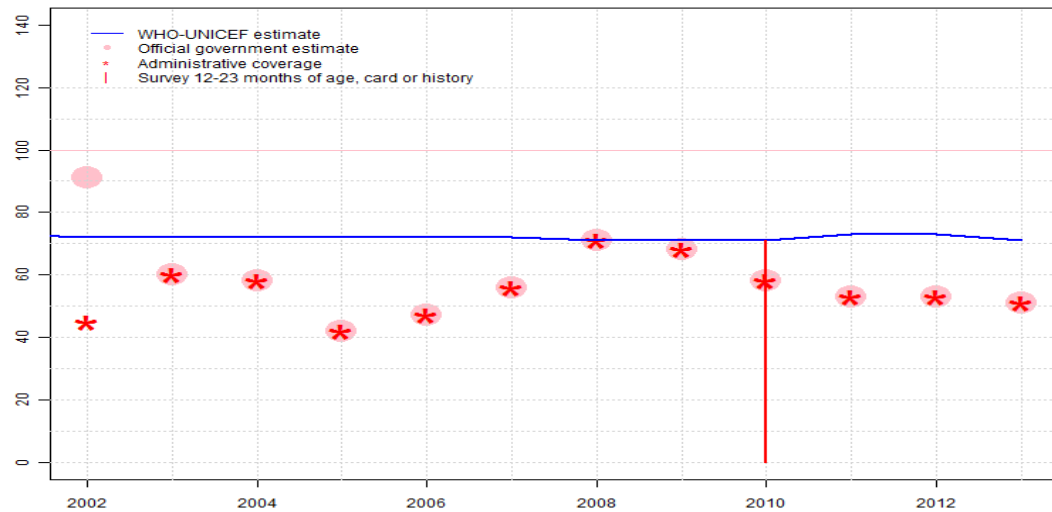


Equatorial Guinea - BCG

GNQ - BCG



	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Estimate	72	72	72	72	72	72	71	71	71	73	73	71
Estimate GoC	•	•	•	•	•	•	•	•	•	•	•	•
Official	91	60	58	42	47	56	71	68	58	53	53	51
Administrative	45	60	58	42	47	56	71	68	58	53	53	51
Survey	NA	NA	NA	NA	NA	NA	NA	NA	71	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: 2012 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:

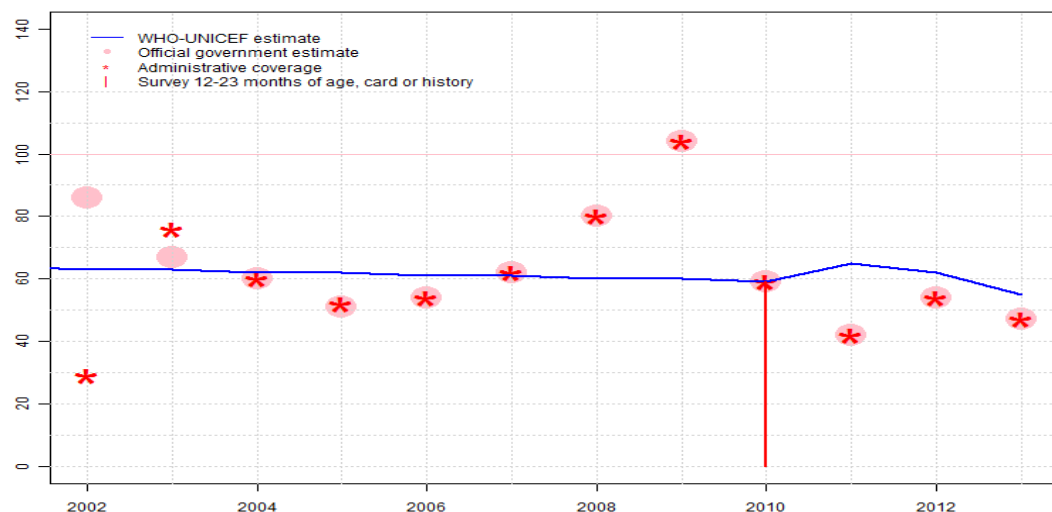
- 2002: Estimate based on interpolation between 1999 and 2010 levels. Unexplained temporal change in numerator and denominator levels. Reported data excluded. Unexplained increase from 73 percent to 91 percent with decrease 60 percent. Estimate of 72 percent changed from previous revision value of 73 percent. Estimate challenged by: D-R-
- 2003: Estimate based on interpolation between 1999 and 2010 levels. Unexplained temporal change in numerator and denominator levels. Estimate of 72 percent changed from previous revision value of 73 percent. Estimate challenged by: D-R-
- 2004: Estimate based on interpolation between 1999 and 2010 levels. Unexplained temporal change in numerator and denominator levels. Estimate of 72 percent changed from previous revision value of 73 percent. Estimate challenged by: D-R-
- 2005: Estimate based on interpolation between 1999 and 2010 levels. Unexplained temporal change in numerator and denominator levels. Estimate of 72 percent changed from previous revision value of 73 percent. Estimate challenged by: D-R-
- 2006: Estimate based on interpolation between 1999 and 2010 levels. Unexplained temporal change in numerator and denominator levels. Estimate of 72 percent changed from previous revision value of 73 percent. Estimate challenged by: D-R-
- 2007: Estimate based on interpolation between 1999 and 2010 levels. Unexplained temporal change in numerator and denominator levels. Estimate of 72 percent changed from previous revision value of 73 percent. Estimate challenged by: D-R-
- 2008: Estimate based on interpolation between 1999 and 2010 levels. Unexplained temporal change in numerator and denominator levels. Estimate of 71 percent changed from previous revision value of 73 percent. Estimate challenged by: R-
- 2009: Estimate based on interpolation between 1999 and 2010 levels. Unexplained temporal change in numerator and denominator levels. Estimate of 71 percent changed from previous revision value of 73 percent. Estimate challenged by: R-
- 2010: Survey evidence does not support reported data. Estimate based on survey results. Survey evidence of 71 percent based on 1 survey(s). Estimate of 71 percent changed from previous revision value of 73 percent. Estimate challenged by: D-R-
- 2011: Estimate based on survey results. Estimate challenged by: D-R-
- 2012: Reported data calibrated to 2011 levels. Estimates are currently based on 1999 survey results. Estimates will be updated taking into account the final results from the recent DHS survey. Estimate challenged by: D-

