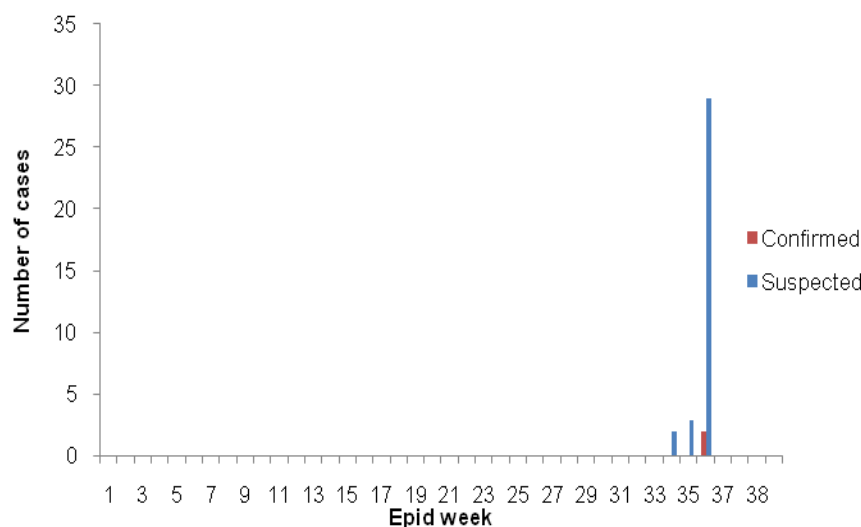


## OUTBREAKS / CLUSTERS / UNUSUAL EVENTS EW 36

No	District	Locality	Disease /event	Number of cases
1	JB	TAMAN MAWAR, PASIR GUDANG	HFMD	2
2	KULAI	INDAHPURA, 81000 KULAI, JOHOR	Keracunan makanan	9

**Graph 1: Number of suspected and confirmed Zika case in Johor State until epid week 36 , 2016**



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

## Weekly highlights

6th of September 2016: The Ministry of Health (MOH) has received a report on the third case of Zika virus infection, a Chinese woman aged 27 years old, who lives in Taman Desa Harmoni, Johor Bharu. The woman is expecting her first child with a gestational age of 4 months. The patient began experiencing symptoms of rash, fever and body ache on 2<sup>nd</sup> of September 2016. She was treated at the government hospital on 5th September 2016 after being referred by private practitioners, and later admitted to the hospital for further investigation. On 6th September 2016, the confirmatory test is positive for Zika in this woman. Her husband who is working in Singapore, was also a confirmed case of Zika virus infection after being symptomatic at the same time with his wife.

