

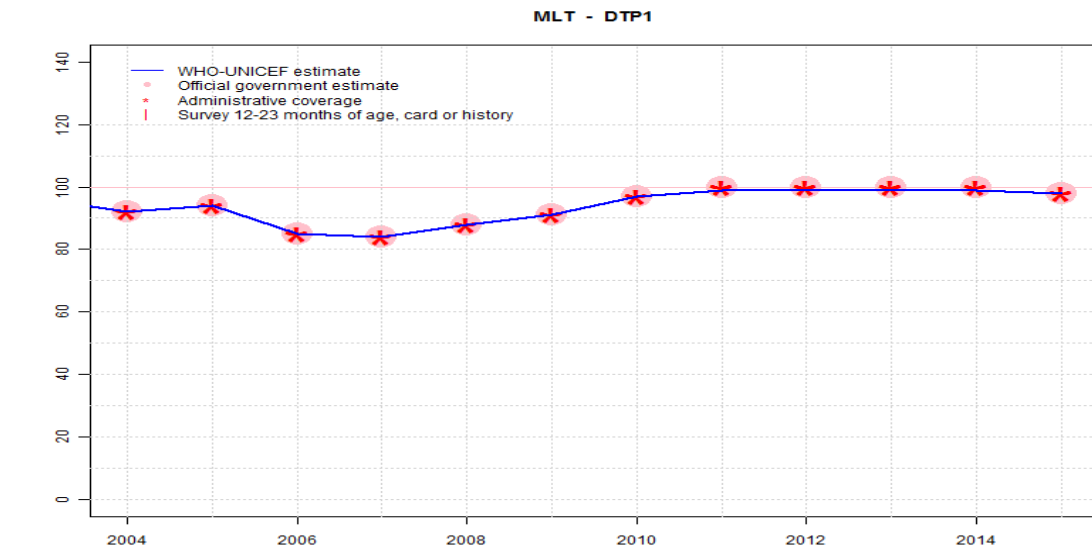
	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Estimate	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Estimate GoC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Official	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Administrative	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Survey	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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: 2015 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.

Malta - DTP1



	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Estimate	92	94	85	84	88	91	97	99	99	99	99	98
Estimate GoC	•	••	••	••	•	•	•	•	•	•	••	•
Official	92	94	85	84	88	91	97	100	100	100	100	98
Administrative	92	94	85	84	88	91	97	100	100	100	100	98
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: 2015 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.

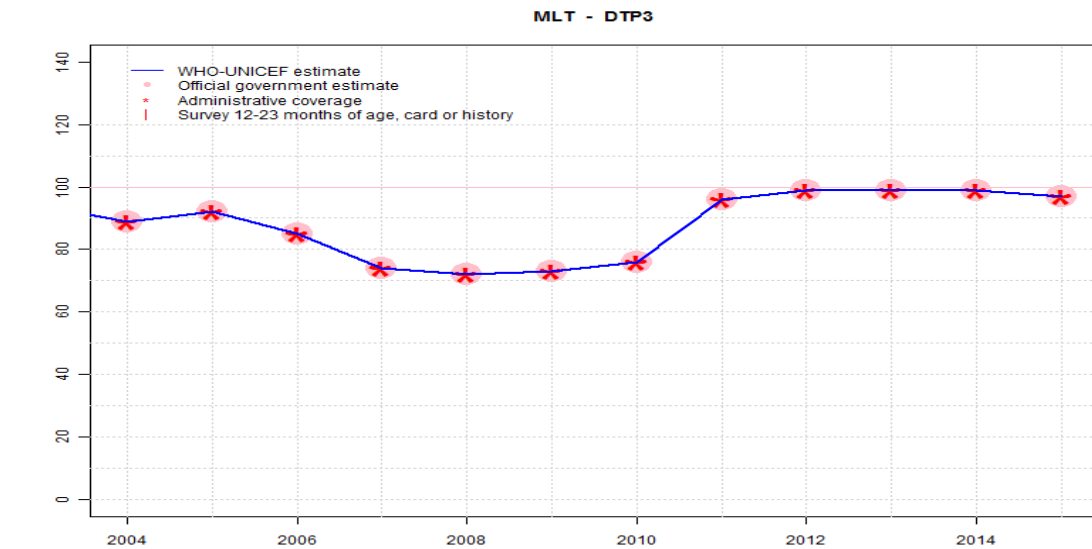
Description:

