

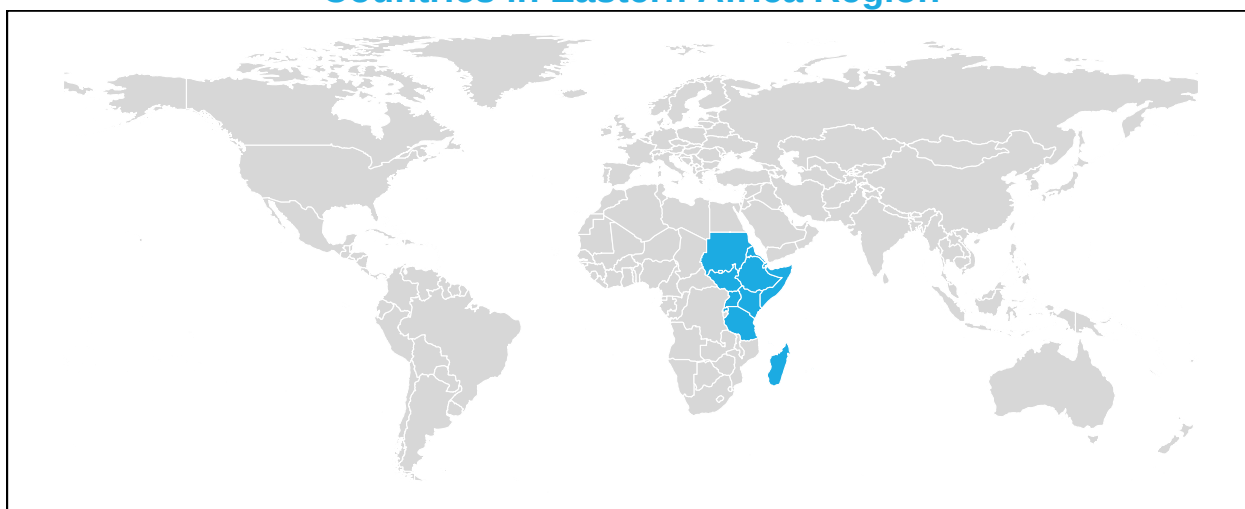
WUENIC Talking Points: Eastern Africa Region

Revision Year: 2025

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Countries in Eastern Africa Region

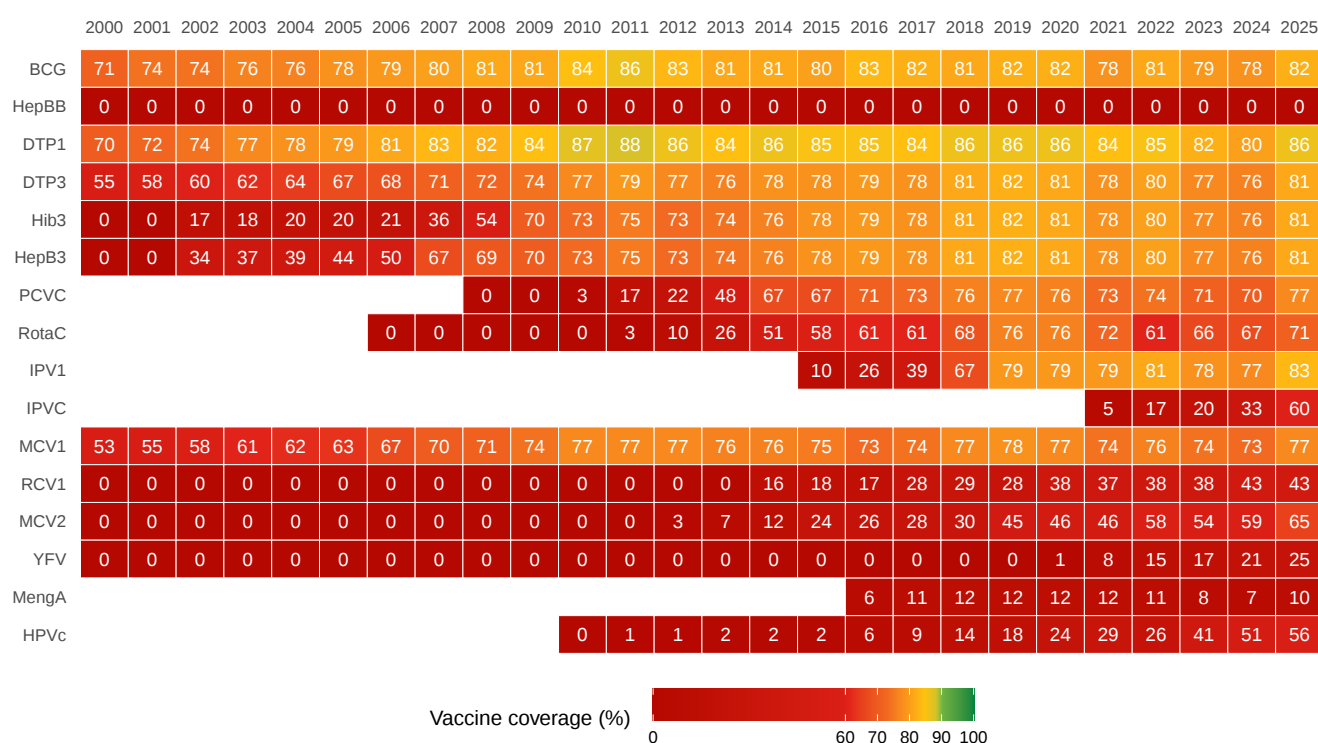


- The Eastern Africa region includes the following 14 countries: Comoros, Djibouti, Eritrea, Ethiopia, Kenya, Madagascar, Mauritius, Rwanda, Seychelles, Somalia, South Sudan, Sudan, Tanzania, and Uganda.

