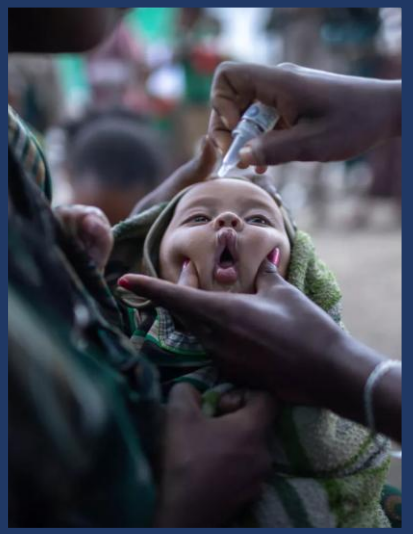






Austria

Administrative Data Quality Review Report, 2025






unicef

World Health Organization

Administrative Data Quality Review

This report presents a systematic review of immunization administrative data quality. It is designed to support country-level data review discussions. Administrative ("admin") data can be affected by reporting errors, denominator inconsistencies, and supply disruptions. This report helps identify where data quality issues may exist and why admin coverage may diverge from the WHO/UNICEF Estimates of National Immunization Coverage (WUENIC), survey, and official government estimates.

This report covers the following data quality components:

Schedule & Supply Context

Vaccine schedule, introduction years, and recorded stockouts

Coverage Overview

WUENIC, admin, official government, and survey coverage across all vaccines and years.

Admin Coverage Flags

Years where admin coverage exceeds 100% or changes by more than ± 10 percentage points.

Admin vs. Estimates

Gaps between admin and WUENIC estimates; gaps between admin and official government estimates.

Numerator Checks

Percent change from the previous year in the number of children vaccinated; co-administration consistency checks.

Denominator Checks

Percent change from the previous year in target population size; live births vs. surviving infants over time.

Admin Data Availability Heatmap

Heatmap showing which vaccines have missing or present administrative data by year.

Admin Data Comments

Country-reported explanations for numerator accuracy, denominator source, and denominator accuracy.

Flags in this report indicate areas that warrant further review — they do not necessarily indicate errors. Country context, schedule changes, and reporting system updates should be considered alongside these findings.

The electronic Joint Reporting Form (eJRF)

Since 1998, in an effort to strengthen collaboration and minimize the reporting burden of countries, WHO and UNICEF have jointly collected immunization system and related information through a standard questionnaire (the Joint Reporting Form) sent to all Member States. In 2021, the form was updated to a cloud-based solution known as the electronic Joint Reporting Form (eJRF).

The eJRF serves three core functions:

Mission-Critical Data	Strategic Utility	Comprehensive Scope
Serves as the primary data source for tracking the **Immunization Agenda 2030 (IA2030)** and the Sustainable Development Goals (SDGs).	Informs WUENIC estimates, guides global funding decisions, and populates the UNICEF *State of the World's Children* reports.	Captures national and subnational coverage, vaccination schedules, vaccine stockouts, and disease trends.

All data in this presentation is sourced from the eJRF.

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.

Data Sources Presented

This report presents data from the following sources:

WUENIC	Administrative ("Admin")	Official	Survey
WHO/UNICEF Estimates of National Immunization Coverage (WUENIC) provides annual country-level immunization coverage estimates produced jointly by WHO and UNICEF. These estimates are derived from a systematic review of all available data sources and are adjusted to account for data quality issues.	Reported by national authorities and based on aggregated administrative reports from health service providers on the number of vaccinations administered during a given period (numerator) and reported target population data (denominator).	Estimated coverage reported by national authorities that reflects their assessment of the most likely coverage based on any combination of administrative coverage, survey-based estimates, or other data sources or adjustments.	Based on estimated coverage from population-based household surveys among children aged 12–23 months or 24–35 months. Survey results are considered for the appropriate birth cohort based on the period of data collection. Coverage information is based on the combination of vaccination history from documented evidence or caregiver recall.