- 2004: Estimate based on coverage reported by national government. Reported data may under-represent immunization due to incomplete reporting by private care providers. Declines in 2004-2008 may be attributable to the failure to recall apparent defaulters during the installation of new database systems. Estimate challenged by: D-
- 2005: Estimate based on coverage reported by national government. Reported data may under-represent immunization due to incomplete reporting by private care providers. Declines in 2004-2008 may be attributable to the failure to recall apparent defaulters during the installation of new database systems. GoC=R+ D+
- 2006: Estimate based on coverage reported by national government. Reported data may under-represent immunization due to incomplete reporting by private care providers. Declines in 2004-2008 may be attributable to the failure to recall apparent defaulters during the installation of new database systems. GoC=R+ D+
- 2007: Estimate based on coverage reported by national government. Reported data may under-represent immunization due to incomplete reporting by private care providers. Declines in 2004-2008 may be attributable to the failure to recall apparent defaulters during the installation of new database systems. GoC=R+ D+
- 2008: Estimate based on coverage reported by national government. Reported data may under-represent immunization due to incomplete reporting by private care providers. Declines in 2004-2008 may be attributable to the failure to recall apparent defaulters during the installation of new database systems. Estimate challenged by: D-
- 2009: Estimate based on coverage reported by national government. Reported data may under-represent immunization due to incomplete reporting by private care providers. Estimate challenged by: D-
- 2010: Estimate based on coverage reported by national government. Reported data may under-represent immunization due to incomplete reporting by private care providers. Estimate challenged by: D-
- 2011: Estimate based on coverage reported by national government. . Estimate challenged by: D-
- 2012: Estimate based on coverage reported by national government. Estimate challenged by: D-
- 2013: Estimate based on coverage reported by national government. Estimate challenged by: D-
- 2014: Estimate based on coverage reported by national government. GoC=R+ D+
- 2015: Estimate based on coverage reported by national government. No nationally representative household survey within the last 5 years. WHO and

Malta - DTP1

UNICEF recommend a high-quality survey to confirm reported levels of coverage. Estimate challenged by: D-

Malta - DTP3



	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Estimate	89	92	85	74	72	73	76	96	99	99	99	97
Estimate GoC	•	••	••	••	••	•	•	•	•	•	••	•
Official	89	92	85	74	72	73	76	96	99	99	99	97
Administrative	89	92	85	74	72	73	76	96	99	99	99	97
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: 2015 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.

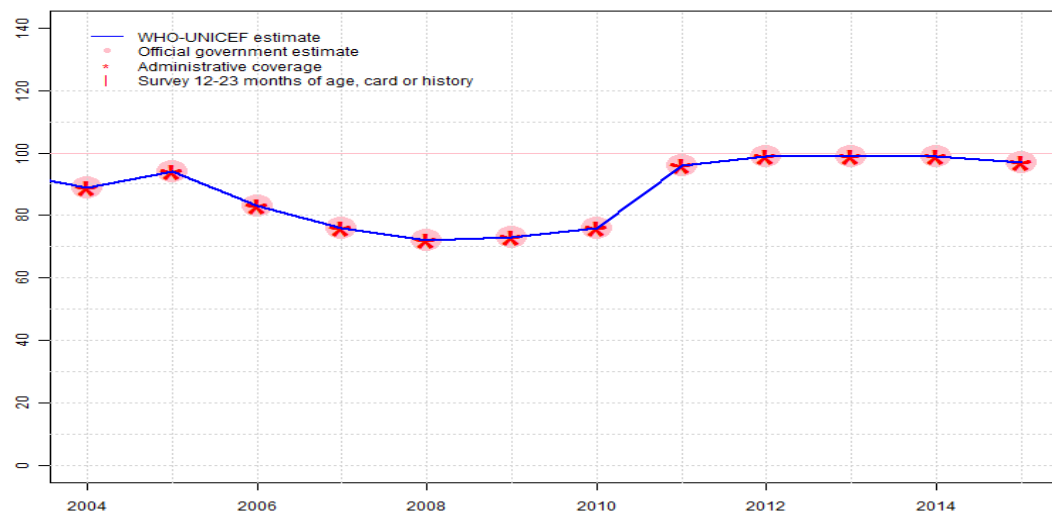
Description:

- 2004: Estimate based on coverage reported by national government. Reported data may under-represent immunization due to incomplete reporting by private care providers. Declines in 2004-2008 may be attributable to the failure to recall apparent defaulters during the installation of new database systems. Estimate challenged by: D-
- 2005: Estimate based on coverage reported by national government. Reported data may under-represent immunization due to incomplete reporting by private care providers. Declines in 2004-2008 may be attributable to the failure to recall apparent defaulters during the installation of new database systems. GoC=R+ D+
- 2006: Estimate based on coverage reported by national government. Reported data may under-represent immunization due to incomplete reporting by private care providers. Declines in 2004-2008 may be attributable to the failure to recall apparent defaulters during the installation of new database systems. GoC=R+ D+
- 2007: Estimate based on coverage reported by national government. Reported data may under-represent immunization due to incomplete reporting by private care providers. Declines in 2004-2008 may be attributable to the failure to recall apparent defaulters during the installation of new database systems. GoC=R+ D+
- 2008: Estimate based on coverage reported by national government. Reported data may under-represent immunization due to incomplete reporting by private care providers. Declines in 2004-2008 may be attributable to the failure to recall apparent defaulters during the installation of new database systems. GoC=R+ D+
- 2009: Estimate based on coverage reported by national government. Reported data may under-represent immunization due to incomplete reporting by private care providers. Estimate challenged by: D-
- 2010: Estimate based on coverage reported by national government. Reported data may under-represent immunization due to incomplete reporting by private care providers. Estimate challenged by: D-
- 2011: Estimate based on coverage reported by national government. . Estimate challenged by: D-
- 2012: Estimate based on coverage reported by national government. Estimate challenged by: D-
- 2013: Estimate based on coverage reported by national government. Estimate challenged by: D-
- 2014: Estimate based on coverage reported by national government. GoC=R+ D+
- 2015: Estimate based on coverage reported by national government. No nationally representative household survey within the last 5 years. WHO and

Malta - DTP3

UNICEF recommend a high-quality survey to confirm reported levels of coverage. Estimate challenged by: D-

MLT - Pol3



	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Estimate	89	94	83	76	72	73	76	96	99	99	99	97
Estimate GoC	•	••	••	••	••	•	•	•	•	•	••	•
Official	89	94	83	76	72	73	76	96	99	99	99	97
Administrative	89	94	83	76	72	73	76	96	99	99	99	97
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: 2015 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.

