

## OUTBREAKS / CLUSTERS / UNUSUAL EVENTS EW 17

No	District	Locality	Disease /Event	Number Of Cases
1	Kulaijaya	No 2758 Jln Cempaka 36/17 Indahpura Kulai, 81000	KRM	5

### Hepatitis E – Niger

On 12 April 2017, the Niger Ministry of Health notified WHO of a hepatitis E virus (HEV) outbreak in the Diffa region, located in the eastern part of the country. On 19 April 2017, the outbreak was officially declared by the Minister of Health. Since 9 January 2017, an increase in cases of jaundice was noted at the Centre Mere-Enfant de Diffa (Mother and Child Center) among pregnant women. Initially, the cases presented with headache, vomiting, fever, conjunctivitis, pelvic pain, and memory loss. Yellow fever was initially suspected as the cause of this outbreak. However, considering a number of cases among pregnant women reporting to the Mother and Child Center in Diffa and the HEV outbreak in neighbouring Chad, HEV was also considered as a potential cause of signs and symptoms. Samples were collected and sent to Institut Pasteur de Dakar (IPD) for laboratory testing. Of the 29 samples tested so far, all tested negative for yellow fever and 15 tested positive for hepatitis E by PCR. As of 3 May 2017, a total of 282 suspected cases including 27 deaths have been reported. All reported deaths except for one death are among pregnant women (mortality ratio: 9.6%). To date, five of the six districts in the Diffa region have reported cases, and 188 cases are from the Diffa and N'Guigmi districts. The Diffa region is a region affected by the Lake Chad basin crisis and there is frequent movement across the border-WHO

#### Advisor

Dr Hajah Fatimah bt. Othman

#### Editorial Board

Dr Abu Hassan Sha'ari Abdul Kadir

Dr Linayanti Rosli

Dr.Jeyanthini a/p Sathasivam

#### Editorial Staff

Pn.Noor Elliza binti Othman  
En. Zainalabidin bin Mokhtar

Communicable Diseases Control & Surveillance Unit  
Johor Health Department (Public Health Section)  
Jalan Persiaran Permai, 81200 Johor Bahru  
Tel: 07-2356136 Fax: 07-2356221  
[cprcjkni@moh.gov.my](mailto:cprcjkni@moh.gov.my) [influenzajkni09@gmail.com](mailto:influenzajkni09@gmail.com)

### Unknown causes of morbidity or mortality in Liberia

On 25 April 2017, the MoH of Liberia notified WHO and partners of a cluster of sudden deaths of unknown aetiology in Sinoe County. The event started on 23 April 2017 when an 11 year old child presented with diarrhoea, vomiting and mental confusion after attending the funeral of a religious leader on the 22 of April 2017. The child was taken immediately to the hospital and died within one hour of admission.

As of 3 May 2017, a total of 26 cases including 12 deaths (CFR: 46 %) were reported. Of those, 24 cases including 10 deaths were reported from Sinoe County, all in persons who had attended the funeral. The 2 remaining cases, both fatal, were reported from the capital Monrovia in Montserrado County. The first case in Monrovia had attended the funeral in Sinoe and presented with fever, headache and vomiting on 27 April. He passed away at a hospital in Monrovia. On 29 April, his partner also became ill and passed away the same day. She did not attend the funeral in Sinoe County and investigations are still ongoing.

To date, a total of 18 specimens have tested negative for Ebola virus disease (EVD) and Lassa fever. Samples (e.g. blood, urine, rectal swab, and others) will be tested for chemistry, toxicology, cytopathology, microbiological and serology.

# 1. COMMUNICABLE DISEASES FOR CURRENT WEEK, 2016 AND 2017, JOHORE STATE

DISEASE		EW 17/2017	EW 17/2016	MEDIAN	CUMULATIVE 2016	CUMULATIVE 2017
<b>NOTIFIABLE DISEASES</b>						
1.	AVIAN INFLUENZA	0	0	NA	0	0
2.	CHANCROID	0	0	0	0	0
3.	CHOLERA	0	0	0	0	0
4.	DENGUE FEVER	154	234	85	5852	2256(10)
	DENGUE HAEMORRHAGIC FEVER	0	0	0	4	2
5.	DIPHtherIA	0	0	0	0	0
6.	DYSENTERY (all type)	0	0	0	2	5
7.	EBOLA	0	0	0	0	0
8.	FOOD POISONING (episode)	1	1	0	24	20
	FOOD POISONING (case)	63	8	11	1045	482
9.	GONOCOCCAL INFECTION (all forms)	4	3	3	71	111
10.	HAND,FOOT&MOUTH DISEASE (HFMD)	23	48	62	577	1180
11.	HIV INFECTION (all forms)	0	5	9	195	191
	HIV DEATH	0	1	0	13	15
12.	LEPROSY	0	0	0	3	3
13.	LEPTOSPIROSIS	6	1	3	69	62
14.	MALARIA	0	0	1	4	17
15.	MEASLES	0	4	0	129	35
16.	MERSCoV	0	NA	NA	NA	0
17.	PLAGUE	0	0	0	0	0
18.	ACUTE POLIOMYELITIS	0	0	0	0	0
19.	RABIES	0	0	0	0	0
20.	RELAPSING FEVER	0	0	0	0	0
21.	SYPHILIS (all forms)	8	4	1	41	90
22.	TETANUS (Neonatorum / Adult)	0	0	0	1	0
23.	TUBERCULOSIS (all forms)	16	34	36	594	636
	TUBERCULOSIS DEATH	0	1	0	14	10
24.	TYPHOID & PARATYPHOID FEVER	0	0	0	4	2
25.	TYPHUS & OTHER RECKETTSIOSES	0	0	0	0	0
26.	VIRAL ENCEPHALITIS	0	0	0	1	1
27.	VIRAL HEPATITIS					
	a) Hepatitis A	0	0	0	2	1
	b) Hepatitis B	9	6	4	81	105(1)
	c) Hepatitis C	5	3	3	52	57(1)
	d) Other Hepatitis	0	0	0	2	0
28.	PERTUSSIS	0	0	0	6	2
29.	YELLOW FEVER	0	0	0	0	0
30.	ZIKA	0	0	NA	0	1
<b>OTHER DISEASES UNDER SURVEILLANCE</b>						
1	ACUTE FLACCID PARALYSIS (AFP)	0	0	0	2	5
2	ACUTE GASTROENTERITIS (AGE)	116	585	585	5264	2763(1)
3	FILARIASIS	0	0	0	1	0
4	INFLUENZA-LIKE ILLNESS (ILI)	735	778	146	13110	12806
5	SEVERE ACUTE RESPIRATORY INFECTION (sARI)	36	11	0	139	326
6	MELIOIDOSIS	2	0	0	5	7 (2)
7	BRUCELLOSIS	0	0	0	1	1

