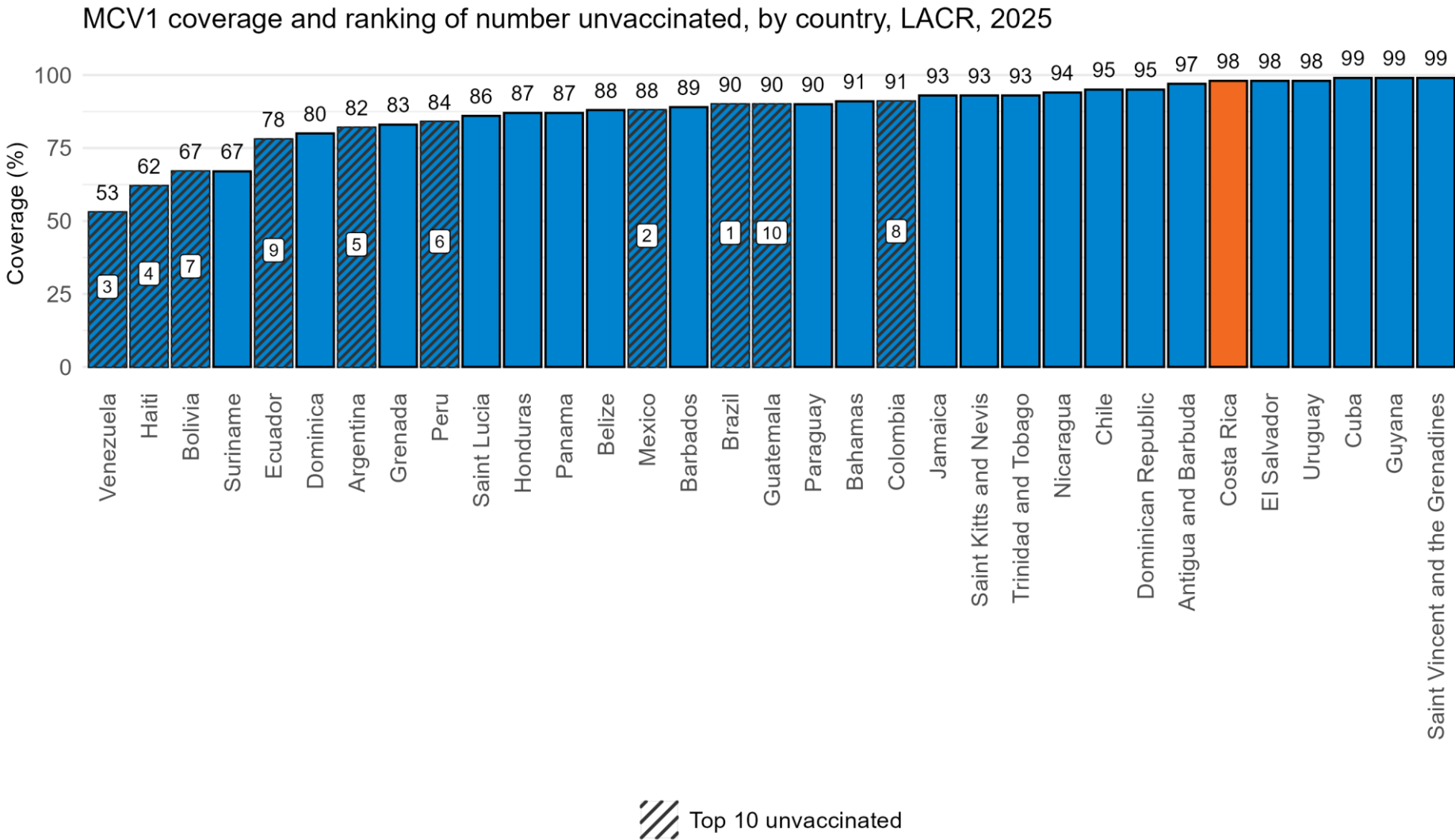
In 2025, MCV1 coverage in Costa Rica (98%) was 14 percentage points higher than the global average (84%) and 12 percentage points higher than the average across all LACR countries (86%).

National MCV1 coverage was 3 percentage points higher than in 2019 (95%).

This equates to 1,000 unvaccinated children in 2025 compared to 3,000 unvaccinated children in 2019.



In 2025, Costa Rica had MCV1 coverage of 98% and was not among the top 10 countries with the highest number of unvaccinated children in the region.



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

In 2025, Costa Rica ranked number 28 out of 33 countries for lowest MCV1 coverage (based on tied ranks).

Costa Rica was not in the top 10 countries with the most unvaccinated children.

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 needs to either increase or decline at a slower rate than the decline in surviving infant target population.

MCV1 coverage in 2025 (98%) was higher than in 2019 (95%).