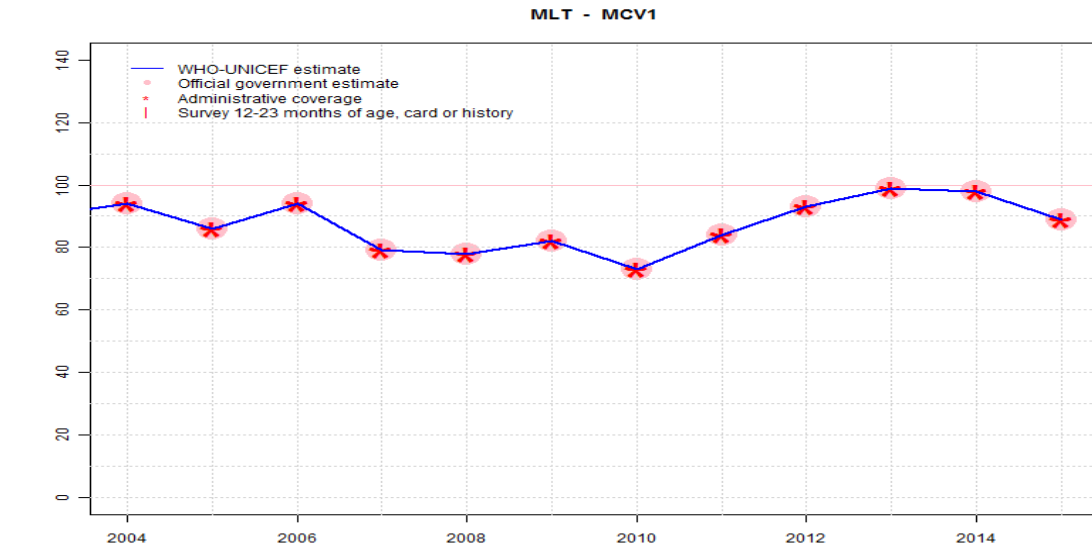
In all cases these estimates should be used with caution and should be assessed in light of the objective for which they are being used.

Description:

- 2004: Estimate based on coverage reported by national government. Reported data may under-represent immunization due to incomplete reporting by private care providers. Declines in 2004-2008 may be attributable to the failure to recall apparent defaulters during the installation of new database systems. Estimate challenged by: D-
- 2005: Estimate based on coverage reported by national government. Reported data may under-represent immunization due to incomplete reporting by private care providers. Declines in 2004-2008 may be attributable to the failure to recall apparent defaulters during the installation of new database systems. GoC=R+ D+
- 2006: Estimate based on coverage reported by national government. Reported data may under-represent immunization due to incomplete reporting by private care providers. Declines in 2004-2008 may be attributable to the failure to recall apparent defaulters during the installation of new database systems. GoC=R+ D+
- 2007: Estimate based on coverage reported by national government. Reported data may under-represent immunization due to incomplete reporting by private care providers. Declines in 2004-2008 may be attributable to the failure to recall apparent defaulters during the installation of new database systems. GoC=R+ D+
- 2008: Estimate based on coverage reported by national government. Reported data may under-represent immunization due to incomplete reporting by private care providers. Declines in 2004-2008 may be attributable to the failure to recall apparent defaulters during the installation of new database systems. GoC=R+ D+
- 2009: Estimate based on coverage reported by national government. Reported data may under-represent immunization due to incomplete reporting by private care providers. Estimate challenged by: D-
- 2010: Estimate based on coverage reported by national government. Reported data may under-represent immunization due to incomplete reporting by private care providers. Estimate challenged by: D-
- 2011: Estimate based on coverage reported by national government. . Estimate challenged by: D-
- 2012: Estimate based on coverage reported by national government. Estimate challenged by: D-
- 2013: Estimate based on coverage reported by national government. Estimate challenged by: D-
- 2014: Estimate based on coverage reported by national government. GoC=R+ D+
- 2015: Estimate based on coverage reported by national government. No nationally representative household survey within the last 5 years. WHO and

Malta - Pol3

UNICEF recommend a high-quality survey to confirm reported levels of coverage. Estimate challenged by: D-



	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Estimate	94	86	94	79	78	82	73	84	93	99	98	89
Estimate GoC	••	••	••	••	••	••	•	•	•	•	•	••
Official	94	86	94	79	78	82	73	84	93	99	98	89
Administrative	94	86	94	79	78	82	73	84	93	99	98	89
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: 2015 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.

