



# SARAWAK

## WEEKLY EPID NEWS

Sarawak Health Department

WEEK 30

24<sup>th</sup> – 30<sup>th</sup> JULY 2011

### INFECTIOUS DISEASE/CRISIS HIGHLIGHTS IN SARAWAK

In Epid. Week 30, 2011, Sarawak Health Department received reports of two dengue outbreaks from Bintulu; and one malaria outbreak at Long Ketuat, Belaga.

As at Epid. Week 30, 2011, Bintulu district has the highest number of cases for dengue and second highest for HFMD after Kuching district.

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**SARAWAK**  
State Health Department

CPRC (CRISIS PREPAREDNESS AND RESPONSE CENTRE)

Communicable Disease Control Section, Sarawak Health Department

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## 2. NEW OUTBREAKS/CLUSTERS

No	Disease	District	Locality	Case (No)	Outbreak declared
1	Malaria	Belaga	Rumah Adih Usang, Long Ketuat	2	25.07.2011
2	Dengue	Bintulu	Kampung Baru	2	23.07.2011
3		Bintulu	Punj Lloyd Oil & Gas Sdn. Bhd., Jalan Bintulu- Miri	2	29.07.2011

There were three outbreaks reported in Epid. Week 28, 2011 to Sarawak Health Department.

### 3. MANDATORY NOTIFIABLE DISEASES REPORTED IN EPID. WEEK 30, 2011

District	***HIV/AIDS	Acute Poliomyelitis	Chancroid	Cholera	Diphtheria	*Dengue/DHF	Dysentery	Ebola	Food Poisoning	***Gonorrhoea	Hand, Foot & Mouth	**Leprosy	*Malaria	Whooping Cough	Measles	Plague	Rabies	Relapsing Fever	***Syphilis	Tetanus	**Tuberculosis (All forms)	Typhoid & Paratyphoid Fever	Typhus, Scrub	Viral Hepatitis	Viral Encephalitis	Yellow Fever	Leptospirosis
Lundu																											
Bau											2																
Kuching						4				2	10				1												
Samarahan						1					2																
Asajaya																											
Simunjan										1									1								
Serian																											1
Sri Aman						2					5																
L/ Antu						1							1														
Betong						1							1														
Saratok																											
Sarikei											4																
Meradong													2														
Pakan/Julau													2														
Daro											1																
Matu	1/0																										
Dalat																											
Mukah																											
Sibu											2		1														
Kanowit						2					2																
Selangau																											
Song																											
Kapit						2							4														
Belaga																											
Tatau																											
Bintulu						4					6		2														
Miri						2					5				3												
Marudi													23						1								
Limbang													1														
Lawas													1														
TOTAL (Week 30)	1/0	0	0	0	0	19	0	0	0	3	39	0	38	0	4	0	0	0	2	0	0	0	0	0	0	0	1
Total (2011)	66/32	0	0	252	0	597	7	0	807	245	1032	8	1030	26	113	0	0	0	82	1	972	4	0	62	9	0	52
Total (2010)	136/111	0	0	0	0	4240	62	0	1299	437	4987	22	2802	10	132	0	0	0	230	1	1639	27	0	35	2	0	49
Total (2009)	143/189	0	1	0	0	4564	82	0	1223	438	9655	15	2158	4	56	0	0	0	339	0	1689	24	1	169	10	0	0

\* Dengue and malaria: notification from Vector Section (VEKPRO).

\*\* TB & leprosy: notification from TB/Leprosy Control Section. Figures are on monthly basis.

\*\*\* HIV/AIDS, gonorrhoea, syphilis, and Hepatitis B: notification from STI/AIDS Section HFMD notification is based on masterlist.

Leptospirosis was gazetted as a notifiable disease on 9th December 2010.

### **3.1. Surveillance Report on Mandatory Notifiable Diseases**

#### **3.1.1. HIV/AIDS**

One case of HIV reported in Epid. Week 30, 2011. The cumulative total HIV cases were 66 and all cases are adults. Out of these, 46 cases (69.7%) are male and 20 (30.3%) are female.

#### **3.1.2. Cholera**

No case reported in Epid. Week 30, 2011. A total of 252 cases were from Limbang. There were two outbreak localities at Limbang and Medamit in March 2011. DNA finger printing study showed the organisms were local origin.

#### **3.1.3. Dysentery**

No case reported in Epid. Week 30, 2011. The cumulative total of dysentery cases were seven but only one case was confirmed to be *E. histolytica* from Simunjan District. The others are all negative for microbiological analyses.

#### **3.1.4. Food Poisoning**

No food poisoning outbreak reported in Epid. Week 30, 2011. The cumulative total of food poisoning cases were 871 that consist of 29 outbreaks. Out of 29 outbreaks, 18 (62.1%) involved schools (9 primary; 9 secondary).

#### **3.1.5. Gonorrhoea**

Three new cases reported in Epid. Week 30, 2011 from Kuching (2) and Simunjan (1) districts. Out of a total of 245 cases reported, 244 were adults and one was a gonococcal neonatorum.

#### **3.1.6. Leprosy**

No case reported in Epid. Week 30, 2011. The cumulative total of leprosy cases were 10, one case was foreigner and nine were locals. All the cases were detected through active case detection (ACD).

#### **3.1.7. Whooping Cough**

No case reported in Epid. Week 30, 2011. Out of the cumulative total of 26 suspected pertussis cases, four cases were confirmed by culture (SGH Kuching=3, Miri=1) and one case confirmed by PCR from Sibu hospital. Eight cases are negative and the rest are still pending.

### **3.1.8. Measles**

Four suspected measles cases were reported in Epid. Week 30, 2011, one case from Kuching and three from Miri districts.

The first case is a four years old Iban girl who had received MMR vaccination, notified by Mosque Road Health Clinic.

The second case is a 48 years old Malay male from Lutong, Miri notified by Miri Health Clinic presented with fever and rashes but with history of unknown immunisation status.

The third case is a 34 years old Malay man notified by Tudan Health Clinic presented with fever and rashes but with history of unknown immunisation status.

The fourth case is a 6 years old Bidayuh boy notified by Miri Health Clinic but still awaiting for investigation report.

All serology results are still pending. The cumulative total measles cases reported as at 31<sup>st</sup> July 2011 is 111 cases. Of this, only one case was positive IgM measles.

### **3.1.9. Syphilis**

Two cases reported in Epid. Week 30, 2011 each from Simunjan and Marudi district. Out of the total of 82 syphilis cases reported, 78 (95.1%) cases were adult and four cases (4.9%) were children. More than half of the cases were male, 43 (52.4%) and 39 (47.6%) were female.

### **3.1.10. Tetanus**

No case reported in Epid. Week 30, 2011. The cumulative total of tetanus cases is remained as one. The patient was a 77 years old Chinese man from Kuching district.

### **3.1.11. Tuberculosis (all forms)**

In June 2011, there were 173 confirmed TB cases reported, bringing a cumulative total of 972 cases reported in 2011 compared to 1,689 total cases reported in year 2010.

### **3.1.12. Typhoid and paratyphoid fever**

One case of typhoid reported in Epid. Week 30, 2011 that was positive for *Salmonella typhi* from blood C&S test. The case is a 24 years old Indonesian man who is working at Samling Plantation, Tubau, Bintulu Division as a labourer. He came to Malaysia on 6<sup>th</sup> June 2011. The case was admitted in Bintulu Hospital on 5<sup>th</sup> July 2011 with symptoms of dysentery, abdominal pain, loss of appetite, headache, and body weakness. The onset date was on 3<sup>rd</sup> July 2011.

He stays in a workers' barrack together with other 16 colleagues. No other workers had similar symptoms. No history of movement outside of the barrack prior one month before the onset date. The barrack has a latrine with sealed septic tank. However, the source of drinking water is rain water tank. Stool specimens from other workers and water samples (3) were negative for microbiological test.

The cumulative total confirmed typhoid case were five in which confirmed by stool C&S test.

#### **3.1.13. Viral Hepatitis**

No case of Hepatitis B or Hepatitis C case reported in Epid. Week 30.

The cumulative total of Viral Hepatitis cases reported was 62. Of these, 36 cases were viral Hepatitis B where four were acute and 31 were chronic. Another 26 cases were Hepatitis C where six cases were acute and 20 were chronic.

#### **3.1.14. Viral Encephalitis**

No case reported in Epid. Week 30, 2011. The cumulative total of viral encephalitis cases were nine. Of these, one case was confirmed Japanese Encephalitis and seven were due to other viruses.

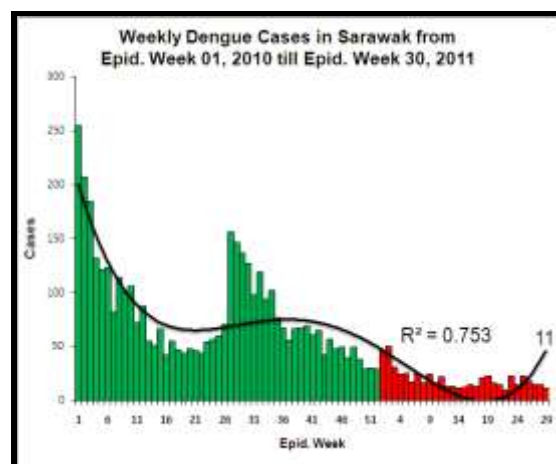
**Note: Vector borne diseases and emerging and re-emerging infectious diseases will be discussed in their respective chapter.**

#### 4. VECTOR BORNE DISEASES: DENGUE, MALARIA AND CHIKUNGUNYA

##### 4.1. Notified Dengue cases for Epid. Week 30, 2011 as compared to Epid. Week 30, 2010 and cumulative cases till Epid. Week 30 in 2010.

