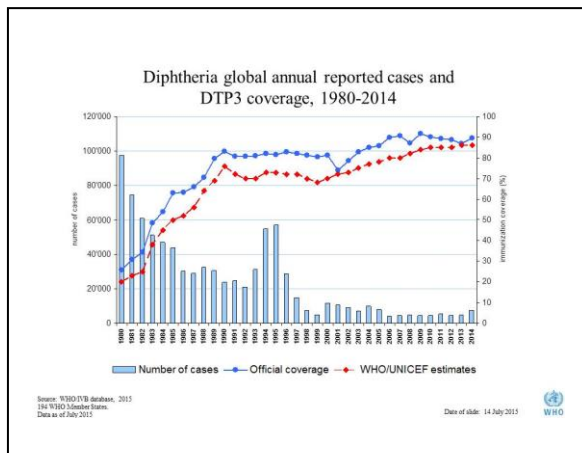


## OUTBREAKS / CLUSTERS / UNUSUAL EVENTS EW 25

No	District	Locality	Disease /event	Number of cases
1	JOHOR BAHRU	Hospital Sultan Ismail, JB	Food Poisoning	9
2	KOTA TINGGI	SMK Bandar Tenggara 2, KT	Food Poisoning	16
3	JOHOR BAHRU	Taska Anak Bijak Yakin, Tmn Pulai Indah, JB	HFMD	10
4	JOHOR BAHRU	Tmn.Sri Tebrau, JB	HFMD	2
5	KLUANG	Kem Bt 3, 5RAMD, Jln Mersing, KG	Food Poisoning	7



### The control of diphtheria

- 1) Primary prevention of disease by ensuring high population immunity through immunization.
- 2) Secondary prevention of spread by the rapid investigation of close contacts, to ensure their proper treatment.
- 3) Tertiary prevention of complications and deaths by early diagnosis and proper management.

## Weekly highlights

From 16<sup>th</sup> of June 2016, Malacca has reported 3 diphtheria cases, including 1 death (a 7 year old girl). The outbreak occurred among siblings. Meanwhile, Kedah reported 8 cases of suspected diphtheria, including 1 death (a 2 year old foreigner). Mortality was due to complications from the infection and both did not receive a complete immunization.

Diphtheria is a bacterial infection caused by *Corynebacterium diphtheria*, transmitted from person to person through close physical and respiratory contact. It can cause infection of the nasopharynx, which may lead to breathing difficulties and death

**Prevention:** Toxoid as DTP, DT or Td - at least three primary doses given by the intramuscular route

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Sumber : enotifikasi/edengue/ewabak/emeasles/buletinMKA

