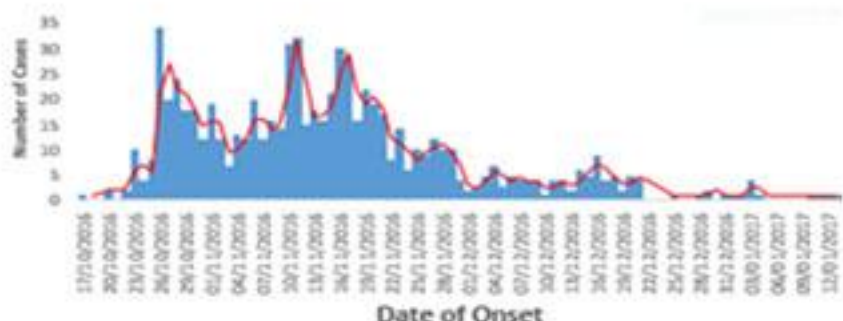




Ghana Weekly Epidemiological Report



IN THIS ISSUE

- General improvement in AFP stool sample condition received at the laboratory
- Volta Region maintains top spot on regional reporting performance ranking

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WEEK
39

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Summary of Weekly Epidemiological Data for Week 39, 2018

Highlights:

- General improvement in AFP stool sample condition received at the laboratory
- Volta Region maintains top spot on regional reporting performance ranking

SUMMARY OF PRIORITY DISEASES AND EVENTS

The total all-cause weekly notifiable disease morbidity for Week 39 was 1,113 with two maternal deaths. Acute watery diarrhoea in persons aged 5+ years accounted for majority (58.3%) of cases reported for the notifiable diseases during the Week (See Figure 1 and Annex 1)

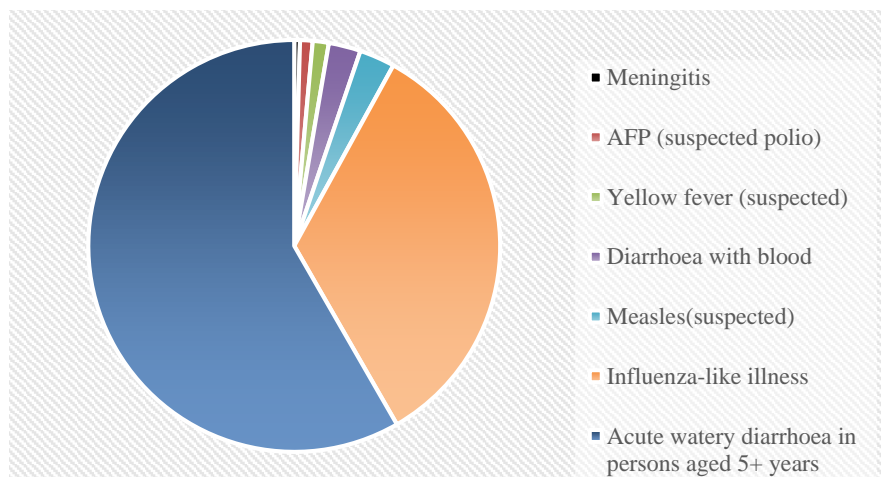


Figure 1: Distribution of Reported number of cases for notifiable diseases, Ghana, Week 39, 2018

REGIONAL PERFORMANCE BASED ON REPORTING

Volta Region with a mean score of 100% maintained the first position on the regional performance ranking whilst the Upper West region had the lowest mean score of 80.7% was the lowest rank region. All regions achieved the expected target (60.0%) for percentage of districts reporting suspected Measles and Yellow Fever except Central (55.0%) and Upper West (45.5%) regions which failed to achieve the expected surveillance target for Yellow Fever [Table 1].

Timeliness and Completeness of reporting for all notifiable conditions for the Week were 96.1% and 97.2% respectively. Only three regions namely; Northern and Upper East and Volta scored 100% for both indicators.

