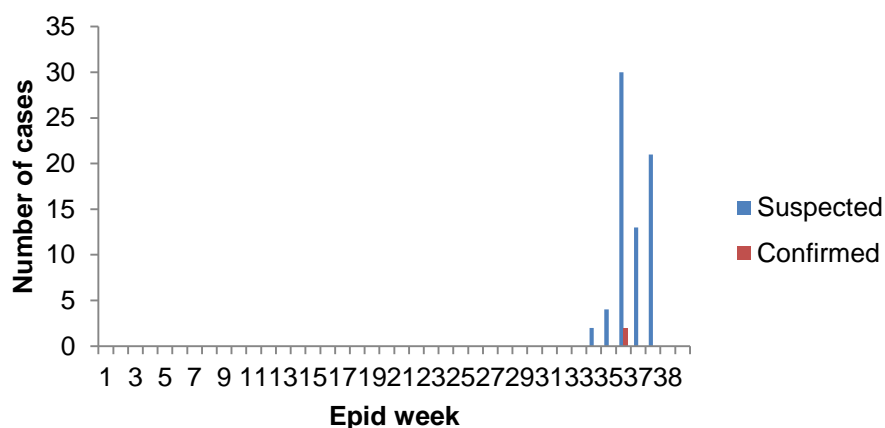


## OUTBREAKS / CLUSTERS / UNUSUAL EVENTS EW 38

No	District	Locality	Disease /event	Number of cases
1	Johor Bahru	Bandar Baru Kangkar Pulai_Jln Pulai Bestari, JB	HFMD	5
2	Johor Bahru	Tmn.Ungku Tun Aminah_Jln Hulubalang 7, JB	HFMD	2
3	Kluang	Gunung Lambak Waterpark, KG	AGE	14

**Graph 1: Number of suspected and confirmed Zika case in Johor State until epid week 38 , 2016**



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

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

**21 September 2016 :** Between 23 August and 11 September 2016 the National IHR Focal Point of Saudi Arabia reported five (5) additional cases of Middle East Respiratory Syndrome (MERS) from Arar, Riyadh, Hofouf, Taif and Hrialmaya. The patients aged between 40 to 69 years old and three of them have comorbidities. Globally, since September 2012, WHO has been notified of 1,806 laboratory-confirmed cases of infection with MERS-CoV, including at least 643 related deaths-WHO

Table 1: Number of Zika notification in Singapore from Epid Week 35 to 38

Epid Week	Number of notification
35	215
36	103
37	62
38	11

Source: [www.nea.gov.sg](http://www.nea.gov.sg)

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

DISEASE		EW 38 2016	EW 38 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	119	338	91	10987	9211(15)
	DENGUE HAEMORRHAGIC FEVER	0	0	1	11	6
4.	DIPHTHERIA	0	0	0	0	0
5.	DYSENTERY (all types)	0	0	0	9	3
6.	EBOLA	0	0	0	0	0
7.	FOOD POISONING (episode)	0	0	1	35	66
	FOOD POISONING (case)	17	0	23	1001	1674(2)
8.	GONOCOCCAL INFECTION (all forms)	5	0	5	204	230
9.	HAND, FOOT & MOUTH DISEASE (HFMD)	70	17	22	1855	3224
10.	HIV INFECTION (all forms)	11	1	5	483	432
	HIV DEATH	4	0	0	0	58
11.	LEPROSY	0	0	0	6	6
12.	LEPTOSPIROSIS	2	1	2	256	165(14)
13.	MALARIA	0	2	1	29	19
14.	MEASLES	0	0	0	40	201
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)	2	1	1	84	111(1)
20.	TETANUS (Neonatorum / Adult)	0	0	0	2	1
21.	TUBERCULOSIS (all forms)	21	25	27	1738	1539
	TUBERCULOSIS DEATH	1	0	0	0	31
22.	TYPHOID & PARATYPHOID FEVER	0	0	0	9	6(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	2
	b) Hepatitis B	9	0	3	283	210(5)
	c) Hepatitis C	6	0	2	115	117(3)
	d) Other Hepatitis	0	0	0	1	2
26.	PERTUSSIS	0	0	0	12	10
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)	106	36	817	2038	11633
3	FILARIASIS	0	0	0	15	5
4	INFLUENZA-LIKE ILLNESS (ILI)	864	95	140	4183	32051
5	SEVERE ACUTE RESPIRATORY INFECTION (sARI)	15	0	0	20	510
6	MELIOIDOSIS	0	0	0	0	14
7	BRUCELLOSIS	0	0	0	0	7
8	ZIKA	0	0	0	0	2