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

DISEASE		EW 25 2016	EW 25 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	164	452	90	4272	7349(10)
	DENGUE HAEMORRHAGIC FEVER	0	0	1	5	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)	3	0	0	23	37
	FOOD POISONING (case)	23	0	0	675	1249(2)
8.	GONOCOCCAL INFECTION (all forms)	13	10	3	150	135
9.	HAND, FOOT & MOUTH DISEASE (HFMD)	97	50	28	1566	1581
10.	HIV INFECTION (all forms)	11	10	9	350	264
	HIV DEATH	6	0	0	0	32
11.	LEPROSY	0	0	0	6	3
12.	LEPTOSPIROSIS	7	5	2	177	116(11)
13.	MALARIA	4	0	1	12	14
14.	MEASLES	1	3	0	17	183
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)	5	2	1	49	64
20.	TETANUS (Neonatorum / Adult)	0	0	0	0	1
21.	TUBERCULOSIS (all forms)	31	35	37	1193	937
	TUBERCULOSIS DEATH	3	0	0	0	82
22.	TYPHOID & PARATYPHOID FEVER	0	0	0	8	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	15	11	2	183	137(3)
	c) Hepatitis C	2	7	3	79	74(2)
	d) Other Hepatitis	0	0	0	1	2
26.	PERTUSSIS	3	1	0	5	9
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)	464	50	652	1450	9521
3	FILARIASIS	0	0	0	13	4
4	INFLUENZA-LIKE ILLNESS (ILI)	791	119	119	2973	20670
5	SEVERE ACUTE RESPIRATORY INFECTION (sARI)	18	0	0	11	280
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	785	1505	2374	4272	7349(10)
	DENGUE HAEMORRHAGIC FEVER	32	32	16	5	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	19	27	23	37
	FOOD POISONING (case)	728	603	1072	675	1249(2)
8.	GONOCOCCAL INFECTION (all forms)	113	39	50	150	135
9.	HAND, FOOT & MOUTH DISEASE (HFMD)	1739	1011	1059	1566	1581
10.	HIV INFECTION (all forms)	0	299	306	350	264
	HIV DEATH	0	0	0	0	32
11.	LEPROSY	5	9	4	6	3
12.	LEPTOSPIROSIS	25	24	93	177	116(11)
13.	MALARIA	32	32	17	12	14
14.	MEASLES	0	9	5	17	183
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)	66	18	37	49	64
20.	TETANUS (Neonatorum / Adult)	0	0	1	0	1
21.	TUBERCULOSIS (all forms)	1112	930	1023	1193	937
	TUBERCULOSIS DEATH	0	0	0	0	82
22.	TYPHOID & PARATYPHOID FEVER	3	7	6	8	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	88	78	89	183	137(3)
	c) Hepatitis C	76	110	75	79	74(2)
	d) Other Hepatitis	0	0	0	1	2
26.	PERTUSSIS	3	0	2	5	9
27.	YELLOW FEVER	0	0	0	0	0
<b>OTHER DISEASES UNDER SURVEILLANCE</b>						
1	ACUTE FLACCID PARALYSIS (AFP)	-	-	12	12	10
2	ACUTE GASTROENTERITIS (AGE)	17271	17512	14447	1450	9521
3	FILARIASIS	0	0	9	13	4
4	INFLUENZA-LIKE ILLNESS (ILI)	3894	3744	3495	2973	20670
5	SEVERE ACUTE RESPIRATORY INFECTION (sARI)	0	0	236	11	280
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	124	7	1	1	8	8	4	2	7	2	164
	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)	1	0	0	0	0	1	0	0	1	0	3
	FOOD POISONING (case)	0	0	0	0	0	7	0	0	16	0	23
8.	GONOCOCCAL INFECTION (all forms)	10	0	0	0	3	0	0	0	0	0	13
9.	HAND, FOOT & MOUTH DISEASE (HFMD)	30	8	6	8	10	16	3	6	8	2	97
10.	HIV INFECTION (all forms)	1	0	5	0	2	1	2	0	0	0	11
	HIV DEATH	1	0	2	0	0	1	2	0	0	0	6
11.	LEPROSY	0	0	0	0	0	0	0	0	0	0	0
12.	LEPTOSPIROSIS	3	0	0	0	1	0	1	0	1	1	7
13.	MALARIA	0	0	1	1	2	0	0	0	0	0	4
14.	MEASLES	0	0	0	0	0	1	0	0	0	0	1
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)	5	0	0	0	0	0	0	0	0	0	5
20.	TETANUS (Neonatorum / Adult)	0	0	0	0	0	0	0	0	0	0	0
21.	TUBERCULOSIS (all forms)	20	3	2	2	0	0	0	1	3	0	31
	TUBERCULOSIS DEATH	1	1	0	1	0	0	0	0	0	0	3
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	11	0	4	0	0	0	0	0	0	0	15
	c) Hepatitis C	1	0	1	0	0	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	3	0	0	0	0	3
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)	65	11	19	23	92	33	57	49	85	30	464
3	FILARIASIS	0	0	0	0	0	0	0	0	0	0	0
4	INFLUENZA-LIKE ILLNESS (ILI)	791										791
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	5725(10)	366	81	37	188	221	219	110	364	38	7349(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)	16	6	2	2	4	1	1	0	4	1	37
	FOOD POISONING (case)	287	30(2)	159	28	365	21	247	0	90	22	1249(2)
8.	GONOCOCCAL INFECTION (all forms)	62	11	0	1	40	2	1	3	11	4	135
9.	HAND, FOOT & MOUTH DISEASE (HFMD)	704	100	98	89	107	252	44	48	81	58	1581
10.	HIV INFECTION (all forms)	154	13	14	4	19	13	16	15	11	5	264
	HIV DEATH	7	0	2	1	5	3	6	5	1	2	32
11.	LEPROSY	2	0	0	0	1	0	0	0	0	0	3
12.	LEPTOSPIROSIS	46(9)	13	17(1)	4	6	4(1)	9	5	7	5	116(1)
13.	MALARIA	1	0	2	1	2	1	2	1	1	3	14
14.	MEASLES	115	11	8	0	17	24	2	3	3	0	183
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)	44	10	2	0	2	2	1	1	0	2	64
20.	TETANUS (Neonatorum / Adult)	1	0	0	0	0	0	0	0	0	0	1
21.	TUBERCULOSIS (all forms)	456	74	59	36	65	77	47	43	58	22	937
	TUBERCULOSIS DEATH	32	3	3	6	24	4	2	2	4	2	82
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	71	9	14	2	9	4(1)	6	7(1)	13	2(1)	137(3)
	c) Hepatitis C	17(1)	1	6	5(1)	10	12	3	9	11	0	74(1)
	d) Other Hepatitis	1	0	0	0	0	0	0	0	1	0	2
26.	WHOOPING COUGH	0	1	1	0	0	5	2	0	0	0	9
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)	1422	91	380	468	2157	1146	1117	547	1603	590	9521
3	FILARIASIS	0	0	0	0	1	0	0	2	1	0	4
4	INFLUENZA-LIKE ILLNESS (ILI)	20670										20670
5	SEVERE ACUTE RESPIRATORY INFECTION (sARI)	280										280
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	1	1
4	FOOD POISONING	16	6	2	2	4	1	1	0	4	1	37
5	HAND, FOOT & MOUTH DISEASE (HFMD)	22	4	0	6	0	16	1	0	2	2	53
6	HEPATITIS A	0	0	0	0	0	0	0	0	0	0	0
7	INFLUENZA/(ILI)	5	0	1	0	0	0	1	0	0	0	7
8	LEPTOSPIROSIS	0	0	0	0	0	0	0	0	0	0	0
9	MEASLES	7	0	1	0	0	0	0	0	0	0	8
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

