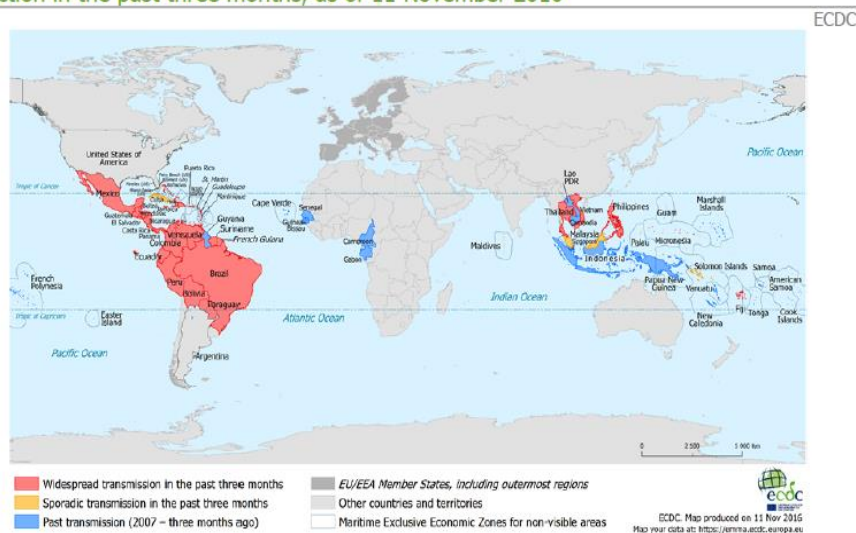


LOCAL OUTBREAKS / CLUSTERS / UNUSUAL EVENTS EW 45

No	District	Locality	Disease /event	Number of cases
1	Johor Bahru	MRSM Bandar Seri Alam	Food Poisoning	120
2	Johor Bahru	Asrama Kolej Kesihatan Sains Bersekutu	Food Poisoning	24

Countries or territories with reported confirmed autochthonous cases of Zika virus infection in the past three months, as of 11 November 2016



Middle East respiratory syndrome coronavirus (MERS-CoV) – Saudi Arabia

11 November 2016

Between 15 and 29 October 2016 the National IHR Focal Point of Saudi Arabia reported thirteen (13) additional cases of Middle East Respiratory Syndrome (MERS) including four (4) fatal cases.

A MERS outbreak has affected a hospital in Hofuf city, Al Ahssa Region. Four (4) cases are associated with this hospital outbreak.

One additional case is also associated with the index case but not with the hospital outbreak. This case is a 40-year-old male reported to WHO on 21 October (ambulance driver who transferred the index case before he was identified as a MERS case and isolated

Globally, since September 2012, WHO has been notified of 1826 laboratory-confirmed cases of infection with MERS-CoV including at least 649 related deaths have been reported to WHO.

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

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

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

DISEASE		EW 45 2016	EW 45 2015	MEDIAN	CUMULATIVE 2015	CUMULATIVE 2016
NOTIFIABLE DISEASES						
1.	CHANCROID	0	0	0	0	0
2.	CHOLERA	0	0	0	0	0
3.	DENGUE FEVER	85	286	144	13627	9958(20)
	DENGUE HAEMORRHAGIC FEVER	0	1	0	13	7
4.	DIPHThERIA	0	0	0	0	0
5.	DYSENTERY (all type)	0	0	0	10	6
6.	EBOLA	0	0	0	0	0
7.	FOOD POISONING (episode)	0	0	0	40	73
	FOOD POISONING (case)	6	13	10	1223	2016(2)
8.	GONOCOCCAL INFECTION (all forms)	12	3	3	249	284
9.	HAND,FOOT&MOUTH DISEASE (HFMD)	31	18	18	1970	3693
10.	HIV INFECTION (all forms)	7	12	10	649	531
	HIV DEATH	1	0	0	0	68
11.	LEPROSY	1	0	0	7	7
12.	LEPTOSPIROSIS	1	1	2	286	184(14)
13.	MALARIA	3	0	1	36	38
14.	MEASLES	1	3	0	58	233
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)	1	1	1	107	182(1)
20.	TETANUS (Neonatorum / Adult)	0	0	0	2	1
21.	TUBERCULOSIS (all forms)	48	71	36	2070	1925
	TUBERCULOSIS DEATH	1	0	0	0	41
22.	TYPHOID & PARATYPHOID FEVER	1	0	0	11	7(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	4
	b) Hepatitis B	1	13	3	362	245(6)
	c) Hepatitis C	7	4	2	138	132(3)
	d) Other Hepatitis	0	0	0	1	2
26.	PERTUSSIS	0	1	0	16	10
27.	YELLOW FEVER	0	0	0	0	0
OTHER DISEASES UNDER SURVEILLANCE						
1	ACUTE FLACCID PARALYSIS (AFP)	0	0	0	12	12
2	ACUTE GASTROENTERITIS (AGE)	92	55	610	2376	12526
3	FILARIASIS	0	1	0	16	14
4	INFLUENZA-LIKE ILLNESS (ILI)	315	40	114	4608	36651
5	SEVERE ACUTE RESPIRATORY INFECTION (sARI)	16	0	0	34	640
6	MELIOIDOSIS	0	0	0	30	21
7	BRUCellosIS	0	0	0	22	7
8	ZIKA	0	0	0	0	2

