

## OUTBREAKS / CLUSTERS / UNUSUAL EVENTS EW 16

No	District	Locality	Disease /event	Number of cases
1	Johor Bahru	Sekolah Menengah Teknik Tanjung Puteri, 774 Jalan Yahya Aldatar, 80300 Johor Bahru, Johor	Keracunan Makanan	43
2	JohorBahru	Sekolah Kebangsaan Taman Daya 2, Taman Daya 81100 Johor Bahru	Keracunan Makanan	11
3	Muar	Jalan Maju 3, Taman Bakri Maju, 84200 Bakri, Muar	Measles	2
4	Johor Bahru	Madrasah Tahfiz Al-Quran Sidi Ibrahim Ar-Rashid (Mtsqir) Lot 51540 Lorong Manggis, Jalan Seelong, Kampung Sinaran Baru, 81300 Skudai, Johor	Scabies	42
5	Johor Bahru	Tabika Kemas Wawasan Ptd 1654, Jalan Wawasan 4, Kg. Melayu Baru, 81550, Gelang Patah, Johor.	ILI	35
6	Kota Tinggi	Kantin Sek Agama Sg Telor, Jalan Kulai 81900 Kota Tinggi Johor	Keracunan Makanan	20
7	Mersing	Tabika Kemas Perumahan Polis Mersing, Km5 Jalan Jemaluang, 86800, Mersing, Johor.	HFMD	6

## Middle East respiratory syndrome coronavirus (MERS- CoV) – United Arab Emirates

Between 9 and 11 April 2017, the National IHR Focal Point of United Arab Emirates (UAE) reported two additional cases of Middle East Respiratory Syndrome Coronavirus (MERS-CoV).

### Details of the cases

The two cases identified in Abu Dhabi, UAE, were roommates. The case reported to WHO on 9 April 2017 (31-year-old) passed away on 16 April 2017 and the second case reported to WHO on 11 April 2017, identified through tracing of household contacts, is asymptomatic and has been admitted to a negative pressure isolation room on a ward in hospital. The source of infection of the 31-year-old MERS case is under investigation. Contact tracing of household and healthcare contacts is ongoing.

To date, United Arab Emirates has reported 81 laboratory confirmed cases of MERS. The last case was reported in June.

Globally, since September 2012, 1938 laboratory-confirmed cases of infection with MERS-CoV including at least 691 related deaths have been reported to WHO.

