



**YELLOW FEVER  
OUTBREAK IN ANGOLA**  
INCIDENT MANAGEMENT

Vol: 9 -02

SITUATION REPORT W36, 11 Sept 2016

**I. Key Highlights**

- ◆ The last vaccination Campaign round was implemented from 15th to 26th August ; 2,218, 966 persons were vaccinated and mop up vaccination continued until a coverage rate of 95% was achieved.
- ◆ The Ministry of Health is planning a next phase of vaccination from 30 September to 09 October 2016 that include 12 municipalities with a target population of 2,136,225. The vaccine from the ICG is expected to arrive in the country in the coming days.
- ◆ A total of 26 national and international health professionals from the Ministry of Health and partners in the Incident Management team; three drivers are ready to be deployed to support the preparation of the next phase of vaccination in 9 targeted provinces.

**II. Epidemiological Situation as of 11 September 2016**

⇒ **Week 36 statistics (5—11 September 2016):**

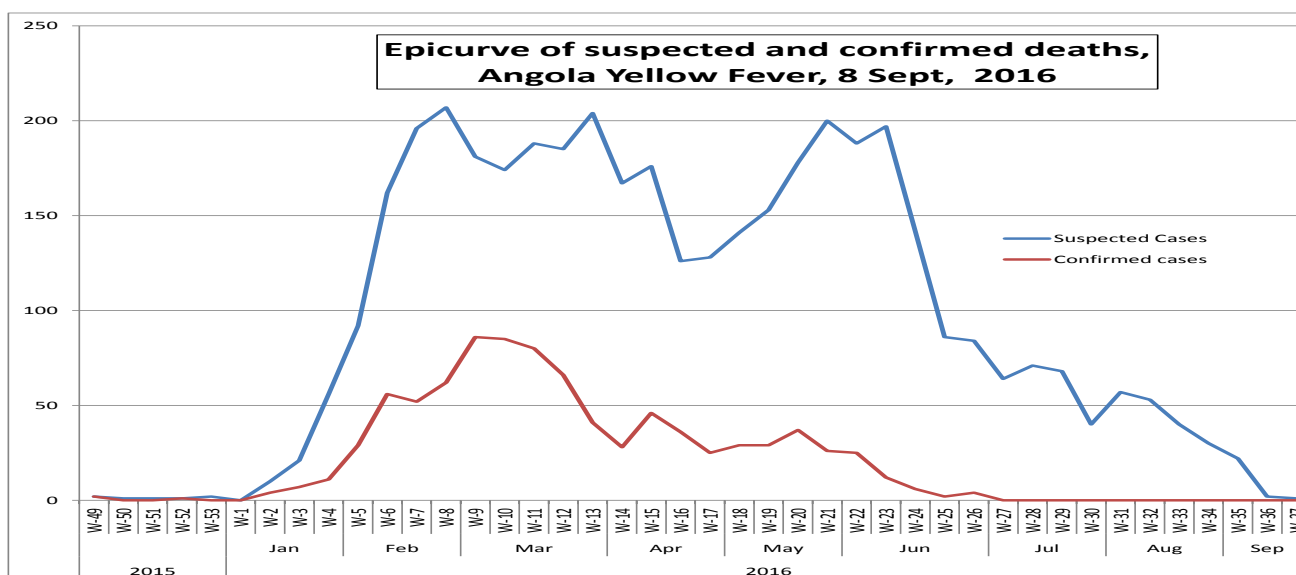
- ◆ Of 35 suspected cases reported and tested by the National Laboratory, four samples were positive at laboratory: two of these cases had vaccination antecedent and were discarded as yellow fever cases. The two other cases are under investigation; both cases are coming from already vaccinated districts.
- ◆ **One(1)** death was reported among the suspected cases during this period.
- ◆ Eighteen (18) districts in 8 provinces reported suspected cases of yellow fever. No district reported new confirmed local transmission.

⇒ **Cumulative statistics since 05 December 2015:**

- ◆ A total of **884 laboratory confirmed cases** have been reported out of **4 100** suspected cases and **3 577** laboratory samples tested
- ◆ Overall, **373 (CFR = 9.2%)** deaths were reported among suspected cases and **121 (CFR 13.7%)** among confirmed cases
- ◆ Laboratory confirmed cases have been reported for **16** out of **18** provinces in **80** out of **134** districts.
- ◆ The last confirmed cases had a date of onset on 23 June 2016 from Cunene and Cuanza Norte provinces
- ◆ Vaccination campaigns have been completed in 73 districts with a cumulative number of 16,002,820 people vaccinated (95%) of the target population.

**Table 1: National Summary of Yellow Fever Outbreak**

Yellow Fever Outbreak Summary 05 — 11 Sep 2016, (W36)	
Reported cases	35
Samples tested	35
Confirmed cases	0
Total Deaths	1
Total provinces that reported cases	8
New provinces with confirmed cases	0
Total districts with reported cases	18
New districts with confirmed cases	0
New districts with documented local transmission	0
Yellow Fever Outbreak Summary from 5 Dec 2015— 11 Sep 2016	
Total cases reported to central level	4,100
Total Samples Tested	3,577
Total confirmed cases	884
Total deaths	373
Total deaths among confirmed cases	121
Total provinces that have reported cases	18
Total provinces with confirmed cases	16
Total districts that have reported cases	134
Total districts with confirmed cases	80
Total provinces with documented local transmission	12
Total districts with documented local transmission	45
Total number of provinces in Angola	18
Total number of districts in Angola	166



Source: MoH, Angola

YELLOW FEVER OUTBREAK WEEKLY SITUATION REPORT, INCIDENT MANAGEMENT TEAM—ANGOLA

Fig.2. Yellow Fever Suspected and Confirmed Cases -Lunda  
5 Dec 2015— 08 Sep 2016

