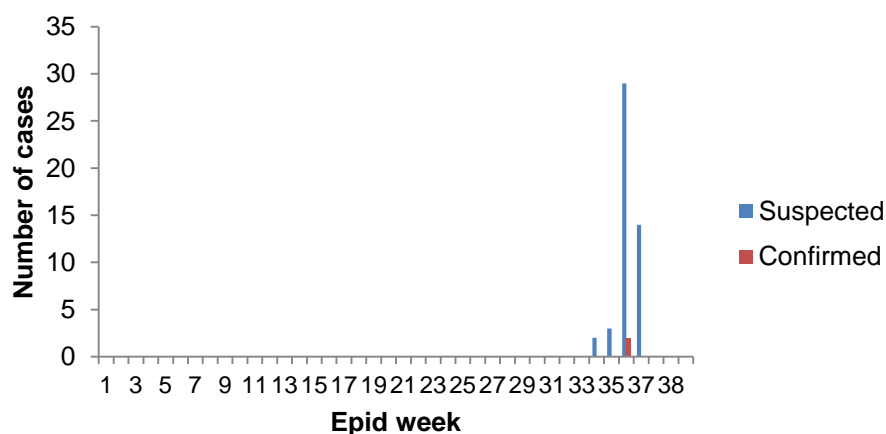


## OUTBREAKS / CLUSTERS / UNUSUAL EVENTS EW 37

No	District	Locality	Disease /event	Number of cases
1	Johor Bahru	Tmn.Delima 2, JB	Food Poisoning	4
2	Kota Tinggi	Asrama SINOPEC ENGINEERING, Kota Tinggi	Food Poisoning	17

**Graph 1: Number of suspected and confirmed Zika case in Johor State until epid week 37 , 2016**



## Weekly highlights

A total of 6 confirmed Zika cases was reported until 13<sup>th</sup> of September 2016 in Malaysia from the 79 suspected cases have been notified thus far. As reported by Institute of Medical Research, the first two cases were of Asian lineage; the first case registered in Johor depicting the French Polynesian genome sequence and the case from Sabah depicting the local (Micronesia) genome sequence.

“Updated Zika Alert” Dan Arahan Pentadbiran Untuk Pemantauan Dan Pengurusan Jangkitan Virus Zika can be downloaded at this website:

[http://www.moh.gov.my/index.php/database\\_stores/store\\_view\\_page/10/292](http://www.moh.gov.my/index.php/database_stores/store_view_page/10/292).

### 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](#)

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

DISEASE		EW 37 2016	EW 37 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	121	563	91	10171	9147(12)
	DENGUE HAEMORRHAGIC FEVER	0	1	0	10	6
4.	DIPHTHERIA	0	0	0	0	0
5.	DYSENTERY (all types)	0	1	0	9	3
6.	EBOLA	0	0	0	0	0
7.	FOOD POISONING (episode)	0	1	1	34	65
	FOOD POISONING (case)	0	54	30	996	1657(2)
8.	GONOCOCCAL INFECTION (all forms)	2	11	4	198	225
9.	HAND, FOOT & MOUTH DISEASE (HFMD)	73	32	19	1811	3154
10.	HIV INFECTION (all forms)	4	4	4	477	421
	HIV DEATH	0	0	0	0	54
11.	LEPROSY	0	0	0	6	6
12.	LEPTOSPIROSIS	3	4	2	251	163(14)
13.	MALARIA	0	0	1	26	19
14.	MEASLES	0	1	0	39	201
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	1	0	79	109(1)
20.	TETANUS (Neonatorum / Adult)	0	0	0	2	1
21.	TUBERCULOSIS (all forms)	26	45	27	1673	1518
	TUBERCULOSIS DEATH	1	0	0	0	30
22.	TYPHOID & PARATYPHOID FEVER	0	1	0	9	6(1)
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	8	2
	b) Hepatitis B	7	3	3	281	201(5)
	c) Hepatitis C	2	2	1	112	111(3)
	d) Other Hepatitis	0	0	0	1	2
26.	PERTUSSIS	0	0	0	12	10
27.	YELLOW FEVER	0	0	0	0	0
<b>OTHER DISEASES UNDER SURVEILLANCE</b>						
1	ACUTE FLACCID PARALYSIS (AFP)	0	0	0	1	10
2	ACUTE GASTROENTERITIS (AGE)	117	45	806	1968	11527
3	FILARIASIS	0	0	0	15	5
4	INFLUENZA-LIKE ILLNESS (ILI)	901	96	132	4010	31187
5	SEVERE ACUTE RESPIRATORY INFECTION (sARI)	18	1	0	20	495
6	MELIOIDOSIS	0	0	0	0	14
7	BRUCELLOSIS	0	0	0	0	7
8	ZIKA	0	0	0	0	2