Equatorial Guinea - BCG

2013: Reported data calibrated to 2011 levels. Estimate challenged by: D-

Equatorial Guinea - DTP1

GNQ - DTP1



	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Estimate	63	63	62	62	61	61	60	60	59	65	62	55
Estimate GoC	•	•	•	•	•	•	•	•	••	•	••	••
Official	86	67	60	51	54	62	80	104	59	42	54	47
Administrative	29	76	60	52	54	62	80	104	59	42	54	47
Survey	NA	NA	NA	NA	NA	NA	NA	NA	59	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: 2012 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:

- 2002: Estimate based on interpolation between 1999 and 2010 levels. Unexplained temporal change in numerator and denominator levels. Reported data excluded. Unexplained increase from 32 percent to 86 percent with decrease 67 percent. Estimate of 63 percent changed from previous revision value of 65 percent. Estimate challenged by: D-R-
- 2003: Estimate based on interpolation between 1999 and 2010 levels. Unexplained temporal change in numerator and denominator levels. Estimate of 63 percent changed from previous revision value of 65 percent. Estimate challenged by: R-
- 2004: Estimate based on interpolation between 1999 and 2010 levels. Unexplained temporal change in numerator and denominator levels. Estimate of 62 percent changed from previous revision value of 65 percent. Estimate challenged by: R-
- 2005: Estimate based on interpolation between 1999 and 2010 levels. Unexplained temporal change in numerator and denominator levels. Estimate of 62 percent changed from previous revision value of 65 percent. Estimate challenged by: D-R-
- 2006: Estimate based on interpolation between 1999 and 2010 levels. Unexplained temporal change in numerator and denominator levels. Estimate of 61 percent changed from previous revision value of 65 percent. Estimate challenged by: R-
- 2007: Estimate based on interpolation between 1999 and 2010 levels. Unexplained temporal change in numerator and denominator levels. Estimate of 61 percent changed from previous revision value of 65 percent. Estimate challenged by: R-
- 2008: Estimate based on interpolation between 1999 and 2010 levels. Unexplained temporal change in numerator and denominator levels. Estimate of 60 percent changed from previous revision value of 65 percent. Estimate challenged by: D-R-
- 2009: Estimate based on interpolation between 1999 and 2010 levels. Unexplained temporal change in numerator and denominator levels. Reported data excluded. 104 percent greater than 100 percent. Reported data excluded. Unexplained increase from 80 percent to 104 percent with decrease 59 percent. Estimate of 60 percent changed from previous revision value of 65 percent. Estimate challenged by: D-R-
- 2010: Estimate based on coverage reported by national government supported by survey. Survey evidence of 59 percent based on 1 survey(s). The use of pentavalent DTP-HepB-Hib combination vaccine or trivalent DTP vaccine is unclear based on inconsistent information received by WHO and UNICEF from the programme, the 2011 DHS report and review of existing home-based vaccination records used at the time. Estimate of 59 percent

Equatorial Guinea - DTP1

changed from previous revision value of 65 percent. GoC=Assigned by working group. .

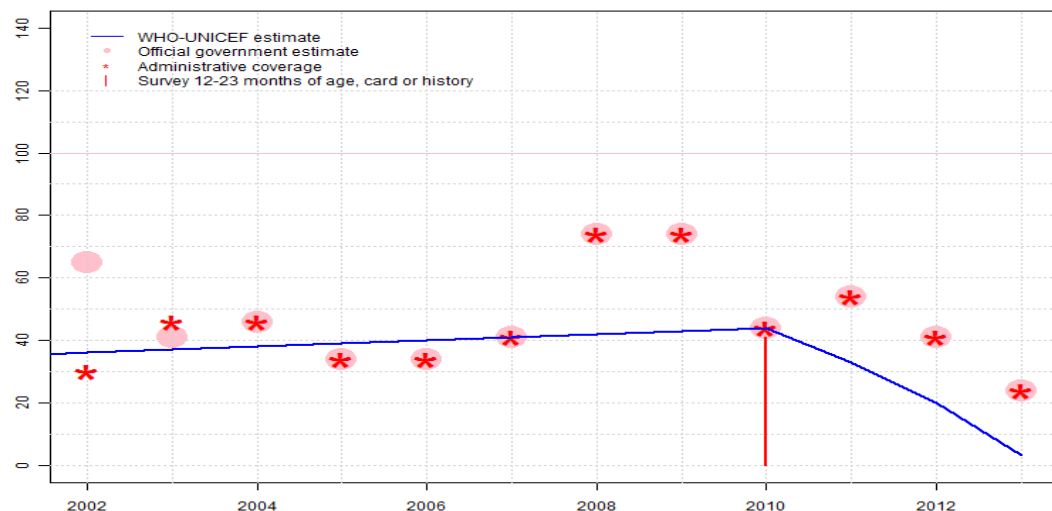
2011: Estimate based on survey results. Reported data excluded. Decline in reported coverage from 59 percent to 42 percent with increase to 54 percent. Estimate challenged by: D-R-

