

OUTBREAKS / CLUSTERS / UNUSUAL EVENTS EW 31

No	District	Locality	Disease /Event	Number Of Cases
1	Kota Tinggi	Pusat Latihan Rekrut (Pularek) Tg Pengelih	Age	21
2	Johor Bahru	Sekolah Rendah Agama Bersepadu Jalan Kerambit, Taman Sri Tebrau	Keracunan makanan	30
3	Kluang	Taska Permata Kasih, G10-1-1 Kwarters Penjara Kluang	HFMD	4
4	Johor Bahru	No 107 Jalan Kempas 1/17 Taman Bukit Kempas	HFMD	2

Cholera outbreak in Kenya

Since the beginning of 2017, Kenya is experiencing an upsurge of cholera cases. The first cholera outbreak reported in 2017 was in Tana River County. The outbreak started on 10 October 2016 and was controlled by April 2017. A second wave of cholera outbreaks started in Garissa County on 2 April 2017 and was reported later in nine other counties including Nairobi, Murang'a, Vihiga, Mombasa, Turkana, Kericho, Nakuru, Kiambu, and Narok. The outbreak is being reported in the general population and in refugee camps. In Garissa County, the outbreak is affecting mainly Dadaab refugee camps and cases and deaths are being reported from Hagadera, Dagahaleh, and IFO2 camps. In Turkana county, the disease is also affecting Kakuma and Kalobeyei refugee camps.

Currently, the outbreak is active in two counties, namely Garissa and Nairobi. As of 17 July 2017, a total of 1216 suspected cases including 14 deaths (case fatality rate: 1.2%) have been reported since 1 January 2017. In the week ending 16 July 2017, a total of 38 cases with no deaths were reported.

A total of 124 cases tested positive for *Vibrio cholerae* in the reference laboratory. In the week ending 25 June 2017, 18 samples out of 25 tested positive for *Vibrio cholerae* Ogawa by culture at the National Public Health Laboratory in Nairobi.

