## MONTHLY IMMUNIZATION UPDATE

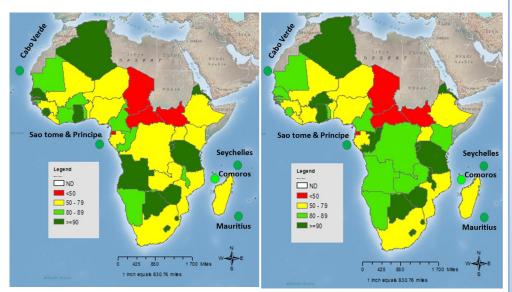
## IN THE AFRICAN REGION

July-August 2015 (Vol 3, issue N° 6) Special issue on WHO/UNICEF Estimates of National Immunization Coverage (WUENIC)

# Coverage of third dose of DTP containing vaccine in AFR, 2013 vs 2014

2013: DTP3 Regional Coverage =76%

2014: DTP3 Regional Coverage =77%



### **Highlights**

According to the 2014 WHO & UNICEF Estimates of National Immunization Coverage (WUENIC), the Regional coverage for DTP3 containing vaccine slightly increased from 76% to 77% between 2013 and 2014. Around 25.3 millions children were vaccinated with DTP3 in 2014 compared to 24.3 million in 2013.

A total of 18 countries reached ≥90% coverage for both years

The coverage increased in 21 countries including in 3 of the 6 priority countries (Ethiopia, DRC & Nigeria).

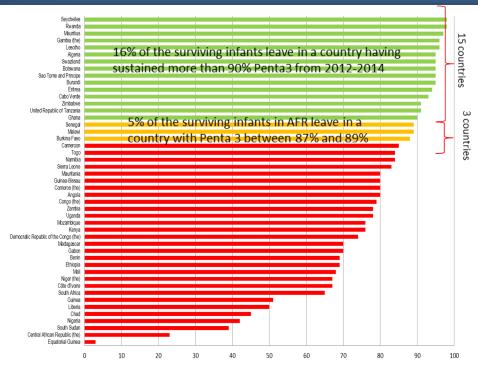
A decrease in the coverage was observed in 17 countries mainly in the 3 Ebola affected countries (Guinea, Liberia & Sierra Leone) as well as in countries like Angola and Cote d'Ivoire, for various reasons including sudden increase in denominator figures and vaccine stock outs respectively.

The coverage in Chad, CAR, Equatorial Guinea and South Sudan remained below 50% for both years.

Source: WHO/UNICEF estimates, August 2014 revision

 $\underline{\text{http://apps.who.int/immunization monitoring/global summary/timeseries/tswucoverage bcg.html}}$ 

## Countries having sustained 3 years of DTP3 containing vaccine coverage of at least 90% (2012-2014)



Source: WHO/UNICEF estimates August 2014 revision

 $\underline{\text{http://apps.who.int/immunization}} \ \, \underline{\text{monitoring/globalsummary/timeseries/tswucoveragebcg.html}} \\$ 

#### **Highlights**

Global & Regional Vaccine Action plans recommend countries to achieve a national coverage ≥ 90% for DTP3 containing vaccine . Analysis of the 2014 WUENIC data show that only 15 out of 47 countries (32%) have been able to meet that target.

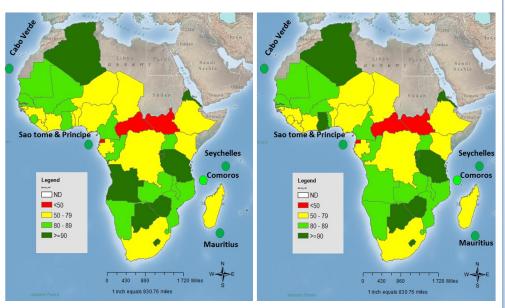
The surviving infants living in those 15 countries represent only 16% of the total regional target population.

The majority of surviving infants in the region still live in countries (32/47) which did not reach the GVAP/RVAP recommended target of ≥90% coverage at national level, denoting persistent iniquities between countries.

Five years through the implementation of GVAP 2011-2020, efforts are very much needed in order to meet and sustain the set goals.