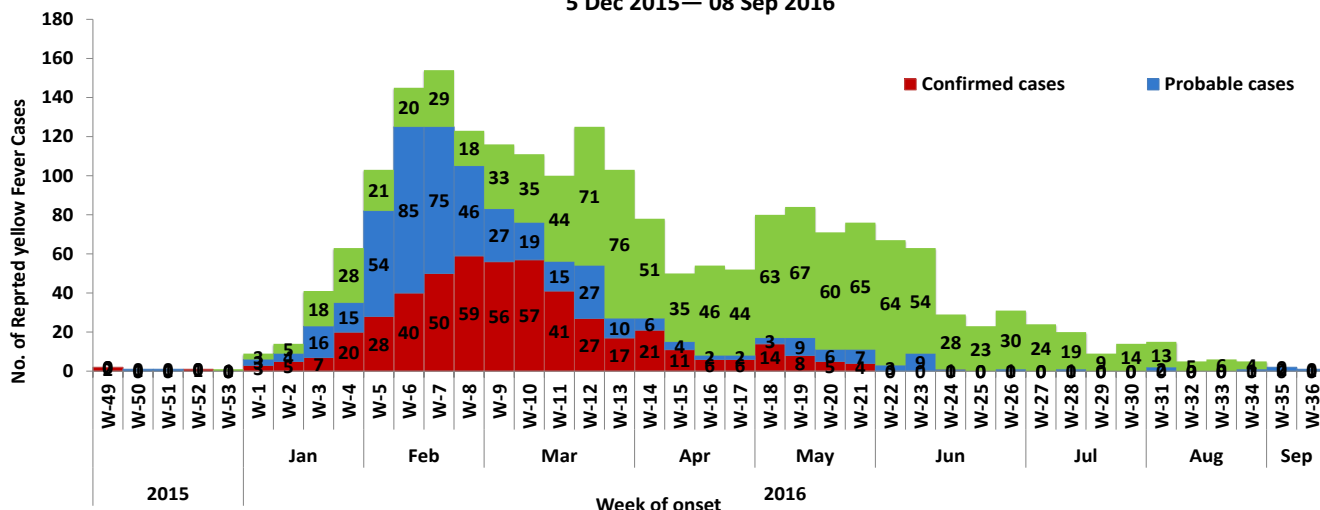


Fig.3 Yellow Fever Suspected and Confirmed Cases - Huambo  
5 Dec 2015— 08 Sep 2016

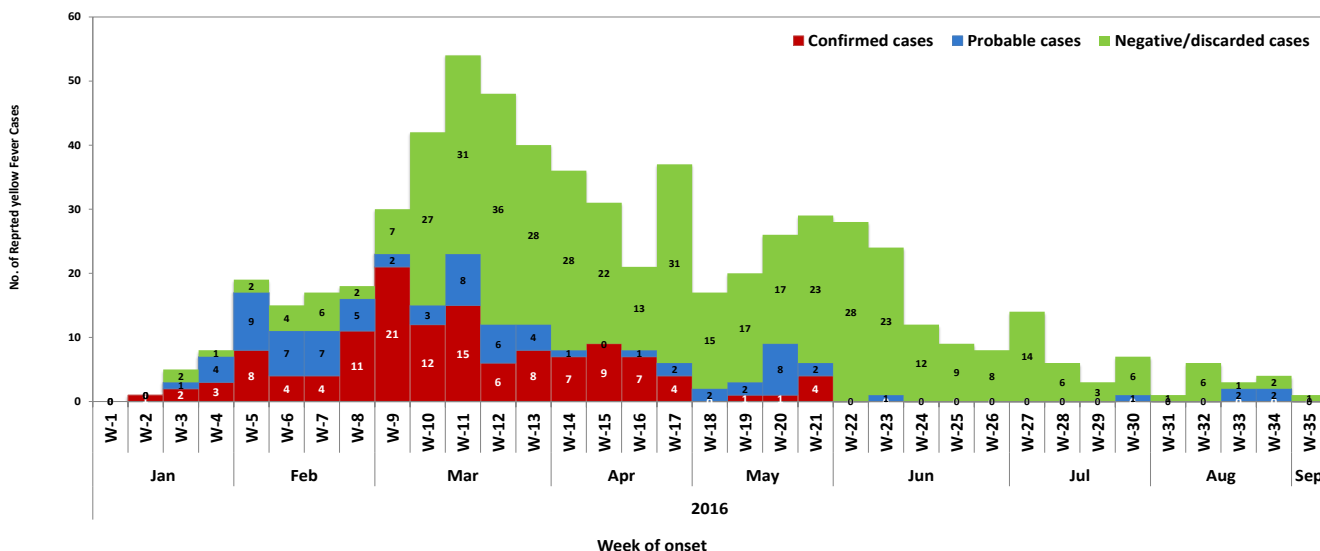
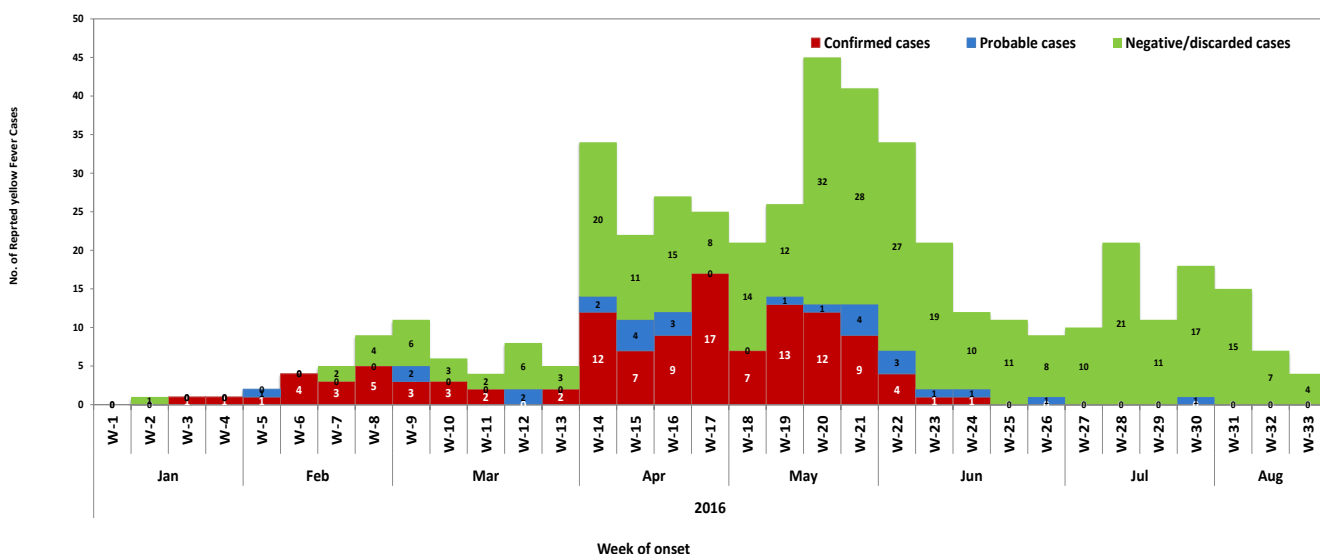


Fig.1. Yellow Fever Suspected and Confirmed Cases - Benguela  
5 Dec 2015— 08 Sep 2016



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Table 2. Provinces with Yellow Fever Laboratory Confirmation up to 11 Sep, 2016

