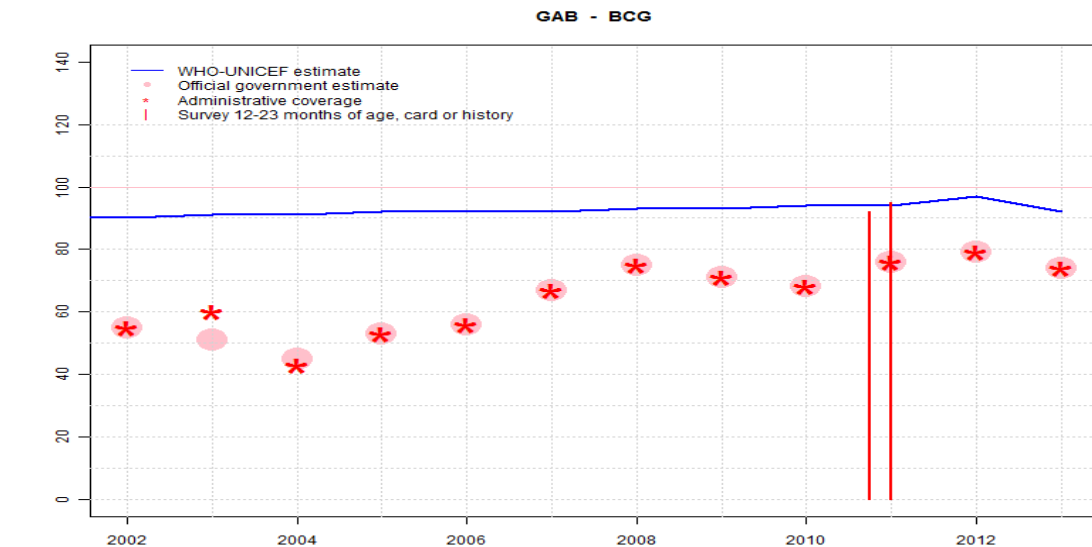


# Gabon - BCG



	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Estimate	90	91	91	92	92	92	93	93	94	94	97	92
Estimate GoC	•	•	•	•	•	•	•	•	•	•	••	••
Official	55	51	45	53	56	67	75	71	68	76	79	74
Administrative	55	60	43	53	56	67	75	71	68	76	79	74
Survey	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.

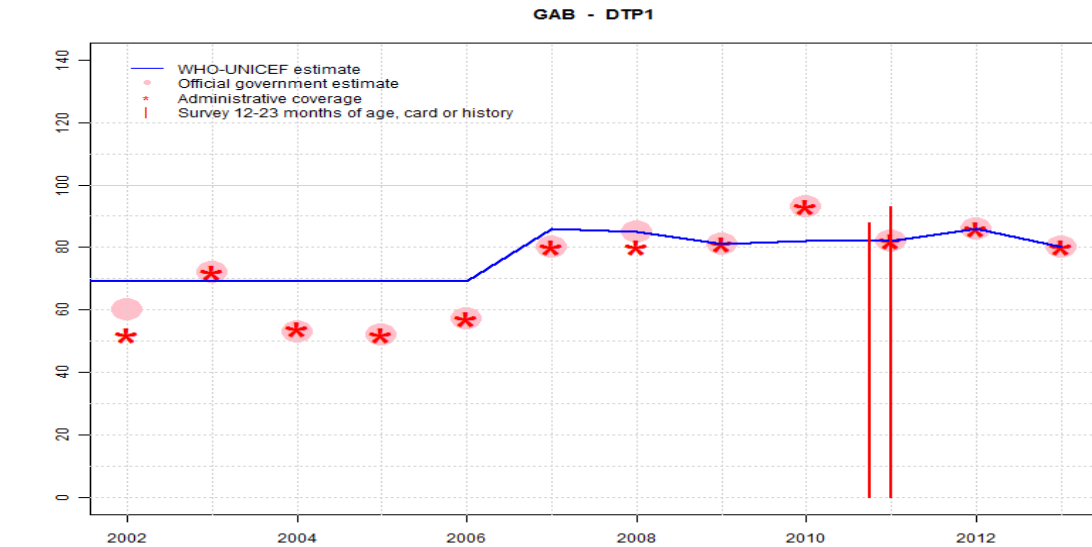
- Estimate is supported by reported data [R+], coverage recalculated with an independent denominator from the World Population Prospects: 2012 revision from the UN Population Division (D+), and at least one supporting survey within 2 years [S+]. While well supported, the estimate still carries a risk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

