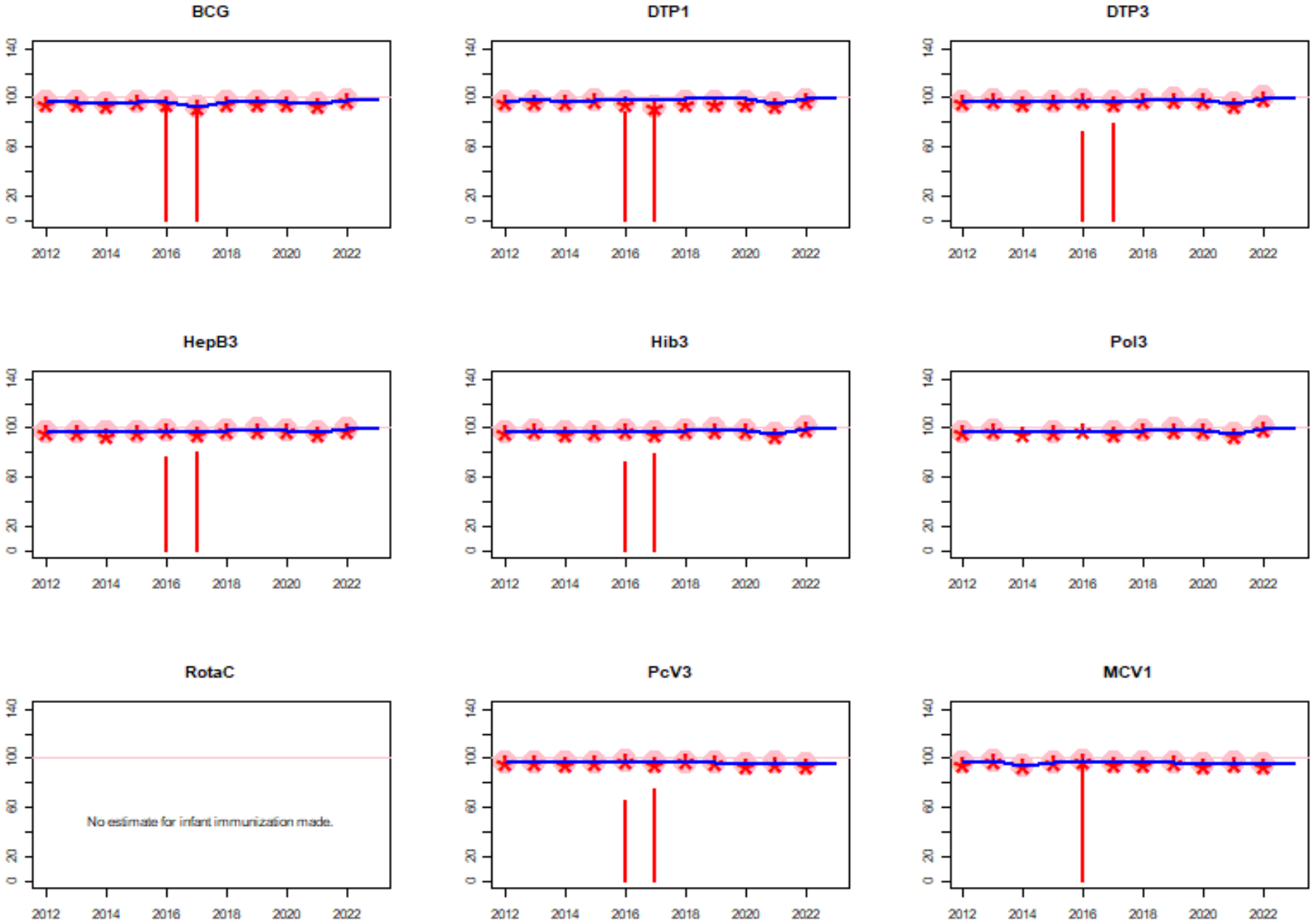

BCG
DTP1
DTP3
HepB3
Hib3
Pol3
RotaC
No estimate for infant immunization made.
PcV3
MCV1
0
20
60
100
140
2012
2014
2016
2018
2020
2022

BACKGROUND NOTE: Each year WHO and UNICEF jointly review reports submitted by Member States regarding national immunization coverage, finalized survey reports as well as data from published and grey literature. Based on these data, with due consideration to potential biases and the views of local experts, WHO and UNICEF attempt to distinguish between situations where available empirical data accurately reflect immunization system performance and those where the data are likely compromised and present a misleading view of coverage.

WHO and UNICEF estimates are country-specific; that is to say, each country's data are reviewed individually, and data are not borrowed from other countries in the absence of data. Estimates are not based on ad hoc adjustments to reported data; in some instances empirical data are available from a single source, usually the nationally reported coverage data. In cases where no data are available for a given country/vaccine/year combination, data are considered from earlier and later years and interpolated to estimate coverage for the missing year(s). In cases where data sources are mixed and show large variation, an attempt is made to identify the most likely estimate with consideration of the possible biases in available data. For methods see:

*Burton et al. 2009. Bull World Health Organ.
*Burton et al. 2012. PLoS One.
*Danovaro-Holliday et al. 2021. Gates Open Res.

DATA SOURCES.

ADMINISTRATIVE coverage: 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 data) and reported target population data (denominator data). May be biased by inaccurate numerator and/or denominator data.

OFFICIAL coverage: 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. Approaches to determine OFFICIAL coverage may differ across countries.

SURVEY coverage: Based on estimated coverage from population-based household surveys among children aged 12-23 or 24-35 months following a review of survey methods and results. Information is based on the combination of vaccination history from documented evidence or caregiver recall. Survey results are considered for the appropriate birth cohort based on data collection period.

ABBREVIATIONS

BCG: percentage of births who received one dose of Bacillus Calmette Guerin vaccine.

DTP1 / DTP3: percentage of surviving infants who received the 1st / 3rd dose, respectively, of diphtheria and tetanus toxoid with pertussis containing vaccine.

Pol3: percentage of surviving infants who received the 3rd dose of polio containing vaccine. May be either oral or inactivated polio vaccine.

IPV1: percentage of surviving infants who received at least one dose of inactivated polio vaccine. In countries utilizing an immunization schedule recommending either (i) a primary series of three doses of oral polio vaccine (OPV) plus at least one dose of IPV where OPV is included in routine immunization and/or campaign or (ii) a sequential schedule of IPV followed by OPV, WHO and UNICEF estimates for IPV1 reflect coverage with at least one routine dose of IPV among infants <1 year of age. For countries utilizing IPV containing vaccine only, i.e., no recommended dose of OPV, WHO and UNICEF estimate for IPV1 corresponds to coverage for the 1st dose of IPV. Production of IPV coverage estimates, which begins in 2015, results in no change of the estimated coverage levels for the 3rd dose of polio (Pol3). For countries recommending routine immunization with a primary series of three doses of IPV alone, WHO and UNICEF estimated Pol3 coverage is equivalent to estimated coverage with three doses of IPV. For countries with a sequential schedule, estimated Pol3 coverage is based on that for the 3rd dose of polio vaccine regardless of vaccine type.

IPV2: percentage of surviving infants who received a 2nd dose of inactivated polio vaccine. IPV2 coverage estimates produced for OPV using countries.

MCV1: percentage of surviving infants who received the 1st dose of measles containing vaccine. In countries where the national schedule recommends the 1st dose of MCV at 12 months or later based on the epidemiology of disease in the country, coverage estimates reflect the percentage of children who received the 1st dose of MCV as recommended.

MCV2: percentage of children who received the 2nd dose of measles containing vaccine according to the nationally recommended schedule.

RCV1: percentage of surviving infants who received the 1st dose of rubella containing vaccine. Co verage estimates are based on WHO and UNICEF estimates of coverage for the dose of measles containing vaccine that corresponds to the first measles-rubella combination vaccine. Nationally reported coverage of RCV is not taken into consideration nor are the data represented in the accompanying graph and data table.

HepBB: percentage of births which received a dose of hepatitis B vaccine within 24 hours of delivery. Estimates of hepatitis B birth dose coverage are produced only for countries with a universal birth dose policy. Estimates are not produced for countries that recommend a birth dose to infants born to HepB virus-infected mothers only or where there is insufficient information to determine whether vaccination is within 24 hours of birth.

HepB3: percentage of surviving infants who received the 3rd dose of hepatitis B containing vaccine following the birth dose.

Hib3: percentage of surviving infants who received the 3rd dose of Haemophilus influenzae type b containing vaccine.

RotaC: percentage of surviving infants who received the final recommended dose of rotavirus vaccine, which can be either the 2nd or the 3rd dose depending on the vaccine.

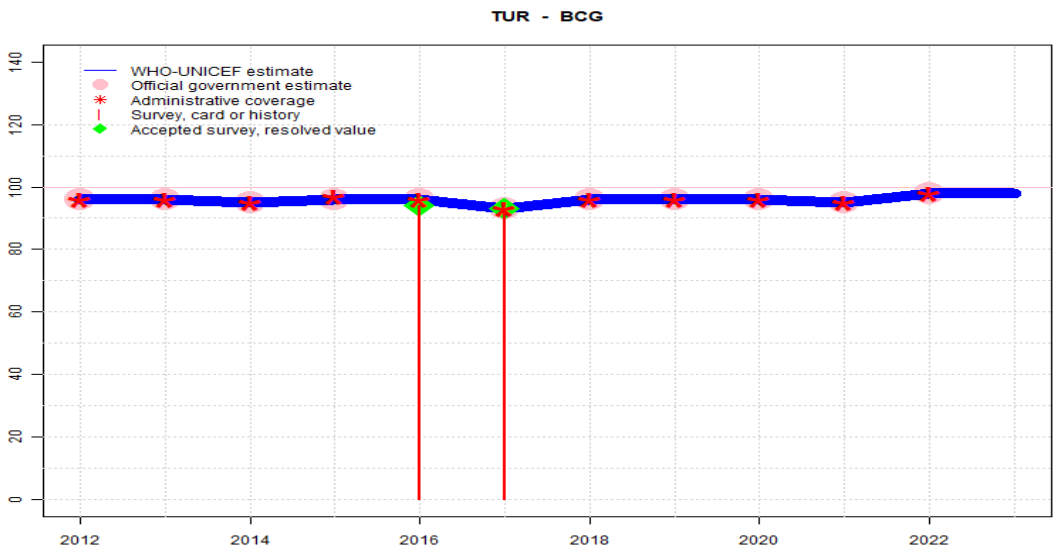
PcV3: percentage of surviving infants who received the 3rd dose of pneumococcal conjugate vaccine. In countries where the national schedule recommends two doses during infancy and a booster dose at 12 months or later based on the epidemiology of disease in the country, coverage estimates may reflect the percentage of surviving infants who received two doses of PcV prior to the 1st birthday.

