

## EPIDEMIOLOGICAL BULLETIN

EPID WEEK 23

DATE : 05.06.2016 – 11.06.2016

### OUTBREAKS / CLUSTERS / UNUSUAL EVENTS EW 23

No	District	Locality	Disease /event	Number of cases
		NIL		

#### Yellow Fever

Yellow fever is a viral disease, found in tropical regions of Africa and the Americas. It principally affects humans and monkeys, and is transmitted via the bite of **Aedes mosquitoes**. It can produce devastating outbreaks, which can be prevented and controlled by mass vaccination campaigns.

The first symptoms of the disease usually appear **3–6 days** after infection. The first, or “acute”, phase is characterized by fever, muscle pain, headache, shivers, loss of appetite, nausea and vomiting. After 3–4 days, most patients improve and symptoms disappear. However, in a few cases, the disease enters a “toxic” phase: fever reappears, and the patient develops jaundice and sometimes bleeding, with blood appearing in the vomit. About 50% of patients who enter the toxic phase die within 10–14 days.

There is no specific treatment for yellow fever. Vaccination is highly recommended as a preventive measure for travellers to, and people living in, endemic countries (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

En. Zainalabidin bin Mokhtar  
En. Khairul Azreen bin Ampri

Communicable Diseases Control & Surveillance Unit  
Johor Health Department (Public Health Section)  
Jalan Persiaran Permai, 81200 Johor Bahru

Tel: 07-2356136 Fax: 07-2356221 [influenzajknj09@gmail.com](mailto:influenzajknj09@gmail.com)

Sumber : [enotifikasi/edengue/ewabak/emeasles/buletinMKA](#)

### Weekly highlights

On 21 January 2016, the Ministry of Health of Angola notified WHO of an outbreak of yellow fever (YF). The first case (with onset date of 5 December 2015) was identified in Viana municipality, Luanda province.

As of 10 June, 3,137 suspected cases, including 345 deaths, had been reported from all the 18 provinces of Angola. A total of 847 cases had been laboratory-confirmed. The confirmed cases are from 78 districts of 16 provinces. Local transmission has been documented in 31 districts of 12 provinces (Benguela, Cuango, Cubango, Cuanza Norte, Cuanza Sul, Cunene, Huambo, Huila, Luanda, Lunda Norte, Malanje, Uige, and Zaire)-WHO

# 1. COMMUNICABLE DISEASES FOR CURRENT WEEK, 2015 AND 2016, JOHORE STATE

DISEASE		EW 23 2016	EW 23 2015	MEDIAN	CUMULATIVE 2015	CUMULATIVE 2016
<b>NOTIFIABLE DISEASES</b>						
1.	CHANCROID	0	0	0	0	0
2.	CHOLERA	0	0	0	0	0
3.	DENGUE FEVER	134	245	75	3437	7031(10)
	DENGUE HAEMORRHAGIC FEVER	1	1	1	4	5
4.	DIPHTHERIA	0	0	0	0	0
5.	DYSENTERY (all types)	0	0	0	3	3
6.	EBOLA	0	0	0	0	0
7.	FOOD POISONING (episode)	0	0	0	23	28
	FOOD POISONING (case)	0	0	0	675	1226(2)
8.	GONOCOCCAL INFECTION (all forms)	8	8	5	138	120
9.	HAND, FOOT & MOUTH DISEASE (HFMD)	111	28	39	1505	1393
10.	HIV INFECTION (all forms)	7	8	10	337	247
	HIV DEATH	1	0	0	0	22
11.	LEPROSY	0	0	0	6	3
12.	LEPTOSPIROSIS	0	2	2	165	105(11)
13.	MALARIA	1	0	1	12	9
14.	MEASLES	4	0	0	13	148
15.	PLAGUE	0	0	0	0	0
16.	ACUTE POLIOMYELITIS	0	0	0	0	0
17.	RABIES	0	0	0	0	0
18.	RELAPSING FEVER	0	0	0	0	0
19.	SYPHILIS (all forms)	0	0	0	45	57
20.	TETANUS (Neonatorum / Adult)	0	0	0	0	1
21.	TUBERCULOSIS (all forms)	54	37	37	1117	854
	TUBERCULOSIS DEATH	1	0	0	0	79
22.	TYPHOID & PARATYPHOID FEVER	0	0	0	7	4
23.	TYPHUS & OTHER RECKETTSIOSES	0	0	0	0	0
24.	VIRAL ENCEPHALITIS	0	0	0	0	1
25.	VIRAL HEPATITIS					
	a) Hepatitis A	0	0	0	3	2
	b) Hepatitis B	3	27	4	166	116(3)
	c) Hepatitis C	2	1	3	69	67(2)
	d) Other Hepatitis	0	0	0	1	2
26.	PERTUSSIS	0	0	0	4	6
27.	YELLOW FEVER	0	0	0	0	0
<b>OTHER DISEASES UNDER SURVEILLANCE</b>						
1	ACUTE FLACCID PARALYSIS (AFP)	0	0	0	1	2
2	ACUTE GASTROENTERITIS (AGE)	415	50	635	1369	8669
3	FILARIASIS	1	0	0	13	4
4	INFLUENZA-LIKE ILLNESS (ILI)	608	85	126	2800	19086
5	SEVERE ACUTE RESPIRATORY INFECTION (sARI)	18	3	0	11	246
6	MELIOIDOSIS	0	0	0	0	14
7	BRUCELLOSIS	0	0	0	0	7