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

DISEASE		EW 16/2017	EW 16/2016	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	160	234	85	5852	2102 (8)
	DENGUE HAEMORRHAGIC FEVER	0	0	0	4	2
5.	DIPHtherIA	0	0	0	0	0
6.	DYSENTERY (all type)	1	0	0	2	5
7.	EBOLA	0	0	0	0	0
8.	FOOD POISONING (episode)	3	1	0	24	19
	FOOD POISONING (case)	20	8	17	1045	419
9.	GONOCOCCAL INFECTION (all forms)	2	3	3	71	107
10.	HAND,FOOT&MOUTH DISEASE (HFMD)	61	48	62	577	1157
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	7	1	1	69	56 (4)
14.	MALARIA	0	0	0	4	17
15.	MEASLES	1	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)	1	4	1	41	82
22.	TETANUS (Neonatorum / Adult)	0	0	0	1	0
23.	TUBERCULOSIS (all forms)	38	34	41	594	620
	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	2	6	5	81	96 (1)
	c) Hepatitis C	3	3	2	52	52 (2)
	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)	174	585	585	5264	2647 (1)
3	FILARIASIS	0	0	0	1	0
4	INFLUENZA-LIKE ILLNESS (ILI)	920	778	146	13110	12071
5	SEVERE ACUTE RESPIRATORY INFECTION (sARI)	26	11	0	139	290
6	MELIOIDOSIS	0	0	0	5	5 (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	2102 (8)
	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	19
	FOOD POISONING (case)	446	671	502	1045	419
9.	GONOCOCCAL INFECTION (all forms)	24	23	87	71	107
10.	HAND, FOOT & MOUTH DISEASE (HFMD)	493	556	1021	577	1157
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	56 (4)
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	82
22.	TETANUS (Neonatorum / Adult)	0	1	0	1	0
23.	TUBERCULOSIS (all forms)	538	612	705	594	620
	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	96 (1)
	c) Hepatitis C	75	34	38	52	52 (2)
	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	2647 (1)
3	FILARIASIS	0	3	6	1	0
4	INFLUENZA-LIKE ILLNESS (ILI)	2365	2120	2115	13110	12071
5	SEVERE ACUTE RESPIRATORY INFECTION (sARI)	0	154	3	139	290
6	MELIOIDOSIS	0	0	0	5	5 (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	135	4	1	1	7	3	4	0	2	3	160
	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	1	0	0	0	0	0	0	0	0	1
7.	EBOLA	0	0	0	0	0	0	0	0	0	0	0
8.	FOOD POISONING (episode)	2	0	0	0	0	0	0	0	1	0	3
	FOOD POISONING (case)	0	0	0	0	0	0	0	0	20	0	20
9.	GONOCOCCAL INFECTION (all forms)	0	0	0	0	2	0	0	0	0	0	2
10.	HAND, FOOT & MOUTH DISEASE (HFMD)	27	5	5	0	2	11	0	1	4	6	61
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	1	0	0	3	2	0	0	1	7
14.	MALARIA	0	0	0	0	0	0	0	0	0	0	0
15.	MEASLES	1	0	0	0	0	0	0	0	0	0	1
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)	0	1	0	0	0	0	0	0	0	0	1
22.	TETANUS (Neonatorum / Adult)	0	0	0	0	0	0	0	0	0	0	0
23.	TUBERCULOSIS (all forms)	12	7	5	5	0	4	2	3	0	0	38
	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	0	0	0	0	2	0	0	0	0	0	2
	c) Hepatitis C	0	1	1	0	0	0	0	1	0	0	3
	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	1	0	0	0	0	0	1
<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)	5	0	0	0	0	0	49	0	101	19	174
3	FILARIASIS	0	0	0	0	0	0	0	0	0	0	0
4	INFLUENZA-LIKE ILLNESS (ILI)	920	0	0	0	0	0	0	0	0	0	920
5	SEVERE ACUTE RESPIRATORY INFECTION (sARI)	26	0	0	0	0	0	0	0	0	0	26
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, 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	1619	84	35	21	62	61	83	25	83	29	2102
	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	5	1	2	1	2	1	0	1	1	19
	FOOD POISONING (case)	54	24	46	43	11	49	131	0	23	38	419
9.	GONOCOCCAL INFECTION (all forms)	56	13	1	1	19	3	2	3	7	2	107
10.	HAND, FOOT & MOUTH DISEASE (HFMD)	605	58	48	22	63	210	36	27	62	26	1157
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	16	1	5	4	56
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)	57	8	1	0	6	4	1	3	1	1	82
22.	TETANUS (Neonatorum / Adult)	0	0	0	0	0	0	0	0	0	0	0
23.	TUBERCULOSIS (all forms)	286	41	34	21	76	41	31	31	38	21	620
	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	61	1	5	3	10	3	3	3	6	1	96
	c) Hepatitis C	13	4	4	1	8	12	2	6	2	0	52
	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)	360	0	0	0	522	132	860	0	569	204	2647
3	FILARIASIS	0	0	0	0	0	0	0	0	0	0	0
4	INFLUENZA-LIKE ILLNESS (ILI)	####	0	0	0	0	0	0	0	0	0	12071
5	SEVERE ACUTE RESPIRATORY INFECTION (sARI)	290	0	0	0	0	0	0	0	0	0	290
6	MELIOIDOSIS	2	0	0	0	0	2	1	0	0	0	5
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	5	1	1	1	1	1	0	2	1	19
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	ROTA VIRUS	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