Vaccine Schedule

		Dose number and age administered		
Level	**Vaccine**	**1**	**2**	**3**
National	DTP	6 weeks	3 months	10 to 11 months
National	HPV (females and males)	9 years	+ 6 to 12 months	
National	MCV	9 months	+ 3 months	
National	PCV	2 months	4 months	11 to 13 months
National	RotaC	6 weeks	2 months	

This table shows the 2025 national immunization schedule for routine services in Austria, reported through the WUENIC 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.

unicef World Health Organization

WUENIC 2025 revision

Vaccine Stockouts

Vaccines / supplies	2021	2022	2023	2024
DTP-Hib-HepB-IPV			National (1.25m)	
DTP-containing vaccine	National	National (1m)		
IPV		National (1m)		
MCV	National (2m)	National (0.5m)		
Rotavirus				National (2m)

Years in which a national or subnational vaccine stockout was recorded.

This table provides context for interpreting the numerator and denominator trends and flags in the following slides, as stockouts may contribute to reduced service delivery and legitimate drops in coverage that may be misinterpreted as data quality issues.

Vaccine Introductions

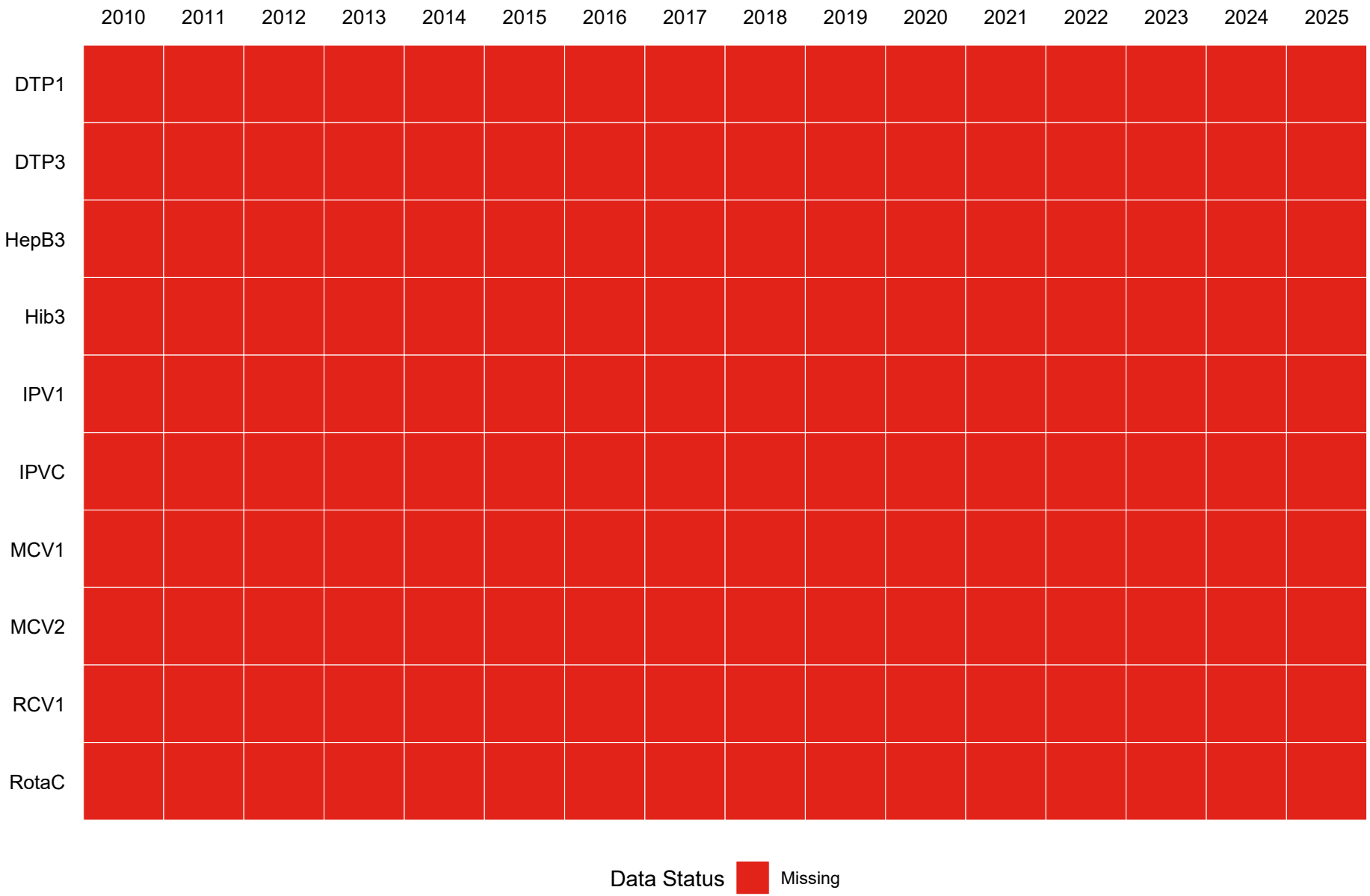
Vaccine	National introduction	Risk groups
HPV (Human papillomavirus) vaccine	2014	
HepB birth dose	Not introduced	
Hepatitis B vaccine	1997	
Hib (Haemophilus influenzae type B) vaccine	1994	
IPV (Inactivated polio vaccine)	2002	
IPV (Inactivated polio vaccine) 2nd dose	2002	
Malaria vaccine	Not introduced	
Measles-containing vaccine 2nd dose	1973	
Meningococcal meningitis vaccines (any strain)	2014	
Mumps vaccine	1995	
PCV (Pneumococcal conjugate vaccine)	2014	2002
RSV (Respiratory syncytial virus) immunization strategy	2024	
Rotavirus vaccine	2006	
Rubella vaccine	1972	
Typhoid conjugate vaccine	Not introduced	
YF (Yellow fever) vaccine	Not introduced	