## 2. COMMUNICABLE DISEASES 2012 – 2016, JOHORE STATE

DISEASE		2012	2013	2014	CUMULATIVE 2015	2016
<b>NOTIFIABLE DISEASES</b>						
1.	CHANCROID	0	0	0	0	0
2.	CHOLERA	0	0	0	0	0
3.	DENGUE FEVER	737	1274	2178	3437	7031(10)
	DENGUE HAEMORRHAGIC FEVER	31	31	14	4	5
4.	DIPHtherIA	0	0	0	0	0
5.	DYSENTERY (all types)	1	0	1	3	3
6.	EBOLA	0	0	0	0	0
7.	FOOD POISONING (episode)	0	16	27	23	28
	FOOD POISONING (case)	605	593	1072	675	1226(2)
8.	GONOCOCCAL INFECTION (all forms)	105	32	46	138	120
9.	HAND, FOOT & MOUTH DISEASE (HFMD)	1621	880	1017	1505	1393
10.	HIV INFECTION (all forms)	0	268	272	337	247
	HIV DEATH	0	0	0	0	22
11.	LEPROSY	4	7	4	6	3
12.	LEPTOSPIROSIS	21	23	82	165	105(11)
13.	MALARIA	28	30	14	12	9
14.	MEASLES	0	8	5	13	148
15.	PLAGUE	0	0	0	0	0
16.	ACUTE POLIOMYELITIS	0	0	0	0	0
17.	RABIES	0	0	0	0	0
18.	RELAPSING FEVER	0	0	0	0	0
19.	SYPHILIS (all forms)	64	16	37	45	57
20.	TETANUS (Neonatorum / Adult)	0	0	1	0	1
21.	TUBERCULOSIS (all forms)	1031	865	888	1117	854
	TUBERCULOSIS DEATH	0	0	0	0	79
22.	TYPHOID & PARATYPHOID FEVER	3	5	6	7	4
23.	TYPHUS & OTHER RECKETTSIOSES	0	0	0	0	0
24.	VIRAL ENCEPHALITIS	0	0	0	0	1
25.	VIRAL HEPATITIS					
	a) Hepatitis A	1	2	4	3	2
	b) Hepatitis B	80	73	84	166	116(3)
	c) Hepatitis C	64	104	71	69	67(2)
	d) Other Hepatitis	0	0	0	1	2
26.	PERTUSSIS	3	0	2	4	6
27.	YELLOW FEVER	0	0	0	0	0
<b>OTHER DISEASES UNDER SURVEILLANCE</b>						
1	ACUTE FLACCID PARALYSIS (AFP)	0	0	6	1	2
2	ACUTE GASTROENTERITIS (AGE)	15935	16099	13303	1369	8669
3	FILARIASIS	0	0	8	13	4
4	INFLUENZA-LIKE ILLNESS (ILI)	3522	3400	3206	2800	19086
5	SEVERE ACUTE RESPIRATORY INFECTION (sARI)	0	0	214	11	246
6	MELIOIDOSIS	0	0	0	0	14
7	BRUCellosIS	0	0	0	0	7

### 3. COMMUNICABLE DISEASES FOR CURRENT WEEK BY DISTRICT, 2016, JOHORE STATE

	DISEASE	JB	KJ	MR	LG	BP	KG	ST	PN	KT	MG	JOHORE
<b>NOTIFIABLE DISEASES</b>												
1.	CHANCROID	0	0	0	0	0	0	0	0	0	0	0
2.	CHOLERA	0	0	0	0	0	0	0	0	0	0	0
3.	DENGUE FEVER	92	7	1	1	5	2	5	0	20	1	134
	DENGUE HAEMORRHAGIC FEVER	1	0	0	0	0	0	0	0	0	0	1
4.	DIPHThERIA	0	0	0	0	0	0	0	0	0	0	0
5.	DYSENTERY (all types)	0	0	0	0	0	0	0	0	0	0	0
6.	EBOLA	0	0	0	0	0	0	0	0	0	0	0
7.	FOOD POISONING (episode)	0	0	0	0	0	0	0	0	0	0	0
	FOOD POISONING (case)	0	0	0	0	0	0	0	0	0	0	0
8.	GONOCOCCAL INFECTION (all forms)	0	1	0	0	7	0	0	0	0	0	8
9.	HAND, FOOT & MOUTH DISEASE (HFMD)	46	5	9	4	6	21	4	3	9	4	111
10.	HIV INFECTION (all forms)	5	0	0	0	1	0	0	0	1	0	7
	HIV DEATH	1	0	0	0	0	0	0	0	0	0	1
11.	LEPROSY	0	0	0	0	0	0	0	0	0	0	0
12.	LEPTOSPIROSIS	0	0	0	0	0	0	0	0	0	0	0
13.	MALARIA	0	0	0	0	0	0	0	0	0	1	1
14.	MEASLES	1	0	0	0	3	0	0	0	0	0	4
15.	PLAGUE	0	0	0	0	0	0	0	0	0	0	0
16.	ACUTE POLIOMYELITIS	0	0	0	0	0	0	0	0	0	0	0
17.	RABIES	0	0	0	0	0	0	0	0	0	0	0
18.	RELAPSING FEVER	0	0	0	0	0	0	0	0	0	0	0
19.	SYPHILIS (all forms)	0	0	0	0	0	0	0	0	0	0	0
20.	TETANUS (Neonatorum / Adult)	0	0	0	0	0	0	0	0	0	0	0
21.	TUBERCULOSIS (all forms)	20	5	8	1	0	9	2	5	3	1	54
	TUBERCULOSIS DEATH	0	0	0	0	0	1	0	0	0	0	1
22.	TYPHOID & PARATYPHOID FEVER	0	0	0	0	0	0	0	0	0	0	0
23.	TYPHUS & OTHER RECKETTSIOSES	0	0	0	0	0	0	0	0	0	0	0
24.	VIRAL ENCEPHALITIS	0	0	0	0	0	0	0	0	0	0	0
25.	VIRAL HEPATITIS											
	a) Hepatitis A	0	0	0	0	0	0	0	0	0	0	0
	b) Hepatitis B	0	0	0	0	3	0	0	0	0	0	3
	c) Hepatitis C	0	0	1	0	1	0	0	0	0	0	2
	d) Other Hepatitis	0	0	0	0	0	0	0	0	0	0	0
26.	WHOOPING COUGH	0	0	0	0	0	0	0	0	0	0	0
27.	YELLOW FEVER	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)	62	7	14	19	108	29	39	31	78	28	415
3	FILARIASIS	0	0	0	0	0	0	0	0	1	0	1
4	INFLUENZA-LIKE ILLNESS (ILI)	608										608
5	SEVERE ACUTE RESPIRATORY INFECTION (sARI)	18										18
6	MELIOIDOSIS	0	0	0	0	0	0	0	0	0	0	0
7	BRUCELLOSIS	0	0	0	0	0	0	0	0	0	0	0