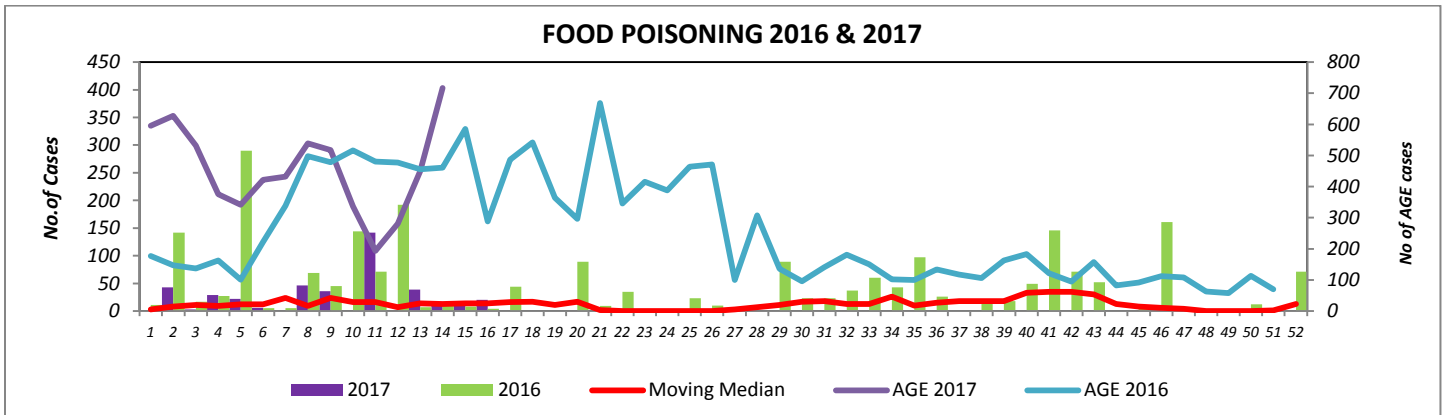
### 6.1 ILI SURVEILLANCE (KPL MAHMOODIAH)

ILI Surveillance	EW 16					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	128	164	422	206	920	1118	1549	6050	3344	12061
Total Outpatient Attendances	585	754	2482	1369	5190	2245	4029	37960	23434	67668

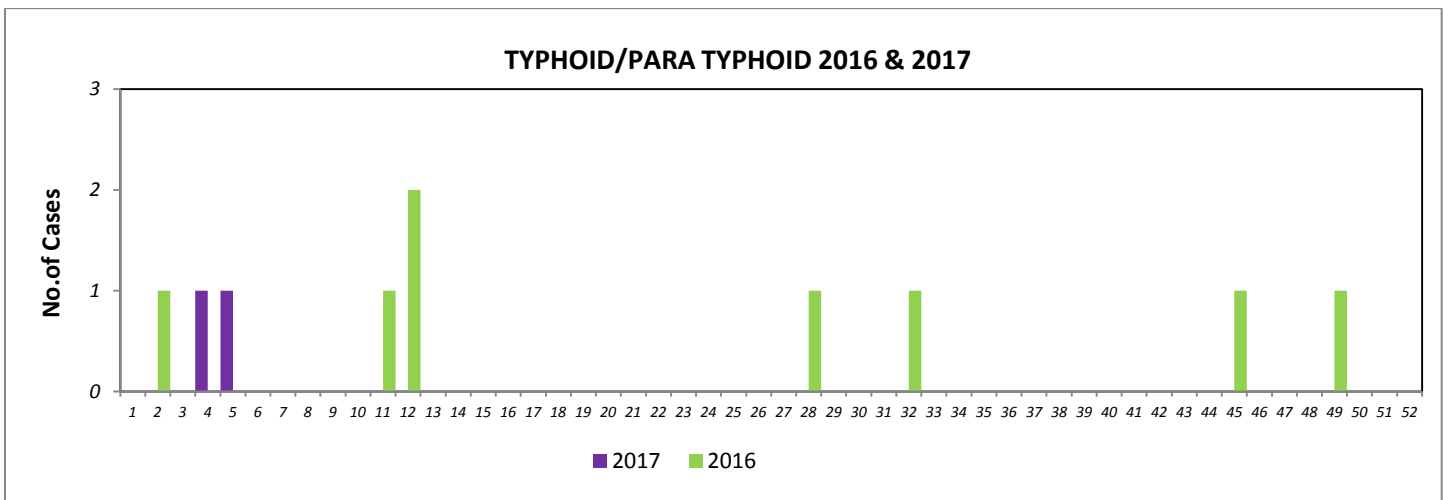
### 6.2 sARI SURVEILLANCE (HOSPITAL SULTANAH AMINAH, JOHOR BAHRU)