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

DISEASE		EW 36 2016	EW 36 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	174	563	100	10171	8979
	DENGUE HAEMORRHAGIC FEVER	0	1	1	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)	1	1	0	34	54
	FOOD POISONING (case)	26	54	13	996	1657
8.	GONOCOCCAL INFECTION (all forms)	2	11	4	198	190
9.	HAND, FOOT & MOUTH DISEASE (HFMD)	140	32	21	1811	3094
10.	HIV INFECTION (all forms)	4	4	7	477	262
	HIV DEATH	0	0	0	0	44
11.	LEPROSY	0	0	0	6	5
12.	LEPTOSPIROSIS	3	4	2	251	160
13.	MALARIA	0	0	2	26	19
14.	MEASLES	0	1	0	39	199
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	79
20.	TETANUS (Neonatorum / Adult)	0	0	0	2	1
21.	TUBERCULOSIS (all forms)	72	45	40	1673	1496
	TUBERCULOSIS DEATH	0	0	0	0	84
22.	TYPHOID & PARATYPHOID FEVER	0	1	0	9	6
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	3
	b) Hepatitis B	0	3	3	281	160
	c) Hepatitis C	0	2	1	112	92
	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)	74	47	721	1968	11047
3	FILARIASIS	0	0	0	15	6
4	INFLUENZA-LIKE ILLNESS (ILI)	812	85	127	4010	30190
5	SEVERE ACUTE RESPIRATORY INFECTION (sARI)	22	0	0	20	477
6	MELIOIDOSIS	0	0	0	0	14
7	BRUCELLOSIS	0	0	0	0	7
8	ZIKA	2	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	927	2059	3073	7097	8979(12)
	DENGUE HAEMORRHAGIC FEVER	36	39	20	7	6
4.	DIPHTHERIA	0	0	0	0	0
5.	DYSENTERY (all types)	1	0	1	6	3
6.	EBOLA	0	0	0	0	0
7.	FOOD POISONING (episode)	0	22	30	24	54
	FOOD POISONING (case)	856	630	1145	741	1609(2)
8.	GONOCOCCAL INFECTION (all forms)	141	84	58	167	190
9.	HAND, FOOT & MOUTH DISEASE (HFMD)	1971	1189	1179	1650	3085
10.	HIV INFECTION (all forms)	0	344	366	405	262
	HIV DEATH	0	0	0	0	44
11.	LEPROSY	5	11	4	6	5
12.	LEPTOSPIROSIS	32	32	120	208	160(11)
13.	MALARIA	46	40	19	19	19
14.	MEASLES	0	10	7	22	199
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)	76	25	40	70	79
20.	TETANUS (Neonatorum / Adult)	0	0	1	2	1
21.	TUBERCULOSIS (all forms)	1293	1134	1216	1386	1496
	TUBERCULOSIS DEATH	0	0	0	0	84
22.	TYPHOID & PARATYPHOID FEVER	3	12	7	8	6
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	6	3
	b) Hepatitis B	103(1)	88	110	238	160(4)
	c) Hepatitis C	77	118	86	97	92(2)
	d) Other Hepatitis	0	0	0	1	2
26.	PERTUSSIS	3	0	2	7	10
27.	YELLOW FEVER	0	0	0	0	0
<b>OTHER DISEASES UNDER SURVEILLANCE</b>						
1	ACUTE FLACCID PARALYSIS (AFP)	0	0	9	1	10
2	ACUTE GASTROENTERITIS (AGE)	21026	21220	17465	1690	11047
3	FILARIASIS	0	0	10	13	6
4	INFLUENZA-LIKE ILLNESS (ILI)	4772	4461	4235	3443	30190
5	SEVERE ACUTE RESPIRATORY INFECTION (sARI)	0	0	298	16	477
6	MELIOIDOSIS	0	0	0	0	14
7	BRUCELLOSIS	0	0	0	0	7
8	ZIKA	0	0	0	0	2

### 3. 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	6322(12)	403	104	44	204	241	235	117	421	42	8979(12)
	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)	17	7	3	2	4	2	1	1	4	1	54
	FOOD POISONING (case)	289	55(2)	220	28	365	29	247	12	104	22	1609(2)
8.	GONOCOCCAL INFECTION (all forms)	75	15	0	1	53	2	1	4	13	6	190
9.	HAND, FOOT & MOUTH DISEASE (HFMD)	932	165	165	113	141	276	50	76	107	64	3085
10.	HIV INFECTION (all forms)	184	16	20	6	20	14	17	21	11	6	262
	HIV DEATH	12	0	4	2	5	3	7	6	1	3	44
11.	LEPROSY	2	0	0	0	1	0	0	0	0	0	5
12.	LEPTOSPIROSIS	58(9)	17	19(1)	4	9	4(1)	11	6	10(1)	5	160(11)
13.	MALARIA	1	0	2	1	2	2	2	1	2	3	19
14.	MEASLES	120	11	9	0	19	24	3	3	3	0	199
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)	48	14	4	0	2	3	1	1	0	2	79
20.	TETANUS (Neonatorum / Adult)	1	0	0	0	0	0	0	0	0	0	1
21.	TUBERCULOSIS (all forms)	549	82	79	46	65	104	62	45	73	30	1300
	TUBERCULOSIS DEATH	33	3	3	6	24	4	3	2	4	2	84
22.	TYPHOID & PARATYPHOID FEVER	2	0	1	1	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	3
	b) Hepatitis B	73	10	16(1)	2	11	4(1)	6	8(1)	15	2(1)	160(4)
	c) Hepatitis C	17(1)	1	6	6(1)	13	13	4	9	11	0	92(2)
	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)	1558	107	401	531	2392	1191	1402	584	1737	728	11047
3	FILARIASIS	0	0	0	0	1	0	0	2	2	0	6
4	INFLUENZA-LIKE ILLNESS (ILI)	30190	0	0	0	0	0	0	0	0	0	30190
5	SEVERE ACUTE RESPIRATORY INFECTION (sARI)	477	0	0	0	0	0	0	0	0	0	477
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