2. COMMUNICABLE DISEASES 2012 – 2016, JOHORE STATE

DISEASE		2012	2013	2014	CUMULATIVE 2015	2016
NOTIFIABLE DISEASES						
1.	CHANCROID	0	0	0	0	0
2.	CHOLERA	0	0	0	0	0
3.	DENGUE FEVER	1346	3728	5139	13627	9958(20)
	DENGUE HAEMORRHAGIC FEVER	48	66	30	13	7
4.	DIPHTHERIA	0	0	0	0	0
5.	DYSENTERY (all types)	1	0	1	10	6
6.	EBOLA	0	0	0	0	0
7.	FOOD POISONING (episode)	0	40	49	40	73
	FOOD POISONING (case)	1342	1322	2002	1223	2016(2)
8.	GONOCOCCAL INFECTION (all forms)	204	122	117	249	284
9.	HAND, FOOT & MOUTH DISEASE (HFMD)	2262	1553	1831	1970	3693
10.	HIV INFECTION (all forms)	0	505	577	649	531
	HIV DEATH	0	0	0	0	68
11.	LEPROSY	7	12	8	7	7
12.	LEPTOSPIROSIS	63	49	349	286	184(14)
13.	MALARIA	83	56	41	36	38
14.	MEASLES	0	10	10	58	233
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)	140	40	54	107	182(1)
20.	TETANUS (Neonatorum / Adult)	1	0	1	2	1
21.	TUBERCULOSIS (all forms)	1804	1674	1794	2070	1925
	TUBERCULOSIS DEATH	0	0	0	0	41
22.	TYPHOID & PARATYPHOID FEVER	9	15	12	11	7(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	4
	b) Hepatitis B	212	150	173	362	245(6)
	c) Hepatitis C	125	146	119	138	132(3)
	d) Other Hepatitis	0	0	0	1	2
26.	PERTUSSIS	5	2	8	16	10
27.	YELLOW FEVER	0	0	0	0	0
OTHER DISEASES UNDER SURVEILLANCE						
1	ACUTE FLACCID PARALYSIS (AFP)	0	0	12	12	12
2	ACUTE GASTROENTERITIS (AGE)	32583	31536	27491	2376	12526
3	FILARIASIS	0	0	11	16	14
4	INFLUENZA-LIKE ILLNESS (ILI)	7768	6910	6428	4608	36651
5	SEVERE ACUTE RESPIRATORY INFECTION (sARI)	0	0	385	34	640
6	MELIOIDOSIS	0	0	0	30	21
7	BRUCELLOSIS	0	0	0	22	7
8	ZIKA	NA	NA	NA	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
NOTIFIABLE DISEASES												
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	52	6	5	4	3	4	4	4	3	0	85
	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	6	0	0	0	0	0	6
8.	GONOCOCCAL INFECTION (all forms)	2	2	0	0	4	0	1	3	0	0	12
9.	HAND, FOOT & MOUTH DISEASE (HFMD)	15	4	1	0	5	1	0	0	4	1	31
10.	HIV INFECTION (all forms)	5	0	0	0	0	1	1	0	0	0	7
	HIV DEATH	1	0	0	0	0	0	0	0	0	0	1
11.	LEPROSY	0	0	1	0	0	0	0	0	0	0	1
12.	LEPTOSPIROSIS	0	0	0	0	0	1	0	0	0	0	1
13.	MALARIA	0	1	0	0	0	0	0	0	1	1	3
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)	1	0	0	0	0	0	0	0	0	0	1
20.	TETANUS (Neonatorum / Adult)	0	0	0	0	0	0	0	0	0	0	0
21.	TUBERCULOSIS (all forms)	24	7	12	0	0	3	0	0	2	0	48
	TUBERCULOSIS DEATH	0	1	0	0	0	0	0	0	0	0	1
22.	TYPHOID & PARATYPHOID FEVER	0	0	0	0	0	1	0	0	0	0	1
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	1	0	0	0	0	0	0	0	0	0	1
	c) Hepatitis C	4	0	0	0	0	0	0	1	2	0	7
	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
OTHER DISEASES UNDER SURVEILLANCE												
1	ACUTE FLACCID PARALYSIS (AFP)	0	0	0	0	0	0	0	0	0	0	0
2	ACUTE GASTROENTERITIS (AGE)	23	0	0	0	0	0	40	0	0	29	92
3	FILARIASIS	0	0	0	0	0	0	0	0	0	0	0
4	INFLUENZA-LIKE ILLNESS (ILI)	315	0	0	0	0	0	0	0	0	0	315
5	SEVERE ACUTE RESPIRATORY INFECTION (sARI)	16	0	0	0	0	0	0	0	0	0	16
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
NOTIFIABLE DISEASES												
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	7696(17)	468	153(1)	80	252	288	291(1)	145	509	76(1)	9958(20)
	DENGUE HAEMORRHAGIC FEVER	6	0	0	0	0	0	0	0	1	0	7
4.	DIPHTHERIA	0	0	0	0	0	0	0	0	0	0	0
5.	DYSENTERY (all types)	5	1	0	0	0	0	0	0	0	0	6
6.	EBOLA	0	0	0	0	0	0	0	0	0	0	0
7.	FOOD POISONING (episode)	26	14	5	4	6	2	1	3	11	1	73
	FOOD POISONING (case)	462	152(2)	353	118	412	29	247	35	186	22	2016(2)
8.	GONOCOCCAL INFECTION (all forms)	135	30	2	1	73	3	6	10	15	9	284
9.	HAND, FOOT & MOUTH DISEASE (HFMD)	1759	322	237	228	222	421	65	135	213	91	3693
10.	HIV INFECTION (all forms)	321	22	36	7	36	29	26	28	16	10	531
	HIV DEATH	19	1	9	3	7	5	9	8	2	5	68
11.	LEPROSY	4	0	1	0	1	0	0	0	0	1	7
12.	LEPTOSPIROSIS	71(11)	21	19(1)	6	11	4(1)	24	9	12(1)	7	184(14)
13.	MALARIA	8	2	2	1	4	2	1	1	13	4	38
14.	MEASLES	155	14	17	1	12	23	4	4	3	0	233
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)	125(1)	22	8	2	8	8	3	3	0	3	182(1)
20.	TETANUS (Neonatorum / Adult)	1	0	0	0	0	0	0	0	0	0	1
21.	TUBERCULOSIS (all forms)	936	127	129	58	183	159	86	77	128	42	1925
	TUBERCULOSIS DEATH	17	6	3	4	0	5	1	1	4	0	41
22.	TYPHOID & PARATYPHOID FEVER	2	0	1	2	0	1	0	0	0	1	7
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	3	0	0	0	1	0	0	0	0	0	4
	b) Hepatitis B	119(1)	12	31(2)	2	25	8(1)	11	10(1)	24	3(1)	245(6)
	c) Hepatitis C	29(1)	2	11(1)	7(1)	27	16	7	11	20	2	132(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
OTHER DISEASES UNDER SURVEILLANCE												
1	ACUTE FLACCID PARALYSIS (AFP)	5	0	2	0	5	0	0	0	0	0	12
2	ACUTE GASTROENTERITIS (AGE)	2100	107	372	531	239 2	1191	2391	584	1737	1121	12526
3	FILARIASIS	0	0	0	1	1	0	0	2	10	0	14
4	INFLUENZA-LIKE ILLNESS (ILI)	36651	0	0	0	0	0	0	0	0	0	36651
5	SEVERE ACUTE RESPIRATORY INFECTION (sARI)	631	0	0	0	0	0	0	0	0	0	631
6	MELIOIDOSIS	1	1	5	0	6	2	3	3	0	0	21
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	2	0	0	0	0	3
2	CHICKEN POX	2	0	0	0	0	0	0	0	0	0	2
3	CONJUNCTIVITIS	0	0	0	0	0	0	0	0	0	1	1
4	FOOD POISONING	27	14	4	2	6	2	1	3	10	1	70
5	HAND, FOOT & MOUTH DISEASE (HFMD)	50	10	4	8	1	18	1	0	5	2	99
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	9	0	2	0	0	0	0	0	0	0	11
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