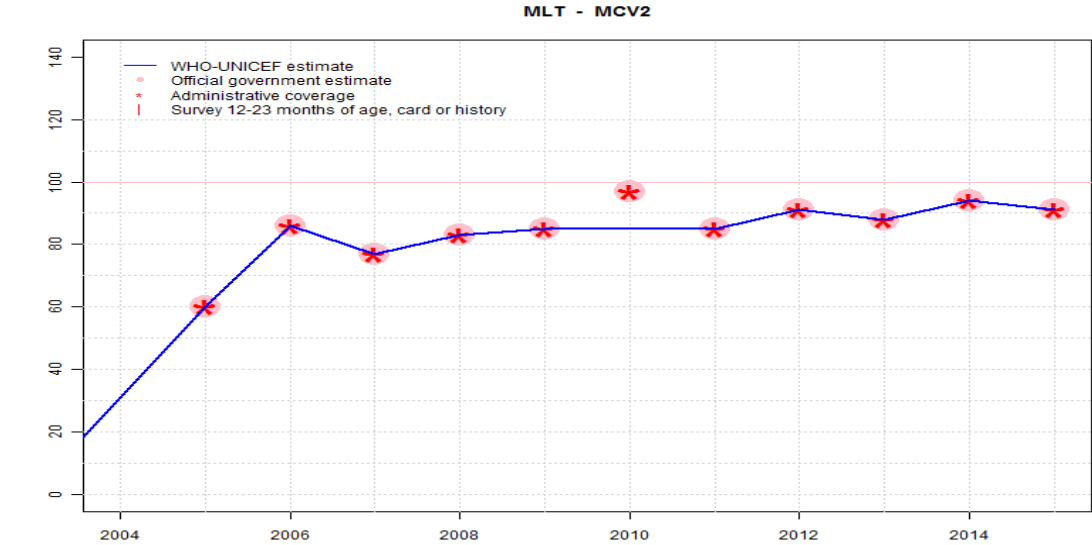
In all cases these estimates should be used with caution and should be assessed in light of the objective for which they are being used.

Description:

- 2004: Estimate based on coverage reported by national government. Reported data may under-represent immunization due to incomplete reporting by private care providers. Declines in 2004-2008 may be attributable to the failure to recall apparent defaulters during the installation of new database systems. GoC=R+
- 2005: Estimate based on coverage reported by national government. Reported data may under-represent immunization due to incomplete reporting by private care providers. Declines in 2004-2008 may be attributable to the failure to recall apparent defaulters during the installation of new database systems. GoC=R+ D+
- 2006: Estimate based on coverage reported by national government. Reported data may under-represent immunization due to incomplete reporting by private care providers. Declines in 2004-2008 may be attributable to the failure to recall apparent defaulters during the installation of new database systems. GoC=R+ D+
- 2007: Estimate based on coverage reported by national government. Reported data may under-represent immunization due to incomplete reporting by private care providers. Declines in 2004-2008 may be attributable to the failure to recall apparent defaulters during the installation of new database systems. GoC=R+ D+
- 2008: Estimate based on coverage reported by national government. Reported data may under-represent immunization due to incomplete reporting by private care providers. Declines in 2004-2008 may be attributable to the failure to recall apparent defaulters during the installation of new database systems. GoC=R+ D+
- 2009: Estimate based on coverage reported by national government. Reported data may under-represent immunization due to incomplete reporting by private care providers. GoC=R+ D+
- 2010: Estimate based on coverage reported by national government. Reported data may under-represent immunization due to incomplete reporting by private care providers. Estimate challenged by: D-
- 2011: Estimate based on coverage reported by national government. . Estimate challenged by: D-
- 2012: Estimate based on coverage reported by national government. Estimate challenged by: D-
- 2013: Estimate based on coverage reported by national government. Estimate challenged by: D-
- 2014: Estimate based on coverage reported by national government. Estimate challenged by: D-
- 2015: Estimate based on coverage reported by national government. No nationally representative household survey within the last 5 years. WHO and

Malta - MCV1

UNICEF recommend a high-quality survey to confirm reported levels of coverage. GoC=R+ D+



	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Estimate	31	60	86	77	83	85	85	85	91	88	94	91
Estimate GoC	•	•	•	•	•	•	•	•	•	•	•	•
Official	NA	60	86	77	83	85	97	85	91	88	94	91
Administrative	NA	60	86	77	83	85	97	85	91	88	94	91
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: 2015 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:

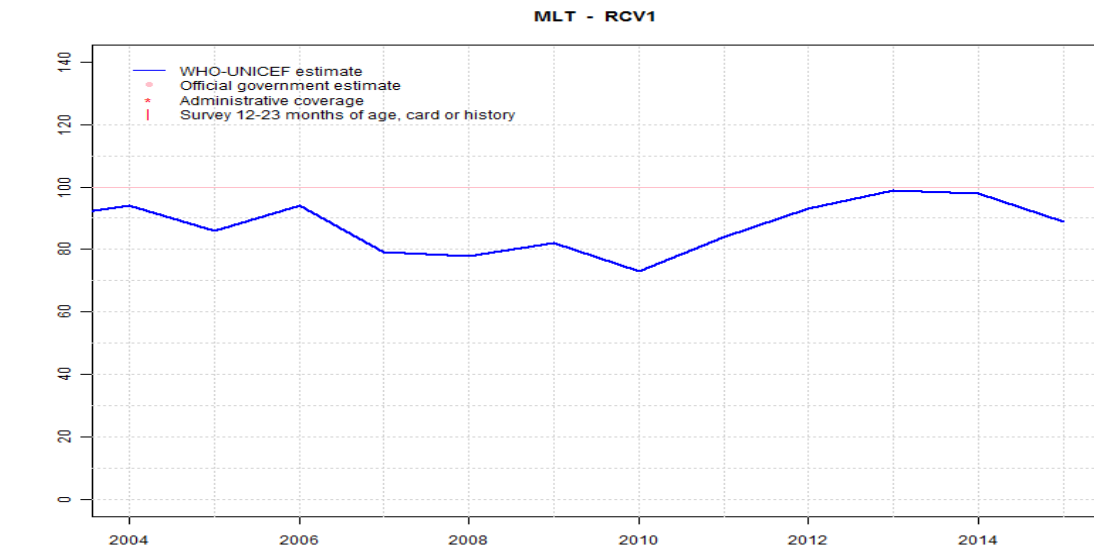
Coverage estimates for the second dose of measles containing vaccine are for children by the nationally recommended age.