District	2011		2010		
	EW 30	Cum.	EW 30	Cum.	Total
Lundu	0	7	2	35	69
Bau	0	18	2	82	123
Kuching	4	68	14	320	473
Samarahan	1	13	1	72	97
Asajaya	0	4	0	7	10
Serian	0	11	3	113	140
Simunjan	0	9	0	38	47
Sri Aman	2	29	1	59	96
Lubok Antu	1	15	2	26	53
Betong	1	10	2	20	30
Saratok	0	4	0	17	20
Sarikei	0	13	1	65	91
Meradong	0	10	1	44	53
Pakan	0	10	0	18	30
Julau	0	9	1	13	20
Daro	0	6	2	46	95
Matu	0	1	1	20	25
Dalat	0	2	1	7	14
Mukah	0	4	2	21	39
Sibu	0	51	40	699	1021
Kanowit	2	19	1	35	64
Selangau	0	6	3	11	32
Song	0	9	0	9	16
Kapit	2	24	3	117	158
Belaga	0	15	0	20	39
Tatau	0	27	1	20	40
Bintulu	4	77	14	147	237
Miri	2	71	21	610	816
Marudi	0	37	1	90	126
Limbang	0	13	3	85	131
Lawas	0	5	4	22	35
Sarawak	19	597	127	2888	4240

EW = Epid. Week



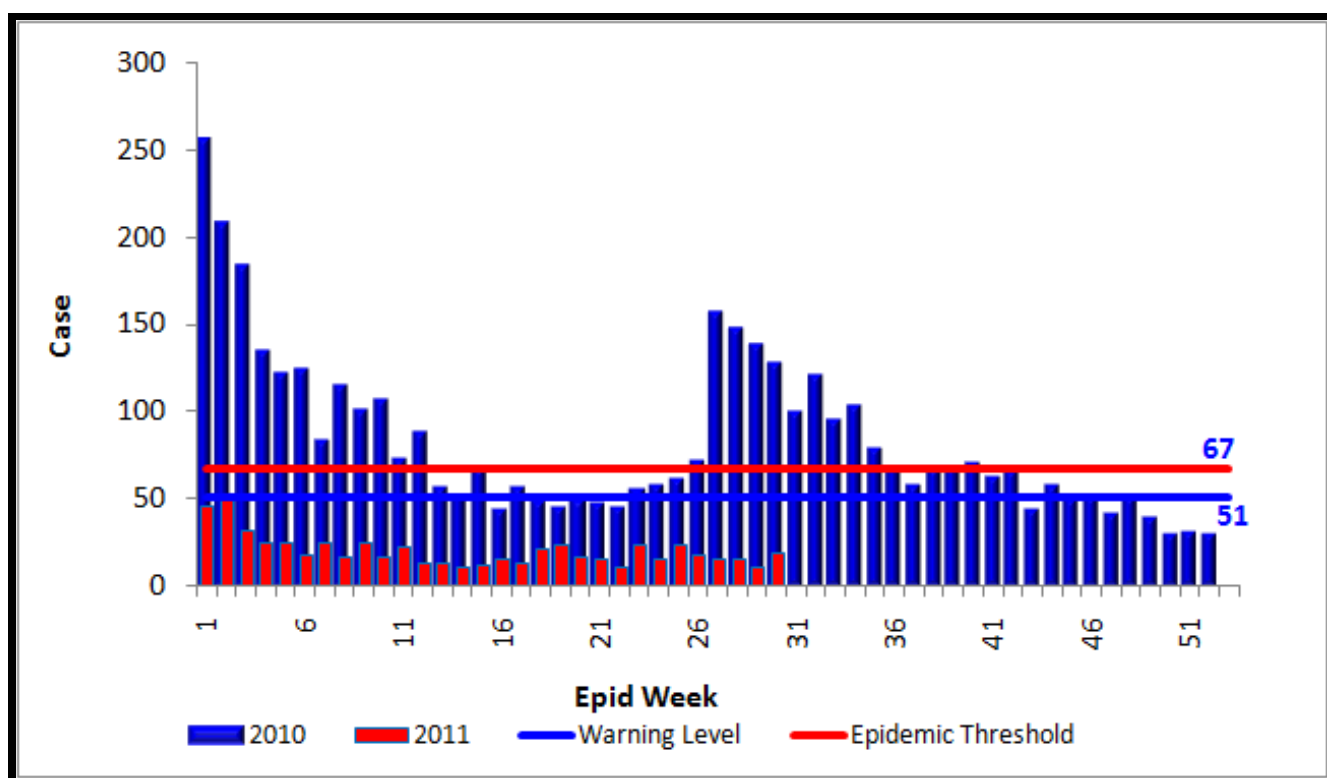
A total of 19 dengue cases were reported in Epid. Week 30, 2011 as compared to 127 cases during the same period in 2010. This is an increase of eight cases from the previous Epid. Week 29, 2011

**Two outbreak localities are still active, both in Bintulu. No uncontrolled outbreak is reported.**

The top five districts with the highest number of reported cases were:

1. Bintulu
2. Miri
3. Kuching
4. Sibu
5. Marudi

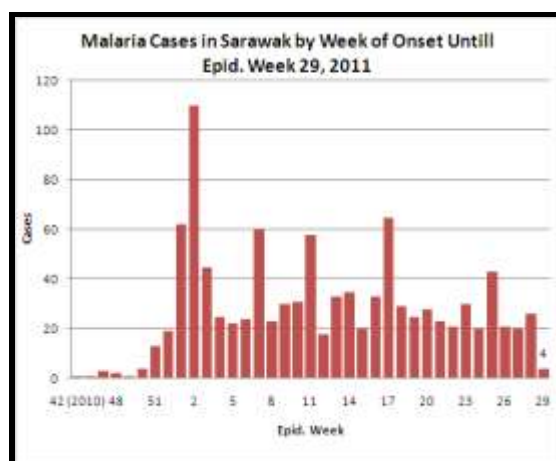
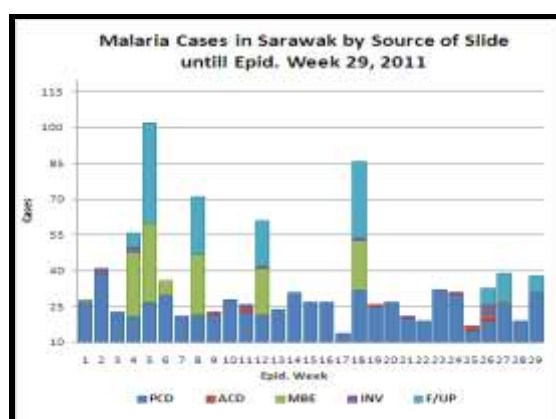
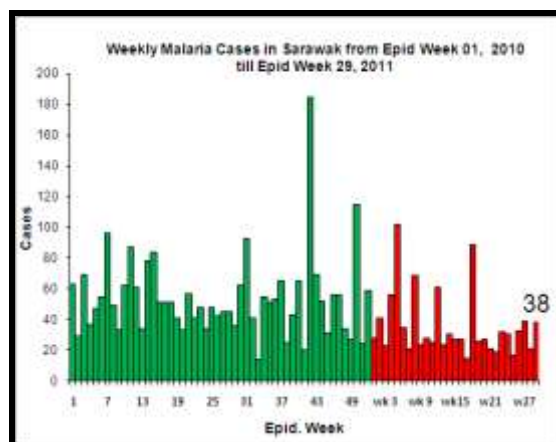
#### 4.1.1 Weekly dengue cases showing warning and epidemic level in 2011 as compared to 2010.





**4.2. Notified Malaria cases for Epid. Week 29, 2011 compared to Epid. Week 29, 2010 and cumulative cases till Epid. Week 29 in 2011.**

District	2011		2010		Total
	EW 29	Cum.	EW 29	Cum.	
Lundu	0	22	2	61	72
Bau	0	3	0	8	9
Kuching	0	12	0	15	27
Samarahan	0	2	0	0	2
Asajaya	0	0	0	0	0
Simunjan	0	2	1	15	17
Serian	0	15	1	46	58
Sri Aman	0	7	0	16	25
Lubok Antu	1	12	2	14	16
Betong	1	17	0	8	15
Saratok	0	1	0	3	4
Sarikei	0	14	0	3	8
Meradong	2	8	0	1	3
Pakan	1	12	0	7	14
Julau	1	40	0	18	34
Daro	0	1	0	0	1
Matu	0	0	0	0	1
Dalat	0	5	0	11	14
Mukah	0	2	0	3	6
Sibu	1	24	0	28	43
Kanowit	0	51	4	36	65
Selangau	0	6	0	5	9
Song	0	31	1	27	46
Kapit	4	120	1	63	134
Belaga	0	74	4	220	300
Tatau	0	19	0	7	12
Bintulu	2	26	1	16	39
Miri	0	18	0	13	32
Marudi	23	453	17	816	1734
Limbang	1	11	1	26	29
Lawas	1	22	1	21	33
Sarawak	38	1030	36	1507	2802



A total of 38 cases were reported in Epid. Week 29, 2011. The cumulative cases as at Epid. Week 29, 2011 were 1,030. Of these 1,030 cases, 453 cases (44%) from Marudi District, 120 cases (12%) from Kapit District and 74 cases (7%) from Belaga District.