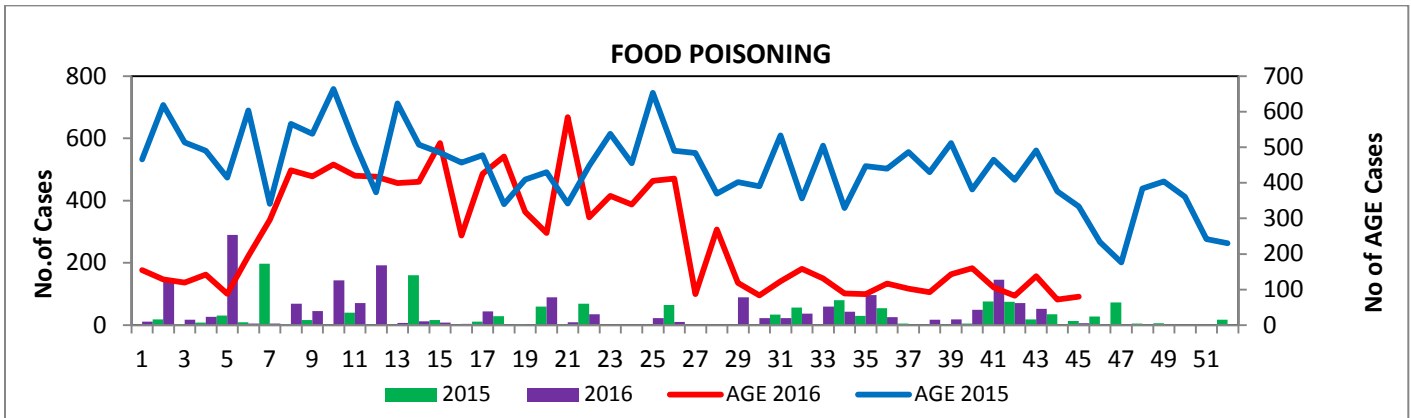
6.1 ILI SURVEILLANCE (KPL MAHMOODIAH)

ILI Surveillance	EW 45					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	45	51	129	90	315	3174	9951	17860	5666	36651
Total Outpatient Attendances	195	291	1588	866	2940	17903	50734	96146	47247	212030