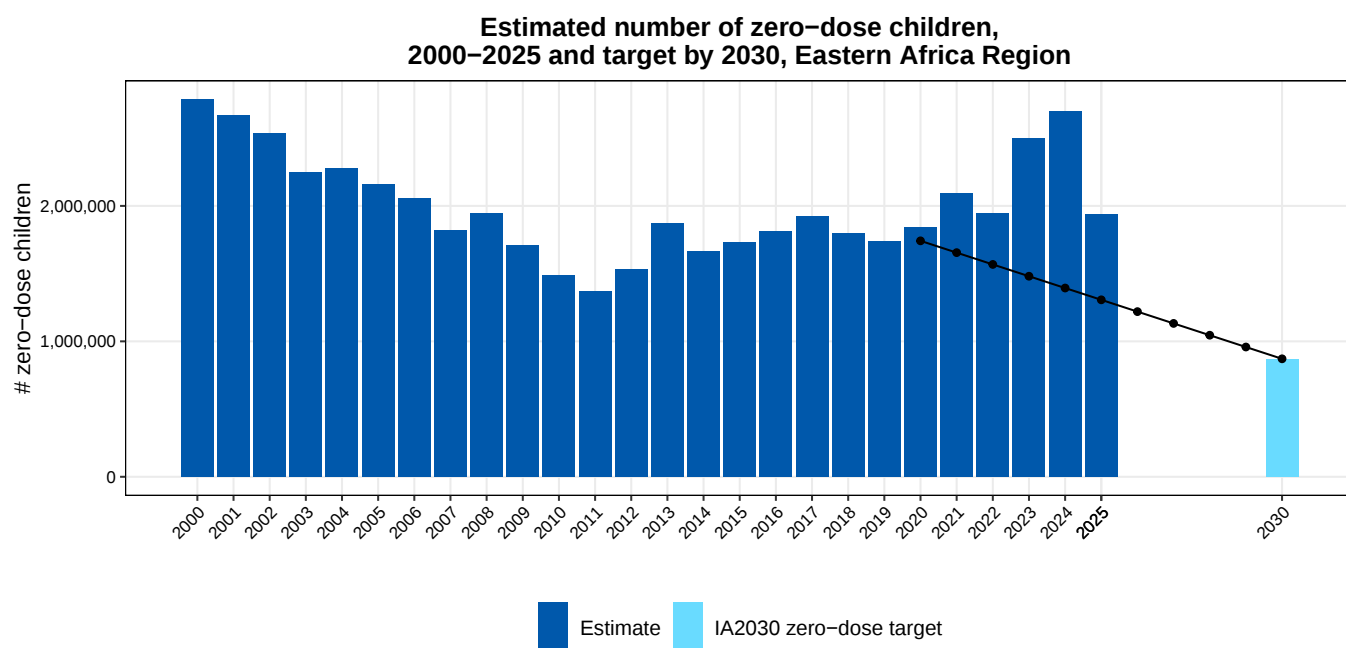
Overview

- While noting variations across countries and vaccines, none of the 15 childhood vaccines achieved an average coverage of 90% or higher within the Eastern Africa region in 2025.
- Coverage of the first dose of diphtheria-tetanus-pertussis-containing vaccine (DTP1) increased from 80% in 2024 to 86% in 2025, and coverage of the third dose of DTP-containing vaccine (DTP3) increased from 76% in 2024 to 81% in 2025. Coverage of the first dose of the measles-containing vaccine (MCV1) increased from 73% in 2024 to 77% in 2025.
- A total of 6 out of 14 countries reached target coverage (90%) for all 15 antigens, representing 43% of the region.
- There were 8 countries that did not meet the target coverage across all antigens: Comoros, Djibouti, Ethiopia, Madagascar, Somalia, South Sudan, Sudan, and Tanzania.
- In 2025, the number of zero-dose children (1.9 million) was approximately 48% higher than the annual number proposed to achieve the Immunization Agenda 2030 target of reducing the number of zero-dose children by half by 2030 in Eastern Africa region (1.3 million), based on a linear trajectory of decline.

Vaccine coverage (%), Eastern Africa Region, 2000–2025



Source: WHO/UNICEF estimates of national immunization coverage, 2025 revision.



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 in 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.

DTP1: Reaching zero-dose children

- The number of children vaccinated with DTP1 increased 8.2% from 11.1 million in 2019 to 12 million in 2025.
- DTP1 coverage in 2025 was 86%, the same as in 2019 but higher than in 2024 (80%).
- In 2025, the number of zero-dose children (1.9 million) was approximately 48% higher than the annual number proposed to achieve the Immunization Agenda 2030 target in Eastern Africa region (1.3 million), based on a linear trajectory of decline.
- In 2025, Ethiopia and Tanzania represented approximately 34% and 16% of all zero-dose children in Eastern Africa (n = 1.9 million), respectively. Ethiopia had the highest number of zero-dose children at 650,000, and Tanzania had the second highest at 307,000.
- In 2025, the lowest DTP1 coverage was observed in Madagascar at 74%, followed by South Sudan at 76%.
- There were 6 (43%) out of 14 countries in the region that achieved DTP1 coverage of 90% or higher in 2025 - Kenya, Mauritius, Eritrea, Rwanda, Uganda, and Seychelles.