YFV: percentage of surviving infants who received one dose of yellow fever vaccine in countries where YFV is part of the national immunization schedule for children or is recommended in at risk areas; coverage estimates are annualized for the entire cohort of surviving infants.

MengA: percentage of children who received one dose of meningococcal A conjugate vaccine. MengA coverage estimates produced for countries in the meningitis belt of sub-Saharan Africa.

Disclaimer: All reasonable precautions have been taken by the World Health Organization and United Nations Children's Fund to verify the information contained in this publication. However, the published material is being distributed without warranty of any kind, either expressed or implied. The responsibility for the interpretation and use of the material lies with the reader. In no event shall the World Health Organization or United Nations Children's Fund be liable for damages arising from its use.

Türkiye - BCG



	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Estimate	96	96	95	96	96	93	96	96	96	95	98	98
Estimate GoC	••	••	•••	•••	•••	•••	•••	•••	••	••	••	•
Official	96	96	95	96	96	93	96	96	96	95	98	NA
Administrative	96	96	95	97	96	93	96	96	96	95	98	NA
Survey	NA	NA	NA	NA	94	93	NA	NA	NA	NA	NA	NA

The WHO and UNICEF estimates of national immunization coverage (wuenic) are based on data and information that are of varying, and, in some instances, unknown quality. Beginning with the 2011 revision we describe the grade of confidence (GoC) we have in these estimates. As there is no underlying probability model upon which the estimates are based, we are unable to present classical measures of uncertainty, e.g., confidence intervals. Moreover, we have chosen not to make subjective estimates of plausibility/certainty ranges around the coverage. The GoC reflects the degree of empirical support upon which the estimates are based. It is not a judgment of the quality of data reported by national authorities.

••• Estimate is supported by reported data [R+], coverage recalculated with an independent denominator from the World Population Prospects: 2022 revision from the UN Population Division (D+), and at least one supporting survey within 2 years [S+]. While well supported, the estimate still carries a risk of being wrong.

•• Estimate is supported by at least one data source; [R+], [S+], or [D+]; and no data source, [R-], [D-], or [S-], challenges the estimate.

• There are no directly supporting data; or data from at least one source; [R-], [D-], [S-]; challenge the estimate.

In all cases these estimates should be used with caution and should be assessed in light of the objective for which they are being used.

Description:

2023: Estimate based on extrapolation from data reported by national government. No nationally representative household survey for the most recent 5 annual birth cohorts. WHO and UNICEF recommend a high quality survey to verify reported levels of coverage. GoC=No accepted empirical data

2022: Estimate informed by reported data. Reported denominator declining rapidly since 2016. Estimated coverage levels likely overestimate actual coverage in the country. GoC=R+ D+

2021: Estimate informed by reported data. GoC=R+ D+

2020: Estimate informed by reported data. GoC=R+ D+

2019: Estimate informed by reported data. GoC=R+ S+ D+

2018: Estimate informed by reported data. GoC=R+ S+ D+

2017: Estimate informed by reported data supported by survey. Survey evidence of 93 percent based on 1 survey(s). GoC=R+ S+ D+

2016: Estimate informed by reported data supported by survey. Survey evidence of 94 percent based on 1 survey(s). GoC=R+ S+ D+

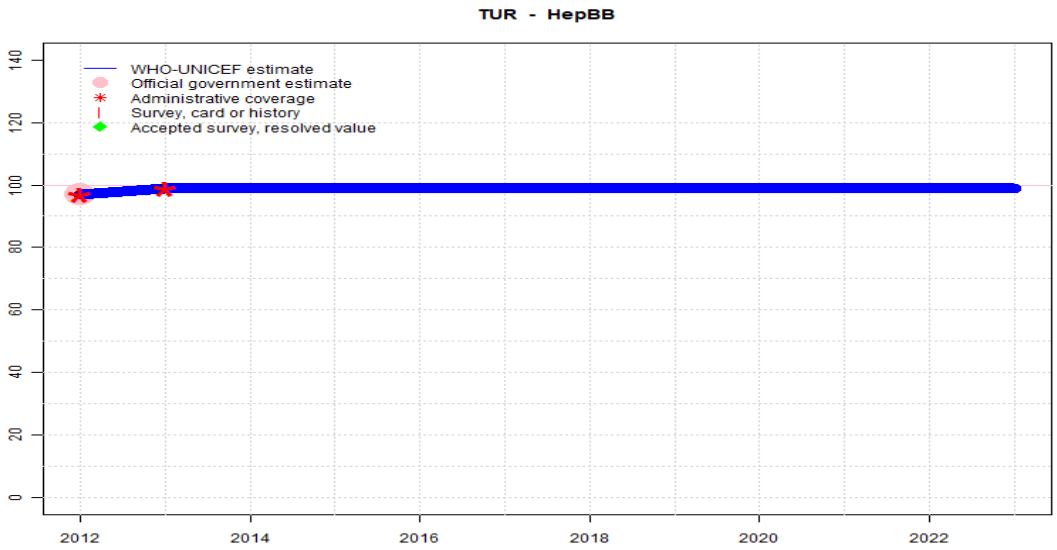
2015: Estimate informed by reported data. GoC=R+ S+ D+

2014: Estimate informed by reported data. GoC=R+ S+ D+

2013: Estimate informed by reported data. GoC=R+ D+

2012: Estimate informed by reported data. GoC=R+ D+

Türkiye - HepBB



	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Estimate	97	99	99	99	99	99	99	99	99	99	99	99
Estimate GoC	●●	●●	●	●	●	●	●	●	●	●	●	●
Official	97	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Administrative	97	99	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Survey	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

The WHO and UNICEF estimates of national immunization coverage (wuenic) are based on data and information that are of varying, and, in some instances, unknown quality. Beginning with the 2011 revision we describe the grade of confidence (GoC) we have in these estimates. As there is no underlying probability model upon which the estimates are based, we are unable to present classical measures of uncertainty, e.g., confidence intervals. Moreover, we have chosen not to make subjective estimates of plausibility/certainty ranges around the coverage. The GoC reflects the degree of empirical support upon which the estimates are based. It is not a judgment of the quality of data reported by national authorities.

●●● Estimate is supported by reported data [R+], coverage recalculated with an independent denominator from the World Population Prospects: 2022 revision from the UN Population Division (D+), and at least one supporting survey within 2 years [S+]. While well supported, the estimate still carries a risk of being wrong.

●● Estimate is supported by at least one data source; [R+], [S+], or [D+]; and no data source, [R-], [D-], or [S-], challenges the estimate.

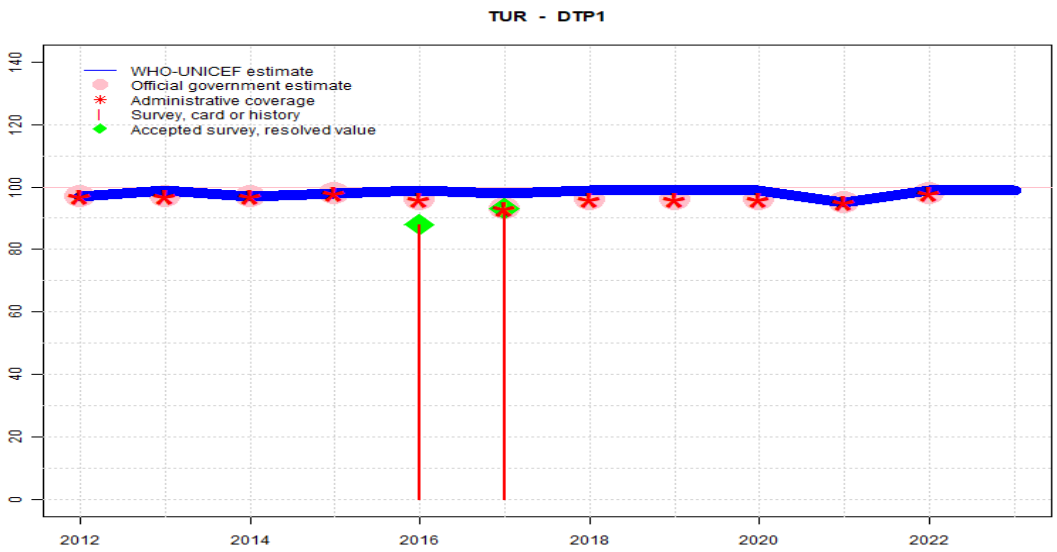
● There are no directly supporting data; or data from at least one source; [R-], [D-], [S-]; challenge the estimate.

In all cases these estimates should be used with caution and should be assessed in light of the objective for which they are being used.

Description:

2023: Estimate informed by extrapolation from reported data. No nationally representative household survey for the most recent 5 annual birth cohorts. WHO and UNICEF recommend a high quality survey to verify reported levels of coverage. GoC=No accepted empirical data
2022: Estimate informed by extrapolation from reported data. Reported denominator declining rapidly since 2016. Estimated coverage levels likely overestimate actual coverage in the country. GoC=No accepted empirical data
2021: Estimate informed by extrapolation from reported data. GoC=No accepted empirical data
2020: Estimate informed by extrapolation from reported data. GoC=No accepted empirical data
2019: Estimate informed by extrapolation from reported data. GoC=No accepted empirical data
2018: Estimate informed by extrapolation from reported data. GoC=No accepted empirical data
2017: Estimate informed by extrapolation from reported data. GoC=No accepted empirical data
2016: Estimate informed by extrapolation from reported data. GoC=No accepted empirical data
2015: Estimate informed by extrapolation from reported data. GoC=No accepted empirical data
2014: Estimate informed by extrapolation from reported data. GoC=No accepted empirical data
2013: Estimate informed by reported administrative data. GoC=R+ D+
2012: Estimate informed by reported data. GoC=R+ D+

Türkiye - DTP1



	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Estimate	97	99	97	98	99	98	99	99	99	95	99	99
Estimate GoC	●●	●	●●●	●●●	●	●	●	●	●	●●	●	●
Official	97	97	97	98	96	93	96	96	96	95	98	NA
Administrative	97	97	97	98	96	93	96	96	96	95	98	NA
Survey	NA	NA	NA	NA	88	93	NA	NA	NA	NA	NA	NA

The WHO and UNICEF estimates of national immunization coverage (wuenic) are based on data and information that are of varying, and, in some instances, unknown quality. Beginning with the 2011 revision we describe the grade of confidence (GoC) we have in these estimates. As there is no underlying probability model upon which the estimates are based, we are unable to present classical measures of uncertainty, e.g., confidence intervals. Moreover, we have chosen not to make subjective estimates of plausibility/certainty ranges around the coverage. The GoC reflects the degree of empirical support upon which the estimates are based. It is not a judgment of the quality of data reported by national authorities.