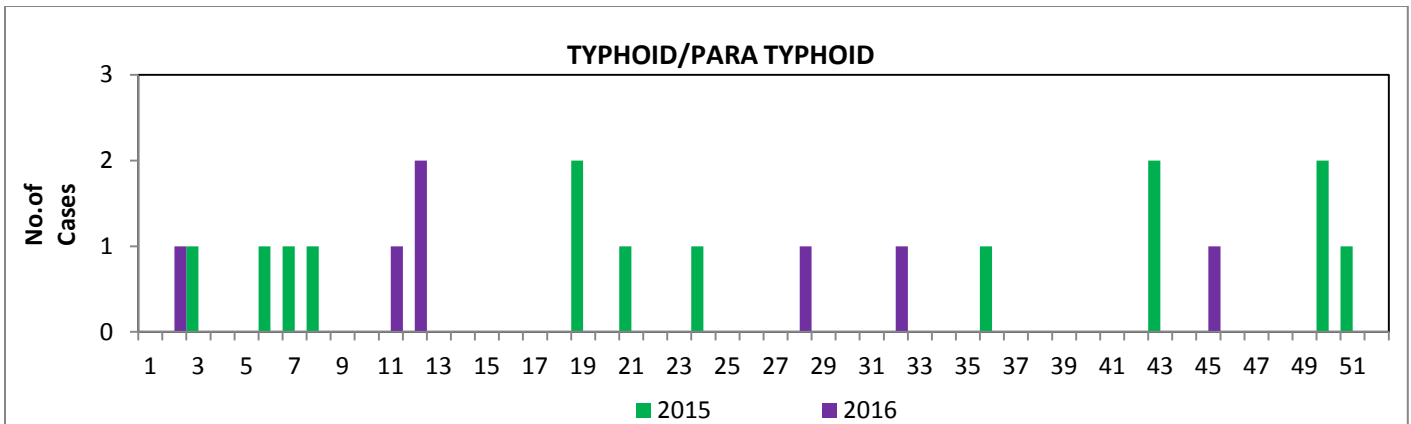
6.2 sARI SURVEILLANCE (HOSPITAL SULTANAH AMINAH, JOHOR BAHRU)

sARI Surveillance	EW 45			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	2	16	450	181	631

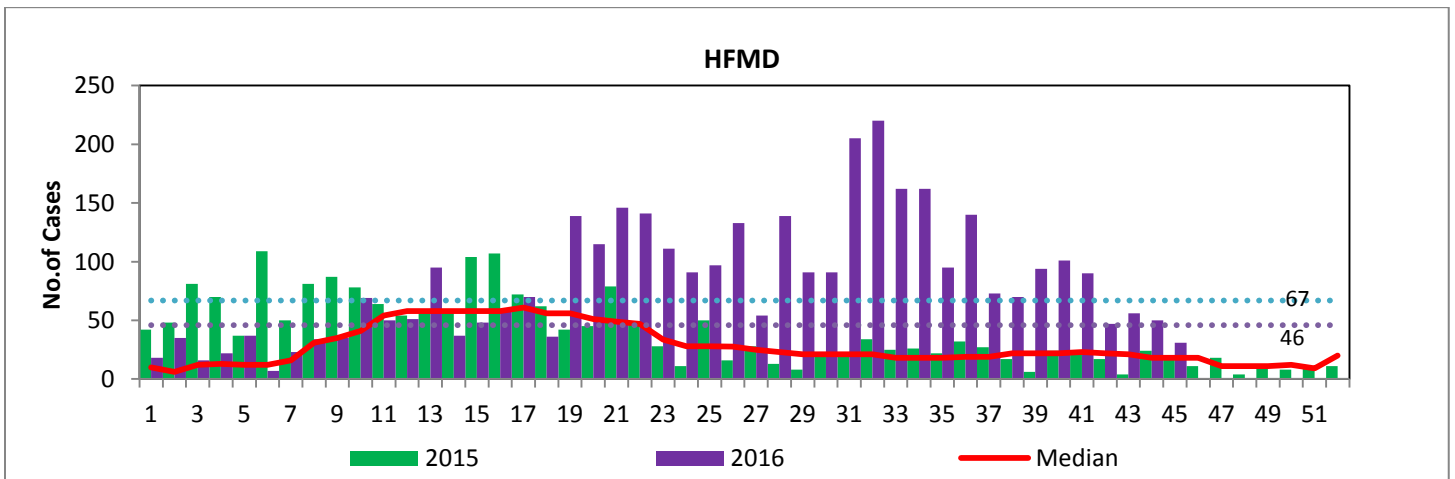
7. WEEKLY CASES OF FOOD POISONING, 2015—2016