## Coverage of first dose of Measles vaccine (MCV1) in AFR, 2013 vs 2014

2013 Measles 1st dose Regional Coverage =73% 2014 Measles 1st dose Regional Coverage =73%



Source: WHO/UNICEF estimates, August 2014 revision

http://apps.who.int/immunization\_monitoring/globalsummary/timeseries/tswucoveragebcg.html

#### Highlights

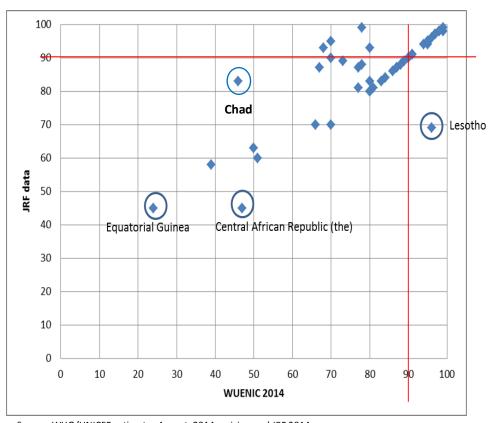
The WUENIC 2014 show that 14/46 countries in the region have reached 90% coverage for the 1st dose of measles containing vaccine (MCV1)

13 countries have sustained 90% coverage during the past 3 years: Mauritius, Tanzania, Seychelles, Rwanda, Botswana, Eritrea, Gambia, Algeria, Burundi, Zimbabwe, Lesotho, Cape Verde & Sao Tome et Principe.

In 16 countries, MCV1 coverage decreased between 2013 & 2014 with significant decrease in 10 countries including the 3 Ebola affected countries (Guinea, Liberia & Sierra Leone) and countries affected by conflicts (South Sudan).

Three countries (CAR, Equatorial Guinea and South Sudan) have reported coverage below 50% for both years.

# Comparison between 2014 DTP3 administrative coverage (JRF) and WUENIC\*



Source: WHO/UNICEF estimates August 2014 revision and JRF 2014 <a href="http://apps.who.int/immunization-monitoring/globalsummary/timeseries/tswucoveragebcg.html">http://apps.who.int/immunization/monitoring/globalsummary/timeseries/tswucoveragebcg.html</a> <a href="http://www.who.int/immunization/monitoring-surveillance/data/en/">http://www.who.int/immunization/monitoring-surveillance/data/en/</a>

#### **Highlights**

Comparative analysis of 2014 DTP3 administrative data (JRF) and WUENIC show similar coverage in 29 countries.

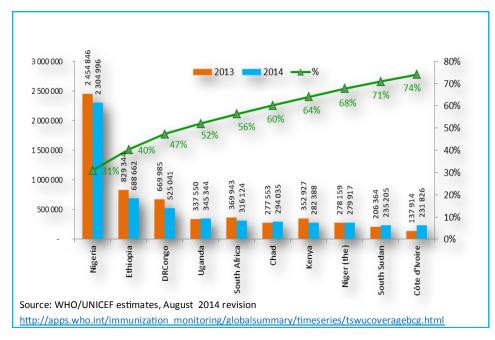
The WUENIC for Lesotho, was higher than the administrative data highlighting possible underreporting from national administrative system.

However, in 17 countries, there was a gap between these 2 sources of data (Administrative data > WUENIC). The highest gap (≥20 points) have been observed in Chad, Niger, South Africa, Equatorial Guinea, Uganda, Benin and Cote d'Ivoire. Moderate gap (>10 and <20) was observed in South Sudan, Madagascar, DRC, Liberia, Ethiopia and Mozambique. Minor gap (≥3 and <10) was observed in Guinea, Guinea Bissau, Mali, Nigeria and .

These 17 countries are encouraged to strengthen their efforts to improve data quality from the level of data generation.

AFRO will continue to provide technical assistance in this process.

## Countries with highest number of DTP3 unimmunized children, 2013-2014



Number under/unvaccinated with DTP3 containing vaccine in AFR:

2013	2014
7 874 033	7 431 256

## **Highlights**

WUENIC data show that an estimated 7.4 millions children were not reached with DTP3 in 2014 compared to 7.8 million in 2013.

Around 75% of these children are located in 10 countries as shown in the beside graph with 50.2% of these children located in 4 countries only (Nigeria, Ethiopia, DRC and Uganda).

Five of these countries are among the AFR priority countries, supported in the development and implementation of national immunization coverage improvement plans with specific strategies to reach the unreached children.