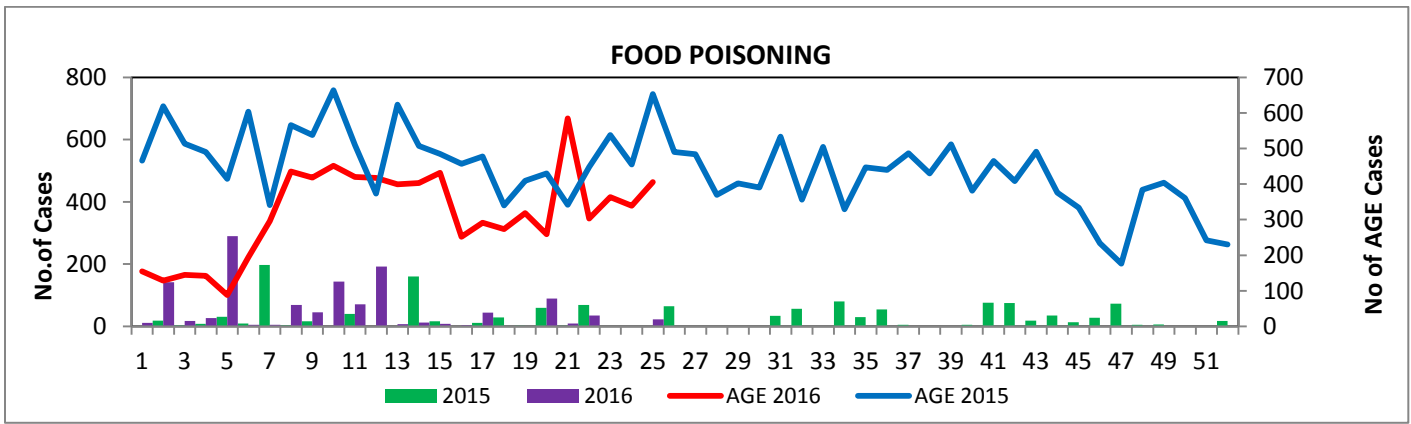
### 6.1 ILI SURVEILLANCE (KPL MAHMOODIAH)

