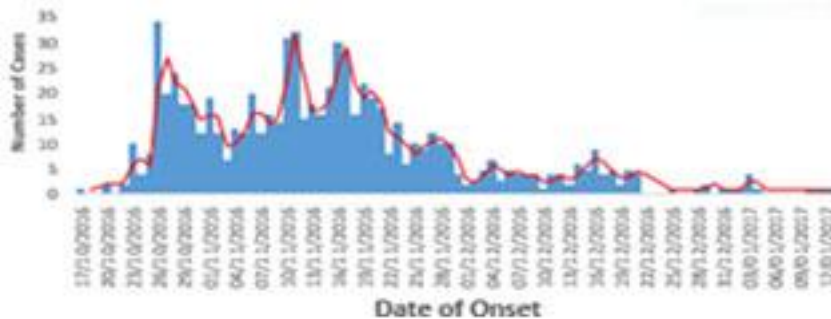




# Ghana Weekly Epidemiological Report



## IN THIS ISSUE

- Volta Region tops regional list on performance reporting for first time in the year
- Timeliness and completeness of reporting for all notifiable conditions for the Week were 97.5% and 97.8% respectively

VOLUME 3  
**WEEK**  
**31**  
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## Acknowledgement

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## Summary of Weekly Epidemiological Data for Week 31, 2018

### Weekly Spotlight:

- Volta Region tops regional list on performance reporting for first time in the year
- Timeliness and completeness of reporting for all notifiable conditions for the Week were 97.5% and 97.8% respectively

### SUMMARY OF PRIORITY DISEASES AND EVENTS

The total all-cause weekly notifiable disease morbidity for Week 31 was 2,561 with one death from Human Rabies and two deaths from meningitis. Influenza-Like Illnesses and Acute watery diarrhoea in persons aged >5 years accounted for 95% of cases reported. (See Figure 1 and Annex 1,).

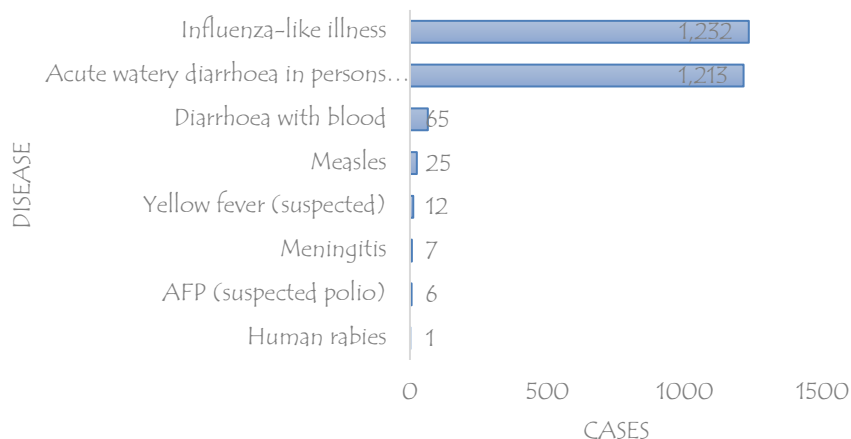


Figure 1: Reported number of cases for notifiable diseases, Ghana, Week 31, 2018

### REGIONAL PERFORMANCE BASED ON REPORTING

The Volta Region was the best performing region with a perfect mean score of 100%, whilst Central Region had the lowest mean score of 81.4%. All regions achieved the expected target (47.7%) for percentage of districts reporting Measles and Yellow Fever [Table 1].

Timeliness and completeness of reporting for all notifiable conditions for the Week were 97.5% and 97.8% respectively. Five regions namely; Brong-Ahafo, Eastern, Northern, Upper East and Volta all scored 100% for both indicators.