Table 1: Ranking of Regional Performance based on selected Surveillance reporting indicators, Ghana, Week 39, 2018

Region	Timeliness (%) Week 39 A	Completeness (%) Week 39 B	Cum. AFP Cases Week 39	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	47	5.0	100	100.0	100.0	100.0	1st
Brong-Ahafo	99.7	100	59	6.5	100	100.0	100.0	99.9	2nd
Greater Accra	98.1	100	70	4.0	100	100.0	100.0	99.6	3rd
Upper East	100	100	13	2.7	100	92.3	100.0	98.5	4th
Eastern	99.8	100	39	3.6	100	100.0	92.3	98.4	5th
Western	93.7	94	58	6.0	100	100.0	100.0	97.5	6th
Northern	100	100	51	5.1	100	84.6	96.2	96.2	7th
Ashanti	85.8	89.5	38	1.9	96	93.3	83.3	89.6	8th
Central	88.1	93.4	28	3.1	100	85.0	55.0	84.3	9th
Upper West	92.4	93	14	5.3	100	72.7	45.5	80.7	10th
Ghana	96.1	97.2	417	4.1	100	94.0	89.4	95.3	

INFLUENZA-LIKE ILLNESS (IDSR Weekly Report)

A total of 357 cases of Influenza-like Illnesses were recorded nationwide [Table 2]. Greater Accra reported 50.1% of the total cases recorded.

Table 2: Reported Influenza-Like Illness cases by Region and District, Ghana, Week 39, 2018

Region	Districts	Cases	Deaths
Ashanti	Adansi North	6	0
	Adansi South	1	0
	Bekwai	6	0
	Ejisu-Juaben	18	0
Brong-Ahafo	Sunyani	10	0
Central	Cape Coast	19	0
Eastern	New Juaben	116	0
Upper East	Bolgatanga	5	0
	Kassena-Nankana	1	0
Volta	Ketu South	5	0
Greater- Accra	Accra	23	0
	Adentan	3	0
	Ga East	33	0
	Ga West	19	0
	La-Dade-Kotopon	4	0
	Ledzokuku-Krowor	16	0
	Ningo-Prampram	1	0
	Shai-Osudoku	37	0
	Tema	40	0
	Sekondi-Takoradi	4	0
Western			
Total		357	0

CHOLERA

In Week 39, no cholera case was reported.

MEASLES

Thirty-one suspected cases of Measles were reported during the week [Table 3]. Samples were taken and sent to the National Public Health Reference Laboratory [NPHRL] for investigations and awaiting results. The Brong-Ahafo region as at Week 39 has recorded majority of all confirmed cases, with 16 Measles and 8 Rubella cases confirmed. [Figure 2].

Table 3: Suspected Measles cases by Region and District, Ghana, Week 39, 2018

Region	Districts	Cases	Deaths
Ashanti	Bosome-Freho	1	0
	Sekyer Central	1	0
	Asunafo South	4	0
	Kintampo North	1	0
	Nkoranza North	4	0
Brong-Ahafo	Nkoranza South	1	0
	Tain	2	0
	Techiman North	1	0
	Asuogyaman	1	0
	Kwahu West	1	0
Eastern	New Juaben	1	0
Greater Accra	Ledzokuku-Krowor	1	0
Northern	Kumbungu	1	0
	Mion	1	0
	Builsa South	1	0
Upper East	Garu-Tempane	1	0
Upper West	Daffiama-Bussie-Issa	1	0
	Sissala East	1	0
	Sissala West	1	0
	Hohoe	1	0
Volta	Ketu North	3	0
Western	Wassa-Amenfi West	1	0
Total		31	0