## 2. COMMUNICABLE DISEASES 2013 – 2017, JOHORE STATE

DISEASE		2013	2014	2015	2016	2017
<b>NOTIFIABLE DISEASES</b>						
1.	AVIAN INFLUENZA	NA	NA	NA	0	0
2.	CHANCROID	0	0	0	0	0
3.	CHOLERA	0	0	0	0	0
4.	DENGUE FEVER	631	1651	2102	5852	2256(10)
	DENGUE HAEMORRHAGIC FEVER	24	11	3	4	2
5.	DIPHTHERIA	0	0	0	0	0
6.	DYSENTERY (all types)	0	1	1	2	5
7.	EBOLA	0	0	0	0	0
8.	FOOD POISONING (episode)	13	19	18	24	20
	FOOD POISONING (case)	446	671	502	1045	482
9.	GONOCOCCAL INFECTION (all forms)	24	23	87	71	111
10.	HAND, FOOT & MOUTH DISEASE (HFMD)	493	556	1021	577	1180
11.	HIV INFECTION (all forms)	198	178	188	195	191
	HIV DEATH	0	0	0	13	15
12.	LEPROSY	3	4	6	3	3
13.	LEPTOSPIROSIS	19	55	119	69	62
14.	MALARIA	17	5	9	4	17
15.	MEASLES	5	4	4	129	35
16.	MERSCoV	NA	NA	NA	NA	0
17.	PLAGUE	0	0	0	0	0
18.	ACUTE POLIOMYELITIS	0	0	0	0	0
19.	RABIES	0	0	0	0	0
20.	RELAPSING FEVER	0	0	0	0	0
21.	SYPHILIS (all forms)	15	31	31	41	90
22.	TETANUS (Neonatorum / Adult)	0	1	0	1	0
23.	TUBERCULOSIS (all forms)	538	612	705	594	636
	TUBERCULOSIS DEATH	0	0	0	14	10
24.	TYPHOID & PARATYPHOID FEVER	5	6	4	4	2
25.	TYPHUS & OTHER RECKETTSIOSES	0	0	0	0	0
26.	VIRAL ENCEPHALITIS	0	0	0	1	1
27.	VIRAL HEPATITIS					
	a) Hepatitis A	2	2	3	2	1
	b) Hepatitis B	53	42	77	81	105(1)
	c) Hepatitis C	75	34	38	52	57(1)
	d) Other Hepatitis	0	0	1	2	0
28.	PERTUSSIS	0	1	4	6	2
29.	YELLOW FEVER	0	0	0	0	0
30.	ZIKA	NA	NA	NA	0	1
<b>OTHER DISEASES UNDER SURVEILLANCE</b>						
1	ACUTE FLACCID PARALYSIS (AFP)	0	3	1	2	5
2	ACUTE GASTROENTERITIS (AGE)	10530	8395	988	5264	2763(1)
3	FILARIASIS	0	3	6	1	0
4	INFLUENZA-LIKE ILLNESS (ILI)	2365	2120	2115	13110	12806
5	SEVERE ACUTE RESPIRATORY INFECTION (sARI)	0	154	3	139	326
6	MELIOIDOSIS	0	0	0	5	7 (2)
7	BRUCellosis	0	0	0	1	1