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

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

DISEASE		EW 31/2017	EW 31/2016	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	258	118	118	8251	4969(14)
	DENGUE HAEMORRHAGIC FEVER	0	0	0	6	3
5.	DIPHTHERIA	0	0	0	0	0
6.	DYSENTERY (all type)	1	0	0	3	9
7.	EBOLA	0	0	0	0	0
8.	FOOD POISONING (episode)	0	2	1	44	29
	FOOD POISONING (case)	0	23	13	1394	848
9.	GONOCOCCAL INFECTION (all forms)	10	0	4	170	222
10.	HAND,FOOT&MOUTH DISEASE (HFMD)	48	205	22	2294	1695
11.	HIV INFECTION (all forms)	6	7	9	322	430
	HIV DEATH	2	1	0	45	41
12.	LEPROSY	3	1	0	4	9
13.	LEPTOSPIROSIS	10(1)	3	3	146	173(9)
14.	MALARIA	1	0	2	16	39
15.	MEASLES	3	1	0	193	184
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)	9	2	2	77	162
22.	TETANUS (Neonatorum / Adult)	0	0	0	1	1
23.	TUBERCULOSIS (all forms)	49	61	47	1196	1252
	TUBERCULOSIS DEATH	2	1	0	85	27
24.	TYPHOID & PARATYPHOID FEVER	0	0	0	5	5
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	2
	b) Hepatitis B	5	7	7	154	186(1)
	c) Hepatitis C	4	4	2	84	105(2)
	d) Other Hepatitis	0	0	0	2	0
28.	PERTUSSIS	0	0	0	10	4(1)
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	10	5
2	ACUTE GASTROENTERITIS (AGE)	103	141	511	10772	5621
3	FILARIASIS	0	0	0	6	23
4	INFLUENZA-LIKE ILLNESS (ILI)	688	863	150	25805	22394
5	SEVERE ACUTE RESPIRATORY INFECTION (sARI)	19	18	0	375	784
6	MELIOIDOSIS	0	0	0	14	6(2)
7	BRUCELLOSIS	0	0	0	7	1
8	CHIKUNGUNYA	0	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	2155	3178	7558	8251	4969(14)
	DENGUE HAEMORRHAGIC FEVER	41	24	7	6	3
5.	DIPHTHERIA	0	0	0	0	0
6.	DYSENTERY (all types)	0	1	7	3	9
7.	EBOLA	0	0	0	0	0
8.	FOOD POISONING (episode)	24	31	26	44	29
	FOOD POISONING (case)	688	1156	775	1394	848
9.	GONOCOCCAL INFECTION (all forms)	88	58	171	170	222
10.	HAND, FOOT & MOUTH DISEASE (HFMD)	1210	1186	1672	2294	1695
11.	HIV INFECTION (all forms)	359	372	415	322	430
	HIV DEATH	0	0	0	45	41
12.	LEPROSY	11	4	6	4	9
13.	LEPTOSPIROSIS	34	121	216	146	173(9)
14.	MALARIA	42	19	23	16	39
15.	MEASLES	10	7	23	193	184
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)	30	40	70	77	162
22.	TETANUS (Neonatorum / Adult)	0	1	2	1	1
23.	TUBERCULOSIS (all forms)	1152	1222	1433	1196	1252
	TUBERCULOSIS DEATH	0	0	0	85	27
24.	TYPHOID & PARATYPHOID FEVER	12	7	8	5	5
25.	TYPHUS & OTHER RECKETTSIOSES	0	0	0	0	0
26.	VIRAL ENCEPHALITIS	0	0	0	1	1
27.	VIRAL HEPATITIS					
	a) Hepatitis A	2	4	8	3	2
	b) Hepatitis B	94	110	241	154	186(1)
	c) Hepatitis C	119	86	99	84	105(2)
	d) Other Hepatitis	0	0	1	2	0
28.	PERTUSSIS	0	2	7	10	4(1)
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	10	1	10	5
2	ACUTE GASTROENTERITIS (AGE)	21903	17976	1747	10772	5621
3	FILARIASIS	0	10	14	6	23
4	INFLUENZA-LIKE ILLNESS (ILI)	4580	4319	3546	25805	22394
5	SEVERE ACUTE RESPIRATORY INFECTION (sARI)	0	298	18	375	784
6	MELIOIDOSIS	0	0	0	14	6(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	202	32	1	4	3	7	0	1	8	0	258
	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)	1	0	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	0	0	2
	FOOD POISONING (case)	0	0	0	0	0	0	0	0	0	0	0
9.	GONOCOCCAL INFECTION (all forms)	6	2	0	0	2	0	0	0	0	0	10