●●● Estimate is supported by reported data [R+], coverage recalculated with an independent denominator from the World Population Prospects: 2022 revision from the UN Population Division (D+), and at least one supporting survey within 2 years [S+]. While well supported, the estimate still carries a risk of being wrong.

●● Estimate is supported by at least one data source; [R+], [S+], or [D+]; and no data source, [R-], [D-], or [S-], challenges the estimate.

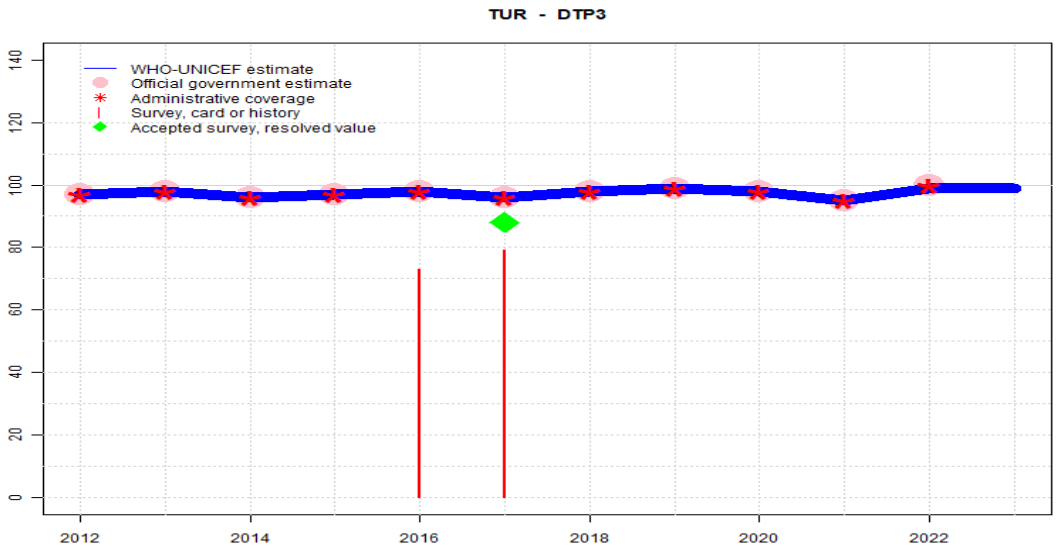
● There are no directly supporting data; or data from at least one source; [R-], [D-], [S-]; challenge the estimate.

In all cases these estimates should be used with caution and should be assessed in light of the objective for which they are being used.

Description:

2023: DTP1 coverage estimated based on DTP3 coverage of 100. No nationally representative household survey for the most recent 5 annual birth cohorts. WHO and UNICEF recommend a high quality survey to verify reported levels of coverage. GoC=No accepted empirical data
2022: DTP1 coverage estimated based on DTP3 coverage of 100. Reported denominator declining rapidly since 2016. Estimated coverage levels likely overestimate actual coverage in the country. Estimate challenged by: R-
2021: Estimate informed by reported data. GoC=R+ D+
2020: DTP1 coverage estimated based on DTP3 coverage of 98. Estimate challenged by: R-
2019: DTP1 coverage estimated based on DTP3 coverage of 99. Estimate challenged by: D-R-
2018: DTP1 coverage estimated based on DTP3 coverage of 98. Estimate challenged by: D-R-S-
2017: DTP1 coverage estimated based on DTP3 coverage of 96. Estimate challenged by: D-R-
2016: DTP1 coverage estimated based on DTP3 coverage of 98. Estimate challenged by: R-S-
2015: Estimate informed by reported data. GoC=R+ S+ D+
2014: Estimate informed by reported data. GoC=R+ S+ D+
2013: DTP1 coverage estimated based on DTP3 coverage of 98. Estimate challenged by: R-
2012: Estimate informed by reported data. GoC=R+ D+

Türkiye - DTP3



	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Estimate	97	98	96	97	98	96	98	99	98	95	99	99
Estimate GoC	●●	●●	●●	●●●	●●●	●●●	●●●	●	●●	●●	●●	●
Official	97	98	96	97	98	96	98	99	98	95	100	NA
Administrative	97	98	96	97	98	96	98	99	98	95	100	NA
Survey	NA	NA	NA	NA	73	79	NA	NA	NA	NA	NA	NA

The WHO and UNICEF estimates of national immunization coverage (wuenic) are based on data and information that are of varying, and, in some instances, unknown quality. Beginning with the 2011 revision we describe the grade of confidence (GoC) we have in these estimates. As there is no underlying probability model upon which the estimates are based, we are unable to present classical measures of uncertainty, e.g., confidence intervals. Moreover, we have chosen not to make subjective estimates of plausibility/certainty ranges around the coverage. The GoC reflects the degree of empirical support upon which the estimates are based. It is not a judgment of the quality of data reported by national authorities.

●●● Estimate is supported by reported data [R+], coverage recalculated with an independent denominator from the World Population Prospects: 2022 revision from the UN Population Division (D+), and at least one supporting survey within 2 years [S+]. While well supported, the estimate still carries a risk of being wrong.

●● Estimate is supported by at least one data source; [R+], [S+], or [D+]; and no data source, [R-], [D-], or [S-], challenges the estimate.

● There are no directly supporting data; or data from at least one source; [R-], [D-], [S-]; challenge the estimate.

In all cases these estimates should be used with caution and should be assessed in light of the objective for which they are being used.

Description:

2023: Estimate based on extrapolation from data reported by national government. No nationally representative household survey for the most recent 5 annual birth cohorts. WHO and UNICEF recommend a high quality survey to verify reported levels of coverage. GoC=No accepted empirical data

2022: Estimate informed by reported data. Reported denominator declining rapidly since 2016. Estimated coverage levels likely overestimate actual coverage in the country. GoC=R+ D+

2021: Estimate informed by reported data. GoC=R+ D+

2020: Estimate informed by reported data. GoC=R+ D+

2019: Estimate informed by reported data. Estimate challenged by: S-

2018: Estimate informed by reported data. GoC=R+ S+ D+

2017: Estimate informed by reported data supported by survey. Survey evidence of 88 percent based on 1 survey(s). Turkey Demographic and Health Survey 2018 card or history results of 79 percent modifed for recall bias to 88 percent based on 1st dose card or history coverage of 93 percent, 1st dose card only coverage of 69 percent and 3rd dose card only coverage of 65 percent. GoC=R+ S+ D+

2016: Estimate informed by reported data. Turkey Demographic and Health Survey 2018 results ignored by working group. Cards available for older cohort is 53 percent. Results ignored for consistency with younger cohort and other vaccine-doses.Turkey Demographic and Health Survey 2018 card or history results of 73 percent modifed for recall bias to 86 percent based on 1st dose card or history coverage of 88 percent, 1st dose card only coverage of 53 percent and 3rd dose card only coverage of 52 percent. GoC=R+ S+ D+

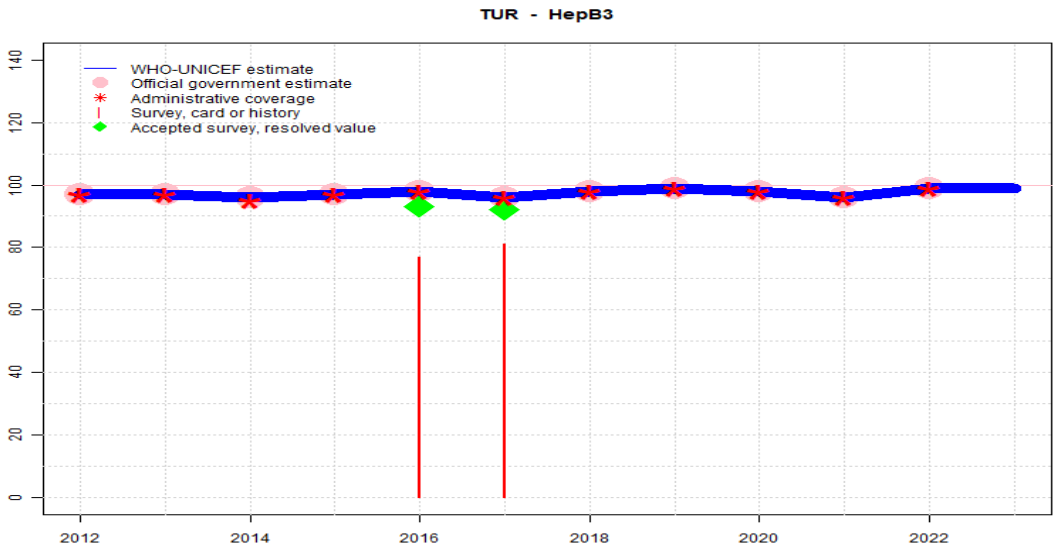
2015: Estimate informed by reported data. GoC=R+ S+ D+

2014: Estimate informed by reported data. GoC=R+ D+

2013: Estimate informed by reported data. GoC=R+ D+

2012: Estimate informed by reported data. GoC=R+ D+

Türkiye - HepB3



	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Estimate	97	97	96	97	98	96	98	99	98	96	99	99
Estimate GoC	••	••	•••	•••	•••	•••	•••	•••	••	••	••	•
Official	97	97	96	97	98	96	98	99	98	96	99	NA
Administrative	97	97	95	97	98	96	98	99	98	96	99	NA
Survey	NA	NA	NA	NA	77	81	NA	NA	NA	NA	NA	NA

The WHO and UNICEF estimates of national immunization coverage (wuenic) are based on data and information that are of varying, and, in some instances, unknown quality. Beginning with the 2011 revision we describe the grade of confidence (GoC) we have in these estimates. As there is no underlying probability model upon which the estimates are based, we are unable to present classical measures of uncertainty, e.g., confidence intervals. Moreover, we have chosen not to make subjective estimates of plausibility/certainty ranges around the coverage. The GoC reflects the degree of empirical support upon which the estimates are based. It is not a judgment of the quality of data reported by national authorities.

••• Estimate is supported by reported data [R+], coverage recalculated with an independent denominator from the World Population Prospects: 2022 revision from the UN Population Division (D+), and at least one supporting survey within 2 years [S+]. While well supported, the estimate still carries a risk of being wrong.

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• There are no directly supporting data; or data from at least one source; [R-], [D-], [S-]; challenge the estimate.

