

OUTBREAKS / CLUSTERS / UNUSUAL EVENTS EW 20

No	District	Locality	Disease /Event	Number Of Cases
1	Kulai	46E, Jln Kenari Felda Taib Andak Kulai	Food Poisoning	2
2	Kluang	Kantin Sek.Keb.Felda Bukit Tongkat, Jalan Mawar, Felda Ulu Belitong, Kluang	Food Poisoning	42
3	Johor Bahru	Wei Tat Stainless Industry 4, Jalan Silat Harimau 21, Bandar Selesa Jaya, 81300, Skudai, Johor, Malaysia.	ILI	19
4	Johor Bahru	06-06, Blok B, Larkin Indah Apartment, Jalan Datin Halimah Johor Bahru	Measles	3

Zika virus infection – India

On 15 May 2017, the Ministry of Health and Family Welfare-Government of India (MoHFW) reported three laboratory-confirmed cases of Zika virus disease in Bapunagar area, Ahmedabad District, Gujarat, State, India.

The routine laboratory surveillance detected a laboratory-confirmed case of Zika virus disease through RT-PCR test at B.J. Medical College, Ahmedabad, Gujarat. The etiology of this case has been further confirmed through a positive RT-PCR test and sequencing at the national reference laboratory, National Institute of Virology (NIV), Pune on 4 January 2017. Two additional cases, have then been identified through the Acute Febrile Illness (AFI) and the Antenatal clinic (ANC) surveillance.

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

DISEASE		EW 20/2017	EW 20/2016	MEDIAN	CUMULATIVE 2016	CUMULATIVE 2017
NOTIFIABLE DISEASES						
1.	AVIAN INFLUENZA	0	0	NA	0	0
2.	CHANCROID	0	0	0	0	1
3.	CHOLERA	0	0	0	0	0
4.	DENGUE FEVER	174	124	87	6648	2698(10)
	DENGUE HAEMORRHAGIC FEVER	0	0	0	4	3
5.	DIPHTHERIA	0	0	0	0	0
6.	DYSENTERY (all type)	0	0	0	2	6
7.	EBOLA	0	0	0	0	0
8.	FOOD POISONING (episode)	0	1	0	29	23
	FOOD POISONING (case)	0	89	41	1182	525
9.	GONOCOCCAL INFECTION (all forms)	6	5	5	105	128
10.	HAND,FOOT&MOUTH DISEASE (HFMD)	39	115	86	995	1356
11.	HIV INFECTION (all forms)	6	2	6	225	217
	HIV DEATH	2	0	0	19	18
12.	LEPROSY	1	0	0	3	5
13.	LEPTOSPIROSIS	5	4	5	90	72(3)
14.	MALARIA	0	0	1	5	18
15.	MEASLES	15	6	1	159	76
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)	6	5	0	56	109
22.	TETANUS (Neonatorum / Adult)	0	0	0	1	0
23.	TUBERCULOSIS (all forms)	42	48	45	778	760
	TUBERCULOSIS DEATH	0	1	0	19	13
24.	TYPHOID & PARATYPHOID FEVER	0	0	0	4	3
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	3	1
	b) Hepatitis B	4	1	4	110	117(1)
	c) Hepatitis C	5	2	3	64	68(2)
	d) Other Hepatitis	0	0	0	2	0
28.	PERTUSSIS	0	0	0	6	3
29.	YELLOW FEVER	0	0	0	0	0
30.	ZIKA	0	0	NA	0	1
OTHER DISEASES UNDER SURVEILLANCE						
1	ACUTE FLACCID PARALYSIS (AFP)	0	0	0	2	5
2	ACUTE GASTROENTERITIS (AGE)	170	296	564	7240	3369(1)
3	FILARIASIS	0	0	0	4	17
4	INFLUENZA-LIKE ILLNESS (ILI)	924	840	137	16741	15369
5	SEVERE ACUTE RESPIRATORY INFECTION (sARI)	26	9	0	199	420
6	MELIOIDOSIS	0	0	0	14	7(2)
7	BRUCELLOSIS	0	0	0	7	1
8	CHIKUNGUNYA	2	NA	NA	NA	24

