

WUENIC Talking Points: Botswana

Revision Year: 2025

Contents

Overview	2
DTP1: Reaching zero-dose children	3
DTP3: A marker of routine immunization service delivery to children	4
MCV: Canary in the coal mine	5
HPV	6
Regional Comparison	7
Additional Vaccines	8
Appendix	9

Botswana in the 'Africa' region



Overview

- A total of 13 childhood vaccines are tracked for Botswana; of these, 7 reached the 90% coverage target or higher in 2025.
- Coverage of the first dose of diphtheria-tetanus-pertussis-containing vaccine (DTP1) was the same in 2025 as it was in 2024 (98%), coverage of the third dose of DTP-containing vaccine (DTP3) was the same in 2025 as it was in 2024 (95%), and coverage of the first dose of the measles-containing vaccine (MCV1) declined from 97% in 2024 to 83% in 2025.
- In 2025, the number of zero-dose children for DTP in Botswana (1,000) was approximately 41% higher than the annual number proposed to achieve the IA2030 target of halving zero-dose children for DTP by 2030 (<1,000), based on a linear trajectory of decline.

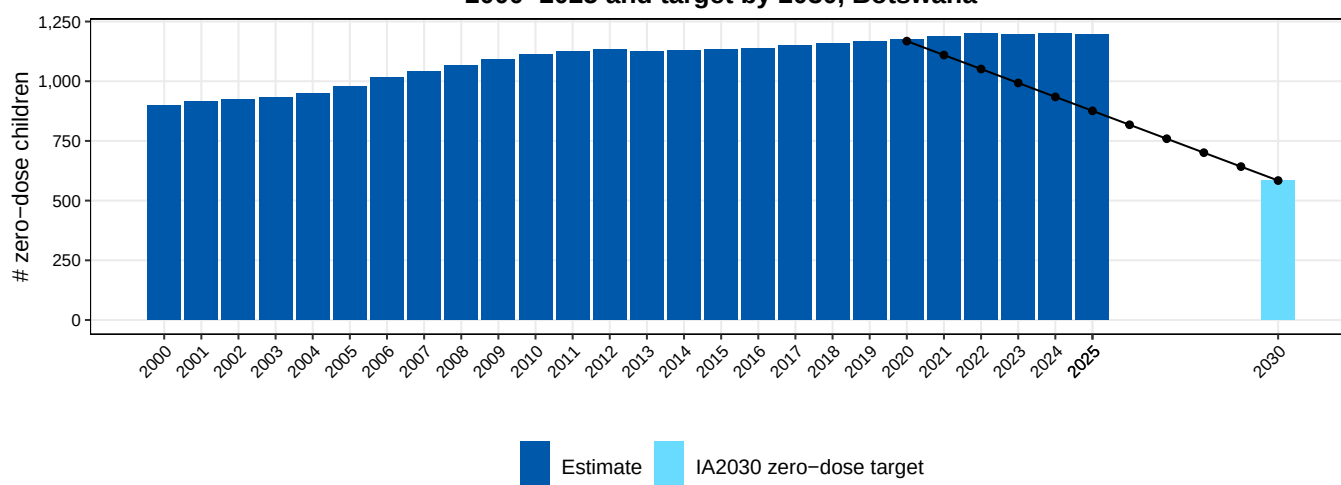
Vaccine coverage (%), Botswana, 2000–2025

	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	99	99	99	99	99	99	99	99	99	99	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98
HepBB																							40	54	58	57
DTP1	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98
DTP3	97	97	97	96	96	96	96	96	96	95	95	95	95	95	95	95	95	95	95	95	95	95	86	95	95	95
Hib3												95	95	95	95	95	94	94	94	94	94	95	86	94	94	94
HepB3	86	87	88	90	91	92	93	93	94	94	95	95	95	95	95	95	95	95	95	95	95	95	86	95	95	95
PCVC													52	65	82	89	95	95	95	95	95	95	74	79	95	95
RotaC													74	79	83	86	88	91	93	91	90	81	69	55	77	76
IPV1																8	49	95	95	95	95	95	86	96	95	95
IPVC																									31	66
MCV1	91	91	92	92	93	93	94	95	95	96	96	97	97	97	97	97	97	97	97	97	87	97	90	97	97	83
RCV1																	97	97	97	97	87	97	90	97	97	83
MCV2														82	85	80	74	74	74	76	66	70	77	79	77	66
HPVc																65	76	70		47		23	22	36	34	