2012: Reported data calibrated to 2011 levels. Estimates are currently based on 1999 survey results. Estimates will be updated taking into account the final results from the recent DHS survey. Estimate of 62 percent changed from previous revision value of 65 percent. GoC=S+ D+

2013: Reported data calibrated to 2011 levels. Decline in coverage reflects six month stockout at national level. GoC=D+

Equatorial Guinea - DTP3

GNQ - DTP3



	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Estimate	36	37	38	39	40	41	42	43	44	33	20	3
Estimate GoC	•	•	•	•	•	•	•	•	••	•	•	•
Official	65	41	46	34	34	41	74	74	44	54	41	24
Administrative	30	46	46	34	34	41	74	74	44	54	41	24
Survey	NA	NA	NA	NA	NA	NA	NA	NA	41	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: 2012 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:

- 2002: Estimate based on interpolation between 1999 and 2010 levels. Unexplained temporal change in numerator and denominator levels. Reported data excluded. Unexplained increase from 32 percent to 65 percent with decrease 41 percent. Estimate of 36 percent changed from previous revision value of 33 percent. Estimate challenged by: R-
- 2003: Estimate based on interpolation between 1999 and 2010 levels. Unexplained temporal change in numerator and denominator levels. Estimate of 37 percent changed from previous revision value of 33 percent. Estimate challenged by: R-
- 2004: Estimate based on interpolation between 1999 and 2010 levels. Unexplained temporal change in numerator and denominator levels. Estimate of 38 percent changed from previous revision value of 33 percent. Estimate challenged by: R-
- 2005: Estimate based on interpolation between 1999 and 2010 levels. Unexplained temporal change in numerator and denominator levels. Estimate of 39 percent changed from previous revision value of 33 percent. Estimate challenged by: R-
- 2006: Estimate based on interpolation between 1999 and 2010 levels. Unexplained temporal change in numerator and denominator levels. Estimate of 40 percent changed from previous revision value of 33 percent. Estimate challenged by: R-
- 2007: Estimate based on interpolation between 1999 and 2010 levels. Unexplained temporal change in numerator and denominator levels. Estimate of 41 percent changed from previous revision value of 33 percent. Estimate challenged by: R-
- 2008: Estimate based on interpolation between 1999 and 2010 levels. Unexplained temporal change in numerator and denominator levels. Estimate of 42 percent changed from previous revision value of 33 percent. Estimate challenged by: D-R-
- 2009: Estimate based on interpolation between 1999 and 2010 levels. Unexplained temporal change in numerator and denominator levels. Estimate of 43 percent changed from previous revision value of 33 percent. Estimate challenged by: D-R-
- 2010: Estimate based on coverage reported by national government supported by survey. Survey evidence of 54 percent based on 1 survey(s). Equatorial Guinea Demographic and Health Survey 2011 card or history results of 41 percent modified for recall bias to 54 percent based on 1st dose card or history coverage of 59 percent, 1st dose card only coverage of 33 percent and 3d dose card only coverage of 30 percent. The use of pentavalent DTP-HepB-Hib combination vaccine or trivalent DTP vaccine is unclear based on inconsistent information received by WHO and UNICEF from

Equatorial Guinea - DTP3

the programme, the 2011 DHS report and review of existing home-based vaccination records used at the time. Estimate of 44 percent changed from previous revision value of 33 percent. GoC=Assigned by working group. .

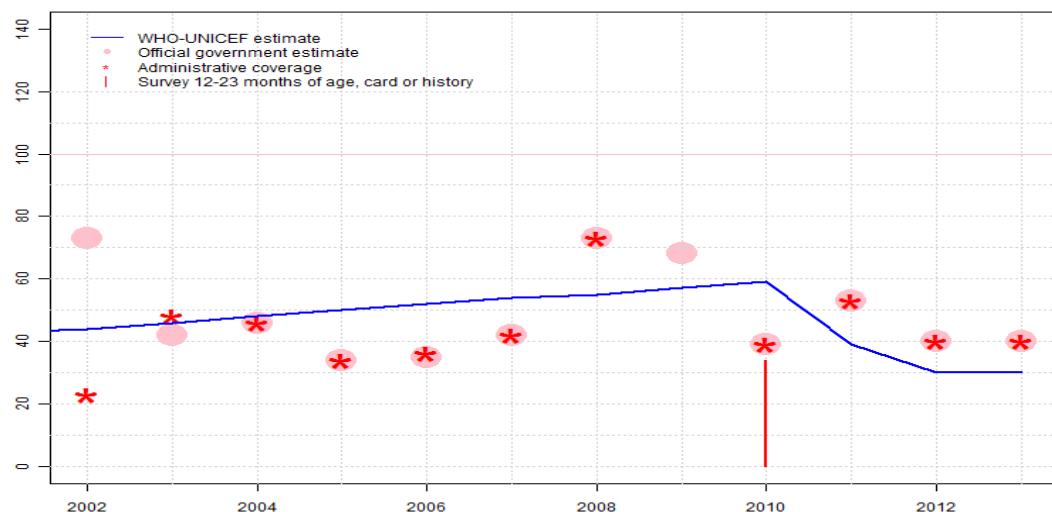
2011: Estimate based on survey results. Estimate challenged by: D-R-