sARI Surveillance	EW 16			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)	24	2	26	245	67	24

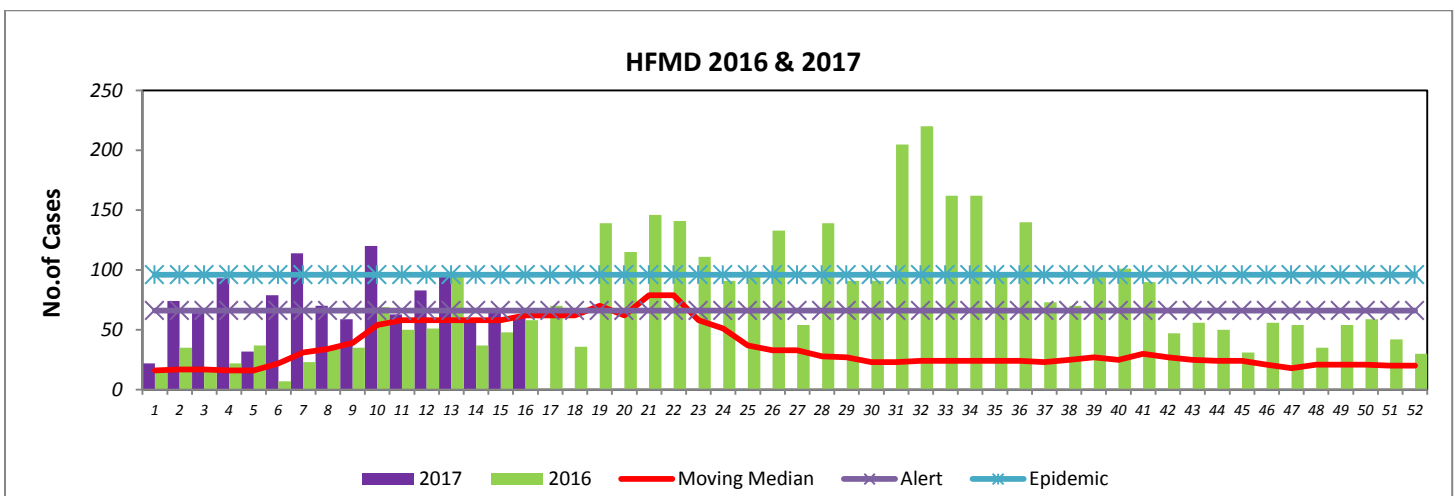
## 7. WEEKLY CASES OF FOOD POISONING, 2016—2017