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Description:

2023: Estimate based on extrapolation from data reported by national government. No nationally representative household survey for the most recent 5 annual birth cohorts. WHO and UNICEF recommend a high quality survey to verify reported levels of coverage. GoC=No accepted empirical data

2022: Estimate informed by reported data. Reported denominator declining rapidly since 2016. Estimated coverage levels likely overestimate actual coverage in the country. GoC=R+ D+

2021: Estimate informed by reported data. GoC=R+ D+

2020: Estimate informed by reported data. GoC=R+ D+

2019: Estimate informed by reported data. GoC=R+ S+ D+

2018: Estimate informed by reported data. GoC=R+ S+ D+

2017: Estimate informed by reported data supported by survey. Survey evidence of 92 percent based on 1 survey(s). Turkey Demographic and Health Survey 2018 card or history results of 81 percent modifed for recall bias to 92 percent based on 1st dose card or history coverage of 96 percent, 1st dose card only coverage of 69 percent and 3rd dose card only coverage of 66 percent. GoC=R+ S+ D+

2016: Estimate informed by reported data supported by survey. Survey evidence of 93 percent based on 1 survey(s). Turkey Demographic and Health Survey 2018 card or history results of 77 percent modifed for recall bias to 93 percent based on 1st dose card or history coverage of 95 percent, 1st dose card only coverage of 53 percent and 3rd dose card only coverage of 52 percent. GoC=R+ S+ D+

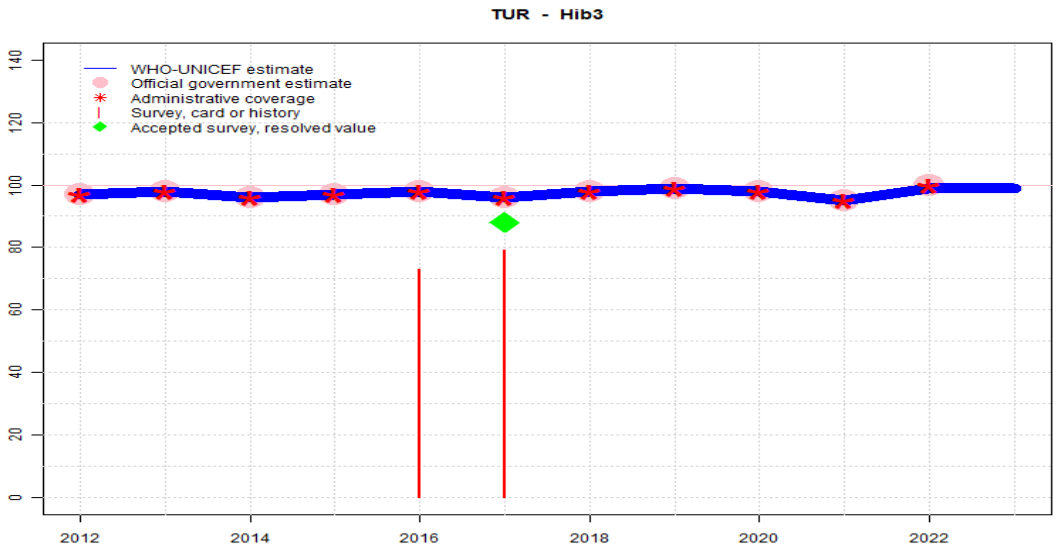
2015: Estimate informed by reported data. GoC=R+ S+ D+

2014: Estimate informed by reported data. GoC=R+ S+ D+

2013: Estimate informed by reported data. GoC=R+ D+

2012: Estimate informed by reported data. GoC=R+ D+

Türkiye - Hib3



	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Estimate	97	98	96	97	98	96	98	99	98	95	99	99
Estimate GoC	●●	●●	●●	●●●	●●●	●●●	●●●	●	●●	●●	●●	●
Official	97	98	96	97	98	96	98	99	98	95	100	NA
Administrative	97	98	96	97	98	96	98	99	98	95	100	NA
Survey	NA	NA	NA	NA	73	79	NA	NA	NA	NA	NA	NA

The WHO and UNICEF estimates of national immunization coverage (wuenic) are based on data and information that are of varying, and, in some instances, unknown quality. Beginning with the 2011 revision we describe the grade of confidence (GoC) we have in these estimates. As there is no underlying probability model upon which the estimates are based, we are unable to present classical measures of uncertainty, e.g., confidence intervals. Moreover, we have chosen not to make subjective estimates of plausibility/certainty ranges around the coverage. The GoC reflects the degree of empirical support upon which the estimates are based. It is not a judgment of the quality of data reported by national authorities.

●●● Estimate is supported by reported data [R+], coverage recalculated with an independent denominator from the World Population Prospects: 2022 revision from the UN Population Division (D+), and at least one supporting survey within 2 years [S+]. While well supported, the estimate still carries a risk of being wrong.

●● Estimate is supported by at least one data source; [R+], [S+], or [D+]; and no data source, [R-], [D-], or [S-], challenges the estimate.

● There are no directly supporting data; or data from at least one source; [R-], [D-], [S-]; challenge the estimate.

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Description:

2023: Estimate based on extrapolation from data reported by national government. No nationally representative household survey for the most recent 5 annual birth cohorts. WHO and UNICEF recommend a high quality survey to verify reported levels of coverage. GoC=No accepted empirical data

2022: Estimate informed by reported data. Reported denominator declining rapidly since 2016. Estimated coverage levels likely overestimate actual coverage in the country. GoC=R+ D+

2021: Estimate informed by reported data. GoC=R+ D+

2020: Estimate informed by reported data. GoC=R+ D+

2019: Estimate informed by reported data. Estimate challenged by: S-

2018: Estimate informed by reported data. GoC=R+ S+ D+

2017: Estimate informed by reported data supported by survey. Survey evidence of 88 percent based on 1 survey(s). Turkey Demographic and Health Survey 2018 card or history results of 79 percent modifed for recall bias to 88 percent based on 1st dose card or history coverage of 93 percent, 1st dose card only coverage of 69 percent and 3rd dose card only coverage of 65 percent. GoC=R+ S+ D+

2016: Estimate informed by reported data. Turkey Demographic and Health Survey 2018 results ignored by working group. Cards available for older cohort is 53 percent. Results ignored for consistency with younger cohort and other vaccine-doses.Turkey Demographic and Health Survey 2018 card or history results of 73 percent modifed for recall bias to 86 percent based on 1st dose card or history coverage of 88 percent, 1st dose card only coverage of 53 percent and 3rd dose card only coverage of 52 percent. GoC=R+ S+ D+

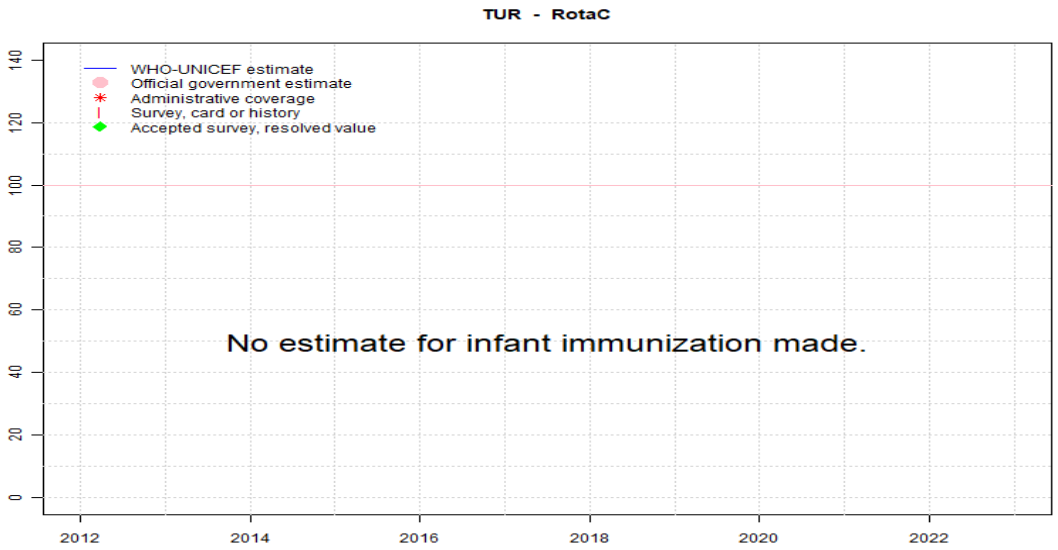
2015: Estimate informed by reported data. GoC=R+ S+ D+

2014: Estimate informed by reported data. GoC=R+ D+

2013: Estimate informed by reported data. GoC=R+ D+

2012: Estimate informed by reported data. GoC=R+ D+

Türkiye - RotaC



	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Estimate	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Estimate GoC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Official	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Administrative	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Survey	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

The WHO and UNICEF estimates of national immunization coverage (wuenic) are based on data and information that are of varying, and, in some instances, unknown quality. Beginning with the 2011 revision we describe the grade of confidence (GoC) we have in these estimates. As there is no underlying probability model upon which the estimates are based, we are unable to present classical measures of uncertainty, e.g., confidence intervals. Moreover, we have chosen not to make subjective estimates of plausibility/certainty ranges around the coverage. The GoC reflects the degree of empirical support upon which the estimates are based. It is not a judgment of the quality of data reported by national authorities.

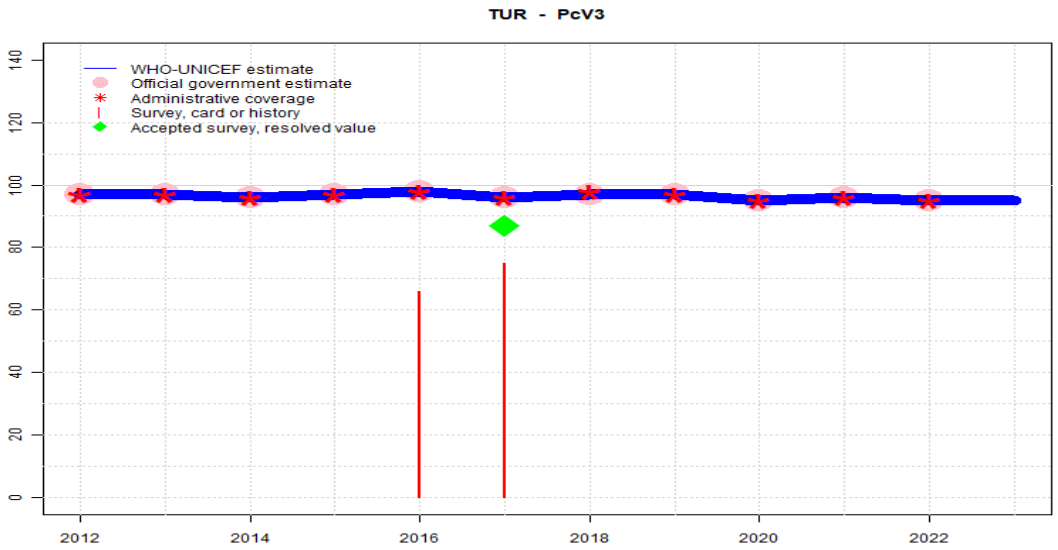
●●● Estimate is supported by reported data [R+], coverage recalculated with an independent denominator from the World Population Prospects: 2022 revision from the UN Population Division (D+), and at least one supporting survey within 2 years [S+]. While well supported, the estimate still carries a risk of being wrong.