## Description:

- 2002: Estimate based on interpolation between 1999 and 2011 levels. Fluctuating and inconsistent data across antigens suggest poor reporting. Estimate of 90 percent changed from previous revision value of 91 percent. Estimate challenged by: D-R-
- 2003: Estimate based on interpolation between 1999 and 2011 levels. Fluctuating and inconsistent data across antigens suggest poor reporting. Estimate challenged by: D-R-
- 2004: Estimate based on interpolation between 1999 and 2011 levels. Fluctuating and inconsistent data across antigens suggest poor reporting. Estimate of 91 percent changed from previous revision value of 92 percent. Estimate challenged by: D-R-
- 2005: Estimate based on interpolation between 1999 and 2011 levels. Fluctuating and inconsistent data across antigens suggest poor reporting. Estimate challenged by: D-R-
- 2006: Estimate based on interpolation between 1999 and 2011 levels. Fluctuating and inconsistent data across antigens suggest poor reporting. Estimate of 92 percent changed from previous revision value of 93 percent. Estimate challenged by: D-R-
- 2007: Estimate based on interpolation between 1999 and 2011 levels. Fluctuating and inconsistent data across antigens suggest poor reporting. Estimate of 92 percent changed from previous revision value of 93 percent. Estimate challenged by: R-
- 2008: Estimate based on interpolation between 1999 and 2011 levels. Fluctuating and inconsistent data across antigens suggest poor reporting. Estimate of 93 percent changed from previous revision value of 94 percent. Estimate challenged by: R-
- 2009: Estimate based on interpolation between 1999 and 2011 levels. Fluctuating and inconsistent data across antigens suggest poor reporting. Estimate of 93 percent changed from previous revision value of 94 percent. Estimate challenged by: R-
- 2010: Estimate based on interpolation between 1999 and 2011 levels. Fluctuating and inconsistent data across antigens suggest poor reporting. Estimate of 94 percent changed from previous revision value of 95 percent. Estimate challenged by: R-
- 2011: Survey evidence does not support reported data. Estimate based on survey results. Survey evidence of 94 percent based on 2 survey(s). High proportion of births assisted by skill attendance. Estimate of 94 percent changed from previous revision value of 95 percent. Estimate challenged by: R-
- 2012: Reported data calibrated to 2011 levels. Estimate of 97 percent changed from previous revision value of 98 percent. GoC=S+ D+
- 2013: Reported data calibrated to 2011 levels. GoC=S+ D+

# Gabon - DTP1



	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Estimate	69	69	69	69	69	86	85	81	82	82	86	80
Estimate GoC	•	•	•	•	•	•	•	•	•	•	•	•
Official	60	72	53	52	57	80	85	81	93	82	86	80
Administrative	52	72	54	52	57	80	80	81	93	82	86	80
Survey	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.

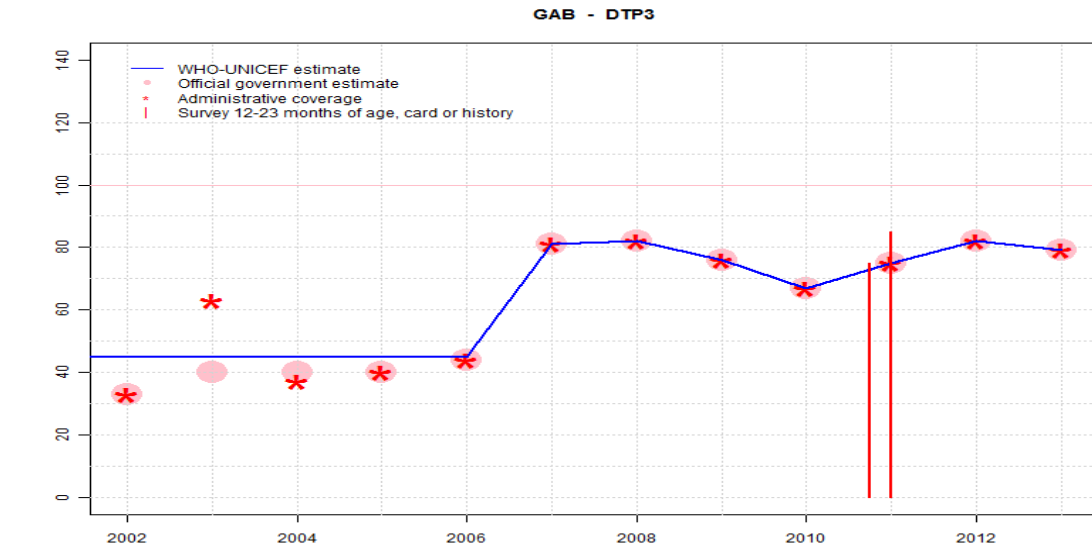
- Estimate is supported by reported data [R+], coverage recalculated with an independent denominator from the World Population Prospects: 2012 revision from the UN Population Division (D+), and at least one supporting survey within 2 years [S+]. While well supported, the estimate still carries a risk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

## Description:

- 2002: Estimate based on interpolation between 1999 and 2006 levels. Fluctuating and inconsistent data across antigens suggest poor reporting. Estimate challenged by: R-
- 2003: Estimate based on interpolation between 1999 and 2006 levels. Fluctuating and inconsistent data across antigens suggest poor reporting. Reported data excluded. Unexplained increase from 60 percent to 72 percent with decrease 53 percent. Estimate challenged by: D-R-
- 2004: Estimate based on interpolation between 1999 and 2006 levels. Fluctuating and inconsistent data across antigens suggest poor reporting. Estimate challenged by: R-
- 2005: Estimate based on interpolation between 1999 and 2006 levels. Fluctuating and inconsistent data across antigens suggest poor reporting. Estimate challenged by: R-
- 2006: Estimate based on survey result. Estimate challenged by: R-
- 2007: Reported data calibrated to 2006 and 2008 levels. Estimate challenged by: D-
- 2008: Estimate based on reported data. Estimate challenged by: D-
- 2009: Estimate based on coverage reported by national government. Estimate challenged by: D-
- 2010: Estimate based on interpolation between coverage reported by national government. Reported data excluded. Unexplained increase from 81 percent to 93 percent with decrease 82 percent. Estimate challenged by: D-
- 2011: Survey support reported data for other antigens. 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-

# Gabon - DTP3



	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Estimate	45	45	45	45	45	81	82	76	67	75	82	79
Estimate GoC	•	•	•	•	•	•	•	•	•	•	•	•
Official	33	40	40	40	44	81	82	76	67	75	82	79
Administrative	33	63	37	40	44	81	82	76	67	75	82	79
Survey	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.