## 2. COMMUNICABLE DISEASES 2012 – 2016, JOHORE STATE

DISEASE		2012	2013	2014	2015	2016
<b>NOTIFIABLE DISEASES</b>						
1.	CHANCROID	0	0	0	0	0
2.	CHOLERA	0	0	0	0	0
3.	DENGUE FEVER	1169	2805	4114	10987	9211(15)
	DENGUE HAEMORRHAGIC FEVER	42	49	27	11	6
4.	DIPHTHERIA	0	0	0	0	0
5.	DYSENTERY (all types)	1	0	1	9	3
6.	EBOLA	0	0	0	0	0
7.	FOOD POISONING (episode)	0	33	36	35	66
	FOOD POISONING (case)	1093	986	1643	1001	1674(2)
8.	GONOCOCCAL INFECTION (all forms)	174	104	88	204	230
9.	HAND, FOOT & MOUTH DISEASE (HFMD)	2129	1330	1362	1855	3224
10.	HIV INFECTION (all forms)	0	431	464	483	432
	HIV DEATH	0	0	0	0	58
11.	LEPROSY	6	12	7	6	6
12.	LEPTOSPIROSIS	60	39	168	256	165(14)
13.	MALARIA	66	47	31	29	19
14.	MEASLES	0	10	9	40	201
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)	86	32	48	84	111(1)
20.	TETANUS (Neonatorum / Adult)	1	0	1	2	1
21.	TUBERCULOSIS (all forms)	1483	1432	1435	1738	1539
	TUBERCULOSIS DEATH	0	0	0	0	31
22.	TYPHOID & PARATYPHOID FEVER	5	14	9	9	6(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	2
	b) Hepatitis B	179	116	135	283	210(5)
	c) Hepatitis C	92	135	97	115	117(3)
	d) Other Hepatitis	0	0	0	1	2
26.	PERTUSSIS	4	1	4	12	10
27.	YELLOW FEVER	0	0	0	0	0
<b>OTHER DISEASES UNDER SURVEILLANCE</b>						
1	ACUTE FLACCID PARALYSIS (AFP)	0	0	10	1	10
2	ACUTE GASTROENTERITIS (AGE)	27420	27054	22594	2038	11633
3	FILARIASIS	0	0	11	15	5
4	INFLUENZA-LIKE ILLNESS (ILI)	6631	5643	5457	4183	32051
5	SEVERE ACUTE RESPIRATORY INFECTION (sARI)	0	0	368	20	510
6	MELIOIDOSIS	0	0	0	0	14
7	BRUCELLOSIS	0	0	0	0	7
8	ZIKA	0	0	0	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
<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	87	6	1	3	3	4	5	2	3	5	119
	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	0	0	0	0	17	0	17
8.	GONOCOCCAL INFECTION (all forms)	1	0	0	0	3	1	0	0	0	0	5
9.	HAND, FOOT & MOUTH DISEASE (HFMD)	35	0	6	6	3	13	1	0	5	1	70
10.	HIV INFECTION (all forms)	3	1	5	0	1	0	1	0	0	0	11
	HIV DEATH	0	0	3	0	0	0	1	0	0	0	4
11.	LEPROSY	0	0	0	0	0	0	0	0	0	0	0
12.	LEPTOSPIROSIS	0	1	0	0	0	0	1	0	0	0	2
13.	MALARIA	0	0	0	0	0	0	0	0	0	0	0
14.	MEASLES	0	0	0	0	0	0	0	0	0	0	0
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)	0	0	0	0	2	0	0	0	0	0	2
20.	TETANUS (Neonatorum / Adult)	0	0	0	0	0	0	0	0	0	0	0
21.	TUBERCULOSIS (all forms)	6	0	1	0	5	7	0	0	2	0	21
	TUBERCULOSIS DEATH	0	0	0	0	0	1	0	0	0	0	1
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	3	0	1	0	4	0	0	0	1	0	9
	c) Hepatitis C	0	0	1	0	4	0	1	0	0	0	6
	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
<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)	0	0	0	0	0	0	74	0	0	32	106
3	FILARIASIS	0	0	0	0	0	0	0	0	0	0	0
4	INFLUENZA-LIKE ILLNESS (ILI)	864										864
5	SEVERE ACUTE RESPIRATORY INFECTION (sARI)	15										15
6	MELIOIDOSIS	0	0	0	0	0	0	0	0	0	0	0
7	BRUCELOSIS	0	0	0	0	0	0	0	0	0	0	0
8	ZIKA	2	0	0	0	0	0	0	0	0	0	2