2012: Reported data calibrated to 2011 levels. Estimates are currently based on 1999 survey results. Estimates will be updated taking into account the final results from the recent DHS survey. Estimate of 20 percent changed from previous revision value of 33 percent. Estimate challenged by: D-

2013: Reported data calibrated to 2011 levels. Decline in coverage reflects six month stockout at national level. Estimate challenged by: D-

Equatorial Guinea - Pol3

GNQ - Pol3



	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Estimate	44	46	48	50	52	54	55	57	59	39	30	30
Estimate GoC	•	•	•	•	•	•	•	•	•	•	•	•
Official	73	42	46	34	35	42	73	68	39	53	40	40
Administrative	23	48	46	34	36	42	73	NA	39	53	40	40
Survey	NA	NA	NA	NA	NA	NA	NA	NA	34	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: 2012 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:

- 2002: Estimate based on interpolation between 1999 and 2010 levels. Unexplained temporal change in numerator and denominator levels. Reported data excluded. Unexplained increase from 33 percent to 73 percent with decrease 42 percent. Estimate of 44 percent changed from previous revision value of 39 percent. Estimate challenged by: D-R-
- 2003: Estimate based on interpolation between 1999 and 2010 levels. Unexplained temporal change in numerator and denominator levels. Estimate of 46 percent changed from previous revision value of 39 percent. Estimate challenged by: R-
- 2004: Estimate based on interpolation between 1999 and 2010 levels. Unexplained temporal change in numerator and denominator levels. Estimate of 48 percent changed from previous revision value of 39 percent. Estimate challenged by: R-
- 2005: Estimate based on interpolation between 1999 and 2010 levels. Unexplained temporal change in numerator and denominator levels. Estimate of 50 percent changed from previous revision value of 39 percent. Estimate challenged by: D-R-
- 2006: Estimate based on interpolation between 1999 and 2010 levels. Unexplained temporal change in numerator and denominator levels. Estimate of 52 percent changed from previous revision value of 39 percent. Estimate challenged by: D-R-
- 2007: Estimate based on interpolation between 1999 and 2010 levels. Unexplained temporal change in numerator and denominator levels. Estimate of 54 percent changed from previous revision value of 39 percent. Estimate challenged by: D-R-
- 2008: Estimate based on interpolation between 1999 and 2010 levels. Unexplained temporal change in numerator and denominator levels. Estimate of 55 percent changed from previous revision value of 39 percent. Estimate challenged by: D-R-
- 2009: Estimate based on interpolation between 1999 and 2010 levels. Unexplained temporal change in numerator and denominator levels. Estimate of 57 percent changed from previous revision value of 39 percent. Estimate challenged by: R-
- 2010: Estimate based on interpolation between data reported by national government supported by survey. Survey evidence of 59 percent based on 1 survey(s). Equatorial Guinea Demographic and Health Survey 2011 card or history results of 34 percent modified for recall bias to 59 percent based on 1st dose card or history coverage of 64 percent, 1st dose card only coverage of 35 percent and 3d dose card only coverage of 32 percent. Reported data excluded. Decline in reported coverage from 68 percent to 39 percent with increase to 53 percent. Estimate of 59 percent changed from previous

Equatorial Guinea - Pol3

revision value of 39 percent. Estimate challenged by: D-

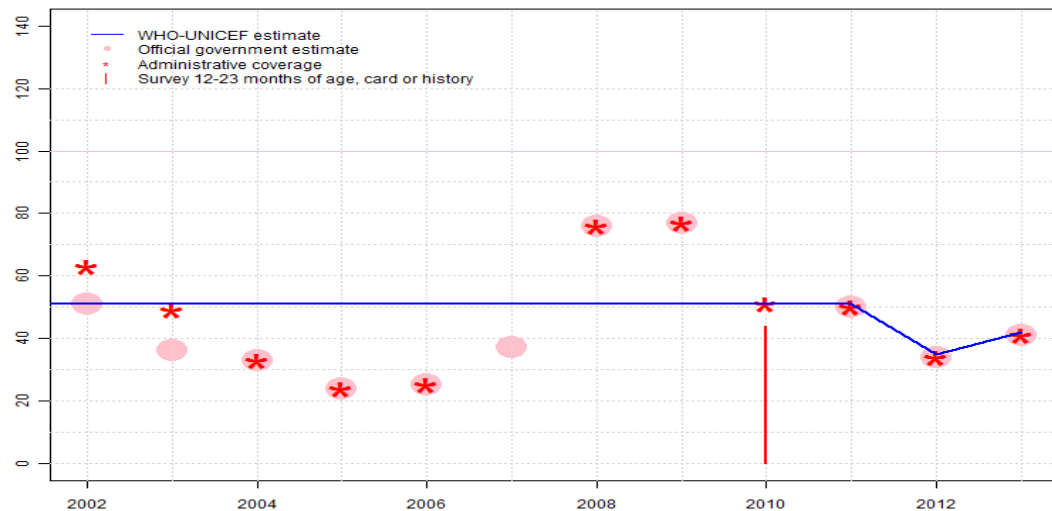
2011: Estimate based on survey results. Reported data excluded. Unexplained increase from 39 percent to 53 percent with decrease 40 percent. Estimate challenged by: D-R-

2012: Reported data calibrated to 2011 levels. Estimates are currently based on 1999 survey results. Estimates will be updated taking into account the final results from the recent DHS survey. Estimate of 30 percent changed from previous revision value of 39 percent. Estimate challenged by: D-

2013: Reported data calibrated to 2011 levels. Estimate challenged by: D-

Equatorial Guinea - MCV

GNQ - MCV



	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Estimate	51	51	51	51	51	51	51	51	51	51	35	42
Estimate GoC	•	•	•	•	•	•	•	•	••	•	••	••
Official	51	36	33	24	25	37	76	77	NA	50	34	41
Administrative	63	49	33	24	25	NA	76	77	51	50	34	41
Survey	NA	NA	NA	NA	NA	NA	NA	NA	44	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.