Year in which each vaccine was introduced nationally, partially, for risk groups, or risk areas.

We present the vaccination introductions table here to contextualize the data availability heatmap on the following slide.

unicef World Health Organization

Admin Data Availability Heatmap by Vaccine, Austria, 2010–2025



Heatmap showing whether admin data are present (green), missing (red), or not applicable because the vaccine had not yet been introduced or reporting had not started (white), by vaccine and year.

unicef

World Health Organization

WUENIC 2025 revision

Admin Data Comments Summary: 2025

Comment Type	Comment
Denominator Accuracy	No comment provided
Denominator Source	No comment provided
Numerator Accuracy	Not all vaccinations are required by law to be documented in the national electronic immunisation registry ("eImpfpass"). Data may be added or corrected at any time.

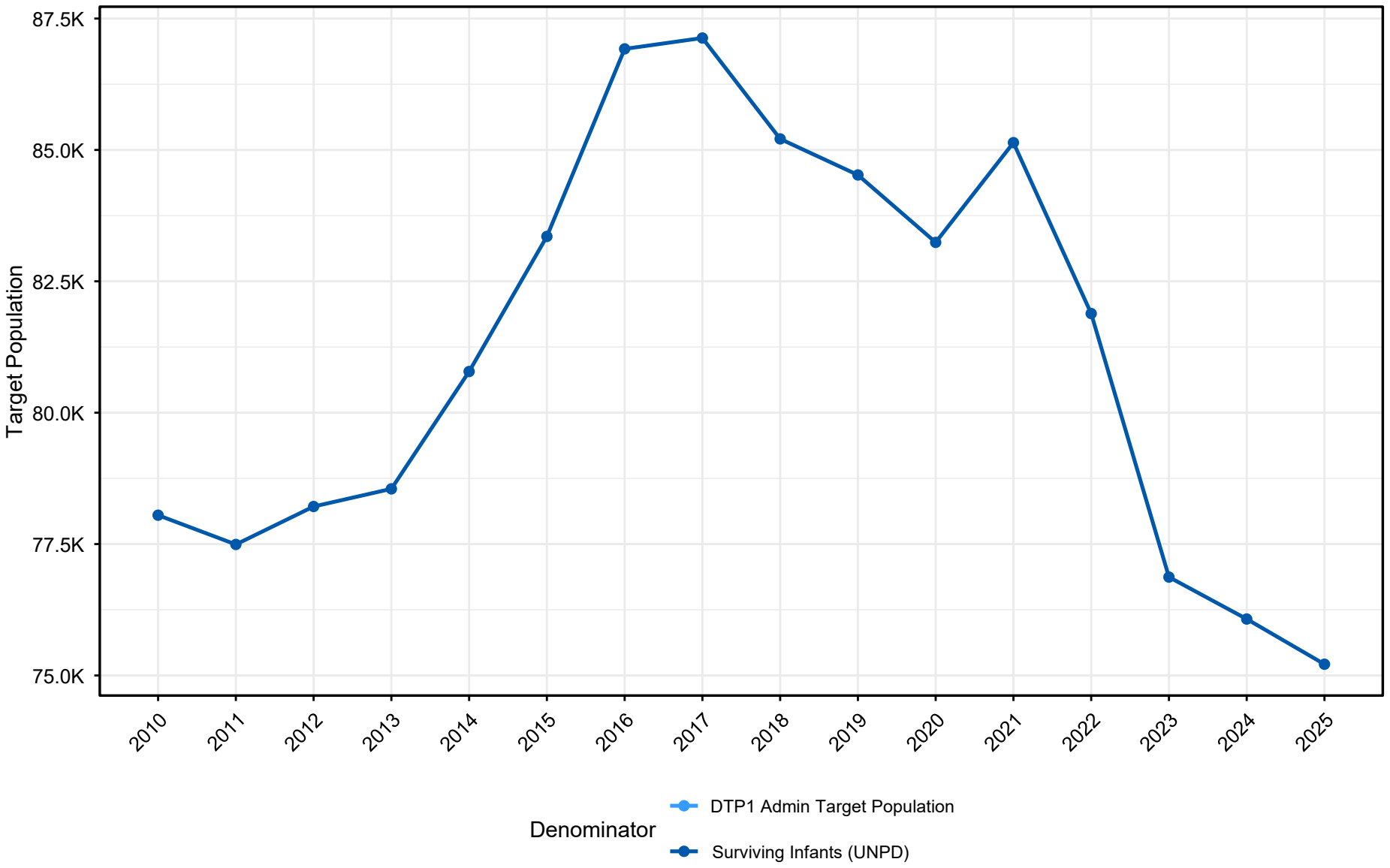
Summary of all admin data comment fields for the most recent year with available data (2025).

unicef World Health Organization

WUENIC 2025 revision

Denominator Checks

Live Births & Surviving Infants (UNPD) vs. Admin Denominators, Austria, 2010–2025



NOTE: BCG is not in Austria's current schedule; no Live Births data available.
Data from 2024 World Population Prospects (WPP) revision.

Comparison of trends in live births and surviving infants, 2010–2025.

Live births is used is the denominator for BCG and HepBB.

Surviving infants is used as the denominator for other vaccines given in the first year of life.

Admin target populations are reported by the country, while the United Nations Population Division (UNPD) produces the World Population Prospects (WPP) data.