**Notes: 1) EW = Epid. Week; 2) All Malaria cases should be notified within 3 days and as for Sarawak to be notified within 24 hours (Source: Vector Borne Disease Control Section, Sarawak Health Department)**

#### 4.2.1. Cases detected by slide source

Slides source	Epid. Week 29	Epid. Week 1 – Epid. Week 29
Passive Case Detection (PCD)	31	722
Active Case Detection (ACD)	0	8
Investigation slides ( INV)	0	16
Mass Blood Survey (MBS)	0	132
Follow-up	7	150
<b>Total</b>	<b>38</b>	<b>1030</b>

#### 4.2.2. Cases by species

Species	Epid. Week 29	Epid. Week 1 – Epid. Week 29
<i>Plasmodium vivax</i>	25	615
<i>Plasmodium falciparum</i>	3	52
<i>Plasmodium malariae</i> <sup>#</sup>	5	216
<i>Plasmodium knowlesi</i>	5	143
<i>Plasmodium ovale</i>	0	0
Mixed infection	0	4
<b>Total</b>	<b>38</b>	<b>1030</b>

Notes: # May include *Plasmodium knowlesi*

#### 4.2.3. Cases classification

Classification	Epid. Week 29	Epid. Week 1 – Epid. Week 29
Indigenous	31	800
*Imported A	7	123
Relapsed	0	106
Congenital	0	1
<b>Total</b>	<b>38</b>	<b>1030</b>

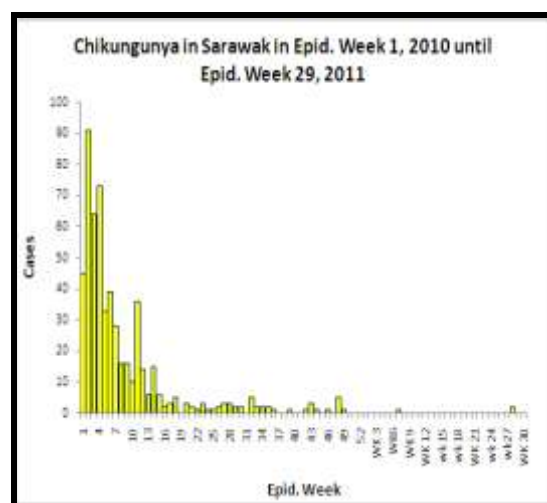
#### 4.2.4. The source of infection of the \*Imported A cases and the species involved

Nu.	District reported	Source of infection	Case (No.)	Species
1	Bintulu	India	1	<i>P. vivax</i>
2	Kapit	Africa	1	<i>P. falciparum</i>
3	Limbang	Africa	1	<i>P. falciparum</i>
4	Meradong	Papua New Guinea	1	<i>P. falciparum</i>
5	Meradong	Pontianak, Kalbar, Indonesia	1	<i>P. malariae</i>
6	Sibu	India	1	<i>P. malariae</i>

4.3. Notified Chikungunya cases for Epid. Week 30, 2011 compared to Epid. Week 30, 2010 and cumulative cases till Epid. Week 30 in 2010.

District	2011		2010		
	EW 30	Cum.	EW 30	Cum.	Total
Lundu	0	0	0	1	1
Bau	0	0	0	9	13
Kuching	0	1	0	70	72
Samarahan	0	0	0	2	3
Asajaya	0	0	0	1	1
Serian	0	1	0	15	15
Simunjan	0	0	0	17	17
Sri Aman	0	0	0	26	26
Lubok Antu	0	0	0	16	16
Betong	0	1	0	11	13
Saratok	0	0	0	8	8
Sarikei	0	0	0	6	7
Meradong	0	0	0	24	25
Pakan	0	0	0	9	10
Julau	0	0	0	22	22
Daro	0	0	0	19	21
Matu	0	0	0	0	0
Dalat	0	0	0	9	9
Mukah	0	0	0	11	12
Sibu	0	0	0	45	45
Kanowit	0	0	0	1	1
Selangau	0	0	0	0	0
Song	0	0	0	5	5
Kapit	0	0	1	60	67
Belaga	0	0	0	76	78
Tatau	0	0	0	6	6
Bintulu	0	0	0	43	44
Miri	0	0	1	13	13
Marudi	0	0	0	0	0
Limbang	0	0	0	0	0
Lawas	0	0	0	0	0
Sarawak	0	3	2	525	550

EW = Epid Week



No case of Chikungunya was reported in Epid. Week 29, 2011, as compared to two cases during the same period in 2010. The cumulative cases of Chikungunya in 2011 were three.

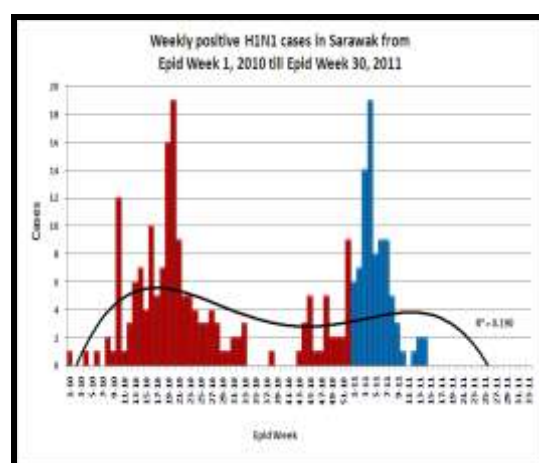
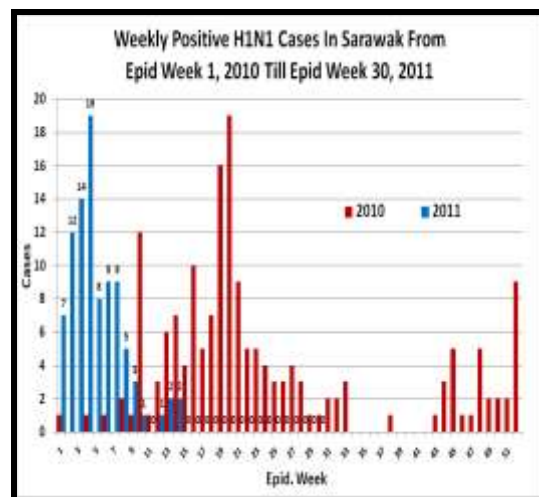
## 5. EMERGING/RE-EMERGING INFECTIOUS AND ZOO NOTIC DISEASES

### 5.1. H1N1

5.1.1 Positive Pandemic Influenza A (H1N1) cases for Epid. Week 30, 2011 compared to Epid. Week 30, 2010 and cumulative cases till Epid. Week 30 in 2011.

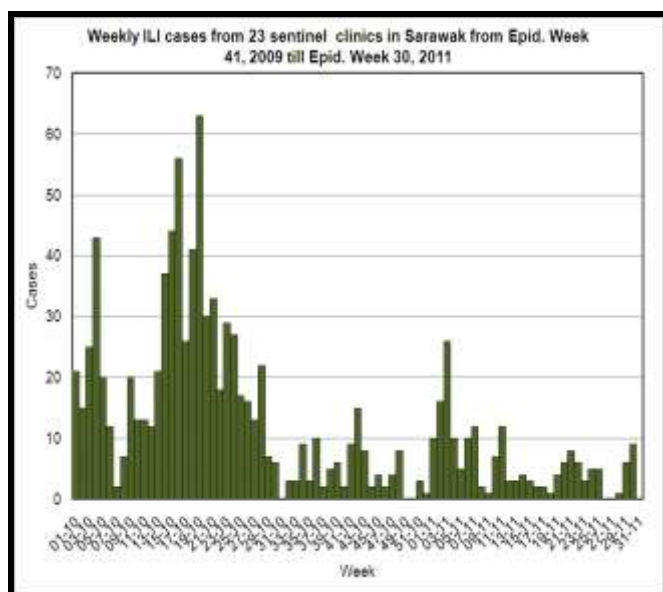
District	2011		2010		
	EW 29	Cum.	EW 29	Cum.	Total
Lundu	0	1	0	8	9
Bau	0	0	0	0	1
Kuching	0	51	0	41	61
Samarahan	0	0	0	5	8
Simunjan	0	0	0	3	4
Serian	0	0	0	2	2
Sri Aman	0	0	0	4	4
Lubok Antu	0	0	0	0	0
Betong	0	1	0	0	0
Saratok	0	0	0	0	0
Sarikei	0	0	0	2	2
Meradong	0	0	0	0	0
Julau	0	0	0	0	0
Daro	0	0	0	0	0
Dalat	0	0	0	0	0
Mukah	0	0	0	0	0
Sibu	0	1	0	19	19
Kanowit	0	0	0	1	1
Song	0	0	0	0	0
Kapit	0	1	0	1	1
Belaga	0	1	0	0	0
Tatau	0	0	0	0	0
Bintulu	0	27	0	15	19
Miri	0	6	0	7	7
Marudi	0	0	0	1	1
Limbang	0	2	1	19	20
Lawas	0	1	0	2	2
<b>TOTAL</b>	<b>0</b>	<b>92</b>	<b>1</b>	<b>130</b>	<b>161</b>