●● Estimate is supported by at least one data source; [R+], [S+], or [D+]; and no data source, [R-], [D-], or [S-], challenges the estimate.

● There are no directly supporting data; or data from at least one source; [R-], [D-], [S-]; challenge the estimate.

In all cases these estimates should be used with caution and should be assessed in light of the objective for which they are being used.

Türkiye - PcV3



	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Estimate	97	97	96	97	98	96	97	97	95	96	95	95
Estimate GoC	●●	●●	●●	●●●	●	●●●	●●●	●●●	●●	●●	●●	●
Official	97	97	96	97	98	96	97	97	95	96	95	NA
Administrative	97	97	96	97	98	96	98	97	95	96	95	NA
Survey	NA	NA	NA	NA	66	75	NA	NA	NA	NA	NA	NA

The WHO and UNICEF estimates of national immunization coverage (wuenic) are based on data and information that are of varying, and, in some instances, unknown quality. Beginning with the 2011 revision we describe the grade of confidence (GoC) we have in these estimates. As there is no underlying probability model upon which the estimates are based, we are unable to present classical measures of uncertainty, e.g., confidence intervals. Moreover, we have chosen not to make subjective estimates of plausibility/certainty ranges around the coverage. The GoC reflects the degree of empirical support upon which the estimates are based. It is not a judgment of the quality of data reported by national authorities.

●●● Estimate is supported by reported data [R+], coverage recalculated with an independent denominator from the World Population Prospects: 2022 revision from the UN Population Division (D+), and at least one supporting survey within 2 years [S+]. While well supported, the estimate still carries a risk of being wrong.

●● Estimate is supported by at least one data source; [R+], [S+], or [D+]; and no data source, [R-], [D-], or [S-], challenges the estimate.

● There are no directly supporting data; or data from at least one source; [R-], [D-], [S-]; challenge the estimate.

In all cases these estimates should be used with caution and should be assessed in light of the objective for which they are being used.

Description:

2023: Estimate based on extrapolation from data reported by national government. No nationally representative household survey for the most recent 5 annual birth cohorts. WHO and UNICEF recommend a high quality survey to verify reported levels of coverage. GoC=No accepted empirical data

2022: Estimate informed by reported data. Reported denominator declining rapidly since 2016. Estimated coverage levels likely overestimate actual coverage in the country. GoC=R+ D+

2021: Estimate informed by reported data. GoC=R+ D+

2020: Estimate informed by reported data. GoC=R+ D+

2019: Estimate informed by reported data. GoC=R+ S+ D+

2018: Estimate informed by reported data. GoC=R+ S+ D+

2017: Estimate informed by reported data supported by survey. Survey evidence of 87 percent based on 1 survey(s). Turkey Demographic and Health Survey 2018 card or history results of 75 percent modifed for recall bias to 87 percent based on 1st dose card or history coverage of 91 percent, 1st dose card only coverage of 68 percent and 3rd dose card only coverage of 65 percent. GoC=R+ S+ D+

2016: Estimate informed by reported data. Turkey Demographic and Health Survey 2018 results ignored by working group. Cards available for older cohort is 53 percent. Results ignored for consistency with younger cohort and other vaccine-doses.Turkey Demographic and Health Survey 2018 card or history results of 66 percent modifed for recall bias to 87 percent based on 1st dose card or history coverage of 89 percent, 1st dose card only coverage of 52 percent and 3rd dose card only coverage of 51 percent. Estimate challenged by: S-

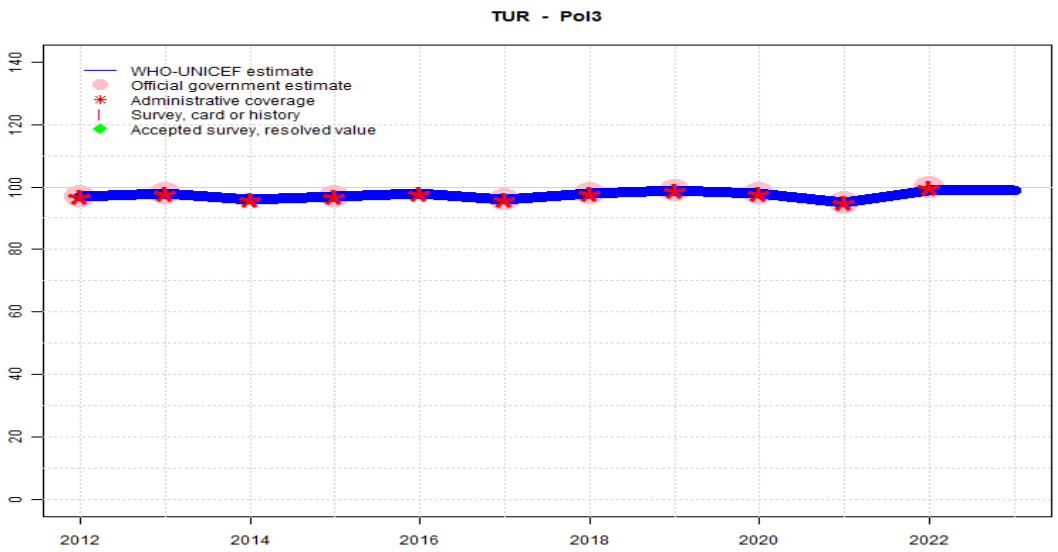
2015: Estimate informed by reported data. GoC=R+ S+ D+

2014: Estimate informed by reported data. GoC=R+ D+

2013: Estimate informed by reported data. GoC=R+ D+

2012: Estimate informed by reported data. GoC=R+ D+

Türkiye - Pol3



	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Estimate	97	98	96	97	98	96	98	99	98	95	99	99
Estimate GoC	●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●
Official	97	98	NA	97	NA	96	98	99	98	95	100	NA
Administrative	97	98	96	97	98	96	98	99	98	95	100	NA
Survey	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

The WHO and UNICEF estimates of national immunization coverage (wuenic) are based on data and information that are of varying, and, in some instances, unknown quality. Beginning with the 2011 revision we describe the grade of confidence (GoC) we have in these estimates. As there is no underlying probability model upon which the estimates are based, we are unable to present classical measures of uncertainty, e.g., confidence intervals. Moreover, we have chosen not to make subjective estimates of plausibility/certainty ranges around the coverage. The GoC reflects the degree of empirical support upon which the estimates are based. It is not a judgment of the quality of data reported by national authorities.

●●● Estimate is supported by reported data [R+], coverage recalculated with an independent denominator from the World Population Prospects: 2022 revision from the UN Population Division (D+), and at least one supporting survey within 2 years [S+]. While well supported, the estimate still carries a risk of being wrong.

●● Estimate is supported by at least one data source; [R+], [S+], or [D+]; and no data source, [R-], [D-], or [S-], challenges the estimate.

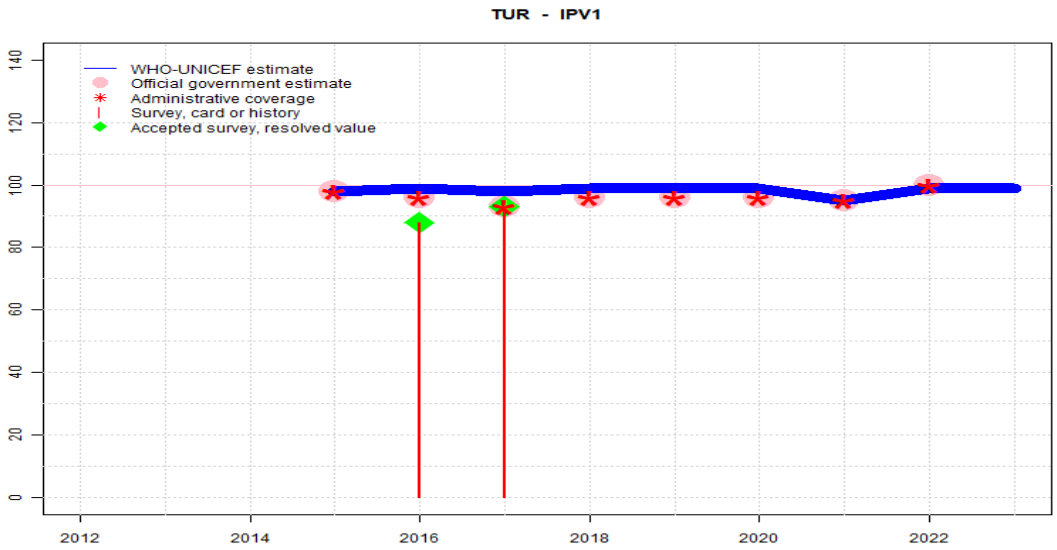
● There are no directly supporting data; or data from at least one source; [R-], [D-], [S-]; challenge the estimate.

In all cases these estimates should be used with caution and should be assessed in light of the objective for which they are being used.

Description:

2023: Estimate based on extrapolation from data reported by national government. No nationally representative household survey for the most recent 5 annual birth cohorts. WHO and UNICEF recommend a high quality survey to verify reported levels of coverage. GoC=No accepted empirical data
2022: Estimate informed by reported data. Reported denominator declining rapidly since 2016. Estimated coverage levels likely overestimate actual coverage in the country. GoC=R+ D+
2021: Estimate informed by reported data. GoC=R+ D+
2020: Estimate informed by reported data. GoC=R+ D+
2019: Estimate informed by reported data. GoC=R+ D+
2018: Estimate informed by reported data. GoC=R+ D+
2017: Estimate informed by reported data. GoC=R+ D+
2016: Estimate informed by reported administrative data. GoC=R+ D+
2015: Estimate informed by reported data. GoC=R+ D+
2014: Estimate informed by reported administrative data. GoC=R+ D+
2013: Estimate informed by reported data. GoC=R+ D+
2012: Estimate informed by reported data. GoC=R+ D+

Türkiye - IPV1



	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Estimate	NA	NA	NA	98	99	98	99	99	99	95	99	99
Estimate GoC	NA	NA	NA	•	•	•	•	•	•	••	••	•
Official	NA	NA	NA	98	96	93	96	96	96	95	100	NA
Administrative	NA	NA	NA	98	96	93	96	96	96	95	100	NA
Survey	NA	NA	NA	NA	88	93	NA	NA	NA	NA	NA	NA

The WHO and UNICEF estimates of national immunization coverage (wuenic) are based on data and information that are of varying, and, in some instances, unknown quality. Beginning with the 2011 revision we describe the grade of confidence (GoC) we have in these estimates. As there is no underlying probability model upon which the estimates are based, we are unable to present classical measures of uncertainty, e.g., confidence intervals. Moreover, we have chosen not to make subjective estimates of plausibility/certainty ranges around the coverage. The GoC reflects the degree of empirical support upon which the estimates are based. It is not a judgment of the quality of data reported by national authorities.