#### 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	7156 (14)	440	130	63	229	265	268 (1)	127	473	60	9211
	DENGUE HAEMORRHAGIC FEVER	5	0	0	0	0	0	0	0	1	0	6
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)	24	14	3	2	5	2	1	3	11	1	66
	FOOD POISONING (case)	379	152	220	28	376	29	247	35	186	22	1674
8.	GONOCOCCAL INFECTION (all forms)	110	22	2	1	64	3	1	6	14	7	230
9.	HAND, FOOT & MOUTH DISEASE (HFMD)	1465	277	229	213	198	389	64	122	186	81	3224
10.	HIV INFECTION (all forms)	255	19	35	6	29	24	19	22	14	9	432
	HIV DEATH	14	1	9	3	6	3	8	7	2	5	58
11.	LEPROSY	4	0	0	0	1	0	0	0	0	1	6
12.	LEPTOSPIROSIS	67(11)	18	19(1)	5	11	3(1)	17	9	10(1)	6	165(14)
13.	MALARIA	3	0	2	1	4	2	1	1	2	3	19
14.	MEASLES	132	13	13	0	11	22	3	3	4	0	201
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)	69(1)	18	7	0	7	5	2	1	0	2	111(1)
20.	TETANUS (Neonatorum / Adult)	1	0	0	0	0	0	0	0	0	0	1
21.	TUBERCULOSIS (all forms)	729	105	106	55	139	133	68	63	106	35	1539
	TUBERCULOSIS DEATH	12	4	2	4	0	3	1	1	4	0	31
22.	TYPHOID & PARATYPHOID FEVER	2	0	1	2	0	0	0	0	0	1(1)	6(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	1	0	1
25.	VIRAL HEPATITIS											
	a) Hepatitis A	1	0	0	0	1	0	0	0	0	0	2
	b) Hepatitis B	95	10	30(2)	2	24	7(1)	8	9(1)	23	2(1)	210(5)
	c) Hepatitis C	25(1)	2	11(1)	7(1)	27	15	5	10	14	1	117(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
<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)	1830	107	372	531	2392	1191	1952	584	1737	937	11633
3	FILARIASIS	0	0	0	0	1	0	0	2	2	0	5
4	INFLUENZA-LIKE ILLNESS (ILI)	32051										32051
5	SEVERE ACUTE RESPIRATORY INFECTION (sARI)	510										510
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
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	1	0	0	0	0	2
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	24	14	3	2	5	2	1	3	10	1	65
5	HAND, FOOT & MOUTH DISEASE (HFMD)	44	10	2	7	0	18	1	0	5	2	89
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	7	0	2	0	0	0	0	0	0	0	9
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

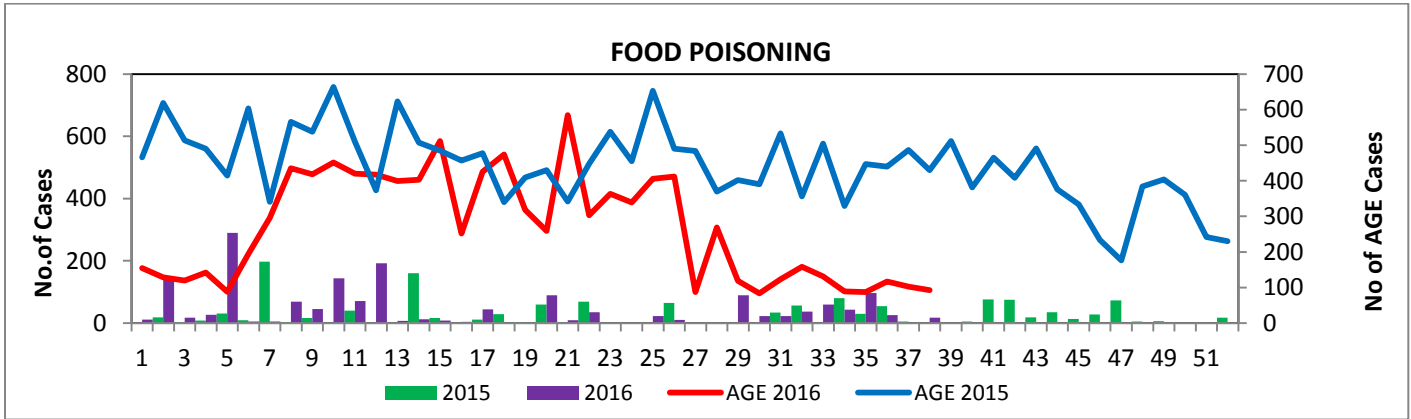
### 6.1 ILI SURVEILLANCE (KPL MAHMOODIAH)

ILI Surveillance	EW 38					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	89	186	443	146	864	2816	9030	15540	4665	32051
Total Outpatient Attendances	409	1599	2070	1212	5290	16480	46269	81720	39201	183670

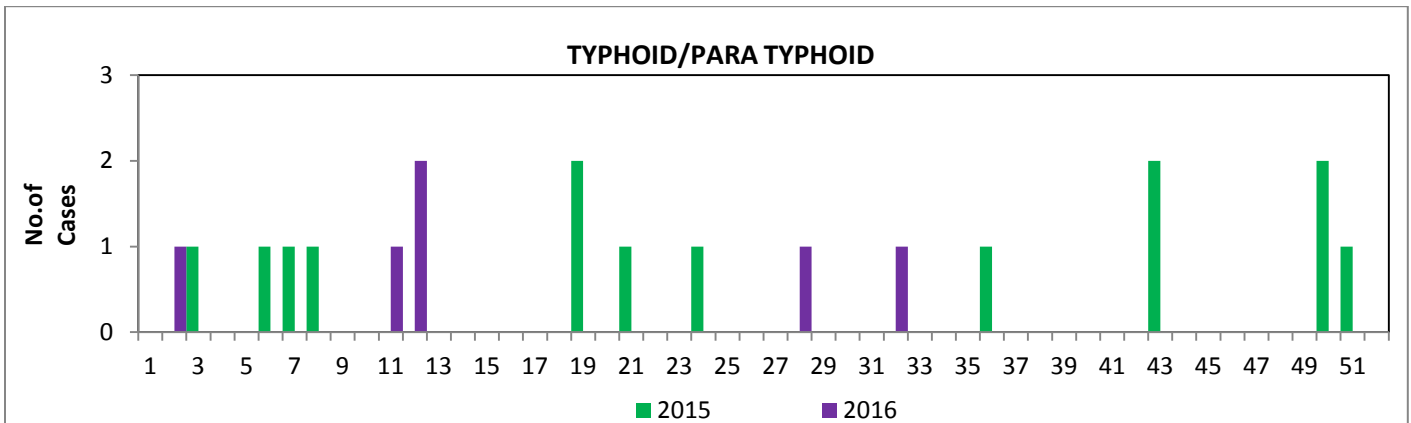
### 6.2 sARI SURVEILLANCE (HOSPITAL SULTANAH AMINAH, JOHOR BAHRU)

sARI Surveillance	EW 38			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)	7	8	15	345	165	510