EW = Epid. Week



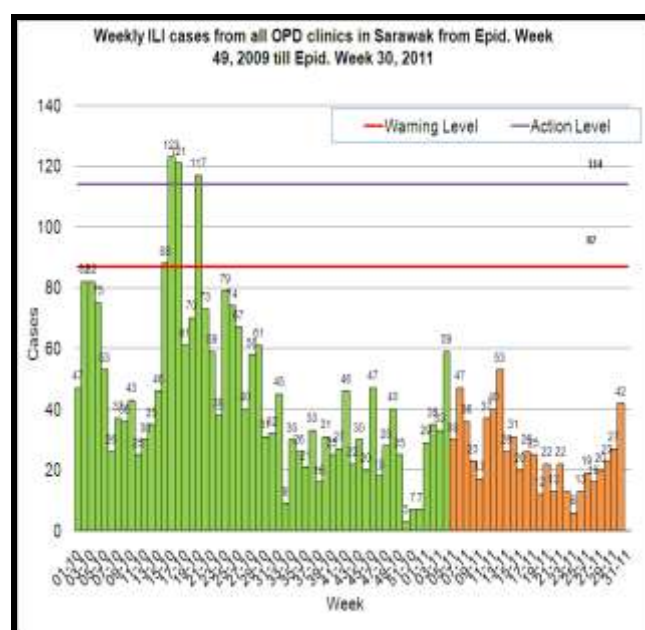
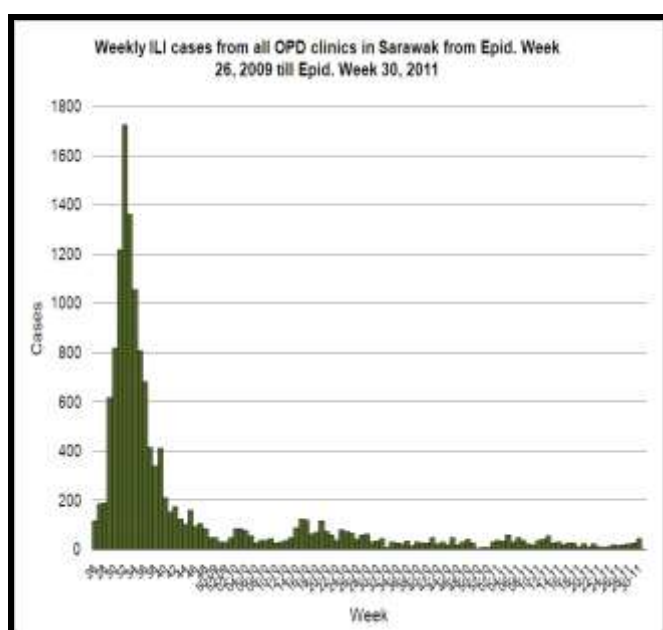
No H1N1 positive case was reported in Epid. Week 30, 2011. The cumulative total cases in 2011 were 92 cases as compared to 130 cases reported during the same period in 2010.

### 5.1.2 Outpatient Influenza-Like Illness (ILI) Surveillance from Epid. Week 25 in 2009 till Epid. Week 30 in 2011.



In Epid. Week 30, 2011, nine ILI case reported from the 23 Sentinel clinics and all OPD clinics. This show an increasing trend in the number of cases compared to previous Epid. Week.

ILI is defined as a person with sudden onset of fever  $> 38^{\circ}\text{C}$  and cough or sore throat in the absence of other diagnosis (Disease Control Division, Ministry of Health, October 2009).



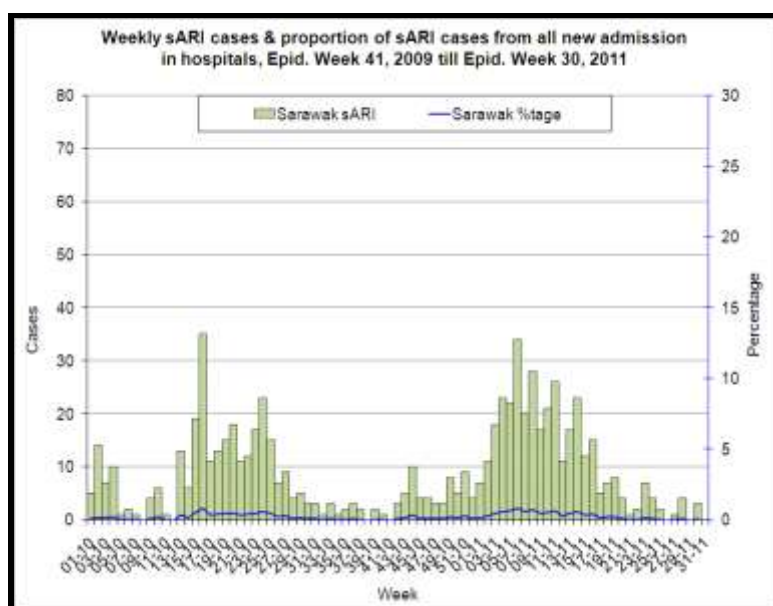
Referring to a letter dated 25 January 2011 from Office of the Deputy Director-General of Health (Public Health), Department of Public Health, Ministry of Health Malaysia about **PEMANTAUAN AKTIVITI H1N1 SECARA BERTERUSAN**, all PKB/PKD must send their daily H1N1 report as well as ILI and sARI surveillance activities to Operations Room, CPRC Unit, CDC Section, Sarawak Health Department **BEFORE 10.00 am every day**.

### 5.1.3. New and Cumulative ILI Clusters as of 30<sup>th</sup> July 2011.

Division	New Cluster (No)	Positive	Negative	Cumulative
Kuching	0	13	3	16
Samarahan	0	0	0	0
Sri Aman	0	0	0	0
Betong	0	0	0	0
Sarikei	0	0	0	0
Sibu	0	0	0	0
Kapit	0	0	0	0
Bintulu	0	0	1	1
Miri	0	1	0	1
Limbang	0	0	0	0
<b>TOTAL</b>	<b>0</b>	<b>14</b>	<b>4</b>	<b>18</b>

Note: First cluster in 2011 was detected on 31/12/2010 and the latest was on 9/4/2011.

#### 5.1.4. Severe Acute Respiratory (sARI) Infection Cases



sARI is suspected when:

1. meets ILI case definition (sudden onset of fever  $> 38^{\circ}\text{C}$  and cough or sore throat in the absence of other diagnosis, **AND**
2. shortness of breath or difficulty of breathing, **AND**
3. requires hospital admission  
(Disease Control Division, Ministry of Health, October 2009)

#### 5.1.5. Weekly Summary Report on sARI Admission in Government Hospitals in Sarawak as at 30<sup>th</sup> July 2011

Division	Hospital	New EW 30	Cumulative 2011	No. of Inpatient			No. of Patient on Ventilator	Throat swabs		
				ICU	ISO	Other wards		Positive	Pending	Negative
Kuching	SGH Kuching	4	156	0	0	4	0	0	0	4
	Bau	0	0	0	0	0	0	0	0	0
	Lundu	0	19	0	0	0	0	0	0	0
	RCBM	0	0	0	0	0	0	0	0	0
	Sentosa	0	0	0	0	0	0	0	0	0
Samarahan	Serian	0	0	0	0	0	0	0	0	0
	Simunjan	0	1	0	0	0	0	0	0	0
Sri Aman	Sri Aman	0	0	0	0	0	0	0	0	0
Betong	Betong	0	0	0	0	0	0	0	0	0
	Saratok	0	0	0	0	0	0	0	0	0
Sarikei	Sarikei	0	0	0	0	0	0	0	0	0
Sibu	Sibu	0	1	0	0	0	0	0	0	0
	Kanowit	0	0	0	0	0	0	0	0	0
Mukah	Mukah	0	0	0	0	0	0	0	0	0
	Dalat	0	0	0	0	0	0	0	0	0
	Daro	0	0	0	0	0	0	0	0	0
Kapit	Kapit	0	0	0	0	0	0	0	0	0
Bintulu	Bintulu	0	248	0	0	0	0	0	0	0
Miri	Miri	0	16	0	0	0	0	0	0	0
	Marudi	0	0	0	0	0	0	0	0	0
Limbang	Limbang	0	6	0	0	0	0	0	0	0
	Lawas	0	0	0	0	0	0	0	0	0
Total		4	447	0	0	4	0	0	0	4