### 3. COMMUNICABLE DISEASES FOR CURRENT WEEK BY DISTRICT, 2017, JOHORE STATE

	DISEASE	JB	KJ	MR	LG	BP	KG	ST	PN	KT	MG	JOHORE
<b>NOTIFIABLE DISEASES</b>												
1.	AVIAN INFLUENZA	0	0	0	0	0	0	0	0	0	0	0
2.	CHANCROID	0	0	0	0	0	0	0	0	0	0	0
3.	CHOLERA	0	0	0	0	0	0	0	0	0	0	0
4.	DENGUE FEVER	123	4	3	0	5	2	4	3	9	1	154
	DENGUE HAEMORRHAGIC FEVER	0	0	0	0	0	0	0	0	0	0	0
5.	DIPHTHERIA	0	0	0	0	0	0	0	0	0	0	0
6.	DYSENTERY (all types)	0	0	0	0	0	0	0	0	0	0	0
7.	EBOLA	0	0	0	0	0	0	0	0	0	0	0
8.	FOOD POISONING (episode)	0	1	0	0	0	0	0	0	0	0	1
	FOOD POISONING (case)	57	5	0	0	0	0	0	0	1	0	63
9.	GONOCOCCAL INFECTION (all forms)	3	0	0	0	0	1	0	0	0	0	4
10.	HAND, FOOT & MOUTH DISEASE (HFMD)	4	3	4	0	3	5	2	0	0	2	23
11.	HIV INFECTION (all forms)	0	0	0	0	0	0	0	0	0	0	0
	HIV DEATH	0	0	0	0	0	0	0	0	0	0	0
12.	LEPROSY	0	0	0	0	0	0	0	0	0	0	0
13.	LEPTOSPIROSIS	0	0	0	0	0	0	4	1	0	1	6
14.	MALARIA	0	0	0	0	0	0	0	0	0	0	0
15.	MEASLES	0	0	0	0	0	0	0	0	0	0	0
16.	MERSCoV	0	0	0	0	0	0	0	0	0	0	0
17.	PLAGUE	0	0	0	0	0	0	0	0	0	0	0
18.	ACUTE POLIOMYELITIS	0	0	0	0	0	0	0	0	0	0	0
19.	RABIES	0	0	0	0	0	0	0	0	0	0	0
20.	RELAPSING FEVER	0	0	0	0	0	0	0	0	0	0	0
21.	SYPHILIS (all forms)	6	0	0	0	1	0	0	0	0	1	8
22.	TETANUS (Neonatorum / Adult)	0	0	0	0	0	0	0	0	0	0	0
23.	TUBERCULOSIS (all forms)	2	0	0	0	0	0	3	0	7	4	16
	TUBERCULOSIS DEATH	0	0	0	0	0	0	0	0	0	0	0
24.	TYPHOID & PARATYPHOID FEVER	0	0	0	0	0	0	0	0	0	0	0
25.	TYPHUS & OTHER RECKETTSIOSES	0	0	0	0	0	0	0	0	0	0	0
26.	VIRAL ENCEPHALITIS	0	0	0	0	0	0	0	0	0	0	0
27.	VIRAL HEPATITIS											
	a) Hepatitis A	0	0	0	0	0	0	0	0	0	0	0
	b) Hepatitis B	6	0	0	0	1	1	0	1	0	0	9
	c) Hepatitis C	1	0	0	0	0	4	0	0	0	0	5
	d) Other Hepatitis	0	0	0	0	0	0	0	0	0	0	0
28.	WHOOPING COUGH	0	0	0	0	0	0	0	0	0	0	0
29.	YELLOW FEVER	0	0	0	0	0	0	0	0	0	0	0
30.	ZIKA	0	0	0	0	0	0	0	0	0	0	0
<b>OTHER DISEASES UNDER SURVEILLANCE</b>												
1	ACUTE FLACCID PARALYSIS (AFP)	0	0	0	0	0	0	0	0	0	0	0
2	ACUTE GASTROENTERITIS (AGE)	21	2	13	0	0	0	59	0	0	21	116
3	FILARIASIS	0	0	0	0	0	0	0	0	0	0	0
4	INFLUENZA-LIKE ILLNESS (ILI)	735	0	0	0	0	0	0	0	0	0	735
5	SEVERE ACUTE RESPIRATORY INFECTION (SARI)	36	0	0	0	0	0	0	0	0	0	36
6	MELIOIDOSIS	2	0	0	0	0	0	0	0	0	0	2
7	BRUCELLOSIS	0	0	0	0	0	0	0	0	0	0	0

#### 4. COMMUNICABLE DISEASES CUMULATIVE BY DISTRICT, 2017, JOHORE STATE

	DISEASE	JB	KJ	MR	LG	BP	KG	ST	PN	KT	MG	JOHORE
<b>NOTIFIABLE DISEASES</b>												
1.	AVIAN INFLUENZA	0	0	0	0	0	0	0	0	0	0	0
2.	CHANCROID	0	0	0	0	0	0	0	0	0	0	0
3.	CHOLERA	0	0	0	0	0	0	0	0	0	0	0
4.	DENGUE FEVER	1742	88	38	21	67	63	87	28	92	30	2256
	DENGUE HAEMORRHAGIC FEVER	2	0	0	0	0	0	0	0	0	0	2
5.	DIPHThERIA	0	0	0	0	0	0	0	0	0	0	0
6.	DYSENTERY (all types)	4	1	0	0	0	0	0	0	0	0	5
7.	EBOLA	0	0	0	0	0	0	0	0	0	0	0
8.	FOOD POISONING (episode)	5	6	1	2	1	2	1	0	1	1	20
	FOOD POISONING (case)	111	29	46	43	11	49	131	0	24	38	482
9.	GONOCOCCAL INFECTION (all forms)	59	13	1	1	19	4	2	3	7	2	111
10.	HAND, FOOT & MOUTH DISEASE (HFMD)	609	61	52	22	66	215	38	27	62	28	1180
11.	HIV INFECTION (all forms)	116	11	13	1	18	14	5	7	4	2	191
	HIV DEATH	4	0	3	0	3	2	1	1	1	0	15
12.	LEPROSY	2	1	0	0	0	0	0	0	0	0	3
13.	LEPTOSPIROSIS	9	1	11	2	1	6	20	2	5	5	62
14.	MALARIA	4	0	1	0	0	0	1	0	9	2	17
15.	MEASLES	26	3	2	0	0	2	0	2	0	0	35
16.	MERSCoV	0	0	0	0	0	0	0	0	0	0	0
17.	PLAGUE	0	0	0	0	0	0	0	0	0	0	0
18.	ACUTE POLIOMYELITIS	0	0	0	0	0	0	0	0	0	0	0
19.	RABIES	0	0	0	0	0	0	0	0	0	0	0
20.	RELAPSING FEVER	0	0	0	0	0	0	0	0	0	0	0
21.	SYPHILIS (all forms)	63	8	1	0	7	4	1	3	1	2	90
22.	TETANUS (Neonatorum / Adult)	0	0	0	0	0	0	0	0	0	0	0
23.	TUBERCULOSIS (all forms)	288	41	34	21	76	41	34	31	45	25	636
	TUBERCULOSIS DEATH	4	0	0	1	1	1	0	1	2	0	10
24.	TYPHOID & PARATYPHOID FEVER	0	0	1	0	0	0	1	0	0	0	2
25.	TYPHUS & OTHER RECKETTSIOSES	0	0	0	0	0	0	0	0	0	0	0
26.	VIRAL ENCEPHALITIS	0	0	1	0	0	0	0	0	0	0	1
27.	VIRAL HEPATITIS											
	a) Hepatitis A	0	0	0	1	0	0	0	0	0	0	1
	b) Hepatitis B	67	1	5	3	11	4	3	4	6	1	105
	c) Hepatitis C	14	4	4	1	8	16	2	6	2	0	57
	d) Other Hepatitis	0	0	0	0	0	0	0	0	0	0	0
28.	WHOOPING COUGH	1	0	1	0	0	0	0	0	0	0	2
29.	YELLOW FEVER	0	0	0	0	0	0	0	0	0	0	0
30.	ZIKA	0	0	0	0	1	0	0	0	0	0	1
<b>OTHER DISEASES UNDER SURVEILLANCE</b>												
1	ACUTE FLACCID PARALYSIS (AFP)	2	0	0	0	2	0	1	0	0	0	5
2	ACUTE GASTROENTERITIS (AGE)	381	2	13	0	522	132	919	0	569	225	2763
3	FILARIASIS	0	0	0	0	0	0	0	0	0	0	0
4	INFLUENZA-LIKE ILLNESS (ILI)	12806	0	0	0	0	0	0	0	0	0	12806
5	SEVERE ACUTE RESPIRATORY INFECTION (sARI)	326	0	0	0	0	0	0	0	0	0	326
6	MELIOIDOSIS	4	0	0	0	0	2	1	0	0	0	7
7	BRUCELLOSIS	0	0	0	0	0	0	1	0	0	0	1