Table 1: Ranking of Regional Performance based on selected Surveillance reporting indicators, Ghana, Week 31, 2018

Region	Timeliness (%) Week 31 A	Completeness (%) Week 31 B	Cum. AFP Cases Week 31	AFP Annualized Non-Polio AFP Rate	AFP Score (%) C	Measles % District reporting D	YF % District reporting E	Average Score % (A+B+C+D+E)/5	Position
Volta	100	100	30	3.8	100	100.0	100.0	100.0	1st
Western	99.7	99.9	52	6.3	100	100.0	86.4	97.2	2nd
Brong-Ahafo	100	100	55	6.7	100	100.0	81.5	96.3	3rd
Eastern	100	100	31	3.4	100	100.0	76.9	95.4	4th
Upper East	100	100	6	2.0	100	92.3	84.6	95.4	4th
Greater Accra	96.4	96.4	56	3.1	100	100.0	81.3	94.8	6th
Northern	100	100	43	4.5	100	76.9	80.8	91.5	7th
Ashanti	99.7	100	23	1.3	64	80.0	76.7	84.1	8th
Upper West	92.7	92.7	11	4.8	100	72.9	54.5	82.6	9th
Central	79.3	82.6	19	2.2	100	80.0	65.0	81.4	10th
<b>Ghana</b>	<b>97.5</b>	<b>97.8</b>	<b>326</b>	<b>3.5</b>	<b>100</b>	<b>90.2</b>	<b>80.1</b>	<b>93.1</b>	

ACUTE RESPIRATORY INFECTION SURVEILLANCE

**Influenza-Like Illness (IDSR Weekly Report)**

During the week, 1,232 cases were recorded across the country [Table 2]. Three districts namely; Kumasi, New Juaben and Komenda-Edina-Eguafo-Abirem accounted for 67% of the total cases recorded. There was an outbreak of ARI in KEEA which was investigated. H1N1 was isolated.

Table 2: Reported Influenza-Like Illness cases by Region and District, Ghana, Week 31, 2018

Region	Districts	Cases	Deaths	Region	Districts	Cases	Deaths
Ashanti	Adansi South	8	0	Greater Accra	Accra	23	0
	Bekwai	12	0		Ga East	34	0
	Ejisu-Juaben	58	0		Ga West	37	0
	Kumasi	222	0		La-Dade-Kotopon	3	0
Brong-Ahafo	Sunyani	12	0		Ledzokuku-Krowor	28	0
Central	Komenda-Edina-Eguafo-Abirem	381	0		Shai Osudoku	88	0
Eastern	New Juaben	220	0		Tema	90	0
Upper East	Bolgatanga	5	0		<b>Total</b>	<b>1,232</b>	<b>0</b>
	Kassena Nankana	4	0				
Volta	Ketu South	7	0				

**Sentinel Sites Reporting**

A total of 2,598 cases of Influenza-Like Illnesses (ILI) and 537 Severe Acute Respiratory Infections (SARI) have been recorded to date from all 29 sentinel sites across the country. The predominant virus subtype identified in circulation for both ILI and SARI cases was H1N1 (264). Three cases of H3N2 have been recorded so far with all three cases recorded by the Medical Reception Station in Tamale (Table 3).