## 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	1136	2716	3995	10171	9147(12)
	DENGUE HAEMORRHAGIC FEVER	42	49	26	10	6
4.	DIPHTHERIA	0	0	0	0	0
5.	DYSENTERY (all types)	1	0	1	9	3
6.	EBOLA	0	0	0	0	0
7.	FOOD POISONING (episode)	0	33	36	34	65
	FOOD POISONING (case)	966	986	1643	996	1657(2)
8.	GONOCOCCAL INFECTION (all forms)	172	99	88	198	225
9.	HAND, FOOT & MOUTH DISEASE (HFMD)	2106	1308	1346	1811	3154
10.	HIV INFECTION (all forms)	0	430	463	477	421
	HIV DEATH	0	0	0	0	54
11.	LEPROSY	6	12	7	6	6
12.	LEPTOSPIROSIS	59	39	165	251	163(14)
13.	MALARIA	64	47	30	26	19
14.	MEASLES	0	10	9	39	201
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)	86	32	45	79	109(1)
20.	TETANUS (Neonatorum / Adult)	1	0	1	2	1
21.	TUBERCULOSIS (all forms)	1468	1407	1408	1673	1518
	TUBERCULOSIS DEATH	0	0	0	0	30
22.	TYPHOID & PARATYPHOID FEVER	3	13	9	9	6(1)
23.	TYPHUS & OTHER RECKETTSIOSES	0	0	0	0	0
24.	VIRAL ENCEPHALITIS	0	0	0	0	1
25.	VIRAL HEPATITIS					
	a) Hepatitis A	2	2	4	8	2
	b) Hepatitis B	178	112	133	281	201(5)
	c) Hepatitis C	91	133	96	112	111(3)
	d) Other Hepatitis	0	0	0	1	2
26.	PERTUSSIS	4	1	4	12	10
27.	YELLOW FEVER	0	0	0	0	0
<b>OTHER DISEASES UNDER SURVEILLANCE</b>						
1	ACUTE FLACCID PARALYSIS (AFP)	0	0	10	1	10
2	ACUTE GASTROENTERITIS (AGE)	26577	26237	22051	1968	11527
3	FILARIASIS	0	0	11	15	5
4	INFLUENZA-LIKE ILLNESS (ILI)	6434	5453	5328	4010	31187
5	SEVERE ACUTE RESPIRATORY INFECTION (sARI)	0	0	353	20	495
6	MELIOIDOSIS	0	0	0	0	14
7	BRUCELLOSIS	0	0	0	0	7
8	ZIKA	0	0	0	0	2