#### 4. COMMUNICABLE DISEASES CUMULATIVE BY DISTRICT, 2016, JOHORE STATE

	DISEASE	JB	KJ	MR	LG	BP	KG	ST	PN	KT	MG	JOHORE
<b>NOTIFIABLE DISEASES</b>												
1.	CHANCROID	0	0	0	0	0	0	0	0	0	0	0
2.	CHOLERA	0	0	0	0	0	0	0	0	0	0	0
3.	DENGUE FEVER	5492(10)	347	76	35	173	204	212	106	351	35	7031(10)
	DENGUE HAEMORRHAGIC FEVER	4	0	0	0	0	0	0	0	1	0	5
4.	DIPHTHERIA	0	0	0	0	0	0	0	0	0	0	0
5.	DYSENTERY (all types)	2	1	0	0	0	0	0	0	0	0	3
6.	EBOLA	0	0	0	0	0	0	0	0	0	0	0
7.	FOOD POISONING (episode)	8	6	3	3	3	1	1	0	3	0	28
	FOOD POISONING (case)	287	30(2)	159	28	365	14	247	0	74	22	1226(2)
8.	GONOCOCCAL INFECTION (all forms)	52	11	0	1	35	2	1	3	11	4	120
9.	HAND, FOOT & MOUTH DISEASE (HFMD)	630	90	84	77	90	222	40	37	67	56	1393
10.	HIV INFECTION (all forms)	152	13	9	4	13	12	13	15	11	5	247
	HIV DEATH	6	0	0	1	2	2	3	5	1	2	22
11.	LEPROSY	2	0	0	0	1	0	0	0	0	0	3
12.	LEPTOSPIROSIS	43(9)	10	17(1)	4	5	4(1)	7	5	6	4	105(11)
13.	MALARIA	1	0	1	0	0	1	2	1	1	2	9
14.	MEASLES	114	8	6	0	8	5	2	3	2	0	148
15.	PLAGUE	0	0	0	0	0	0	0	0	0	0	0
16.	ACUTE POLIOMYELITIS	0	0	0	0	0	0	0	0	0	0	0
17.	RABIES	0	0	0	0	0	0	0	0	0	0	0
18.	RELAPSING FEVER	0	0	0	0	0	0	0	0	0	0	0
19.	SYPHILIS (all forms)	39	9	2	0	2	2	0	1	0	2	57
20.	TETANUS (Neonatorum / Adult)	1	0	0	0	0	0	0	0	0	0	1
21.	TUBERCULOSIS (all forms)	416	64	52	30	58	73	47	42	50	22	854
	TUBERCULOSIS DEATH	31	2	3	5	24	4	2	2	4	2	79
22.	TYPHOID & PARATYPHOID FEVER	2	0	1	0	0	0	0	0	0	1	4
23.	TYPHUS & OTHER RECKETTSIOSES	0	0	0	0	0	0	0	0	0	0	0
24.	VIRAL ENCEPHALITIS	0	0	0	0	0	0	0	0	1	0	1
25.	VIRAL HEPATITIS											
	a) Hepatitis A	1	0	0	0	1	0	0	0	0	0	2
	b) Hepatitis B	60	9	7	2	7	4(1)	5	7(1)	13	2(1)	116(3)
	c) Hepatitis C	16(1)	1	5	4(1)	7	12	2	9	11	0	67(2)
	d) Other Hepatitis	1	0	0	0	0	0	0	0	1	0	2
26.	WHOOPING COUGH	0	1	1	0	0	2	2	0	0	0	6
27.	YELLOW FEVER	0	0	0	0	0	0	0	0	0	0	0
<b>OTHER DISEASES UNDER SURVEILLANCE</b>												
1	ACUTE FLACCID PARALYSIS (AFP)	1	0	0	1	0	0	0	0	0	0	2
2	ACUTE GASTROENTERITIS (AGE)	1294	72	342	427	1968	1113	1006	465	1447	535	8669
3	FILARIASIS	0	0	0	0	1	0	0	2	1	0	4
4	INFLUENZA-LIKE ILLNESS (ILI)	19086										19086
5	SEVERE ACUTE RESPIRATORY INFECTION (sARI)	246										246
6	MELIOIDOSIS	1	1	3	0	2	2	2	3	0	0	14
7	BRUCELLOSIS	3	0	4	0	0	0	0	0	0	0	7