- 2004: Estimate based on interpolation between reported values. Reported data may under-represent immunization due to incomplete reporting by private care providers. Declines in 2004-2008 may be attributable to the failure to recall apparent defaulters during the installation of new database systems. GoC=No accepted empirical data
- 2005: Estimate based on coverage reported by national government. Reported data may under-represent immunization due to incomplete reporting by private care providers. Declines in 2004-2008 may be attributable to the failure to recall apparent defaulters during the installation of new database systems. Estimate challenged by: D-
- 2006: Estimate based on coverage reported by national government. Reported data may under-represent immunization due to incomplete reporting by private care providers. Declines in 2004-2008 may be attributable to the failure to recall apparent defaulters during the installation of new database systems. Estimate challenged by: D-
- 2007: Estimate based on coverage reported by national government. Reported data may under-represent immunization due to incomplete reporting by private care providers. Declines in 2004-2008 may be attributable to the failure to recall apparent defaulters during the installation of new database systems. Estimate challenged by: D-
- 2008: Estimate based on coverage reported by national government. Reported data may under-represent immunization due to incomplete reporting by private care providers. Declines in 2004-2008 may be attributable to the failure to recall apparent defaulters during the installation of new database systems. Estimate challenged by: D-
- 2009: Estimate based on coverage reported by national government. Reported data may under-represent immunization due to incomplete reporting by private care providers. Estimate challenged by: D-
- 2010: Estimate based on interpolation between reported values. Reported data excluded. Unexplained increase from 85 percent to 97 percent with decrease 85 percent. Reported data may under-represent immunization due to incomplete reporting by private care providers. Estimate challenged by: D-
- 2011: Estimate based on coverage reported by national government. . Estimate challenged by: D-
- 2012: Estimate based on coverage reported by national government. Estimate challenged by: D-
- 2013: Estimate based on coverage reported by national government. Estimate

challenged by: D-

2014: Estimate based on coverage reported by national government. Estimate challenged by: D-

2015: Estimate based on coverage reported by national government. No nationally representative household survey within the last 5 years. WHO and UNICEF recommend a high-quality survey to confirm reported levels of coverage. Estimate challenged by: D-



	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Estimate	94	86	94	79	78	82	73	84	93	99	98	89
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	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.

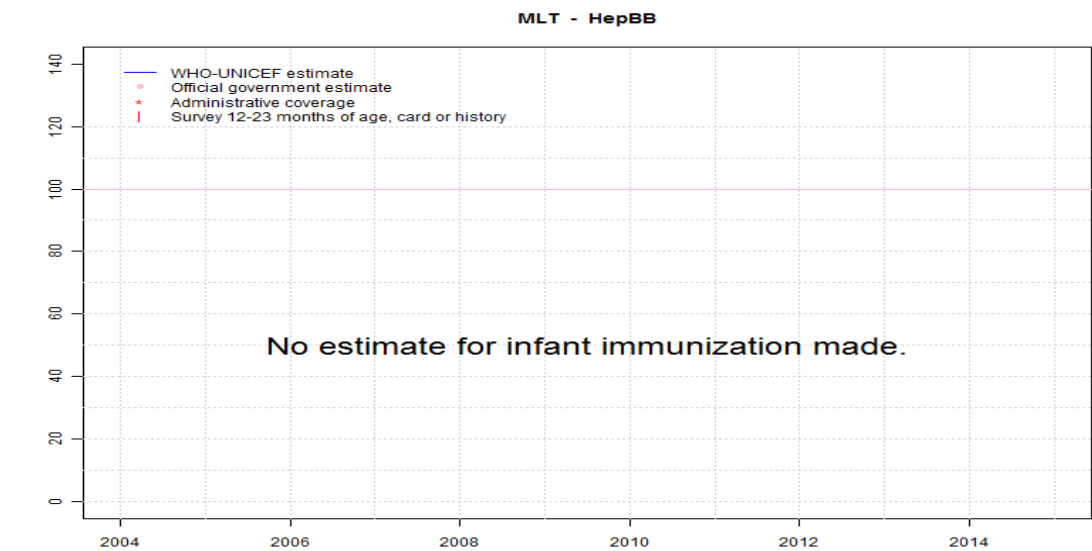
- Estimate is supported by reported data [R+], coverage recalculated with an independent denominator from the World Population Prospects: 2015 revision from the UN Population Division (D+), and at least one supporting survey within 2 years [S+]. While well supported, the estimate still carries a risk 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 accompanying graph and data table.