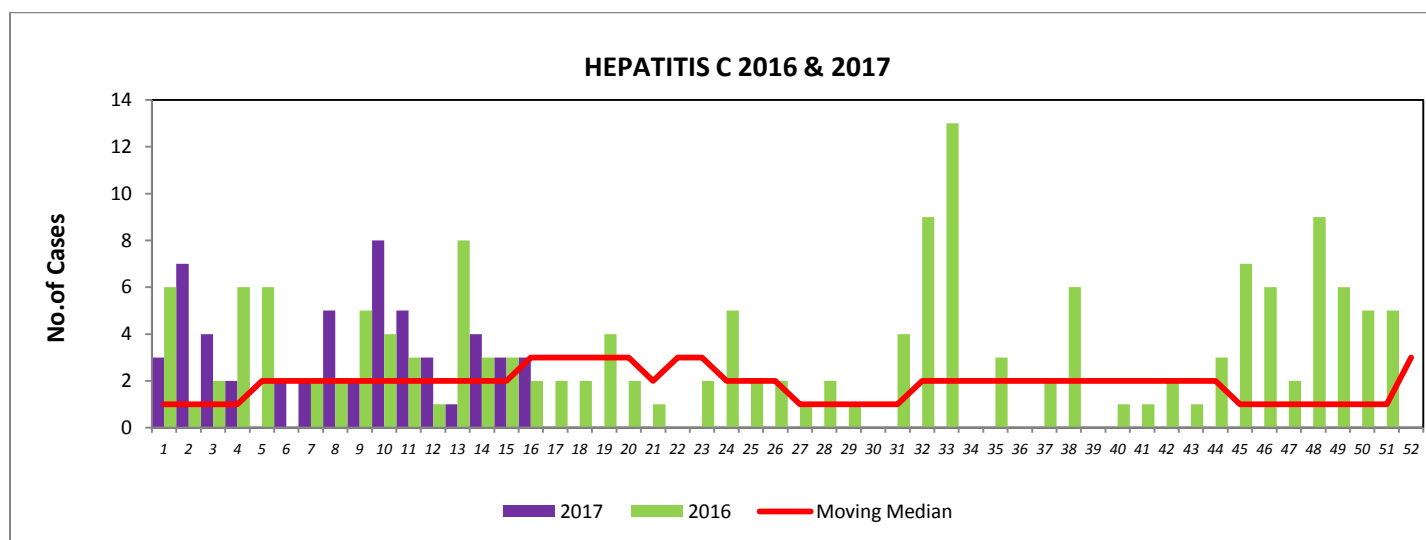
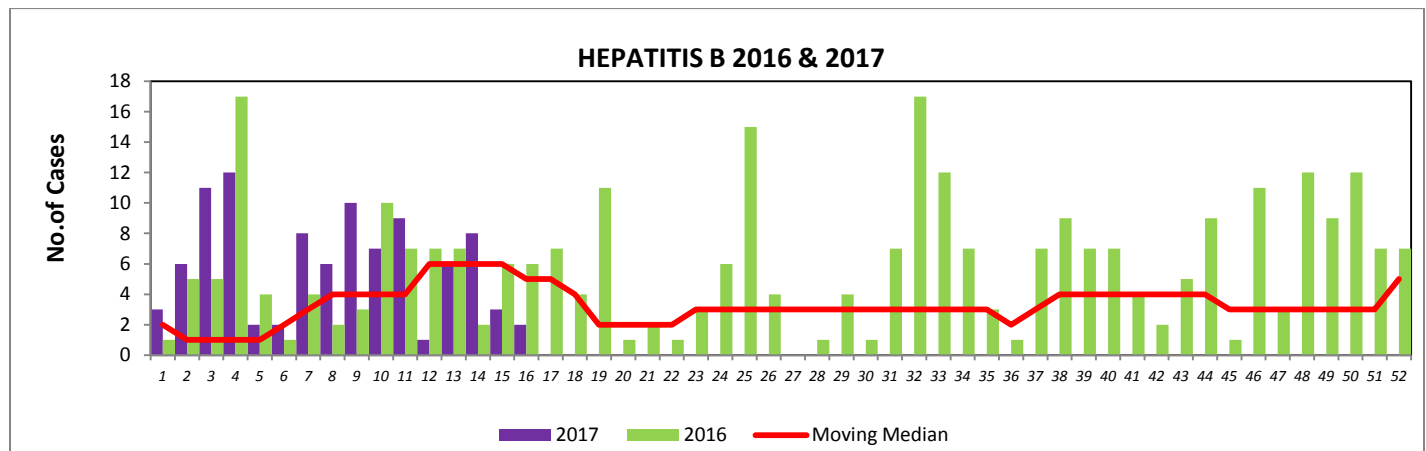
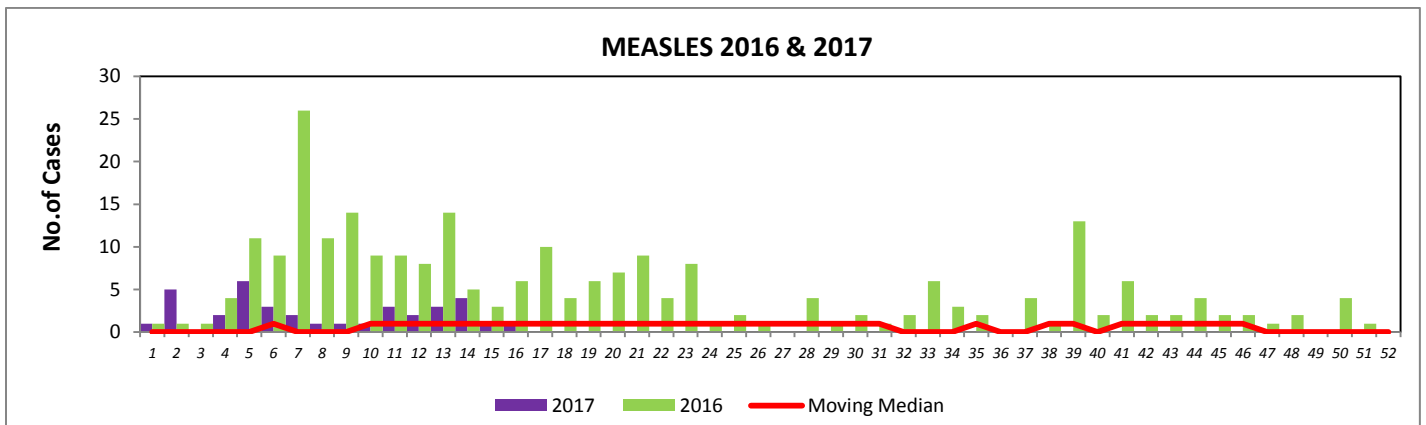
## 8. WEEKLY CASES OF OTHER FOOD WATERBORNE DISEASES, 2016—2017