These are collaborative efforts with other immunization partners.

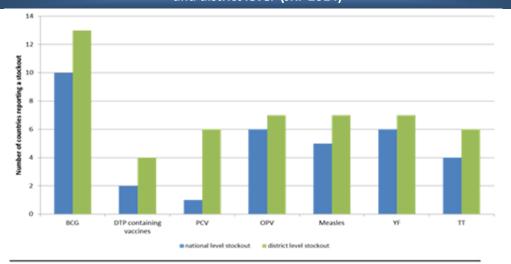
# 2014 WUENIC for all antigens per country in AFR

Country	BCG	Penta3	MCV	1 MC	CV2	OPV3	FYV	PCV3	Rota Last	PAB	Country	BCG	Penta3	MCV1	MCV2	OPV3	FYV	PCV3	Rota Last	PAB	
Algeria	99	95	(	95	99	95				92	Liberia	73	50	58		49	54	45			89
Angola	81	80	{	35		81	77	61	18	3 78	Madagascar	75	73	64		73		72	50		78
Benin	88	70	6	33		72	64	70		93	Malawi	97	91	85		87		87	83		89
Botswana	98	95	(	97	85	96		81	82	92	Mali	79	77	80		84	64	84	13		85
Burkina Faso	98	91		38	17	91	87	91	91	1 89	Mauritania	98	84	84		84		84	5		80
Burundi	92	95		)4	60			95	96	85	Mauritius	97	97	98	85	98					95
Cabo Verde	99	95		93	79					92	Mozambique	93	78	85		78		73			83
Cameroon	82	87	8	30		86	80	87	46	85	Namibia	97	88	83		88					85
CAR	74	47	4	19		47	48	47		60	Niger (the)	76	68	72	3	67	70	13	19		81
Chad	59	46	Ę	54		54	40			60	Nigeria	74	66	51		66	49				55
Compros (the)	76	80	8	30		79				85	Rwanda	99	99	98		99		99	98		90
Congo (the)	95	90	8	30		90	65	69	6(	85	Sao Tome and P.	. 95	95	92	71	95	93	95			
Côte d'Ivoire	84	67	(	33		66	43	2	2	82	Senegal	95	89	80	13	85	80	81			91
DR Congo	90	80	Ī	77		79	65	61		82	Seychelles	98	99	99	98	99					
Equatorial Guinea	71	24		14		30			•	70	Sierra Leone	90	83	78		83	80	83	53	-	85
Eritrea	97	94	. {	96		94			28	94	South Africa	77	70	70	60	71		65	72		80
Ethiopia	75	77	Ī	70		75		76	63	3 80	South Sudan	46	39	22		44				(	64
Gabon	91	70	6	31		68	60			85	Swaziland	99	98	86	89	98		67			88
Gambia (the)	96	96	(	96	73	97	96	96	92	2 92	Togo	97	87	82		85	82	34	35		81
Ghana	99	98		92	67		92	98	98	88	Uganda	93	78	82		82		50			85
Guinea	72	51		52		42	53			80	Tanzania	99	97	99	29	97		93	97		88
Guinea-Bissau	94	80	6	89		78	53			80	Zambia	95	86	85	33	78		77	73		85
Kenya	81	81	ī	79		81	1	81	19	76	Zimbabwe	99	91	92		92		91	48		75
Lesotho	87	96	(	92	82	95				83	AFR	84	77	73	11	77	41	50	30		76

Legend
Objective achieved ( Coverage >=90%)
On track for 2015 objective (Coverage between 87% and 89%)
Not on track for 2015 objective (Coverage below 87%)
Vaccine not in country EPI schedule/NA