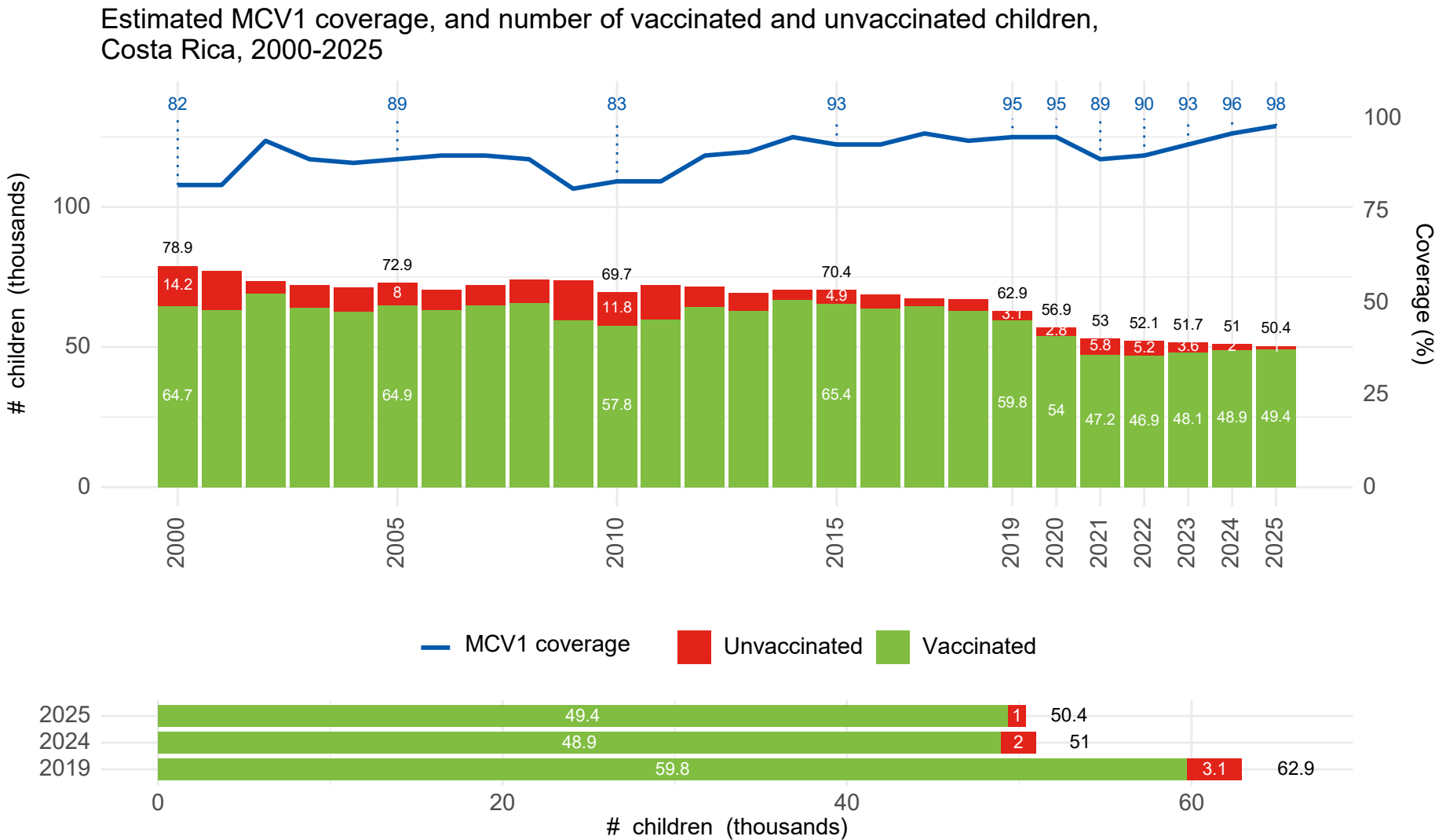
The number of children vaccinated with MCV1 decreased 17% compared to in 2019.

The number of surviving infants decreased approximately 20% compared to in 2019.

In 2025, fewer children were vaccinated than in 2019.

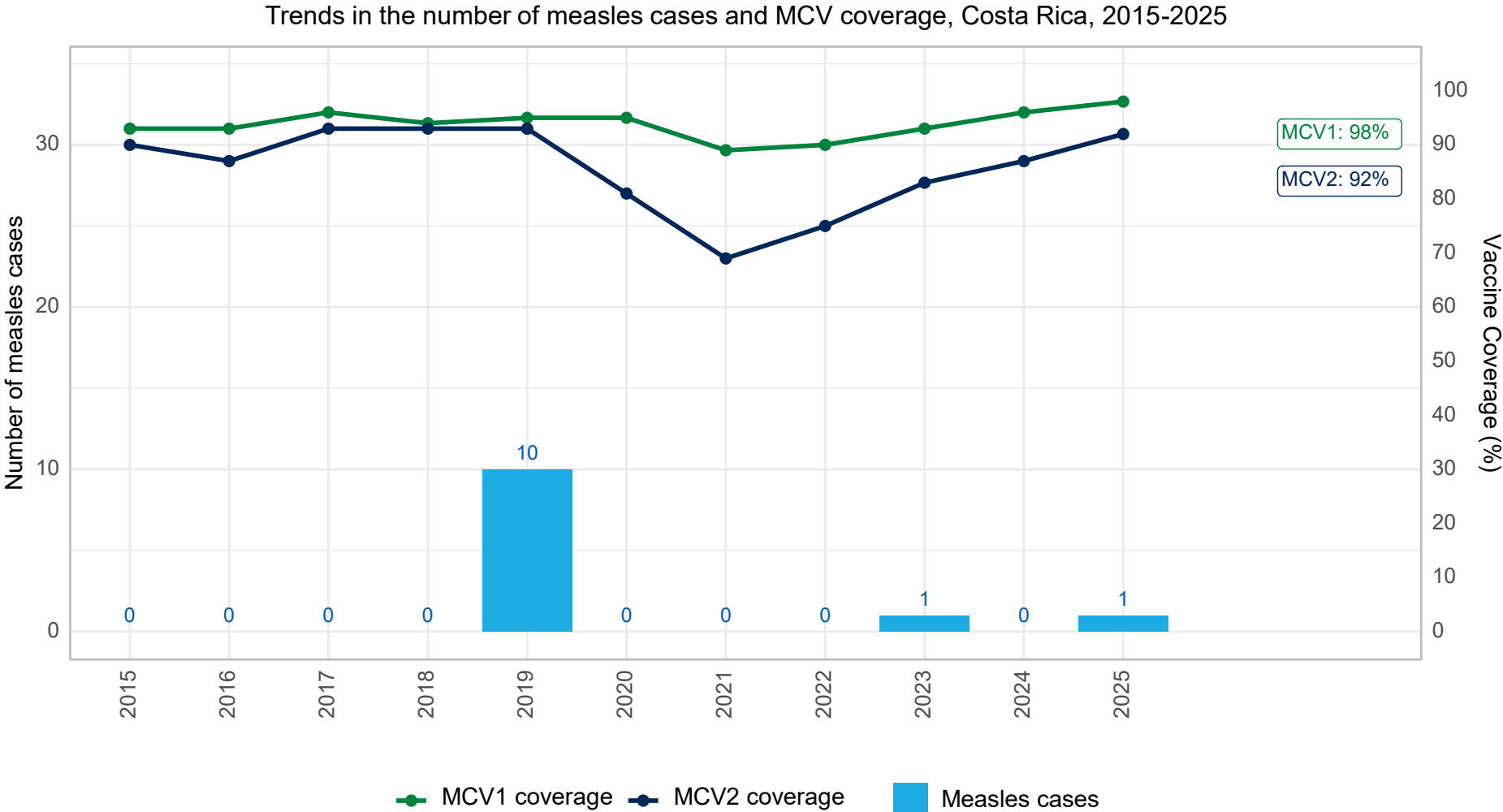
In 2025, there were fewer surviving infants (target population) than in 2019.