Province	Cumulative (5 Dec 2015— 25 Aug 2016)					Discarded, Lab with Vacc. History
	Notified Cases	Tested		Confirmed		
		No	%	No	%	
LUANDA	2072	1710	83	488	24	126
HUAMBO	641	585	91	128	20	29
BENGUELA	471	452	96	117	25	23
CUANZA SUL	175	171	98	16	9	0
HUILA	148	100	68	33	22	1
UIGE	97	94	97	9	9	0
CUANZA NORTE	91	81	89	11	12	1
CUNENE	78	77	99	16	21	1
LUNDA NORTE	77	76	99	26	34	1
CABINDA	49	43	88	1	2	0
ZAIRE	47	39	83	6	13	1
BIE	40	38	95	16	40	0
MALANGE	34	33	97	7	21	0
BENGO	28	28	100	7	25	0
MOXICO	15	15	100	0	0	0
LUNDA SUL	14	13	93	0	0	1
NAMIBE	14	14	100	2	14	0
CUANDO CUBANGO	9	8	89	1	11	0
<b>TOTAL</b>	<b>4100</b>	<b>3577</b>	<b>87</b>	<b>884</b>	<b>22</b>	<b>184</b>

Fig.5: Districts with confirmed cases/high risk of yellow fever and already Vaccinated Districts (Green) in Angola, 5 Dec 2015— 11 Sept 2016

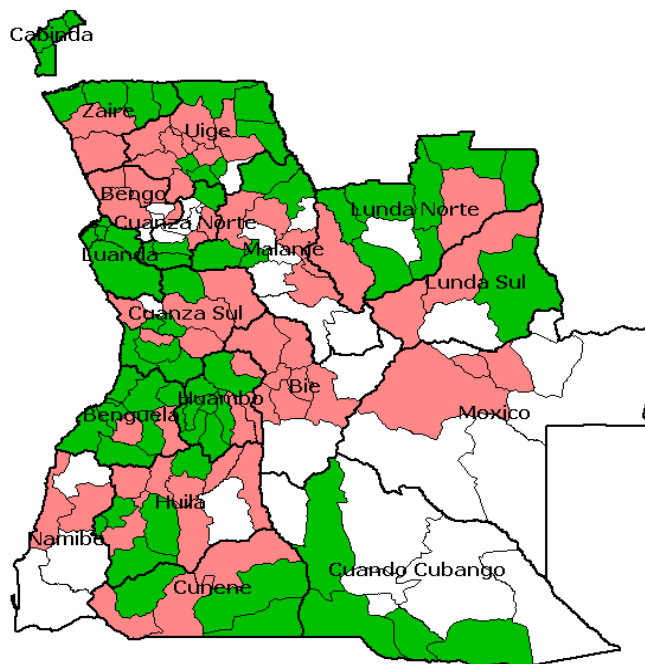
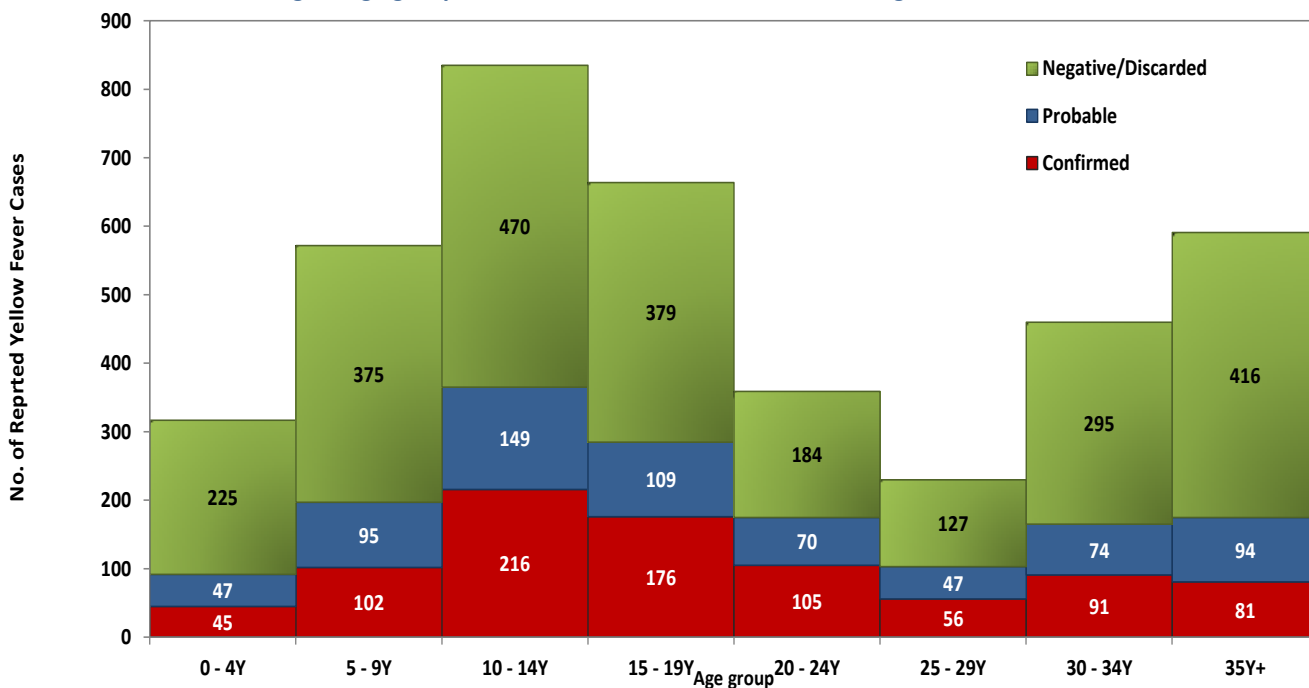


Fig. 6. Age group distribution of Yellow Fever cases in Angola



Source: MoH, Angola

## YELLOW FEVER OUTBREAK WEEKLY SITUATION REPORT, INCIDENT MANAGEMENT TEAM—ANGOLA

**Table 3.1: Yellow Fever Reported and Confirmed Cases per Angola Provinces and Districts, 2016; 5 Dec 2015— 11 Sep 2016**