#### 4. 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	22	17	3	2	5	2	1	3	8	1	64
5	HAND, FOOT & MOUTH DISEASE (HFMD)	44	10	2	7	0	16	1	0	5	2	87
6	HEPATITIS A	0	0	0	0	0	0	0	0	0	0	0
7	INFLUENZA/(ILI)	6		1								7
8	LEPTOSPIROSIS	0	0	0	0	0	0	0	0	0	0	0
9	MEASLES	7		2								7
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

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

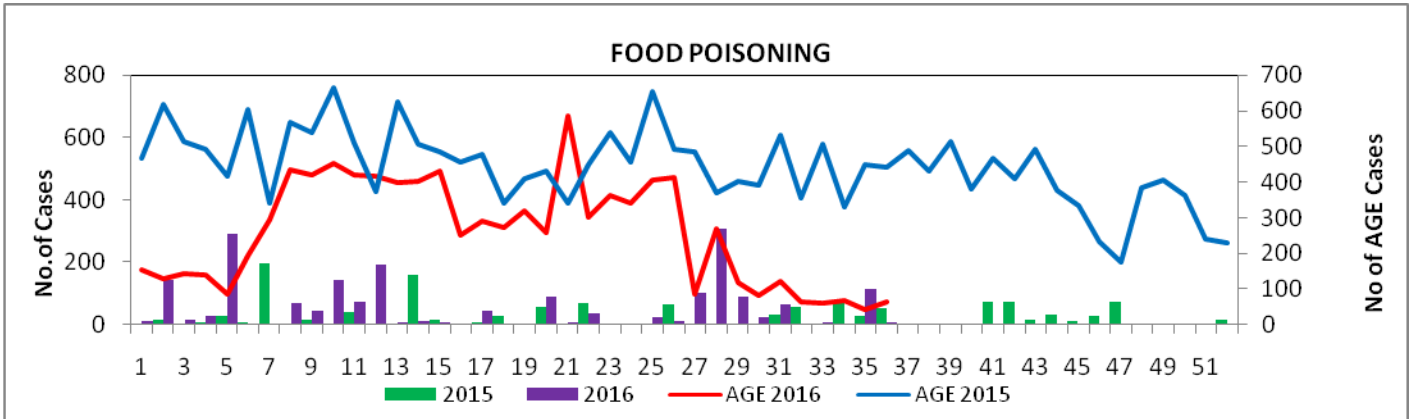
##### 5.1 ILI SURVEILLANCE (KPL MAHMOODIAH)

ILI Surveillance	EW 36					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	73	228	382	129	812	2558	8316	15057	4259	30190
Total Outpatient Attendances	582	1532	2038	1419	5571	14880	41757	75499	35772	167908

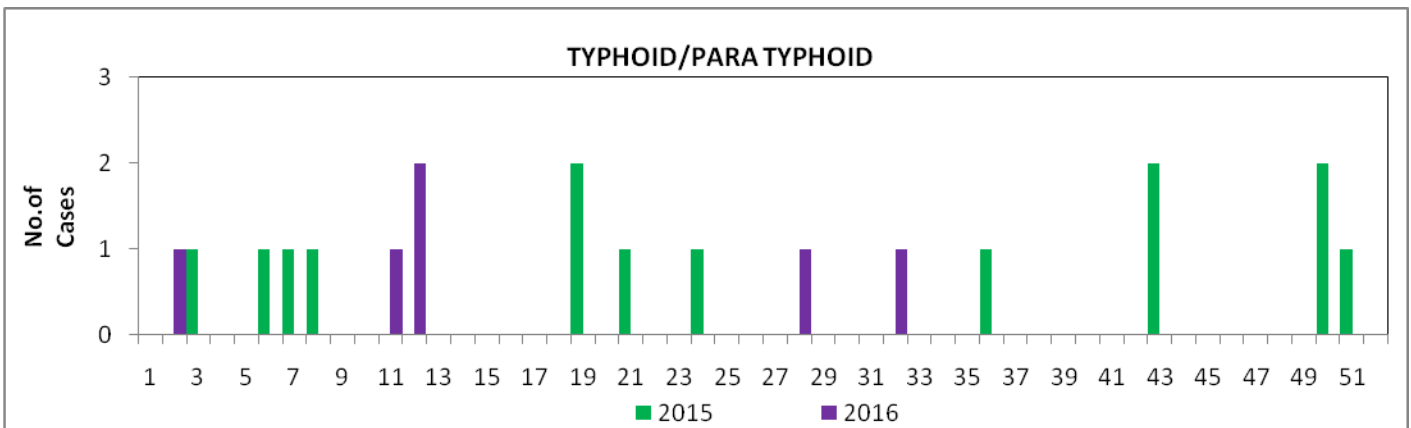
##### 5.2 sARI SURVEILLANCE (HOSPITAL SULTANAH AMINAH, JOHOR BAHRU)

sARI Surveillance	EW 36			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)	15	7	22	227	130	477