2. COMMUNICABLE DISEASES 2013 – 2017, JOHORE STATE

DISEASE		2013	2014	2015	2016	2017
NOTIFIABLE DISEASES						
1.	AVIAN INFLUENZA	NA	NA	NA	0	0
2.	CHANCROID	0	0	0	0	1
3.	CHOLERA	0	0	0	0	0
4.	DENGUE FEVER	1018	1956	2779	6648	2698(10)
	DENGUE HAEMORRHAGIC FEVER	28	13	3	4	3
5.	DIPHTHERIA	0	0	0	0	0
6.	DYSENTERY (all types)	0	1	3	2	6
7.	EBOLA	0	0	0	0	0
8.	FOOD POISONING (episode)	16	26	22	29	23
	FOOD POISONING (case)	593	980	604	1182	525
9.	GONOCOCCAL INFECTION (all forms)	30	30	116	105	128
10.	HAND, FOOT & MOUTH DISEASE (HFMD)	706	869	1349	995	1356
11.	HIV INFECTION (all forms)	237	235	277	225	217
	HIV DEATH	0	0	0	19	18
12.	LEPROSY	4	4	6	3	5
13.	LEPTOSPIROSIS	21	76	151	90	72(3)
14.	MALARIA	24	10	10	5	18
15.	MEASLES	6	4	11	159	76
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)	16	36	43	56	109
22.	TETANUS (Neonatorum / Adult)	0	1	0	1	0
23.	TUBERCULOSIS (all forms)	732	803	973	778	760
	TUBERCULOSIS DEATH	0	0	0	19	13
24.	TYPHOID & PARATYPHOID FEVER	5	6	6	4	3
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	3	1
	b) Hepatitis B	71	60	110	110	117(1)
	c) Hepatitis C	92	53	61	64	68(2)
	d) Other Hepatitis	0	0	1	2	0
28.	PERTUSSIS	0	1	4	6	3
29.	YELLOW FEVER	0	0	0	0	0
30.	ZIKA	NA	NA	NA	0	1
OTHER DISEASES UNDER SURVEILLANCE						
1	ACUTE FLACCID PARALYSIS (AFP)	0	4	1	2	5
2	ACUTE GASTROENTERITIS (AGE)	14247	11533	1237	7240	3369(1)
3	FILARIASIS	0	8	13	4	17
4	INFLUENZA-LIKE ILLNESS (ILI)	3027	2833	2573	16741	15369
5	SEVERE ACUTE RESPIRATORY INFECTION (sARI)	0	213	4	199	420
6	MELIOIDOSIS	0	0	0	14	7(2)
7	BRUCELLOSIS	0	0	0	7	1
8	CHIKUNGUNYA	0	0	0	NA	24

3. COMMUNICABLE DISEASES FOR CURRENT WEEK BY DISTRICT, 2017, JOHORE STATE

	DISEASE	JB	KJ	MR	LG	BP	KG	ST	PN	KT	MG	JOHORE
NOTIFIABLE DISEASES												
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	144	8	0	1	5	7	2	1	6	0	174
	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	0	0	0	0	0	0	0	0	0	0
7.	EBOLA	0	0	0	0	0	0	0	0	0	0	0
8.	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
9.	GONOCOCCAL INFECTION (all forms)	1	1	0	0	0	1	0	1	0	2	6
10.	HAND, FOOT & MOUTH DISEASE (HFMD)	14	1	2	1	2	11	1	1	5	1	39
11.	HIV INFECTION (all forms)	4	0	0	0	0	2	0	0	0	0	6
	HIV DEATH	0	0	0	0	0	2	0	0	0	0	2
12.	LEPROSY	0	0	1	0	0	0	0	0	0	0	1
13.	LEPTOSPIROSIS	2	0	0	0	0	1	0	2(1)	0	0	5(1)
14.	MALARIA	0	0	0	0	0	0	0	0	0	0	0
15.	MEASLES	15	0	0	0	0	0	0	0	0	0	15
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)	2	0	1	0	1	2	0	0	0	0	6
22.	TETANUS (Neonatorum / Adult)	0	0	0	0	0	0	0	0	0	0	0
23.	TUBERCULOSIS (all forms)	23	3	5	1	0	5	2	0	3	0	42
	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	1	0	1	0	2	0	0	0	0	0	4
	c) Hepatitis C	0	1	0	0	1	2	0	0	0	1	5
	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	0	0	0	0	0	0	0
OTHER DISEASES UNDER SURVEILLANCE												
1	ACUTE FLACCID PARALYSIS (AFP)	0	0	0	0	0	0	0	0	0	0	0
2	ACUTE GASTROENTERITIS (AGE)	0	3	32	0	0	0	60	0	56	19	170
3	FILARIASIS	0	0	0	0	0	0	0	0	0	0	0
4	INFLUENZA-LIKE ILLNESS (ILI)	924	0	0	0	0	0	0	0	0	0	924
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
8	CHIKUNGUNYA	1	0	0	0	0	1	0	0	0	0	2