For vaccine coverage to increase, the number of children vaccinated needs to either increase or decline at a slower rate than the decline in surviving infant target population.



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

In 2025, Costa Rica experienced an increase in measles cases compared with 2024, while MCV1 coverage was 98% and MCV2 coverage was 92%.



In 2025, there was a total of 1 confirmed measles cases in Costa Rica. In the same year, MCV1 coverage was 98% and MCV2 coverage was 92%.

There were no confirmed cases in the previous year (n=0).

The highest number of measles cases was reported in 2019 (n=10). In this year, MCV1 coverage was 95%.

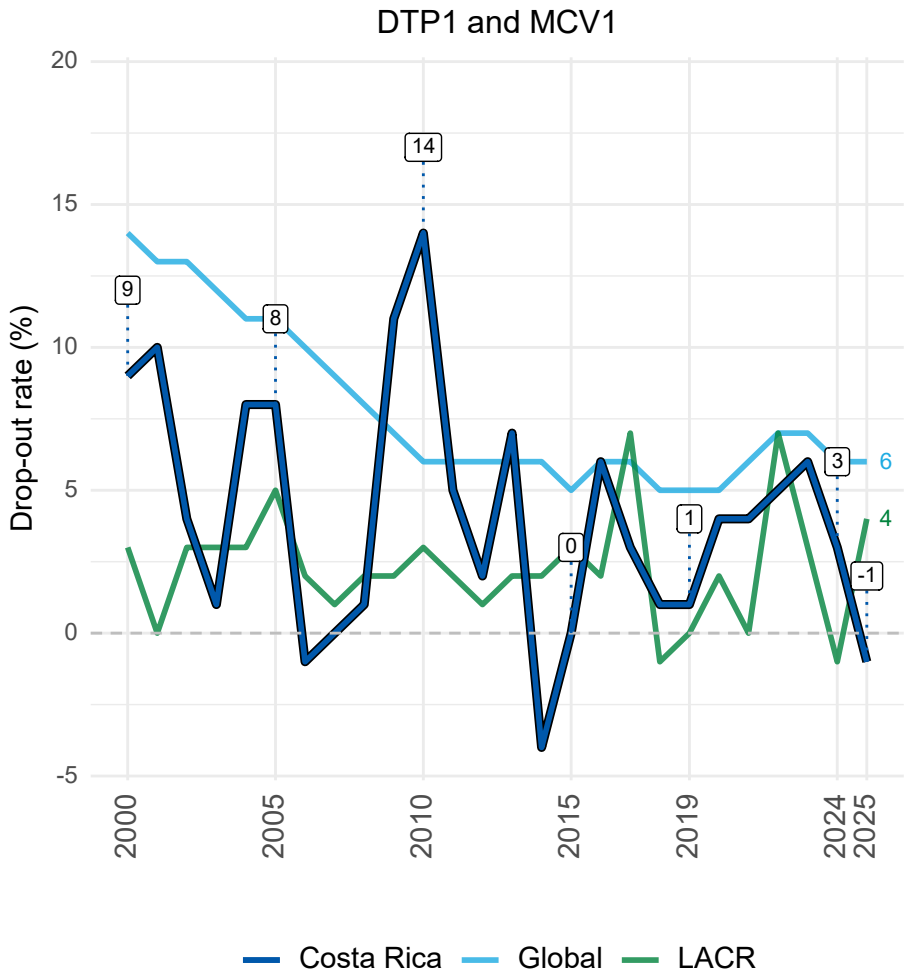
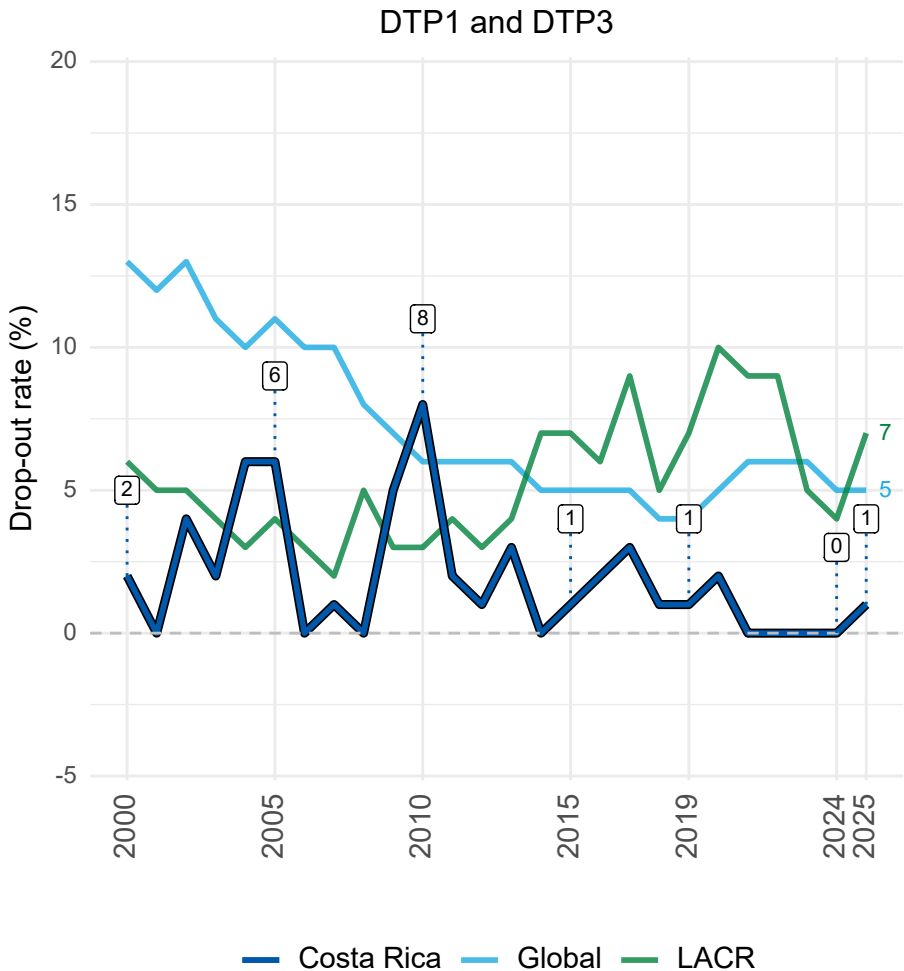
Source: WHO/UNICEF Estimates of National Immunization Coverage, 2025 revision; Reported measles and rubella cases and incidence rates by WHO Member States, as of 12 June 2026. Provisional data based on monthly data reported to WHO (Geneva) as of 12 June 2026.