EW = Epid. Week

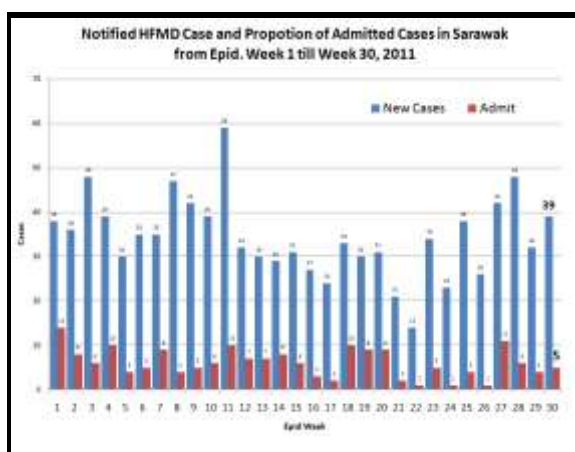
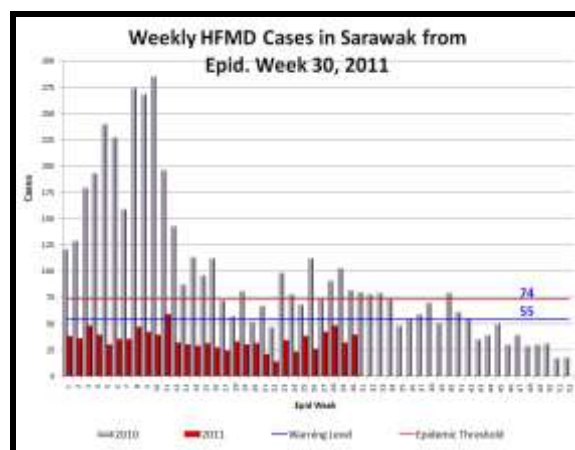
Four sARI admissions were reported in Epid. Week 30, 2011: SGH Kuching (4). None of the patients was in severe or critical condition. All four cases were negative for H1N1.



**5.2. Notified HFMD cases for Epid. Week 30, 2011 compared to Epid. Week 30, 2010 and cumulative cases till Epid. Week 30 in 2011.**

District	2011		2010		Total 2010
	EW 30	Cum.	EW 30	Cum.	
Kuching	10	186	18	805	961
Bau	2	22	5	187	209
Lundu	0	8	2	55	86
<b>KUCHING</b>	<b>12</b>	<b>216</b>	<b>25</b>	<b>1047</b>	<b>1256</b>
Samarahan	2	40	0	116	127
Asajaya	0	19	0	3	7
Simunjan	0	2	1	21	37
Serian	0	5	1	24	25
<b>SAMARAHAN</b>	<b>2</b>	<b>66</b>	<b>2</b>	<b>164</b>	<b>196</b>
Sri Aman	5	38	5	119	145
Lubok Antu	0	7	1	17	23
<b>SRI AMAN</b>	<b>5</b>	<b>45</b>	<b>6</b>	<b>136</b>	<b>168</b>
Betong	0	29	3	60	103
Saratok	0	23	0	38	38
<b>BETONG</b>	<b>0</b>	<b>52</b>	<b>3</b>	<b>98</b>	<b>141</b>
Sarikei	4	79	6	184	206
Meradong	0	10	2	44	55
Pakan	0	2	0	35	37
Julau	0	1	1	20	24
<b>SARIKEI</b>	<b>4</b>	<b>92</b>	<b>9</b>	<b>283</b>	<b>322</b>
Daro	1	1	1	22	24
Matu	0	0	3	16	20
Mukah	0	35	0	210	259
Dalat	0	15	0	98	108
<b>MUKAH</b>	<b>1</b>	<b>51</b>	<b>4</b>	<b>346</b>	<b>411</b>
Sibu	2	58	6	414	517
Selangau	2	4	0	7	17
Kanowit	0	17	0	44	44
<b>SIBU</b>	<b>4</b>	<b>79</b>	<b>6</b>	<b>465</b>	<b>578</b>
Kapit	0	43	1	101	116
Song	0	10	2	23	29
Belaga	0	5	2	8	10
<b>KAPIT</b>	<b>0</b>	<b>58</b>	<b>5</b>	<b>132</b>	<b>155</b>
Bintulu	6	196	8	412	629
Tatau	0	16	0	12	28
<b>BINTULU</b>	<b>6</b>	<b>212</b>	<b>8</b>	<b>424</b>	<b>657</b>
Miri	5	113	13	628	911
Marudi	0	39	0	84	105
<b>MIRI</b>	<b>5</b>	<b>152</b>	<b>13</b>	<b>712</b>	<b>1016</b>
Limbang	0	8	0	54	54
Lawas	0	1	1	43	56
<b>LIMBANG</b>	<b>0</b>	<b>9</b>	<b>1</b>	<b>97</b>	<b>110</b>
<b>SARAWAK</b>	<b>39</b>	<b>1032</b>	<b>82</b>	<b>3904</b>	<b>5010</b>

EW = Epid. Week

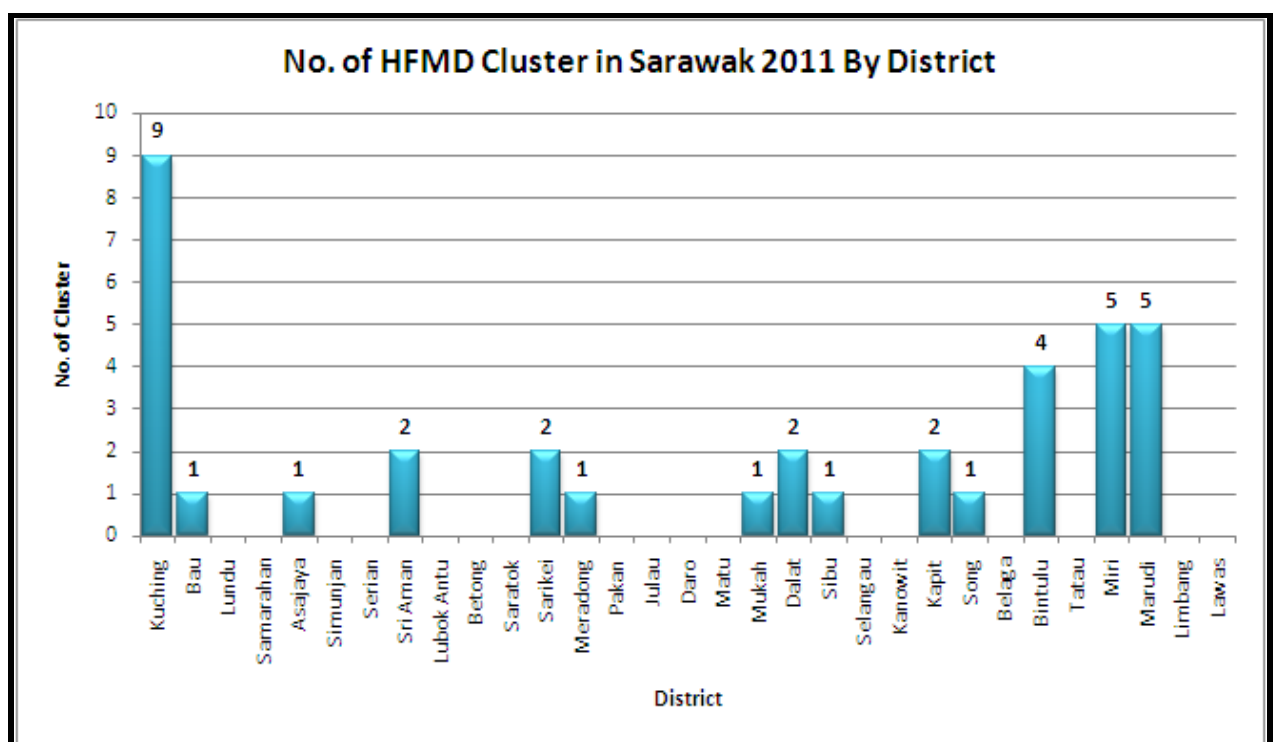
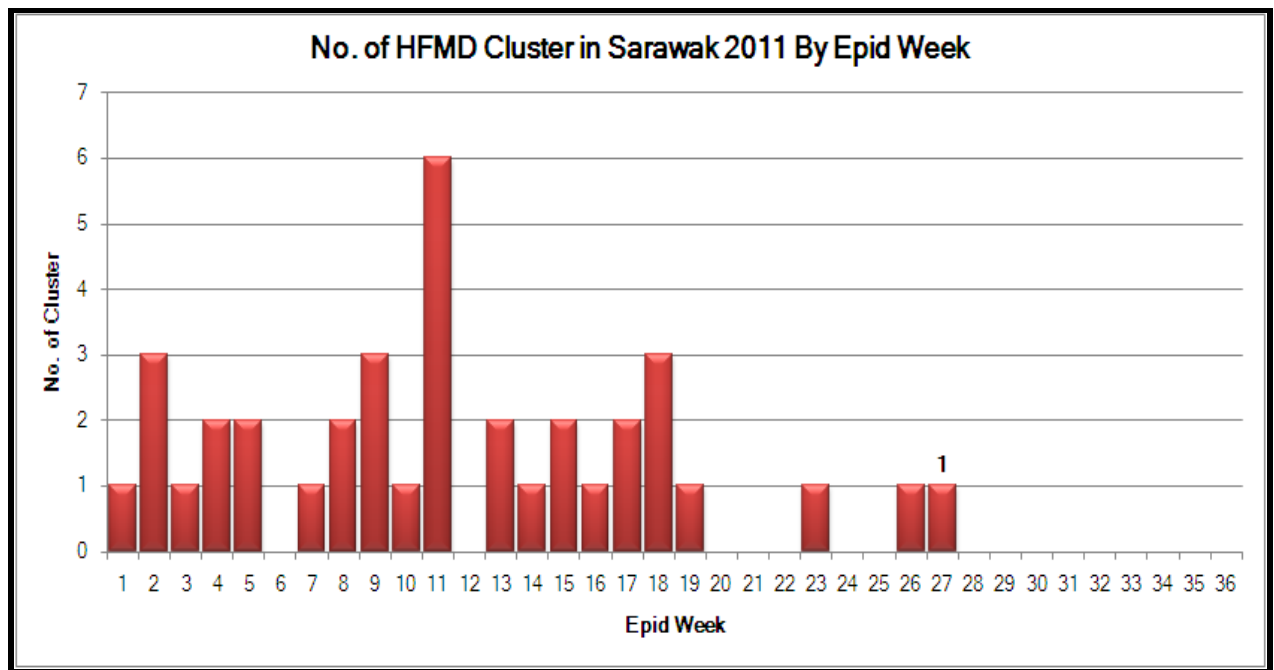


A total of 39 cases were reported in Epid. Week 30, 2011. This was an increase of sixteen cases from Epid. Week 29, 2011. A cumulative total of 1,032 cases were reported as compared to 3,904 cases during the same period in 2010.