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

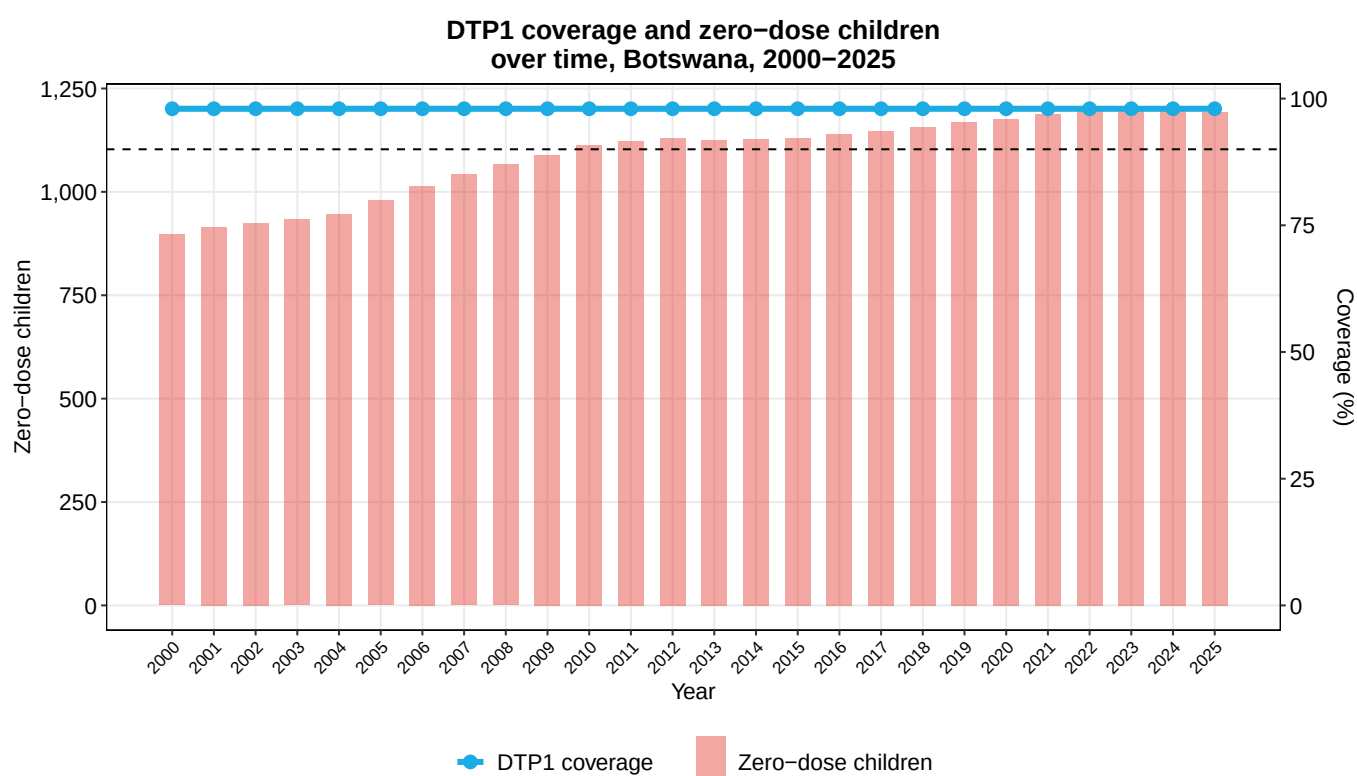
Estimated number of zero-dose children, 2000–2025 and target by 2030, Botswana



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

- Coverage of DTP1 stood at 98% in 2025. This is the same as in 2019 (98%) and the same as in 2024 (98%).
- The percentage of zero-dose children was 41 percentage points higher than the IA2030 target in 2025. There were approximately 1,000 zero-dose children in 2025, more than the 1,000 in 2019 but fewer than the 1,000 in 2024.
- Coverage of DTP1 in Botswana (98%) was higher than the Eastern and Southern Africa regional average of 85% in 2025.
- DTP1-to-DTP3 dropout in 2025 was 3%, the same as in 2019. Low DTP dropout rates imply good ability to provide a complete vaccine series early in life.