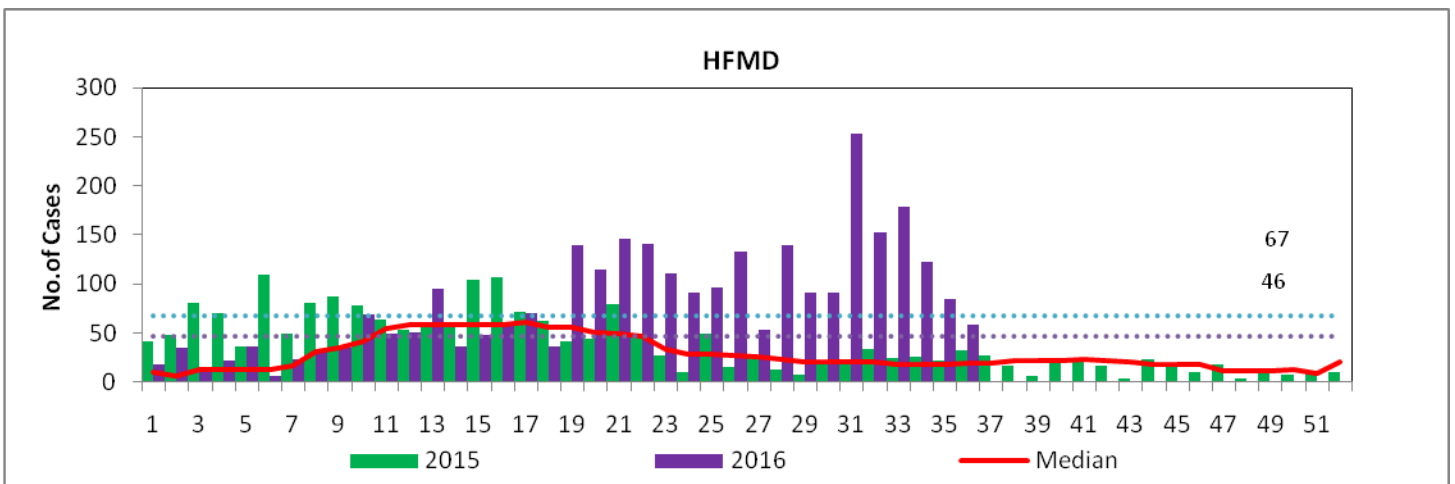
**6. WEEKLY CASES OF FOOD POISONING, 2015—2016**