Source: WHO/UNICEF estimates, August 2014 revision

# Number of countries that have reported vaccines stock outs (in weeks) at national and district level (JRF 2014)

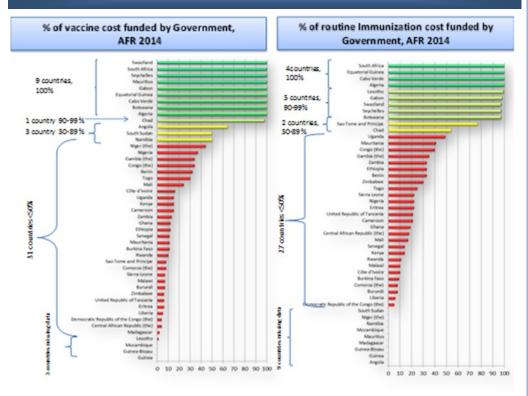


	AFRO	entral	AFR Eas	t & South	AFR West**					
		Duration (average		Duration (average		Duration (average				
	# of countries (%)	in weeks)	# of countries (%)	in weeks)	# of countries (%)	in weeks)				
BCG	2/10 (20)	7	5/20 (25)	7	3/17 (18)	9				
DTP containing vaccines	0		1/20 (5)	1	1/17(6)	28				
PCV	0		0		1/17(6)	9				
OPV	1/10 (10)	4	3/20 (15)	6*	2/17 (12)	10				
Measles	1/10 (10)	1	3/20 (15)	4	1/17(6)	20				
YF	4/10 (40)	4			2/17 (12)	17				
π			1/20 (5)	8	3/17 (18)	12				

<sup>\*</sup> Data on the duration missing from 1 country

Source: JRF 2014, <a href="http://www.who.int/immunization/monitoring">http://www.who.int/immunization/monitoring</a> surveillance/data/en/

## Funding of immunization programmes by Governments in the AFR in 2014



Source: JRF 2014, <a href="http://www.who.int/immunization/monitoring">http://www.who.int/immunization/monitoring</a> surveillance/data/en/

#### **Highlights**

Data reported in the 2014 Joint Reporting form (JRF) show that 20/47countries (43%) in the region reported at least one episode of stock out for a duration of at least one week.

One country reported stock outs for all Vaccines in the national programme (except PCV which was introduced in September 2014).

BCG vaccine has been the most affected antigen for stock out (10 countries), followed by OPV and YF (6 countries).

Most of the stock outs at district level were due to unavailability of vaccines at national level.

Stock outs at district level have probably contributed to the interruption of vaccination sessions at peripheral level and therefore to the non achievements of the set objectives in many countries.

#### **Highlights**

Analysis of 2014 JRF data indicates that 43 countries in the region confirmed having a budget line for vaccine procurement.

Nine countries reported having funded 100% of their vaccine costs. 31 countries are funding <50% of the vaccine cost by their national governments.

The situation is completely different for the total funding of routine Immunization activities funded by national Governments. Only 4 countries have funded 100% of heir RI cost and 27 countries funded <50%.

This situation highlights the need for strong country ownership of immunization programmes in the African region.

Nine countries did not provide this information in their 2014 JRF.