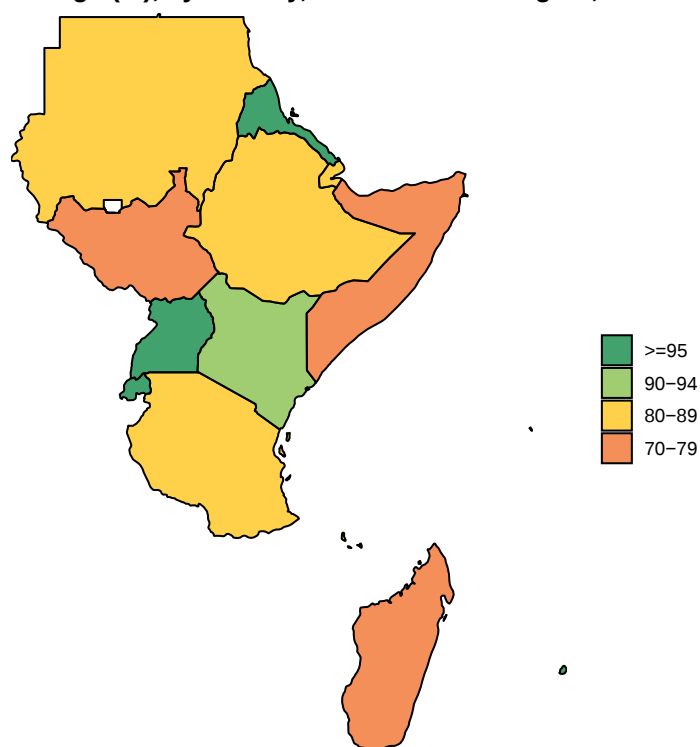
**DTP1 coverage (%), by country,
Eastern Africa Region, 2000–2025**

	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
Seychelles	99	99	99	99	99	99	99	99	99	99	99	99	98	99	99	99	98	98	99	99	99	99	99	98	98	99
Eritrea	88	91	94	97	99	99	98	98	97	97	97	97	97	97	97	98	97	97	97	97	97	97	97	97	97	98
Rwanda	93	77	95	97	94	95	99	99	97	98	98	98	99	99	99	99	99	99	98	99	94	94	98	94	99	98
Uganda	80	82	84	86	88	90	85	93	87	96	87	91	92	92	93	97	99	99	97	96	94	97	94	95	97	98
Mauritius	88	92	96	99	98	99	99	97	99	99	99	99	99	99	97	98	97	96	98	97	96	95	96	97	97	97
Kenya	83	84	90	89	87	85	90	89	90	92	93	98	98	95	97	96	89	82	93	96	97	99	99	97	93	91
Tanzania	92	95	95	99	99	95	94	89	88	90	98	96	99	99	99	97	95	93	91	95	95	90	91	87	87	87
Eastern Africa	70	72	74	77	78	79	81	83	82	84	87	88	86	84	86	85	85	84	86	86	86	84	85	82	80	86
Djibouti	66	65	72	76	81	73	76	92	90	90	90	89	85	87	93	90	74	83	91	91	76	70	70	77	82	86
Ethiopia	47	50	52	55	58	61	64	67	71	74	77	80	74	67	73	74	75	76	76	75	75	74	76	79	79	84
Sudan	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
Comoros	85	85	96	82	85	77	78	79	85	89	81	92	91	85	83	81	83	84	80	81	78	80	85	80	80	80
Somalia	57	57	60	65	50	50	40	59	40	52	55	52	52	53	55	56	57	59	60	64	62	68	79	77	78	77
South Sudan												79	76	67	62	55	51	59	67	68	71	73	76	76	76	76
Madagascar	74	75	76	79	82	88	93	92	84	80	78	80	79	76	77	71	74	71	77	77	77	64	66	74	70	74