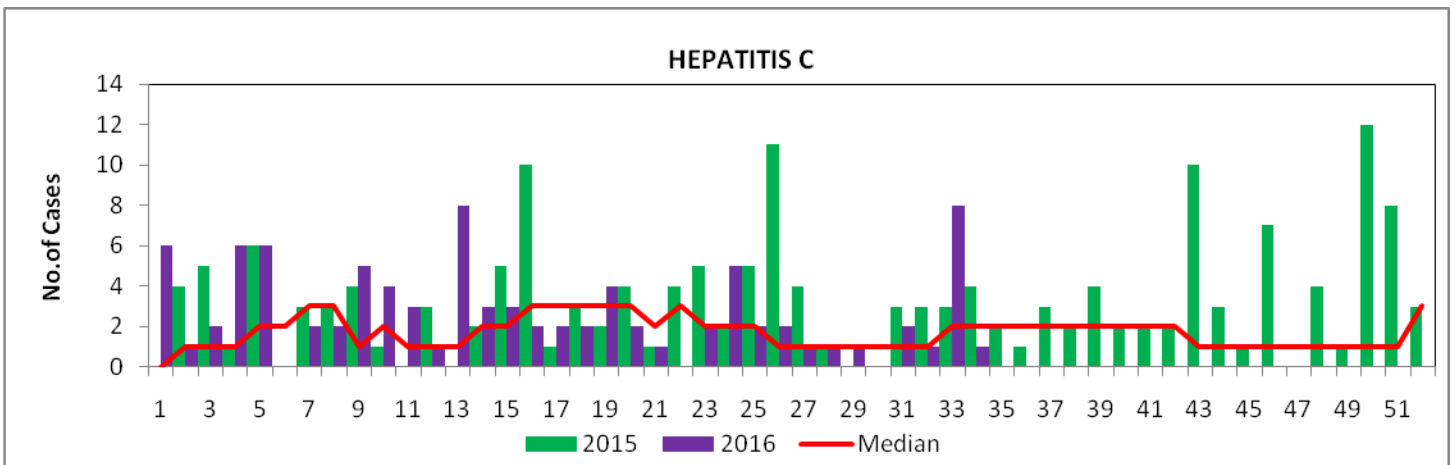
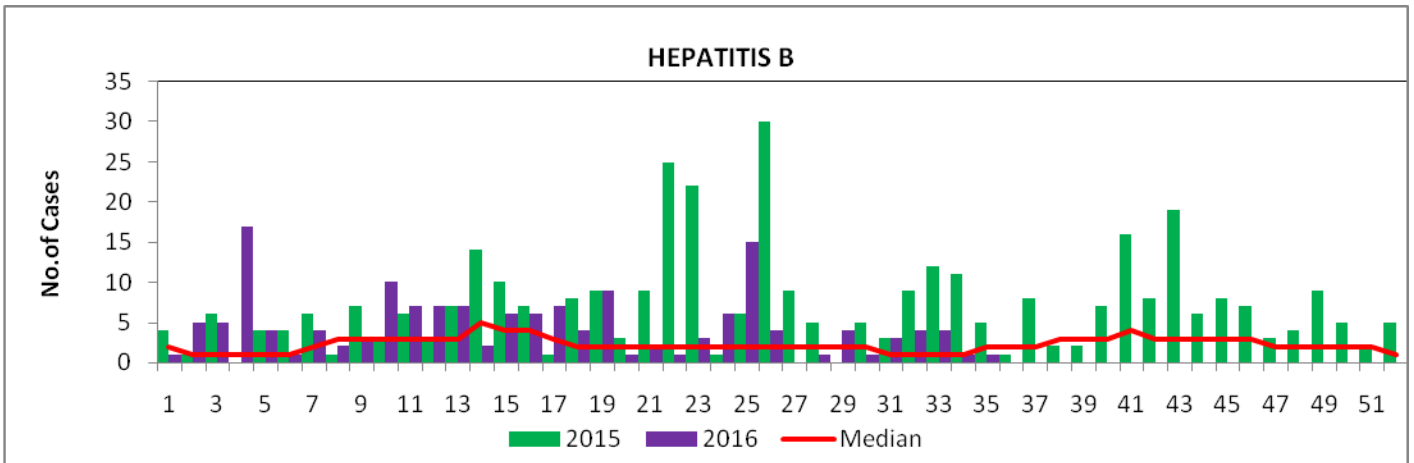
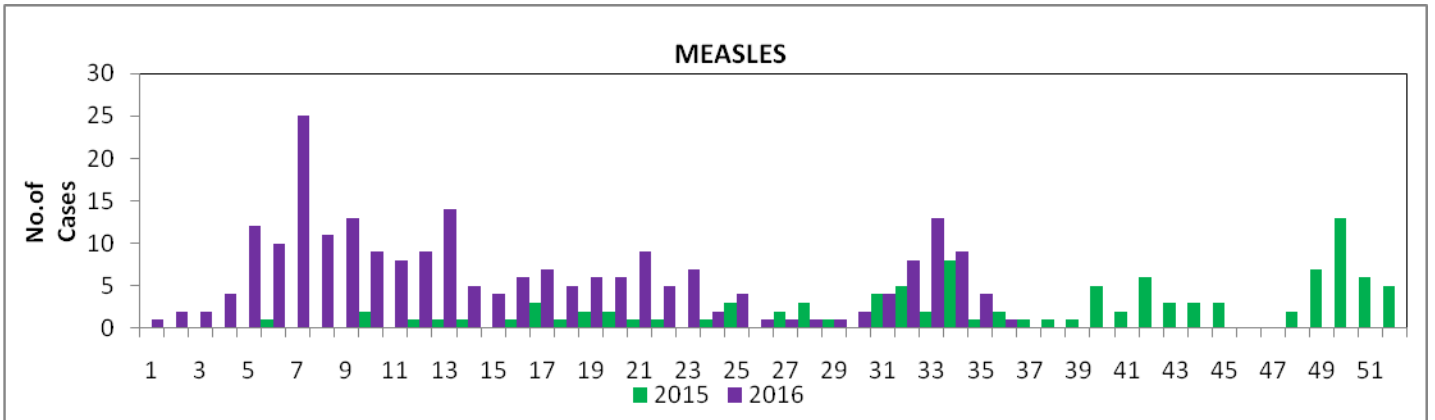
**7. WEEKLY CASES OF OTHER FOOD WATERBORNE DISEASES, 2015—2016**