Province	Cases notified during the			Cumulative Cases			Documented Local Transmission	Date of onset first confirmed case	Date of onset last confirmed case	Date of onset of first suspected case*	Date of onset of last suspected case*	Date of Notification of last suspected case*	Date of last report at central level	Average days of reporting delay	
	Reported	Confirmed	Deaths	Reported	Confirmed	Deaths									
Belas	1	0	0	242	54	26	Y	15/01/16	26/05/16	10/01/16	28/08/16	01/09/16	07/09/16	3	
Cacuaco	2	0	0	244	78	22	Y	28/01/16	12/05/16	28/01/16	02/09/16	06/09/16	07/09/16	2	
Cazenga	3	0	0	460	109	34	Y	18/01/16	27/05/16	18/01/16	05/09/16	07/09/16	08/09/16	2	
Icolo e Bengo	0	0	0	7	1	0	Y	08/03/16	08/03/16	18/01/16	16/06/16	20/06/16	21/06/16	3	
Ingombota	0	0	0	18	4	0	Y	01/02/16	15/03/16	01/02/16	27/06/16	04/07/16	15/07/16	2	
Kilamba xiayi	0	0	0	273	68	20	Y	06/12/15	18/05/16	06/12/15	19/08/16	24/08/16	24/08/16	3	
Maianga	1	0	0	126	28	11	Y	08/02/16	26/05/16	12/01/16	24/08/16	31/08/16	02/09/16	2	
Quissama	0	0	0	1	1	0	N	24/04/16	24/04/16	24/04/16	26/04/16	26/04/16	27/04/16	1	
Rangel	0	0	0	47	14	2	Y	29/01/16	02/05/16	10/01/16	26/07/16	02/08/16	19/08/16	3	
Samba	0	0	0	26	5	2	Y	10/02/16	11/05/16	09/01/16	04/08/16	10/08/16	12/08/16	2	
Sambizanga	0	0	0	102	31	13	Y	23/01/16	21/05/16	23/01/16	06/08/16	15/08/16	18/08/16	4	
Viana	2	0	0	526	95	86	Y	05/12/15	14/05/16	05/12/15	31/08/16	05/09/16	07/09/16	2	
<b>LUANDA</b>	<b>9</b>	<b>0</b>	<b>0</b>	<b>2072</b>	<b>488</b>	<b>216</b>	<b>Y</b>	<b>05/12/15</b>	<b>27/05/16</b>	<b>05/12/15</b>	<b>05/09/16</b>	<b>07/09/16</b>	<b>08/09/16</b>	<b>2</b>	
Ambriz	0	0	0	4	1	0	N	04/04/16	04/04/16	04/04/16	20/06/16	24/06/16	30/06/16	4	
Bula Atumba	0	0	0	1	0	0	N				07/03/16	11/03/16	14/03/16	3	
Dande	0	0	0	16	6	1	N	05/02/16	19/05/16	05/02/16	19/07/16	02/08/16	03/08/16	6	
Nambuanguongo	0	0	0	7	0	0	N				23/03/16	15/06/16	01/07/16	8	
<b>BENGO</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>28</b>	<b>7</b>	<b>1</b>	<b>N</b>	<b>05/02/16</b>	<b>19/05/16</b>	<b>05/02/16</b>	<b>19/07/16</b>	<b>02/08/16</b>	<b>03/08/16</b>	<b>6</b>	
Baia Farta	0	0	0	26	10	5	Y	08/04/16	01/06/16	07/04/16	06/08/16	11/08/16	18/08/16	7	
Balombo	0	0	0	30	8	2	Y	22/04/16	30/05/16	14/04/16	02/06/16	10/06/16	10/06/16	10	
Benguela	0	0	0	235	63	22	Y	15/02/16	13/06/16	15/02/16	15/08/16	24/08/16	27/08/16	8	
Bocoio	0	0	0	6	1	0	N	02/05/16	02/05/16	08/04/16	20/06/16	04/07/16	14/07/16	8	
Caimbambo	0	0	0	6	1	0	N	26/02/16	26/02/16	26/02/16	26/06/16	30/06/16	14/07/16	6	
Catumbela	0	0	0	48	8	2	Y	15/04/16	26/05/16	21/02/16	17/08/16	23/08/16	27/08/16	9	
Chongoroi	0	0	0	6	5	1	Y	26/02/16	25/05/16	26/02/16	25/05/16	30/05/16	05/06/16	6	
Cubal	0	0	0	10	4	1	Y	05/02/16	03/06/16	16/01/16	01/08/16	15/08/16	18/08/16	6	
Ganda	0	0	0	10	3	0	N	10/02/16	28/02/16	10/02/16	20/08/16	26/08/16	30/08/16	7	
Lobito	0	0	0	94	14	6	Y	22/01/16	19/05/16	22/01/16	12/08/16	17/08/16	24/08/16	8	
<b>BENGUELA</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>471</b>	<b>117</b>	<b>39</b>	<b>Y</b>	<b>22/01/16</b>	<b>13/05/16</b>	<b>16/01/16</b>	<b>20/08/16</b>	<b>26/08/16</b>	<b>30/08/16</b>	<b>8</b>	
Andulo	0	0	0	17	6	1	N	14/02/16	27/03/16	14/02/16	09/08/16	17/08/16	22/08/16	7	
Camacupa	0	0	0	4	1	0	N	19/03/16	19/03/16	19/03/16	17/08/16	23/08/16	28/08/16	5	
Catabola	0	0	0	2	0	0	N				29/05/16	10/06/16	20/06/16	4	
Chinguar	0	0	0	7	3	0	N	02/02/16	22/05/16	30/01/16	24/06/16	29/06/16	04/07/16	6	
Cuito	0	0	0	6	4	1	N	30/01/16	18/04/16	30/01/16	23/08/16	23/08/16	28/08/16	6	
Cunhinga	0	0	0	3	1	0	N	01/03/16	01/03/16	28/02/16	09/04/16	10/04/16	18/04/16	7	
Nharea	0	0	0	1	1	0	N	22/02/16	22/02/16	22/02/16	22/02/16	22/02/16	04/03/16	11	
<b>BIE</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>40</b>	<b>16</b>	<b>2</b>	<b>N</b>	<b>30/01/16</b>	<b>22/05/16</b>	<b>30/01/16</b>	<b>20/08/16</b>	<b>23/08/16</b>	<b>28/08/16</b>	<b>6</b>	
Belize	1	0	0	2	0	0	N				24/05/16	15/08/16	24/08/16	08/09/16	4
Buco Zau	0	0	0	1	0	0	N				20/01/16	30/01/16	30/01/16	0	0
Cabinda	2	0	0	46	1	1	N	25/01/16	25/01/16	01/01/16	27/08/16	05/09/16	08/09/16	7	