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 low in Costa Rica, indicating good retention of children in immunization programmes, and current efforts to ensure follow up are successful.

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.

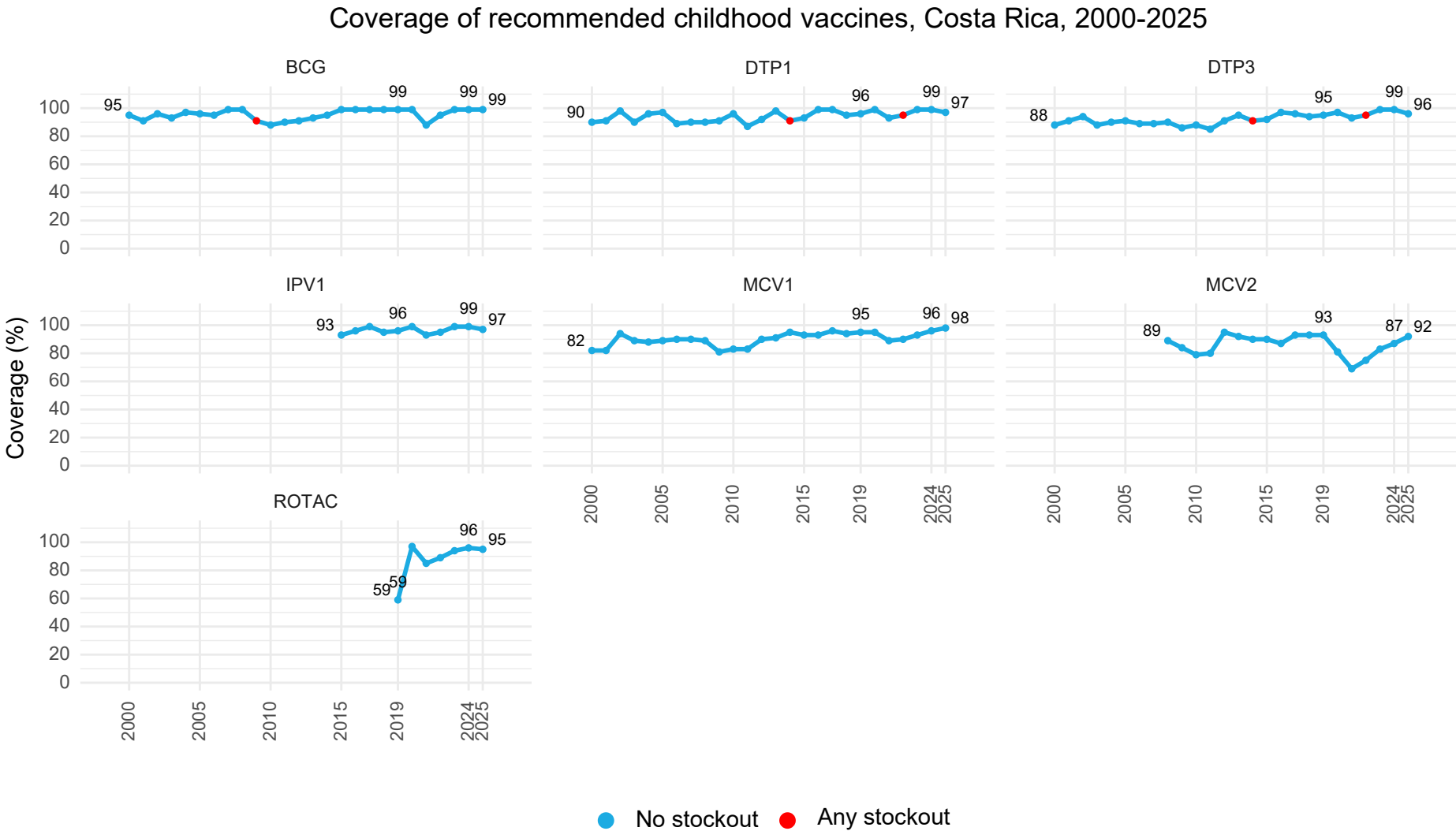
This chart shows trends in drop-out rates between DTP1 and DTP3, and DTP1 and MCV1.

In 2025, 1% of children who received DTP1 did not receive DTP3 (left), and -1% of children who received DTP1 did not receive MCV1 (right).

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

In 2025, Costa Rica DTP drop-out was lower than the global rate, while DTP-MCV drop-out was lower than the global rate.

In 2025, Costa Rica had its lowest coverage in MCV2 (92%), while most other routine vaccines clustered around 95-99%; 5 antigens increased since 2019, and 4 antigens decreased since 2024.