**8. WEEKLY CASES OF AIR/DROPLET BORNE DISEASES, 2015—2016**



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



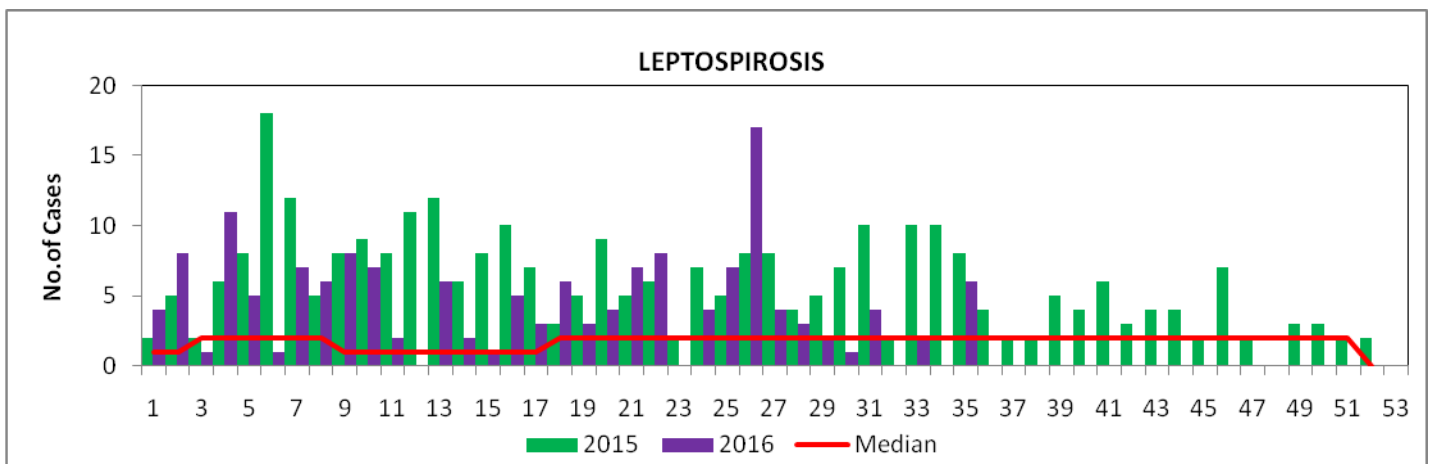
## 10. MEASLES ENHANCED SURVEILLANCE DATA (Cumulative)

Case classification	Frequency
Clinically confirmed	9
Epidemiologically confirmed	16
Lab confirmed	177
Discarded	150
Pending	38