10.	HAND, FOOT & MOUTH DISEASE (HFMD)	22	1	3	2	1	16	0	1	2	0	48
11.	HIV INFECTION (all forms)	0	1	0	1	2	0	0	0	0	2	6
	HIV DEATH	0	0	0	0	0	0	0	0	0	2	2
12.	LEPROSY	3	0	0	0	0	0	0	0	0	0	3
13.	LEPTOSPIROSIS	3	2	1	0	0	0	0	0	4(1)	0	10(1)
14.	MALARIA	0	0	0	0	0	1	0	0	0	0	1
15.	MEASLES	0	0	0	0	0	3	0	0	0	0	3
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)	7	0	0	0	0	1	0	0	1	0	9
22.	TETANUS (Neonatorum / Adult)	0	0	0	0	0	0	0	0	0	0	0
23.	TUBERCULOSIS (all forms)	32	0	2	0	0	4	3	0	5	3	49
	TUBERCULOSIS DEATH	1	0	1	0	0	0	0	0	0	0	2
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	3	0	0	0	2	0	0	0	0	0	5
	c) Hepatitis C	2	1	0	0	0	0	0	0	1	0	4
	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)	5	0	27	0	0	0	71	0	0	0	103
3	FILARIASIS	0	0	0	0	0	0	0	0	0	0	0
4	INFLUENZA-LIKE ILLNESS (ILI)	688	0	0	0	0	0	0	0	0	0	688
5	SEVERE ACUTE RESPIRATORY INFECTION (sARI)	19	0	0	0	0	0	0	0	0	0	19
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	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
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	3942(10)	255	63	46	147	124(2)	117(2)	102	135	38	4969(14)
	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)	8	1	0	0	0	0	0	0	0	0	9
7.	EBOLA	0	0	0	0	0	0	0	0	0	0	0
8.	FOOD POISONING (episode)	7	9	3	2	1	2	1	0	2	1	28
	FOOD POISONING (case)	188	95	249	43	11	49	131	0	44	38	848
9.	GONOCOCCAL INFECTION (all forms)	99	29	3	4	46	5	3	11	17	5	222
10.	HAND, FOOT & MOUTH DISEASE (HFMD)	867	93	97	38	85	305	42	39	93	36	1695
11.	HIV INFECTION (all forms)	277	33	16	4	34	25	10	9	14	8	430
	HIV DEATH	13	1	4	1	9	5	4	0	2	2	41
12.	LEPROSY	6	1	1	0	0	1	0	0	0	0	9
13.	LEPTOSPIROSIS	46(4)	8	22	6	11	16	32(1)	10(2)	16(2)	6	173(9)
14.	MALARIA	6	0	1	0	2	2	3	0	23	2	39
15.	MEASLES	127	8	3	1	3	9	0	2	1	0	154
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)	104	11	3	1	12	17	1	4	6	3	162
22.	TETANUS (Neonatorum / Adult)	0	0	0	0	0	0	0	0	1	0	1
23.	TUBERCULOSIS (all forms)	591	75	77	33	135	81	65	63	93	39	1252
	TUBERCULOSIS DEATH	11	2	1	3	1	2	0	1	6	0	27
24.	TYPHOID & PARATYPHOID FEVER	2	0	1	0	0	0	1	1	0	0	5
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	1	0	0	1	0	0	0	0	0	0	2
	b) Hepatitis B	106	3	10(1)	6	28	12	3	6	8	4	186(1)
	c) Hepatitis C	29	6	5	4	17	27	2	6(1)	5(1)	4	105(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	1(1)	4(1)
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)	540	12	518	0	109 8	132	1440	54	1365(1)	462	5621(1)
3	FILARIASIS	0	2	0	1	4	0	0	2	12	2	23
4	INFLUENZA-LIKE ILLNESS (ILI)	22394	0	0	0	0	0	0	0	0	0	22394
5	SEVERE ACUTE RESPIRATORY INFECTION (sARI)	784	0	0	0	0	0	0	0	0	0	784
6	MELIOIDOSIS	2(1)	0	0	0	1	2	1(1)	0	0	0	6(2)
7	BRUCELLOSIS	0	0	0	0	0	0	1	0	0	0	1
8	CHIKUNGUNYA	6	0	2	0	14	2	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	1	1	5
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	10	11	3	2	1	3	1	0	3	1	36
5	HAND, FOOT & MOUTH DISEASE (HFMD)	9	3	2	0	0	7	0	0	1	1	23
6	HEPATITIS A	0	0	0	0	0	0	0	0	0	0	0
7	INFLUENZA/(ILI)	5	0	1	1	0	0	0	0	0	0	7
8	LEPTOSPIROSIS	0	0	0	0	0	1	0	0	0	0	1
9	MEASLES	11	0	1	0	1	2	0	0	1	0	16
10	MUMPS	0	0	1	0	0	0	0	0	0	0	1
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