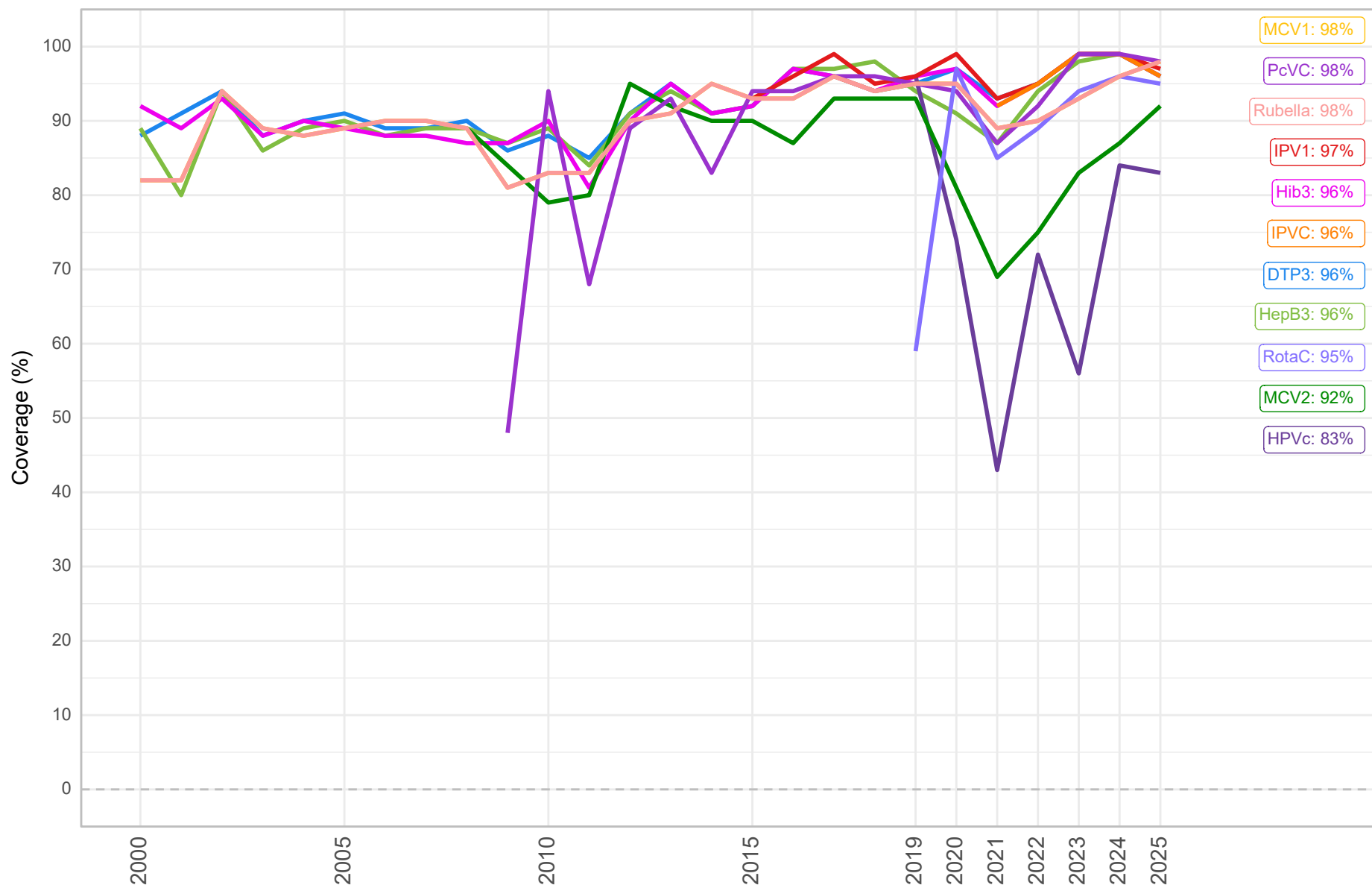
This chart shows trends in coverage of selected core routine vaccines recommended in childhood.

In 2025, MCV2 had the lowest coverage (92%), followed by ROTAC (95%).

Compared to 2019, coverage of one vaccine remained constant (BCG), 5 vaccines increased (DTP1, DTP3, IPV1, MCV1 and ROTAC), and one vaccine decreased (MCV2).

Compared to 2024, coverage of one vaccine remained constant (BCG), 4 vaccines decreased (DTP1, DTP3, IPV1 and ROTAC), and 2 vaccines increased (MCV1 and MCV2).

Vaccine coverage (%), Costa Rica, 2000-2025



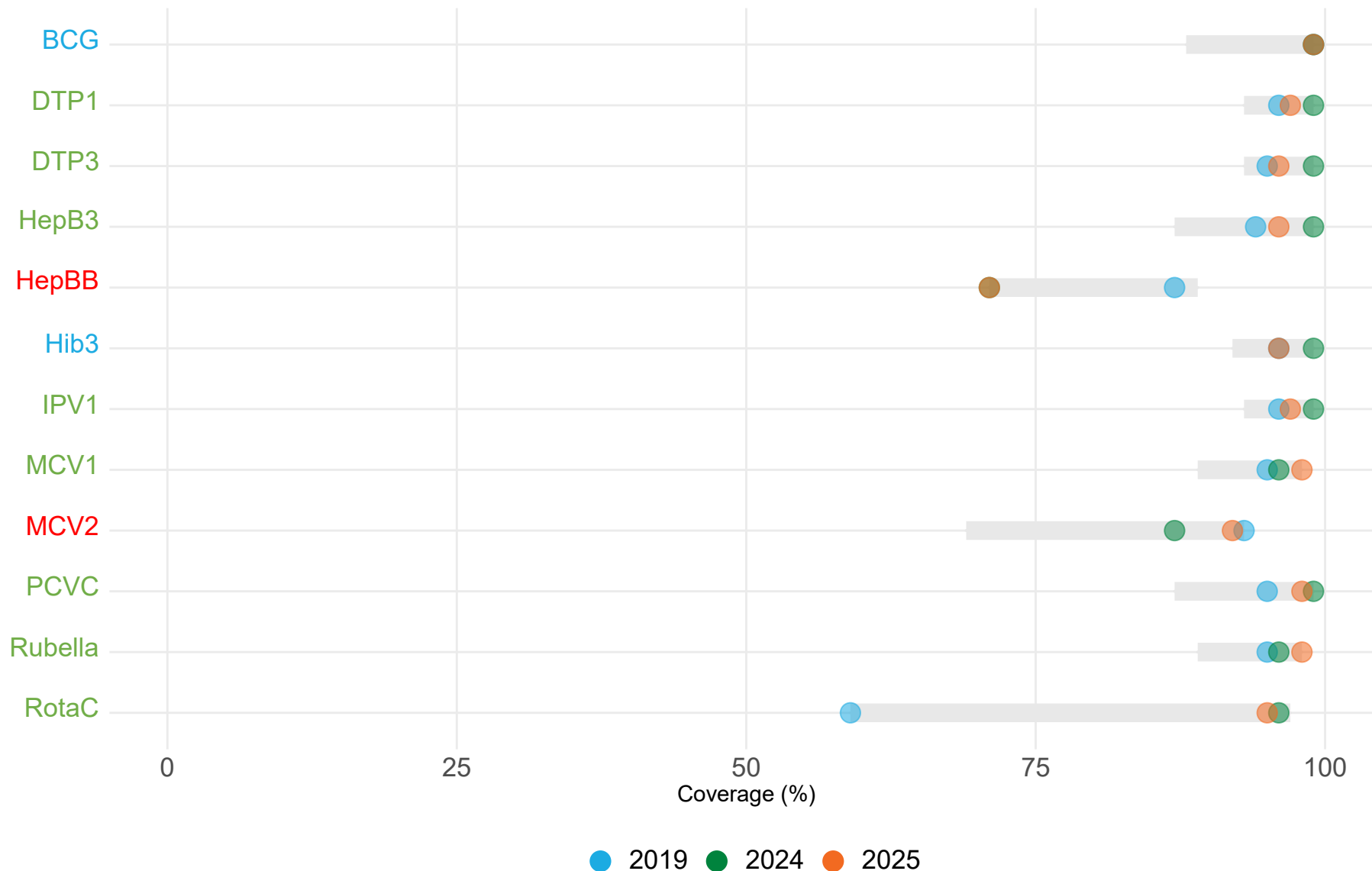
This chart shows trends in coverage of 10 vaccines (complete series).