- 2004: Estimate based on estimated MCV1. Reported data may under-represent immunization due to incomplete reporting by private care providers. Declines in 2004-2008 may be attributable to the failure to recall apparent defaulters during the installation of new database systems. GoC=R+
- 2005: Estimate based on estimated MCV1. Reported data may under-represent immunization due to incomplete reporting by private care providers. Declines in 2004-2008 may be attributable to the failure to recall apparent defaulters during the installation of new database systems. GoC=R+ D+
- 2006: Estimate based on estimated MCV1. Reported data may under-represent immunization due to incomplete reporting by private care providers. Declines in 2004-2008 may be attributable to the failure to recall apparent defaulters during the installation of new database systems. GoC=R+ D+
- 2007: Estimate based on estimated MCV1. Reported data may under-represent immunization due to incomplete reporting by private care providers. Declines in 2004-2008 may be attributable to the failure to recall apparent defaulters during the installation of new database systems. GoC=R+ D+
- 2008: Estimate based on estimated MCV1. Reported data may under-represent immunization due to incomplete reporting by private care providers. Declines in 2004-2008 may be attributable to the failure to recall apparent defaulters during the installation of new database systems. GoC=R+ D+
- 2009: Estimate based on estimated MCV1. Reported data may under-represent immunization due to incomplete reporting by private care providers. GoC=R+ D+
- 2010: Estimate based on estimated MCV1. Reported data may under-represent immunization due to incomplete reporting by private care providers. Estimate challenged by: D-
- 2011: Estimate based on estimated MCV1. Estimate challenged by: D-
- 2012: Estimate based on estimated MCV1. Estimate challenged by: D-
- 2013: Estimate based on estimated MCV1. Estimate challenged by: D-
- 2014: Estimate based on estimated MCV1. Estimate challenged by: D-
- 2015: Estimate based on estimated MCV1. No nationally representative household survey within the last 5 years. WHO and UNICEF recommend a high-quality survey to confirm reported levels of coverage. GoC=R+ D+

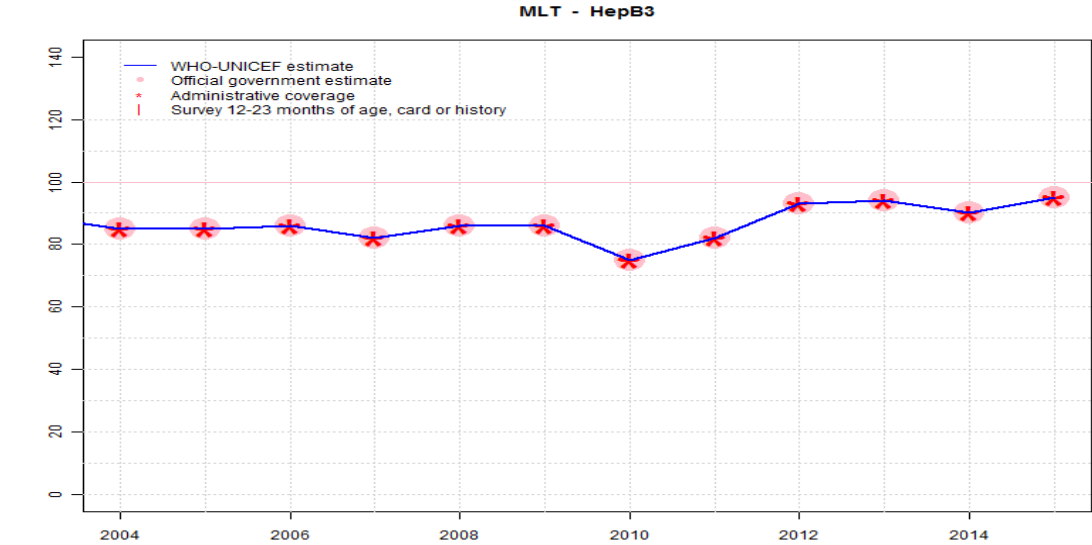


	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Estimate	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Estimate GoC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Official	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Administrative	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Survey	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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: 2015 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.



	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Estimate	85	85	86	82	86	86	75	82	93	94	90	95
Estimate GoC	•	••	••	••	•	••	•	•	•	•	•	••
Official	85	85	86	82	86	86	75	82	93	94	90	95
Administrative	85	85	86	82	86	86	75	82	93	94	90	95
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: 2015 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.