## 5. CLUSTER / OUTBREAK BY DISTRICT, 2017, JOHORE STATE

DISEASES		JB	KJ	MR	LG	BP	KG	ST	PN	KT	MG	JOHORE
1	ACUTE GASTROENTERITIS (AGE)	0	0	0	1	0	2	0	0	0	0	3
2	CHICKEN POX	3	1	0	0	0	0	0	0	0	0	4
3	CONJUNCTIVITIS	0	0	0	0	0	0	0	0	0	0	0
4	FOOD POISONING	6	6	1	1	1	1	1	0	2	1	21
5	HAND, FOOT & MOUTH DISEASE (HFMD)	7	2	0	0	0	3	0	0	1	1	14
6	HEPATITIS A	0	0	0	0	0	0	0	0	0	0	0
7	INFLUENZA/(ILI)	4	0	0	1	0	0	0	0	0	0	5
8	LEPTOSPIROSIS	0	0	0	0	0	0	0	0	0	0	0
9	MEASLES	1	0	1	0	0	0	0	0	0	0	2
10	MUMPS	0	0	0	0	0	0	0	0	0	0	0
11	UPPER RESPIRATORY TRACT INFECTION (URTI)/	1	0	0	0	0	0	0	0	1	0	2
12	ROTAVIRUS	0	1	1	0	0	0	0	0	0	0	2
13	TYPHOID	0	0	0	0	0	0	1	0	0	0	1
14	SCABIES	1	0	0	0	0	2	0	0	0	0	3

## 6. INFLUENZA SURVEILLANCE 2017, JOHORE STATE

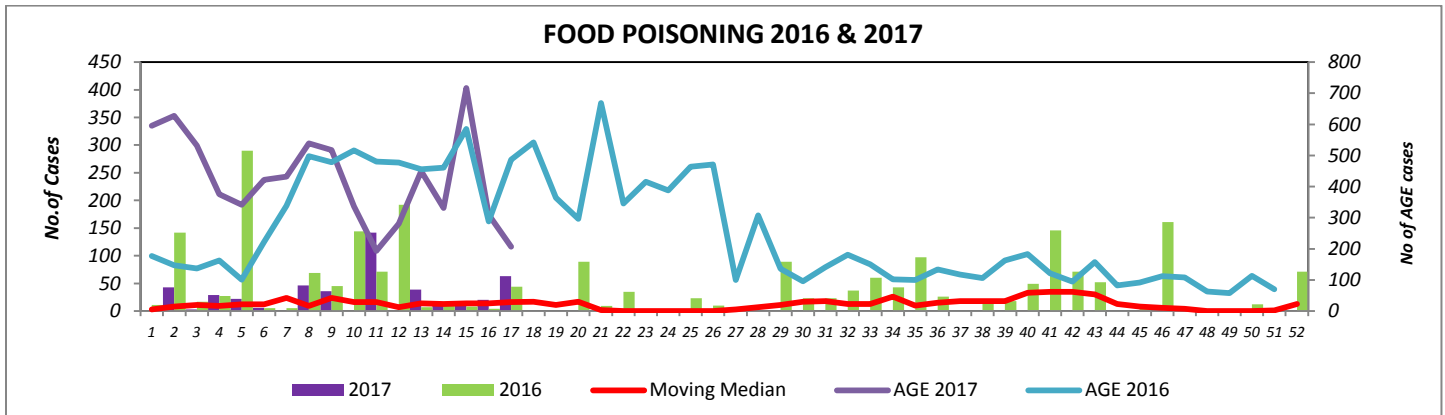
### 6.1 ILI SURVEILLANCE (KPL MAHMOODIAH)

ILI Surveillance	EW 17					CUMULATIVE				
	< 10 years	10 to 19 years	20 to 59 years	≥ 60 years	Total	< 10 years	10 to 19 years	20 to 59 years	≥ 60 years	Total
Number of ILI Cases	78	145	305	207	735	1196	1694	6355	3551	12796
Total Outpatient Attendances	238	336	2168	1474	4216	2483	4365	40128	24908	71884