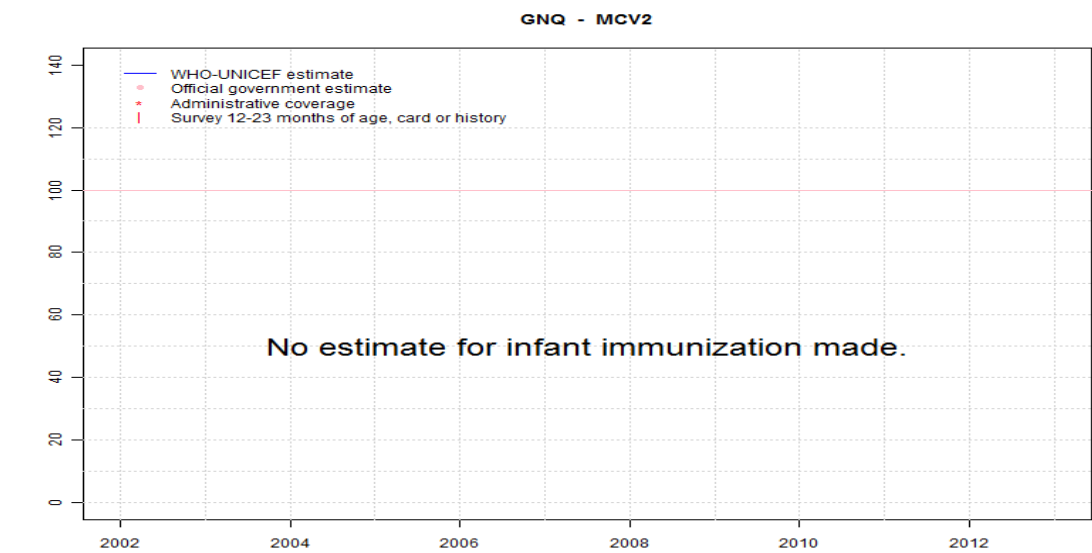
- Estimate is supported by reported data [R+], coverage recalculated with an independent denominator from the World Population Prospects: 2012 revision from the UN Population Division (D+), and at least one supporting survey within 2 years [S+]. While well supported, the estimate still carries a risk 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:

- 2002: Estimate based on interpolation between 1999 and 2010 levels. Unexplained temporal change in numerator and denominator levels. Estimate challenged by: D-R-
- 2003: Estimate based on interpolation between 1999 and 2010 levels. Unexplained temporal change in numerator and denominator levels. Estimate challenged by: D-R-
- 2004: Estimate based on interpolation between 1999 and 2010 levels. Unexplained temporal change in numerator and denominator levels. Estimate challenged by: D-R-
- 2005: Estimate based on interpolation between 1999 and 2010 levels. Unexplained temporal change in numerator and denominator levels. Estimate challenged by: D-R-
- 2006: Estimate based on interpolation between 1999 and 2010 levels. Unexplained temporal change in numerator and denominator levels. Estimate challenged by: D-R-
- 2007: Estimate based on interpolation between 1999 and 2010 levels. Unexplained temporal change in numerator and denominator levels. Estimate challenged by: R-
- 2008: Estimate based on interpolation between 1999 and 2010 levels. Unexplained temporal change in numerator and denominator levels. Estimate challenged by: D-R-
- 2009: Estimate based on interpolation between 1999 and 2010 levels. Unexplained temporal change in numerator and denominator levels. Estimate challenged by: D-R-
- 2010: Estimate based on administrative data reported by national government supported by survey. Survey evidence of 44 percent based on 1 survey(s). GoC=Assigned by working group. .
- 2011: Estimate based on survey results. Estimate challenged by: R-
- 2012: Reported data calibrated to 2011 levels. Estimates are currently based on 1999 survey results. Estimates will be updated taking into account the final results from the recent DHS survey. Estimate of 35 percent changed from previous revision value of 51 percent. GoC=S+ D+
- 2013: Reported data calibrated to 2011 levels. GoC=D+