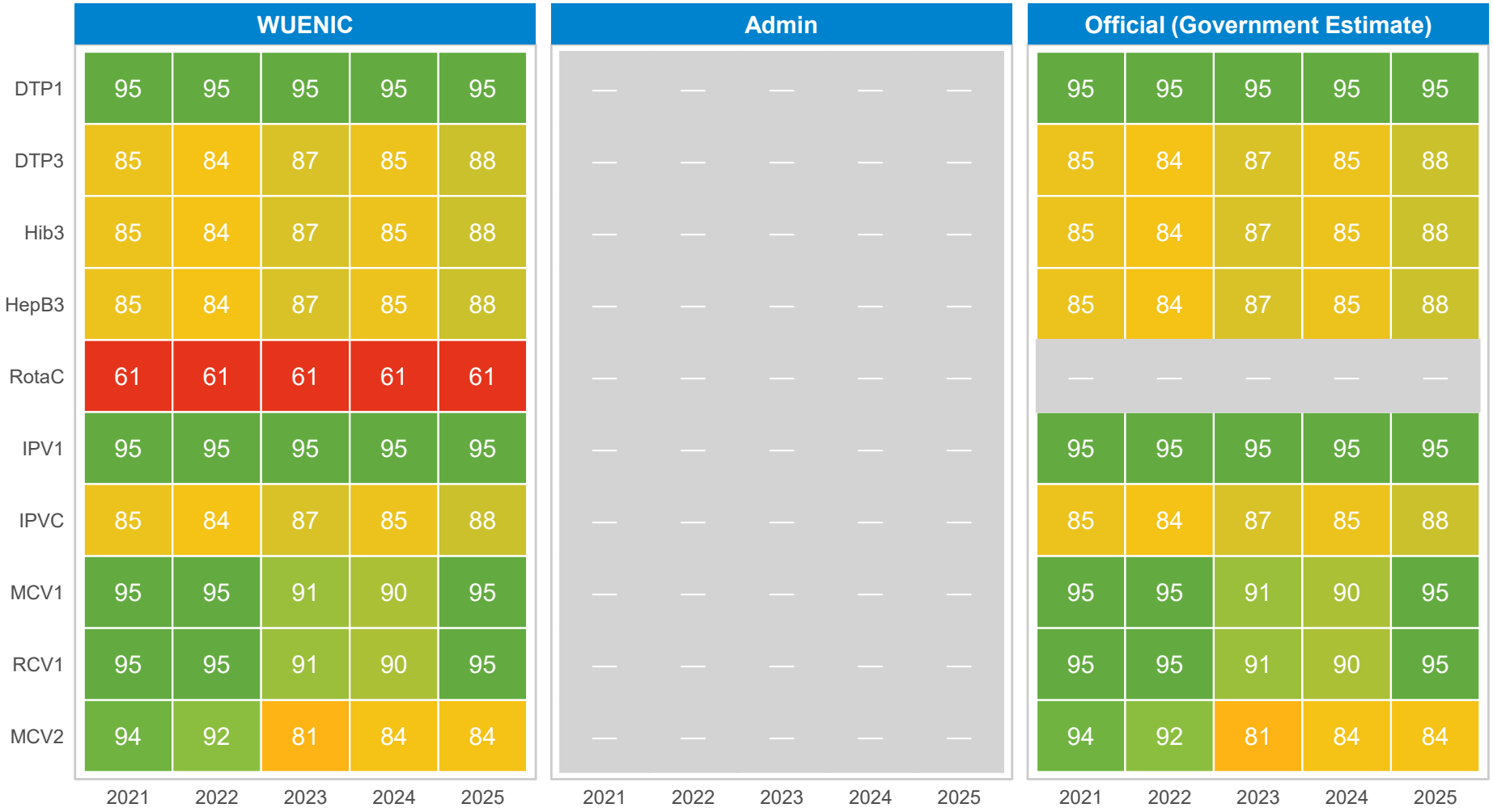
UNPD is the United Nations Population Division.