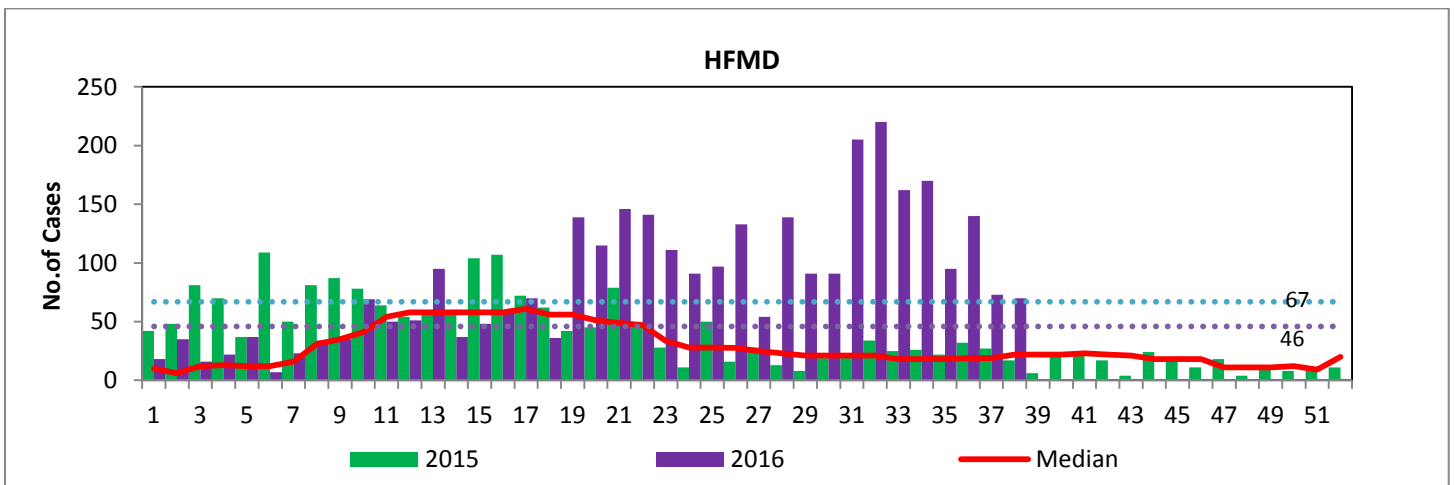
**7. WEEKLY CASES OF FOOD POISONING, 2015—2016**