ILI Surveillance	EW 25					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	196	392	130	791	1832	5850	10000	2988	20670
Total Outpatient Attendances	407	1245	2281	881	4814	10439	29480	53682	25416	119017

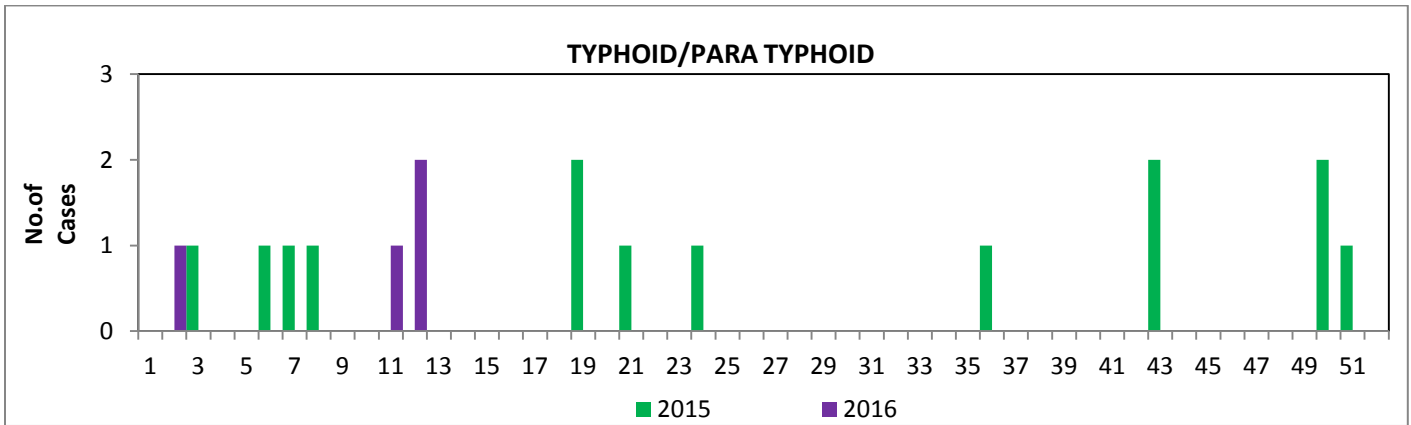
### 6.2 sARI SURVEILLANCE (HOSPITAL SULTANAH AMINAH, JOHOR BAHRU)

sARI Surveillance	EW 25			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)	12	6	18	170	110	280