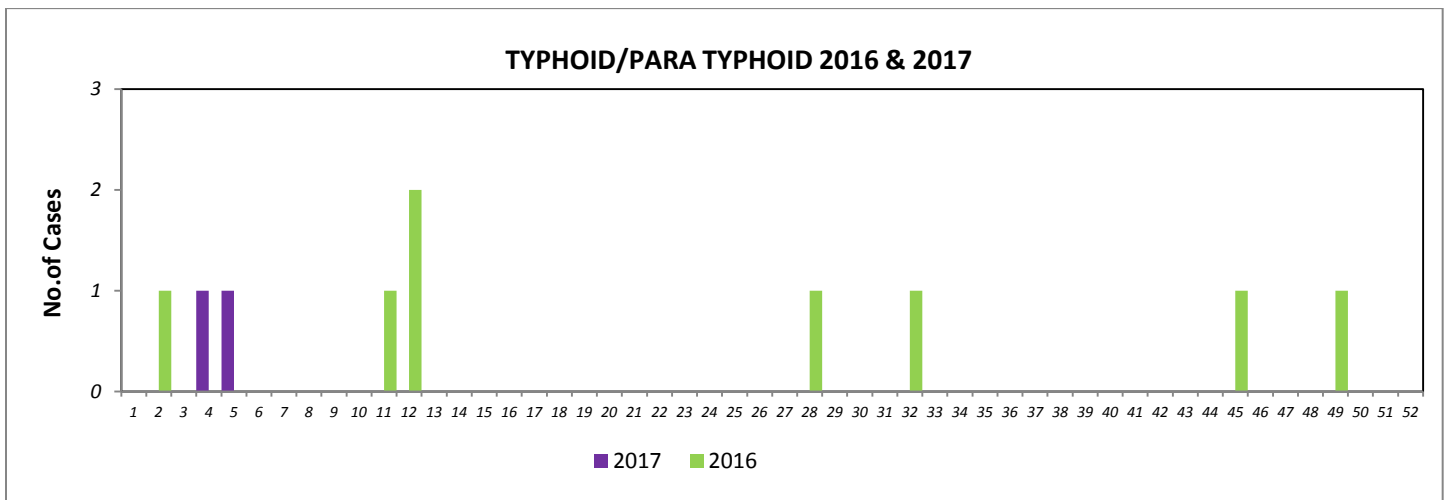
### 6.2 sARI SURVEILLANCE (HOSPITAL SULTANAH AMINAH, JOHOR BAHRU)

sARI Surveillance	EW 17			CUMULATIVE		
	Paediatric Patients (< 13 years)	Adults Patients (≥ 13 years)	Total	Paediatric Patients (< 13 years)	Adults Patients (≥ 13 years)	Total
Number of SARI Cases (New Admission)	30	6	36	275	73	348

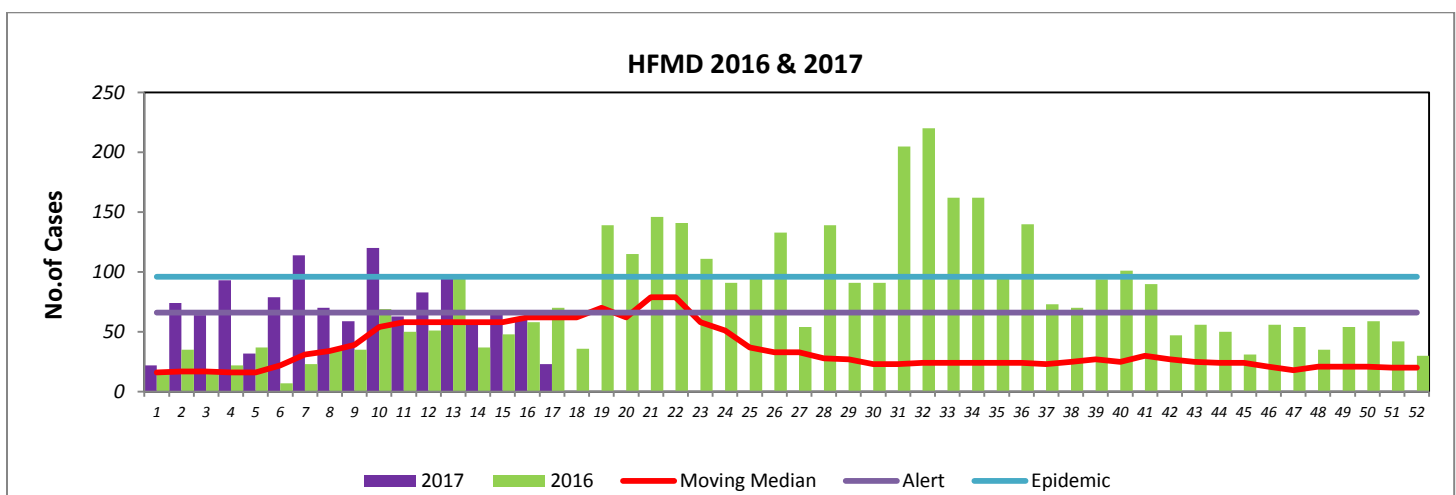
## 7. WEEKLY CASES OF FOOD POISONING, 2016—2017