<b>CABINDA</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>49</b>	<b>1</b>	<b>1</b>	<b>N</b>	<b>25/01/16</b>	<b>25/01/16</b>	<b>01/01/16</b>	<b>27/08/16</b>	<b>05/09/16</b>	<b>08/09/16</b>	<b>7</b>	
Menongue	0	0	0	9	1	1	Y	18/04/16	18/04/16	15/02/16	28/06/16	05/07/16	12/07/16	7	
<b>CUANDO CUBANGO</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>9</b>	<b>1</b>	<b>1</b>	<b>Y</b>	<b>18/04/16</b>	<b>18/04/16</b>	<b>15/02/16</b>	<b>28/06/16</b>	<b>05/07/16</b>	<b>12/07/16</b>	<b>7</b>	
Ambaca	0	0	0	37	2	0	N	21/03/16	10/06/16	03/02/16	20/07/16	15/08/16	19/08/16	11	
Cambambe	0	0	0	11	1	1	Y	23/06/16	23/06/16	12/02/16	07/08/16	11/08/16	16/08/16	9	
Cazengo	0	0	0	38	8	9	Y	23/02/16	14/06/16	28/01/16	01/08/16	02/08/16	12/08/16	17	
Lucala	0	0	0	4	0	0	N				09/02/16	28/07/16	04/08/16	06/08/16	17
Samba Caju	0	0	0	1	0	0	N				19/05/16	19/05/16	09/06/16	09/06/16	0
<b>CUANZA NORTE</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>91</b>	<b>11</b>	<b>10</b>	<b>Y</b>	<b>23/02/16</b>	<b>23/06/16</b>	<b>28/01/16</b>	<b>15/08/16</b>	<b>15/08/16</b>	<b>19/08/16</b>	<b>14</b>	
Ambom	2	0	0	17	2	1	Y	23/01/16	05/04/16	23/01/16	28/08/16	05/09/16	07/09/16	6	
Cassongue	0	0	0	4	2	0	Y	02/02/16	02/02/16	02/02/16	15/06/16	17/06/16	25/06/16	13	
Cela	1	0	0	8	1	0	N	04/02/16	04/02/16	04/02/16	15/08/16	25/08/16	05/09/16	5	
Conda	3	0	0	13	0	0	N				24/04/16	28/08/16	06/09/16	07/09/16	6
Ebo	1	0	0	54	4	1	Y	17/01/16	16/04/16	17/01/16	25/08/16	27/08/16	05/09/16	7	
Libolo	0	0	0	5	1	1	Y	05/04/16	05/04/16	05/02/16	09/08/16	12/08/16	19/08/16	6	
Mussende	1	0	0	3	0	0	N				26/02/16	26/08/16	02/09/16	02/09/16	4
Porto amboim	0	0	0	15	0	2	N				03/02/16	09/08/16	09/08/16	23/08/16	4
Quibala	1	0	0	5	0	0	N				27/03/16	15/08/16	26/08/16	05/09/16	8
Quilenda	0	0	0	10	0	0	N				23/04/16	11/08/16	16/08/16	26/08/16	6
Seles	0	0	0	23	5	2	Y	05/02/16	11/05/16	05/02/16	16/07/16	19/07/16	24/07/16	6	
Sumbe	0	0	0	18	1	2	Y	02/03/16	02/03/16	07/02/16	18/08/16	22/08/16	26/08/16	4	
<b>CUANZA SUL</b>	<b>9</b>	<b>0</b>	<b>0</b>	<b>175</b>	<b>16</b>	<b>9</b>	<b>Y</b>	<b>17/01/16</b>	<b>11/05/16</b>	<b>17/01/16</b>	<b>28/08/16</b>	<b>06/09/16</b>	<b>07/09/16</b>	<b>6</b>	
Cahama	0	0	0	21	5	0	Y	28/02/16	13/05/16	28/02/16	10/07/16	17/07/16	09/08/16	12	
Cuanhama	0	0	0	34	6	2	Y	24/02/16	23/06/16	03/02/16	18/08/16	18/08/16	01/09/16	16	
Curoca	0	0	0	3	0	0	N				06/03/16	01/05/16	02/05/16	25/05/16	12
Cuvelai	0	0	0	4	0	0	N				02/04/16	03/08/16	09/08/16	15/08/16	8
Namacunde	0	0	0	3	0	0	N				13/07/16	19/08/16	21/08/16	01/09/16	24
Ombadja	0	0	0	13	5	1	N	01/02/16	17/04/16	01/02/16	08/07/16	12/07/16	21/07/16	7	
<b>CUNENE</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>78</b>	<b>16</b>	<b>3</b>	<b>Y</b>	<b>01/02/16</b>	<b>23/06/16</b>	<b>01/02/16</b>	<b>19/08/16</b>	<b>21/08/16</b>	<b>01/09/16</b>	<b>12</b>	
Bailundo	0	0	0	118	11	4	Y	05/02/16	24/03/16	01/02/16	25/08/16	29/08/16	31/08/16	5	
Caala	0	0	0	96	25	7	Y	28/01/16	16/05/16	21/01/16	24/07/16	02/08/16	06/08/16	4	
Catchungo	0	0	0	34	2	0	N	18/03/16	29/04/16	07/03/16	14/07/16	18/07/16	24/07/16	5	
Ecinha	0	0	0	71	21	4	Y	17/01/16	24/05/16	17/01/16	28/05/16	28/05/16	01/06/16	4	
Huambo	1	0	0	190	42	12	Y	20/01/16	29/05/16	20/01/16	20/08/16	31/08/16	05/09/16	4	
Londumbale	0	0	0	42	7	7	Y	17/02/16	27/04/16	20/01/16	08/08/16	10/08/16	20/08/16	5	
Longonjo	0	0	0	25	10	4	N	09/02/16	15/04/16	09/02/16	11/07/16	12/07/16	18/07/16	7	
Mungo	0	0	0	19	2	2	N	06/02/16	01/03/16	31/01/16	29/07/16	01/08/16	04/08/16	5	
Tchikala tchologanga	0	0	0	16	3	0	N	16/03/16	07/04/16	15/03/16	23/08/16	24/08/16	27/08/16	4	
Tchinjenje	3	0	0	12	1	0	N	01/04/16	01/04/16	24/03/16	28/08/16	30/08/16	05/09/16	5	
Ukuma	1	0	0	18	4	4	Y	22/02/16	19/04/16	22/02/16	29/08/16	31/08/16	05/09/16	4	
<b>HUAMBO</b>	<b>5</b>	<b>0</b>	<b>0</b>	<b>641</b>	<b>128</b>	<b>44</b>	<b>Y</b>	<b>17/01/16</b>	<b>29/05/16</b>	<b>17/01/16</b>	<b>29/08/16</b>	<b>31/08/16</b>	<b>05/09/16</b>	<b>5</b>	
Cacoda	0	0	0	29	10	4	Y	05/01/16	30/03/16	05/01/16	18/07/16	23/07/16	29/07/16	11	
Cacula	0	0	0	8	4	1	N	23/02/16	15/05/16	15/02/16	17/05/16	19/05/16	28/05/16	6	
Caluquembe	0	0	0	11	2	6	N</								