## 5. CLUSTER / OUTBREAK BY DISTRICT, 2016, JOHORE STATE

DISEASES		JB	KJ	MR	LG	BP	KG	ST	PN	KT	MG	JOHORE
1	ACUTE GASTROENTERITIS (AGE)	1	0	0	0	0	0	0	0	0	0	1
2	CHICKEN POX	1	0	0	0	0	0	0	0	0	0	1
3	CONJUNCTIVITIS	0	0	0	0	0	0	0	0	0	2	2
4	FOOD POISONING	13	6	2	2	4	0	1	0	3	1	32
5	HAND, FOOT & MOUTH DISEASE (HFMD)	20	4	0	6	0	14	1	0	2	2	49
6	HEPATITIS A	0	0	0	0	0	0	0	0	0	0	0
7	INFLUENZA/(ILI)	5	0	1	0	0	0	0	0	0	0	6
8	LEPTOSPIROSIS	0	0	0	0	0	0	0	0	0	0	0
9	MEASLES	9	0	1	0	0	0	0	0	0	0	10
10	MUMPS	0	0	0	0	0	0	0	0	0	1	1
11	UPPER RESPIRATORY TRACT INFECTION (URTI)/	5	0	0	0	0	0	0	0	0	0	5
12	SCABIES	1	0	0	0	0	0	0	0	0	0	1
13	RUBELLA	0	0	0	0	0	0	0	0	0	0	0

## 6. INFLUENZA SURVEILLANCE 2015- 2016, JOHORE STATE

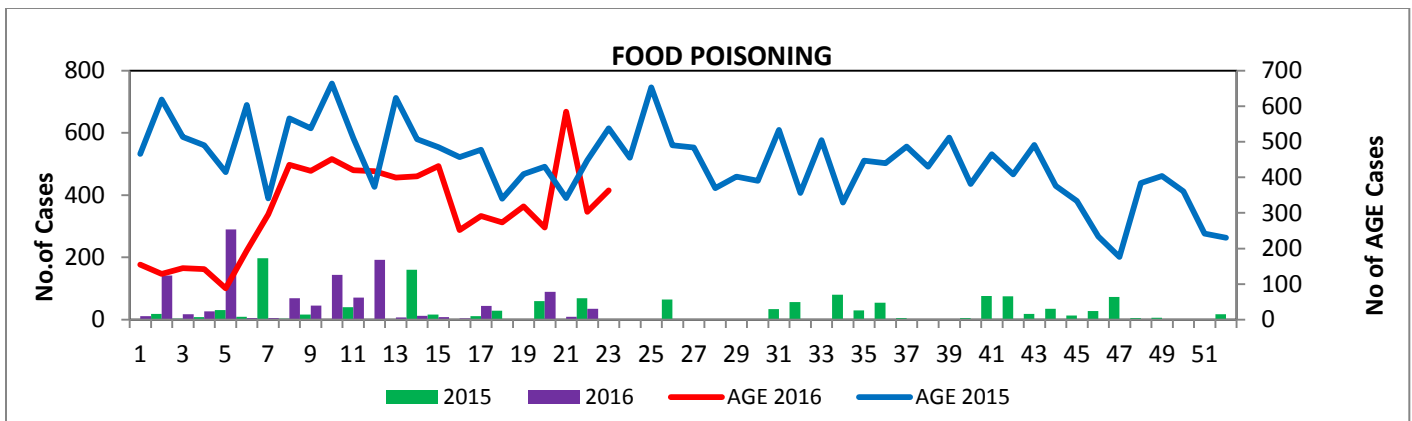
### 6.1 ILI SURVEILLANCE (KPL MAHMOODIAH)

ILI Surveillance	EW 23					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	63	204	260	81	608	1684	5387	9263	2752	19086
Total Outpatient Attendances	414	1037	1520	639	3610	9488	26974	49605	23782	109849

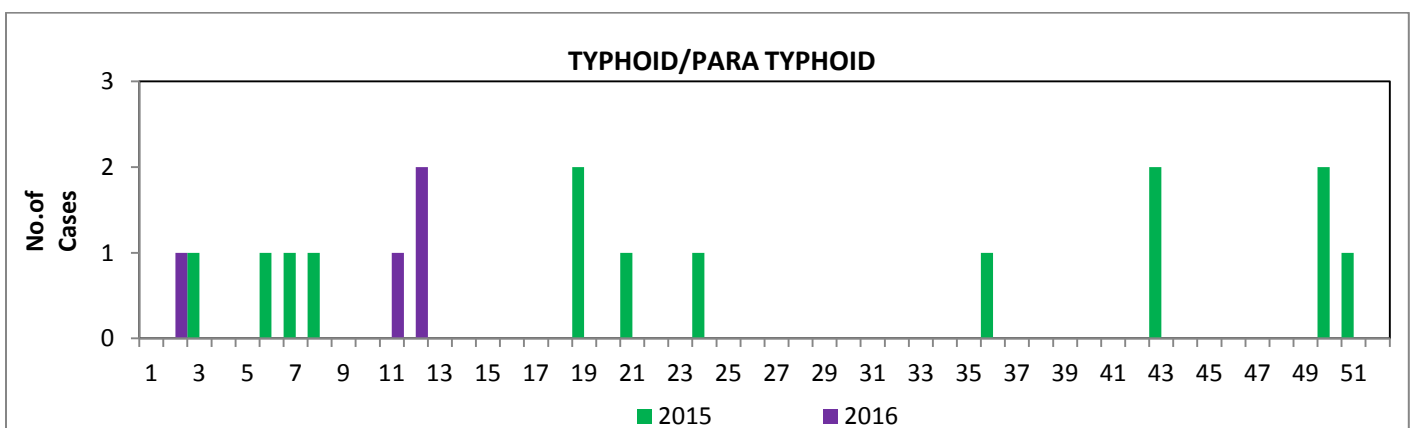
### 6.2 sARI SURVEILLANCE (HOSPITAL SULTANAH AMINAH, JOHOR BAHRU)