Equatorial Guinea - MCV2



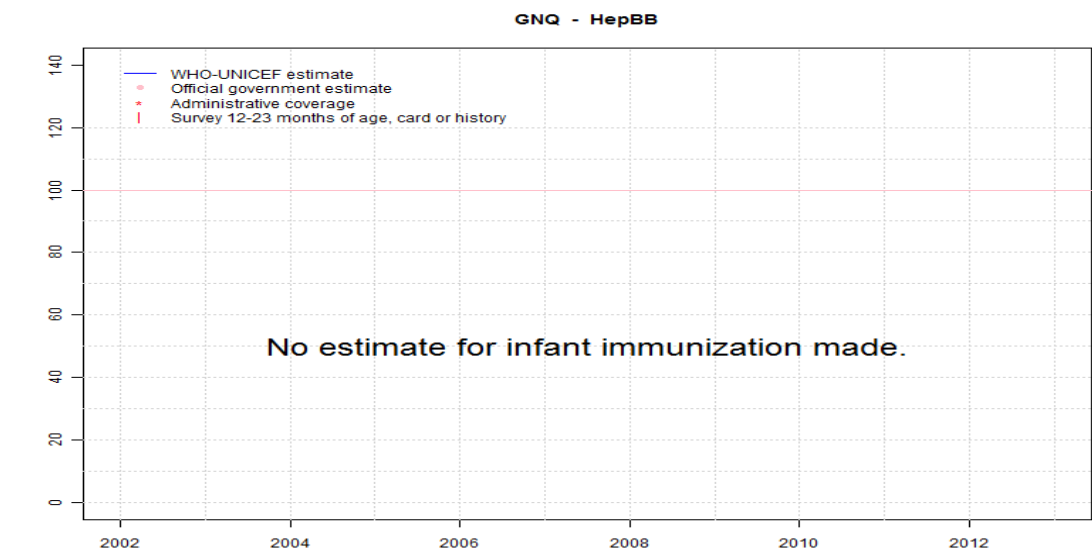
	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Estimate	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Estimate GoC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Official	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Administrative	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Survey	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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: 2012 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.

Equatorial Guinea - HepBB



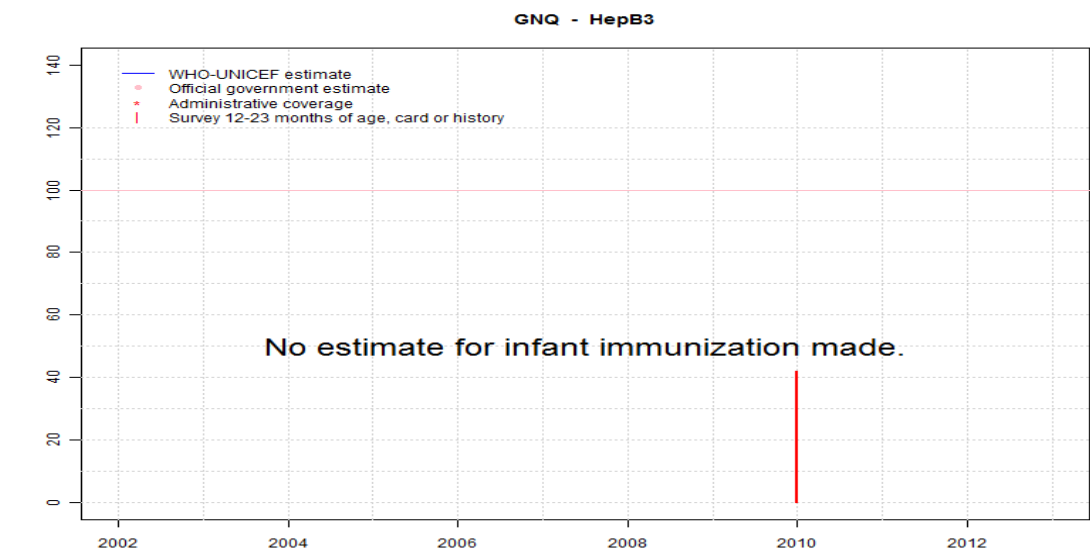
	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Estimate	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Estimate GoC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Official	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Administrative	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Survey	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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: 2012 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.

Equatorial Guinea - HepB3



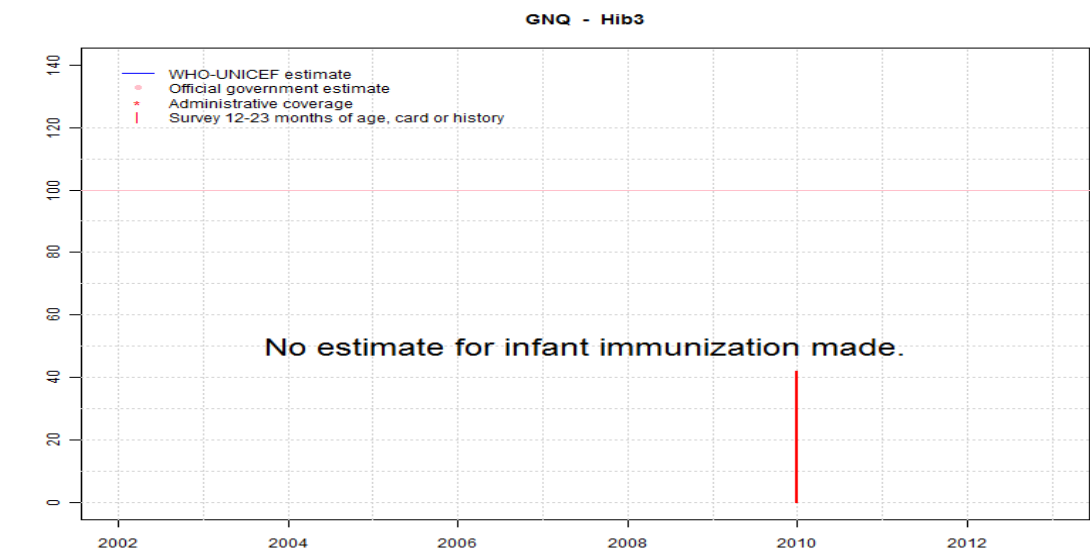
	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Estimate	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Estimate GoC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Official	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Administrative	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Survey	NA	NA	NA	NA	NA	NA	NA	NA	42	NA	NA	NA

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: 2012 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.