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Table 3.2: Yellow Fever Reported and Confirmed Cases per Angola Provinces and Districts, 2016; 5 Dec 2015— 11 Sept 2016

Province	Cases notified during the			Cumulative Cases			Documented Local Transmission	Date of onset first confirmed case	Date of onset of last confirmed case	Date of onset of first suspected case*	Date of onset of last suspected case*	Date of Notification of last suspected case*	Date of last report at central level	Average days of reporting delay
	Reported	Confirmed	Deaths	Reported	Confirmed	Deaths								
Cambulo	0	0	0	5	0	0	N			08/03/16	31/07/16	03/08/16	15/08/16	15
Capenda Camulemba	1	0	0	8	0	0	N			05/06/16	26/08/16	28/08/16	05/09/16	6
Chitato	0	0	0	26	1	1	N	08/05/16	08/05/16	31/03/16	13/07/16	15/07/16	24/07/16	11
Cuango	0	0	0	32	24	8	Y	02/05/16	06/06/16	02/05/16	06/06/16	11/06/16	17/06/16	7
Cuiló	0	0	0	1	1	0	N	20/05/16	20/05/16	20/05/16	20/05/16	01/06/16	10/06/16	9
Lucapa	0	0	0	2	0	0	N			11/04/16	28/06/16	18/07/16	30/07/16	19
Xa Muteba	0	0	0	3	0	0	N			10/02/16	29/05/16	08/06/16	13/06/16	20
<b>LUNDA NORTE</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>77</b>	<b>26</b>	<b>9</b>	<b>Y</b>	<b>02/05/16</b>	<b>06/06/16</b>	<b>10/02/16</b>	<b>26/08/16</b>	<b>28/08/16</b>	<b>05/09/16</b>	<b>10</b>
Cacolo	0	0	0	3	0	0	N			26/05/16	16/07/16	23/07/16	25/07/16	3
Muconda	0	0	0	3	0	0	N			22/05/16	21/07/16	23/07/16	27/07/16	4
Saurimo	0	0	0	8	0	0	N			07/03/16	07/08/16	10/08/16	12/08/16	3
<b>LUNDA SUL</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>14</b>	<b>0</b>	<b>0</b>	<b>N</b>			<b>07/03/16</b>	<b>07/08/16</b>	<b>10/08/16</b>	<b>12/08/16</b>	<b>3</b>
Cacuso	0	0	0	5	2	0	Y	21/04/16	09/06/16	10/03/16	10/06/16	20/06/16	26/06/16	9
Cahombo	0	0	0	1	1	1	N	20/03/16	20/03/16	20/03/16	20/03/16	22/03/16	31/03/16	9
Calandula	0	0	0	4	0	1	N			03/03/16	30/05/16	31/05/16	06/06/16	5
Cambundi Catembo	0	0	0	1	0	1	N			15/05/16	15/05/16	23/05/16	28/05/16	5
Cangandala	0	0	0	2	0	0	N			10/07/16	20/07/16	05/08/16	12/08/16	7
Cunda Dia Baze	0	0	0	1	0	0	N			11/08/16	11/08/16	14/08/16	19/08/16	6
Luquembo	0	0	0	2	0	0	N			25/07/16	29/07/16	08/08/16	12/08/16	6
Malange	0	0	0	15	3	0	Y	21/02/16	19/05/16	09/02/16	13/07/16	19/07/16	21/07/16	4
Marimba	0	0	0	1	0	0	N			06/06/16	06/06/16	30/06/16	30/06/16	0
Massango	0	0	0	1	0	0	N			17/08/16	17/08/16	22/08/16	29/08/16	
Quela	0	0	0	1	1	0	N	07/05/16	07/05/16	07/05/16	07/05/16	14/05/16	18/05/16	4
<b>MALANGE</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>34</b>	<b>7</b>	<b>3</b>	<b>Y</b>	<b>21/02/16</b>	<b>09/06/16</b>	<b>09/02/16</b>	<b>17/08/16</b>	<b>22/08/16</b>	<b>29/08/16</b>	<b>5</b>
Alto Zambeze	1	0	0	2	0	0	N			14/08/16	16/08/16	30/08/16	06/09/16	5
Camanonogue	0	0	0	2	0	0	N			14/08/16	23/08/16	25/08/16	27/08/16	5
Cameia	0	0	0	5	0	0	N			08/04/16	04/08/16	05/08/16	22/08/16	7
Leua	0	0	0	1	0	0	N			26/04/16	26/04/16	02/05/16	07/05/16	5
Luau	3	0	0	3	0	0	N			22/08/16	26/08/16	29/08/16	06/09/16	
Moxico	0	0	0	2	0	0	N			02/04/16	09/05/16	16/05/16	19/05/16	2
<b>MOXICO</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>15</b>	<b>0</b>	<b>0</b>	<b>N</b>			<b>02/04/16</b>	<b>26/08/16</b>	<b>30/08/16</b>	<b>06/09/16</b>	<b>5</b>
Bibala	0	0	0	1	0	0	N			02/06/16	02/06/16	09/06/16	16/06/16	7
Namibe	0	0	0	13	2	1	N	17/04/16	14/05/16	07/03/16	16/06/16	24/06/16	05/07/16	5
<b>NAMIBE</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>14</b>	<b>2</b>	<b>1</b>	<b>N</b>	<b>17/04/16</b>	<b>14/05/16</b>	<b>07/03/16</b>	<b>16/06/16</b>	<b>24/06/16</b>	<b>05/07/16</b>	<b>6</b>
Ambuíla	0	0	0	5	0	0	N			02/06/16	02/06/16	12/06/16	17/06/16	5
Bembe	0	0	0	4	0	0	N			15/05/16	20/07/16	23/07/16	03/08/16	7
Buengas	0	0	0	2	0	0	N			30/04/16	16/07/16	28/07/16	07/08/16	7
Bungo	0	0	0	1	0	0	N			21/02/16	21/02/16	17/03/16	20/03/16	3
Damba	1	0	0	14	0	0	N			30/03/16	25/08/16	27/08/16	02/09/16	6
Maquela do zombo	0	0	0	1	0	1	N			16/02/16	16/02/16	22/02/16	22/02/16	0
Milungu	0	0	0	6	0	0	N			29/06/16	13/08/16	16/08/16	25/08/16	13
Mucaba	0	0	0	1	0	0	N			12/05/16	12/05/16	17/05/16	21/05/16	4
Negage	0	0	0	18	3	0	Y	03/02/16	15/05/16	03/02/16	04/08/16	07/08/16	19/08/16	4
Puri	0	0	0	2	1	0	N	10/05/16	10/05/16	10/05/16	16/06/16	27/06/16	05/07/16	6
Quimbele	0	0	0	5	0	0	N			02/03/16	08/07/16	12/07/16	18/07/16	5
Quitexe	0	0	0	2	0	0	N			19/04/16	13/07/16	18/07/16	22/07/16	7
Sanza pombo	0	0	0	3	0	0	N			03/05/16	26/06/16	09/07/16	16/07/16	7
Songo	0	0	0	4	0	0	N			27/05/16	14/08/16	19/08/16	25/08/16	4
Uíge	0	0	0	29	5	4	Y	02/02/16	08/05/16	15/01/16	21/07/16	28/07/16	03/08/16	5
<b>UÍGE</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>97</b>	<b>9</b>	<b>5</b>	<b>Y</b>	<b>02/02/16</b>	<b>15/05/16</b>	<b>15/01/16</b>	<b>25/08/16</b>	<b>27/08/16</b>	<b>02/09/16</b>	<b>5</b>
Cuimba	3	0	1	5	1	3	N	24/03/16	24/03/16	24/03/16	26/08/16	30/08/16	03/09/16	11
Mbanza congo	0	0	0	14	0	0	N			06/02/16	11/08/16	18/08/16	22/08/16	11
Noqui	0	0	0	3	0	0	N			19/02/16	29/07/16	04/08/16	10/08/16	23
Nzeto	0	0	0	2	1	0	N	05/02/16	05/02/16	05/02/16	08/02/16	12/02/16	02/03/16	10
Soyo	0	0	0	21	4	3	Y	10/02/16	22/06/16	10/02/16	09/07/16	12/07/16	20/07/16	4
Tomboco	0	0	0	2	0	0	N			16/06/16	16/06/16	20/06/16	27/06/16	4
<b>ZAIRE</b>	<b>3</b>	<b>0</b>	<b>1</b>	<b>47</b>	<b>6</b>	<b>6</b>	<b>Y</b>	<b>05/02/16</b>	<b>22/06/16</b>	<b>05/02/16</b>	<b>26/08/16</b>	<b>30/08/16</b>	<b>03/09/16</b>	<b>8</b>
Angola	35	0	1	4100	884	373	Y	05/12/15	23/06/16	05/12/15	05/09/16	07/09/16	08/09/16	4