●●● Estimate is supported by reported data [R+], coverage recalculated with an independent denominator from the World Population Prospects: 2022 revision from the UN Population Division (D+), and at least one supporting survey within 2 years [S+]. While well supported, the estimate still carries a risk of being wrong.

●● Estimate is supported by at least one data source; [R+], [S+], or [D+]; and no data source, [R-], [D-], or [S-], challenges the estimate.

● There are no directly supporting data; or data from at least one source; [R-], [D-], [S-]; challenge the estimate.

In all cases these estimates should be used with caution and should be assessed in light of the objective for which they are being used.

Description:

Estimates for a dose of inactivated polio vaccine (IPV) begin in 2015 following the Global Polio Eradication Initiative's Polio Eradication and Endgame Strategic Plan: 2013-2018 which recommended at least one full dose or two fractional doses of IPV into routine immunization schedules as a strategy to mitigate the potential consequences should any re-emergence of type 2 poliovirus occur following the planned withdrawal of Sabin type 2 strains from oral polio vaccine (OPV).

2023: Estimate based on extrapolation from data reported by national government. No nationally representative household survey for the most recent 5 annual birth cohorts. WHO and UNICEF recommend a high quality survey to verify reported levels of coverage. GoC=No accepted empirical data

2022: Estimate informed by reported data. Reported denominator declining rapidly since 2016. Estimated coverage levels likely overestimate actual coverage in the country. GoC=R+ D+

2021: Estimate informed by reported data. GoC=R+ D+

2020: Estimate informed by estimated coverage for DTP1 based on vaccine presentation. Estimate challenged by: R-

2019: Estimate informed by estimated coverage for DTP1 based on vaccine presentation. Estimate challenged by: D-R-

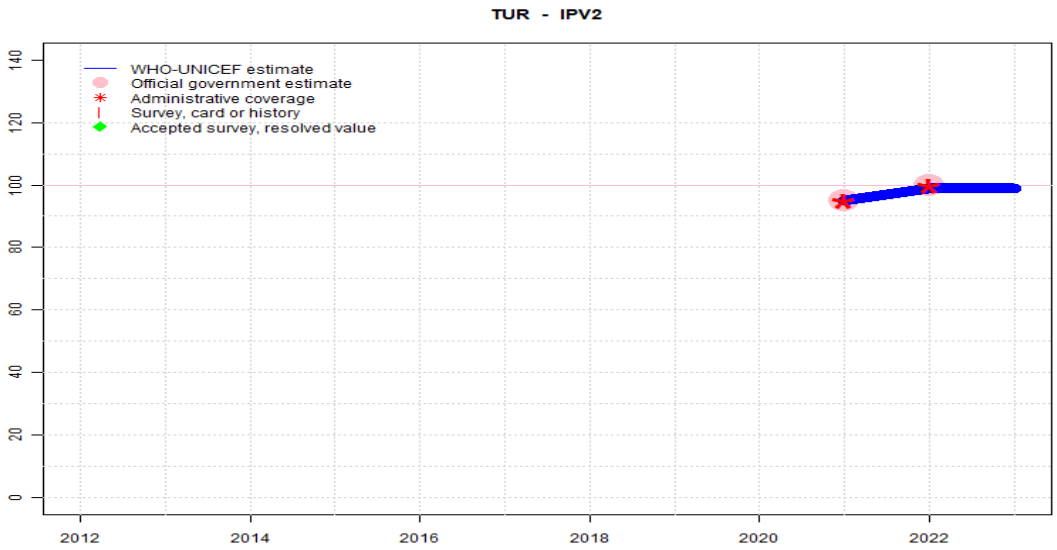
2018: Estimate informed by estimated coverage for DTP1 based on vaccine presentation. Estimate challenged by: D-R-S-

2017: Estimate informed by estimated coverage for DTP1 based on vaccine presentation. Estimate challenged by: D-R-

2016: Estimate informed by estimated coverage for DTP1 based on vaccine presentation. Estimate challenged by: R-S-

2015: IPV vaccine was introduced in sequential schedule as a combination of DTP-Hib-IPV vaccine in 2008.Estimate informed by DTP1 coverage. Estimate challenged by: R-

Türkiye - IPV2



	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Estimate	NA	NA	NA	NA	NA	NA	NA	NA	NA	95	99	99
Estimate GoC	NA	NA	NA	NA	NA	NA	NA	NA	NA	●●	●●	●
Official	NA	NA	NA	NA	NA	NA	NA	NA	NA	95	100	NA
Administrative	NA	NA	NA	NA	NA	NA	NA	NA	NA	95	100	NA
Survey	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

The WHO and UNICEF estimates of national immunization coverage (wuenic) are based on data and information that are of varying, and, in some instances, unknown quality. Beginning with the 2011 revision we describe the grade of confidence (GoC) we have in these estimates. As there is no underlying probability model upon which the estimates are based, we are unable to present classical measures of uncertainty, e.g., confidence intervals. Moreover, we have chosen not to make subjective estimates of plausibility/certainty ranges around the coverage. The GoC reflects the degree of empirical support upon which the estimates are based. It is not a judgment of the quality of data reported by national authorities.

●●● Estimate is supported by reported data [R+], coverage recalculated with an independent denominator from the World Population Prospects: 2022 revision from the UN Population Division (D+), and at least one supporting survey within 2 years [S+]. While well supported, the estimate still carries a risk of being wrong.

●● Estimate is supported by at least one data source; [R+], [S+], or [D+]; and no data source, [R-], [D-], or [S-], challenges the estimate.

● There are no directly supporting data; or data from at least one source; [R-], [D-], [S-]; challenge the estimate.

In all cases these estimates should be used with caution and should be assessed in light of the objective for which they are being used.

Description:

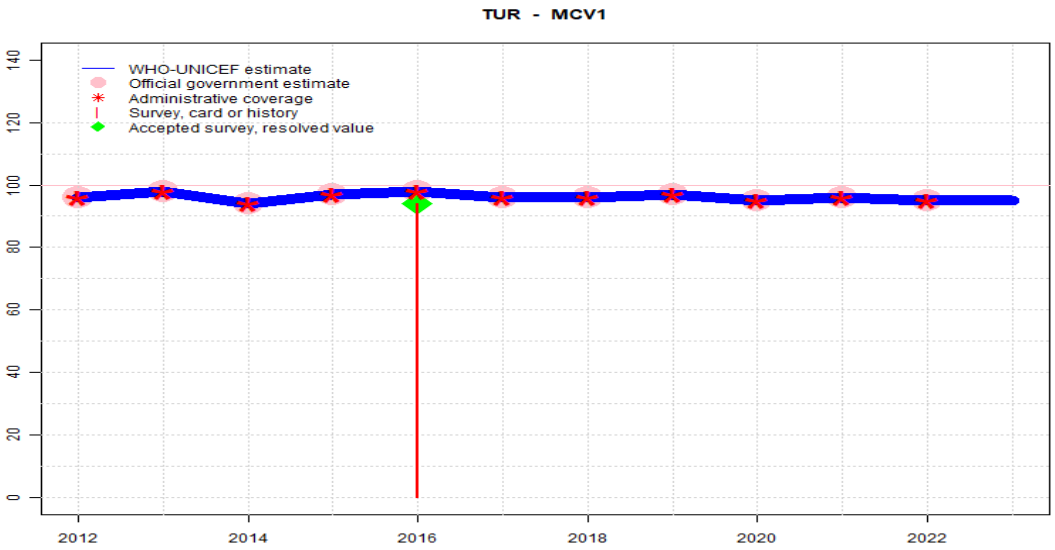
Estimates for a second dose of inactivated polio vaccine (IPV) begin in 2021 following a Strategic Advisory Group of Experts on Immunization (SAGE) recommendation in October 2020 that a second IPV dose increases protection against all polioviruses, including protection against paralysis caused by vaccine derived polio virus (type 2) (VDPV2). The addition of IPV2 is the next step towards complete OPV withdrawal. IPV2 coverage estimates produced for OPV using countries.

2023: Estimate informed by extrapolation from reported data. No nationally representative household survey for the most recent 5 annual birth cohorts. WHO and UNICEF recommend a high quality survey to verify reported levels of coverage. GoC=No accepted empirical data

2022: Estimate informed by reported data. Reported denominator declining rapidly since 2016. Estimated coverage levels likely overestimate actual coverage in the country. GoC=R+ D+

2021: Estimate informed by reported data. Second dose of inactivated polio vaccine introduced prior to 2021. GoC=R+ D+

Türkiye - MCV1



	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Estimate	96	98	94	97	98	96	96	97	95	96	95	95
Estimate GoC	●●	●●	●●●	●●●	●●●	●●●	●●●	●●	●●	●●	●●	●
Official	96	98	94	97	98	96	96	97	95	96	95	NA
Administrative	96	98	94	97	98	96	96	97	95	96	95	NA
Survey	NA	NA	NA	NA	94	NA	NA	NA	NA	NA	NA	NA

The WHO and UNICEF estimates of national immunization coverage (wuenic) are based on data and information that are of varying, and, in some instances, unknown quality. Beginning with the 2011 revision we describe the grade of confidence (GoC) we have in these estimates. As there is no underlying probability model upon which the estimates are based, we are unable to present classical measures of uncertainty, e.g., confidence intervals. Moreover, we have chosen not to make subjective estimates of plausibility/certainty ranges around the coverage. The GoC reflects the degree of empirical support upon which the estimates are based. It is not a judgment of the quality of data reported by national authorities.

●●● Estimate is supported by reported data [R+], coverage recalculated with an independent denominator from the World Population Prospects: 2022 revision from the UN Population Division (D+), and at least one supporting survey within 2 years [S+]. While well supported, the estimate still carries a risk of being wrong.

●● Estimate is supported by at least one data source; [R+], [S+], or [D+]; and no data source, [R-], [D-], or [S-], challenges the estimate.

● There are no directly supporting data; or data from at least one source; [R-], [D-], [S-]; challenge the estimate.