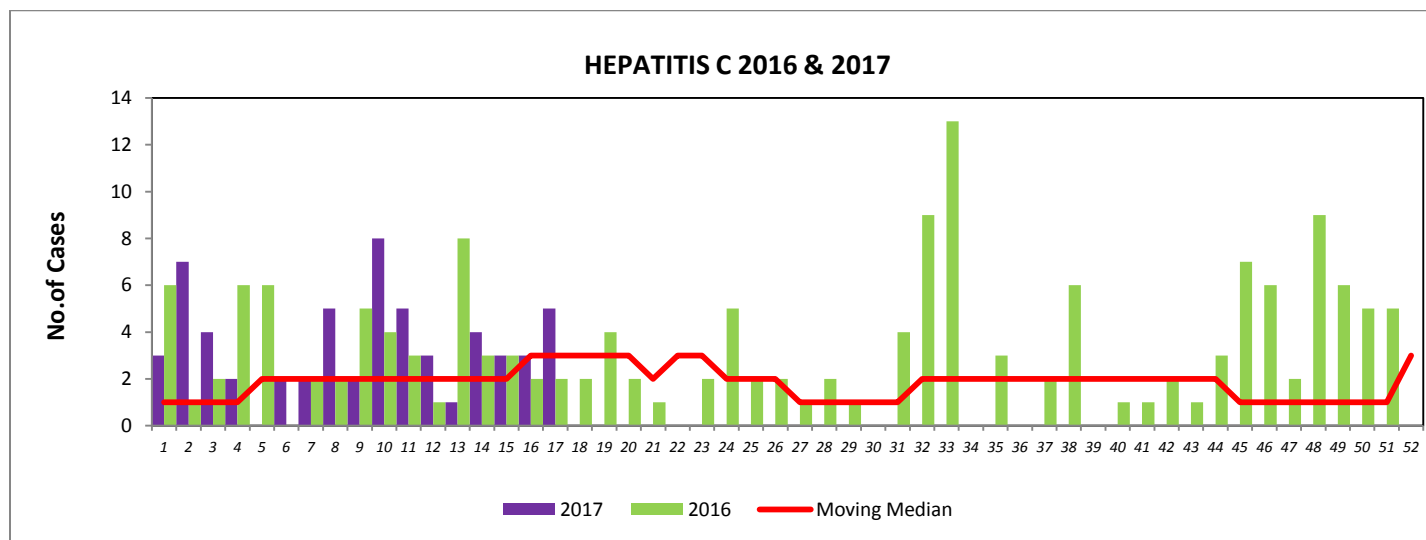
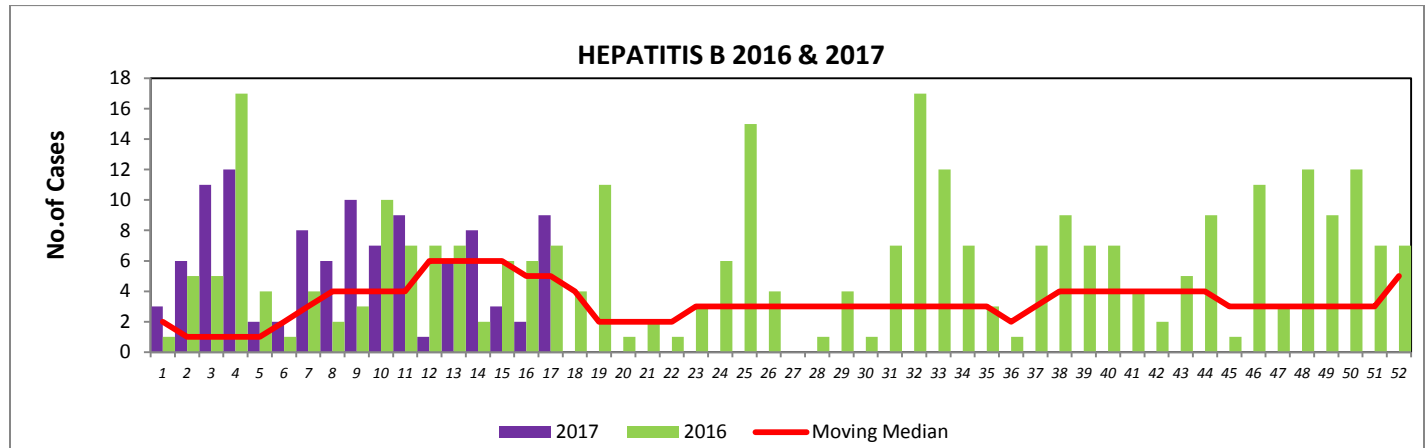
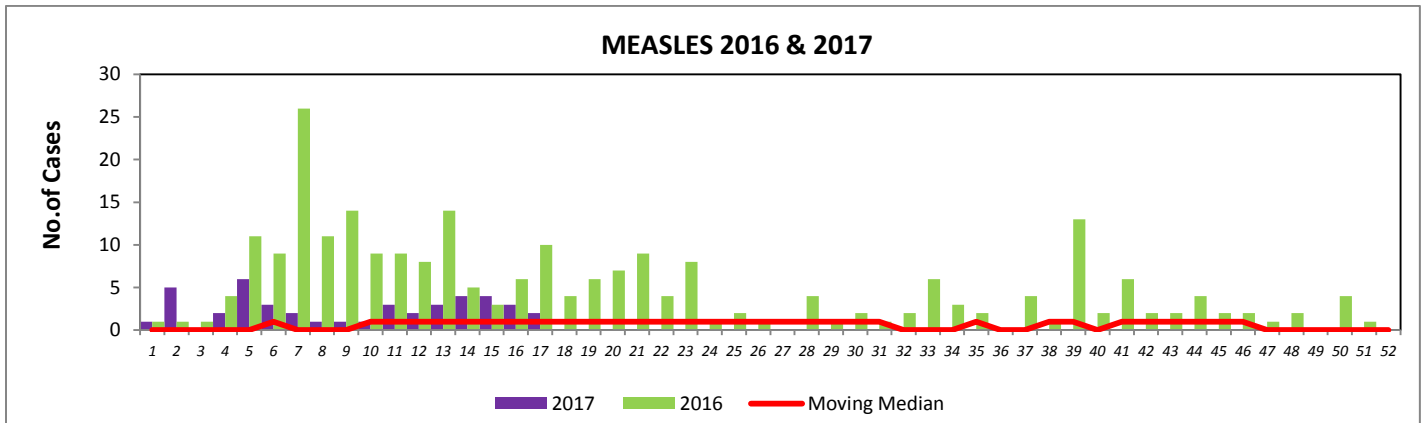
## 8. WEEKLY CASES OF OTHER FOOD WATERBORNE DISEASES, 2016—2017