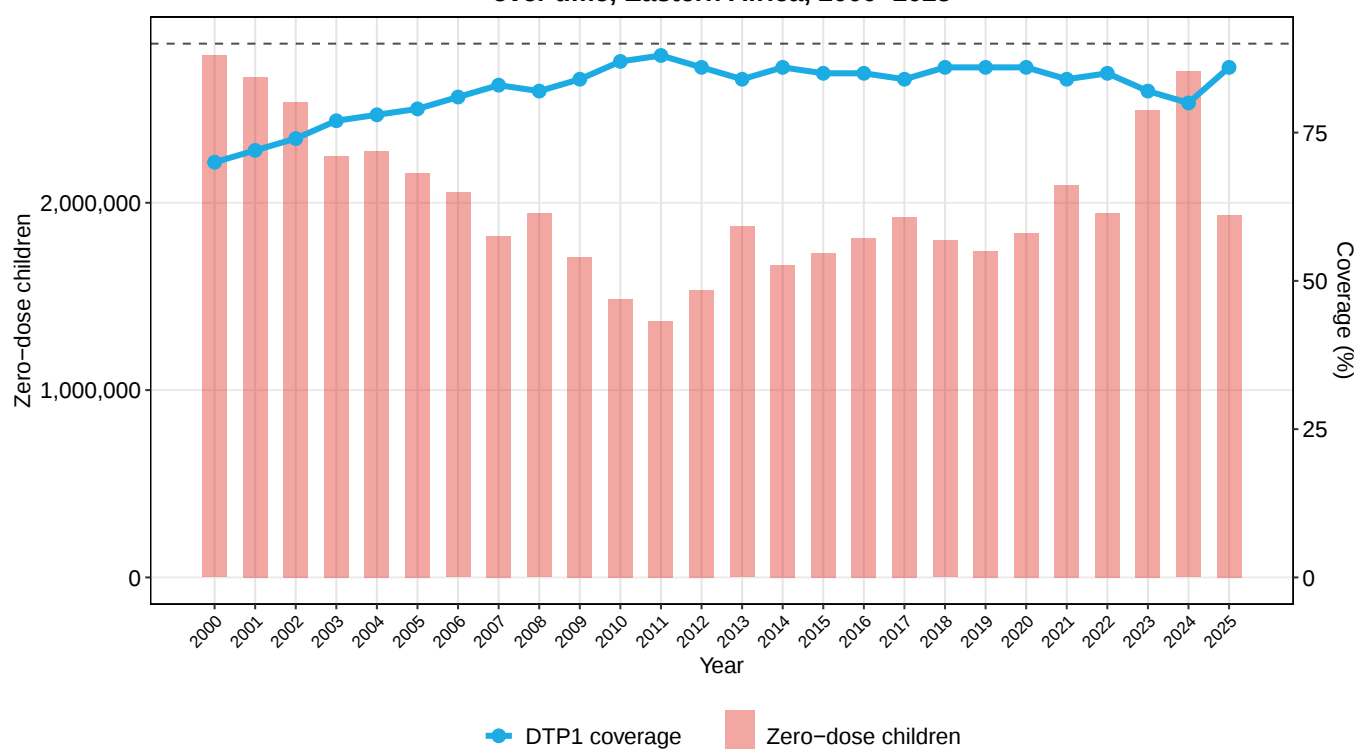
Source: WHO/UNICEF estimates of national immunization coverage, 2025 revision.
Note: Countries ordered based on descending DTP1 coverage in 2025.

DTP1 coverage (%), by country, Eastern Africa Region, 2025



Source: WHO/UNICEF estimates of national immunization coverage, 2025 revision.
 Note: This map is stylized and based on an approximate scale.
 This map does not reflect a position by UNICEF or WHO on the legal status of any country or territory or the delimitation of any frontiers.

DTP1 coverage and zero-dose children over time, Eastern Africa, 2000-2025



Dotted line shows the IA2030 target of 90% coverage
 Source: WHO/UNICEF estimates of national immunization coverage, 2025 revision.

DTP3: A marker of routine immunization service delivery to children

- The number of children vaccinated with DTP3 increased 8.3% from 10.5 million in 2019 to 11.3 million in 2025. Due to population growth of approximately 9% between 2019 and 2025, DTP3 coverage in 2025 (81%) was lower than in 2019 (82%).
- DTP3 coverage in 2025 was 81%, lower than in 2019 (82%) but higher than in 2024 (76%).
- In 2025, 5% of children who received DTP1 did not receive DTP3, which was the same as in 2019 (5%); medium dropout rates imply moderate ability to provide a complete series of vaccines early in life.
- In 2025, DTP3 coverage ranged from 64% in Madagascar to 98% in Seychelles.
- In 2025, Ethiopia had DTP3 coverage of 81% and the highest absolute number of un- and undervaccinated children in the region (772,000), followed by Sudan with 71% coverage and 465,000 un- and undervaccinated children.

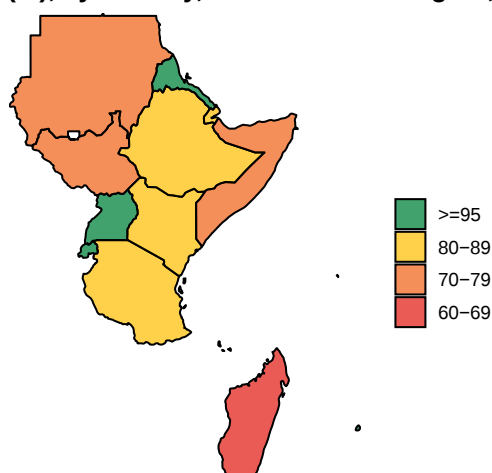
**DTP3 coverage (%), by country,
Eastern Africa Region, 2000–2025**

	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
Seychelles	98	96	99	99	99	99	99	99	99	99	99	99	98	98	99	97	96	97	99	99	97	94	97	97	93	98
Uganda	52	55	57	59	62	64	64	73	71	79	80	82	83	84	85	89	93	94	93	93	89	91	89	91	94	97
Eritrea	81	86	90	93	98	96	94	95	95	95	95	94	94	94	94	95	95	95	95	95	95	95	95	95	95	96
Mauritius	88	92	88	99	98	97	97	97	99	99	99	98	98	98	97	97	96	94	97	96	95	95	95	96	93	96
Rwanda	90	77	88	96	89	95	99	97	97	97	97	97	98	98	98	98	98	98	97	98	91	88	98	94	98	95
Kenya	82	80	84	73	73	76	80	81	88	88	90	96	94	87	92	89	88	81	91	93	93	95	94	93	91	88
Djibouti	46	53	62	68	64	71	72	88	89	89	88	87	81	82	78	84	68	76	84	85	70	59	59	72	77	83
Tanzania	79	87	89	95	95	90	90	83	86	85	91	90	92	91	97	96	92	90	89	91	91	86	87	83	83	83
Eastern Africa	55	58	60	62	64	67	68	71	72	74	77	79	77	76	78	78	79	78	81	82	81	78	80	77	76	81
Ethiopia	30	32	35	37	39	43	46	50	54	58	61	65	61	59	61	62	64	65	68	70	71	69	71	75	75	81
Comoros	70	70	89	80	76	68	69	75	81	83	74	83	86	83	80	80	75	79	77	78	74	72	78	75	75	75
South Sudan												61	63	53	50	46	45	52	59	61	67	69	73	73	73	73
Somalia	33	33	40	40	30	35	26	40	31	42	45	41	42	44	46	48	49	51	53	57	55	62	71	69	70	72
Sudan	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
Madagascar	57	60	62	66	78	85	85	84	77	77	70	73	68	70	68	62	68	65	74	69	67	55	57	65	60	64



Source: WHO/UNICEF estimates of national immunization coverage, 2025 revision.
Note: Countries ordered based on descending DTP3 coverage in 2025.