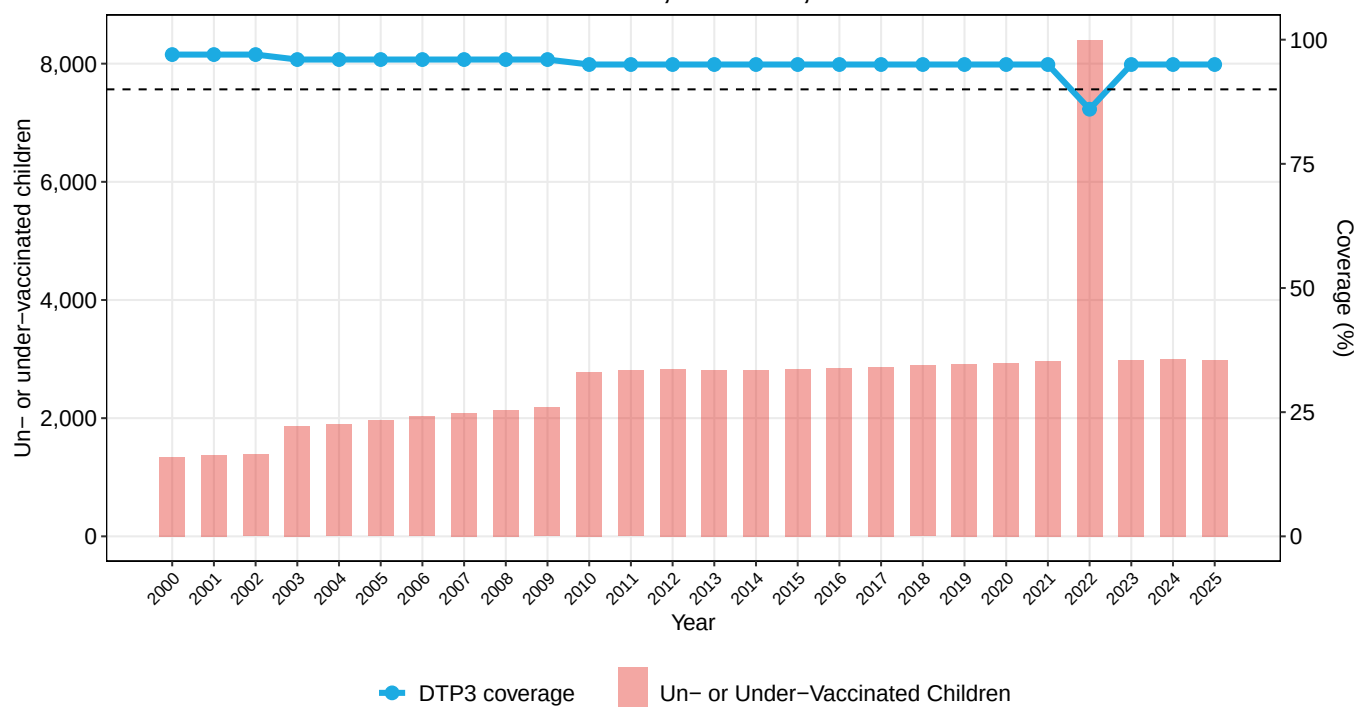


Dotted line shows the IA2030 target of 90% coverage
Source: WHO/UNICEF estimates of national immunization coverage, 2025 revision.

DTP3: A marker of routine immunization service delivery to children

- Coverage of DTP3 stood at 95% in 2025. This is the same as in 2019 (95%) and the same as in 2024 (95%).
- The number of children vaccinated with DTP3 increased from 55,000 in 2019 to 57,000 in 2025.
- In 2025, there were 3,000 children un- or under-vaccinated in Botswana.
- In 2025, 3% of children who received DTP1 did not receive DTP3. This 3% dropout rate was the same as in 2019 (3%) and the same as the 2024 dropout rate (3%).
- Coverage of DTP3 in Botswana (95%) was higher than the Eastern and Southern Africa regional average of 80% in 2025.