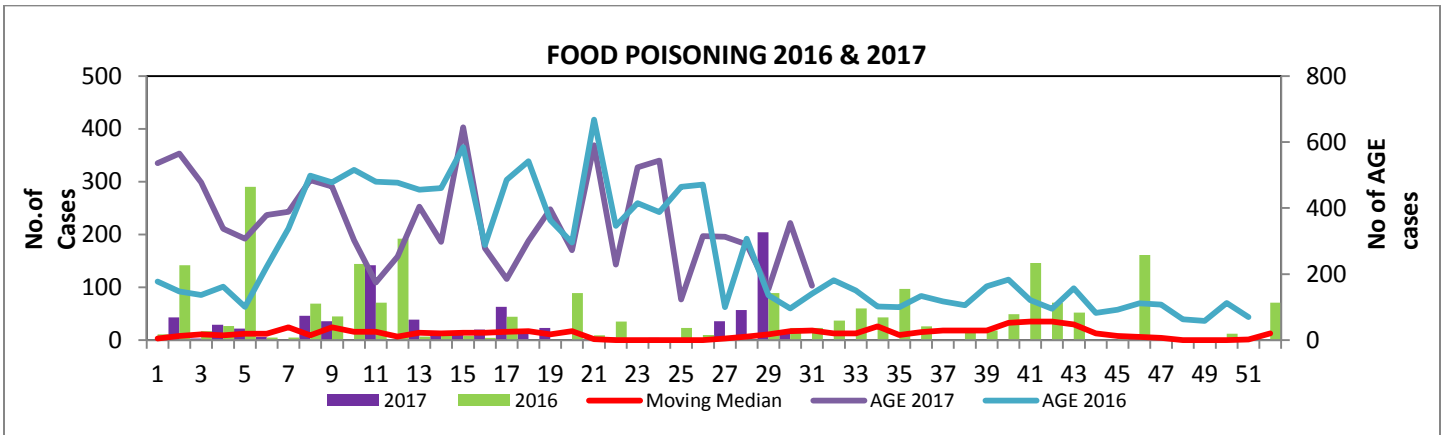
6.1 ILI SURVEILLANCE (KPL MAHMOODIAH)

	EW 31					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
ILI Surveillance										
Number of ILI Cases	114	130	293	151	688	2166	3239	10348	6641	22394
Total Outpatient Attendances	177	236	2680	1810	4903	4394	7530	70007	47647	129578