### 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	97	4	6	3	1	2	2	0	5	1	121
	DENGUE HAEMORRHAGIC FEVER	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	2	0	0	0	0	0	2
9.	HAND, FOOT & MOUTH DISEASE (HFMD)	23	3	4	20	4	7	1	8	3	0	73
10.	HIV INFECTION (all forms)	0	0	0	0	1	2	1	0	0	0	4
	HIV DEATH	0	0	0	0	0	0	0	0	0	0	0
11.	LEPROSY	0	0	0	0	0	0	0	0	0	0	0
12.	LEPTOSPIROSIS	2	0	0	0	0	0	0	1	0	0	3
13.	MALARIA	0	0	0	0	0	0	0	0	0	0	0
14.	MEASLES	0	0	0	0	0	0	0	0	0	0	0
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	0	4	0	0	0	0	1	1	0	26
	TUBERCULOSIS DEATH	1	0	0	0	0	0	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	6	0	0	0	1	0	7
	c) Hepatitis C	0	0	0	0	1	0	0	1	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)	31	0	0	0	0	0	62	0	0	24	117
3	FILARIASIS	0	0	0	0	0	0	0	0	0	0	0
4	INFLUENZA-LIKE ILLNESS (ILI)	901										901
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
8	ZIKA	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	7111(12)	438	131	61	226	262	267	126	470	55	9147
	DENGUE HAEMORRHAGIC FEVER	5	0	0	0	0	0	0	0	1	0	6
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)	24	14	3	2	5	2	1	3	10	1	65
	FOOD POISONING (case)	379	152	220	28	376	29	247	35	169	22	1657
8.	GONOCOCCAL INFECTION (all forms)	109	22	2	1	61	2	1	6	14	7	225
9.	HAND, FOOT & MOUTH DISEASE (HFMD)	1430	277	223	207	195	376	63	122	181	80	3154
10.	HIV INFECTION (all forms)	252	18	30	6	28	24	18	22	14	9	421
	HIV DEATH	14	1	6	3	6	3	7	7	2	5	54
11.	LEPROSY	4	0	0	0	1	0	0	0	0	1	6
12.	LEPTOSPIROSIS	67(11)	17	19(!)	5	11	3(1)	16	9	10(1)	6	163(14)
13.	MALARIA	3	0	2	1	4	2	1	1	2	3	19
14.	MEASLES	132	13	13	0	11	22	3	3	4	0	201
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)	69(1)	18	7	0	5	5	2	1	0	2	109(1)
20.	TETANUS (Neonatorum / Adult)	1	0	0	0	0	0	0	0	0	0	1
21.	TUBERCULOSIS (all forms)	723	105	105	55	134	126	68	63	104	35	1518
	TUBERCULOSIS DEATH	12	4	2	4	0	2	1	1	4	0	30
22.	TYPHOID & PARATYPHOID FEVER	2	0	1	2	0	0	0	0	0	1	6
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	92	10	29(2)	2	20	7(1)	8	9(1)	22	2(1)	201(5)
	c) Hepatitis C	25(1)	2	10(1)	7(1)	23	15	4	10	14	1	111(3)
	d) Other Hepatitis	1	0	0	0	0	0	0	0	1	0	2
26.	WHOOPING COUGH	0	1	1	0	0	6	2	0	0	0	10
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)	4	0	1	1	3	1	0	0	0	0	10
2	ACUTE GASTROENTERITIS (AGE)	1830	107	372	531	2392	1191	1878	584	1737	905	11527
3	FILARIASIS	0	0	0	0	1	0	0	2	2	0	5
4	INFLUENZA-LIKE ILLNESS (ILI)	31187										31187
5	SEVERE ACUTE RESPIRATORY INFECTION (sARI)	495										495
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
8	ZIKA	2	0	0	0	0	0	0	0	0	0	2

## 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	1	1
4	FOOD POISONING	24	14	3	2	5	2	1	3	10	1	65
5	HAND, FOOT & MOUTH DISEASE (HFMD)	42	10	2	7	0	18	1	0	5	2	87
6	HEPATITIS A	0	0	0	0	0	0	0	0	0	0	0
7	INFLUENZA/(ILI)	6	0	1	0	0	0	1	0	0	0	8
8	LEPTOSPIROSIS	0	0	0	0	0	0	0	0	0	0	0
9	MEASLES	7	0	2	0	0	0	0	0	0	0	9
10	MUMPS	0	0	0	0	0	0	0	0	0	1	1
11	UPPER RESPIRATORY TRACT INFECTION (URTI)/	4	0	0	0	0	0	0	0	0	0	4
12	SCABIES	2	0	0	0	0	0	0	0	0	0	2
13	RUBELLA	0	0	0	0	0	0	0	0	0	0	0