Total notifications	390
Incidence rate	95.2 per 1 million population

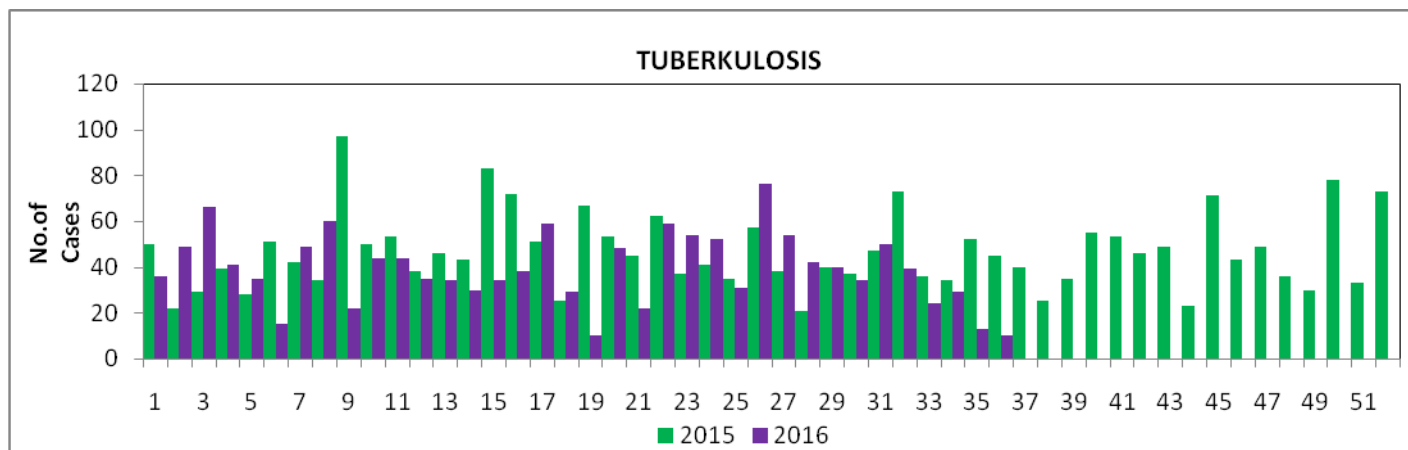
Indicator	Achievement	Target
Cases notified within 48 hours of rash onset	44%	100%
Cases investigated within 48 hours	96%	>80%
Sample taken for confirmation	94%	>80%
Cases classified	93%	100%
Confirmed case with source of infection identified	91%	>80%
Death	0	0

## 11. LEPTOSPIROSIS

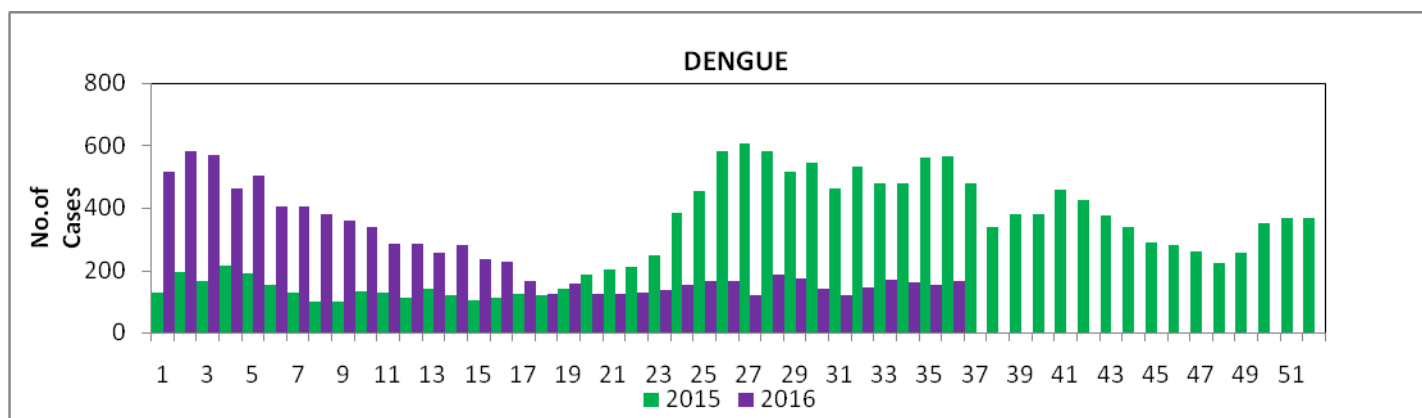




## 12. TUBERCULOSIS



## 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 36 2016	Cumulative 2015	EW 36 2016	Cumulative 2015
1 <i>Salmonella typhi/Salmonella spp.</i>	20	0	728	391
2 <i>Yersinia enterocolitica</i>	20	0	473	308
3 <i>Vibrio cholerae/Vibro para</i>	20	0	493	308
4 <i>Plesiomonas shigelloides/spp</i>	20	0	473	308
5 <i>Enteropathogenic E.coli (EPEC,EHEC)</i>	20	0	473	308
6 <i>Aeromonas hydrophilia/spp</i>	20	0	473	308
7 <i>Shigella spp.</i>	20	0	473	308
8 <i>Bacillus cereus (positive enterotoxin)</i>	20	0	473	308
9 <i>Staphylococcus aureus (positive enterotoxin)</i>	20	0	473	308
10 <i>Campylobacter jejuni/coli/spp</i>	20	0	473	308

## 15. INFLUENZA SURVEILLANCE