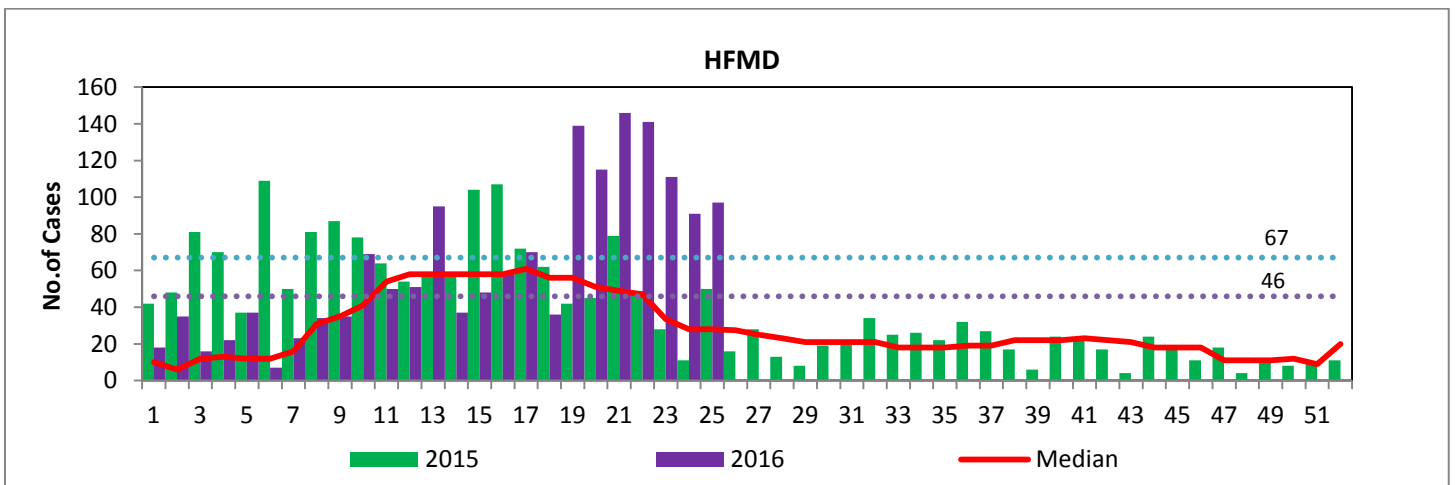
**7. WEEKLY CASES OF FOOD POISONING, 2015—2016**