unicef World Health Organization

WUENIC 2025 revision

Coverage Comparison Between WUENIC, Admin, and Official Estimates

Coverage Trends by Vaccine and Source, Austria, 2021–2025



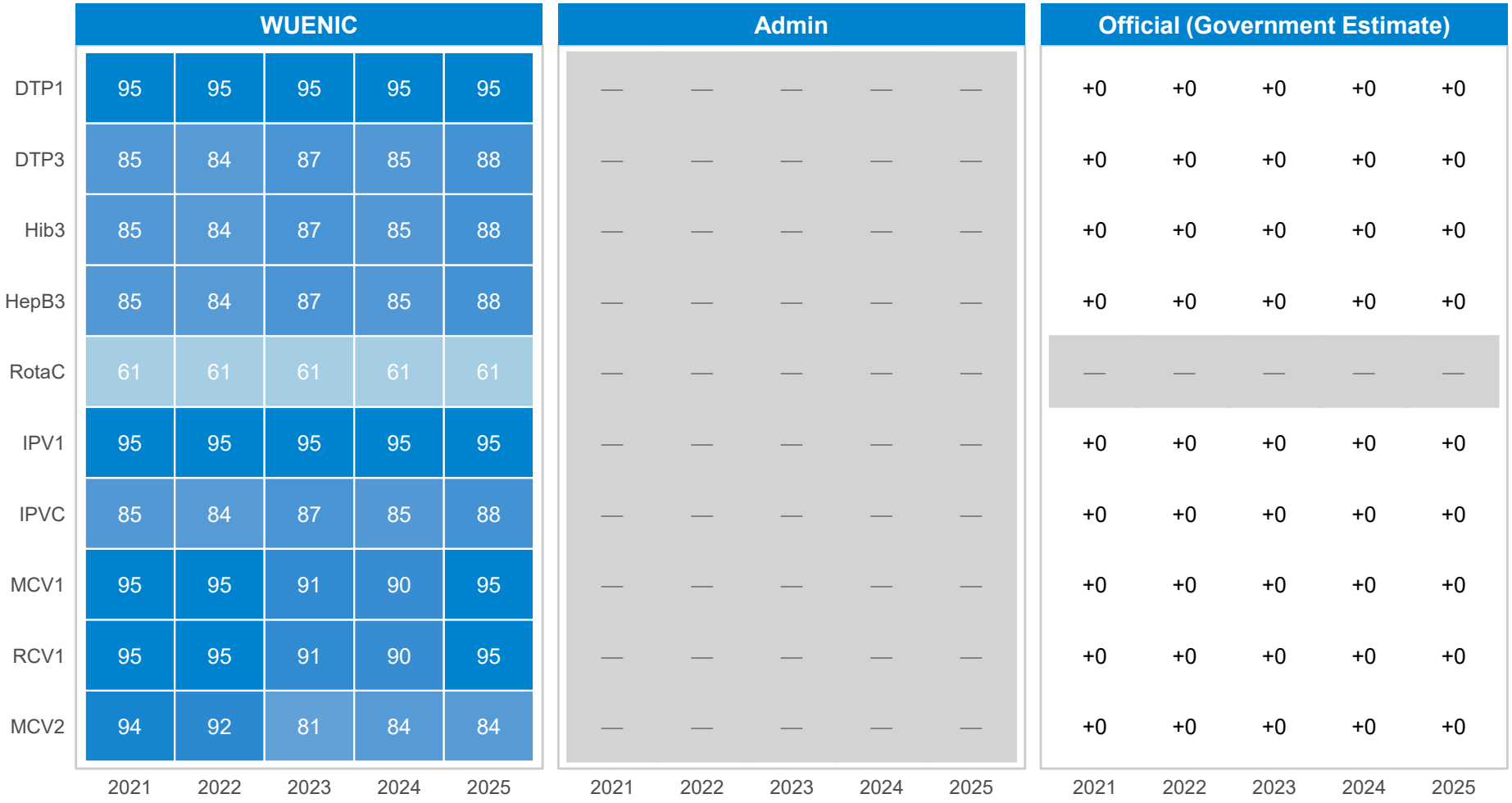
WUENIC HPV coverage estimates not included.
White = not yet introduced or not reported. Grey = missing data.
Survey panel not presented as Austria reported no survey data.

Coverage by vaccine and data source (WUENIC, Admin, Official, Survey) for the most recent 5 years.

unicef World Health Organization

WUENIC 2025 revision

Coverage vs. WUENIC Estimates by Source, Austria, 2021–2025



WUENIC panel shows absolute coverage. All other panels show percentage point difference vs. WUENIC estimate.