DTP3 coverage (%), by country, Eastern Africa Region, 2025

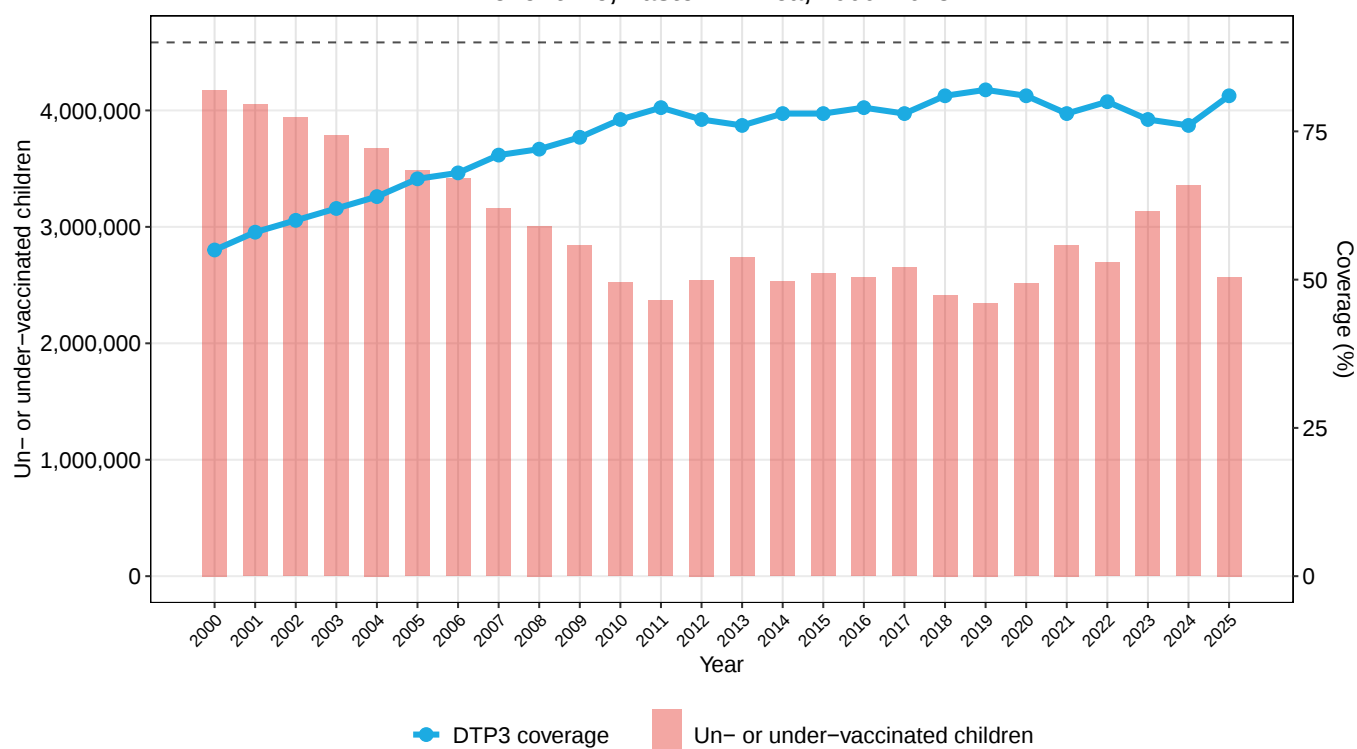


Source: WHO/UNICEF estimates of national immunization coverage, 2025 revision.

Note: This map is stylized and based on an approximate scale.

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DTP3 coverage and un- or under-vaccinated children over time, Eastern Africa, 2000-2025



Dotted line shows the IA2030 target of 90% coverage

Source: WHO/UNICEF estimates of national immunization coverage, 2025 revision.

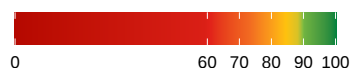
MCV: Canary in the coal mine

- MCV1 coverage in 2025 was 77%, the same as in 2019 but higher than in 2024 (73%).
- Coverage of the second dose of the measles-containing vaccine (MCV2) in 2025 was 65%, higher than in both 2019 (45%) and 2024 (59%). This still leaves 3.2 million children without any protection and another 1.4 million with only partial protection against the measles virus.
- In 2025, 11% of children who received DTP1 did not receive MCV1. This 11% dropout rate was 1 percentage point higher than in 2019 (10%) and higher than the 2024 dropout rate (9%).
- High DTP-MCV dropout rates imply poor retention in immunization programmes.
- 7 countries (Comoros, Djibouti, Ethiopia, Madagascar, Somalia, South Sudan, and Sudan) had MCV1 coverage below 80% for all of the last 3 years.
- In 2025, Ethiopia had the highest number of children who did not receive the measles vaccine (935,000), representing approximately 29% of all children unprotected against measles in Eastern Africa (3.2 million).