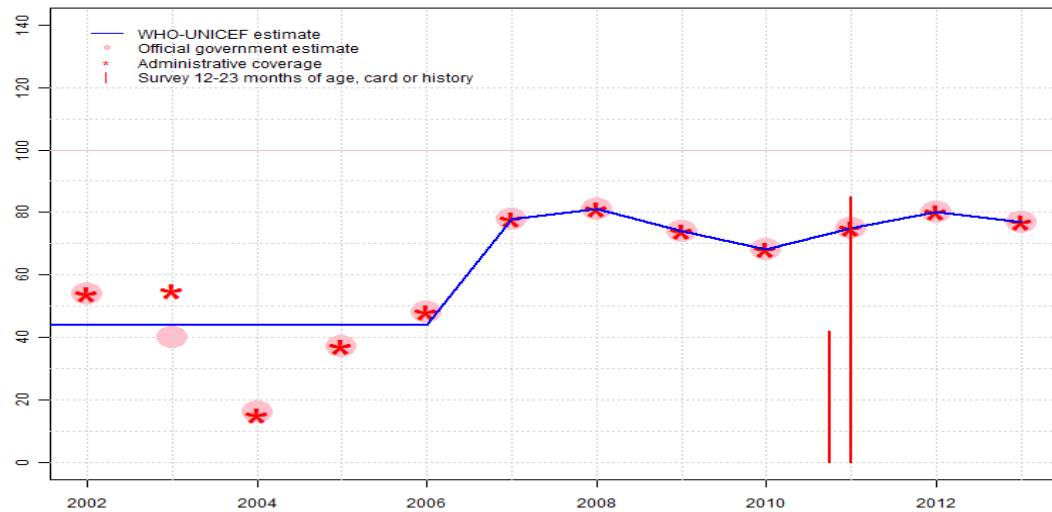
In all cases these estimates should be used with caution and should be assessed in light of the objective for which they are being used.

## Description:

- 2002: Estimate based on interpolation between 1999 and 2006 levels. Fluctuating and inconsistent data across antigens suggest poor reporting. Estimate challenged by: R-
- 2003: Estimate based on interpolation between 1999 and 2006 levels. Fluctuating and inconsistent data across antigens suggest poor reporting. Estimate challenged by: D-R-
- 2004: Estimate based on interpolation between 1999 and 2006 levels. Fluctuating and inconsistent data across antigens suggest poor reporting. Estimate challenged by: R-
- 2005: Estimate based on interpolation between 1999 and 2006 levels. Fluctuating and inconsistent data across antigens suggest poor reporting. Estimate challenged by: R-
- 2006: Estimate based on survey result. Estimate challenged by: D-R-
- 2007: Based on reported data. Estimate challenged by: D-
- 2008: Estimate based on coverage reported by national government. Estimate challenged by: D-
- 2009: Estimate based on coverage reported by national government. Estimate challenged by: D-
- 2010: Estimate based on coverage reported by national government. Estimate challenged by: D-
- 2011: Estimate based on coverage reported by national government supported by survey. Survey evidence of 81 percent based on 2 survey(s). Gabon Demographic and Health Survey 2012 card or history results of 75 percent modified for recall bias to 76 percent based on 1st dose card or history coverage of 88 percent, 1st dose card only coverage of 72 percent and 3d dose card only coverage of 62 percent. 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-

# Gabon - Pol3

GAB - Pol3



	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Estimate	44	44	44	44	44	78	81	74	68	75	80	77
Estimate GoC	•	•	•	•	•	•	•	•	•	•	•	•
Official	54	40	16	37	48	78	81	74	68	75	80	77
Administrative	54	55	15	37	48	78	81	74	68	75	80	77
Survey	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.

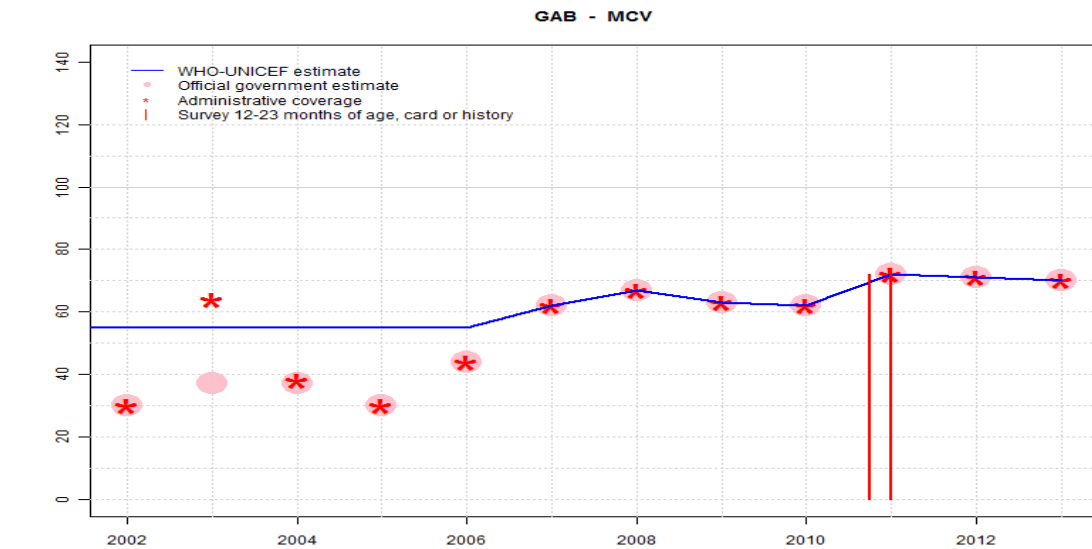
- Estimate is supported by reported data [R+], coverage recalculated with an independent denominator from the World Population Prospects: 2012 revision from the UN Population Division (D+), and at least one supporting survey within 2 years [S+]. While well supported, the estimate still carries a risk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