sARI Surveillance	EW 23			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)	8	10	18	146	100	246

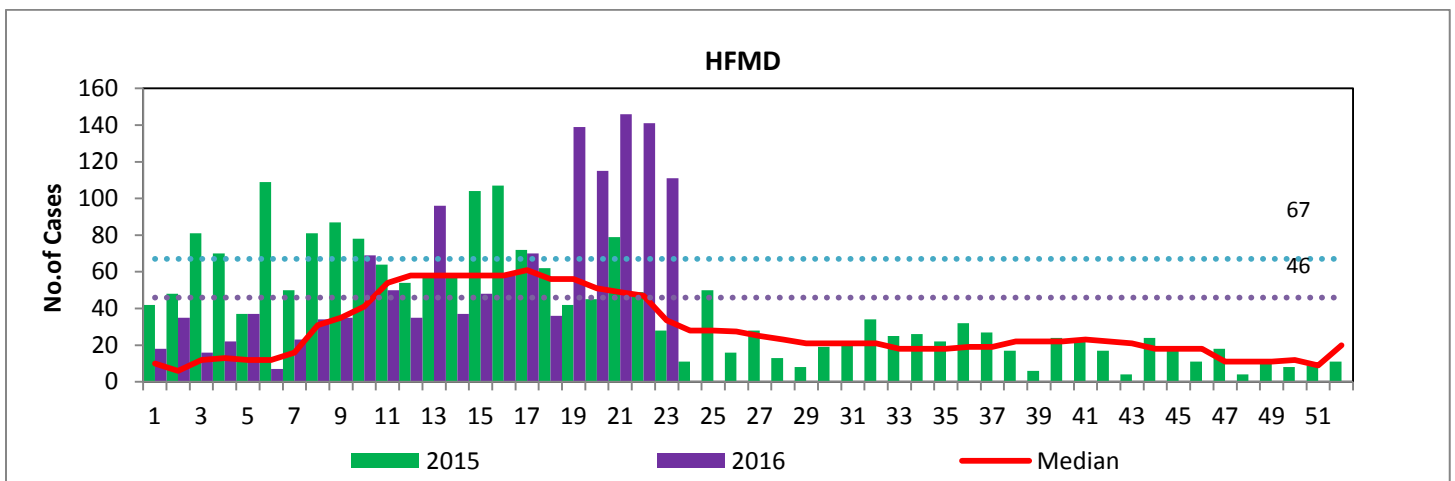
## 7. WEEKLY CASES OF FOOD POISONING, 2015—2016