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



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





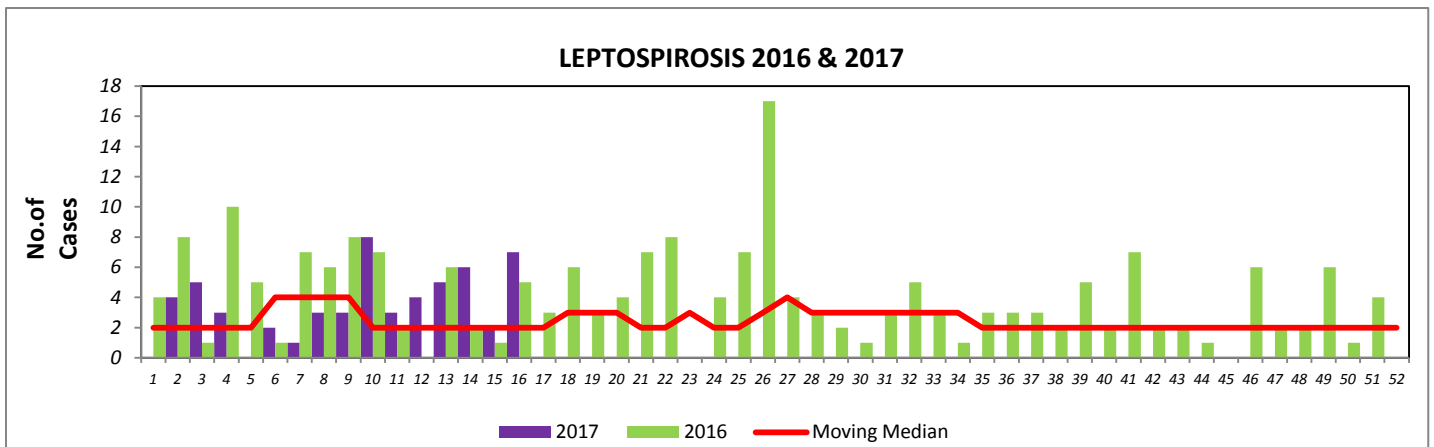
## 10.2 MEASLES ENHANCED SURVEILLANCE DATA (Cumulative)