## Description:

- 2002: Estimate based on interpolation between 1999 and 2006 levels. Fluctuating and inconsistent data across antigens suggest poor reporting. Reported data excluded. Unexplained increase from 37 percent to 54 percent with decrease 40 percent. Estimate challenged by: D-R-
- 2003: Estimate based on interpolation between 1999 and 2006 levels. Fluctuating and inconsistent data across antigens suggest poor reporting. Estimate challenged by: D-R-
- 2004: Estimate based on interpolation between 1999 and 2006 levels. Fluctuating and inconsistent data across antigens suggest poor reporting. Reported data excluded. Decline in reported coverage from 40 percent to 16 percent with increase to 37 percent. Estimate challenged by: D-R-
- 2005: Estimate based on interpolation between 1999 and 2006 levels. Fluctuating and inconsistent data across antigens suggest poor reporting. Estimate challenged by: R-
- 2006: Estimate based on Survey data. Estimate challenged by: D-R-
- 2007: Based on reported data. Estimate challenged by: D-
- 2008: Estimate based on coverage reported by national government. Estimate challenged by: D-
- 2009: Estimate based on coverage reported by national government. Estimate challenged by: D-S-
- 2010: Estimate based on coverage reported by national government. Estimate challenged by: D-S-
- 2011: Estimate based on coverage reported by national government supported by survey. Survey evidence of 85 percent based on 1 survey(s). Gabon Demographic and Health Survey 2012 results ignored by working group. Survey results are inconsistent with results from other antigens. Estimate challenged by: D-S-
- 2012: Estimate based on coverage reported by national government. Estimate challenged by: D-S-
- 2013: Estimate based on coverage reported by national government. Estimate challenged by: D-S-

# Gabon - MCV



	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Estimate	55	55	55	55	55	62	67	63	62	72	71	70
Estimate GoC	•	•	•	•	•	•	•	•	•	•	•	•
Official	30	37	37	30	44	62	67	63	62	72	71	70
Administrative	30	64	38	30	44	62	67	63	62	72	71	70
Survey	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.

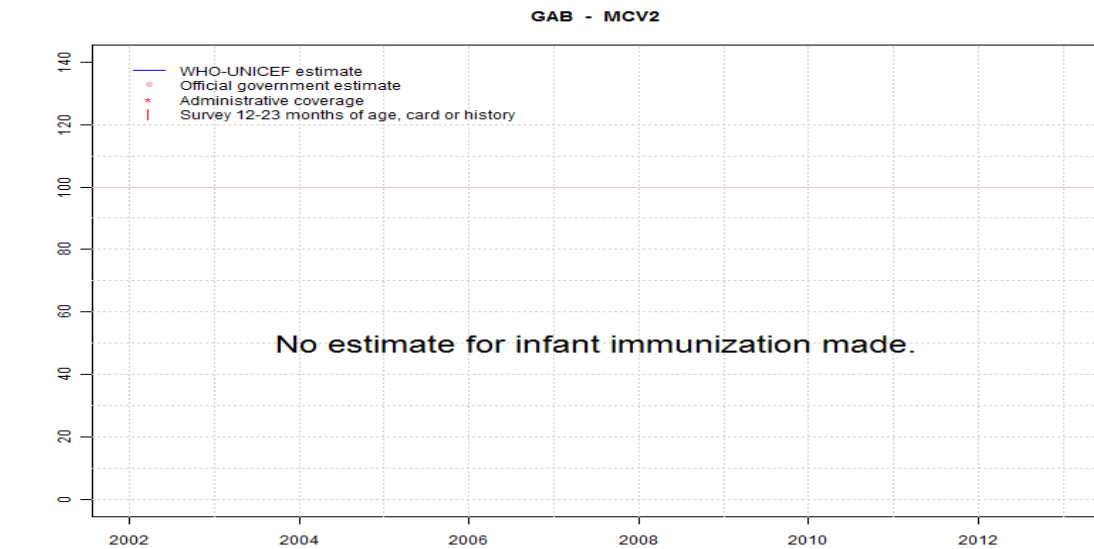
- Estimate is supported by reported data [R+], coverage recalculated with an independent denominator from the World Population Prospects: 2012 revision from the UN Population Division (D+), and at least one supporting survey within 2 years [S+]. While well supported, the estimate still carries a risk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

## Description:

- 2002: Estimate based on interpolation between 1999 and 2006 levels. Fluctuating and inconsistent data across antigens suggest poor reporting. Estimate challenged by: D-R-
- 2003: Estimate based on interpolation between 1999 and 2006 levels. Fluctuating and inconsistent data across antigens suggest poor reporting. Estimate challenged by: D-R-
- 2004: Estimate based on interpolation between 1999 and 2006 levels. Fluctuating and inconsistent data across antigens suggest poor reporting. Estimate challenged by: R-
- 2005: Estimate based on interpolation between 1999 and 2006 levels. Fluctuating and inconsistent data across antigens suggest poor reporting. Estimate challenged by: D-R-
- 2006: Estimate based on survey result. Estimate challenged by: R-
- 2007: Based on reported data. Estimate challenged by: D-
- 2008: Estimate based on coverage reported by national government. Estimate challenged by: D-
- 2009: Estimate based on coverage reported by national government. Estimate challenged by: D-
- 2010: Estimate based on coverage reported by national government. Estimate challenged by: D-
- 2011: Estimate based on coverage reported by national government supported by survey. Survey evidence of 73 percent based on 2 survey(s). 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-