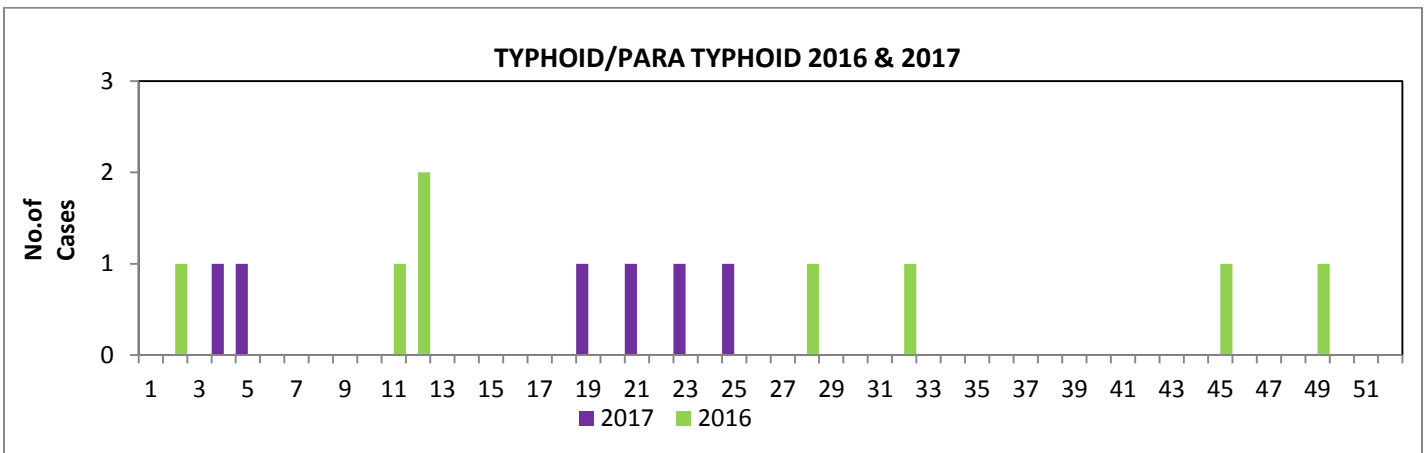
6.2 sARI SURVEILLANCE (HOSPITAL SULTANAH AMINAH, JOHOR BAHRU)

	EW 31			CUMULATIVE		
	Paediatric Patients (< 13 years)	Adults Patients (≥ 13 years)	Total	Paediatric Patients (< 13 years)	Adults Patients (≥ 13 years)	Total
sARI Surveillance						
Number of SARI Cases (New Admission)	17	2	19	662	122	784

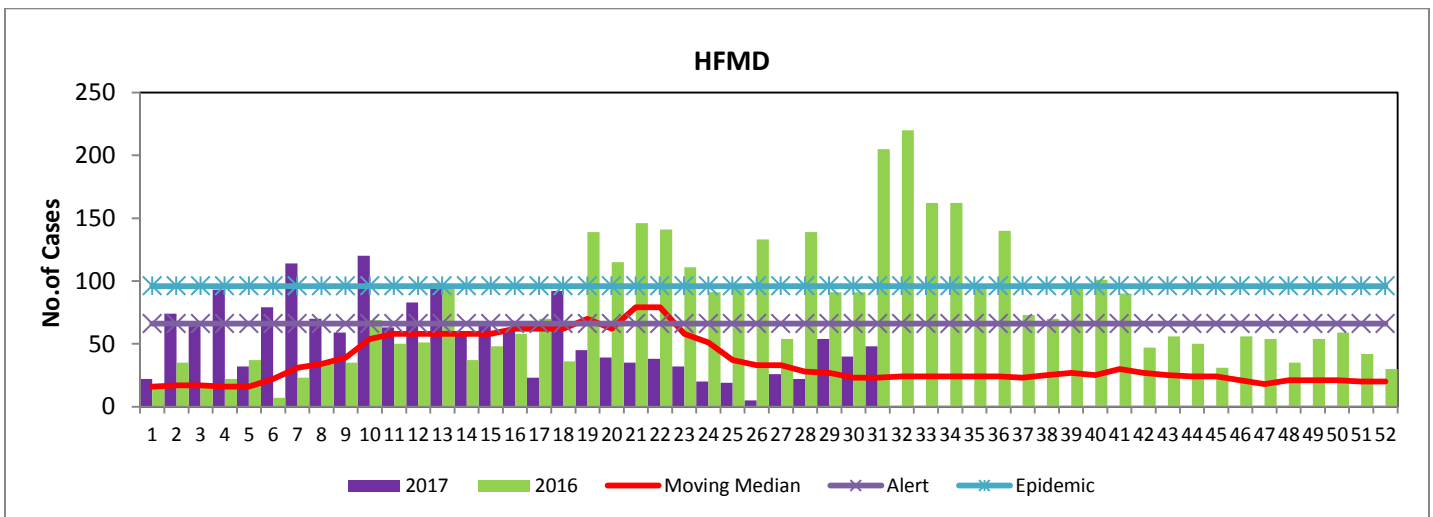
7. WEEKLY CASES OF FOOD POISONING, 2016—2017