Case classification	Frequency
Clinically confirmed	1
Epidemiologically confirmed	0
Lab confirmed	38
Discarded	88
Pending	7

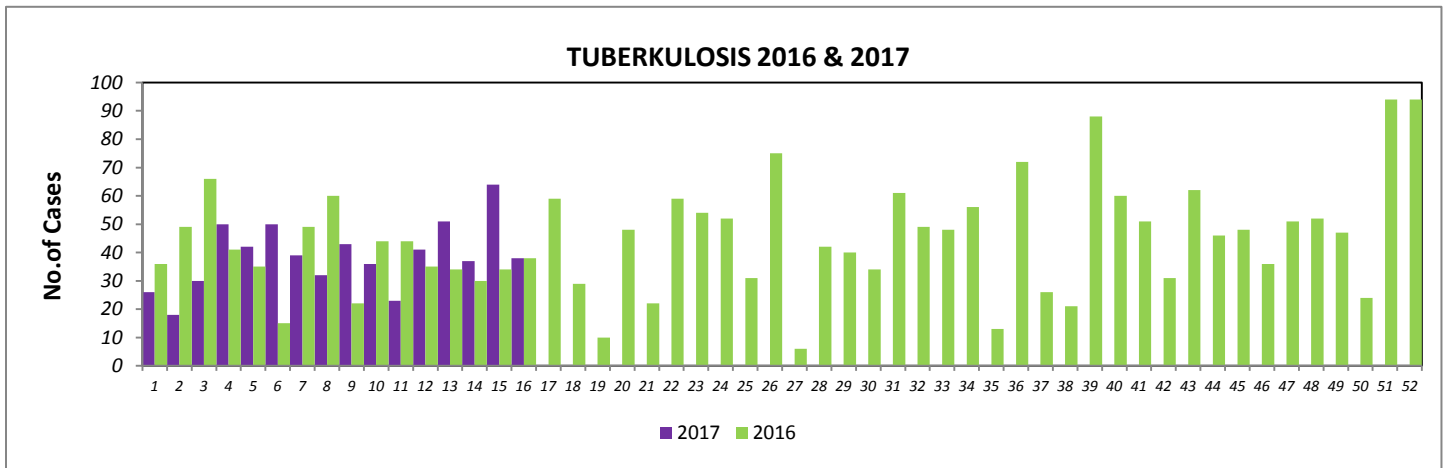
Total notifications	134
Incidence rate	36.9 per 1 million population

Indicator	Achievement	Target
Cases notified within 48 hours of rash onset	51%	100%
Cases investigated within 48 hours	92%	>80%
Sample taken for confirmation	93%	>80%
Cases classified	95%	100%
Confirmed case with source of infection identified	84%	>80%
Death	0	0