# Gabon - MCV2



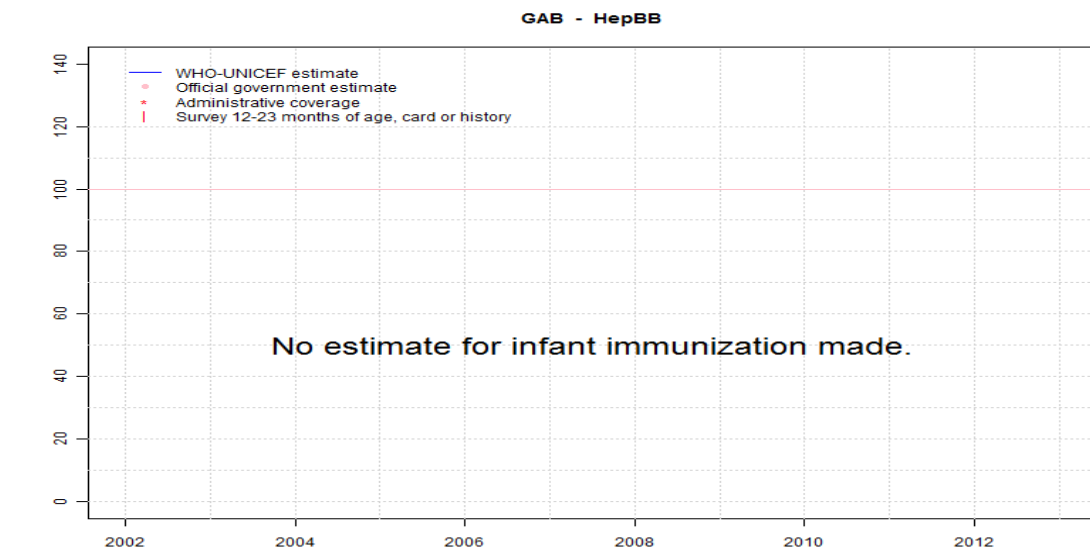
	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Estimate	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Estimate GoC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Official	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Administrative	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Survey	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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.





	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

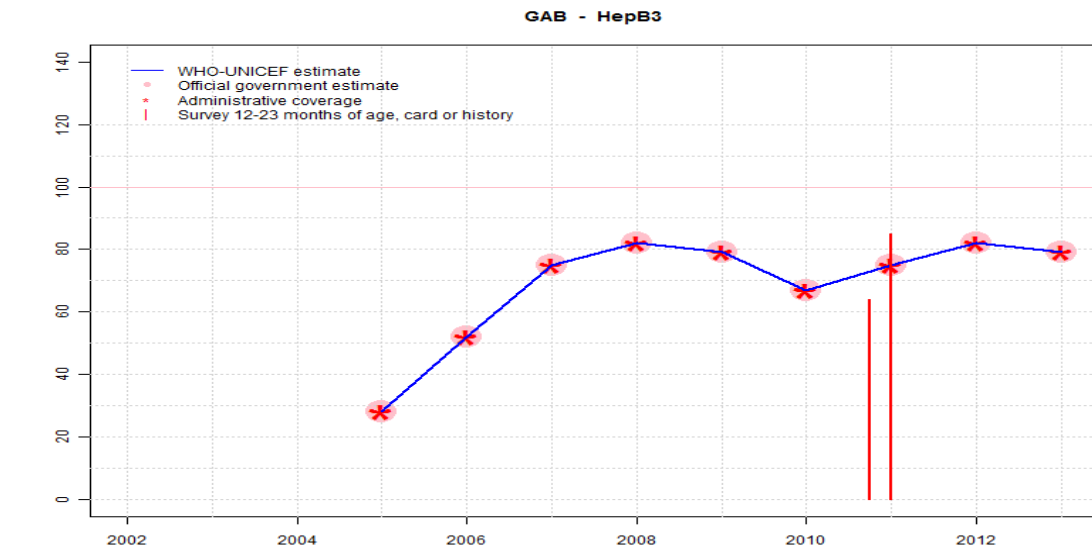
The WHO and UNICEF estimates of national immunization coverage (wuenic) are based on data and information that are of varying, and, in some instances, unknown quality. Beginning with the 2011 revision we describe the grade of confidence (GoC) we have in these estimates. As there is no underlying probability 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.



# Gabon - HepB3



	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Estimate	NA	NA	NA	28	52	75	82	79	67	75	82	79
Estimate GoC	NA	NA	NA	•	•	•	•	•	•	•	•	•
Official	NA	NA	NA	28	52	75	82	79	67	75	82	79
Administrative	NA	NA	NA	28	52	75	82	79	67	75	82	79
Survey	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.