Equatorial Guinea - Hib3



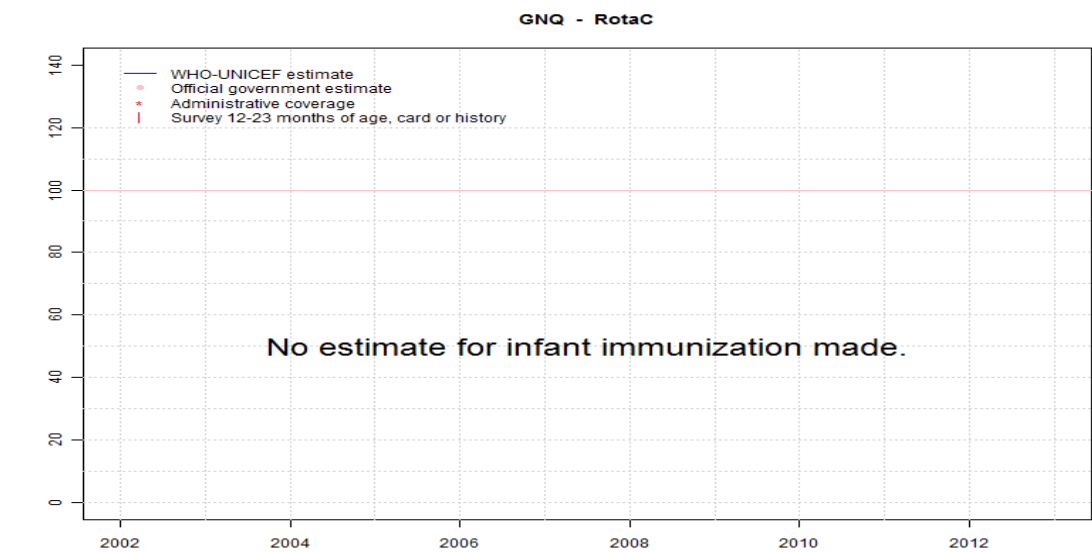
	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Estimate	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Estimate GoC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Official	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Administrative	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Survey	NA	NA	NA	NA	NA	NA	NA	NA	42	NA	NA	NA

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: 2012 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.

Equatorial Guinea - RotaC



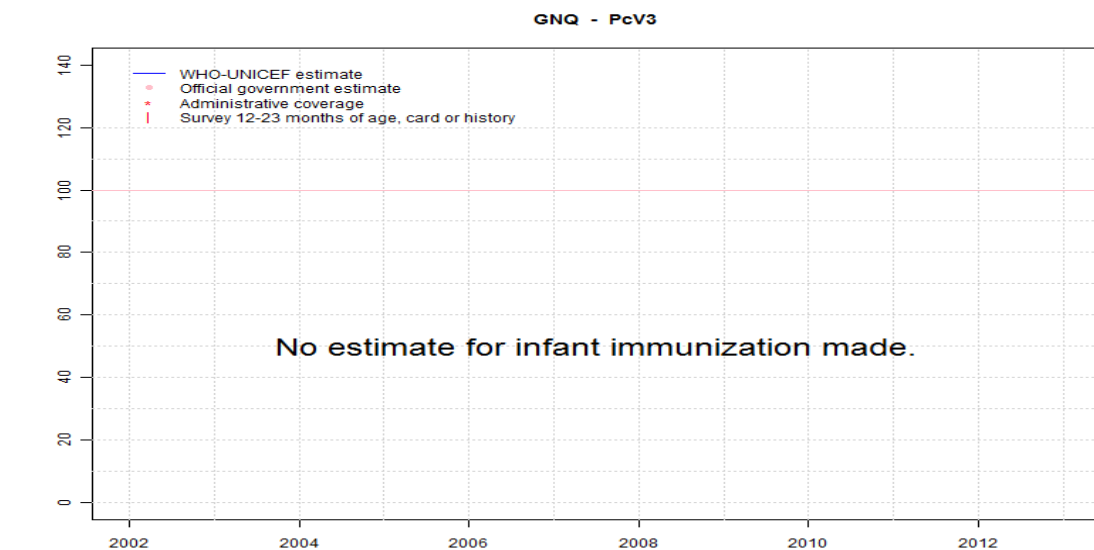
	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Estimate	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Estimate GoC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Official	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Administrative	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Survey	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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: 2012 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.

Equatorial Guinea - PcV3



	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
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: 2012 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.

Equatorial Guinea - survey details

2010 Guinée Équatoriale Enquête Démographique et de Santé 2011

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Cards seen
BCG	C or H <12 months	71	12-23 m	529	37
BCG	Card	37	12-23 m	197	37
BCG	Card or History	71	12-23 m	529	37
BCG	History	34	12-23 m	332	37
DTP1	C or H <12 months	59	12-23 m	529	37
DTP1	Card	33	12-23 m	197	37
DTP1	Card or History	59	12-23 m	529	37
DTP1	History	26	12-23 m	332	37
DTP3	C or H <12 months	41	12-23 m	529	37
DTP3	Card	30	12-23 m	197	37
DTP3	Card or History	41	12-23 m	529	37
DTP3	History	12	12-23 m	332	37
HepB1	C or H <12 months	59	12-23 m	529	37
HepB1	Card	33	12-23 m	197	37
HepB1	Card or History	59	12-23 m	529	37
HepB1	History	26	12-23 m	332	37
HepB3	C or H <12 months	41	12-23 m	529	37
HepB3	Card	30	12-23 m	197	37
HepB3	Card or History	42	12-23 m	529	37
HepB3	History	12	12-23 m	332	37
Hib1	C or H <12 months	59	12-23 m	529	37
Hib1	Card	33	12-23 m	197	37
Hib1	Card or History	59	12-23 m	529	37
Hib1	History	26	12-23 m	332	37
Hib3	C or H <12 months	41	12-23 m	529	37
Hib3	Card	30	12-23 m	197	37
Hib3	Card or History	42	12-23 m	529	37
Hib3	History	12	12-23 m	332	37
MCV	C or H <12 months	40	12-23 m	529	37
MCV	Card	27	12-23 m	197	37
MCV	Card or History	44	12-23 m	529	37
MCV	History	17	12-23 m	332	37
Pol1	C or H <12 months	64	12-23 m	529	37
Pol1	Card	35	12-23 m	197	37
Pol1	Card or History	64	12-23 m	529	37