Table 3: Confirmed ILI and SARI cases from Sentinel sites, Ghana, 2018

Region	Sentinel Site	ILI					SARI				
		Cases	H1N1	H3N2	Flu B Yam	Flu B VIC	Cases	H1N1	H3N2	Flu B Yam	Flu B VIC
Ashanti	Kumasi South Hospital	156	20	0	19	0	106	14	0	5	0
	4 Medical Reception Station	176	18	0	15	0	35	7	0	1	0
Brong-Ahafo	3 Medical Reception Station	105	5	0	7	0	10	2	0	1	0
	Sunyani Municipal Hospital	157	10	0	13	0	53	5	0	7	0
Central	Central Regional Hospital	40	3	0	5	0	2	0	0	0	0
Eastern	Army Recruit Training	105	5	0	0	0	1	0	0	0	0
	Koforidua Regional Hospital	134	15	0	9	1	34	2	0	1	0
Greater Accra	37 Military Hospital	144	5	0	3	2	10	1	0	0	0
	Achimota Hospital	167	12	0	9	0	16	2	0	0	0
	Dua Clinic	3	3	0	0	0	0	0	0	0	0
	Legon Hospital	30	3	0	1	0	1	0	0	0	0
	Manhean Health Centre	74	14	0	3	0	0	0	0	0	0
	Ningo-Prampram Polyclinic	15	0	0	3	0	4	0	0	0	0
	Ridge Hospital	167	2	0	1	0	41	4	0	1	1
	Shai-Osudoku Hospital	36	7	0	2	0	24	5	0	2	0
	Tema Polyclinic	3	1	0	0	0	0	0	0	0	0
	Northern	Airborne Force Medical	29	2	0	4	0	0	0	0	0
6 Medical Reception Station		145	13	3	11	0	3	1	0	0	0
Tamale Teaching Hospital		39	6	0	1	0	22	1	0	0	0
Upper East	Bolga Regional Hospital	111	24	0	7	0	46	4	0	5	0
	War Memorial Hospital	52	1	0	1	0	7	0	0	0	0
Upper West	Upper West Regional Hospital	39	1	0	6	0	2	0	0	0	0
Volta	7 Medical Reception Station	74	5	0	3	0	0	0	0	0	0
	Ketu South Municipal Hospital	118	6	0	1	0	25	4	0	0	0
	Volta Regional Hospital	89	7	0	2	0	1	1	0	0	0
	2 Medical Reception Station	137	0	0	6	0	0	0	0	0	0
Western	Airforce Medical Centre	60	6	0	4	0	1	0	0	0	0
	Effia Nkwanta Hospital	103	2	0	0	0	93	6	0	2	0
	Naval Sick Bay	90	9	0	13	0	0	0	0	0	0
<b>Ghana</b>		<b>2,598</b>	<b>205</b>	<b>3</b>	<b>149</b>	<b>3</b>	<b>537</b>	<b>59</b>	<b>0</b>	<b>25</b>	<b>1</b>

**MEASLES**

Twenty-Five suspected cases of Measles were reported during the week [Table 4]. Samples were taken and sent to the National Public Health Reference Laboratory [NPHRL] for investigations with the results still pending.

**Table 4: Suspected Measles cases by Region and District, Ghana, Week 31, 2018**

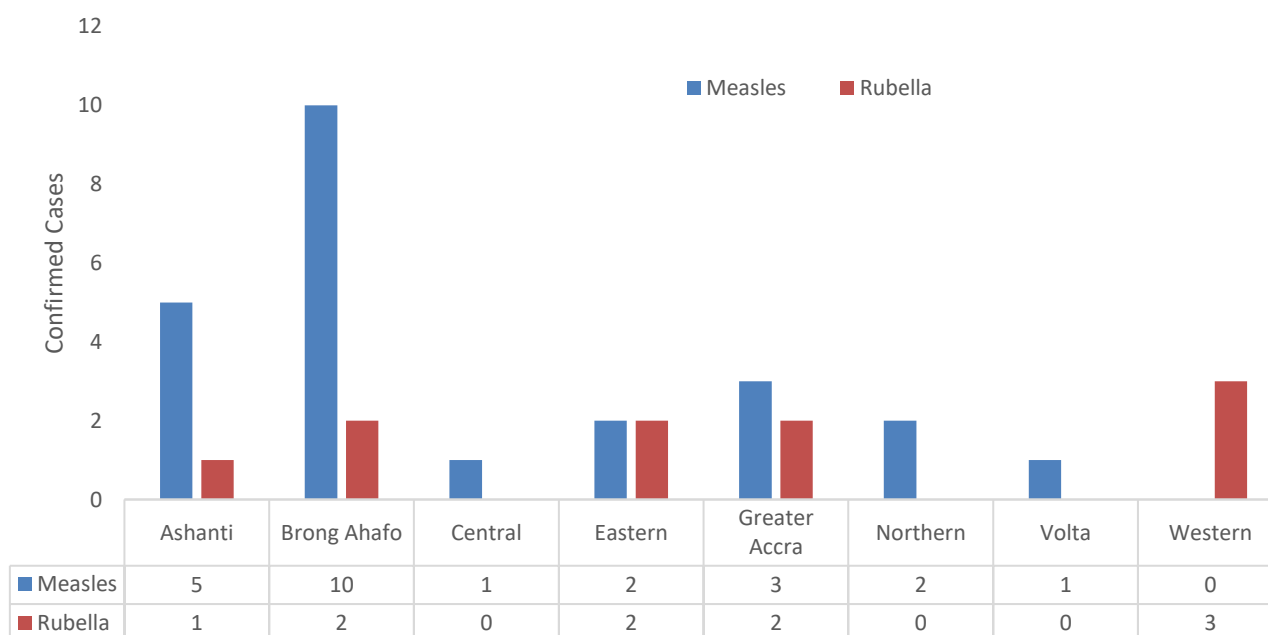
Region	Districts	Cases	Deaths
Ashanti	Adansi South	1	0
	Ahafo-Ano North	2	0
	Amansie Central	1	0
	Offinso North	1	0
	Sekyere South	1	0
	Sekyere-Kumawu	1	0
Brong-Ahafo	Atebubu-Amanten	1	0
	Kintampo North	1	0
	Nkoranza South	1	0
	Sunyani	1	0
	Tano South	1	0
	Techiman South	1	0
Central	Abura-Asebu-Kwamankese	1	0
Eastern	Akyemansa	2	0
	Asuogyaman	1	0
	Nsawam Adoagyiri	1	0
Greater Accra	Kpone-Katamanso	1	0
	Tema	1	0
Upper East	Bolgatanga	1	0
Volta	North Tongu	1	0
Western	Jomoro	1	0
	Sefwi-Wiawso	1	0
	Tarkwa-Nsuaem	1	0
<b>Total</b>		<b>25</b>	<b>0</b>