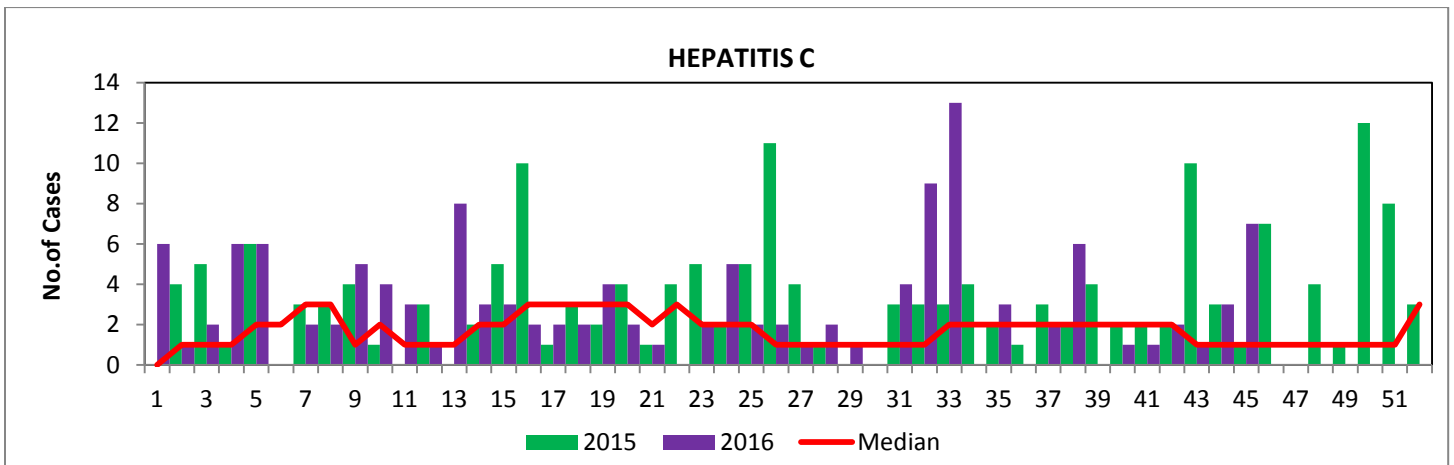
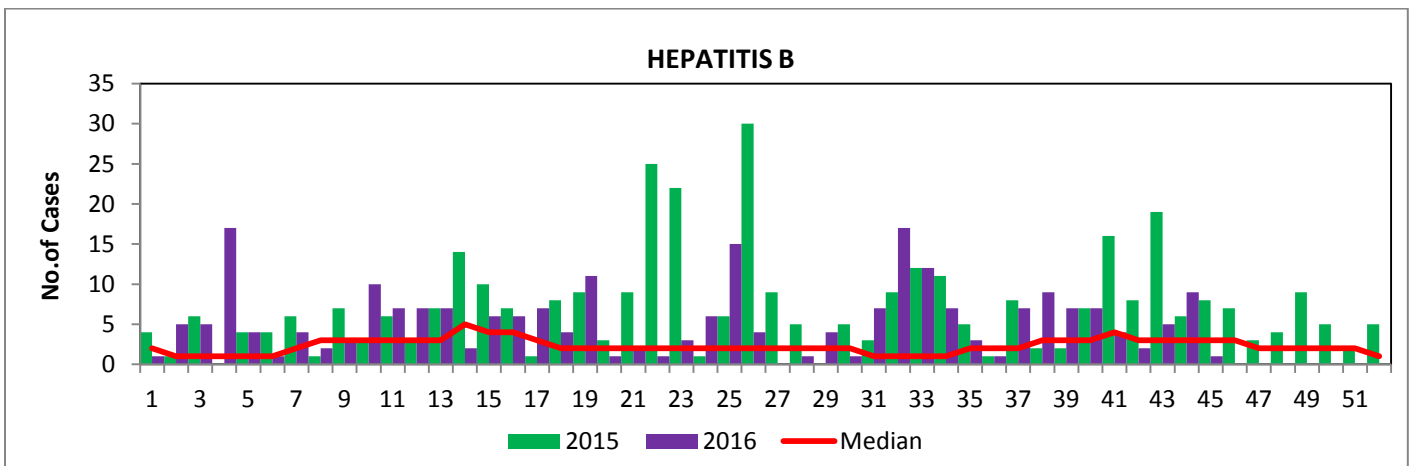
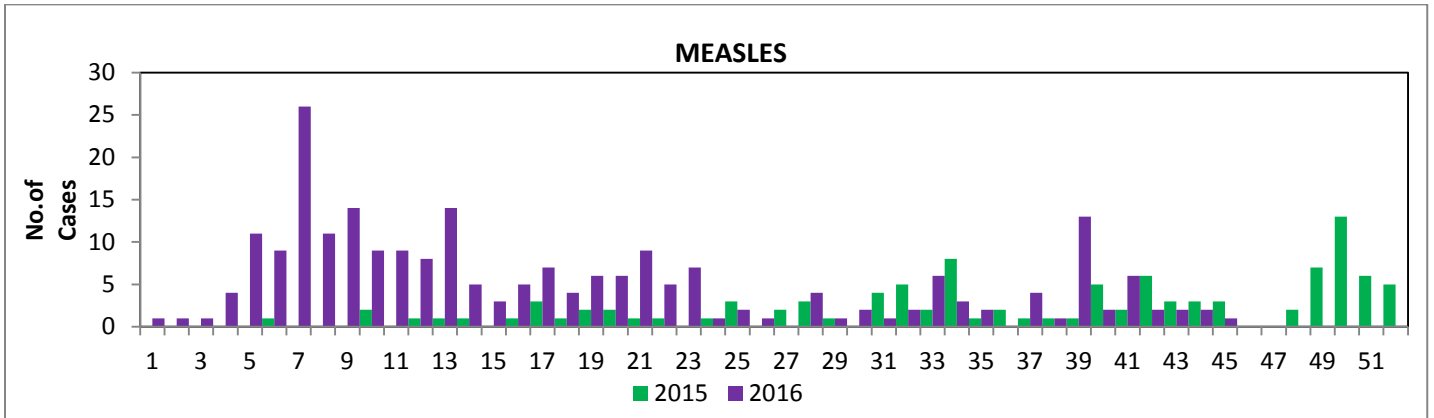
8. WEEKLY CASES OF OTHER FOOD WATERBORNE DISEASES, 2015—2016