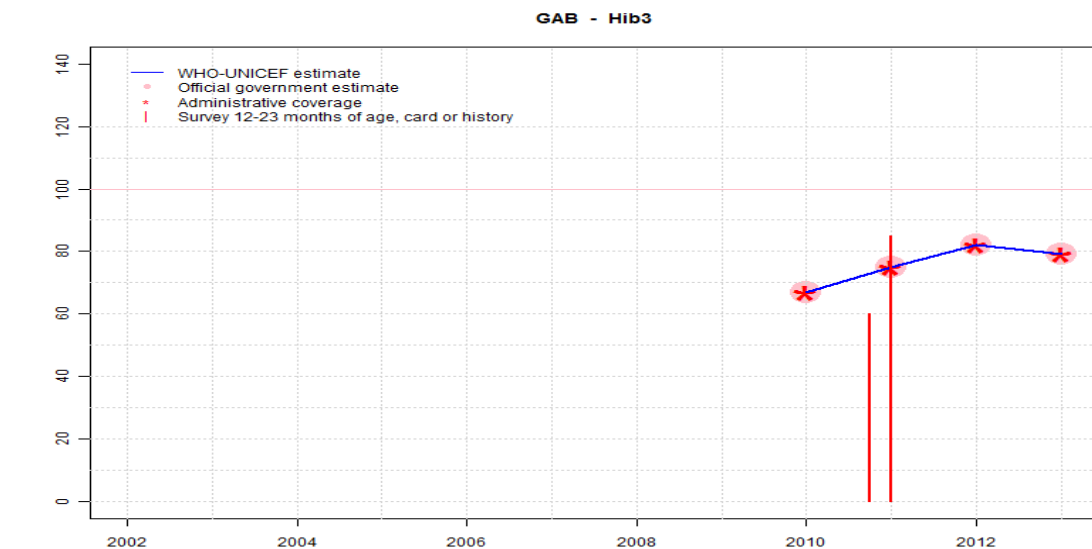
- Estimate is supported by reported data [R+], coverage recalculated with an independent denominator from the World Population Prospects: 2012 revision from the UN Population Division (D+), and at least one supporting survey within 2 years [S+]. While well supported, the estimate still carries a risk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

## Description:

- 2005: Estimate based on reported data. HepB vaccine introduced in 2004. Reporting started in 2005. Estimate challenged by: D-
- 2006: Estimate based on reported data. Estimate challenged by: D-
- 2007: Estimate based on reported data. Estimate challenged by: D-
- 2008: Estimate based on reported data. Estimate challenged by: D-
- 2009: Estimate based on reported data. Estimate challenged by: D-
- 2010: Estimate based on reported data. Estimate challenged by: D-
- 2011: Estimate based on coverage reported by national government supported by survey. Survey evidence of 77 percent based on 2 survey(s). Gabon Demographic and Health Survey 2012 card or history results of 64 percent modified for recall bias to 68 percent based on 1st dose card or history coverage of 81 percent, 1st dose card only coverage of 66 percent and 3d dose card only coverage of 55 percent. 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-

# Gabon - Hib3



	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Estimate	NA	NA	NA	NA	NA	NA	NA	NA	67	75	82	79
Estimate GoC	NA	NA	NA	NA	NA	NA	NA	NA	•	•	•	•
Official	NA	NA	NA	NA	NA	NA	NA	NA	67	75	82	79
Administrative	NA	NA	NA	NA	NA	NA	NA	NA	67	75	82	79
Survey	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.

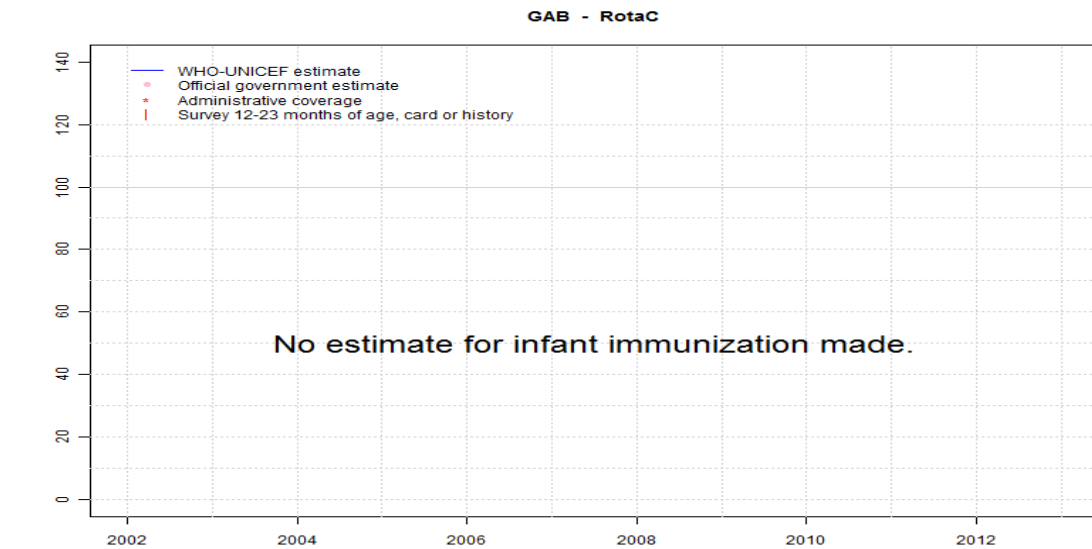
- Estimate is supported by reported data [R+], coverage recalculated with an independent denominator from the World Population Prospects: 2012 revision from the UN Population Division (D+), and at least one supporting survey within 2 years [S+]. While well supported, the estimate still carries a risk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

## Description:

- 2010: Estimate based on reported data. DTP-HepB-Hib combination vaccine introduced in 2010. Estimate challenged by: D-
- 2011: Estimate based on coverage reported by national government supported by survey. Survey evidence of 74 percent based on 2 survey(s). Gabon Demographic and Health Survey 2012 card or history results of 60 percent modified for recall bias to 63 percent based on 1st dose card or history coverage of 75 percent, 1st dose card only coverage of 63 percent and 3d dose card only coverage of 53 percent. 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-