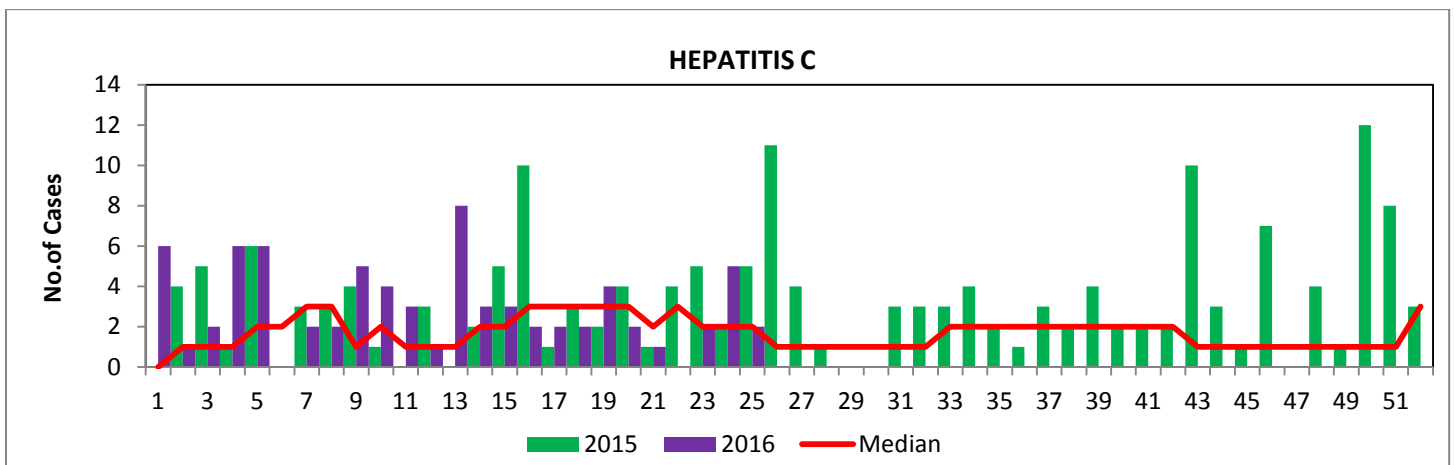
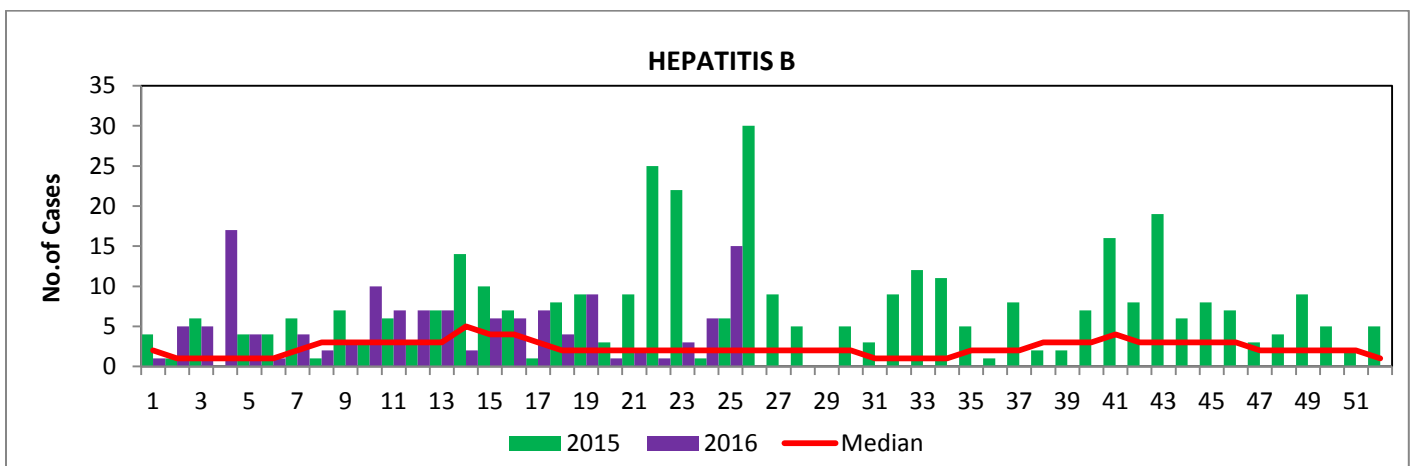
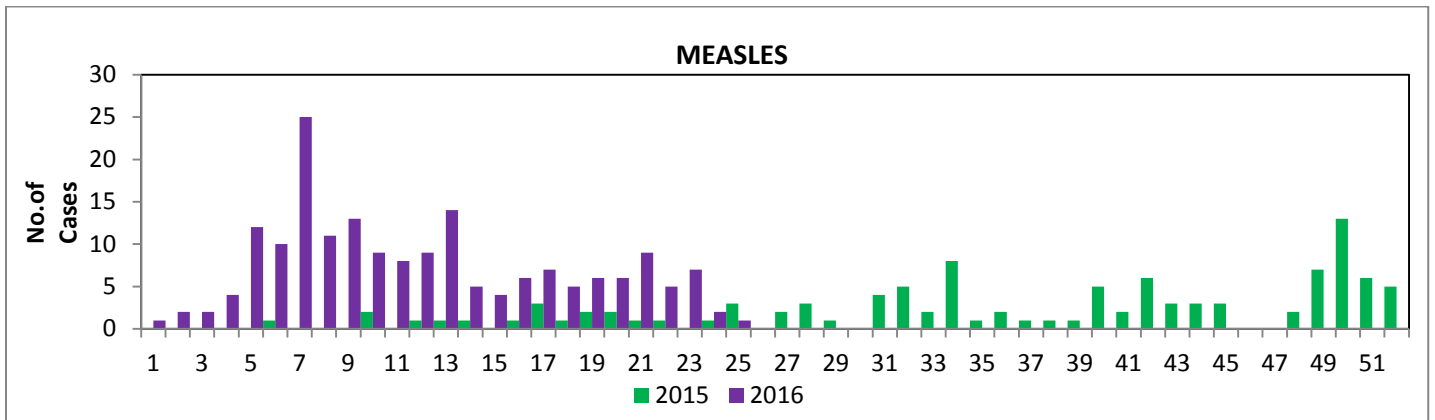
**8. WEEKLY CASES OF OTHER FOOD WATERBORNE DISEASES, 2015—2016**