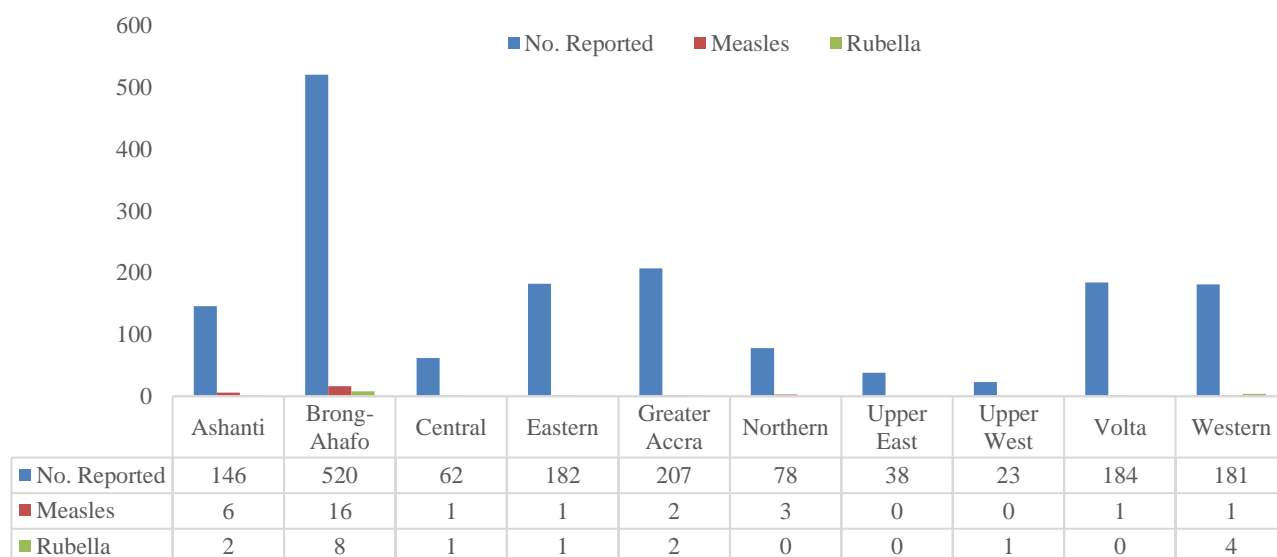


Figure 2: Distribution of cumulative Confirmed Measles and Rubella cases by Region, Ghana, Week 39, 2018

MENINGITIS

Five cases of meningitis were recorded across the country during the week [Table 4]. No district either hit alert or epidemic threshold.

Table 4: Meningitis Cases and Deaths, Ghana, Week 39, 2018

Region	Districts	Cases	Deaths
Eastern	New Juaben	1	0
	Upper Manya-Krobo	1	0
	Bolgatanga	1	0
Upper East	Nandom	1	0
Volta	South Tongu	1	0
Total		5	0

HUMAN RABIES

No case of Human Rabies was reported during the Week

YELLOW FEVER

Fourteen suspected cases of Yellow Fever were reported in Week 39 [Figure 6]. All cases tested negative at the National Public Health Reference Laboratory. All regions except the Central (55%) and Upper West (45%) regions achieved the districts reporting target as at the end of Week 39, 2018 [Figure 3].

MATERNAL DEATHS

Two maternal deaths were reported in Week 39 [Table 5].

Table 5: Meningitis Cases and Deaths, Ghana, Week 39, 2018

Region	Districts	Deaths
Eastern	New Juaben	1
Greater Accra	Accra	1
Total		2

Table 6: Suspected Yellow Fever Cases and Deaths, Ghana, Week 39, 2018

Region	Districts	Cases	Deaths
Brong-Ahafo	Nkoranza North	1	0
	Sunyani West	1	0
Eastern	Asuogyaman	1	0
	Nsawam Adoagyiri	1	0
Greater-Accra	Ga South	1	0
Northern	Bunkpurugu-Yunyoo	1	0
	Karaga	1	0
Upper East	Bawku	1	0
	Pusiga	2	0
Volta	Ketu North	1	0
	South Tongu	2	0
Western	Bia West	1	0
Total		14	0