# Gabon - RotaC



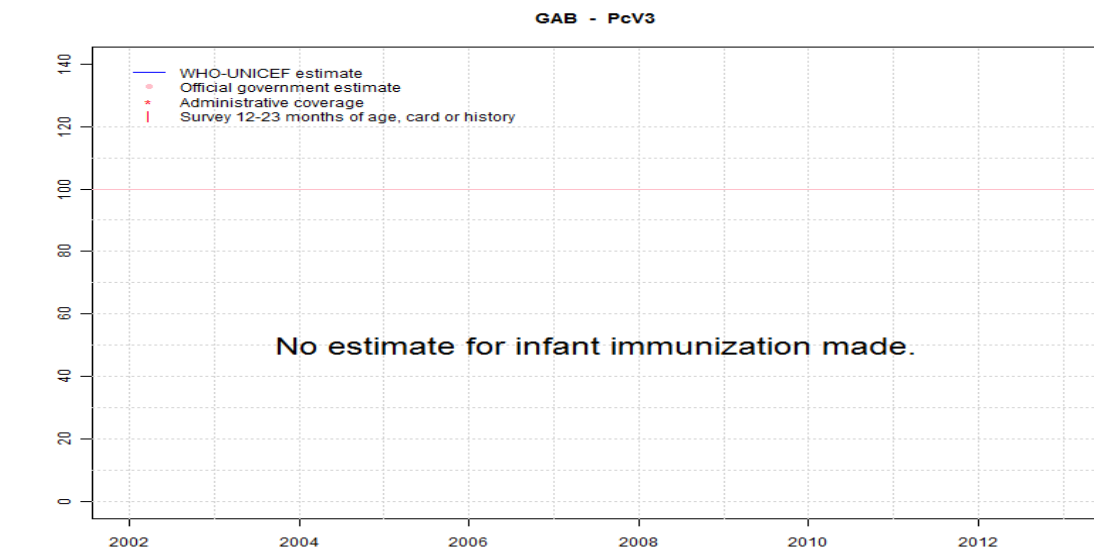
	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Estimate	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Estimate GoC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Official	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Administrative	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Survey	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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.

# Gabon - PcV3



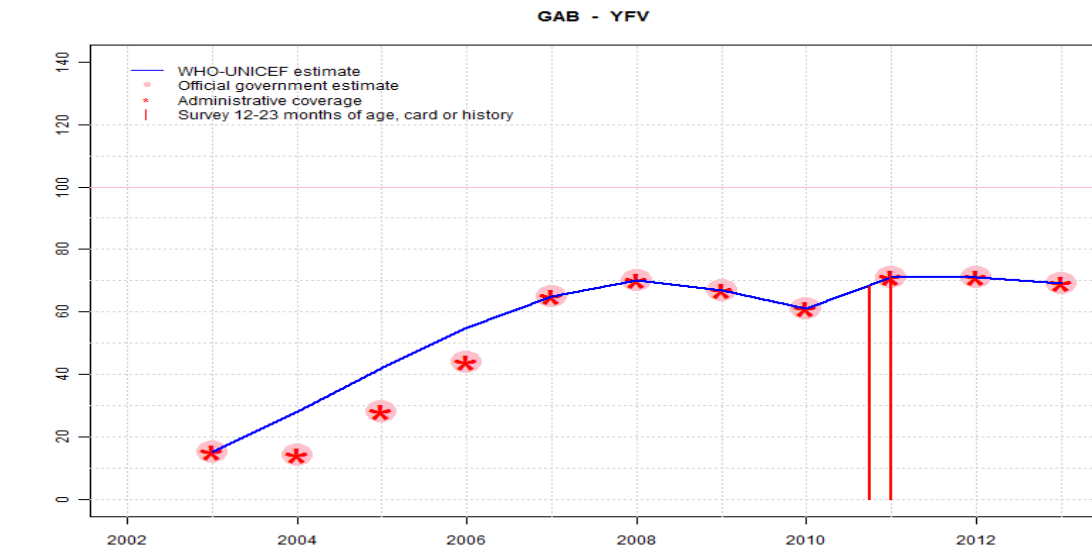
	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Estimate	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Estimate GoC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Official	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Administrative	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Survey	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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.

# Gabon - YFV



	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Estimate	NA	15	28	42	55	65	70	67	61	71	71	69
Estimate GoC	NA	●●	●	●	●	●	●	●	●	●	●	●
Official	NA	15	14	28	44	65	70	67	61	71	71	69
Administrative	NA	15	14	28	44	65	70	67	61	71	71	69
Survey	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.