**Summary on Measles Indicators, Week 1 – 31**

As at Week 31, 199 out of the 216 (92.1%) districts in the country have recorded at least one case of suspected cases of Measles. Brong-Ahafo region has recorded the highest number suspected cases (477) with the Upper West region recording the least number of suspected cases (19) [Table 5]. A total of 24 cases have been confirmed positive for Measles with Brong-Ahafo recording 42% (10) of total. Ten of these cases were confirmed for Rubella and were recorded in the Western (3), Brong-Ahafo (2), Eastern (2), Greater Accra (2) and Ashanti (1) regions [Figure 2].

**Table 5: Suspected cumulative Measles cases by Region and District, Ghana, Week 31, 2018**

Regions	No. of Districts	Reporting at Least 1 Suspected	No. of Cases Reported	No. Negative	Pending Lab Results
Ashanti	30	27	127	100	21
Brong-Ahafo	27	27	477	424	41
Central	20	15	44	39	4
Eastern	26	26	151	128	19
Greater Accra	16	16	179	147	27
Northern	26	21	71	64	5
Upper East	13	12	24	21	3
Upper West	11	8	19	18	1
Volta	25	25	162	141	20
Western	22	22	166	152	11
<b>Ghana</b>	<b>216</b>	<b>199</b>	<b>1420</b>	<b>1234</b>	<b>152</b>



**Figure 2: Confirmed Cases of Measles and Rubella by regions, Ghana, Week 1-31, 2018**

**DIARRHOEA ABOVE FIVE YEARS**

Over the past three epidemiologic weeks, there has been a steady decline in diarrhoea cases recorded across the country. [Figure 1].

**CHOLERA**

In Week 31, there was no case of cholera reported.