#### Reported RI Coverage and district performance by country in the AFR, Jan-June 2014-2015

			Coverage													DTP3 Containing vaccine districts performance (%)								
Country	Completeness		BCG		OPV3		DTP3		YI		MCV1		П2+		Drop ra DTP1-	te	<50%		50-79%		80-8	9%	>=9	0%
	2014	2015	2014	2015	2014	2015	2014	2015	2014	2015	2014	2015	2014	2015	2014	2015	2014	2015	2014	2015	2014	2015	2014	2015
Angola	100%	93%	90%	77%	89%	87%	89%	85%	92%	84%	101%	87%	30%	75%	9%	13%	5%		32%	29%			53%	
Burundi	100%	100%	84%	84%	94%	92%	95%	92%	NA	NA	99%	97%	87%	78%	3%	4%	0%	2%	27%	23%			56%	
Cameroun	99%	98%	84%	73%	83%	75%	83%	77%		70%	79%	73%	61%	63%		15%	2%	6%	36%		25%			
Centrafrique	81%	86%	59%	50%	58%	41%	51%	43%	61%	41%	71%	47%	52%		13%	23%	52%		30%	41%	7%		11%	7%
Chad	100%	100%	80%	97%	80%	82%	81%	84%	74%	77%	79%	82%	84%		21%	22%	20%	15%	34%	29%		19%	29%	38%
Congo	100%	100%	90% <b>78%</b>	89% 44%	79% 36%	76% 29%	80% 40%	78% 32%	76%	75% 0%	76% 45%	82% 30%	82% 34%	23%	11%	2% 30%	3% 88%	3% 83%	33%	47% 17%	47% 0%	37% 0%	17%	13% 0%
Eq Guinea Gabon	96% 100%	100% 99%	79%	76%	64%	69%	65%	70%	NA 65%		66%	67%	60%	58%		14%	41%		12% 37%	48%			14%	
DRC	99%	99%	82%	88%	88%	88%	89%	90%	65%	84%	86%	89%	86%	88%		9%	6%	5%	21%	28%		24%		43%
S.T. & Princ		100%	98%	92%	83%	90%	83%	90%	91%	78%	86%	95%	74%	80%	7%	-6%	0%	0%	43%	14%			29%	
IST CA	99%	97.8%	83%	83%	86%	84%	86%	85%	72%	80%	86%	84%	72%	80%	11%	11%	10%	12%	27%	33%	20%	19%	43%	35%
Algeria	54%	34%	40%	26%	46%	32%	46%	32%	1270	0070	45%	28%	0%	17%	2%	7%	27%	55%	19%	28%	8%	3%	46%	14%
Benin	100%	100%		104%	98%	95%	98%		100%	94%		94%	76%	60%	6%	8%	1%	0%	11%	15%			64%	
Burkina Faso	100%		107%	87%	99%		100%	90%	99%	89%	99%	88%	82%	69%	7%	1%	0%	0%	2%	17%	14%	35%	84%	48%
Cape Verde	0%	100%	0%	72%	0%	76%		76%		72%	0%	66%				10%		0%		6%		24%		71%
Cote d'Ivoire	100%	100%	86%	62%	84%	78%	86%	82%	72%	29%	75%	74%	80%	62%	21%	21%	0%	0%	29%	43%	38%	33%	33%	24%
Gambia	100%	100%	92%	86%	98%	93%	96%	95%	90%	69%	91%	80%	50%	41%	13%	22%	0%	0%	0%	0%	29%	29%	71%	71%
Ghana	100%	83%	104%	77%	90%	77%	90%	74%	93%	79%	93%	79%	60%	54%	1%	-6%	0%	4%	27%	58%	23%	18%	50%	20%
Guinea	100%	83%	84%	65%	70%	60%	85%	60%	89%	63%	89%	63%	31%	52%	3%	7%	0%	34%	50%	47%	24%	0%	26%	18%
Guinea-Bissau	100%	76%	97%	70%	78%	54%	79%	56%	43%	50%	76%	56%	0%	34%	22%	17%	18%	27%	45%	73%	18%	0%	18%	0%
Liberia	100%	83%	91%	57%	78%	45%	81%	46%	66%	42%	69%	51%	73%	52%	19%	4%	0%	40%	29%	60%	43%	0%	29%	0%
Mali	96%	95%	86%	105%	97%	88%	94%	87%	86%	86%	86%	89%	66%	30%	21%	11%	8%	11%	13%	21%	10%	30%	69%	38%
Mauritania	98%	79%	94%	63%	94%	63%	93%	64%			83%	54%	48%	29%	17%	20%	10%	26%	28%	52%	20%	13%	42%	9%
Niger	100%	100%	105%	110%	96%	99%	99%	98%	96%	98%	97%	100%			9%	8%	2%	0%	14%	27%	7%	18%	76%	55%
Nigeria	96%	89%	97%	91%	46%	89%	97%	89%			104%	93%	55%	42%	2%	5%	6%	9%	18%				64%	
Senegal	100%	100%	87%	85%	90%	99%	91%	99%	73%		72%	80%	69%		20%	17%	7%	0%	29%		16%			68%
Sierra Leone	100%		102%	54%	102%		102%	51%		64%	95%		131%	45%		12%	0%		7%		14%		79%	7%
Togo	100%	66%	88%	51%	84%	52%	87%	52%	85%	52%	85%	52%	83%	49%	6%	5% <b>7%</b>	0%	26%	10%	74%	41%	0%	49%	0%