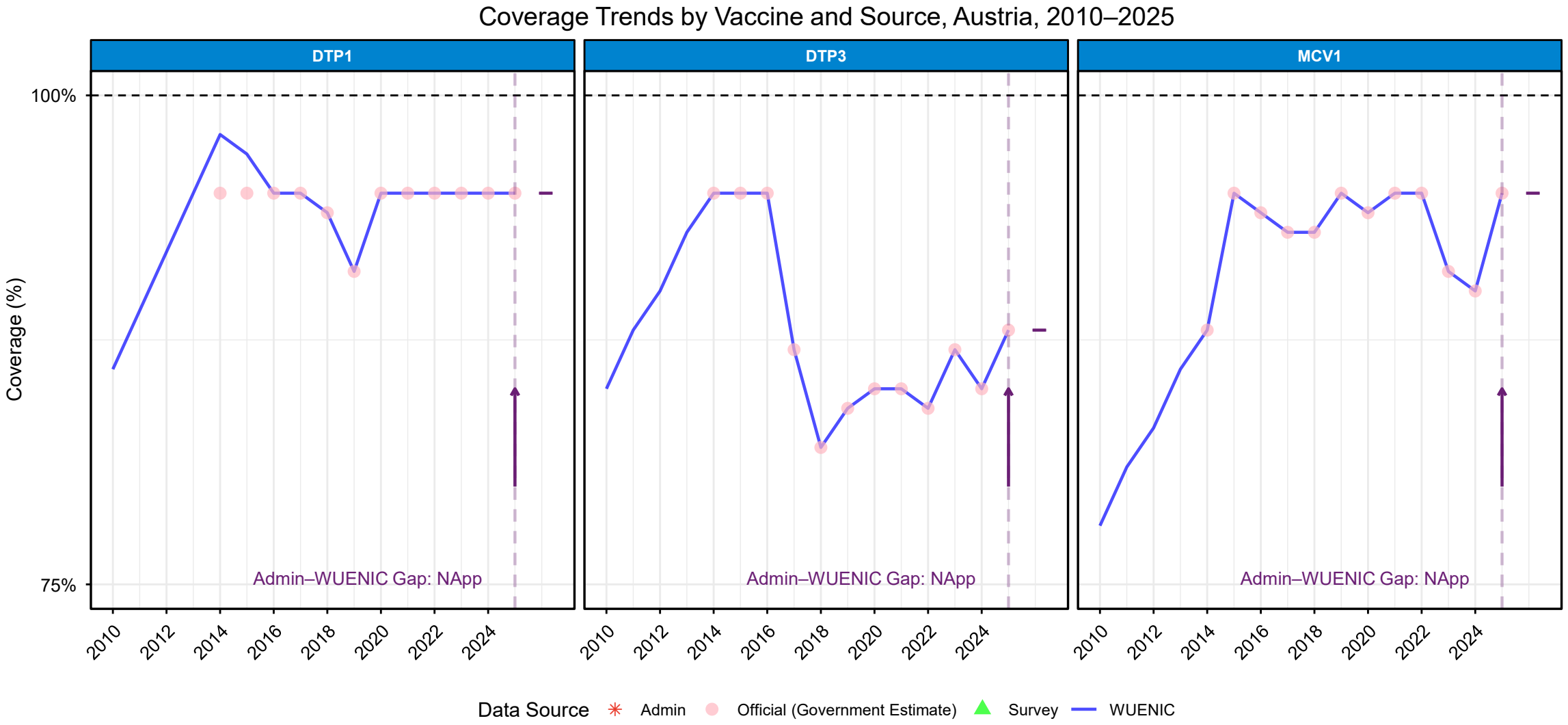
White = not yet introduced or not reported. Grey = missing data.
Survey panel not presented as Austria reported no survey data.

Difference in percentage points between administrative, official, and survey coverage and WUENIC estimates (e.g., Admin - WUENIC) for the most recent 5 years.

A difference of zero indicates that the coverage source and WUENIC estimate are identical, usually indicating that source informed the WUENIC estimate.

unicef World Health Organization

WUENIC 2025 revision



Coverage trends for DTP1, DTP3, and MCV1 by data source, 2010–2025.

unicef

World Health Organization

Actionable Health Analytics for Decision-making (AHEAD)

AHEAD is a UNICEF initiative that strengthens the quality and use of routine immunization data by working closely with Ministries of Health and national Expanded Programme on Immunization (EPI) teams.

AHEAD begins with a systematic review of routine immunization data to identify and address data quality issues, including missing or inconsistent reporting, internal inconsistencies, implausible year-to-year fluctuations, and inaccuracies in target population denominators. Through a collaborative process with national teams, reported data are reviewed, cleaned, and validated, while alternative denominator sources are assessed to improve the accuracy and interpretation of vaccination coverage estimates.

Building on these strengthened data, AHEAD produces timely subnational immunization analytics at regional, district, and health facility levels to identify priority areas, monitor trends, and support evidence-based planning and targeted interventions.

Please contact UNICEF for more information at: data@unicef.org

AHEAD