In all cases these estimates should be used with caution and should be assessed in light of the objective for which they are being used.

Description:

2023: Estimate based on extrapolation from data reported by national government. No nationally representative household survey for the most recent 5 annual birth cohorts. WHO and UNICEF recommend a high quality survey to verify reported levels of coverage. GoC=No accepted empirical data

2022: Estimate informed by reported data. Reported denominator declining rapidly since 2016. Estimated coverage levels likely overestimate actual coverage in the country. GoC=R+ D+

2021: Estimate informed by reported data. GoC=R+ D+

2020: Estimate informed by reported data. GoC=R+ D+

2019: Estimate informed by reported data. GoC=R+ D+

2018: Estimate informed by reported data. GoC=R+ S+ D+

2017: Estimate informed by reported data. GoC=R+ S+ D+

2016: Estimate informed by reported data supported by survey. Survey evidence of 94 percent based on 1 survey(s). GoC=R+ S+ D+

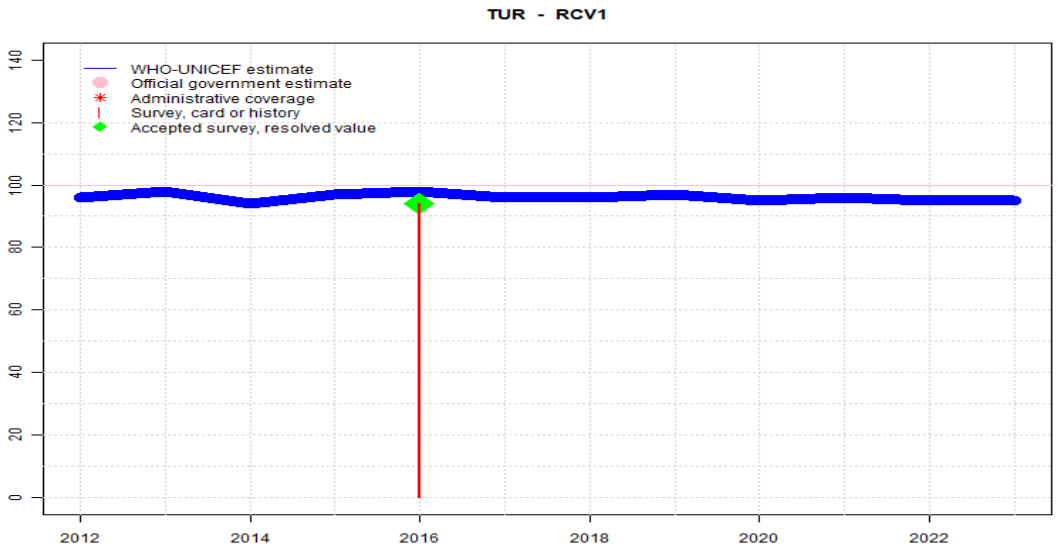
2015: Estimate informed by reported data. GoC=R+ S+ D+

2014: Estimate informed by reported data. GoC=R+ S+ D+

2013: Estimate informed by reported data. GoC=R+ D+

2012: Estimate informed by reported data. GoC=R+ D+

Türkiye - RCV1



	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Estimate	96	98	94	97	98	96	96	97	95	96	95	95
Estimate GoC	●●	●●	●●●	●●●	●●●	●●●	●●●	●●	●●	●●	●●	●
Official	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Administrative	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Survey	NA	NA	NA	NA	94	NA	NA	NA	NA	NA	NA	NA

The WHO and UNICEF estimates of national immunization coverage (wuenic) are based on data and information that are of varying, and, in some instances, unknown quality. Beginning with the 2011 revision we describe the grade of confidence (GoC) we have in these estimates. As there is no underlying probability model upon which the estimates are based, we are unable to present classical measures of uncertainty, e.g., confidence intervals. Moreover, we have chosen not to make subjective estimates of plausibility/certainty ranges around the coverage. The GoC reflects the degree of empirical support upon which the estimates are based. It is not a judgment of the quality of data reported by national authorities.

●●● Estimate is supported by reported data [R+], coverage recalculated with an independent denominator from the World Population Prospects: 2022 revision from the UN Population Division (D+), and at least one supporting survey within 2 years [S+]. While well supported, the estimate still carries a risk of being wrong.

●● Estimate is supported by at least one data source; [R+], [S+], or [D+]; and no data source, [R-], [D-], or [S-], challenges the estimate.

● There are no directly supporting data; or data from at least one source; [R-], [D-], [S-]; challenge the estimate.

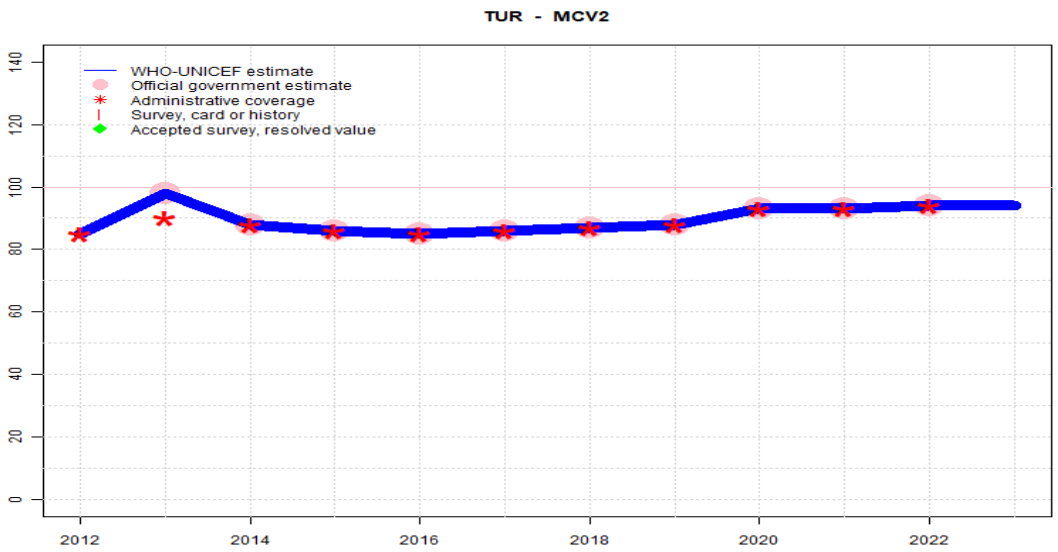
In all cases these estimates should be used with caution and should be assessed in light of the objective for which they are being used.

Description:

For this revision, coverage estimates for the first dose of rubella containing vaccine are based on WHO and UNICEF estimates of coverage of measles containing vaccine. Nationally reported coverage of rubella containing vaccine is not taken into consideration nor are they represented in the the accompanying graph and data table.

2023: Estimate based on estimated MCV1. No nationally representative household survey for the most recent 5 annual birth cohorts. WHO and UNICEF recommend a high quality survey to verify reported levels of coverage. GoC=No accepted empirical data
2022: Estimate based on estimated MCV1. Reported denominator declining rapidly since 2016. Estimated coverage levels likely overestimate actual coverage in the country. GoC=R+ D+
2021: Estimate based on estimated MCV1. GoC=R+ D+
2020: Estimate based on estimated MCV1. GoC=R+ D+
2019: Estimate based on estimated MCV1. GoC=R+ D+
2018: Estimate based on estimated MCV1. GoC=R+ S+ D+
2017: Estimate based on estimated MCV1. GoC=R+ S+ D+
2016: Estimate based on estimated MCV1. GoC=R+ S+ D+
2015: Estimate based on estimated MCV1. GoC=R+ S+ D+
2014: Estimate based on estimated MCV1. GoC=R+ S+ D+
2013: Estimate based on estimated MCV1. GoC=R+ D+
2012: Estimate based on estimated MCV1. GoC=R+ D+

Türkiye - MCV2



	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Estimate	85	98	88	86	85	86	87	88	93	93	94	94
Estimate GoC	●●	●	●●	●●	●●	●●	●●	●●	●	●	●	●
Official	NA	98	88	86	85	86	87	88	93	93	94	NA
Administrative	85	90	88	86	85	86	87	88	93	93	94	NA
Survey	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

The WHO and UNICEF estimates of national immunization coverage (wuenic) are based on data and information that are of varying, and, in some instances, unknown quality. Beginning with the 2011 revision we describe the grade of confidence (GoC) we have in these estimates. As there is no underlying probability model upon which the estimates are based, we are unable to present classical measures of uncertainty, e.g., confidence intervals. Moreover, we have chosen not to make subjective estimates of plausibility/certainty ranges around the coverage. The GoC reflects the degree of empirical support upon which the estimates are based. It is not a judgment of the quality of data reported by national authorities.

●●● Estimate is supported by reported data [R+], coverage recalculated with an independent denominator from the World Population Prospects: 2022 revision from the UN Population Division (D+), and at least one supporting survey within 2 years [S+]. While well supported, the estimate still carries a risk of being wrong.

●● Estimate is supported by at least one data source; [R+], [S+], or [D+]; and no data source, [R-], [D-], or [S-], challenges the estimate.

● There are no directly supporting data; or data from at least one source; [R-], [D-], [S-]; challenge the estimate.

In all cases these estimates should be used with caution and should be assessed in light of the objective for which they are being used.

Description:

Coverage estimates for the second dose of measles containing vaccine are for children by the nationally recommended age.

2023: Estimate informed by extrapolation from reported data. No nationally representative household survey for the most recent 5 annual birth cohorts. WHO and UNICEF recommend a high quality survey to verify reported levels of coverage. GoC=No accepted empirical data
2022: Estimate informed by reported data. Reported denominator declining rapidly since 2016. Estimated coverage levels likely overestimate actual coverage in the country. Estimate challenged by: D-
2021: Estimate informed by reported data. Estimate challenged by: D-
2020: Estimate informed by reported data. Since July 2020 the second dose of MMR is recommended at 48 months, before it was recommended at 6 years of age. Estimate challenged by: D-
2019: Estimate informed by reported data. GoC=R+ D+
2018: Estimate informed by reported data. GoC=R+ D+
2017: Estimate informed by reported data. GoC=R+ D+
2016: Estimate informed by reported data. GoC=R+ D+
2015: Estimate informed by reported data. GoC=R+ D+
2014: Estimate informed by reported data. GoC=R+ D+
2013: Estimate informed by reported data. Estimate challenged by: D-
2012: Estimate informed by reported administrative data. GoC=R+ D+

Türkiye - survey details

NOTE: A survey to measure vaccination coverage for infants (i.e., children aged 0-11 months) will sample children aged 12-23 months at the time of survey to capture the youngest annual cohort of children who should have completed the vaccination schedule. Because WUENIC are for infant vaccinations, survey data in this report are presented to reflect the birth year of the youngest survey cohort. For example, results for a survey conducted during December 2020 among children aged 12-23 months at the time of the survey reflect the immunization experience of children born in 2019. Depending on the timing of survey field work, results may reflect the immunization experience of children born and vaccinated 1 or 2 years prior to the survey field work.