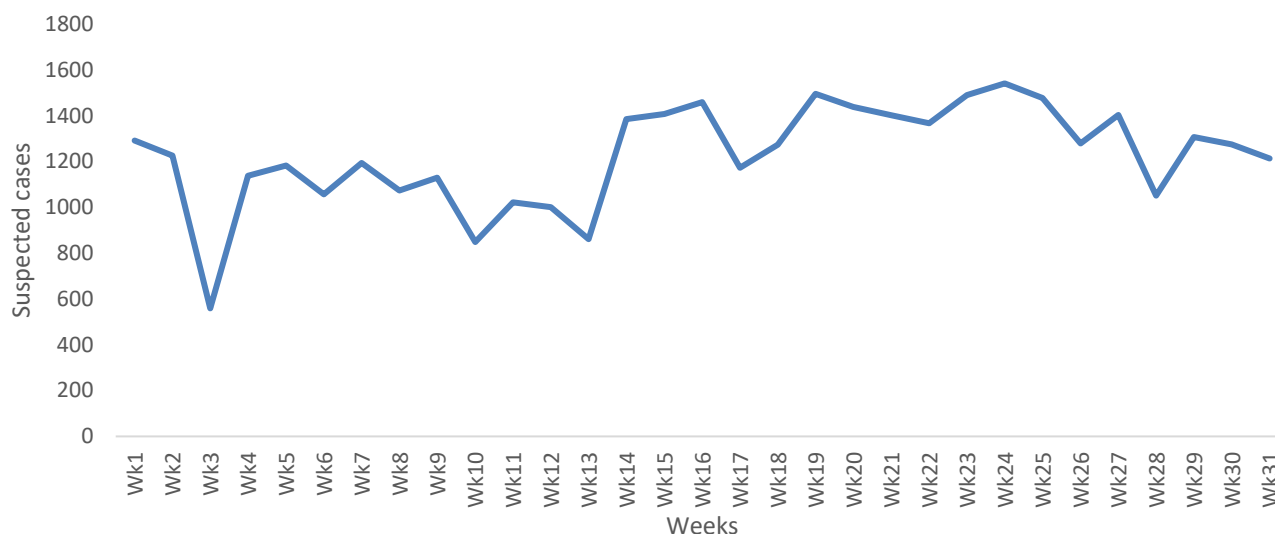


Figure 2: Weekly Trends in Diarrhoea cases among 5 years and above in Ghana, Week 1 – 31, 2018

**HUMAN RABIES**

For Week 31, one case of Human Rabies was reported from Bongo district in the Upper East Region. Investigation is ongoing

Table 6: Suspected Poliomyelitis cases and deaths by Region and District, Ghana, Week 31, 2018

Region	Districts	Cases	Deaths
Ashanti	Sekyere Central	1	0
Brong-Ahafo	Jaman South	1	0
Greater Accra	Shai Osudoku	2	0
Volta	Akatsi North	1	0
	Kadjebi	1	0
<b>Total</b>		<b>6</b>	<b>0</b>

**ACUTE FLACCID PARALYSIS (SUSPECTED POLIOMYELITIS)**

Six cases of Acute Flaccid Paralysis (AFP) were reported in week 31 [Table 6]. Stool specimens obtained for respective cases tested negative for wild polio virus at the Noguchi Memorial Institute for Medical Research Polio Laboratory.

**Summary on Acute Flaccid Paralysis (AFP) Indicators, Week 1 – 31**

All regions have achieved the annualised Non-Polio AFP rate of 2.0 per 100,000 population less than 15 years as at the end of Week 31 except the Ashanti region [Table 7].

Table 7: Summary on Acute Flaccid Paralysis, Ghana, Week 1 - 31, 2018

Region	Population Under 15 years	Expected AFP for the year	Reported AFP	Compatible	Discarded	Annualized Non-Polio AFP Rate	% Timely Stools	% Adequate Stools
Ashanti	2,484,707	50	23	0	19	1.3	95.7	73.9
Brong-Ahafo	1,164,263	23	55	1	46	6.7	90.9	81.8
Central	1,180,617	24	19	1	16	2.2	89.5	89.5
Eastern	1,305,965	26	31	0	26	3.4	90.3	90.3
Greater Accra	2,085,500	42	56	2	39	3.1	82.1	80.4
Northern	1,308,970	26	43	0	35	4.5	97.7	93.0
Upper East	483,561	10	6	0	6	2.0	100.0	100.0
Upper West	342,806	7	11	0	10	4.8	100.0	100.0
Volta	1,083,971	22	30	1	25	3.8	86.7	86.7
Western	1,169,233	23	52	2	43	6.3	92.3	75.0
<b>Ghana</b>	<b>12,609,592</b>	<b>252</b>	<b>326</b>	<b>7</b>	<b>265</b>	<b>3.5</b>	<b>90.8</b>	<b>84.0</b>

**MATERNAL DEATHS**

No maternal death was recorded for the week under review.

**NEONATAL TETANUS**

No case of Neonatal Tetanus was reported in Week 31

**MENINGITIS**

Seven cases of meningitis were recorded with two deaths. No district was in either alert or epidemic phase for meningitis during the Week [Table 9]. Lumbar puncture was done and all tested negative.