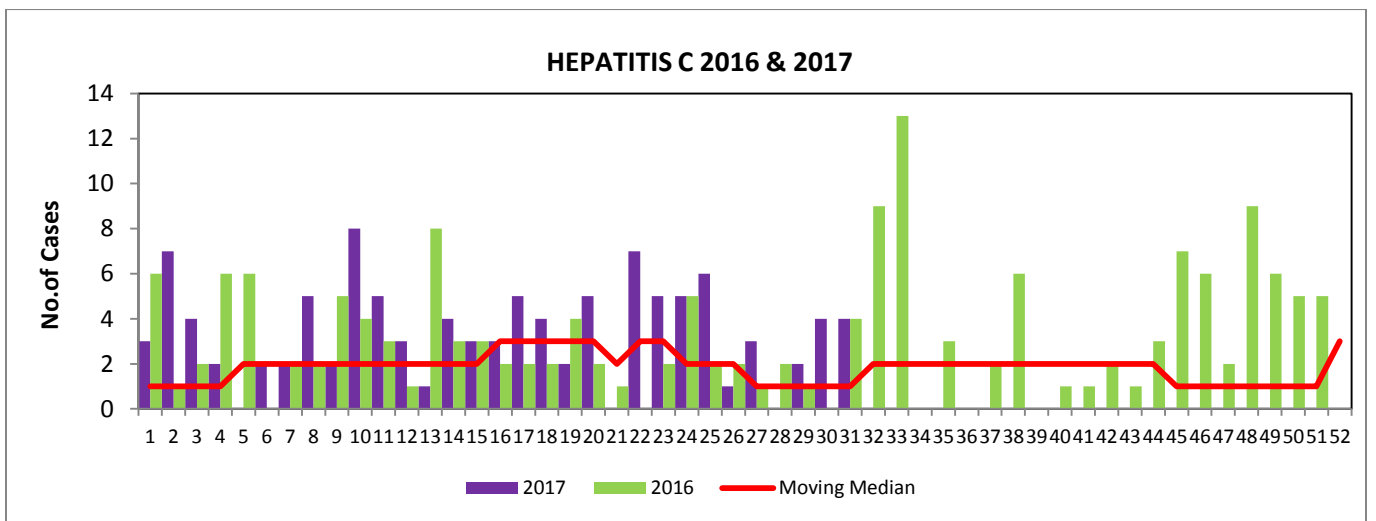
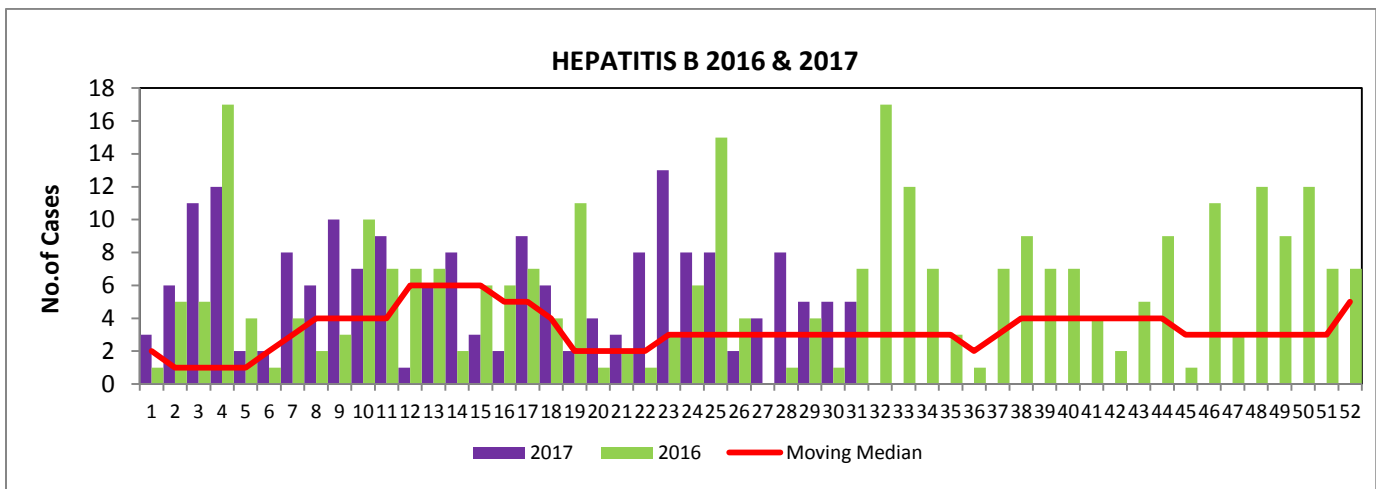
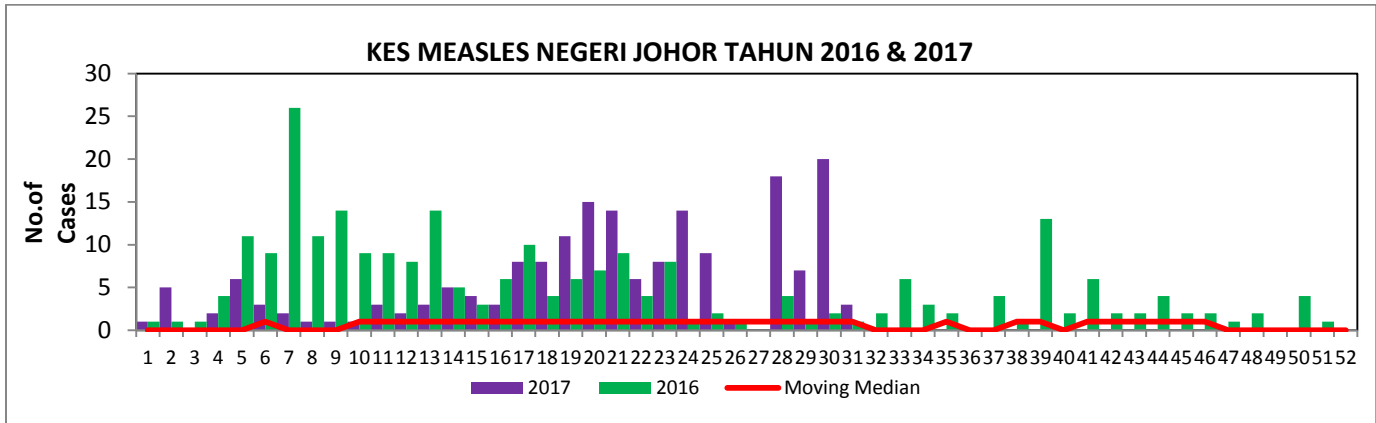
8. WEEKLY CASES OF OTHER FOOD WATERBORNE DISEASES, 2016—2017