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

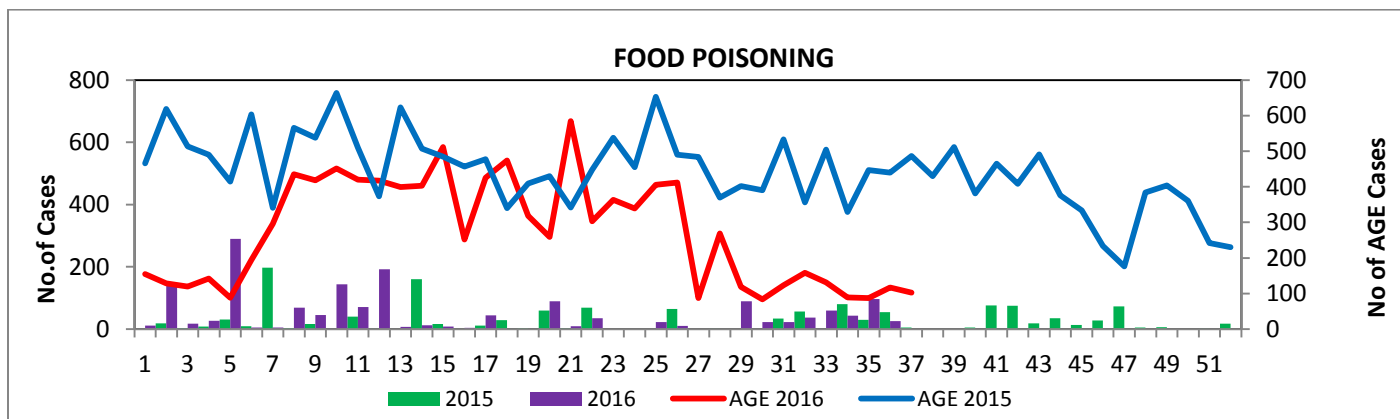
### 6.1 ILI SURVEILLANCE (KPL MAHMOODIAH)

ILI Surveillance	EW 37					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	85	239	422	155	901	2727	8844	15097	4519	31187
Total Outpatient Attendances	536	1454	2171	1183	5344	16071	44670	79650	37989	178380

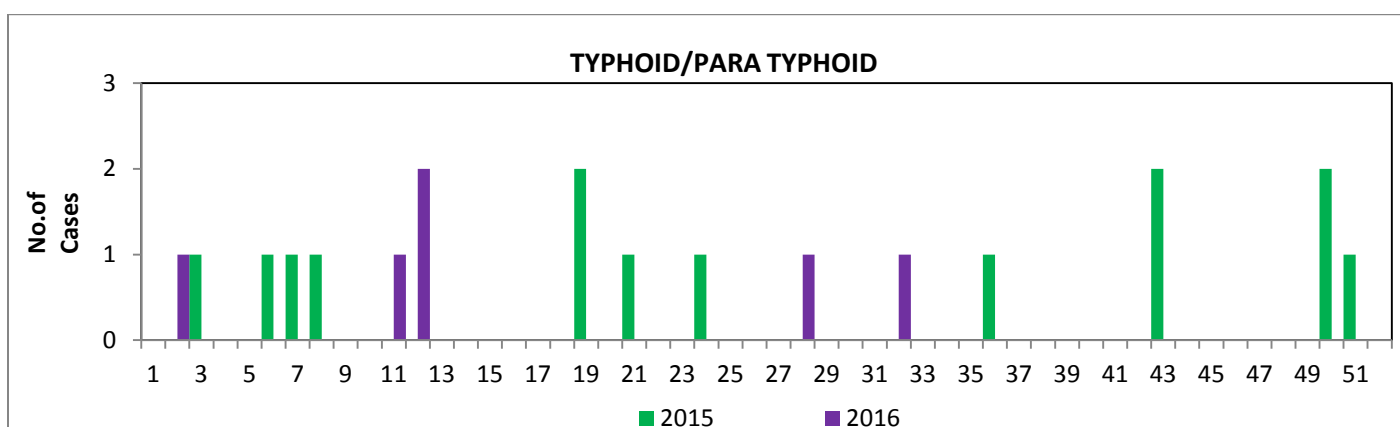
### 6.2 sARI SURVEILLANCE (HOSPITAL SULTANAH AMINAH, JOHOR BAHRU)

sARI Surveillance	EW 37			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)	14	4	18	338	157	495