ISTWA	95%	87%	93%	82%	<b>67%</b> 84%	82%	91%	81%		76%	93%	<b>82</b> %	62%	48%	6%		4%	9% 0%	21%	35%		15%		40%
Botswana Comores	100%	99% 99%	97% 83%	93% <b>75%</b>	79%	83% <b>78%</b>	96% <b>81%</b>	87% 78%	NA NA	NA NA	96% 84%	84%	65% <b>0%</b>	64% 0%	13% 3%	11% -5%	25% 41%	0%	63% <b>59%</b>	33% 41%		17% 29%		50% 29%
Eritrea	100%	100%	70%	78%	76%	79%	76%	79%	NA	NA	74%	77%	0%	0%	2%	2%	50%	12%	41%	41%	7%	9%	2%	38%
Ethiopia	83%	75%	20%	77%	7%		86%	84%	NA	NA	84%	82%	4%	0 70	-6%	5%		24%	37%	21%	0%	8%		47%
Kenya	100%	99%	75%	74%			77%	75%	0%	0%	77%	78%	50%	52%	7%	4%		18%	45%	41%		14%		27%
Lesotho		100%	62%	81%	64%	69%	70%	70%	NA	NA	62%	71%	2070		13%	-5%	60%		40%	60%		30%	0%	0%
Madagascar	100%	47%	79%	34%	80%	31%	80%	32%	NA	NA	82%	32%	52%		11%			82%	25%	17%	0%	1%	0%	0%
Malawi		100%	94%	92%	76%	92%	90%	90%	NA	NA	86%	86%	46%		11%		14%	0%	82%	18%		36%		46%
Mauritius		100%	87%	84%	82%	81%	81%	80%	NA	NA	91%		63%	65%		-10%	40%	0%	60%	60%		30%		10%
Mozambique		100%		103%	94%		96%	94%	NA	NA		87%	0%		13%		20%	3%	75%	13%		15%	1%	70%
Namibia	100%	83%	92%	79%	85%	72%	85%	72%	NA	NA	85%	66%		8%	7%	18%	24%	0%	74%	79%	3%	12%	0%	9%
Rwanda	100%	100%	111%	100%	106%	98%	106%	98%	NA	NA	107%	107%	86%	77%	4%	-5%	0%	0%	87%	3%	13%	33%	0%	63%
Seychelles	100%	100%	97%	113%	89%	94%	89%	94%	0%	0%	96%	97%			-2%	-3%	43%	7%	43%	33%	7%	13%	7%	47%
South Africa	100%	67%	94%	60%	92%	62%	92%	62%	NA	NA	91%	65%			5%	-2%	10%	6%	88%	94%	2%	0%	0%	0%
South Sudan	79%	76%	54%	62%	51%	60%	50%	58%	NA	NA	65%	70%		45%	-2%	-3%	76%	38%	21%	28%	0%	8%	3%	27%
Swaziland	100%	83%	52%	56%	80%	74%	84%	74%	NA	NA	77%	69%	60%	40%	8%	10%	0%	0%	100%	100%	0%	0%	0%	0%
Tanzania	100%	98%	144%	152%	102%	112%	102%	111%	NA	NA	112%	120%	109%	115%	4%	0%	5%	0%	80%	15%	6%	13%	9%	72%
Uganda		100%	90%			107%		99%	NA	NA		88%	56%		11%	17%	9%	0%	68%	10%				70%
Zambia	100%	83%	91%	70%	82%		81%	65%	NA	NA	81%	67%	76%		10%	7%		32%	38%	60%	0%	7%	0%	1%
Zimbabwe	_	100%		97%	95%	90%	95%	90%	NA	NA	98%	90%	5%	31%	4%	7%	8%	0%	83%	19%		37%		44%
IST SE	98%	90%	80%	87%	71%		89%	83%	0%	0%	89%	82%	31%	33%	5%	6%	35%		57%	31%		14%		40%
AFR	97%	91%	86%	84%	72%	82%	89%	83%	75%	72%	90%	83%	50%	48%	7%	7%	16%	12%	35%	33%	14%	16%	35%	39%

#### **Highlights**

Data reported in this issue cover the period January to June 2014/2015. The completeness was 97% and 91% in 2014 & 2015 respectively. Sierra leone, South Africa & Togo reported a completeness <70%. Algeria & Madagascar a completeness less than 50%. The regional administrative reported DTP3-containing vaccine & Measles vaccine coverage was 83% in 2015 for both antigens compared to 89% and 90% respectively in 2014.

A total of 23/47 countries reported a coverage ≥ 80% among which 8 countries with a coverage between 80-89%, and 15 others with a coverage >90%. Five countries reported coverage ≤ 50% ( Algeria, CAR, Equatorial Guinea, Liberia & Madagascar). An overall trend of decline of the vaccine coverage is observed in many countries for the period partly due to low completeness in some countries (Madagascar, South Africa). Few countries have shown some increase of their coverage as is the case in Chad, Gabon , Senegal).