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



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



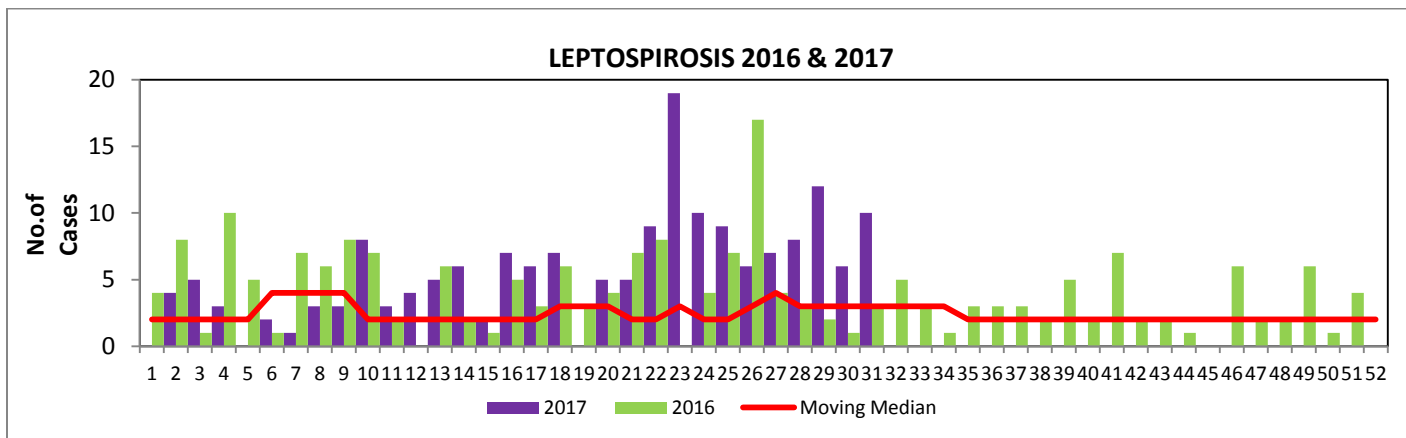
10.2 MEASLES ENHANCED SURVEILLANCE DATA (Cumulative)

Case classification	Frequency
Clinically confirmed	7
Epidemiologically confirmed	9
Lab confirmed	184
Discarded	203
Pending	30

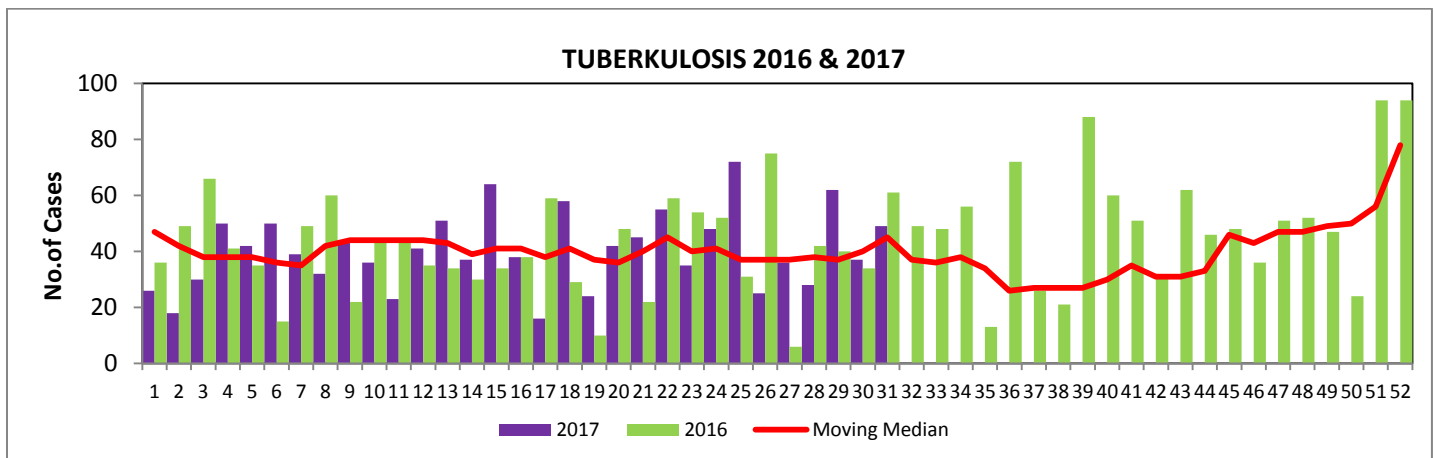
Total notifications	433
Incidence rate	119.3 per 1 million population