4. COMMUNICABLE DISEASES CUMULATIVE BY DISTRICT, 2017, JOHORE STATE

	DISEASE	JB	KJ	MR	LG	BP	KG	ST	PN	KT	MG	JOHORE
NOTIFIABLE DISEASES												
1.	AVIAN INFLUENZA	0	0	0	0	0	0	0	0	0	0	0
2.	CHANCROID	1	0	0	0	0	0	0	0	0	0	1
3.	CHOLERA	0	0	0	0	0	0	0	0	0	0	0
4.	DENGUE FEVER	2098(6)	111	38	24	83	77(2)	96(2)	87	55	29	2698(10)
	DENGUE HAEMORRHAGIC FEVER	2	0	0	0	0	1	0	0	0	0	3
5.	DIPHTHERIA	0	0	0	0	0	0	0	0	0	0	0
6.	DYSENTERY (all types)	5	1	0	0	0	0	0	0	0	0	6
7.	EBOLA	0	0	0	0	0	0	0	0	0	0	0
8.	FOOD POISONING (episode)	5	8	1	2	1	2	1	0	2	1	23
	FOOD POISONING (case)	111	52	46	43	11	49	131	0	44	38	525
9.	GONOCOCCAL INFECTION (all forms)	67	14	1	1	22	5	2	5	7	4	128
10.	HAND, FOOT & MOUTH DISEASE (HFMD)	702	72	72	24	72	241	40	29	75	29	1356
11.	HIV INFECTION (all forms)	132	12	14	1	20	16	6	8	6	2	217
	HIV DEATH	4	0	3	0	4	4	1	1	1	0	18
12.	LEPROSY	2	1	1	0	0	1	0	0	0	0	5
13.	LEPTOSPIROSIS	13(2)	1	12	3	1	7	20	4(1)	6	5	72(3)
14.	MALARIA	4	0	1	0	0	0	1	0	10	2	18
15.	MEASLES	64	5	2	1	0	2	0	2	0	0	76
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)	75	8	2	0	9	8	1	3	1	2	109
22.	TETANUS (Neonatorum / Adult)	0	0	0	0	0	0	0	0	0	0	0
23.	TUBERCULOSIS (all forms)	353	49	39	24	86	52	38	39	55	25	760
	TUBERCULOSIS DEATH	4	0	0	3	1	1	0	1	3	0	13
24.	TYPHOID & PARATYPHOID FEVER	0	0	1	0	0	0	1	1	0	0	3
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	71	1	6(1)	4	14	6	3	5	6	1	117(1)
	c) Hepatitis C	15	5	5	1	10	19	2	6(1)	4(1)	1	68(2)
	d) Other Hepatitis	0	0	0	0	0	0	0	0	0	0	0
28.	WHOOPING COUGH	2	0	1	0	0	0	0	0	0	0	3
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
OTHER DISEASES UNDER SURVEILLANCE												
1	ACUTE FLACCID PARALYSIS (AFP)	2	0	0	0	2	0	1	0	0	0	5
2	ACUTE GASTROENTERITIS (AGE)	434	7	124	0	522	132	1091	0	780(1)	279	3369(1)
3	FILARIASIS	0	1	0	0	4	0	0	2	10	0	17
4	INFLUENZA-LIKE ILLNESS (ILI)	15369	0	0	0	0	0	0	0	0	0	15369
5	SEVERE ACUTE RESPIRATORY INFECTION (sARI)	420	0	0	0	0	0	0	0	0	0	420
6	MELIOIDOSIS	4(1)	0	0	0	0	2	1(1)	0	0	0	7(2)
7	BRUCELLOSIS	0	0	0	0	0	0	1	0	0	0	1
8	CHIKUNGUNYA	8	0	1	0	12	3	0	0	0	0	24

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	9	1	2	1	2	1	0	3	1	27
5 HAND, FOOT & MOUTH DISEASE (HFMD)	7	2	1	0	0	3	0	0	1	1	15
6 HEPATITIS A	0	0	0	0	0	0	0	0	0	0	0
7 INFLUENZA/(ILI)	5	0	0	1	0	0	0	0	0	0	6
8 LEPTOSPIROSIS	0	0	0	0	0	0	0	0	0	0	0
9 MEASLES	3	0	1	0	0	0	0	0	0	0	4
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 ROTAVIRUS	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