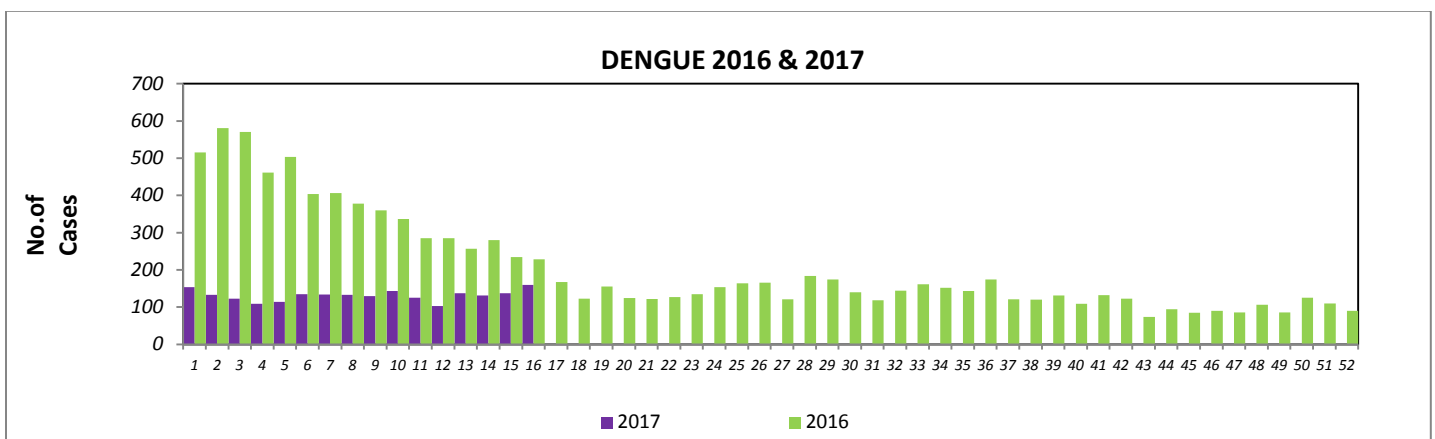
## 11. LEPTOSPIROSIS



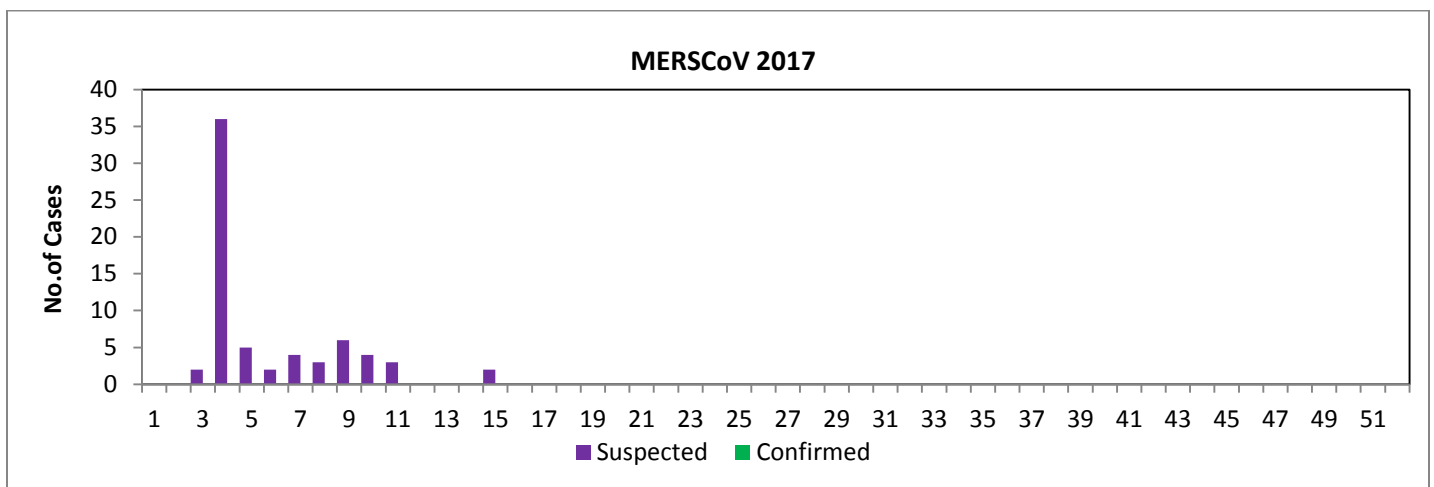
## 12. TUBERCULOSIS



## 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 15 2017	2016	Cumulative 2017	2016	EW 15 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