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



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





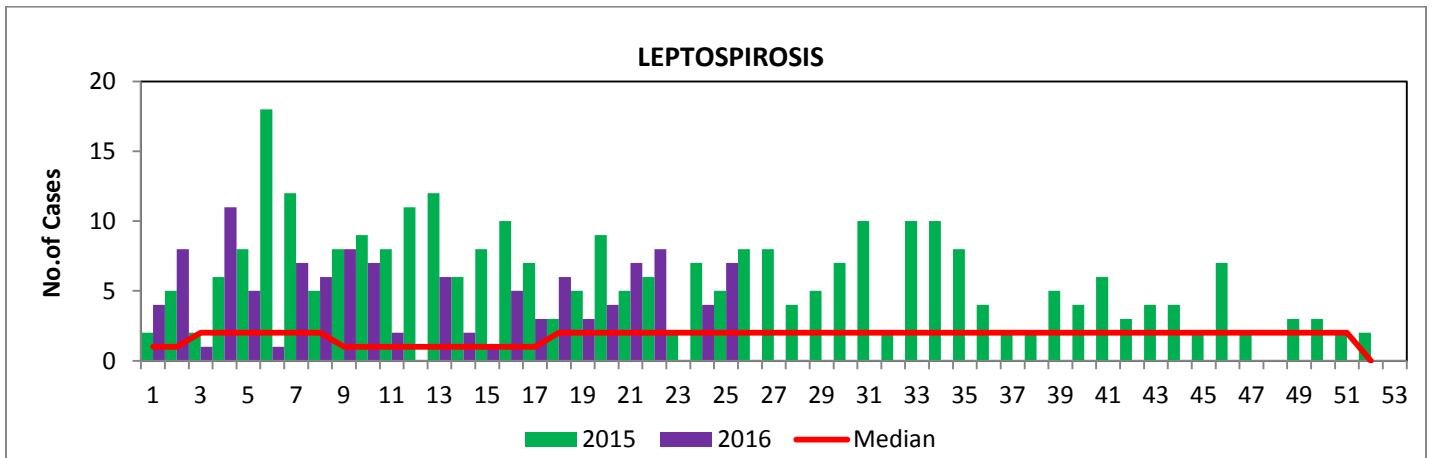
## 10.2 MEASLES ENHANCED SURVEILLANCE DATA (Cumulative)

Case classification	Frequency
Clinically confirmed	14
Epidemiologically confirmed	15
Lab confirmed	154
Discarded	90
Pending	32

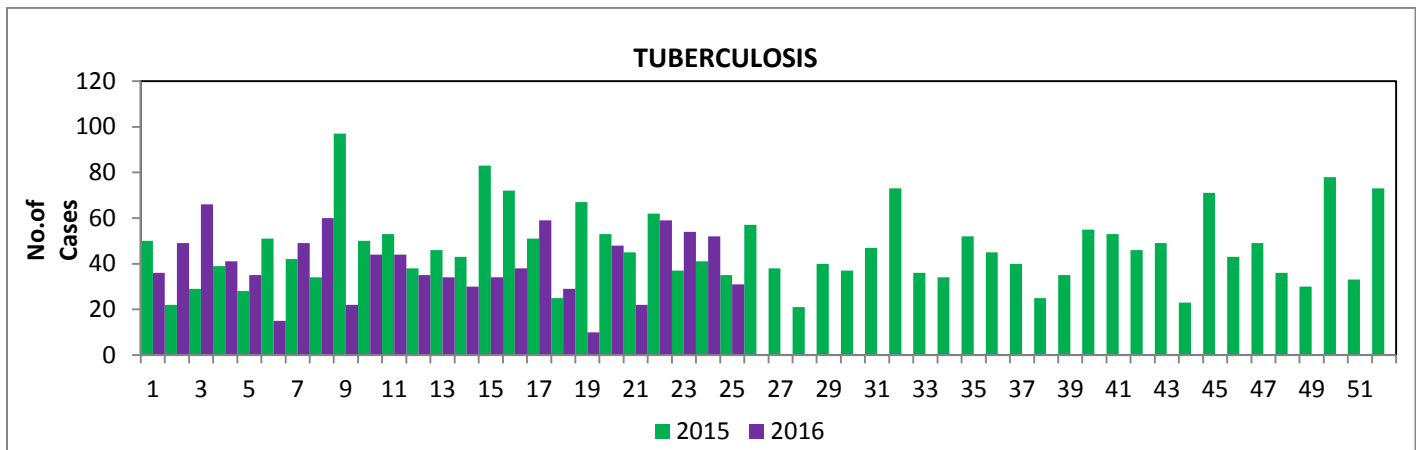
Total notifications	305
Incidence rate	84.9 per 1 million population