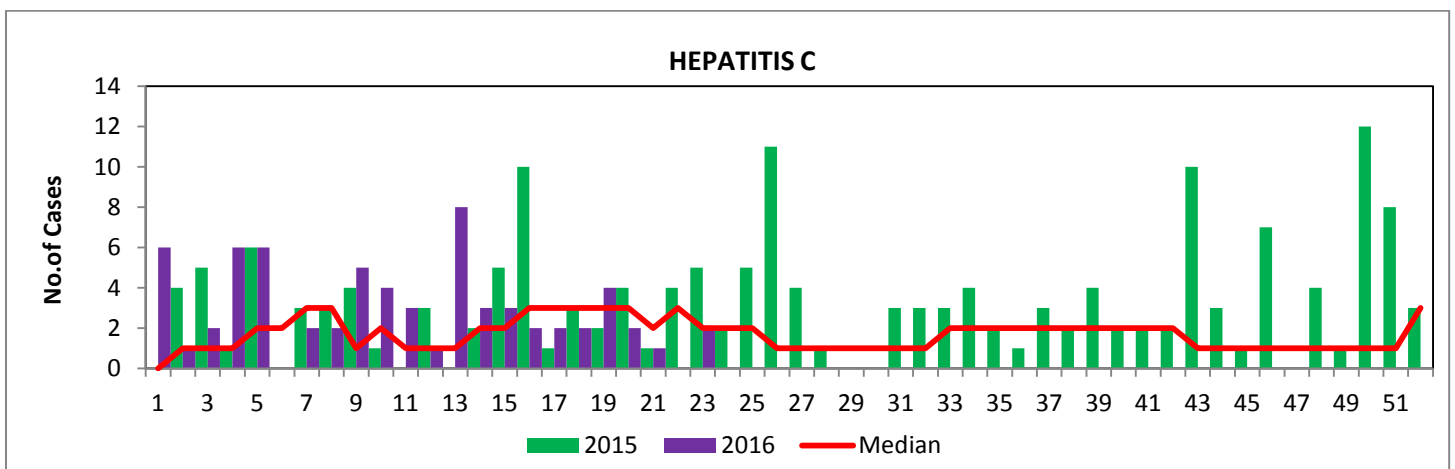
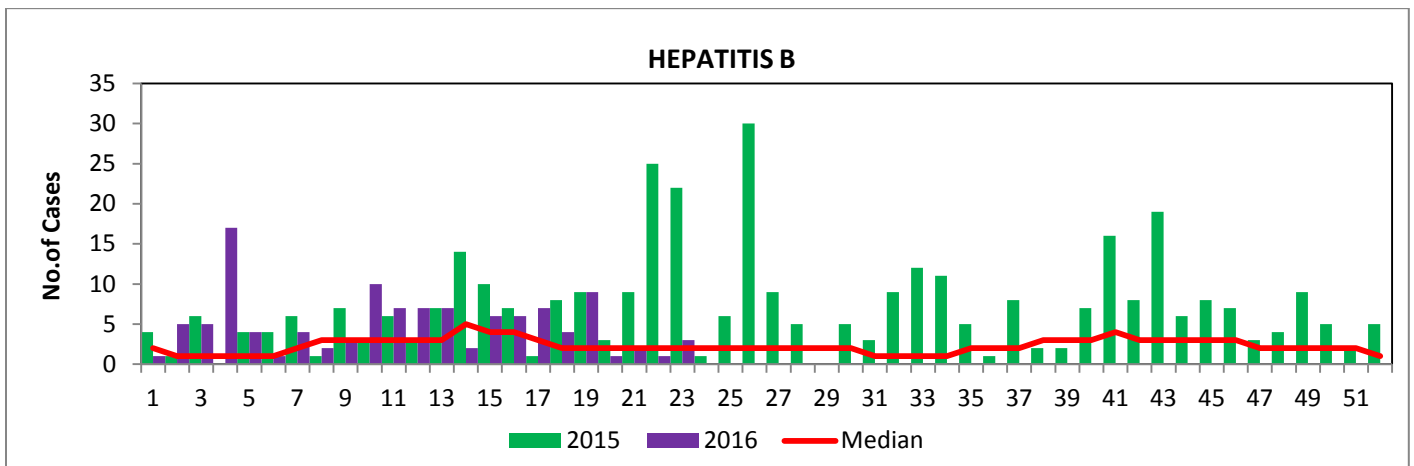
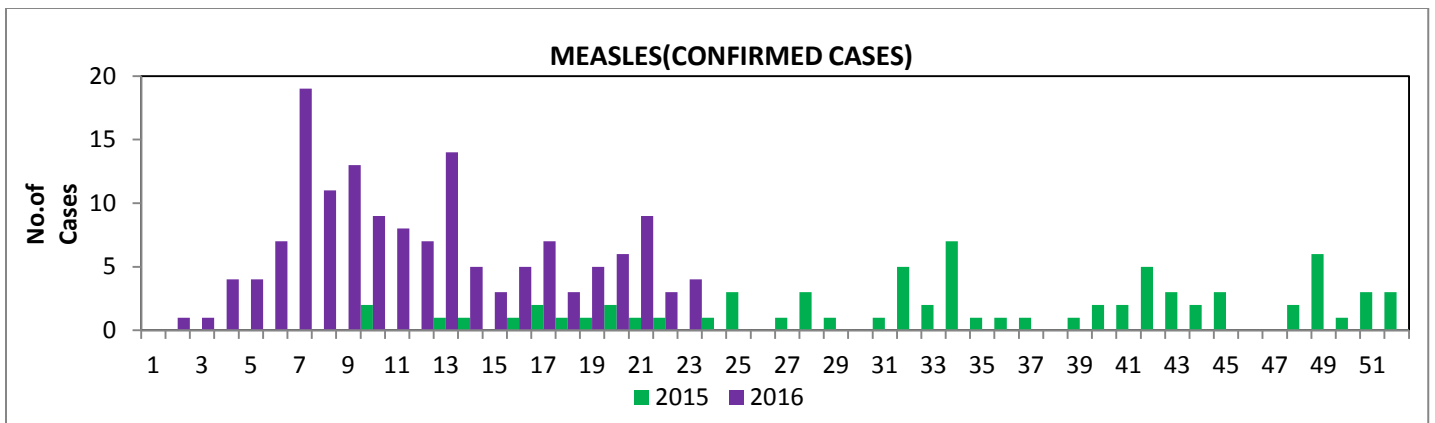
## 8. WEEKLY CASES OF OTHER FOOD WATERBORNE DISEASES, 2015—2016