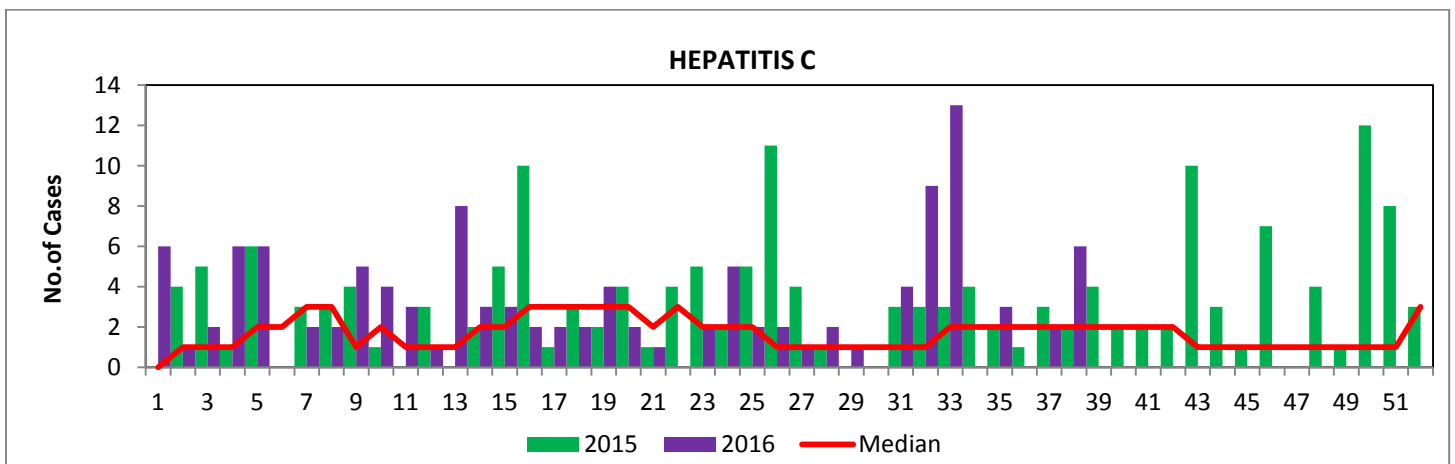
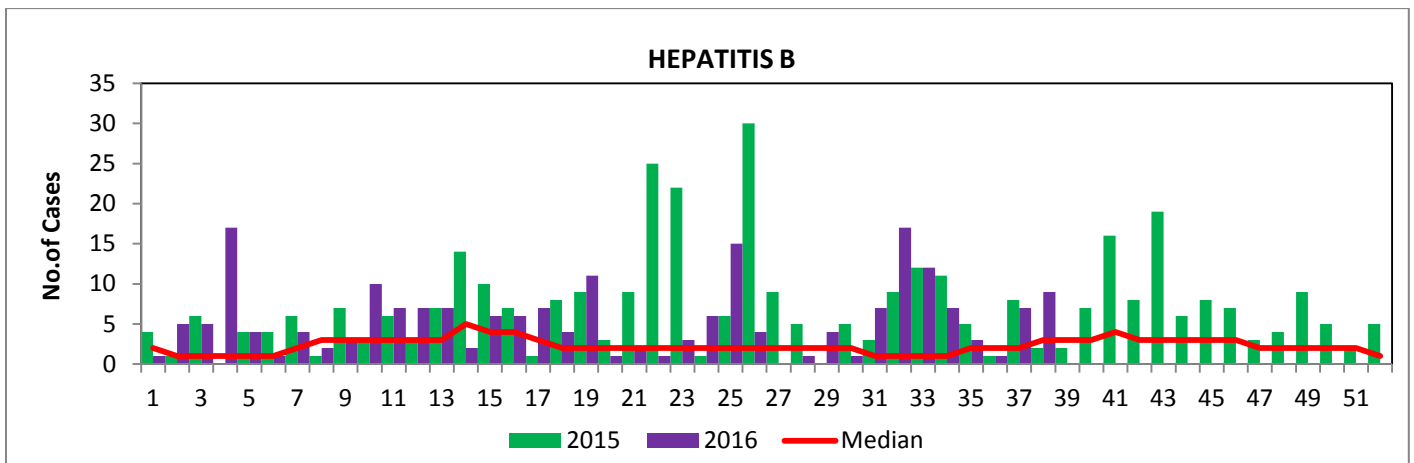
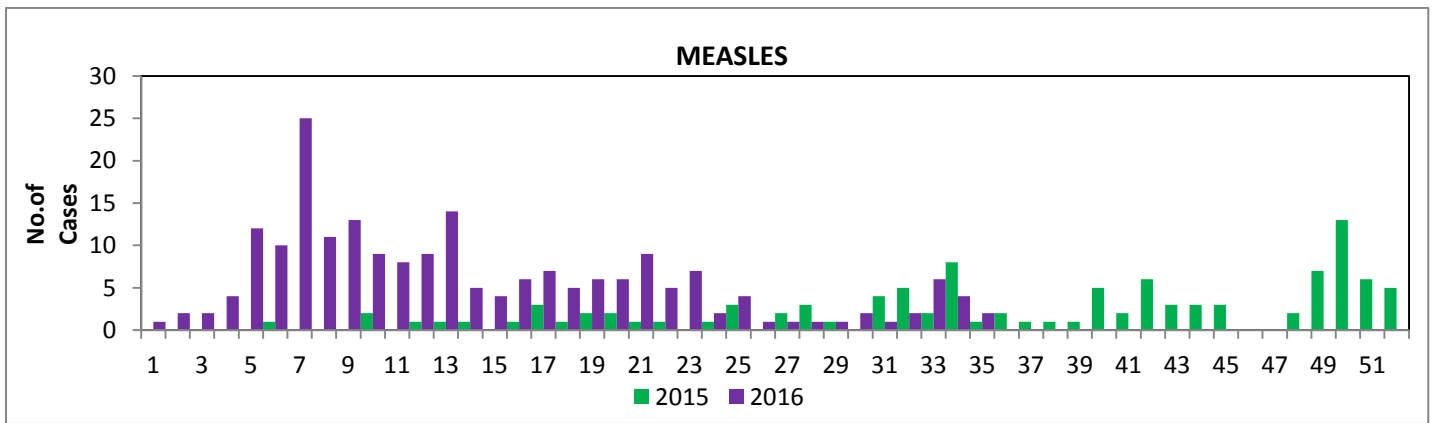
**8. WEEKLY CASES OF OTHER FOOD WATERBORNE DISEASES, 2015—2016**