### 5.2.1. Cumulative HFMD Clusters as of 30<sup>th</sup> July 2011.

No HFMD cluster was reported in Epid. Week 30, 2011.

As at 31<sup>st</sup> July 2011, a total of 37 clusters were reported. Of these, 32 (86.5%) were family cluster, three (8.1%) were cluster in kindergarten and two (2.0%) were in school.



**5.3. Notified Leptospirosis cases for Epid. Week 30, 2011 compared to Epid. Week 30, 2010 and cumulative cases till Epid. Week 30 in 2011.**

District	Case classification (positive)				Total positive leptospirosis	
	Confirmed		Probable		2011	2010
	EW 30/2011	EW 30/2010	EW 30/2011	EW 30/2010		
Lundu	0	0	0	0	0	0
Bau	0	0	0	0	0	1
Kuching	0	0	0	0	7	12
Samarahan	0	0	0	0	1	1
Serian	0	0	1	0	3	2
Simunjan	0	0	0	0	2	1
Sri Aman	0	0	0	0	4	1
Lubok Antu	0	0	0	0	5	3
Betong	0	0	0	0	1	0
Saratok	0	0	0	0	1	0
Sarikei	0	0	0	0	0	1
Meradong	0	0	0	0	0	1
Pakan	0	0	0	0	1	1
Julau	0	0	0	0	0	1
Daro	0	0	0	0	0	1
Dalat	0	0	0	0	0	0
Mukah	0	0	0	0	2	1
Sibu	0	0	0	0	1	6
Kanowit	0	0	0	0	3	1
Selangau	0	0	0	0	1	0
Song	0	0	0	0	0	2
Kapit	0	0	0	0	3	1
Belaga	0	0	0	0	4	0
Tatau	0	0	0	0	1	0
Bintulu	0	0	0	0	4	6
Miri	0	0	0	0	5	3
Marudi	0	0	0	0	1	2
Limbang	0	0	0	0	2	1
Lawas	0	0	0	0	0	0
<b>Total</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>52</b>	<b>49</b>

Note: ELISA = Enzyme-Linked Immunosorbent Assay; MAT = microscopic agglutination test

Total positive = ELISA (probable) + MAT (not included equivocal result)

2011: Number of cases will depend on which Epid week results are received

2010: Cases are subject to change as some of the of the blood results still pending

**Leptospirosis was gazetted as a notifiable disease mandated by under the Prevention and Control of Infectious Disease Act 1988 on 9<sup>th</sup> December 2010** (Surat Pekeliling Ketua Pengarah Kesihatan Malaysia Bil. 33/2010)

**5.4. Notified Melioidosis cases for Epid. Week 30, 2011 compared to Epid. Week 30, 2010 and cumulative cases till Epid. Week 30 in 2011.**

District	Blood test result				Total positive	
	Positive				2011	2010
	Culture		Serology			
	EW 30/2011	EW 30/2010	EW 30/2011	EW 30/2010		
Bau	0	0	0	0	0	0
Kuching	0	1	1	0	2	12
Samarahan	0	0	0	0	0	0
Simunjan	0	0	0	0	0	0
Serian	0	1	0	0	1	1
Sri Aman	0	0	0	0	1	0
Lubok Antu	0	0	0	0	1	0
Betong	0	0	0	0	0	2
Saratok	0	0	0	0	0	1
Sarikei	0	0	0	1	0	2
Meradong	0	0	0	0	0	2
Pakan	0	0	0	0	0	0
Julau	0	0	0	0	0	2
Dalat	0	0	0	0	0	1
Mukah	0	0	0	0	0	3
Sibu	0	0	0	0	0	5
Kanowit	0	0	0	0	0	1
Selangau	0	0	0	0	1	6
Song	0	0	0	0	0	7
Kapit	0	0	0	5	15	162
Belaga	0	0	2	0	10	28
Tatau	0	0	0	3	2	14
Bintulu	0	0	0	3	1	49
Miri	0	0	0	0	0	35
Marudi	0	0	0	0	0	7
Limbang	0	0	0	0	0	2
Lawas	0	0	0	0	0	1
Total	0	2	3	12	34	343

Note: EW = Epid. Week

District indicate source of infection based on patient's current place of residence or workplace.

2011: Number of cases will depend on which Epid. Week results are received

2010: Cases are subject to change as some of the blood results still pending

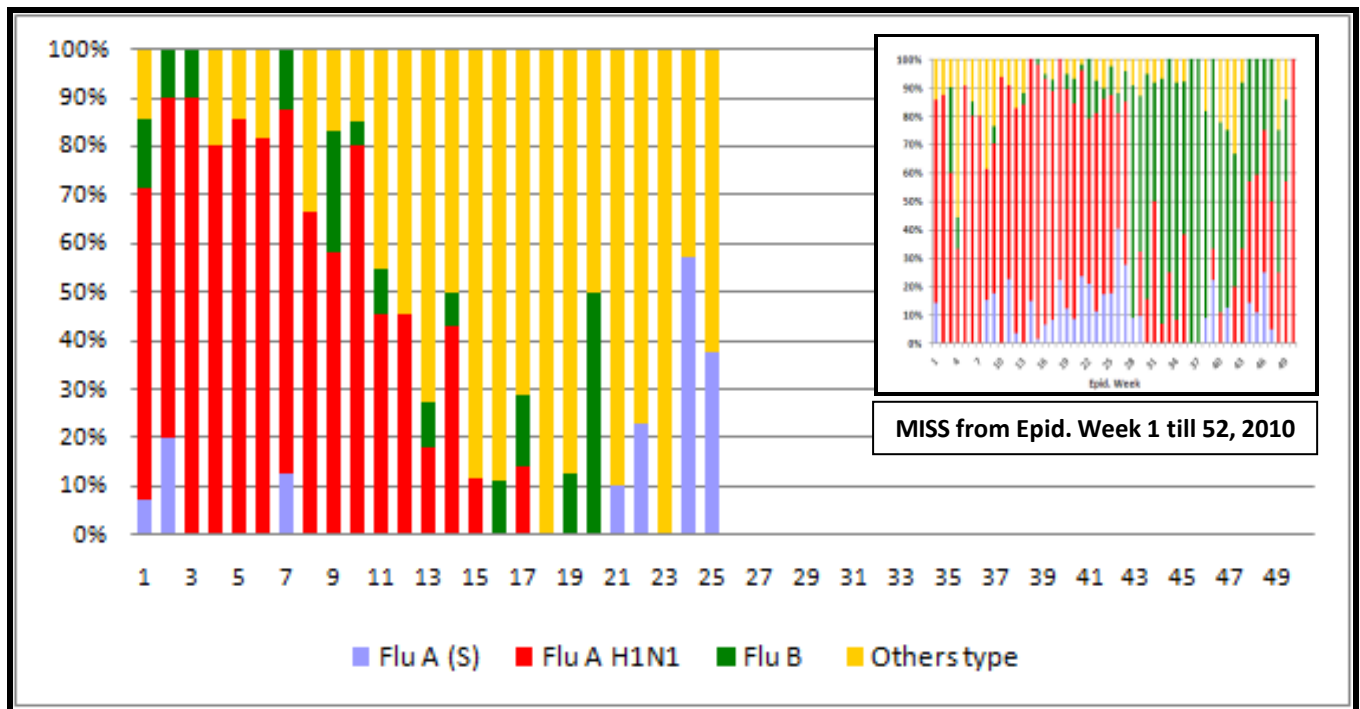
#### 5.4.1. Locality of melioidosis outbreak in Sarawak as at 30<sup>st</sup> July 2011.

No	District	Locality	Number of cases	Outbreak declared
1	Belaga	Bakun Hydroelectric Project	3	15/02/2011
2	Kapit	Iron Wall Logging Camp	3	21/01/2011

Note: District indicate source of infection based on patient's current place of residence or workplace.