In 2025, HPVc had the lowest coverage of all vaccines (83%), followed by MCV2 (92%).

Coverage of 6 vaccines increased (DTP3, HEPB3, IPV1, MCV1, ROTAC and RUBELLA), 1 vaccine was the same (HIB3), and 2 vaccines decreased (HPVC and MCV2) compared to respective coverage in 2019.

Coverage of 7 vaccines decreased (DTP3, HEPB3, HIB3, HPVC, IPV1, IPVC and ROTAC) and 3 vaccines increased (MCV1, MCV2 and RUBELLA) compared to respective coverage in 2024.

Vaccine coverage (%), Costa Rica, 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 increased between 2019 (96%) and 2024 (99%). DTP1 coverage declined in 2025 (97%) compared to 2024, and was higher than in 2019. In 2019-2025, DTP1 coverage was at it's lowest level in 2021 (93%).

In 2024, 2 vaccines had lower coverage than in 2019.

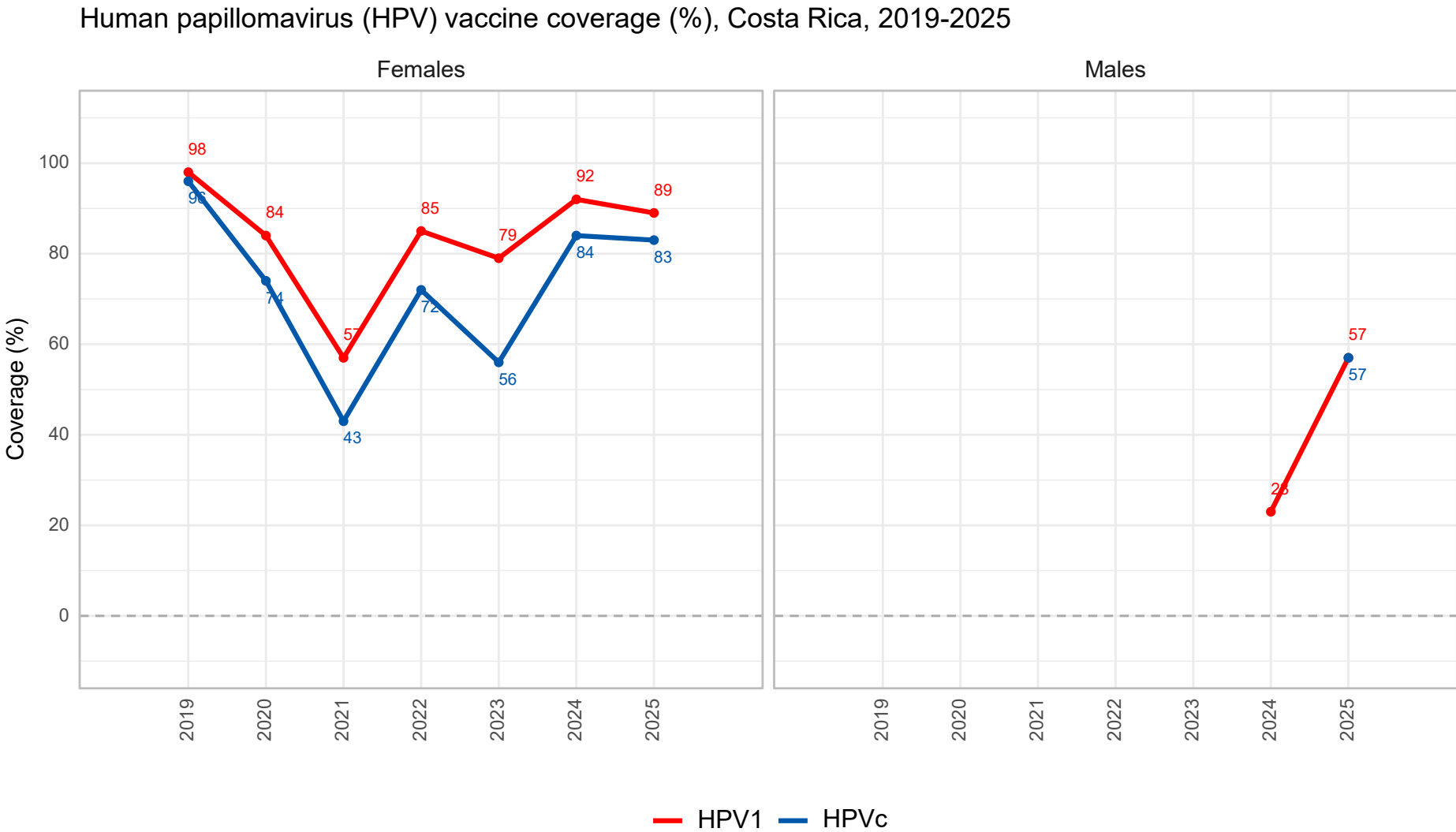
In 2025, 2 vaccines had lower coverage than in 2019.

In 2025, 7 vaccines had lower coverage than in 2024.

HPV vaccination

Methods: • [Bruni et al. 2021, HPV vaccination introduction worldwide and WHO and UNICEF estimates of national HPV immunization coverage 2010–2019 \(supplementary materials\).](#)

In 2025, HPV last dose coverage among girls declined to 83% and coverage among boys stood at 57%.