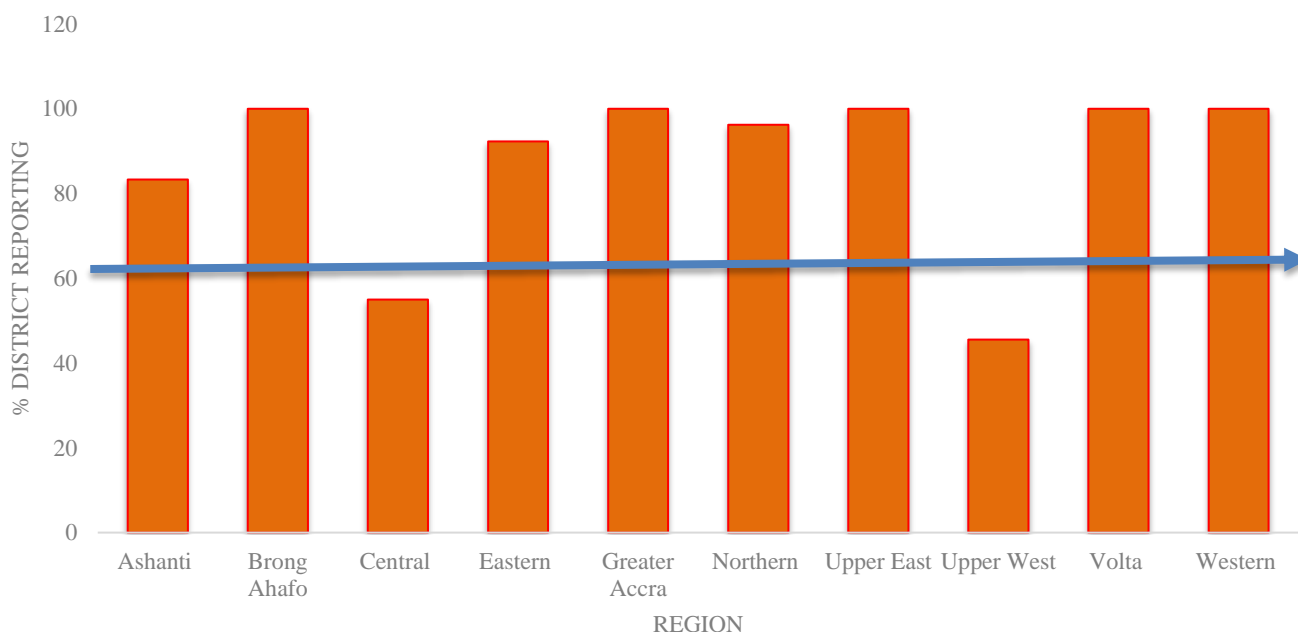


Figure 3: Percentage of Districts in Regions reporting at least One Suspected Case of Yellow Fever, Ghana 1-39, 2018

Expected district reporting target for Week 39 = 60%

ACUTE FLACCID PARALYSIS (SUSPECTED POLIOMYELITIS)

Eleven cases of suspected Polio were recorded in Week 39 [Table 7]. Stool specimens obtained for respective cases tested negative for wild polio virus at the Noguchi Memorial Institute for Medical Research Polio Laboratory.

Table 7: Suspected Poliomyelitis cases and deaths by Region and District, Ghana, Week 39, 2018

Region	Districts	Cases	Deaths
Ashanti	Ejura-Sekyedumase	2	0
Brong-Ahafo	Dormaa East	1	0
Central	Awutu-Senya West	1	0
Eastern	Ayensuano	1	0
Greater-Accra	Shai Osudoku	1	0
Northern	Tatale-Sanguli	1	0
	Tolon	1	0
Upper East	Bawku	1	0
	Garu-Tempane	2	0
Total		11	0

Summary on Acute Flaccid Paralysis (AFP) Indicators, Week 1 – 39

Ashanti region inched closer to the Non Polio-AFP rate of 2.0 per 100,000 population less than 15 years target for the week under review. All other regions achieved the annualised Non-Polio AFP rate of 2.0 per 100,000 population less than 15 years. A total of 428 cases have been reported with eight compatibles. There has been a general improvement in the timeliness (89%) and adequacy of stool (83.6%) received by the laboratory with Upper West achieving 100% for both indicators [Table 8]. The compatible cases are sparsely distributed across the districts with Accra recording two (2) [Figure 4].

Table 8: Summary on Acute Flaccid Paralysis Surveillance, Ghana, Week 1 - 39, 2018

Region	Population Under 15 years	Expected Non-Polio AFP for the year	Reported AFP	Compatible	Discarded	Annualized Non-Polio AFP Rate	% Timely Stools	% Adequate Stools
Ashanti	2,484,707	50	38	0	36	1.9	94.7	84.2
Brong-Ahafo	1,164,263	23	59	1	56	6.5	91.5	86.4
Central	1,180,617	24	28	0	28	3.1	89.3	89.3
Eastern	1,305,965	26	39	0	35	3.6	89.7	89.7
Greater Accra	2,085,500	42	70	3	63	4.0	84.3	82.9
Northern	1,308,970	26	51	0	50	5.1	98.0	94.1
Upper East	483,561	10	13	0	10	2.7	84.6	76.9
Upper West	342,806	7	14	0	14	5.3	100.0	100.0
Volta	1,083,971	22	47	1	41	5.0	87.2	85.1
Western	1,169,233	23	58	3	52	6.0	91.4	75.9
Ghana	12,609,592	252	417	8	385	4.1	90.6	85.6