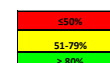
\* 1. For cases with date of onset

New districts notifying a	New districts with confirmed	New documented local transmission this week
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YELLOW FEVER OUTBREAK WEEKLY SITUATION REPORT, INCIDENT MANAGEMENT TEAM—ANGOLA

Table 4. Distribution of Yellow Fever Vaccination Coverage in Angola as of 09 Sep 2016

Province	Target Population	Start of Campaign	Vaccinated	Coverage%
Baia Farta	103,623	16-May-16	105,116	101%
Balombo	99,932	16-May-16	101,700	102%
Benguela	598,902	12-Apr-16	563,250	94%
Bocoio	155,397	30-Jun-16	138,747	89%
Catumbela	173,601	13-Apr-16	188,421	109%
Chongoroi	81,977	30-Jun-16	85,175	104%
Cubal	289,703	16-May-16	297,264	103%
Lobito	335,601	13-Apr-16	356,144	106%
<b>Benguela</b>	<b>1,838,736</b>		<b>1,835,817</b>	<b>100%</b>
Belize	19,574	15-Aug-16	21,780	111%
Buco Zau	34,051	15-Aug-16	33,000	97%
Cabinda	601,892	15-Aug-16	603,328	100%
Cacongo	37,004	15-Aug-16	38,877	105%
<b>Cabinda</b>	<b>692,521</b>		<b>696,985</b>	<b>101%</b>
Dirico	14,691	8-Aug-16	7,474	51%
Calai	20,364	8-Aug-16	16,973	83%
Cuangar	27,503	8-Aug-16	23,339	85%
Menongue	308,509	16-Aug-16	331,991	108%
<b>Quando Cubango</b>	<b>371,067</b>		<b>379,777</b>	<b>102%</b>
Cazengo	166,860	30-Jun-16	142,561	85%
Cambambe	89,498	15-Aug-16	74,639	83%
<b>Cuanza Norte</b>	<b>256,358</b>		<b>217,200</b>	<b>85%</b>
Amboim	236,339	16-May-16	228,060	96%
Cassongue	145,579	16-May-16	135,907	93%
Ebo	159,024	16-May-16	159,495	100%
Libolo	85,630	16-May-16	88,897	104%
Seles	176,058	16-May-16	170,883	97%
Sumbe	269,341	17-May-16	191,089	71%
<b>Cuanza Sul</b>	<b>1,071,971</b>		<b>974,331</b>	<b>91%</b>
Cahama	69,519	22-Jun-16	65,132	94%
Cuanhama	362,710	22-Jun-16	329,772	91%
Namacunde	144,624	17-ago-16	88,524	61%
<b>Cunene</b>	<b>576,853</b>		<b>483,428</b>	<b>84%</b>
Bailundo	283,887	16-May-16	270,735	95%
Caala	268,734	13-Apr-16	222,811	83%
Ekunha	79,334	16-May-16	75,022	95%
Huambo	689,301	13-Apr-16	558,150	81%
Londumbali	125,214	2-Jul-16	114,709	92%
Longonjo	87,329	2-Jul-16	88,892	102%
Ukuma	42,950	16-May-16	47,348	110%
Tchindjenje	28,371	17-ago-16	28,909	102%
<b>Huambo</b>	<b>1,605,120</b>		<b>1,406,576</b>	<b>88%</b>
Caconda	160,892	16-May-16	167,102	104%
Gambos	76,456	29-Jun-16	81,982	107%
Humpata	83,267	28-Jun-16	83,731	101%
Lubango	736,077	17-ago-16	737,475	100%
Quipungo	147,818	16-May-16	168,781	114%
<b>Huila</b>	<b>1,204,510</b>		<b>1,239,071</b>	<b>103%</b>
Belas	1,071,662	19-Feb-16	1,292,404	121%
Cacuaco	887,829	29-Feb-16	776,075	87%
Cazenga	867,659	29-Feb-16	825,793	95%
Icolo e Bengo	75,103	28-Mar-16	46,309	62%
Ingombota	89,556	24-Mar-16	65,083	73%
K. Kiaxi	640,006	10-Mar-16	241,812	38%
Maianga	660,884	14-Mar-16	489,998	74%
Quissama	25,240	28-Mar-16	15,572	62%
Rangel	136,031	28-Mar-16	48,021	35%
Samba	160,174	24-Mar-16	58,535	37%
Sambizanga	433,970	20-Mar-16	146,149	34%
Viana	1,535,102	2-Feb-16	2,130,549	139%
<b>Luanda</b>	<b>6,583,216</b>		<b>6,136,300</b>	<b>93%</b>
Capenda Camulemba	54,098	2-Jul-16	46,528	86%
Caungula	27,266	2-Jul-16	20,967	77%
Cambulo	113,570	15-Jul-16	110,714	97%
Chitato	196,869	11-Jun-16	203,794	104%
Cuango	174,429	4-Jun-16	187,504	107%
Cuilo	19,841	1-Jul-16	17,479	88%
<b>Lunda Norte</b>	<b>586,073</b>		<b>586,986</b>	<b>100%</b>
Muconda	35,469	16-Aug-16	33,061	93%
<b>Lunda Sul</b>	<b>35,469</b>		<b>33,061</b>	<b>93%</b>
Cacuso	71,981	8-Jul-16	60,852	85%
Malange	489,867	14-Jul-16	396,547	81%
Marimba	27,241	16-Aug-16	24,703	91%
Massango	32,811	16-Aug-16	33,429	102%
<b>Malange</b>	<b>621,900</b>		<b>515,531</b>	<b>83%</b>
Maquela do Zombo	123,073	1-Jul-16	117,896	96%
Milunga	48,454	15-Aug-16	52,815	109%
Negage	136,323	16-May-16	129,732	95%
Puri	35,710	23-Jun-16	36,137	101%
Quimbele	130,192	15-Aug-16	138,419	106%
Uige	496,567	16-May-16	624,138	126%
<b>Uige</b>	<b>970,319</b>		<b>1,099,137</b>	<b>113%</b>
Noqui	22,966	15-Aug-16	22,505	98%
Mbanza Congo	174,920	15-Aug-16	147,578	84%
Cuimba	65,011	15-Aug-16	58,344	90%
Soyo	219,536	16-Jun-16	168,537	77%
<b>Zaire</b>	<b>482,433</b>		<b>396,964</b>	<b>82%</b>
<b>TOTAL</b>	<b>16,896,546</b>		<b>16,001,164</b>	<b>95%</b>