2017 Turkey Demographic and Health Survey 2018

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Cards seen
BCG	C or H <12 months	90.6	12-23 m	451	69
BCG	Card	65.5	12-23 m	313	69
BCG	Card or History	92.6	12-23 m	451	69
BCG	History	27.1	12-23 m	138	69
DTP1	C or H <12 months	91.9	12-23 m	451	69
DTP1	Card	68.7	12-23 m	313	69
DTP1	Card or History	93	12-23 m	451	69
DTP1	History	24.3	12-23 m	138	69
DTP3	C or H <12 months	76.1	12-23 m	451	69
DTP3	Card	65	12-23 m	313	69
DTP3	Card or History	78.8	12-23 m	451	69
DTP3	History	13.8	12-23 m	138	69
HepB1	C or H <12 months	95.5	12-23 m	451	69
HepB1	Card	69.2	12-23 m	313	69
HepB1	Card or History	96.4	12-23 m	451	69
HepB1	History	27.2	12-23 m	138	69
HepB3	C or H <12 months	79.5	12-23 m	451	69
HepB3	Card	66.2	12-23 m	313	69
HepB3	Card or History	80.8	12-23 m	451	69
HepB3	History	14.6	12-23 m	138	69
Hib1	C or H <12 months	91.9	12-23 m	451	69
Hib1	Card	68.7	12-23 m	313	69
Hib1	Card or History	93	12-23 m	451	69
Hib1	History	24.3	12-23 m	138	69
Hib3	C or H <12 months	76.1	12-23 m	451	69
Hib3	Card	65	12-23 m	313	69
Hib3	Card or History	78.8	12-23 m	451	69
Hib3	History	13.8	12-23 m	138	69
IPV1	C or H <12 months	91.9	12-23 m	451	69
IPV1	Card	68.7	12-23 m	313	69
IPV1	Card or History	93	12-23 m	451	69
IPV1	History	24.3	12-23 m	138	69
PcV1	C or H <12 months	90.1	12-23 m	451	69
PcV1	Card	68.2	12-23 m	313	69
PcV1	Card or History	91.2	12-23 m	451	69
PcV1	History	23	12-23 m	138	69
PcV3	C or H <12 months	71	12-23 m	451	69
PcV3	Card	64.9	12-23 m	313	69
PcV3	Card or History	75.1	12-23 m	451	69
PcV3	History	10.2	12-23 m	138	69
Pol1	C or H <12 months	87.2	12-23 m	451	69
Pol1	Card	66.8	12-23 m	313	69
Pol1	Card or History	89.7	12-23 m	451	69
Pol1	History	22.9	12-23 m	138	69

2016 Turkey Demographic and Health Survey 2018

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Cards seen
BCG	C or H <12 months	91.3	24-35 m	495	-
BCG	Card	52.6	24-35 m	263	-
BCG	Card or History	94.2	24-35 m	495	-
BCG	History	41.6	24-35 m	231	-
DTP1	C or H <12 months	86	24-35 m	495	-
DTP1	Card	52.9	24-35 m	263	-
DTP1	Card or History	88.4	24-35 m	495	-
DTP1	History	35.5	24-35 m	231	-
DTP3	C or H <12 months	67.5	24-35 m	495	-
DTP3	Card	51.5	24-35 m	263	-
DTP3	Card or History	72.7	24-35 m	495	-
DTP3	History	21.3	24-35 m	231	-
HepB1	C or H <12 months	94.4	24-35 m	495	-
HepB1	Card	53.3	24-35 m	263	-
HepB1	Card or History	95.4	24-35 m	495	-

HepB1	History	42.2	24-35 m	231	-
HepB3	C or H <12 months	73.9	24-35 m	495	-
HepB3	Card	51.5	24-35 m	263	-
HepB3	Card or History	77.1	24-35 m	495	-
HepB3	History	25.6	24-35 m	231	-
Hib1	C or H <12 months	86	24-35 m	495	-
Hib1	Card	52.9	24-35 m	263	-
Hib1	Card or History	88.4	24-35 m	495	-
Hib1	History	35.5	24-35 m	231	-
Hib3	C or H <12 months	67.5	24-35 m	495	-
Hib3	Card	51.5	24-35 m	263	-
Hib3	Card or History	72.7	24-35 m	495	-
Hib3	History	21.3	24-35 m	231	-
IPV1	C or H <12 months	86	24-35 m	495	-
IPV1	Card	52.9	24-35 m	263	-
IPV1	Card or History	88.4	24-35 m	495	-
IPV1	History	35.5	24-35 m	231	-
MCV1	C or H <12 months	92.7	24-35 m	495	-
MCV1	Card	52.1	24-35 m	263	-
MCV1	Card or History	94.3	24-35 m	495	-
MCV1	History	42.2	24-35 m	231	-
PcV1	C or H <12 months	86.5	24-35 m	495	-
PcV1	Card	52.1	24-35 m	263	-
PcV1	Card or History	89.4	24-35 m	495	-
PcV1	History	37.2	24-35 m	231	-
PcV3	C or H <12 months	59.4	24-35 m	495	-
PcV3	Card	50.8	24-35 m	263	-
PcV3	Card or History	65.6	24-35 m	495	-
PcV3	History	14.9	24-35 m	231	-
Pol1	C or H <12 months	78.1	24-35 m	495	-
Pol1	Card	52.2	24-35 m	263	-
Pol1	Card or History	87.4	24-35 m	495	-
Pol1	History	35.2	24-35 m	231	-

2007 Turkey Demographic and Health Survey 2008

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Cards seen
BCG	C or H <15 months	95.7	15-26 m	711	73
BCG	Card	71.3	15-26 m	711	73
BCG	Card or History	95.9	15-26 m	711	73
BCG	History	24.6	15-26 m	711	73
DTP1	C or H <15 months	96.5	15-26 m	711	73
DTP1	Card	72.3	15-26 m	711	73
DTP1	Card or History	97.2	15-26 m	711	73
DTP1	History	24.9	15-26 m	711	73
DTP3	C or H <15 months	85.3	15-26 m	711	73
DTP3	Card	70.8	15-26 m	711	73
DTP3	Card or History	89.3	15-26 m	711	73
DTP3	History	18.5	15-26 m	711	73
HepB1	C or H <15 months	96.4	15-26 m	711	73
HepB1	Card	72.1	15-26 m	711	73
HepB1	Card or History	96.5	15-26 m	711	73
HepB1	History	24.3	15-26 m	711	73
HepB3	C or H <15 months	83.9	15-26 m	711	73
HepB3	Card	70	15-26 m	711	73
HepB3	Card or History	85.9	15-26 m	711	73
HepB3	History	15.9	15-26 m	711	73
MCV1	C or H <15 months	85.9	15-26 m	711	73
MCV1	Card	65.9	15-26 m	711	73
MCV1	Card or History	89.3	15-26 m	711	73
MCV1	History	23.3	15-26 m	711	73
Pol1	C or H <15 months	96.1	15-26 m	711	73
Pol1	Card	71.9	15-26 m	711	73
Pol1	Card or History	96.8	15-26 m	711	73
Pol1	History	24.8	15-26 m	711	73
Pol3	C or H <15 months	85.3	15-26 m	711	73
Pol3	Card	69.7	15-26 m	711	73
Pol3	Card or History	88.8	15-26 m	711	73
Pol3	History	19.1	15-26 m	711	73

2003 Turkey Demographic and Health Survey 2003

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Cards seen
BCG	C or H <12 months	86.2	12-23 m	749	54
BCG	Card	51.5	12-23 m	749	54
BCG	Card or history	87.7	12-23 m	749	54
BCG	History	36.2	12-23 m	749	54
DTP1	C or H <12 months	86.9	12-23 m	749	54

DTP1	Card	51.9	12-23 m	749	54
DTP1	Card or history	88.5	12-23 m	749	54
DTP1	History	36.6	12-23 m	749	54
DTP3	C or H <12 months	62.2	12-23 m	749	54
DTP3	Card	48.5	12-23 m	749	54
DTP3	Card or history	64.4	12-23 m	749	54
DTP3	History	15.9	12-23 m	749	54
MCV1	C or H <12 months	71.2	12-23 m	749	54
MCV1	Card	48.9	12-23 m	749	54
MCV1	Card or history	79.4	12-23 m	749	54
MCV1	History	30.5	12-23 m	749	54
Pol1	C or H <12 months	92.5	12-23 m	749	54
Pol1	Card	52.2	12-23 m	749	54
Pol1	Card or history	94.7	12-23 m	749	54
Pol1	History	42.5	12-23 m	749	54
Pol3	C or H <12 months	66.5	12-23 m	749	54
Pol3	Card	48.4	12-23 m	749	54
Pol3	Card or history	69.1	12-23 m	749	54
Pol3	History	20.7	12-23 m	749	54

1997 Turkish Demographic and Health Survey 1998, 1999

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Cards seen
BCG	C or H <12 months	87.4	12-23 m	689	38
BCG	Card	36	12-23 m	266	38
BCG	Card or History	88.5	12-23 m	689	38
BCG	History	52.5	12-23 m	424	38
DTP1	C or H <12 months	85.5	12-23 m	689	38
DTP1	Card	38	12-23 m	266	38
DTP1	Card or History	86.9	12-23 m	689	38
DTP1	History	48.9	12-23 m	424	38
DTP3	C or H <12 months	55.8	12-23 m	689	38
DTP3	Card	34.5	12-23 m	266	38
DTP3	Card or History	58.7	12-23 m	689	38
DTP3	History	24.1	12-23 m	424	38
MCV1	C or H <12 months	70.9	12-23 m	689	38
MCV1	Card	33.3	12-23 m	266	38
MCV1	Card or History	78.5	12-23 m	689	38
MCV1	History	45.2	12-23 m	424	38
Pol1	C or H <12 months	92.4	12-23 m	689	38
Pol1	Card	38.3	12-23 m	266	38
Pol1	Card or History	94	12-23 m	689	38
Pol1	History	55.8	12-23 m	424	38
Pol3	C or H <12 months	60.8	12-23 m	689	38
Pol3	Card	35.6	12-23 m	266	38
Pol3	Card or History	64.4	12-23 m	689	38
Pol3	History	28.8	12-23 m	424	38

Türkiye - survey details

Further information and estimates for previous years are available at:
https://data.unicef.org/topic/child-health/immunization/
https://immunizationdata.who.int/listing.html