**MCV1 coverage (%), by country,
Eastern Africa Region, 2000–2025**

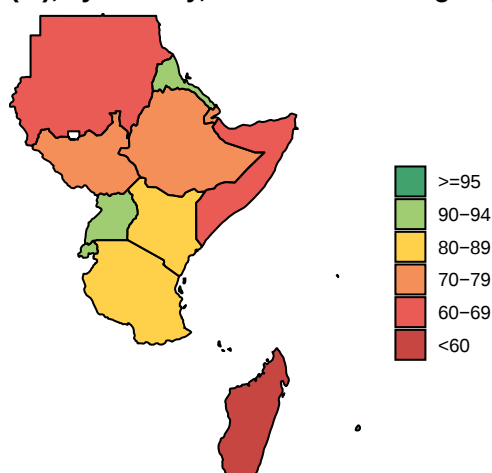
	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Seychelles	97	95	98	99	99	99	99	99	99	97	99	99	98	97	99	98	97	99	96	99	97	94	98	93	97	98
Mauritius	84	90	84	91	98	98	99	98	98	99	99	99	99	99	98	99	92	89	99	99	98	97	98	96	98	97
Eritrea	76	84	83	92	96	95	94	92	91	93	95	96	98	94	90	97	95	93	93	93	93	93	93	93	93	93
Rwanda	74	69	69	90	84	89	95	94	92	95	95	95	97	95	97	96	95	97	99	96	94	87	99	96	97	93
Uganda	57	59	62	64	66	68	75	75	70	77	73	75	80	83	85	79	79	83	86	87	89	90	91	91	92	92
Tanzania	78	86	89	97	94	91	93	90	88	91	92	93	97	99	97	95	83	90	88	89	87	80	84	84	84	84
Kenya	78	77	78	72	73	69	77	80	90	88	86	87	93	94	95	96	93	84	92	92	89	88	85	85	82	80
Eastern Africa	53	55	58	61	62	63	67	70	71	74	77	77	77	76	76	75	73	74	77	78	77	74	76	74	73	77
Ethiopia	28	29	32	33	35	40	44	49	54	59	64	68	62	55	54	56	57	59	62	65	67	65	67	71	72	77
Djibouti	50	49	62	66	60	65	67	74	73	84	85	84	83	80	71	74	75	81	86	83	62	50	50	76	75	75
South Sudan												62	59	57	54	52	51	56	61	65	69	74	72	72	72	72
Comoros	70	70	71	67	76	67	66	65	76	79	72	79	85	82	80	81	77	75	74	76	75	68	71	70	70	70
Sudan	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
Somalia	24	20	45	40	40	35	35	35	34	43	46	46	46	47	48	50	51	52	53	52	52	58	69	63	64	61
Madagascar	57	59	61	65	79	74	71	81	70	63	66	62	63	64	66	60	62	55	68	60	55	43	44	51	46	49

Vaccine coverage (%)



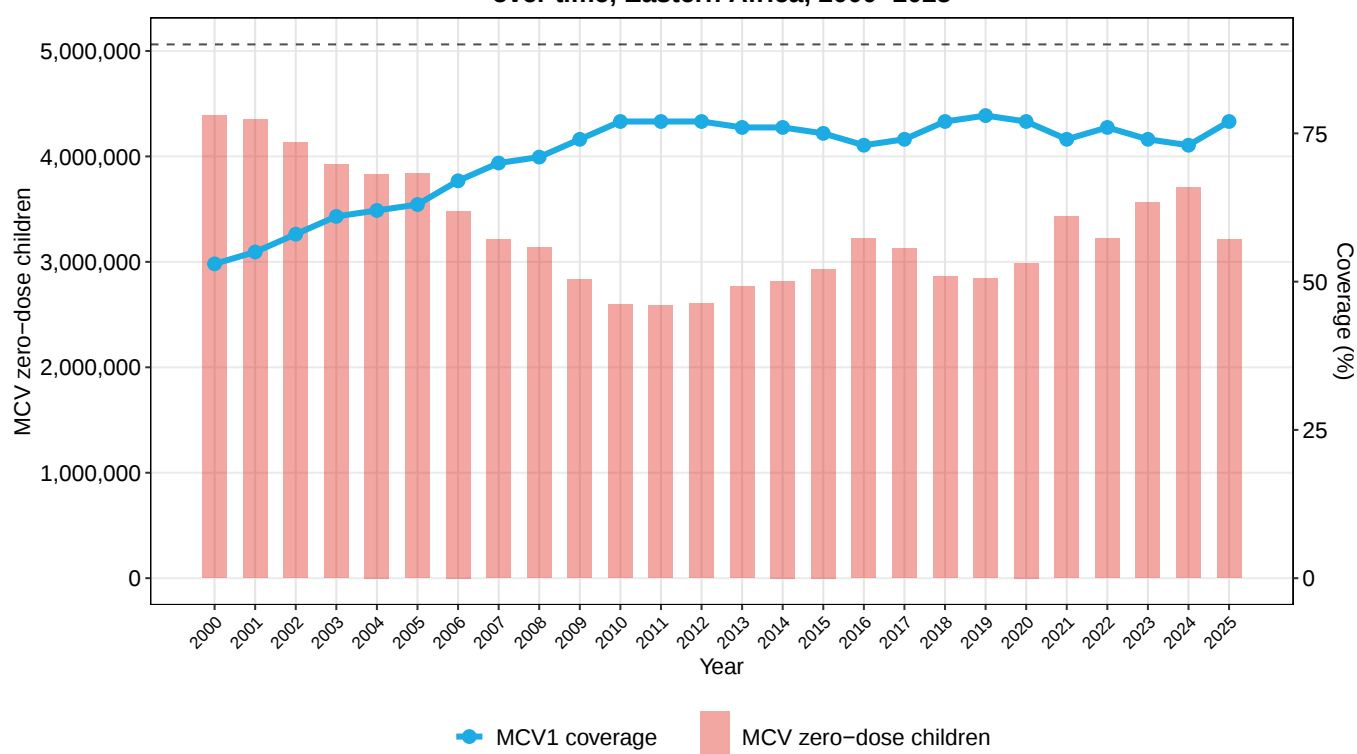
Source: WHO/UNICEF estimates of national immunization coverage, 2025 revision.
Note: Countries ordered based on descending MCV1 coverage in 2025.