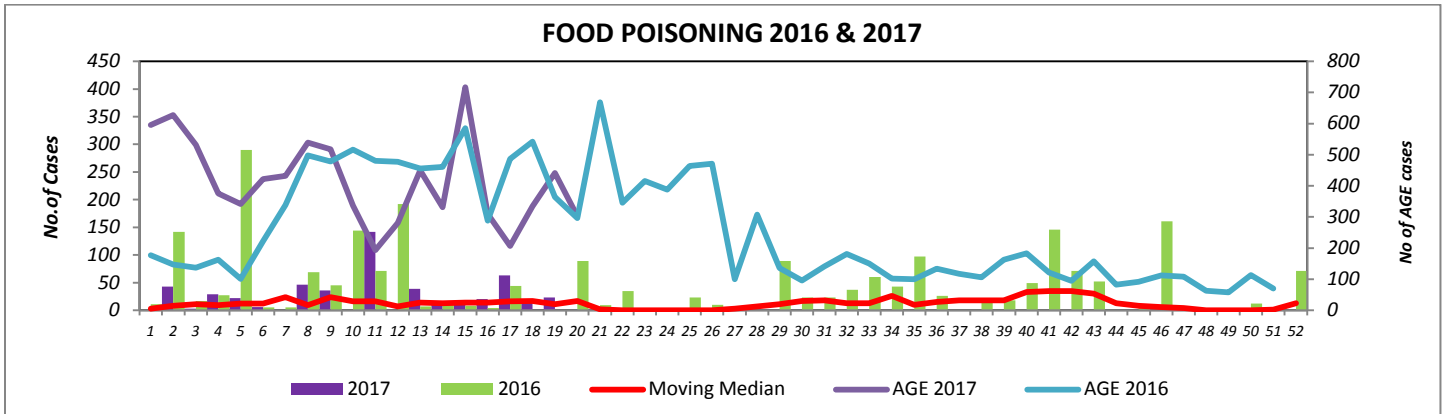
6.1 ILI SURVEILLANCE (KPL MAHMOODIAH)

ILI Surveillance	EW 20					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	90	146	398	290	924	1450	2079	7496	4344	15369
Total Outpatient Attendances	187	256	2890	1828	5161	3023	5346	48140	29512	86021

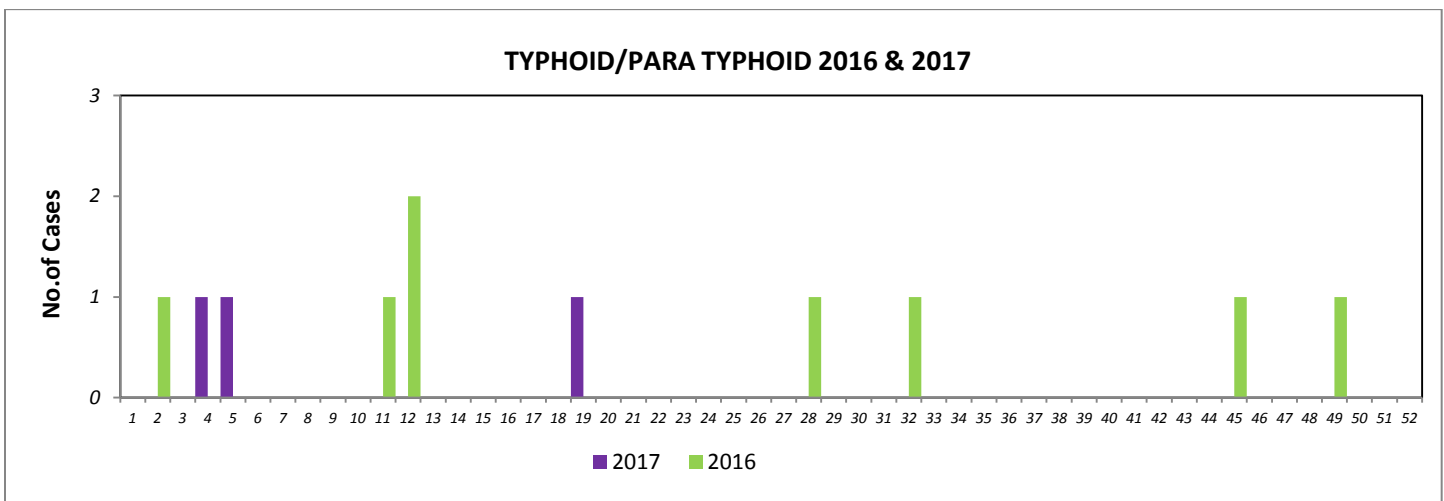
6.2 sARI SURVEILLANCE (HOSPITAL SULTANAH AMINAH, JOHOR BAHRU)

sARI Surveillance	EW 20			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)	25	1	26	348	94	442