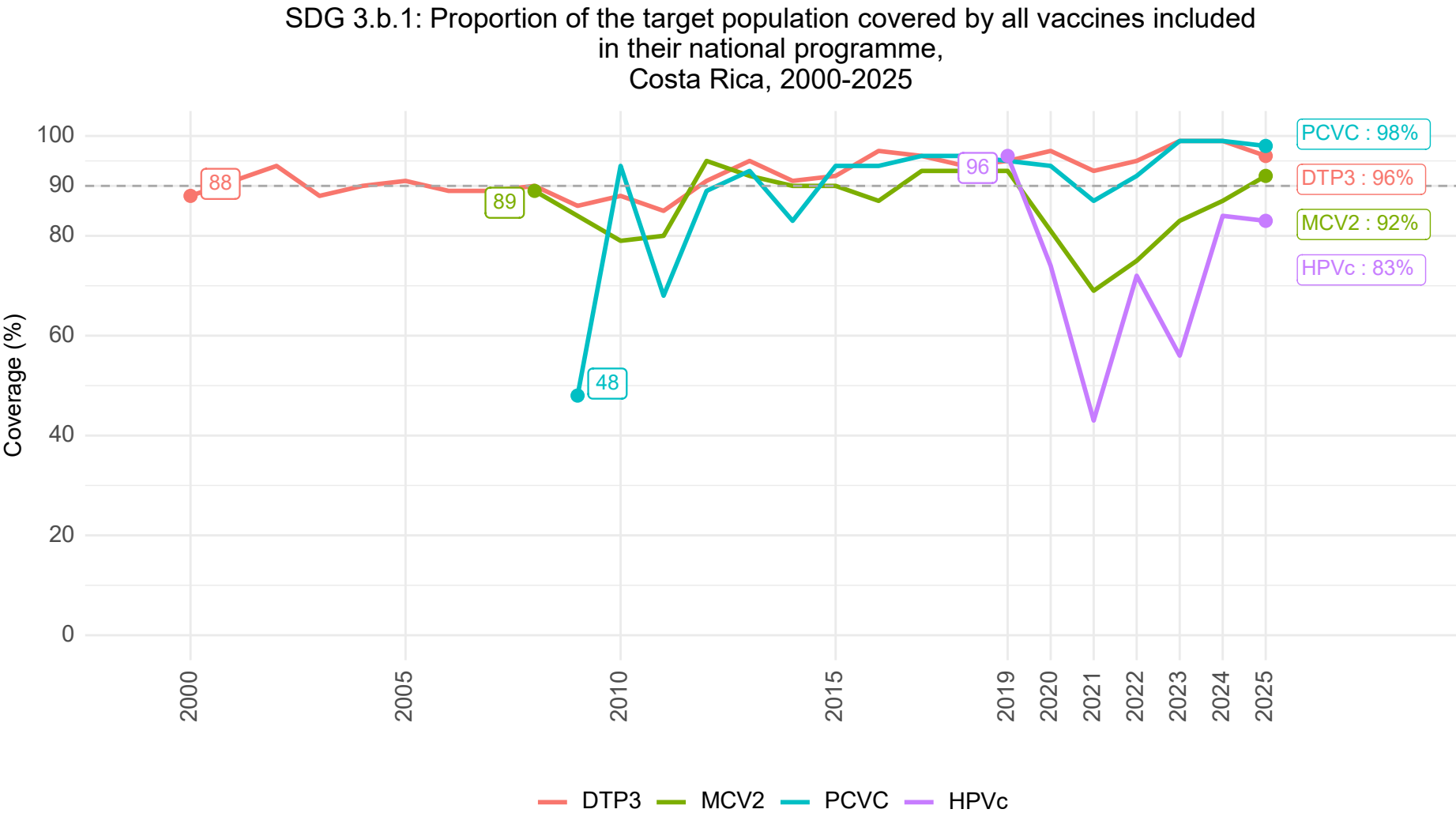
The first year of HPV programme coverage estimates in Costa Rica was 2019.

In 2025, first dose (HPV1) programme coverage among girls was 89%. In 2025, last dose (HPVc) programme coverage among girls was 83%.

Source: WHO/UNICEF Estimates of National Immunization Coverage, 2025 revision.
For some countries, if HPV vaccine is in the schedule, but the country did not report data in a given year, HPV programme coverage estimates are not produced.

SDG 3.b.1

In 2025, Costa Rica met the 90% SDG coverage target for DTP3, MCV2, and PCVC, but not for the remaining vaccines.



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.

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.

Costa Rica has all 4 of the SDG vaccines.

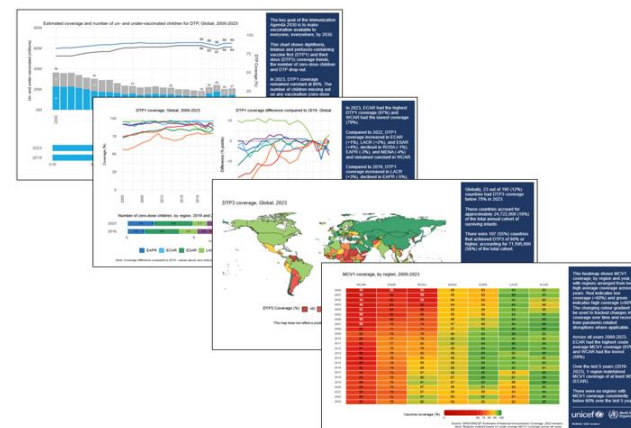
In 2025, Costa Rica had achieved at least 90% coverage of 3 out of the 4 vaccines.

Additional resources

[illegible]

	A	B	C	D	E	F	G	H	I	J
1	unicef_regio	isoc3	country	vaccine	year	target_grp	coverage	vaccinated	unvaccinated	target
2	ROSA	AFG	Afghanistan bcg		1982	births	10	57,000	514,000	571,000
3	ROSA	AFG	Afghanistan bcg		1983	births	10	56,000	503,000	539,000
4	ROSA	AFG	Afghanistan bcg		1984	births	11	62,000	501,000	563,000
5	ROSA	AFG	Afghanistan bcg		1985	births	17	100,000	490,000	591,000
6	ROSA	AFG	Afghanistan bcg		1986	births	18	107,000	489,000	596,000
7	ROSA	AFG	Afghanistan bcg		1987	births	27	161,000	434,000	595,000
8	ROSA	AFG	Afghanistan bcg		1988	births	40	238,000	358,000	596,000
9	ROSA	AFG	Afghanistan bcg		1989	births	38	233,000	380,000	614,000
10	ROSA	AFG	Afghanistan bcg		1990	births	30	191,000	446,000	637,000
11	ROSA	AFG	Afghanistan bcg		1991	births	21	134,000	505,000	640,000
12	ROSA	AFG	Afghanistan bcg		1992	births	19	127,000	541,000	668,000
13	ROSA	AFG	Afghanistan bcg		1993	births	17			760,000
14	ROSA	AFG	Afghanistan bcg		1994	births	15			852,000
15	ROSA	AFG	Afghanistan bcg		1995	births				899,000
16	ROSA	AFG	Afghanistan bcg		1996	births				932,000
17	ROSA	AFG	Afghanistan bcg		1997	births				962,000
18	ROSA	AFG	Afghanistan bcg		1998	births				986,000
19	ROSA	AFG	Afghanistan bcg		1999	births				1,013,000
20	ROSA	AFG	Afghanistan bcg		2000	births	30			1,037,000
21	ROSA	AFG	Afghanistan bcg		2001	births	43	455,000	596,000	1,007,000
22	ROSA	AFG	Afghanistan bcg		2002	births	46	467,000	548,000	1,015,000