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



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





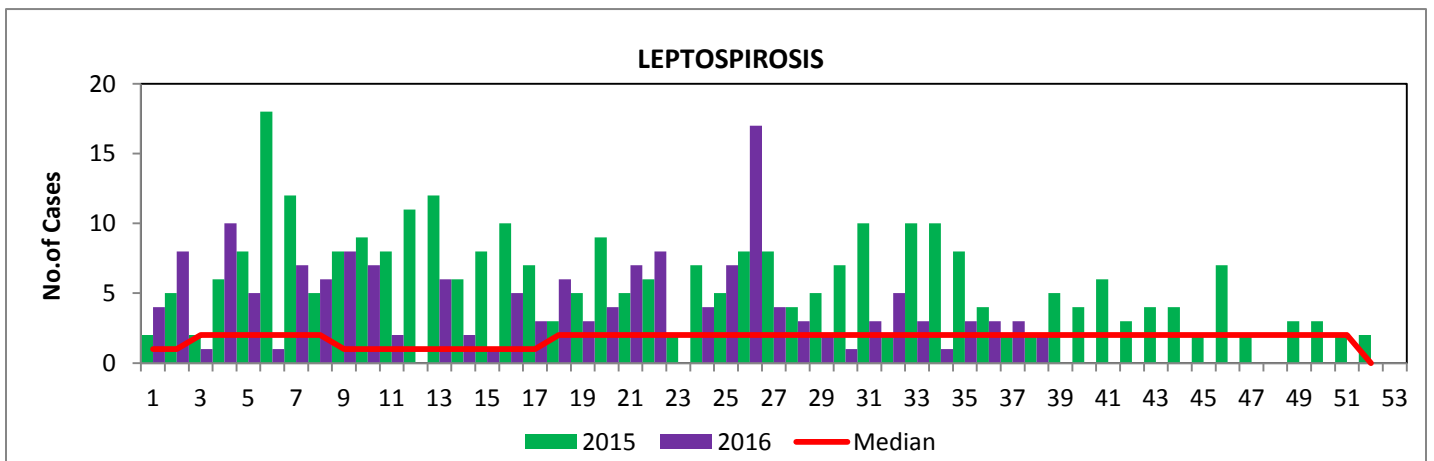
## 10.2 MEASLES ENHANCED SURVEILLANCE DATA (Cumulative)

Case classification	Frequency
Clinically confirmed	7
Epidemiologically confirmed	16
Lab confirmed	178
Discarded	158
Pending	38

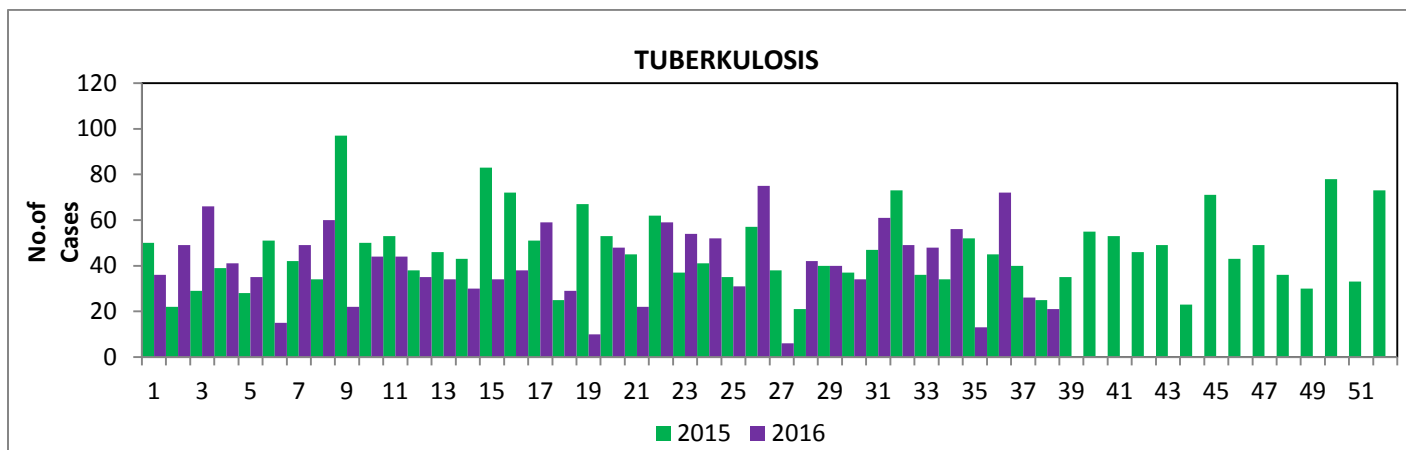
Total notifications	397
Incidence rate	110.5 per 1 million population

Indicator	Achievement	Target
Cases notified within 48 hours of rash onset	45%	100%
Cases investigated within 48 hours	95%	>80%
Sample taken for confirmation	91%	>80%
Cases classified	90%	100%
Confirmed case with source of infection identified	91%	>80%
Death	0	0