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



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



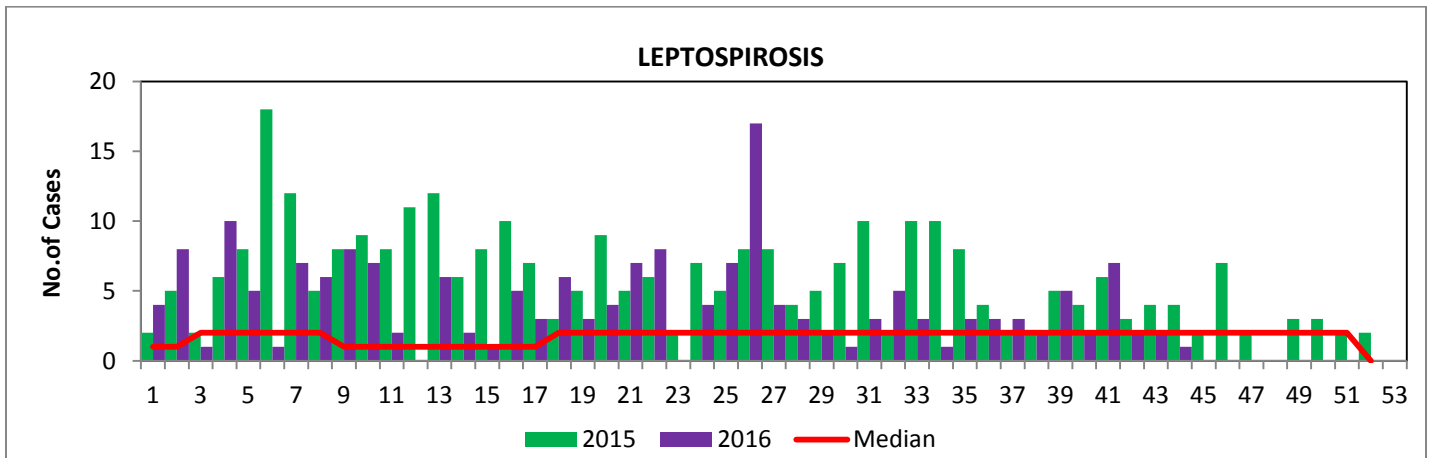
10.2 MEASLES ENHANCED SURVEILLANCE DATA (Cumulative)

Case classification	Frequency
Clinically confirmed	8
Epidemiologically confirmed	16
Lab confirmed	209
Discarded	182
Pending	55

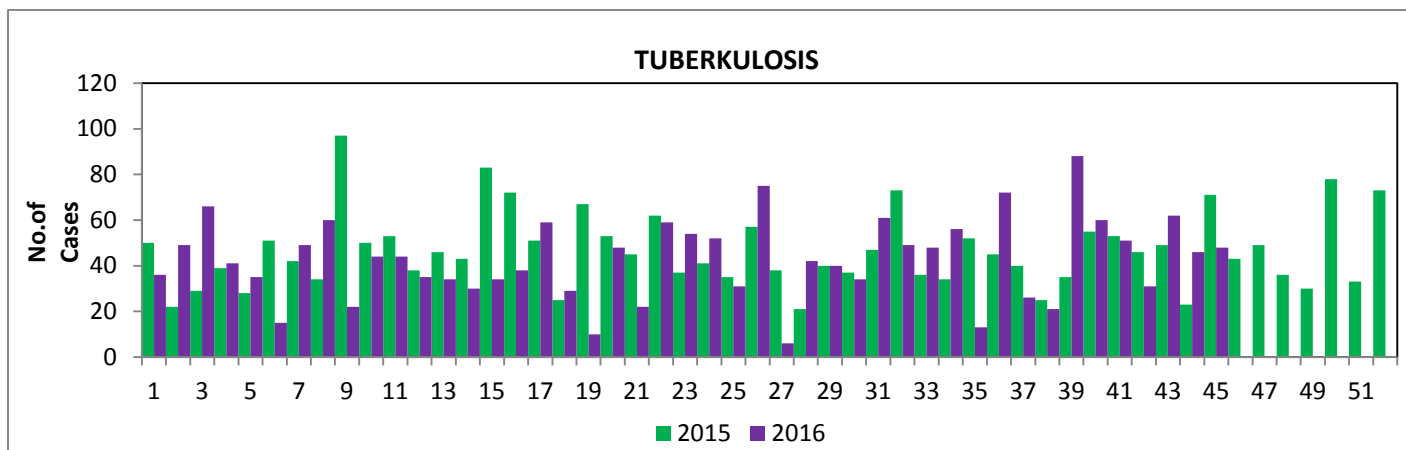
Total notifications	470
Incidence rate	130.8 per 1 million population

Indicator	Achievement	Target
Cases notified within 48 hours of rash onset	46%	100%
Cases investigated within 48 hours	96%	>80%
Sample taken for confirmation	93%	>80%
Cases classified	88%	100%
Confirmed case with source of infection identified	91%	>80%
Death	0	0