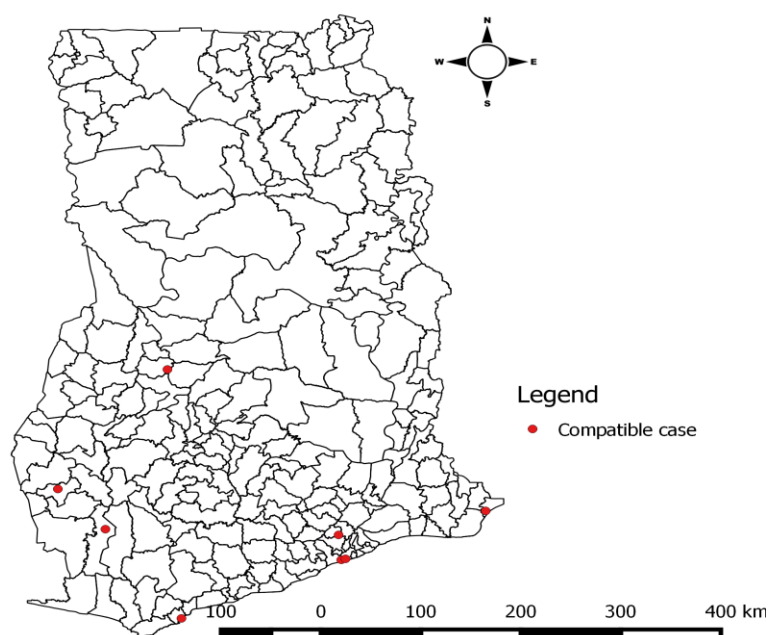


Figure 4: Geographical distribution of AFP compatible cases by District, Ghana, Week 39, 2018

ANNEX 1: SUMMARY OF REPORTED CASES/ EVENTS: WEEK 40 (WEEK ENDING 30 SEPTEMBER, 2018)									
Disease/Health Event (suspected/confirmed)	Week 39			Week 40			Cumulative to Week 40		
	Cases (susp)	Deaths	CFR (%)	Cases (susp)	Deaths	CFR (%)	Cases (susp)	Deaths	CFR (%)
AFP (suspected polio)	11	0	0.0	9	0	0.0	437	0	0.0
Acute haemorrhagic fever syndrome	0	0	-	0	0	-	39	0	0.0
Adverse events following immunization	0	0	-	0	0	-	1	0	-
Anthrax	0	0	-	0	0	-	2	0	-
Acute watery diarrhoea in persons aged >5+ years	649	0	0.0	921	0	0.0	43,386	0	0.0
Cholera	0	0	-	0	0	-	0	0	-
Dengue fever	0	0	-	0	0	-	0	0	-
Diarrhoea with blood	28	0	0.0	75	0	0.0	3,162	0	0.0
Dracunculiasis (Guinea worm)	0	0	-	0	0	-	0	0	0.0
Influenza-like illness	375	0	0.0	572	0	0.0	23,106	0	0.0
Maternal deaths	-	2	-	-	0	-	-	73	-
Measles(suspected)	31	0	0.0	26	0	0.0	1,654	0	0.0
Meningitis	5	0	0.0	8	0	0.0	897	61	6.8
Neonatal tetanus	0	0	-	0	0	-	11	2	18.2
Plague	0	0	-	0	0	-	0	0	-
Public health event of international concern (PHEIC)	0	0	-	0	0	-	0	0	-
Human rabies	0	0	-	0	0	-	23	23	100.0
SARS	0	0	-	0	0	-	0	0	-
Smallpox	0	0	-	0	0	-	0	0	-
Yellow fever (suspected)	14	0	0.0	16	0	0.0	715	0	0.0
NATIONAL TOTAL	1,113	2	0.0	1,627	0	0.0	73,433	159	0.1

*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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