Pol1	History	30	12-23 m	332	37
Pol3	C or H <12 months	33	12-23 m	529	37
Pol3	Card	32	12-23 m	197	37
Pol3	Card or History	34	12-23 m	529	37
Pol3	History	2	12-23 m	332	37

2009 Guinée Équatoriale Enquête Démographique et de Santé 2011

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Cards seen
BCG	C or H <12 months	71	24-35 m	499	37
DTP1	C or H <12 months	54	24-35 m	499	37
DTP3	C or H <12 months	31	24-35 m	499	37
HepB1	C or H <12 months	54	24-35 m	499	37
HepB3	C or H <12 months	31	24-35 m	499	37
Hib1	C or H <12 months	54	24-35 m	499	37
Hib3	C or H <12 months	31	24-35 m	499	37
MCV	C or H <12 months	41	24-35 m	499	37
Pol1	C or H <12 months	63	24-35 m	499	37
Pol3	C or H <12 months	25	24-35 m	499	37

2008 Guinée Équatoriale Enquête Démographique et de Santé 2011

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Cards seen
BCG	C or H <12 months	66	36-47 m	460	37
DTP1	C or H <12 months	55	36-47 m	460	37
DTP3	C or H <12 months	32	36-47 m	460	37
HepB1	C or H <12 months	55	36-47 m	460	37
HepB3	C or H <12 months	32	36-47 m	460	37
Hib1	C or H <12 months	55	36-47 m	460	37
Hib3	C or H <12 months	32	36-47 m	460	37
MCV	C or H <12 months	37	36-47 m	460	37
Pol1	C or H <12 months	59	36-47 m	460	37
Pol3	C or H <12 months	23	36-47 m	460	37

Equatorial Guinea - survey details

2007 Guinée Équatoriale Enquête Démographique et de Santé
2011

Pol3 C or H <12 months 21 48-59 m 399 37

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Cards seen
BCG	C or H <12 months	62	48-59 m	399	37
DTP1	C or H <12 months	48	48-59 m	399	37
DTP3	C or H <12 months	27	48-59 m	399	37
HepB1	C or H <12 months	48	48-59 m	399	37
HepB3	C or H <12 months	27	48-59 m	399	37
Hib1	C or H <12 months	48	48-59 m	399	37
Hib3	C or H <12 months	27	48-59 m	399	37
MCV	C or H <12 months	31	48-59 m	399	37
Pol1	C or H <12 months	56	48-59 m	399	37

1999 Equatorial Guinea MICS 2000

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Cards seen
BCG	Card or History	73	12-23 m	457	42
DTP1	Card or History	65	12-23 m	457	42
DTP3	Card or History	33	12-23 m	457	42
MCV	Card or History	51	12-23 m	457	42
Pol1	Card or History	76	12-23 m	457	42
Pol3	Card or History	39	12-23 m	457	42

Further information and estimates prior to 2002 are available at:

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

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

Equatorial Guinea

WHO/UNICEF Estimates of Protection at Birth (PAB) against tetanus

In countries where tetanus is recommended for girls and women coverage is usually reported as "TT2+", i.e. the proportion of (pregnant) women who have received their second or superior TT dose in a given year. TT2 + coverage, however, can under-represent the actual proportion of births that are protected against tetanus as it does not include women who have previously received protective doses, women who received one dose without documentation of previous doses, and women who received doses in TT (or Td) supplemental immunization activities (SIA). In addition, girls who have received DTP in their childhood and are entering childbearing age, may be protected with TT booster doses.

WHO and UNICEF have developed a model that takes into account the above scenarios, and calculates the proportion of births in a given year that can be considered as having been protected against tetanus - "Protection at Birth".

In this model, annual cohorts of women are followed from infancy through their life. A proportion receive DTP in infancy (estimated based on the WHO-UNICEF estimates of DTP3 coverage). In addition some of these women also receive TT through routine services when they are pregnant and may also receive TT during SIAs. The model also adjusts reported data, taking into account coverage patterns in other years, and/or results available through surveys. The duration of protection is then calculated, based on WHO estimates of the duration of protection by doses ever received. The proportion of births that are protected against tetanus as a result of maternal immunization reflects the tetanus immunization received by the mother throughout her life rather than simply the TT immunizations received during the current pregnancy.

Year	PAB coverage estimate (%)
2002	46
2003	62
2004	66
2005	59
2006	59
2007	62
2008	69
2009	75
2010	75
2011	75
2012	75
2013	75

¹ This model is described in: Griffiths U., Wolfson L., Quddus A., Younus M., Hafiz R.. Incremental cost-effectiveness of supplementary immunization activities to prevent neo-natal tetanus in Pakistan. Bulletin of the World Health Organization 2004; 82:643-651.