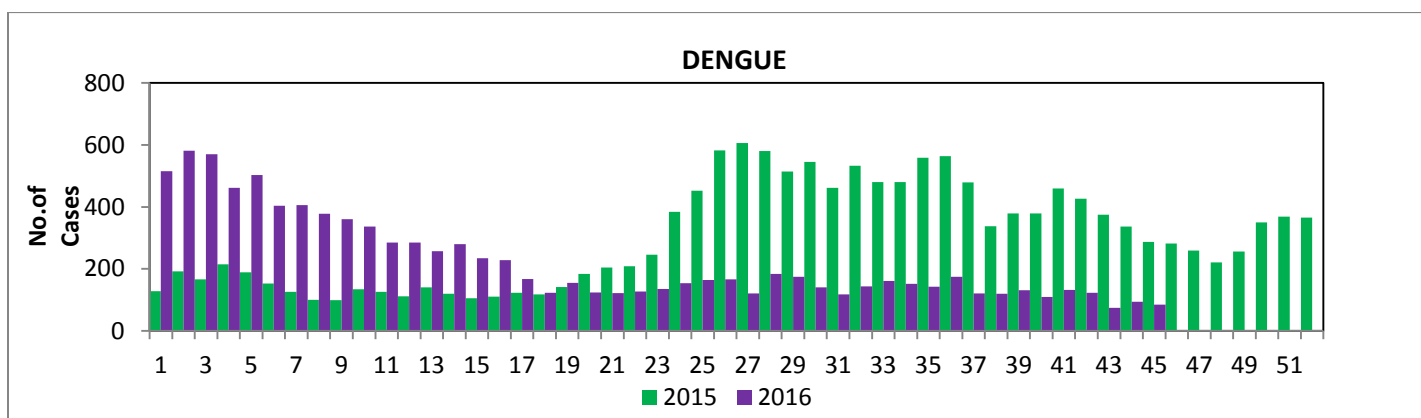
11. LEPTOSPIROSIS



12. TUBERCULOSIS



13. DENGUE

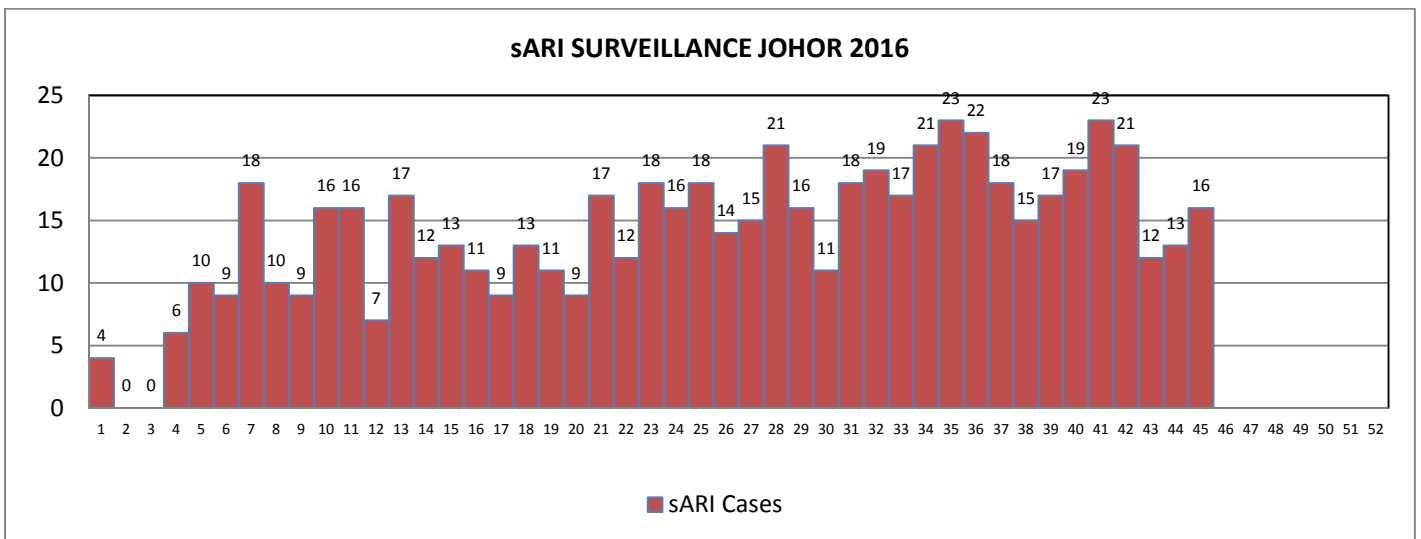
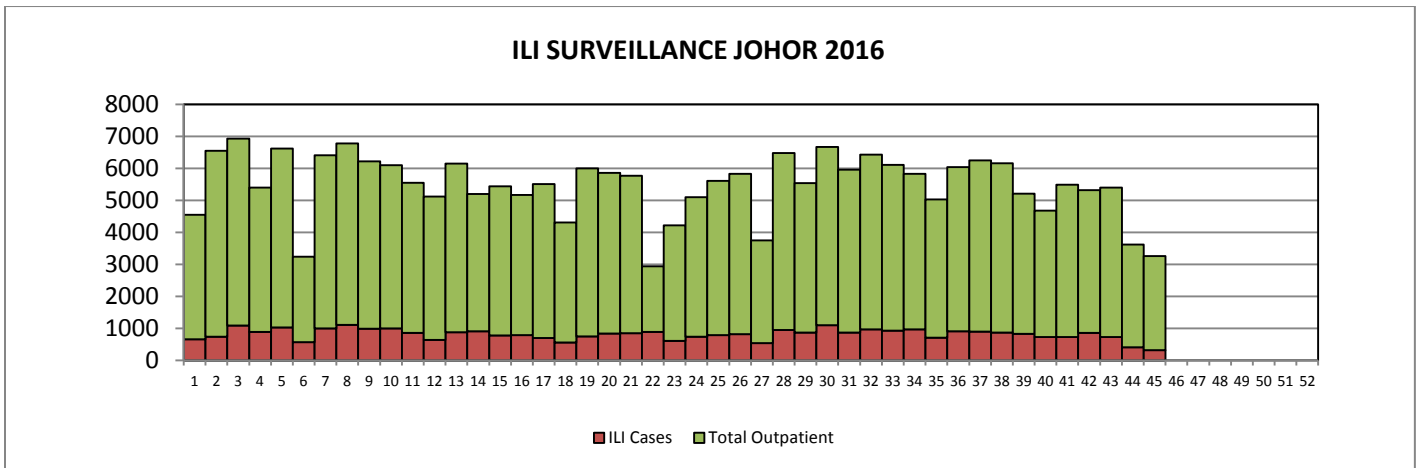
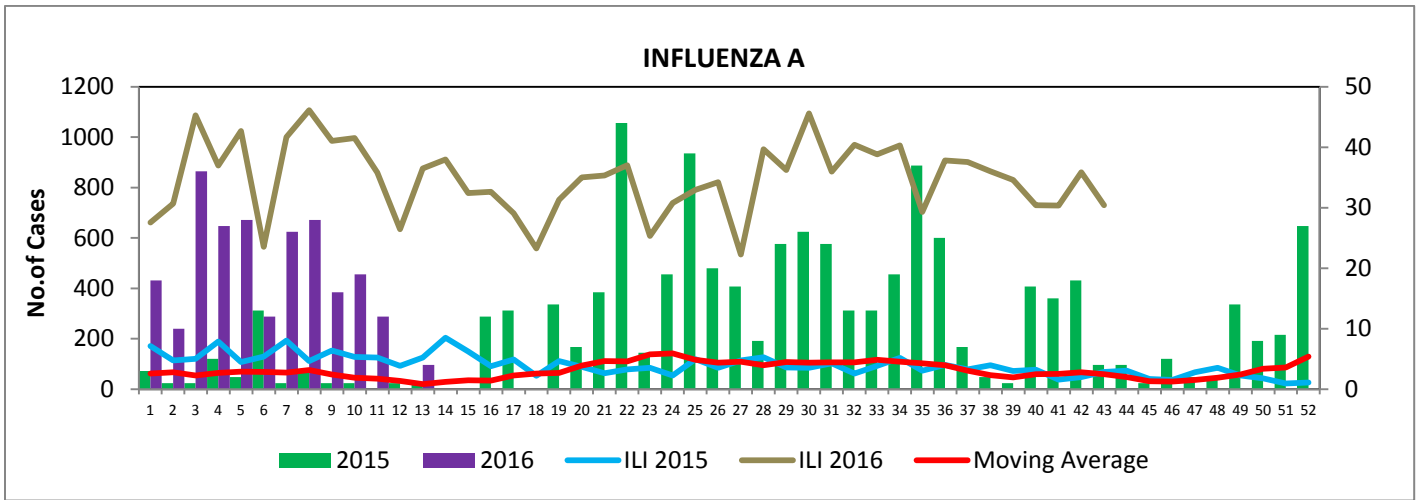