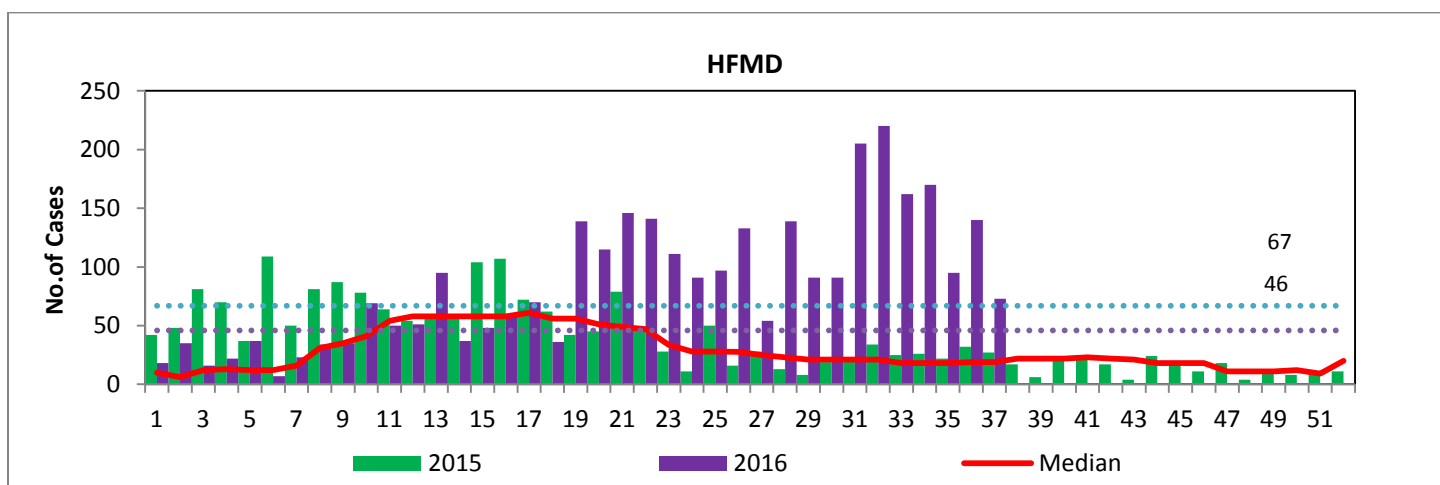
### 7. WEEKLY CASES OF FOOD POISONING, 2015—2016