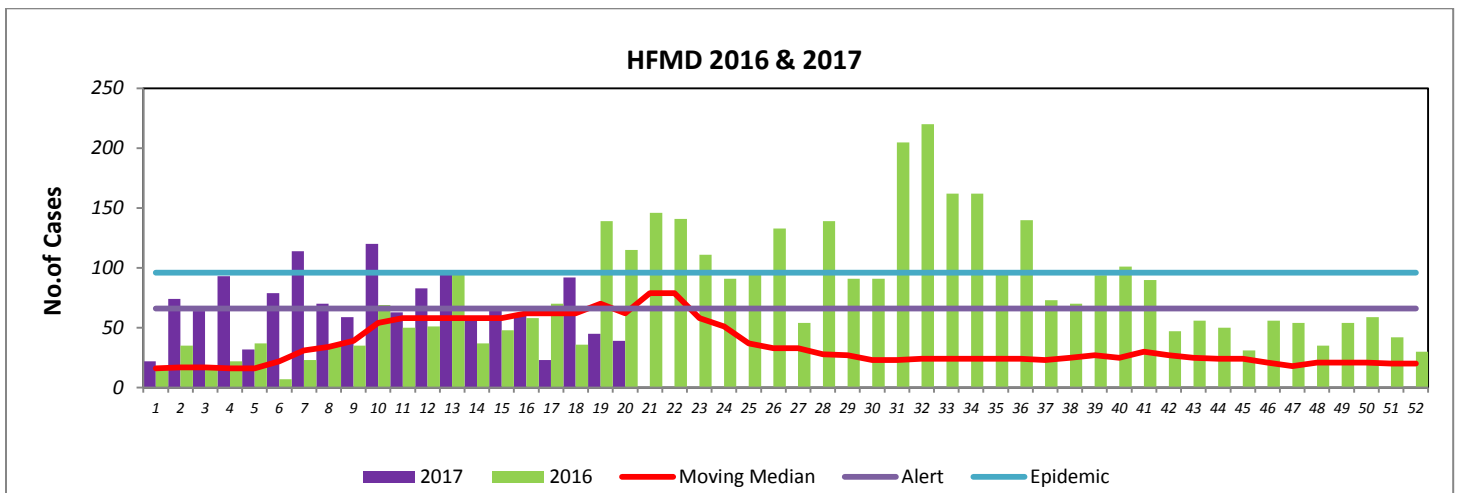
7. WEEKLY CASES OF FOOD POISONING, 2016—2017