### III. Response Interventions

#### *IM/Coordination*

- ◆ The IM Team is ready to support the upcoming vaccination campaign in 12 districts located in 9 provinces with 26 professional staff ready to deploy and support the preparation of the vaccination campaign scheduled to initiate on September 30th.
- ◆ The team continues to support the surveillance of Febrile Encephalitis Syndrome, two teams were deployed to Benguela and Bengo provinces according to MoH directives; the surveillance tools were developed with IM assistance. The IM team also supported other provinces in designing the ToR of the teams being deployed in this vaccination campaign round.

#### *Surveillance, Laboratory and Data management -*

- ◆ Four cases positive laboratory tests were registered: two cases, one each from district of Soyo (Zaire Province) and Tchindjenje (Huambo Province); the cases were discarded due to previous history of vaccination. Two other cases with positive test in districts of Capenda Camulemba (Lunda Norte) and Tchindjenje (Huambo province) are currently under investigation. The activity will be carried out by provincial teams with support from IM epidemiologists. An important antecedent is that in both districts vaccination campaign was already implemented in July and August
- ◆ The investigation of 23 clinical records of encephalitis cases at National Hospital Americo Boavida, discarded the presence of AEFI (**Adverse events following immunization**) cluster in the first semester of 2016. However, 7 cases were identified to have had clinical descriptions corresponding to the Acute Encephalitis Syndrome.
- ◆ WHO provided the MOH with blood specimen collection kits and cold boxes to support transportation of samples to the laboratory for tests.

#### *Vaccination -*

- ◆ The remaining 1.9 M doses of YF vaccine approved by the ICG are pending to arrive in Angola next week
- ◆ The Ministry of Health is preparing a new phase of vaccination from 30 September to 09 October 2016 in 12 more municipalities with a target population of 2,136,225
- ◆ Vaccination campaigns have been completed in 73 municipalities, with a cumulative 16,002,820 (95%) people of the target population vaccinated.

#### *Logistics.-*

- ◆ Four international and three national technical staff have been deployed to support the preparation of the next phase of vaccination in seven of the nine targeted provinces.
- ◆ The current stock of Yellow Fever vaccine in the country is 1,144,031 doses, distributed as follows, 319,160 doses at central store, 621,440 doses at provincial level and 203,431 doses at district level. Some of these doses have been redistributed to complement the total amount required for the coming vaccination phase, the remaining are allocated for the routine immunization needs
- ◆ The needed vaccination materials for the next vaccination campaign round will deplete routine immunization stocks. It is a priority to replenish the material ASAP

#### *Border Health*

- ◆ Border Health/IHR MOH team will continue the weekly meetings
- ◆ Mapping and prioritization of Point of Entries identifying 6 of them in ports/airport pending to complete the land ones in eight provinces
- ◆ WHO, National Public Health Institute, Inspector General of Health, Provincial Health department, Airport Health Authority and the National Civil Aviation Authority conducted a joint multisector visit to the International Airport in Lunda. The purpose of the visit was to observe the current status of core capacity at PoE in terms of strengths and weaknesses, as well as, identifying areas for improvement and make recommendations. The visit also allowed verifying the current SOPs for entry and exiting screening of the International Certificate of Yellow Fever vaccination as a follow-up of the initial assessment visit on April 2016.

***Social Mobilization, Risk Communication and Media—No update received***

- ◆ UNICEF recruited Social Mobilization team of five professionals to support the activities related to YF epidemic, Drought Emergency, and other public health priorities in the provinces of Cabinda, Huila, Cuanza Norte, Cunene and Uige
- ◆ Coordination of vaccination campaign support in Cunene and Namibe provinces where drought emergency project is still being implemented, activities are linked to social mobilization and distribution of kits of water disinfectants (by WASH); FAO is following up distribution of seeds. The coordinators supporting to improve the vaccination with synchronized campaign.
- ◆ The need for transport and megaphones to increase the efficiency of Red Cross volunteers for the oncoming vaccination campaigns have been identified
- ◆ Minister of Health will be updating the public on the current situation of yellow fever outbreak in a press conference next week

***Case Management :***

- ◆ MSF presented a final report to MOH and end to Yellow Fever case management support. This support was provided to all YF referral Hospitals identified in Luanda, Huambo and Benguela for the management of severe cases. MSF support was crucial in the pillar of case management.

***Vector Control -***

- ◆ The MoH with support of three entomologists of Cuban Cooperation and a vector control professional will complete the entomologic assessment of five provinces without previous vector control activities.
- ◆ There was a presentation of the assessment of entomologic risk as well vector control priorities at country level. Main points are: - persistence of *Aedes aegypti* infestation in this dry season is present in provinces of the littoral where storage of water is performed in open containers (from pipes and truck sources). Luanda and Benguela are the main areas in this group, - intense decrease of vector density in East and Central provinces due to the intense absence of rain and where storage of water is made in closed recipients

***Special Studies and Assessments***

- ◆ INE accepted the protocol prepared by the IM team and will collaborate to follow up the implementation of the coverage survey to be implemented in selected districts of the country. The Vaccination Coverage Cluster Survey planning is progressing as expected with support of INE for methodology and sampling frame.

**V. Key challenges**

- ◆ Timely allocation of funds to mobilize the teams to the provinces
- ◆ Achieve an adequate preparation to guarantee a sound microplanning, cold chain minimal condition, complete the vaccination teams, identify early low performance districts to identify a rapid response in the political, operational or technical assistance in order to guarantee a successful campaign
- ◆ The development of the coverage survey is crucial as this data is needed for risk assessment of Luanda and Benguela provinces to guarantee that no large transmission to other countries occur.
- ◆ There is a need to sustain fundraising to complete key activities of outbreak response

***For further information please contact:***

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