Indicator	Achievement	Target
Cases notified within 48 hours of rash onset	56%	100%
Cases investigated within 48 hours	98%	>80%
Sample taken for confirmation	91%	>80%
Cases classified	86%	100%
Confirmed case with source of infection identified	68%	>80%
Death	0	0

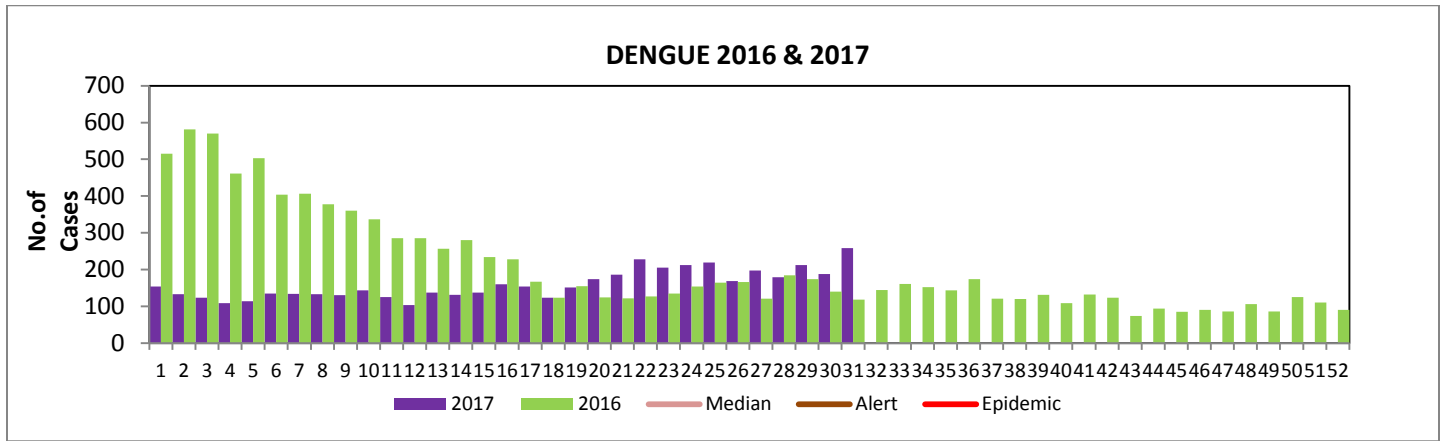
11. LEPTOSPIROSIS



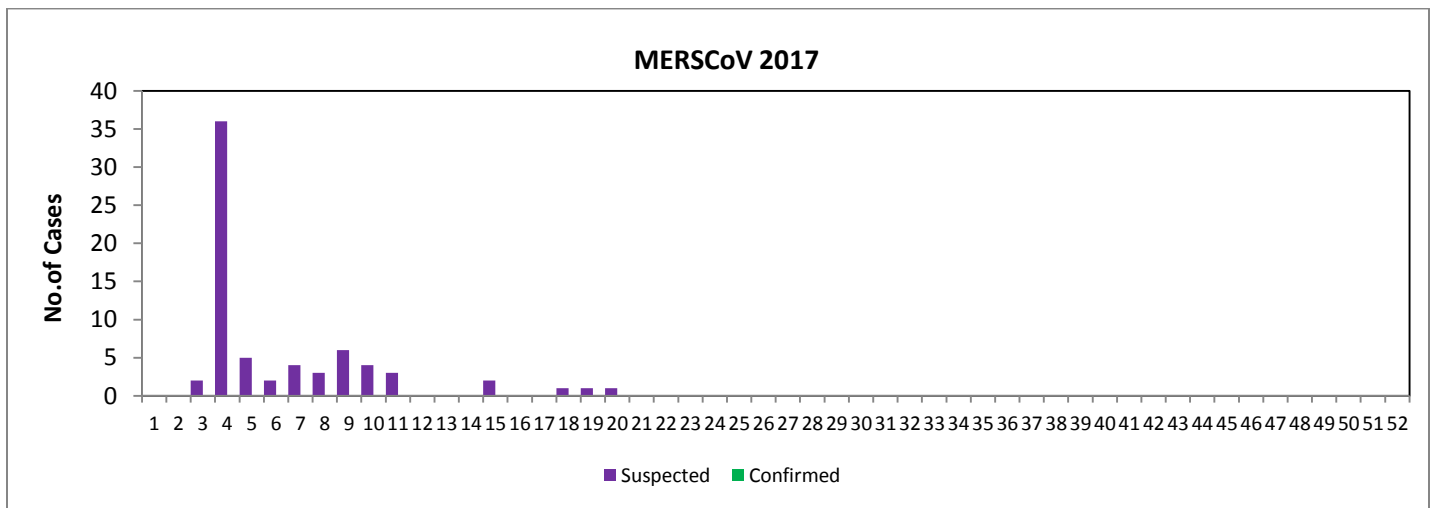
12. TUBERCULOSIS



13. DENGUE



14. MERSCoV



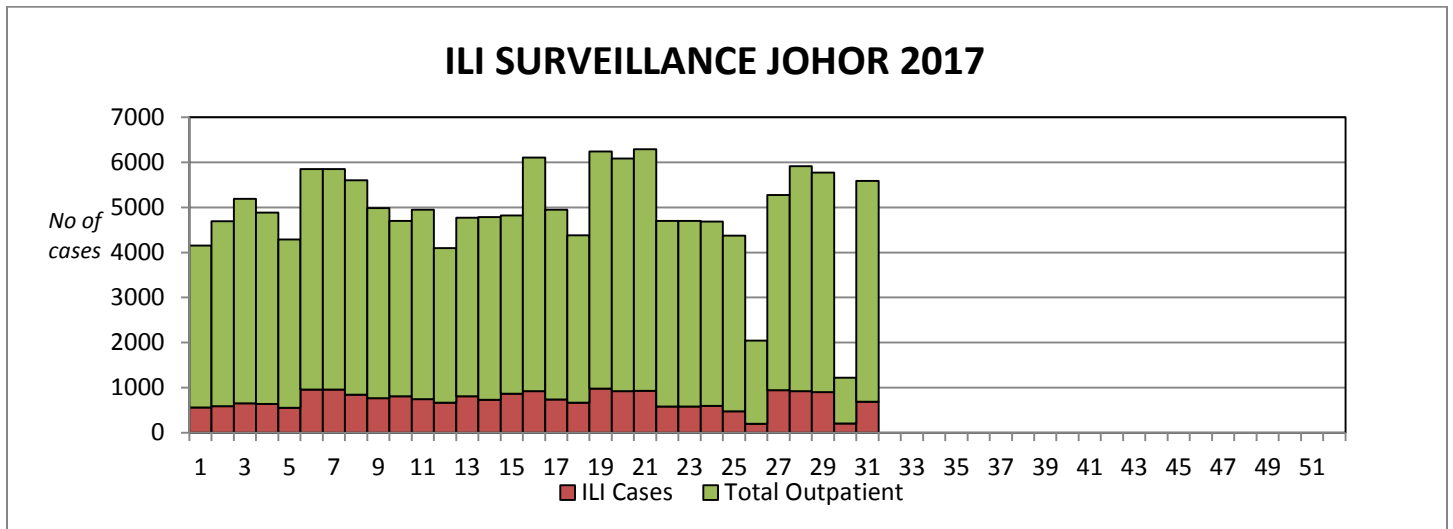
15. LABORATORY BASED SURVEILLANCE

15.1 Enteric Pathogen Identified During Food Poisoning / AGE Event 2017 – 2016, Johor State

Analysis	No. of sample received		No. of positive sample	
	EW 30 2017	Cumulative 2016	EW 30 2017	Cumulative 2016
1 <i>Salmonella typhi/Salmonella spp.</i>	9	32	447	760
2 <i>Yersinia enterocolitica</i>	9	31	291	504
3 <i>Vibrio cholerae/Vibro para</i>	9	31	294	524
4 <i>Plesiomonas shigelloides/spp</i>	9	31	291	504
5 <i>Enteropathogenic E.coli (EPEC,EHEC)</i>	9	31	291	504
6 <i>Aeromonas hydrophilia/spp</i>	9	31	291	504
7 <i>Shigella spp.</i>	9	31	291	504
8 <i>Bacillus cereus (positive enterotoxin)</i>	9	31	291	504
9 <i>Staphylococcus aureus (positive enterotoxin)</i>	9	31	291	504
10 <i>Campylobacter jejuni/coli/spp</i>	9	31	291	504

16. INFLUENZA SURVEILLANCE

16.1 Influenza like Illness



16.2 Severe Acute Respiratory Infection