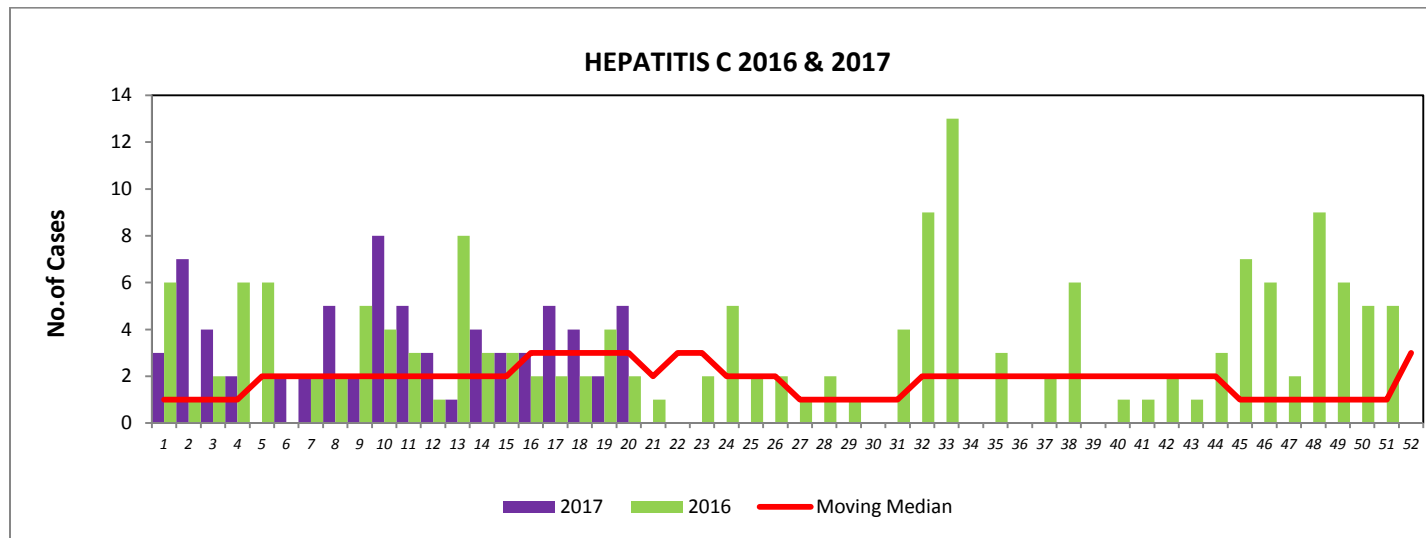
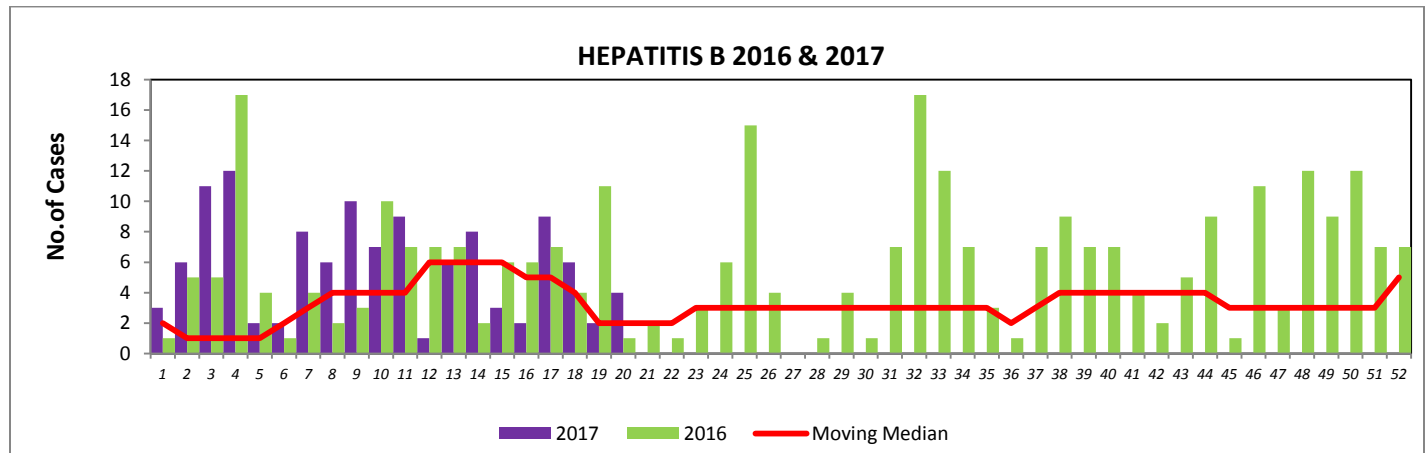
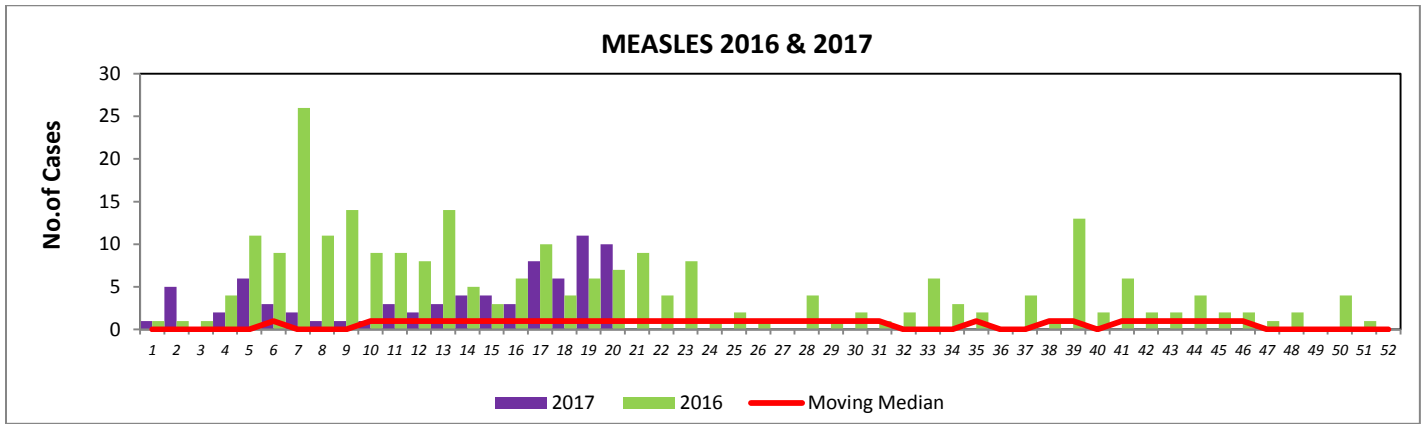
8. WEEKLY CASES OF OTHER FOOD WATERBORNE DISEASES, 2016—2017