MCV1 coverage (%), by country, Eastern Africa Region, 2025



Source: WHO/UNICEF estimates of national immunization coverage, 2025 revision.
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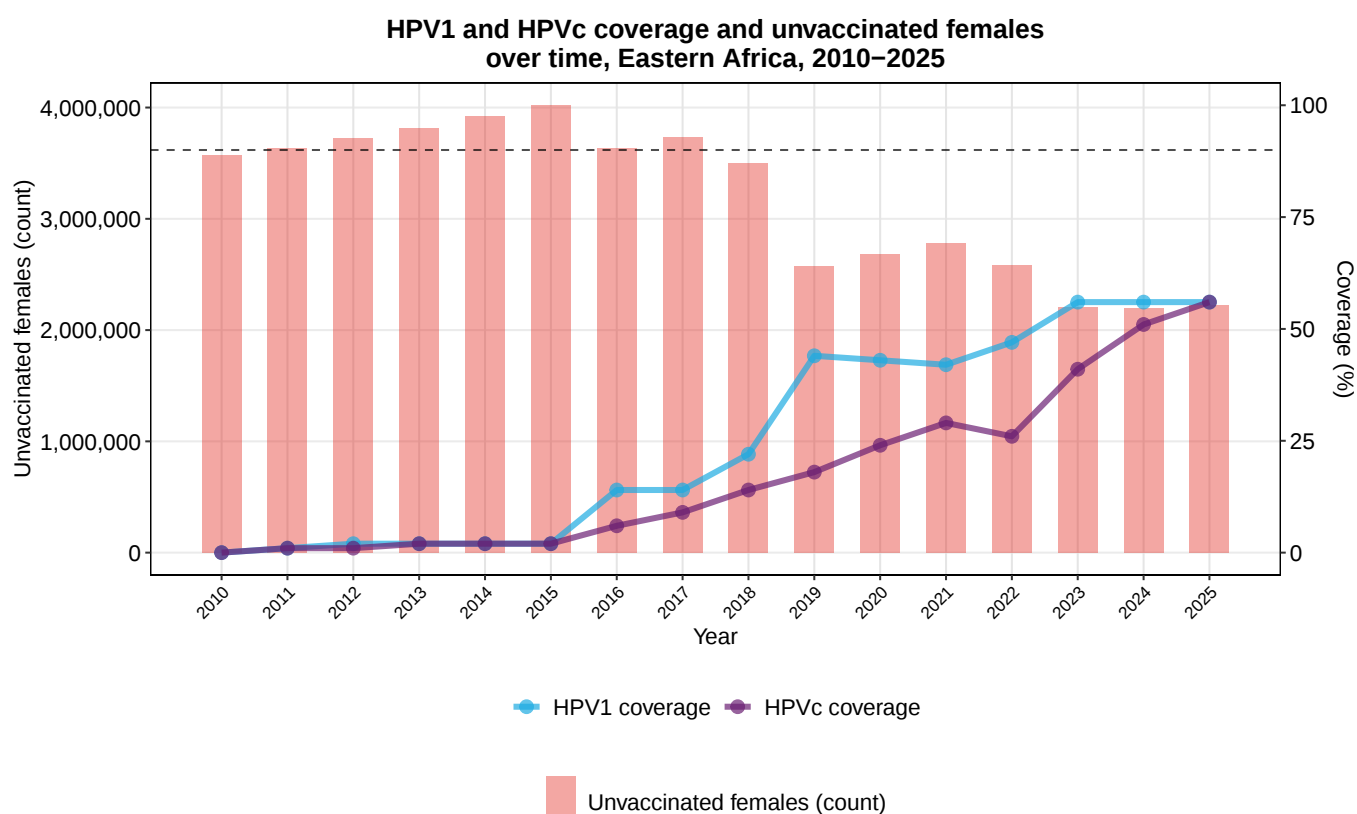
MCV coverage and MCV zero-dose children over time, Eastern Africa, 2000-2025



Dotted line shows the IA2030 target of 90% coverage
 Source: WHO/UNICEF estimates of national immunization coverage, 2025 revision.