Table 8: Meningitis Cases and Deaths, Ghana, Week 31, 2018

Region	Districts	Cases	Deaths
Eastern	New Juaben	3	0
Greater-Accra	Ashaiman	1	0
Northern	East Mamprusi	1	1
Upper West	Nandom	1	1
	Sissala West	1	0
<b>Total</b>		<b>7</b>	<b>2</b>

**YELLOW FEVER**

A total of 12 suspected cases of Yellow Fever were reported across the country in Week 31 with Volta region recording 41% (5) of the total [Table 9]. All cases tested negative at the National Public Health Reference Laboratory. Yellow Fever testing has resumed.

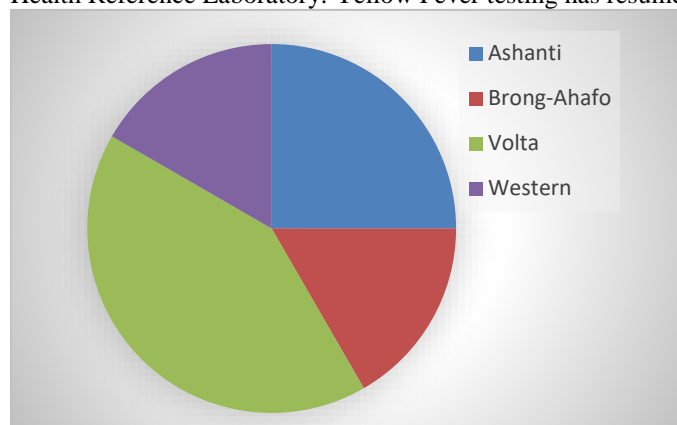


Figure 3: Distribution of Yellow Fever Cases by regions, Ghana, Week 31, 2018

**ANNEX 1: SUMMARY OF REPORTED CASES/ EVENTS: WEEK 31 (WEEK ENDING 05 AUGUST, 2018)**

Disease/Health Event (suspected/confirmed)	Week 30			Week 31			Cumulative to Week 31		
	Cases (susp)	Deaths	CFR (%)	Cases (susp)	Deaths	CFR (%)	Cases (susp)	Deaths	CFR (%)
AFP (suspected polio)	3	0	0.0	6	0	0.0	326	0	0.0
Acute haemorrhagic fever syndrome	0	0	-	0	0	-	37	0	0.0
Adverse events following immunization	0	0	-	0	0	-	0	0	-
Anthrax	0	0	-	0	0	-	2	0	-
Acute watery diarrhoea in persons aged >5 years	1,275	0	0.0	1,213	0	0.0	34,910	0	0.0
Cholera	0	0	-	0	0	-	0	0	-
Dengue fever	0	0	-	0	0	-	0	0	-
Diarrhoea with blood	85	0	0.0	65	0	0.0	2,541	0	0.0
Dracunculiasis (Guinea worm)	0	0	-	0	0	-	0	0	0.0
Influenza-like illness	1,048	0	0.0	1,232	0	0.0	19,141	0	0.0
Maternal deaths	-	1	-	-	0	-	-	60	-
Measles	29	0	0.0	25	0	0.0	1,420	0	0.0
Meningitis	11	0	0.0	7	2		843	60	6.9
Neonatal tetanus	0	0	-	0	0	-	7	1	14.3
Plague	0	0	-	0	0	-	0	0	-
Public health event of international concern (PHEIC)	0	0	-	0	0	-	0	0	-
Human rabies	1	1	100.0	1	1	100.0	20	20	100.0
SARS	0	0	-	0	0	-	0	0	-
Smallpox	0	0	-	0	0	-	0	0	-
Yellow fever (suspected)	14	0	0.0	12	0	0.0	586	0	0.0
<b>NATIONAL TOTAL</b>	<b>2,466</b>	<b>2</b>	<b>0.0</b>	<b>2,561</b>	<b>3</b>	<b>0.1</b>	<b>59,833</b>	<b>141</b>	<b>0.1</b>

\*CFR does not include maternal deaths

This report and subsequent ones should be shared with regional and district heads as well as heads of other agencies. A feedback addressed to the Editor-In-Chief is welcome



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