## Description:

- 2003: YFV introduced nationally. Estimate follows reported data GoC=R+ D+
- 2004: Estimate based on interpolation between 2003 and 2006 levels. Fluctuating and inconsistent data across antigens suggest poor reporting. Estimate challenged by: D-R-
- 2005: Estimate based on interpolation between 2003 and 2006 levels. Fluctuating and inconsistent data across antigens suggest poor reporting. Estimate challenged by: R-
- 2006: Nationally reported data matched and exceeded reported MCV coverage levels. Estimate set to MCV coverage levels. Estimate challenged by: R-
- 2007: Based on reported data. Estimate challenged by: D-
- 2008: Estimate based on coverage reported by national government. Estimate challenged by: D-
- 2009: Estimate based on coverage reported by national government. Estimate challenged by: D-
- 2010: Estimate based on coverage reported by national government. Estimate challenged by: D-
- 2011: Estimate based on coverage reported by national government supported by survey. Survey evidence of 70 percent based on 2 survey(s). 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-

# Gabon - survey details

## 2011 Enquête Démographique et de Santé Gabon, 2012

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Cards seen
BCG	C or H <12 months	90	12-23 m	935	75
BCG	Card	72	12-23 m	702	75
BCG	Card or History	92	12-23 m	935	75
BCG	History	19	12-23 m	233	75
DTP1	C or H <12 months	87	12-23 m	935	75
DTP1	Card	72	12-23 m	702	75
DTP1	Card or History	88	12-23 m	935	75
DTP1	History	17	12-23 m	233	75
DTP3	C or H <12 months	73	12-23 m	935	75
DTP3	Card	62	12-23 m	702	75
DTP3	Card or History	75	12-23 m	935	75
DTP3	History	13	12-23 m	233	75
HepB1	C or H <12 months	80	12-23 m	935	75
HepB1	Card	66	12-23 m	702	75
HepB1	Card or History	81	12-23 m	935	75
HepB1	History	15	12-23 m	233	75
HepB3	C or H <12 months	62	12-23 m	935	75
HepB3	Card	55	12-23 m	702	75
HepB3	Card or History	64	12-23 m	935	75
HepB3	History	9	12-23 m	233	75
Hib1	C or H <12 months	74	12-23 m	935	75
Hib1	Card	63	12-23 m	702	75
Hib1	Card or History	75	12-23 m	935	75
Hib1	History	12	12-23 m	233	75
Hib3	C or H <12 months	58	12-23 m	935	75
Hib3	Card	53	12-23 m	702	75
Hib3	Card or History	60	12-23 m	935	75
Hib3	History	7	12-23 m	233	75
MCV	C or H <12 months	68	12-23 m	935	75
MCV	Card	58	12-23 m	702	75
MCV	Card or History	74	12-23 m	935	75
MCV	History	16	12-23 m	233	75
Pol1	C or H <12 months	67	12-23 m	935	75
Pol1	Card	53	12-23 m	702	75
Pol1	Card or History	70	12-23 m	935	75
Pol1	History	17	12-23 m	233	75
Pol3	C or H <12 months	41	12-23 m	935	75

Pol3	Card	34	12-23 m	702	75
Pol3	Card or History	42	12-23 m	935	75
Pol3	History	8	12-23 m	233	75
YFV	C or H <12 months	26	12-23 m	935	75
YFV	Card	54	12-23 m	702	75
YFV	Card or History	68	12-23 m	935	75
YFV	History	14	12-23 m	233	75

## 2011 Revue Externe du PEV Gabon, 2012

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Cards seen
BCG	Card	82	12-23 m	-	83
BCG	Card or History	95	12-23 m	3097	83
BCG	Scar	25	12-23 m	-	83
DTP1	Card or History	93	12-23 m	3097	83
DTP3	Card	73	12-23 m	-	83
DTP3	Card or History	85	12-23 m	3097	83
HepB1	Card or History	93	12-23 m	3097	83
HepB3	Card	73	12-23 m	-	83
HepB3	Card or History	85	12-23 m	3097	83
Hib1	Card or History	93	12-23 m	3097	83
Hib3	Card	73	12-23 m	-	83
Hib3	Card or History	85	12-23 m	3097	83
MCV	Card	61	12-23 m	-	83
MCV	Card or History	72	12-23 m	3097	83
Pol3	Card	72	12-23 m	-	83
Pol3	Card or History	85	12-23 m	3097	83
YFV	Card	71	12-23 m	-	83
YFV	Card or History	71	12-23 m	3097	83

## 1999 Enquête Démographique et de Santé, Gabon 2000

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Cards seen
BCG	C or H <12 months	88	12-23 m	803	63
BCG	Card	61	12-23 m	803	63
BCG	Card or History	89	12-23 m	803	63
BCG	History	28	12-23 m	803	63
DTP1	C or H <12 months	67	12-23 m	803	63

## Gabon - survey details

DTP1	Card	48	12-23 m	803	63
DTP1	Card or History	69	12-23 m	803	63
DTP1	History	22	12-23 m	803	63
DTP3	C or H <12 months	36	12-23 m	803	63
DTP3	Card	31	12-23 m	803	63
DTP3	Card or History	38	12-23 m	803	63
DTP3	History	6	12-23 m	803	63
MCV	C or H <12 months	44	12-23 m	803	63
MCV	Card	39	12-23 m	803	63
MCV	Card or History	55	12-23 m	803	63
MCV	History	16	12-23 m	803	63
Pol1	C or H <12 months	82	12-23 m	803	63

Pol1	Card	52	12-23 m	803	63
Pol1	Card or History	84	12-23 m	803	63
Pol1	History	32	12-23 m	803	63
Pol3	C or H <12 months	26	12-23 m	803	63
Pol3	Card	27	12-23 m	803	63
Pol3	Card or History	28	12-23 m	803	63
Pol3	History	1	12-23 m	803	63
YFV	C or H <12 months	2	12-23 m	803	63
YFV	Card	11	12-23 m	803	63
YFV	Card or History	24	12-23 m	803	63
YFV	History	13	12-23 m	803	63

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



## Gabon

### 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	64
2003	53
2004	58
2005	58
2006	63
2007	67
2008	73
2009	75
2010	75
2011	75
2012	75
2013	85

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<sup>1</sup> 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.