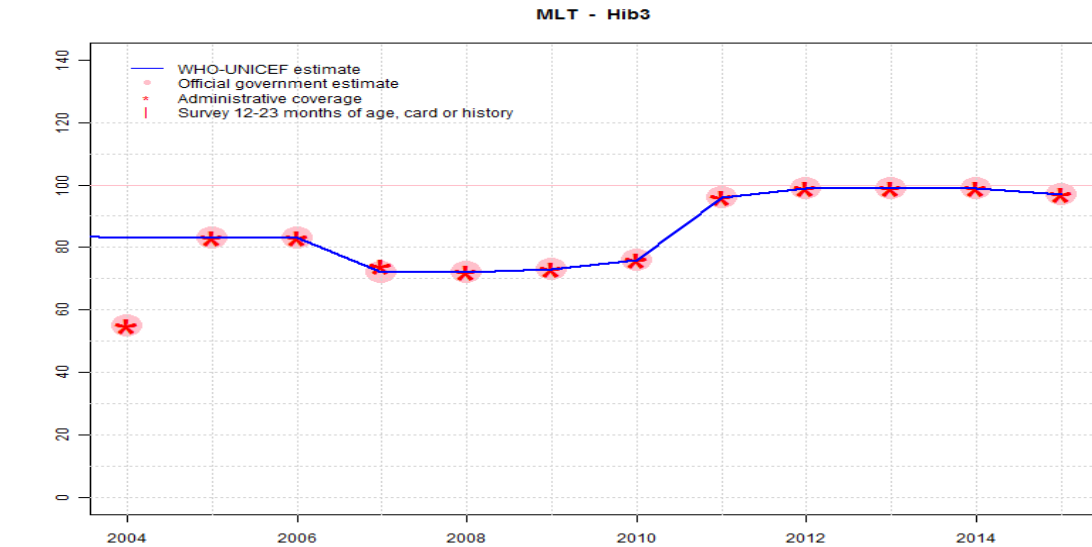
In all cases these estimates should be used with caution and should be assessed in light of the objective for which they are being used.

Description:

- 2004: Estimate based on coverage reported by national government. Reported data may under-represent immunization due to incomplete reporting by private care providers. Declines in 2004-2008 may be attributable to the failure to recall apparent defaulters during the installation of new database systems. Estimate challenged by: D-
- 2005: Estimate based on coverage reported by national government. Reported data may under-represent immunization due to incomplete reporting by private care providers. Declines in 2004-2008 may be attributable to the failure to recall apparent defaulters during the installation of new database systems. GoC=R+ D+
- 2006: Estimate based on coverage reported by national government. Reported data may under-represent immunization due to incomplete reporting by private care providers. Declines in 2004-2008 may be attributable to the failure to recall apparent defaulters during the installation of new database systems. GoC=R+ D+
- 2007: Estimate based on coverage reported by national government. Reported data may under-represent immunization due to incomplete reporting by private care providers. Declines in 2004-2008 may be attributable to the failure to recall apparent defaulters during the installation of new database systems. GoC=R+ D+
- 2008: Estimate based on coverage reported by national government. Reported data may under-represent immunization due to incomplete reporting by private care providers. Declines in 2004-2008 may be attributable to the failure to recall apparent defaulters during the installation of new database systems. Estimate challenged by: D-
- 2009: Estimate based on coverage reported by national government. Reported data may under-represent immunization due to incomplete reporting by private care providers. GoC=R+ D+
- 2010: Estimate based on coverage reported by national government. Reported data may under-represent immunization due to incomplete reporting by private care providers. Estimate challenged by: D-
- 2011: Estimate based on coverage reported by national government. . Estimate challenged by: D-
- 2012: Estimate based on coverage reported by national government. Estimate challenged by: D-
- 2013: Estimate based on coverage reported by national government. Estimate challenged by: D-
- 2014: Estimate based on coverage reported by national government. Estimate challenged by: D-
- 2015: Estimate based on coverage reported by national government. No nationally representative household survey within the last 5 years. WHO and

Malta - HepB3

UNICEF recommend a high-quality survey to confirm reported levels of coverage. GoC=R+ D+



	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Estimate	83	83	83	72	72	73	76	96	99	99	99	97
Estimate GoC	•	••	••	••	••	•	•	•	•	•	••	•
Official	55	83	83	72	72	73	76	96	99	99	99	97
Administrative	55	83	83	74	72	73	76	96	99	99	99	97
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.

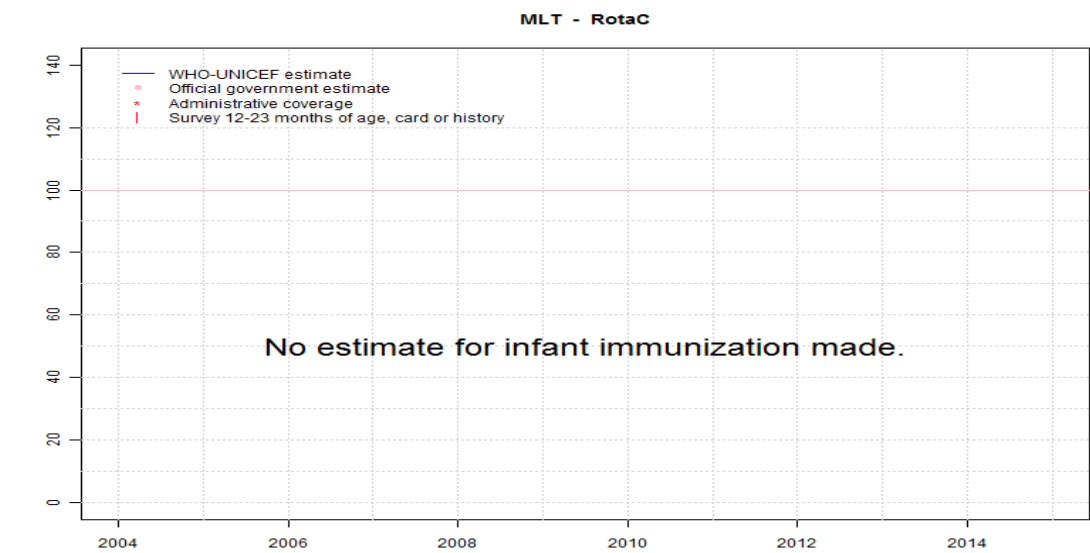
- Estimate is supported by reported data [R+], coverage recalculated with an independent denominator from the World Population Prospects: 2015 revision from the UN Population Division (D+), and at least one supporting survey within 2 years [S+]. While well supported, the estimate still carries a risk 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:

- 2004: Estimate based on interpolation between data reported by national government. Reported data excluded. Decline in reported coverage from 93 percent to 55 percent with increase to 83 percent. Reported data may under-represent immunization due to incomplete reporting by private care providers. Declines in 2004-2008 may be attributable to the failure to recall apparent defaulters during the installation of new database systems. Estimate challenged by: D-
- 2005: Estimate based on coverage reported by national government. Reported data may under-represent immunization due to incomplete reporting by private care providers. Declines in 2004-2008 may be attributable to the failure to recall apparent defaulters during the installation of new database systems. GoC=R+ D+
- 2006: Estimate based on coverage reported by national government. Reported data may under-represent immunization due to incomplete reporting by private care providers. Declines in 2004-2008 may be attributable to the failure to recall apparent defaulters during the installation of new database systems. GoC=R+ D+
- 2007: Estimate based on coverage reported by national government. Reported data may under-represent immunization due to incomplete reporting by private care providers. Declines in 2004-2008 may be attributable to the failure to recall apparent defaulters during the installation of new database systems. GoC=R+ D+
- 2008: Estimate based on coverage reported by national government. Reported data may under-represent immunization due to incomplete reporting by private care providers. Declines in 2004-2008 may be attributable to the failure to recall apparent defaulters during the installation of new database systems. GoC=R+ D+
- 2009: Estimate based on coverage reported by national government. Reported data may under-represent immunization due to incomplete reporting by private care providers. Estimate challenged by: D-
- 2010: Estimate based on coverage reported by national government. Reported data may under-represent immunization due to incomplete reporting by private care providers. Estimate challenged by: D-
- 2011: Estimate based on coverage reported by national government. . Estimate challenged by: D-
- 2012: Estimate based on coverage reported by national government. Estimate challenged by: D-
- 2013: Estimate based on coverage reported by national government. Estimate challenged by: D-
- 2014: Estimate based on coverage reported by national government. GoC=R+ D+

2015: Estimate based on coverage reported by national government. No nationally representative household survey within the last 5 years. WHO and UNICEF recommend a high-quality survey to confirm reported levels of coverage. Estimate challenged by: D-



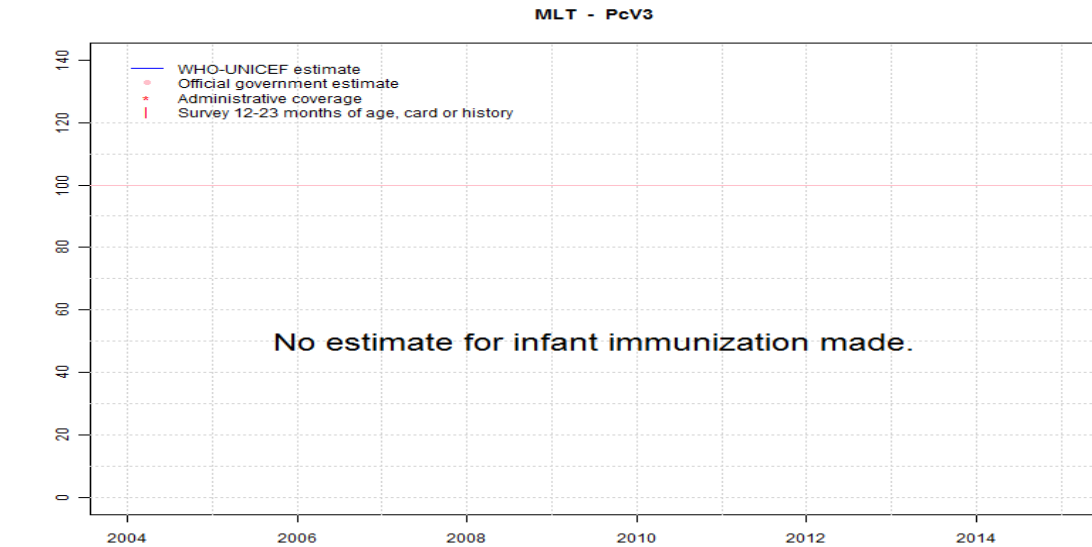
	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Estimate	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Estimate GoC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Official	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Administrative	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Survey	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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: 2015 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.

Malta - PcV3



	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
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: 2015 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.

Further information and estimates for previous years are available at:

<http://www.data.unicef.org/child-health/immunization>

http://www.who.int/immunization/monitoring_surveillance/routine/coverage/en/index4.html