Indicator	Achievement	Target
Cases notified within 48 hours of rash onset	42%	100%
Cases investigated within 48 hours	95%	>80%
Sample taken for confirmation	90%	>80%
Cases classified	90%	100%
Confirmed case with source of infection identified	86%	>80%
Death	0	0

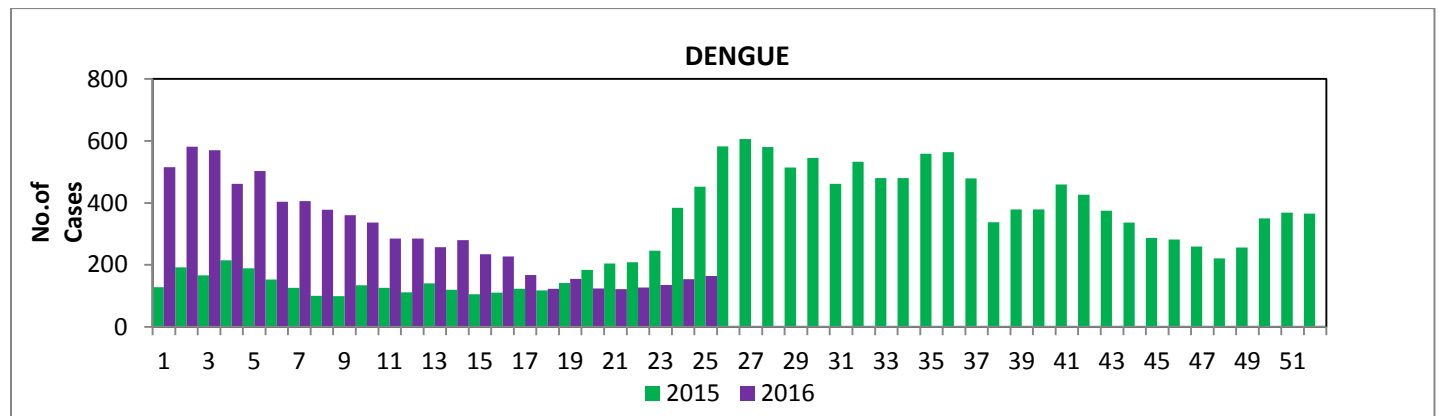
## 11. LEPTOSPIROSIS



## 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 25 2016	Cumulative 2015	EW 25 2016	Cumulative 2015
1 <i>Salmonella typhi/Salmonella spp.</i>	31	24	659	387
2 <i>Yersinia enterocolitica</i>	30	24	414	308
3 <i>Vibrio cholerae/Vibro para</i>	30	24	418	308
4 <i>Plesiomonas shigelloides/spp</i>	30	24	414	308
5 <i>Enteropathogenic E.coli (EPEC,EHEC)</i>	30	24	414	308
6 <i>Aeromonas hydrophilia/spp</i>	30	24	414	308
7 <i>Shigella spp.</i>	30	24	414	308
8 <i>Bacillus cereus (positive enterotoxin)</i>	30	24	414	308
9 <i>Staphylococcus aureus (positive enterotoxin)</i>	30	24	414	308
10 <i>Campylobacter jejuni/coli/spp</i>	30	24	414	308

# 15. INFLUENZA SURVEILLANCE