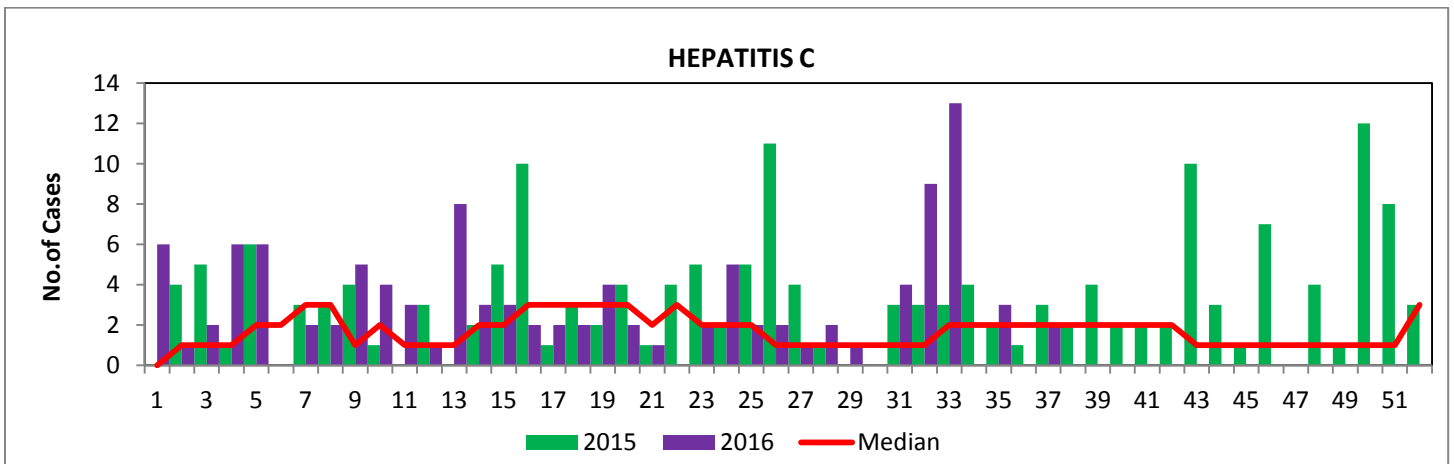
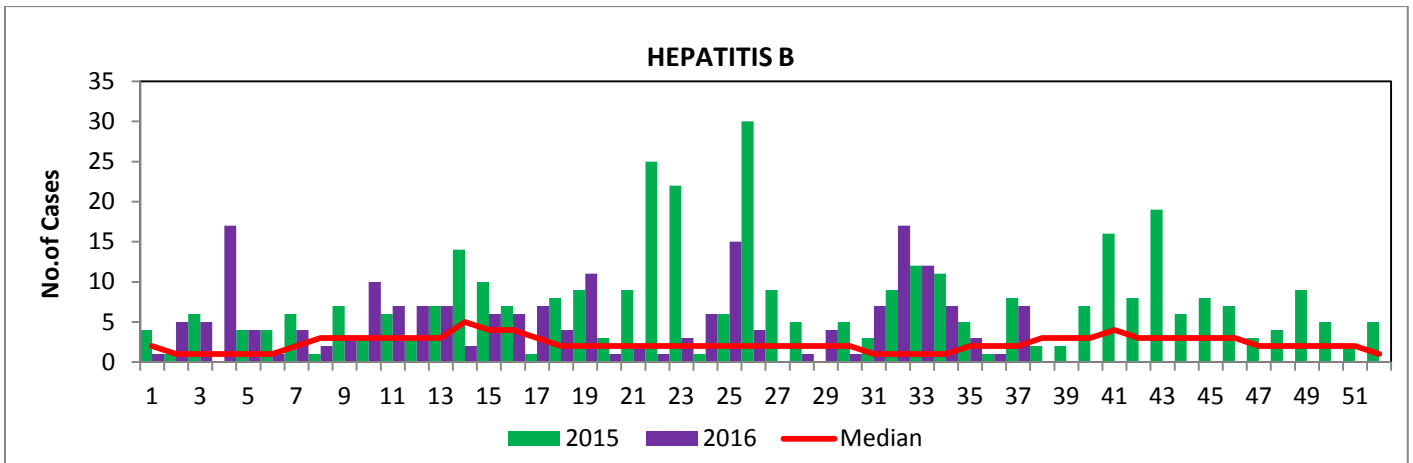
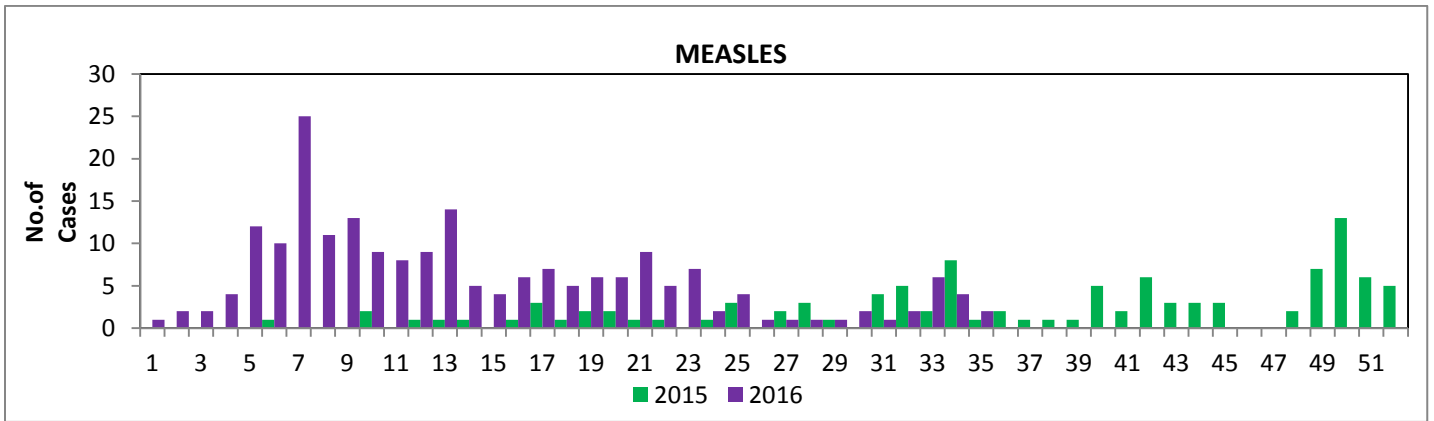
### 8. WEEKLY CASES OF OTHER FOOD WATERBORNE DISEASES, 2015—2016