## 6. LABORATORY BASED SURVEILLANCE

### 6.1. Malaysia Influenza Surveillance System (MISS) (not included Sabah\*) from Epid Week 1 till Epid Week 20, 2011 compare to Epid Week 1 till Epid Week 52, 2010 (inset)



\* specimen from Sabah were analysed at MKAK Kota Kinabalu

In Malaysia, as at Epid Week 29, 2011, a total of 2,194 throat swab specimens were analysed at MKAK Sungai Buloh. Of these, 255 specimens isolated various types of influenza virus i.e. virus Flu A H1N1 (98), Flu A (s) [21], Flu B (20), and other types of virus (116). Other viruses which are under category of others-type: Adenovirus (74), Paramyxovirus (14), RSV (1), Enterovirus (1) and other viruses (26).

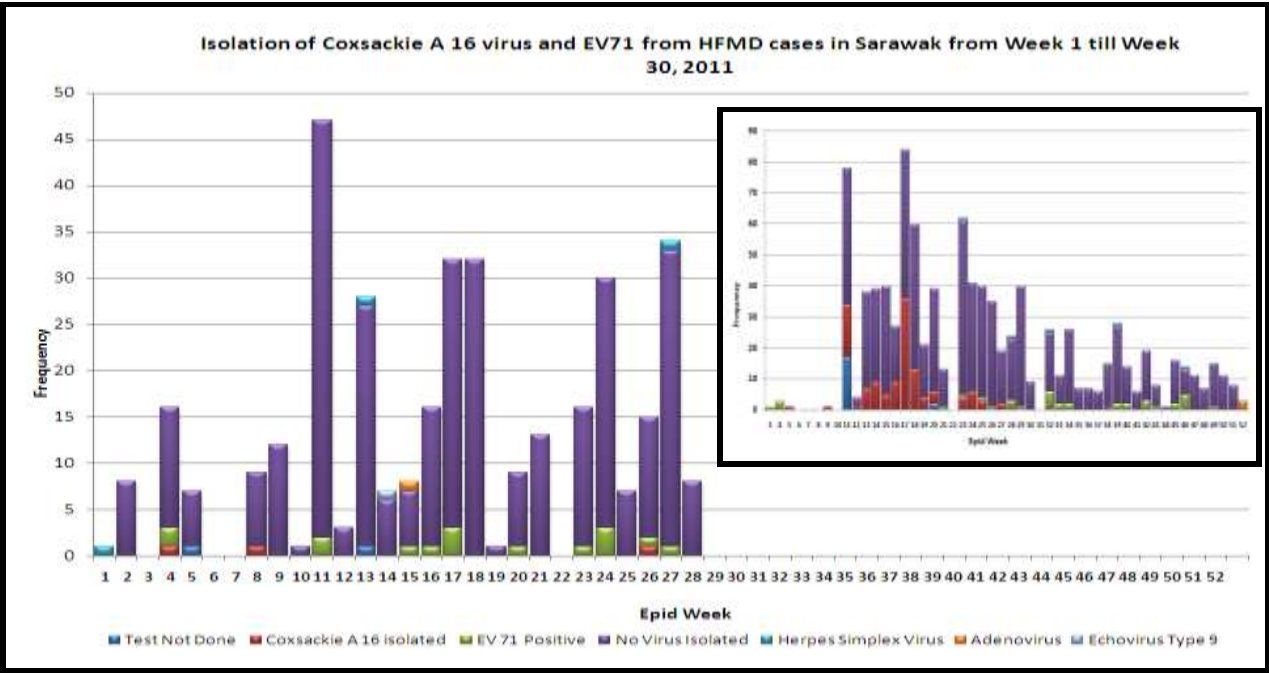
### 6.2. Laboratory Based Surveillance for Measles in Malaysia

In Malaysia, as at Epid. Week 29, 2011, a total of 2,122 serum specimens for serology test were sent to MKAK Sg. Buloh. Of these, 484 (23.0%) were positive for IgM Measles and 213 (13.2%) positive for Rubella.

A total of 1,931 specimens for viral isolation were sent to MKAK Sg. Buloh. Of these, 158 (7.8%) specimens positive for virus isolation: measles (31); rubella (115); herpes simplex virus 1 (2); and adenovirus (4).

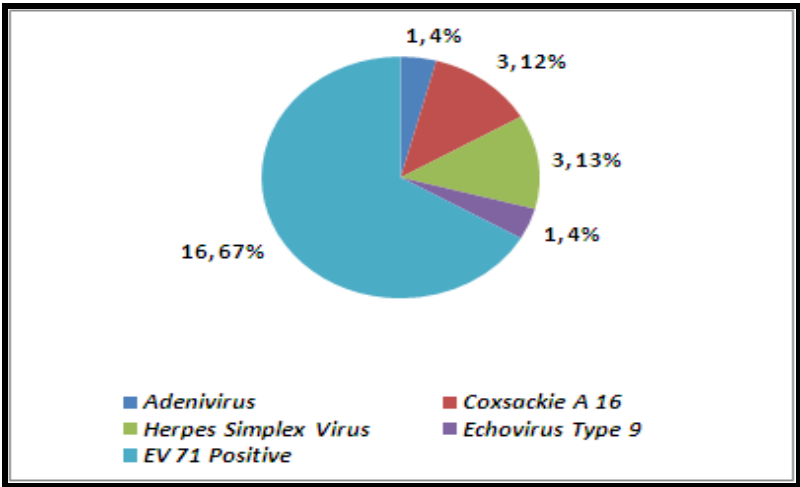
As at Epid Week 29, 2011, Sarawak had sent 136 specimens for serology test. Two specimens positive for measles IgM and 28 positive for rubella IgM. Only 12 specimens for measles viral isolation from Sarawak were sent to MKAK Sg. Buloh but so far none were positive.

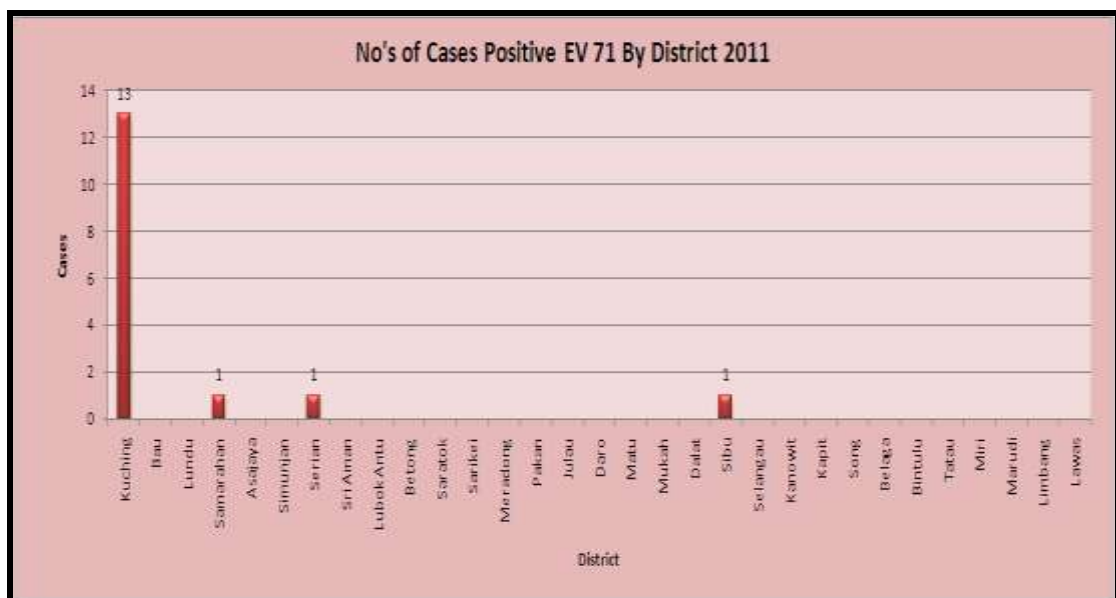
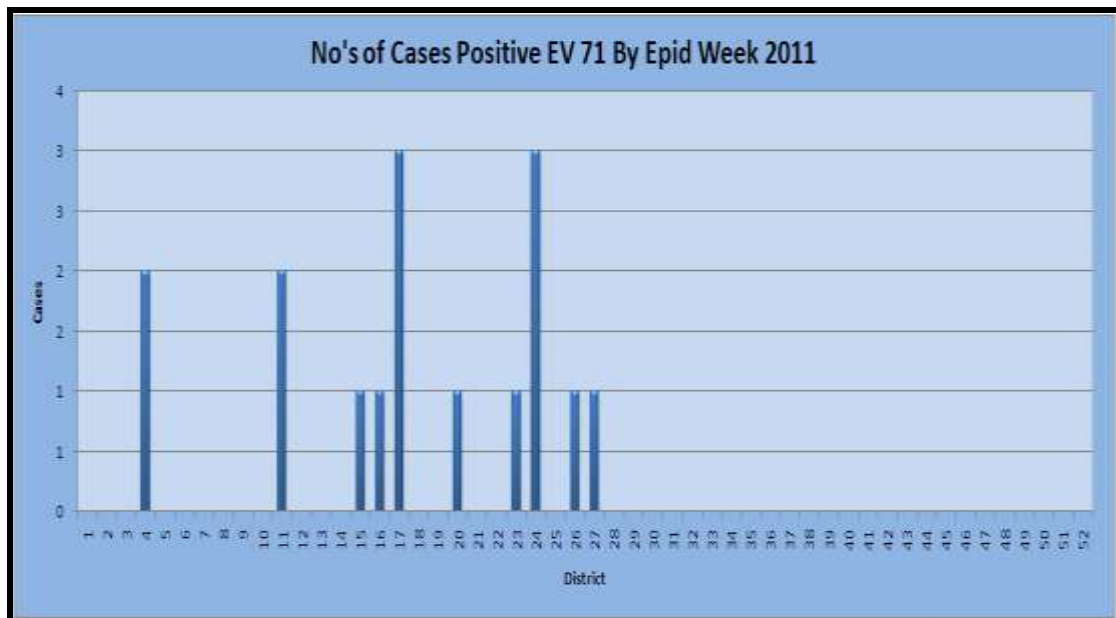
6.3. Laboratory Based Surveillance for HFMD in Sarawak from Epid Week 1 till Epid Week 30, 2011 compared to 2010 (inset).