## 9. WEEKLY CASES OF AIR/DROPLET BORNE DISEASES, 2016—2017



## 10. WEEKLY CASES OF VACCINE PREVENTABLE DISEASES, 2016—2017





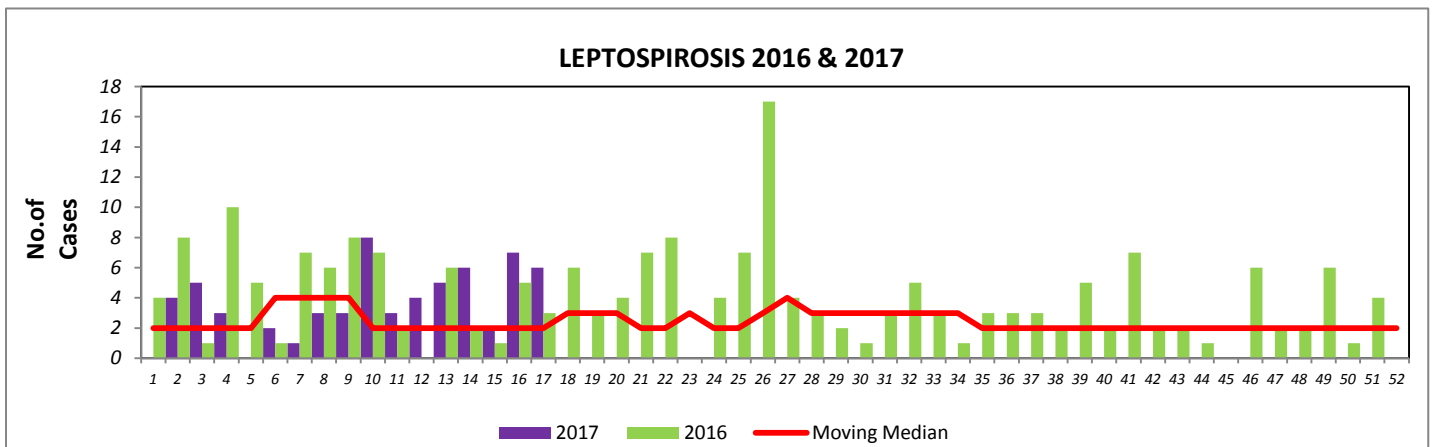
## 10.2 MEASLES ENHANCED SURVEILLANCE DATA (Cumulative)

Case classification	Frequency
Clinically confirmed	2
Epidemiologically confirmed	0
Lab confirmed	41
Discarded	90
Pending	16

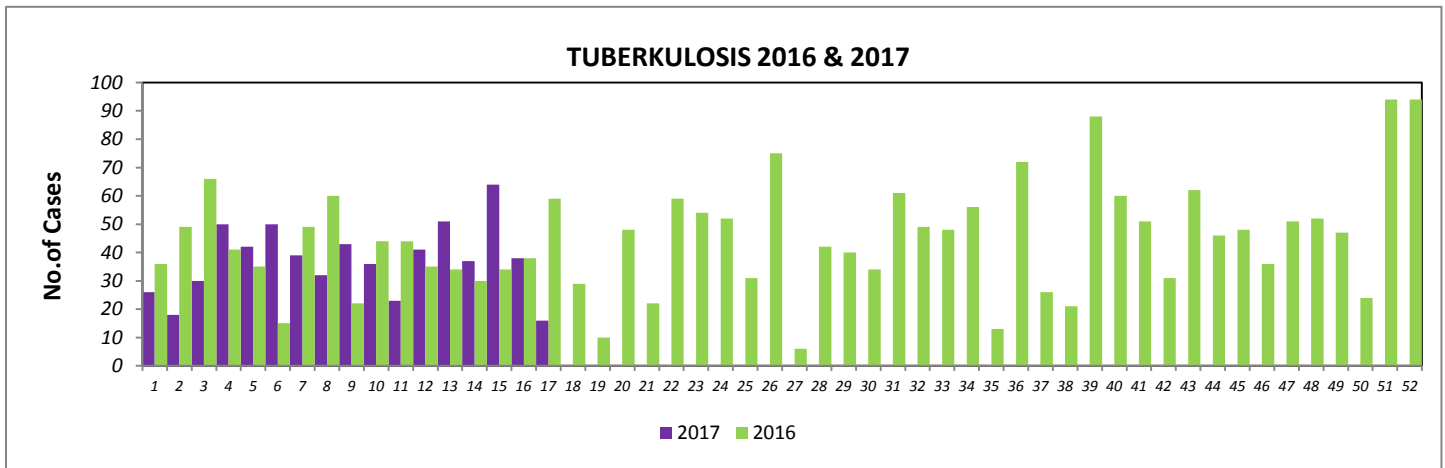
Total notifications	149
Incidence rate	11.3 per 1 million population

Indicator	Achievement	Target
Cases notified within 48 hours of rash onset	55%	100%
Cases investigated within 48 hours	93%	>80%
Sample taken for confirmation	87%	>80%
Cases classified	89%	100%
Confirmed case with source of infection identified	85%	>80%
Death	0	0