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



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





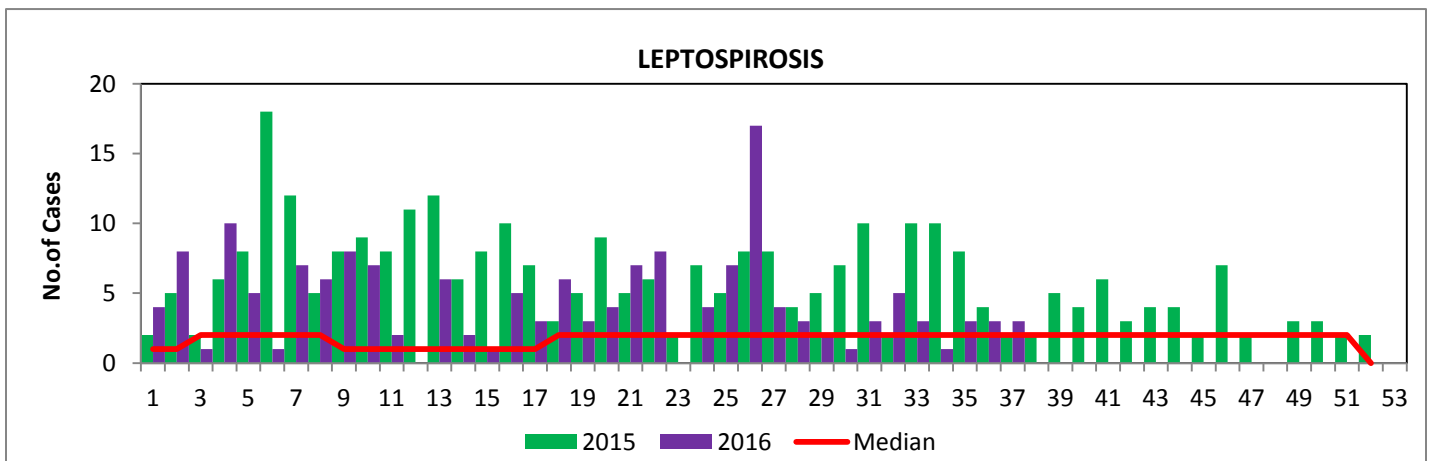
## 10.2 MEASLES ENHANCED SURVEILLANCE DATA (Cumulative)

Case classification	Frequency
Clinically confirmed	7
Epidemiologically confirmed	16
Lab confirmed	178
Discarded	158
Pending	38

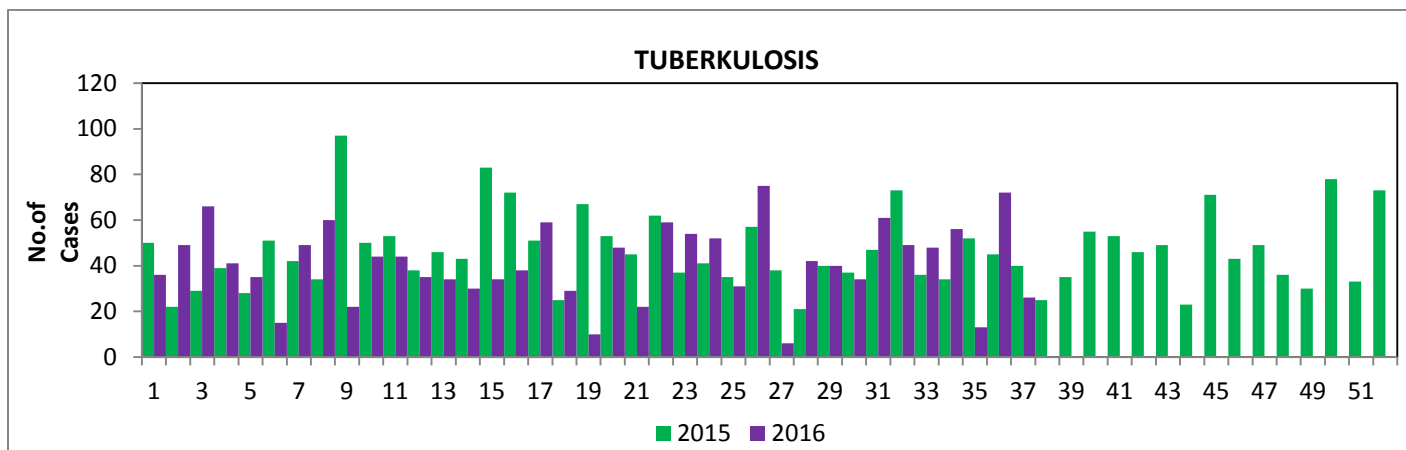
Total notifications	397
Incidence rate	110.5 per 1 million population