In Malaysia, as at Epid. Week 29, 2011, a total of 922 specimens of HFMD were sent to MKAK Sg. Buloh for viral isolation. Out of these, 129 specimens isolated HFMD viruses: EV71 (33), Coxsackie A16 (86), Herpes Simplex (HSV 1) (6) and other viruses (4).

In Sarawak, as at Epid. Week 29, 2011, a total of 362 specimens were sent to MKAK Sg. Buloh for viral isolation. Of these, 24 specimens isolated viruses: EV71 (16), Coxsackie A16 (3), Herpes Simplex (HSV 1) [3] and other virus (2).







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**Note:**

1. The data may be subject to change. Any enquiries please call CDC Section, Sarawak Health Department.
2. Prepared by CPRC (Crisis Preparedness and Response Centre), Communicable Disease Control Section, Sarawak Health Department.
3. Any comments or new ideas Sarawak Weekly Epid News are greatly appreciated.

LIST OF NOTIFIABLE DISEASES				
First Schedule (Section 2), Prevention and Control Of Infectious Diseases Act, 1988 (Act 432)				
No.	Diseases	Notification		
		24 Hours	3 Days	1 Week
1	Chancroid			√
2	Cholera	√		
3	Dengue Fever and Dengue Haemorrhagic Fever	√		
4	Diphtheria	√		
5	Dysentery (All Types)			√
6	Ebola	√		
7	Food Poisoning	√		
8	Gonococcal Infections (All Forms)			√
9	Leprosy			√
10	Malaria		√	
11	Measles	√		
12	Hand, Foot and Mouth Disease	√		
13	Plague	√		
14	Poliomyelitis, Acute	√		
15	Rabies	√		
16	Relapsing Fever			√
17	Syphilis (All Forms)			√
18	Tetanus (All Forms)			√
19	Tuberculosis (All Forms)			√
20	Typhoid & Paratyphoid Fever			√
21	Typhus & Other Rickettsioses			√
22	Viral Encephalitis			√
23	Viral Hepatitis (All Forms)			√
24	Whooping Cough			√
25	Yellow Fever	√		
26	Any Other Life Threatening Microbial Infection			√
27	AIDS / HIV			√
28	Leptospirosis			√

Notes: 1) Leptospirosis was gazetted as a notifiable disease on 9<sup>th</sup> December 2010;

- 2) **All Malaria cases** should be notified within 3 days and as for **Sarawak to be notified within 24 hours** (Source: Vector Borne Disease Control Section, Sarawak Health Department)

Reporting and notifying of the above 28 infectious diseases is mandated by the Prevention and Control of Infectious Disease Act 1988. Every medical practitioner who treats or becomes aware of the existence of any infectious disease in any premises, with least practicable delay, shall notify to the nearest Medical Officer of Health as stipulated under this Act (First Schedule).

# ***PREVENTION AND CONTROL OF INFECTIOUS DISEASES ACT***

## **FIRST SCHEDULE**

[Section 2]

### **INFECTIOUS DISEASES**

#### **PART I**

1. Chancroid.
2. Cholera.
3. Dengue Fever and Dengue Haemorrhagic Fever.
4. Diphtheria.
5. Dysentries (All forms).
- 5A Ebola.
6. Food poisoning.
7. Gonococcal Infectious (All forms).
- 7A. Hand, Foot and Mouth Disease (HFMD).
8. Leprosy.
- 8A. Leptospirosis.
9. Malaria.
10. Measles.
- 10A. *Deleted.*
11. Plague.
12. Poliomyelitis (Acute).
13. Rabies.
14. Relapsing Fever.
15. Syphilis (All forms).
16. Tetanus (All forms).
17. Tuberculosis (All forms).
18. Typhoid and Paratyphoid Fevers.
19. Typhus and other Rickettsioses
20. Viral Encephalitis.
21. Viral Hepatitis.
22. Whooping Cough.
23. Yellow Fever.
24. Any other life threatening microbial infection.

#### **PART II**

**Human Immunodeficiency Virus Infection (All forms)**

## Appendix 2

The addresses and contact numbers of the Medical Officer of Health/Divisional Health Officers in Sarawak are listed below (as at 30<sup>th</sup> July 2011):

Bil	Jawatan / Nama	Alamat	Email	No. Hp
1	<b>Ketua Penolong Pengarah Kanan</b> Dr. Razitasham Binti Safii	Seksyen Kawalan Penyakit Berjangkit, Jabatan Kesihatan Negeri Sarawak	razitasham@srwk.moh.gov.my	Tel:082-421442 Fax: 082-234571
2	<b>Ketua Penolong Pengarah</b> Dr. Noorzilawati bt. Sahak	Seksyen Kawalan Penyakit Berjangkit, Jabatan Kesihatan Negeri Sarawak	drnoorzila@gmail.com	Tel: 082-246935
3	<b>Pegawai Kesihatan Bahagian Kuching</b> Dr. Kamarudin Lajim	Pejabat Kesihatan Bahagian, Bahagian Kuching, Jln Tun Ahmad Zaidi Adruce, 93250 Kuching	dhoshan@yahoo.com.sg kamarudinl@srwk.moh.gov.my	Tel:082 – 238635/257867 Fax:082-414542/250037 Hp:013-8014332
4	<b>Pegawai Kesihatan Bahagian Samarahan</b> Dr. Julaidah Sharip	Pejabat Kesihatan Bahagian, Bahagian Samarahan, Jln Datuk Muhammad Musa, 94300 Kota Samarahan	drjulaidah@yahoo.com	Tel:082-673626 Fax:082-673632 Hp:019-8270869
5	<b>Pegawai Kesihatan Bahagian Sri Aman</b> Dr. Murnihayati Binti Ali	Pejabat Kesihatan Bahagian, Bahagian Sri Aman, Tingkat 3, Wisma Persekutuan, Jln Hospital, 95007 Sri Aman	murnihayati_ali@yahoo.com	Tel:083-332176 Fax:083-322058 Hp:012-5066751
6	<b>Pegawai Kesihatan Bahagian Betong</b> Dr. Jeffery Stephen	Pejabat Kesihatan Bahagian, Bahagian Betong, KM 2 Jln Betong, 95700 Betong	endena90@yahoo.com stjeffery@srwk.moh.gov.my	Tel:083-472116 Fax:083-471870 Hp:019-8584053
7	<b>Pegawai Kesihatan Bahagian Sarikei</b> Dr. Hasrina Hassan	Pejabat Kesihatan Bahagian, Bahagian Sarikei, Tingkat 3, Wisma Persekutuan, 96100 Sarikei	hasrina.hassan@gmail.com	Tel:084-651077 Fax:084-654088 Hp:013-3403363
8	<b>Pegawai Kesihatan Bahagian Sibul</b> Dr. Muhamad Rais Bin Abdullah	Pejabat Kesihatan Bahagian, Bahagian Sibul, Tingkat 5, Wisma Persekutuan, Persiaran Brooke, 96000 Sibul	mdrais@srwk.moh.gov.my	Tel:084-315494 Fax:084-332502 Hp:017-8030839/019-
9	<b>Pegawai Kesihatan Bahagian Kapit</b> Dr. Ngian Hie Hung	Pejabat Kesihatan Bahagian, Bahagian Kapit, Tingkat 3, Wisma Persekutuan, 96800 Kapit	ngianhu@srwk.moh.gov.my ngianhu@yahoo.com	Tel:084-796404/084- Fax:084-798092 Hp:019-8199679
10	<b>Pegawai Kesihatan Bahagian Mukah</b> Dr. Hj Osman Bin Hj. Rafaie	Pejabat Kesihatan Bahagian, Bahagian Mukah, Jln Hj Muhammad Pauzi, 96400 Mukah	dho_10mukah@yahoo.com dho_mukah@yahoo.com	Tel:084-873301 Hp:013-8014700
11	<b>Pegawai Kesihatan Bahagian Bintulu</b> Dr. Abdul Rahim Bin Abdullah	Pejabat Kesihatan Bahagian, Bahagian Bintulu, Lebuhraya Abang Galau, 97000 Bintulu	dr.abdrahim@moh.gov.my dr.abdrahim@yahoo.com.my	Tel:086-331455 Fax:086-331814 Hp:019-7591956
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