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



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



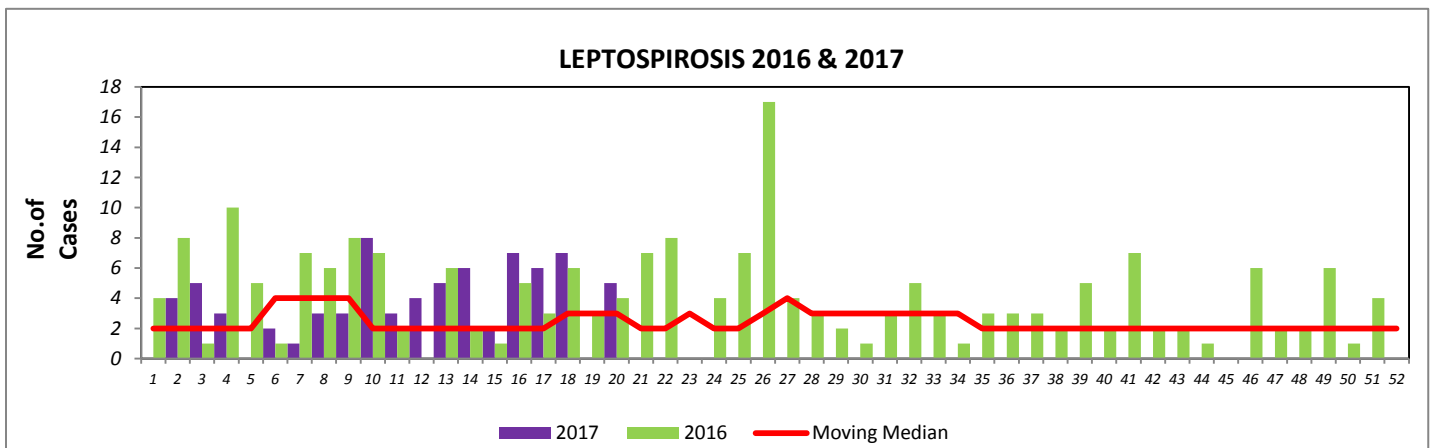
10.2 MEASLES ENHANCED SURVEILLANCE DATA (Cumulative)

Case classification	Frequency
Clinically confirmed	2
Epidemiologically confirmed	0
Lab confirmed	76
Discarded	118
Pending	18

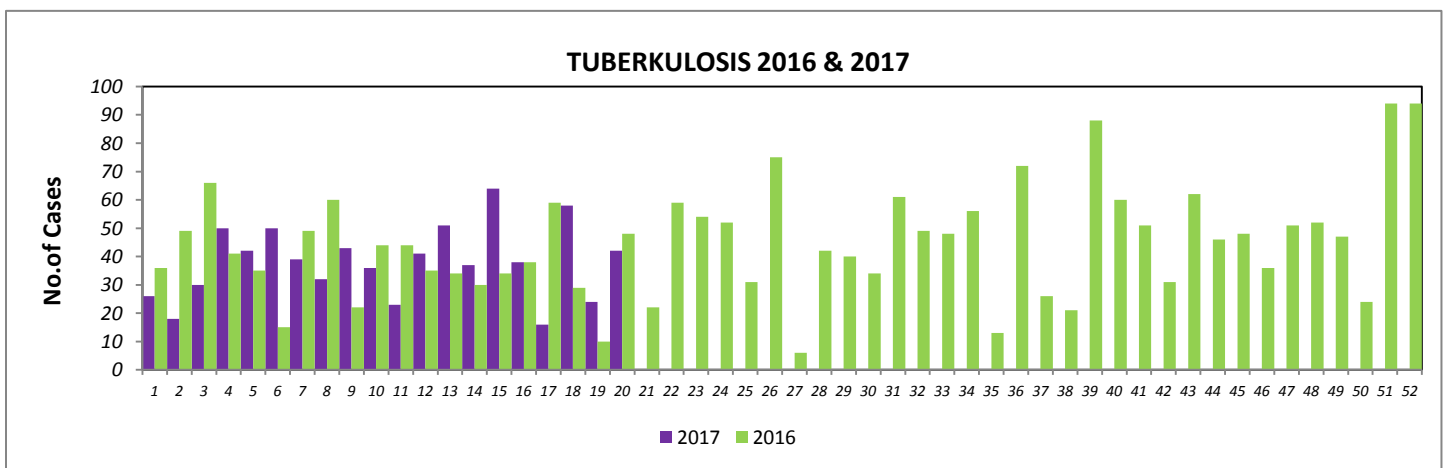
Total notifications	214
Incidence rate	58.9 per 1 million population

Indicator	Achievement	Target
Cases notified within 48 hours of rash onset	54%	100%
Cases investigated within 48 hours	96%	>80%
Sample taken for confirmation	92%	>80%
Cases classified	92%	100%
Confirmed case with source of infection identified	89%	>80%
Death	0	0