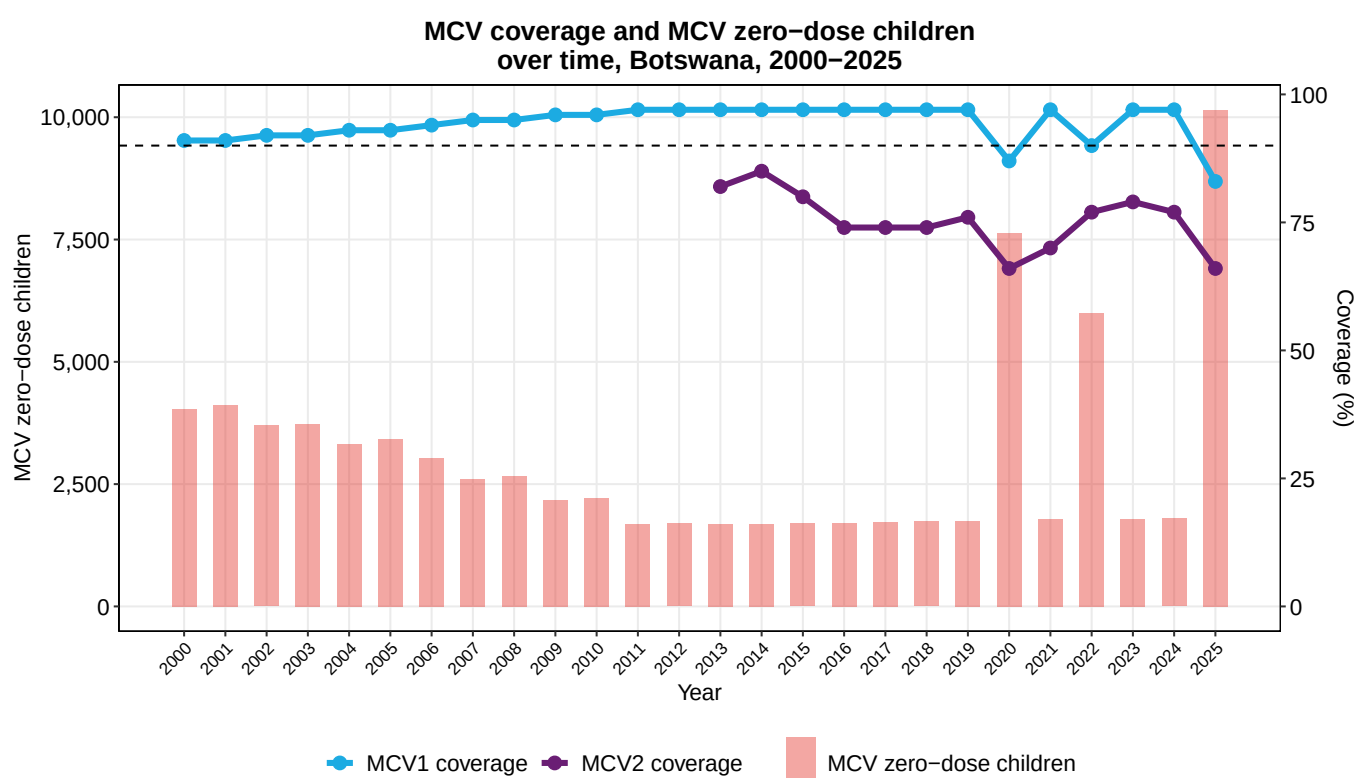
DTP3 coverage and un- or under-vaccinated children over time, Botswana, 2000–2025