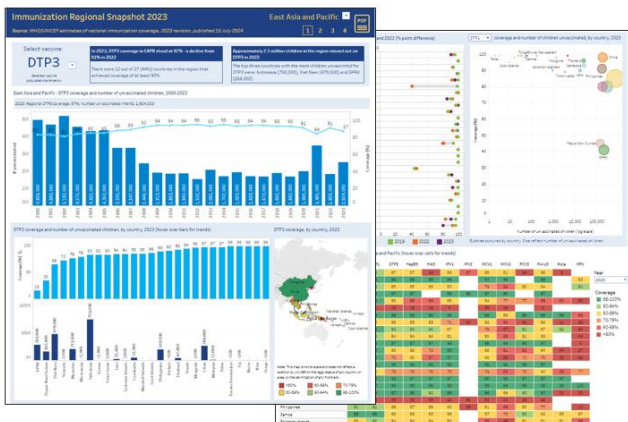
UNICEF, WHO, World Bank, Gavi and
African Union regions



Additional immunization data resources can be found at:

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

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



The collage features several distinct data visualizations:

- Top Left:** A line chart titled "African Coverage Page by Vaccine and Year, 2010-2020" showing coverage percentages for various vaccines over time.
- Top Center:** A line chart titled "Number of Children Vaccinated by Vaccine and Year, 2010-2020" showing the number of children vaccinated for different vaccines over time.
- Top Right:** A line chart titled "Number of Children Vaccinated by Vaccine and Year, 2010-2020" showing the number of children vaccinated for different vaccines over time.
- Middle Left:** A line chart titled "Number of Children Vaccinated by Vaccine and Year, 2010-2020" showing the number of children vaccinated for different vaccines over time.
- Middle Center:** A bar chart titled "Number of Children Vaccinated by Vaccine and Year, 2010-2020" showing the number of children vaccinated for different vaccines over time.
- Middle Right:** A bar chart titled "Number of Children Vaccinated by Vaccine and Year, 2010-2020" showing the number of children vaccinated for different vaccines over time.
- Bottom Left:** A bar chart titled "Number of Children Vaccinated by Vaccine and Year, 2010-2020" showing the number of children vaccinated for different vaccines over time.
- Bottom Center:** A heatmap titled "Coverage Trends by Vaccine and District, 2010-2020" showing coverage trends for various vaccines across different districts over time.
- Bottom Right:** A heatmap titled "Coverage Trends by Vaccine and District, 2010-2020" showing coverage trends for various vaccines across different districts over time.

WUENIC Talking Points: Latin America and the Caribbean (LACR) Region

Revision Year: 2023

Overview

- While rising vaccine rates illustrate confidence and success, rates of the unvaccinated remain elevated at average coverage of 50% or higher across all LACR Region (2023)
- Coverage of the first dose of COVID-19 vaccine among children under age 12 (12 to 23 months) in 2023 was 60% and 62% in 2022, 60% in 2021 and 57% in 2020. The average vaccine coverage among adolescents (15 to 17 years) was 52% in 2023, 52% in 2022, 52% in 2021 and 50% in 2020.
- At the country level, 22 of 33 (67%) countries achieved coverage of 40% or higher at least one of the 14 of 17 WHO vaccine-preventable diseases in 2023.
- There were 10 countries that did not achieve 1 of 14 of 17, coverage in any vaccine (e.g., measles, diphtheria, tetanus, polio, pertussis, Hib, Hepatitis, typhoid, and yellow fever).
- In 2023, the number of unvaccinated children 12 and under rose approximately 25% higher over the average goal to achieve the immunization target 2023 compared to the number of unvaccinated children to 140 in 2020 in the region of interest.

Median coverage (%) by age, WHO, 2020-2023

Latin America and the Caribbean Region

- The LACR region includes 33 countries (Argentina and Barbados, a French Overseas, Brazil, Chile, Cuba, Colombia, Costa Rica, Ecuador, El Salvador, Guatemala, Honduras, Haiti, Mexico, Nicaragua, Panama, Paraguay, Peru, Suriname and Uruguay) and the Caribbean. Argentina, Colombia, Ecuador, El Salvador, Guatemala, Honduras, Haiti, Mexico, Nicaragua, Panama, Paraguay, Peru, Suriname and Uruguay are not in the Caribbean. Argentina, Colombia, Ecuador, El Salvador, Guatemala, Honduras, Haiti, Mexico, Nicaragua, Panama, Paraguay, Peru, Suriname and Uruguay are not in the Caribbean.
- Note: Countries highlighted in red show individual data, but is absent in the Report.

WUENIC Talking Points: Ethiopia

Revision Year: 2023

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DTPI: A number of vaccine immunization series delays in children	4
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Ethiopia in the African region

DTPI: Reaching zero-dose children

- In 2023, DTPI coverage in Ethiopia was 61%, compared to 70% in 2020.
- In 2023, the number of zero-dose children in Ethiopia (2023) was approximately 1.8 million, compared to 1.8 million in 2020.
- There were 34,000 zero-dose children in the region in 2020 compared to 25,100 in 2023. The average coverage in regional zero-dose children in 2023 was 61%.
- Among Eastern and Southern African region states, Ethiopia ranked 1st out of 21 countries (DTPI coverage in 2023 61% vs. regional average).
- DTPI 0% in 2023 was 10%, a percentage point increase from 2020.

DTPI: Reaching zero-dose children

1

1

2

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>