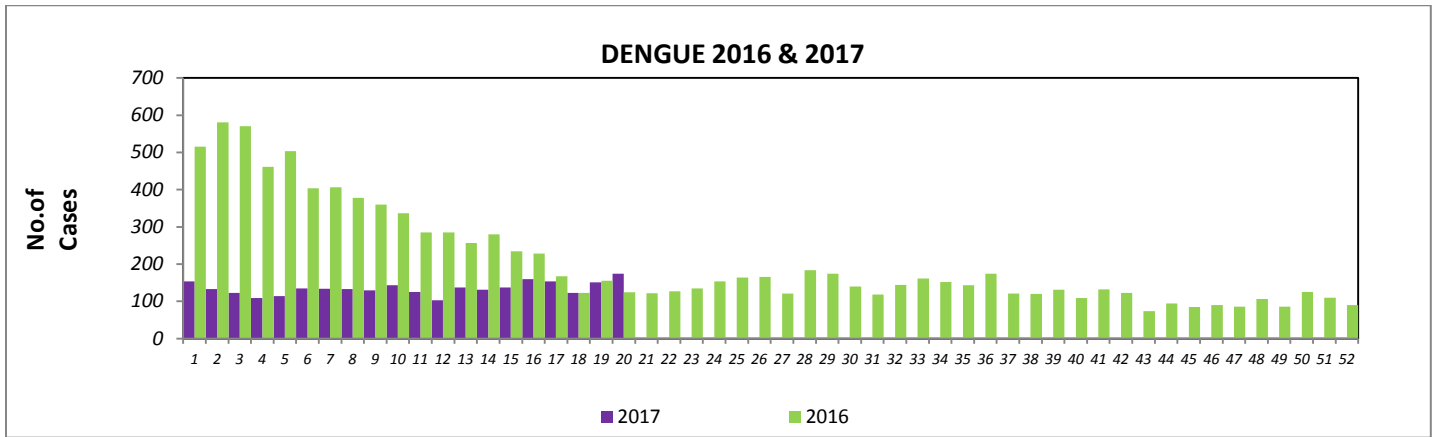
11. LEPTOSPIROSIS



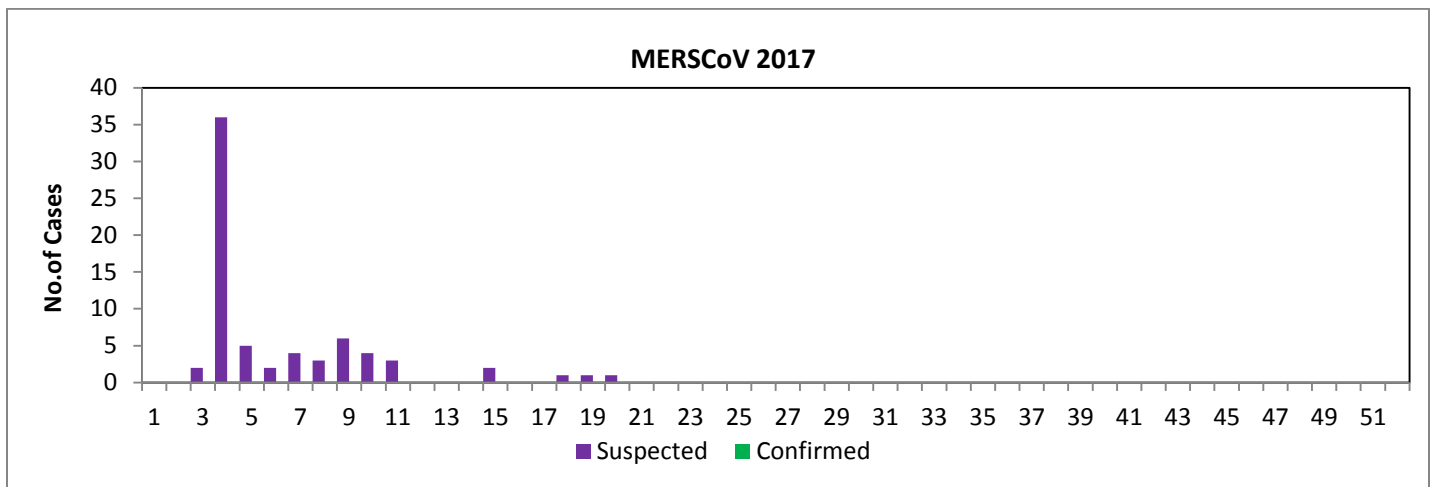
12. TUBERCULOSIS



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 19 2017	EW 19 2016	Cumulative 2017	Cumulative 2016
1 <i>Salmonella typhi</i> / <i>Salmonella spp.</i>	12	9	294	551
2 <i>Yersinia enterocolitica</i>	6	8	217	318
3 <i>Vibrio cholerae</i> / <i>Vibro para</i>	6	8	217	322
4 <i>Plesiomonas shigelloides</i> / <i>spp</i>	6	8	217	318
5 <i>Enteropathogenic E.coli (EPEC, EHEC)</i>	6	8	217	318
6 <i>Aeromonas hydrophilia</i> / <i>spp</i>	6	8	217	318
7 <i>Shigella spp.</i>	6	8	217	318
8 <i>Bacillus cereus (positive enterotoxin)</i>	6	8	217	318
9 <i>Staphylococcus aureus (positive enterotoxin)</i>	6	8	217	318
10 <i>Campylobacter jejuni/coli/spp</i>	6	8	217	318

16. INFLUENZA SURVEILLANCE