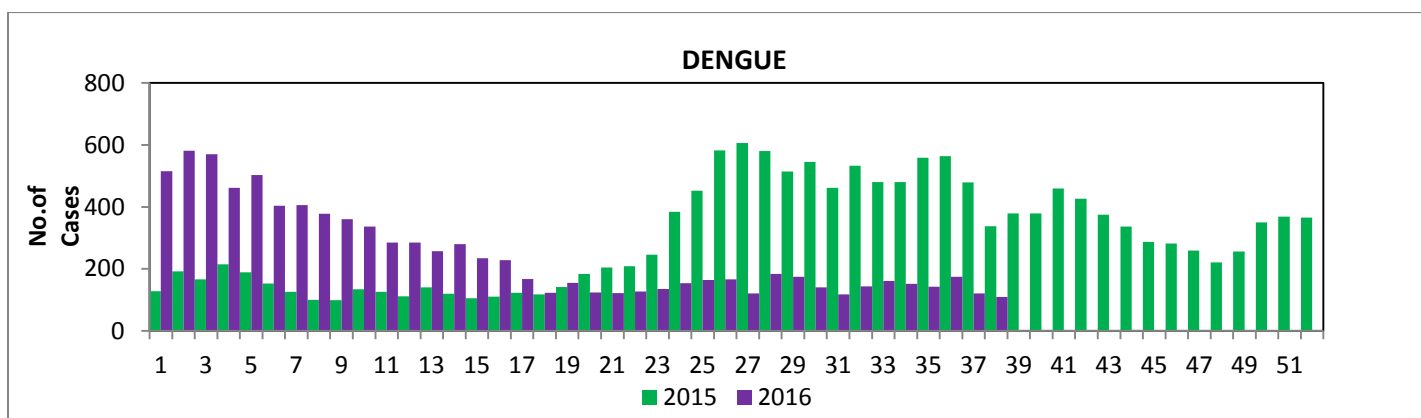
## 11. LEPTOSPIROSIS



## 12. TUBERCULOSIS



## 13. DENGUE

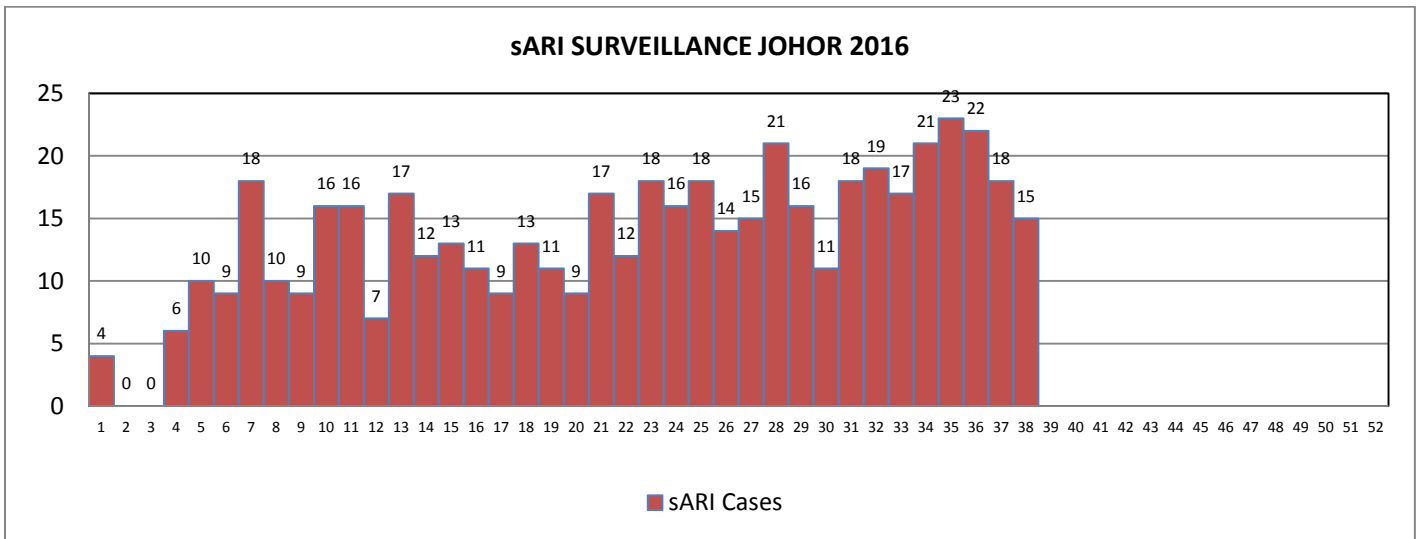
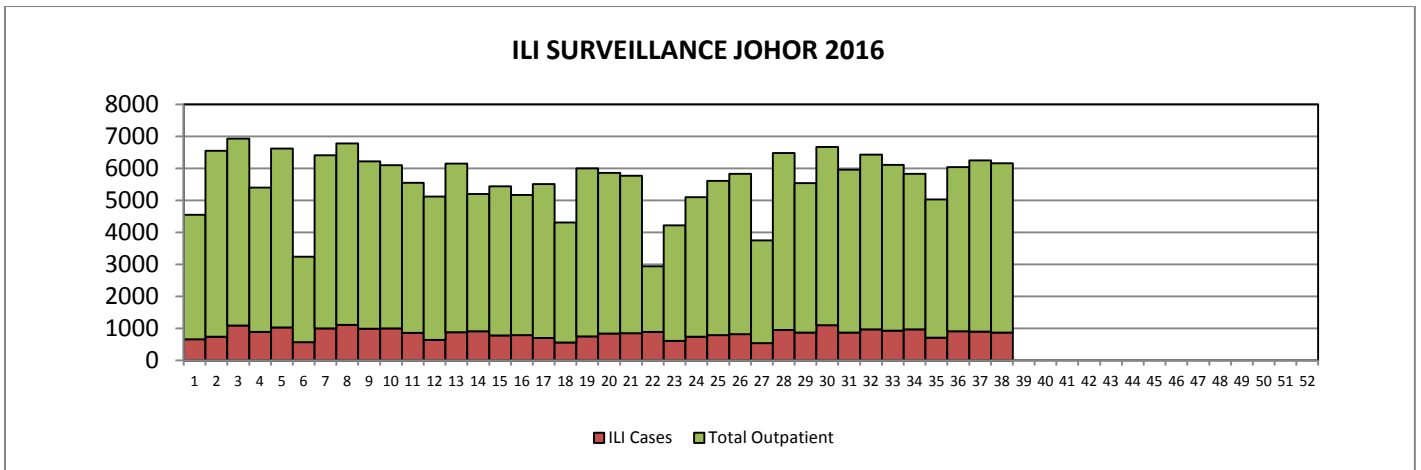
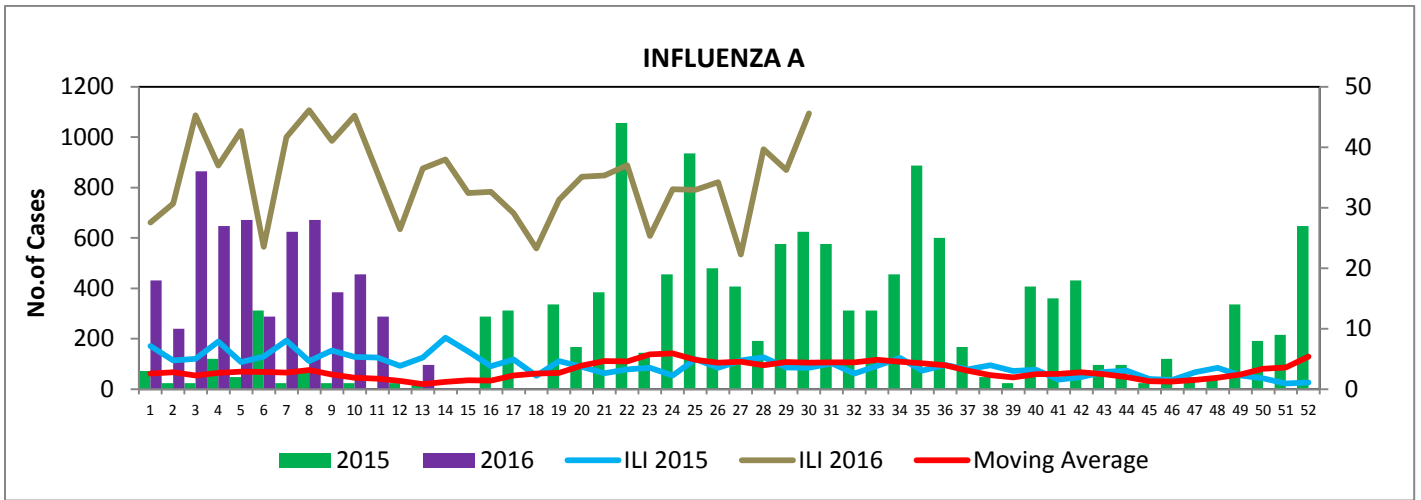