HPV

- Programme coverage of the first dose of HPV vaccine (HPV1) among girls stood at 56% in 2025, which was the same as the coverage in 2024.
- Coverage of the last dose (HPVc) stood at 56% in 2025, which was higher than the coverage of 51% in 2024.
- HPVc coverage remains well below the IA2030 target of 90%, though it is trending upward.
- In 2025, there were 2.2 million girls who did not receive any HPV vaccination.
- In Eastern Africa, 11 out of 14 countries (79%) had introduced HPV vaccination by 2025.
 - WUENIC HPV coverage estimates are available for all 11 of these countries in 2025.
- The 3 countries that had not introduced HPV vaccination are Somalia, South Sudan, and Sudan.



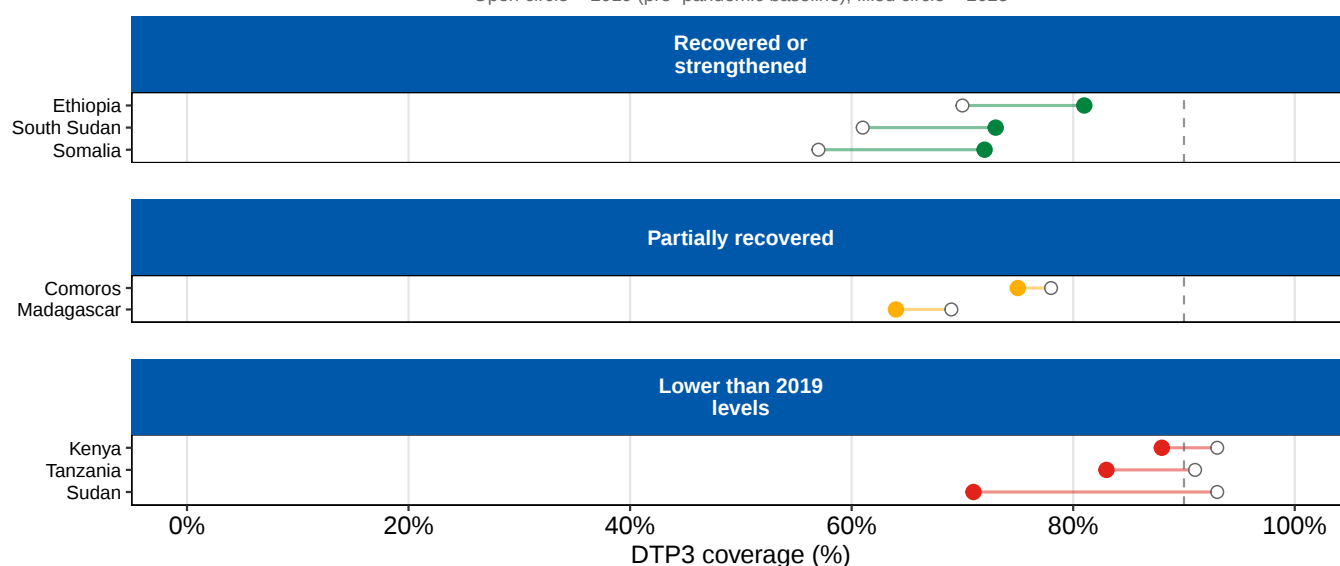
Dotted line shows the IA2030 target of 90% coverage
 Source: WHO/UNICEF estimates of national immunization coverage, 2025 revision.

Priority countries supported to recover from the COVID-19 pandemic

- Of the 35 countries that were globally supported for the Big Catch-up, 8 are in Eastern Africa.
 - Ethiopia, Somalia, and South Sudan fully recovered to or exceeded their 2019 DTP3 levels.
 - 2 countries (Comoros and Madagascar) are on the path to recovery to 2019 DTP3 levels.
 - 3 countries (Kenya, Sudan, and Tanzania) have not yet recovered, with stagnation or decline from 2019 DTP3 levels.
 - South Sudan did not experience any decline in DTP3 levels between 2019 and 2025.

DTP3 coverage recovery from COVID-19 pandemic, Eastern Africa

Open circle = 2019 (pre-pandemic baseline); filled circle = 2025



Dotted line shows the IA2030 target of 90% coverage.

Countries shown are Big Catch-Up priority countries in Eastern Africa.

Source: WHO/UNICEF estimates of national immunization coverage, 2025 revision.

Recovery Methodology

This analysis tracks DTP3 coverage trends from 2019 to 2025 to assess post-pandemic recovery. Countries are categorized based on their progress toward 2019 baseline levels:

- **Recovered or strengthened:** 2025 coverage is equal to or higher than 2019 levels.
- **Partially recovered:** Coverage in 2025 is still below 2019 levels but has improved by at least 3 percentage points from its lowest point in 2020 or 2021.
- **Lower than 2019 levels:** Coverage in 2025 remains below 2019 levels and has shown less than 3 percentage points of improvement from its lowest point in 2020 or 2021.

Appendix

WHO/UNICEF Estimates of National Immunization Coverage (WUENIC)

Each year, WHO and UNICEF review national immunization data from Member States, including administrative and official coverage, survey estimates and contextual information, and use rules-based data triangulation approach to assess coverage. Estimates are produced independently, without borrowing data from other countries, and are not based on ad hoc adjustments. In some cases, they rely on a single source, typically nationally reported coverage. When data for a specific country-vaccine-year are unavailable, values from adjacent years are interpolated or extrapolated, and conflicting sources are assessed to determine the most reliable estimate, considering potential biases and expert opinion.

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](#)

These talking points present the latest WUENIC estimates (published 15 July 2026).

Definitions of immunization terms:

- 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 (PCV)
- Yellow Fever vaccine (YFV)
- Meningococcal A vaccine (MengA)
- Human Papillomavirus vaccine, first dose (HPV1) and last dose (HPVc)

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