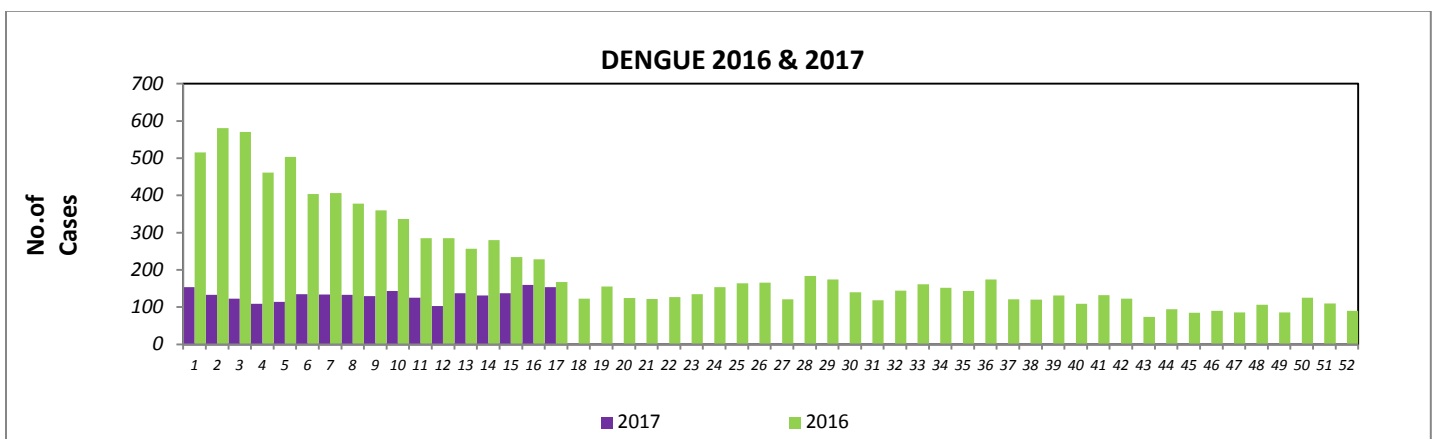
## 11. LEPTOSPIROSIS



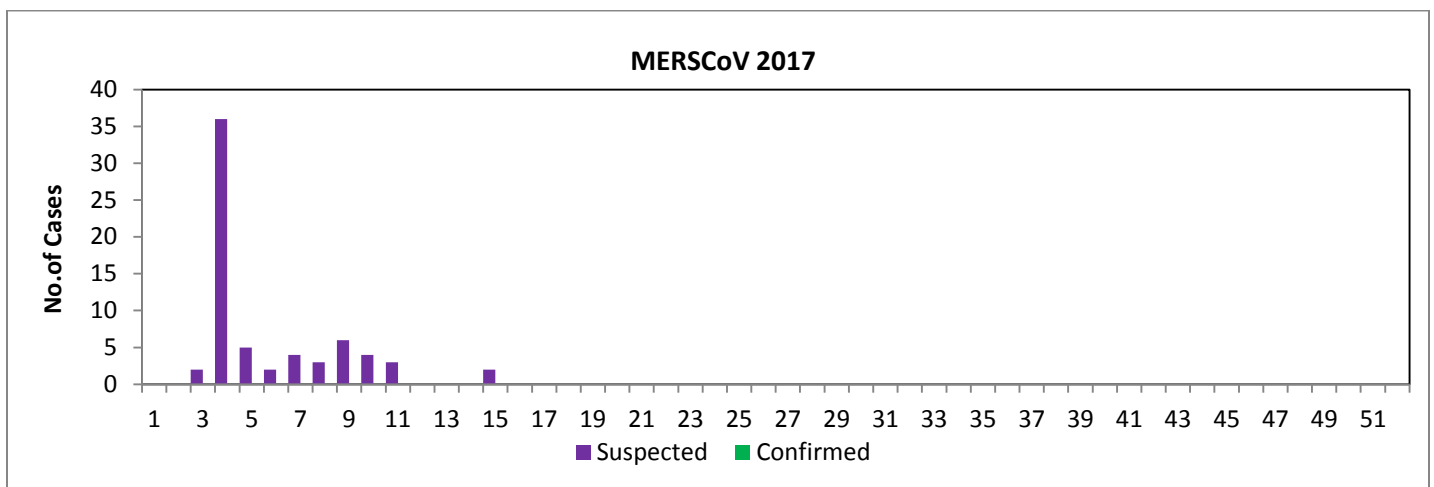
## 12. TUBERCULOSIS



## 13. DENGUE



## 14. MERSCoV



## 15. LABORATORY BASED SURVEILLANCE

### 15.1 Enteric Pathogen Identified During Food Poisoning / AGE Event 2017 – 2016, Johor State

Analysis	No. of sample received				No. of positive sample			
	EW 17 2017	2016	Cumulative 2017	2016	EW 17 2017	2016	Cumulative 2017	2016
1 <i>Salmonella typhi</i> / <i>Salmonella spp.</i>	7	6	224	491	0	0	9	3
2 <i>Yersinia enterocolitica</i>	7	6	155	264	0	0	0	0
3 <i>Vibrio cholerae</i> / <i>Vibro para</i>	7	6	155	268	0	0	0	2
4 <i>Plesiomonas shigelloides</i> / <i>spp</i>	7	6	155	264	0	0	1	0
5 <i>Enteropathogenic E.coli</i> (EPEC,EHEC)	7	6	155	264	0	0	0	0
6 <i>Aeromonas hydrophilia</i> / <i>spp</i>	7	6	155	264	0	0	0	2
7 <i>Shigella spp.</i>	7	6	155	264	2	0	2	2
8 <i>Bacillus cereus</i> (positive enterotoxin)	7	6	155	264	0	0	0	0
9 <i>Staphylococcus aureus</i> (positive enterotoxin)	7	6	155	264	1	0	8	9
10 <i>Campylobacter jejuni/coli/spp</i>	7	6	155	264	0	0	1	0

## 16. INFLUENZA SURVEILLANCE