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

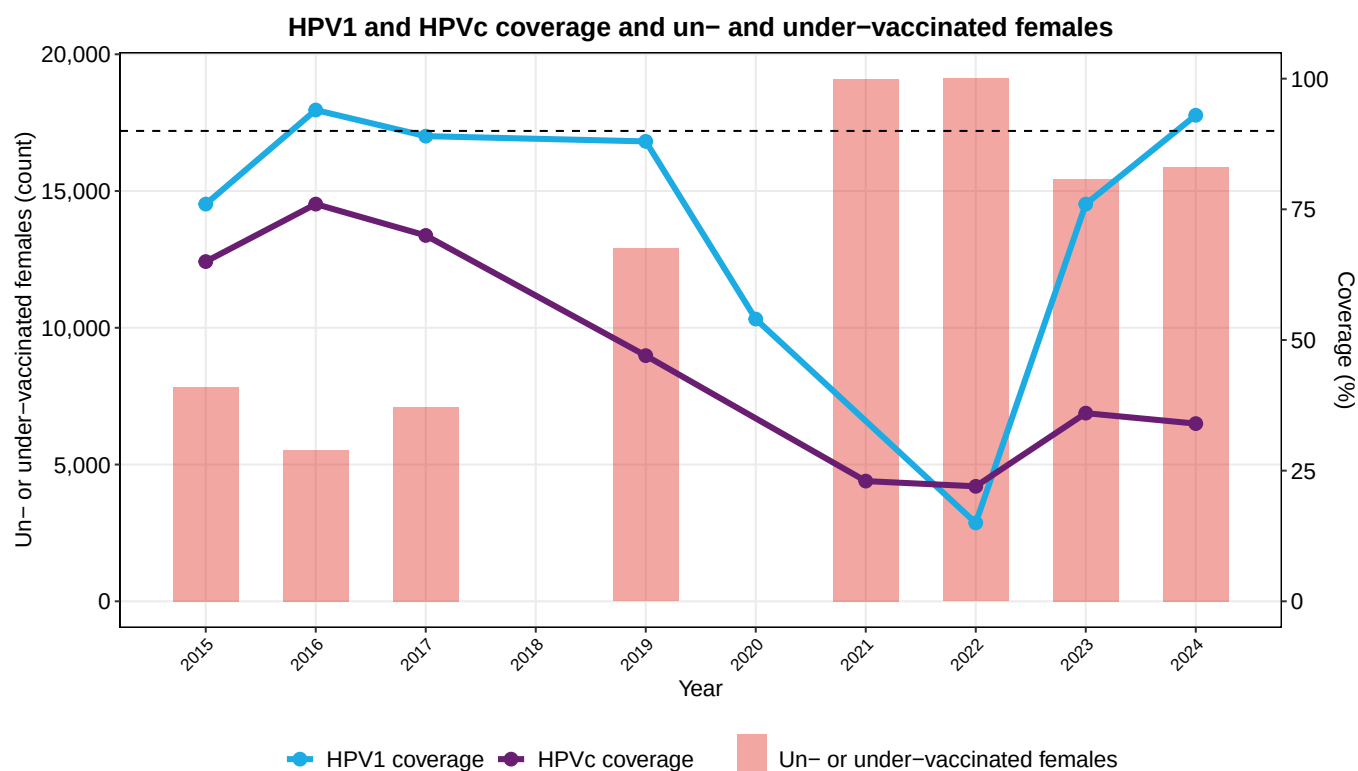
- Coverage of MCV1 stood at 83% in 2025. This is lower than in 2019 (97%) and lower than in 2024 (97%).
- Coverage of the second dose of the measles-containing vaccine (MCV2) decreased from 76% in 2019 to 66% in 2025. This leaves 10,000 children without any protection against measles and another 10,000 with only partial protection.
- In 2025, 15% of children who received DTP1 did not receive MCV1. This 15% dropout rate was 14 percentage points higher than in 2019 (1%) and 14 percentage points higher than the 2024 dropout rate (1%).
- Botswana has achieved MCV1 coverage above 80% over all of the last 3 years.
- Coverage of MCV1 in Botswana (83%) was higher than the Eastern and Southern Africa regional average of 77% in 2025.



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

HPV

- Programme coverage of HPV1 among females increased from 88% to 93% between 2019 and 2024, while coverage of the last dose (HPVc) decreased from 47% to 34%.
- HPVc coverage remains well below the IA2030 target of 90%.
- In 2024, approximately 2,000 females in Botswana did not receive any HPV vaccination (unvaccinated).