## 9. WEEKLY CASES OF AIR/DROPLET BORNE DISEASES, 2015—2016



## 10. WEEKLY CASES OF VACCINE PREVENTABLE DISEASES, 2015—2016





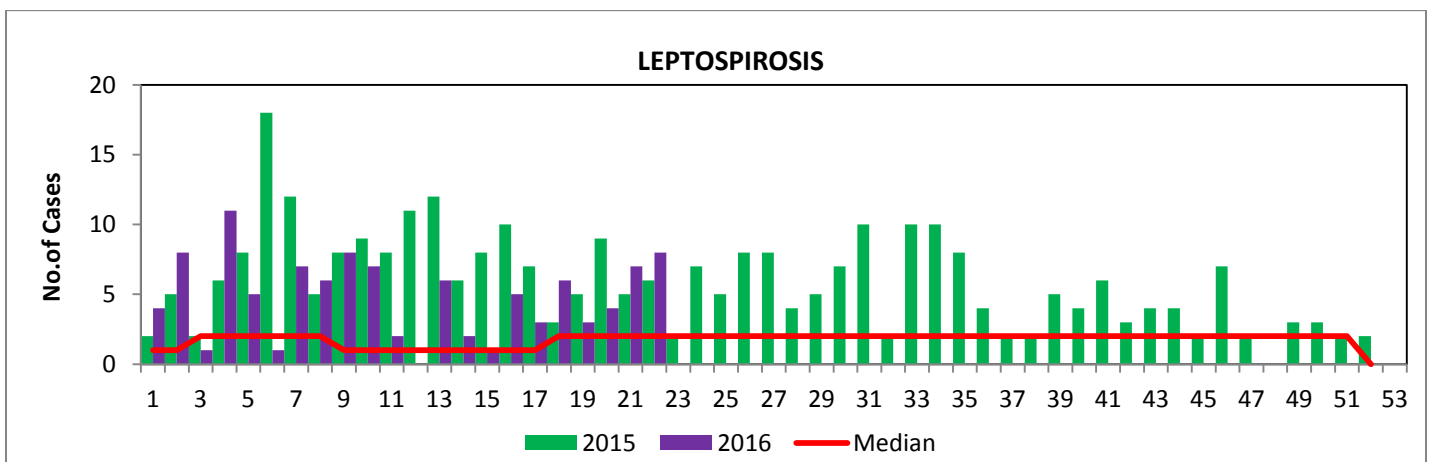
## 10.2 MEASLES ENHANCED SURVEILLANCE DATA (Cumulative)

Case classification	Frequency
Clinically confirmed	13
Epidemiologically confirmed	15
Lab confirmed	148
Discarded	82
Pending	29

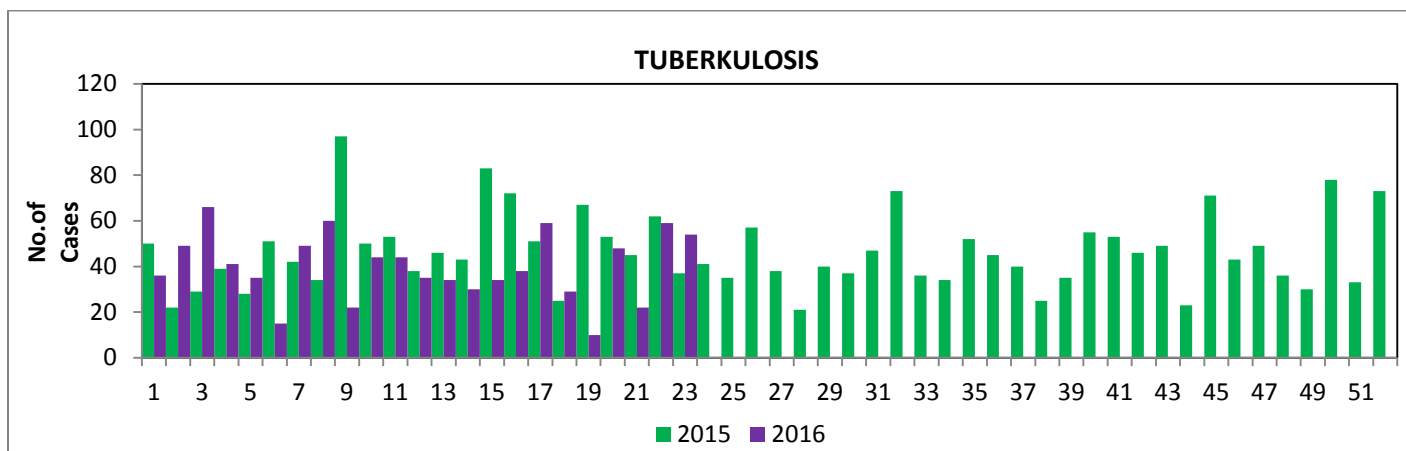
Total notifications	287
Incidence rate	79.9 per 1 million population

Indicator	Achievement	Target
Cases notified within 48 hours of rash onset	40%	100%
Cases investigated within 48 hours	95%	>80%
Sample taken for confirmation	91%	>80%
Cases classified	97%	100%
Confirmed case with source of infection identified	87%	>80%
Death	0	0