Indicator	Achievement	Target
Cases notified within 48 hours of rash onset	45%	100%
Cases investigated within 48 hours	95%	>80%
Sample taken for confirmation	91%	>80%
Cases classified	90%	100%
Confirmed case with source of infection identified	91%	>80%
Death	0	0

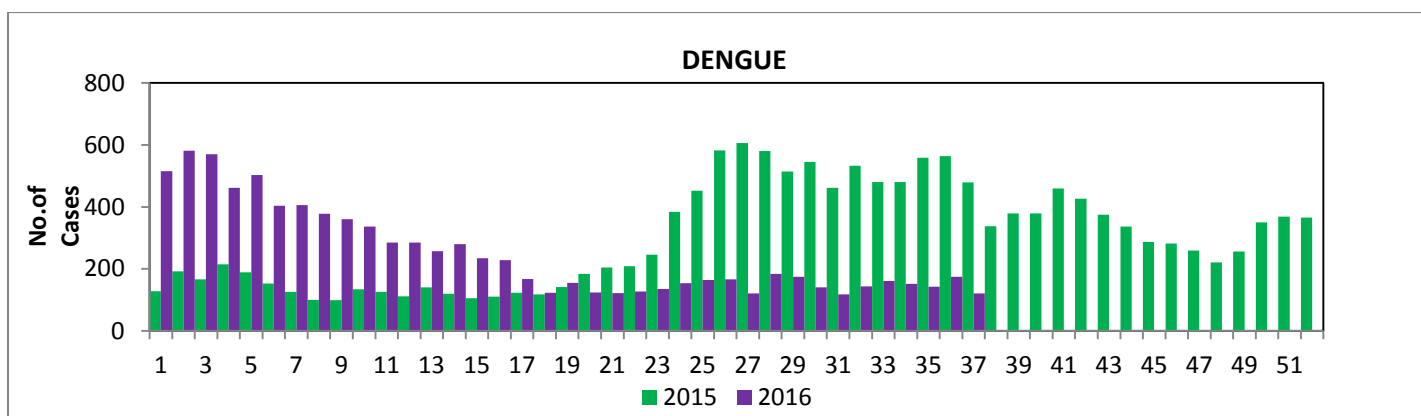
## 11. LEPTOSPIROSIS



## 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 37 2016	Cumulative 2015	EW 37 2016	Cumulative 2015
1 <i>Salmonella typhi</i> / <i>Salmonella spp.</i>	0	0	728	391
2 <i>Yersinia enterocolitica</i>	0	0	473	308
3 <i>Vibrio cholerae</i> / <i>Vibro para</i>	0	0	493	308
4 <i>Plesiomonas shigelloides/spp</i>	0	0	473	308
5 <i>Enteropathogenic E.coli</i> ( <i>EPEC</i> , <i>EHEC</i> )	0	0	473	308
6 <i>Aeromonas hydrophilia/spp</i>	0	0	473	308
7 <i>Shigella spp.</i>	0	0	473	308
8 <i>Bacillus cereus</i> (positive enterotoxin)	0	0	473	308
9 <i>Staphylococcus aureus</i> (positive enterotoxin)	0	0	473	308
10 <i>Campylobacter jejuni/coli/spp</i>	0	0	473	308

# 15. INFLUENZA SURVEILLANCE