14. LABORATORY BASED SURVEILLANCE

14.1 Enteric Pathogen Identified During Food Poisoning / AGE Event 2016 – 2015, Johor State

Analysis	No. of sample received		No. of positive sample	
	EW 45 2016	Cumulative 2015	EW 45 2016	Cumulative 2015
1 <i>Salmonella typhi</i> / <i>Salmonella spp.</i>	0	0	0	0
2 <i>Yersinia enterocolitica</i>	0	0	0	0
3 <i>Vibrio cholerae</i> / <i>Vibro para</i>	0	0	0	0
4 <i>Plesiomonas shigelloides</i> / <i>spp</i>	0	0	0	0
5 <i>Enteropathogenic E.coli</i> (<i>EPEC</i> , <i>EHEC</i>)	0	0	0	0
6 <i>Aeromonas hydrophilia</i> / <i>spp</i>	0	0	0	0
7 <i>Shigella spp.</i>	0	0	0	0
8 <i>Bacillus cereus</i> (positive enterotoxin)	0	0	0	0
9 <i>Staphylococcus aureus</i> (positive enterotoxin)	0	0	0	0
10 <i>Campylobacter jejuni</i> / <i>coli</i> / <i>spp</i>	0	0	0	0

15. INFLUENZA SURVEILLANCE



16. FEVER & RASHES SURVEILLANCE

FEVER & RASHES SURVEILLANCE (BY DISTRICT)-EW 45

DISTRICT	Fever	Rash	Fever and rash	Total attendance
JOHOR BAHRU	78	1	0	577
KULAI	175	9	0	3279
MUAR	522	83	0	2722
TANGKAK	410	20	1	2435
BATU PAHAT	331	9	12	5716
KLUANG	0	0	0	0
SEGAMAT	6	0	0	7041
PONTIAN	414	34	0	5555
KOTA TINGGI	916	66	1	7274
MERSING	410	9	0	2353
TOTAL	3262	231	14	36952

FEVER & RASHES SURVEILLANCE (BY FACILITY)-EW 45

FACILITIES	Fever	Rash	Fever and rash	Total attendance
HEALTH CLINIC	2295	188	4	29531
GOVERNMENT HOSPITAL	563	22	0	4367
PRIVATE CLINIC	386	21	10	2863
PRIVATE HOSPITAL	18	0	0	191
TOTAL	3262	231	14	36952