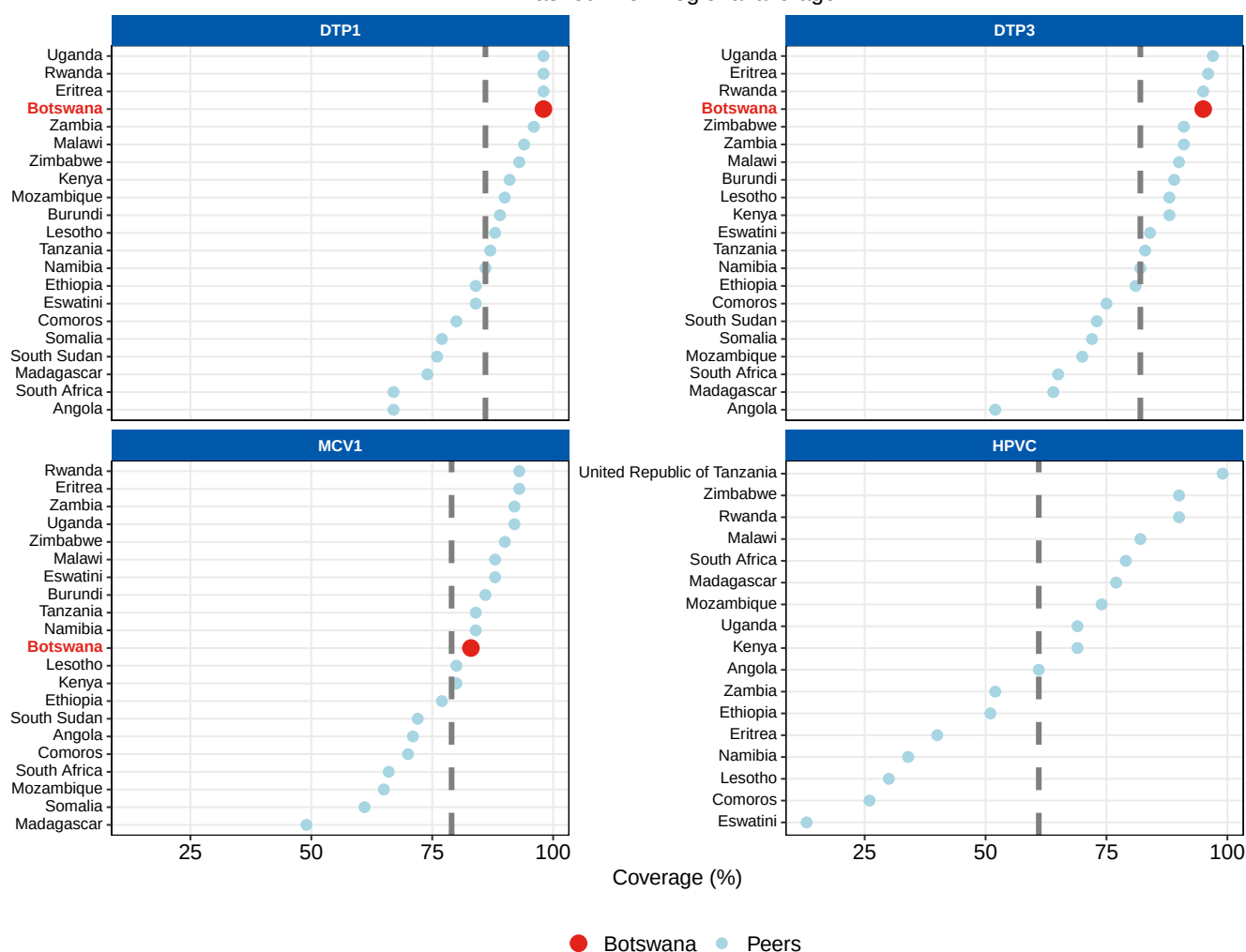
Dotted line shows the IA2030 target of 90% coverage
 Source: WHO/UNICEF estimates of national immunization coverage, 2025 revision.

Regional Comparison

The chart below shows how Botswana compares to other countries in the Eastern and Southern Africa region on DTP1, DTP3, MCV1, and HPVc coverage in 2025. The dashed line represents the regional average for each vaccine.

Coverage comparison: Botswana vs. ESAR peers, 2025

Dashed line = regional average



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

Additional Vaccines

- Coverage of BCG stood at 98% in 2025. This is the same as in 2019 (98%) and the same as in 2024 (98%).
- Coverage of HepB3 stood at 95% in 2025. This is the same as in 2019 (95%) and the same as in 2024 (95%).
- Coverage of Hib3 stood at 94% in 2025. This is the same as in 2019 (94%) and the same as in 2024 (94%).
- Coverage of IPV1 stood at 95% in 2025. This is the same as in 2019 (95%) and the same as in 2024 (95%).
- Coverage of PCVC stood at 95% in 2025. This is the same as in 2019 (95%) and the same as in 2024 (95%).
- Coverage of RotaC stood at 76% in 2025. This is lower than in 2019 (91%) and lower than in 2024 (77%).

Additional vaccine coverage (%), Botswana, 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	99	99	99	99	99	99	99	99	99	99	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98			
HepB3	86	87	88	90	91	92	93	93	94	94	95	95	95	95	95	95	95	95	95	95	95	95	86	95	95	95			
Hib3												95	95	95	95	95	94	94	94	94	94	95	86	94	94	94			
IPV1																8	49	95	95	95	95	95	86	96	95	95			
PCVC																52	65	82	89	95	95	95	95	95	95	95			
RotaC																74	79	83	86	88	91	93	91	90	81	69	55	77	76



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

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/>