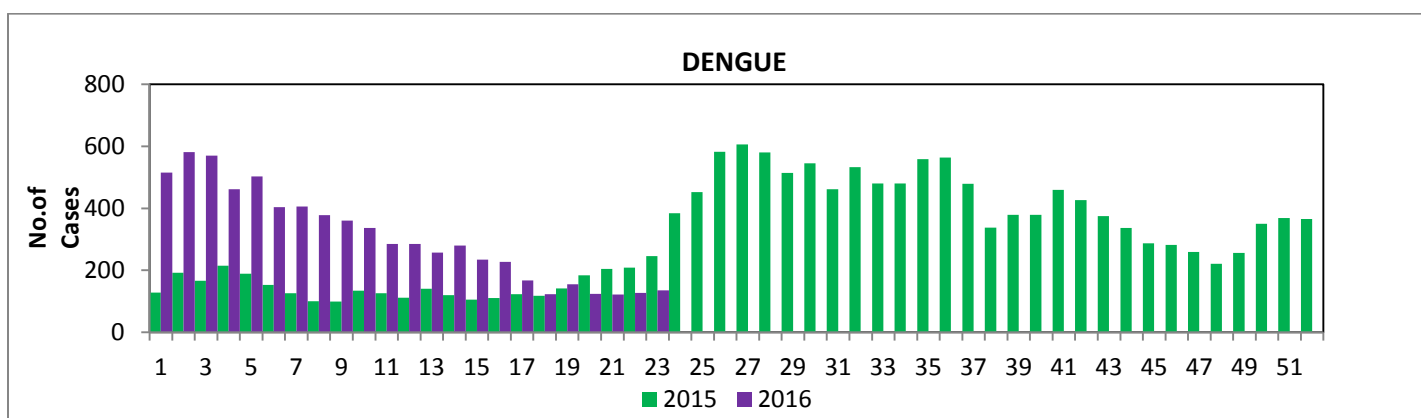
## 11. LEPTOSPIROSIS



## 12. TUBERCULOSIS



## 13. DENGUE



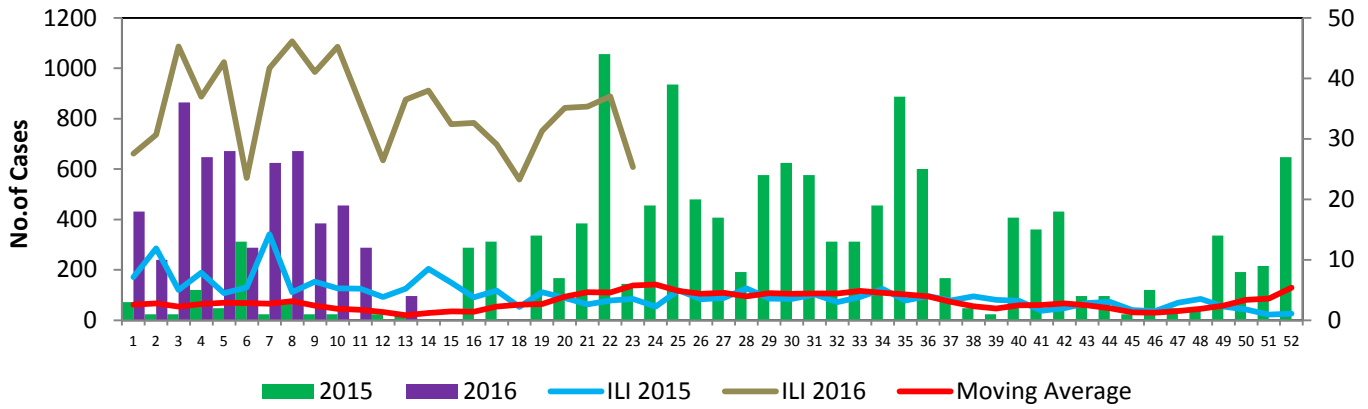
## 14. LABORATORY BASED SURVEILLANCE

### 14.1 Enteric Pathogen Identified During Food Poisoning / AGE Event 2016 – 2015, Johor State

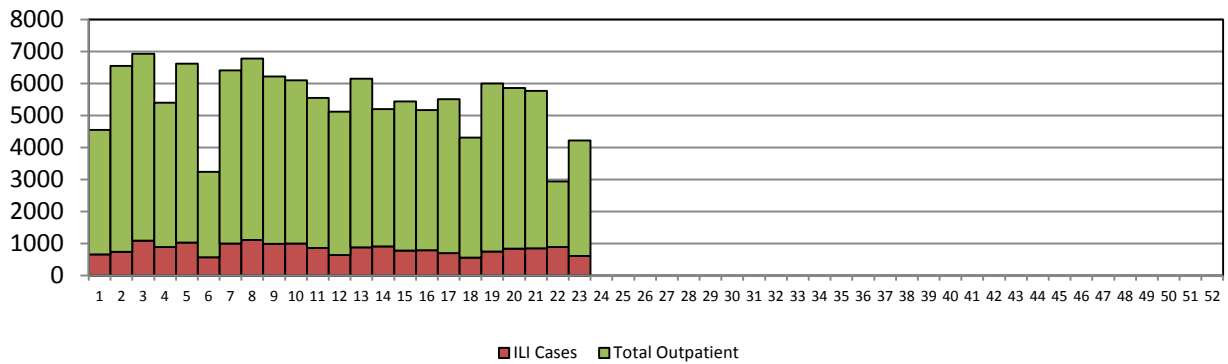
Analysis	No. of sample received		No. of positive sample	
	EW 23 2016	Cumulative 2015	EW 23 2016	Cumulative 2015
1 <i>Salmonella typhi/Salmonella spp.</i>	3	22	606	359
2 <i>Yersinia enterocolitica</i>	1	20	362	280
3 <i>Vibrio cholerae/Vibro para</i>	1	20	366	280
4 <i>Plesiomonas shigelloides/spp</i>	1	20	362	280
5 <i>Enteropathogenic E.coli (EPEC,EHEC)</i>	1	20	362	280
6 <i>Aeromonas hydrophilia/spp</i>	1	20	362	280
7 <i>Shigella spp.</i>	1	20	362	280
8 <i>Bacillus cereus (positive enterotoxin)</i>	1	20	362	280
9 <i>Staphylococcus aureus (positive enterotoxin)</i>	1	20	362	280
10 <i>Campylobacter jejuni/coli/spp</i>	1	20	362	280

## 15. INFLUENZA SURVEILLANCE

### INFLUENZA A



### ILI SURVEILLANCE JOHOR 2016



### sARI SURVEILLANCE JOHOR 2016