## 14. LABORATORY BASED SURVEILLANCE

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

Analysis	No. of sample received		No. of positive sample	
	EW 38 2016	Cumulative 2015	EW 38 2016	Cumulative 2015
1 <i>Salmonella typhi</i> / <i>Salmonella spp.</i>	0	0	7	18
2 <i>Yersinia enterocolitica</i>	0	0	0	0
3 <i>Vibrio cholerae</i> / <i>Vibro para</i>	0	0	8	9
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	2	5
6 <i>Aeromonas hydrophilia</i> / <i>spp</i>	0	0	2	2
7 <i>Shigella spp.</i>	0	0	0	0
8 <i>Bacillus cereus</i> (positive enterotoxin)	0	0	0	12
9 <i>Staphylococcus aureus</i> (positive enterotoxin)	0	0	15	11
10 <i>Campylobacter jejuni</i> / <i>coli</i> / <i>spp</i>	0	0	0	0

# 15. INFLUENZA SURVEILLANCE



## 16. FEVER & RASHES SURVEILLANCE

### FEVER & RASH SURVEILLANCE (BY DISTRICT)-EW 38

DISTRICT	Fever	Rash	Fever and rash	Total attendance
JOHOR BAHRU	0	0	0	0
KULAI	89	0	0	459
MUAR	1355	131	0	6057
TANGKAK	0	0	0	0
BATU PAHAT	0	0	0	0
KLUANG	959	66	63	6579
SEGAMAT	16	0	0	121
PONTIAN	361	20	381	3223
KOTA TINGGI	883	67	45	4038
MERSING	454	6	17	2044
<b>TOTAL</b>	<b>4117</b>	<b>290</b>	<b>506</b>	<b>22521</b>

### FEVER & RASH SURVEILLANCE (BY FACILITY)-EW 38

FACILITIES	Fever	Rash	Fever and rash	Total attendance
HEALTH CLINIC	3416	236	399	18045
GOVERNMENT HOSPITAL	566	35	90	3888
PRIVATE CLINIC	135	19	17	588
PRIVATE HOSPITAL	0	0	0	0
<b>TOTAL</b>	<b>4117</b>	<b>290</b>	<b>506</b>	<b>22521</b>