



# SARAWAK

## WEEKLY EPID NEWS

Sarawak Health Department

WEEK 34

21<sup>st</sup> – 28<sup>th</sup> AUGUST 2011

### INFECTIOUS DISEASE/CRISIS HIGHLIGHTS IN SARAWAK

In Epid. Week 34, 2011, five HFMD clusters were reported to Sarawak Health Department, involving two kindergartens, primary school and one primary school. Three food poisoning outbreaks also reported in this week i.e Kg. Asajaya, Kota Samarahan (8 cases), Ulu Bukit Disso, Saratok (3 cases) and SMK Seri Patiambun, Limbang (45 cases).

On 29<sup>th</sup> August 2011, Ministry of Health had released an alert letter on Poliomyelitis in China. In the letter, WHO-IHR Focal Point reported that four cases were detected in district of Hetian, China. The virus was imported from Pakistan. Pakistan, India, Afghanistan and Nigeria are endemic country with wild polio virus.

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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	HFMD	Lundu	*SK Bumiputra, Lundu	15	04.08.2011
2		Bau	Kg. Senibong, Singai, Bau	2	23.08.2011
3		Bintulu	*Tadika Methodist Bintulu	6	16.08.2011
4			Tabika Perpaduan Bintulu, Bintulu	11	23.08.2011
5		Bintangor	Jln. Ming Hing, Sg. Mador, Bintangor	2	27.08.2011
6	Dengue	Sri Aman	Rh. Ajon, Sapa Ulu, Pantu	2	23.08.2011
7	Malaria	Belaga	Long Lua, Belaga	2 (Pv)	23.08.2011
8	Food Poisoning	Samarahan	Kg. Asajaya, Kota samarahan	8	22.08.2011
9		Saratok	Rh. Sandai ak Antil, Ulu Bukit Disso, Saratok	3	25.08.2011
10		Limbang	SMK Seri Patiambun, Limbang	45	23.08.2011

\*Late reporting to CPRC, Sarawak Health Department

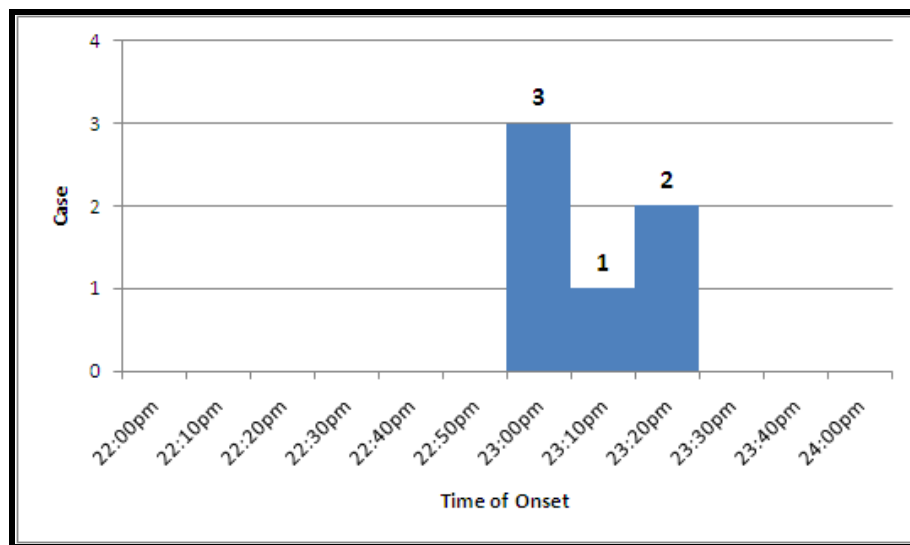
### 2.1. Preliminary report of food poisoning at Kg. Asajaya, Kota Samarahan.

A food poisoning outbreak was reported to PKB Kota Samarahan involving a family of eight on the 22<sup>nd</sup> August 2011@09:00am. Out of the eight family member, six (Male=3, Female=3) were affected, giving the attack rate as 75%. The cases age between 8 – 70 years old were presented with diarrhoea (100%), abdominal pain (100%) and fever (33.35%).

The suspected food was udang rebus taken during dinner at 6:00pm, 20th August 2011. Upon investigation and interviewed with the cases, the prawn was tested uncooked. The first onset was at 23:00 on 20<sup>th</sup> August 2011 and the last onset was at 23:20pm on the same day. The incubation period was within 5-6 hours.

Surface swab taken from all the cooking utensil, water tap and washing sink all were negative for *Salmonella spp.* and *Vibrio cholerae*.

## Epid. Curve:

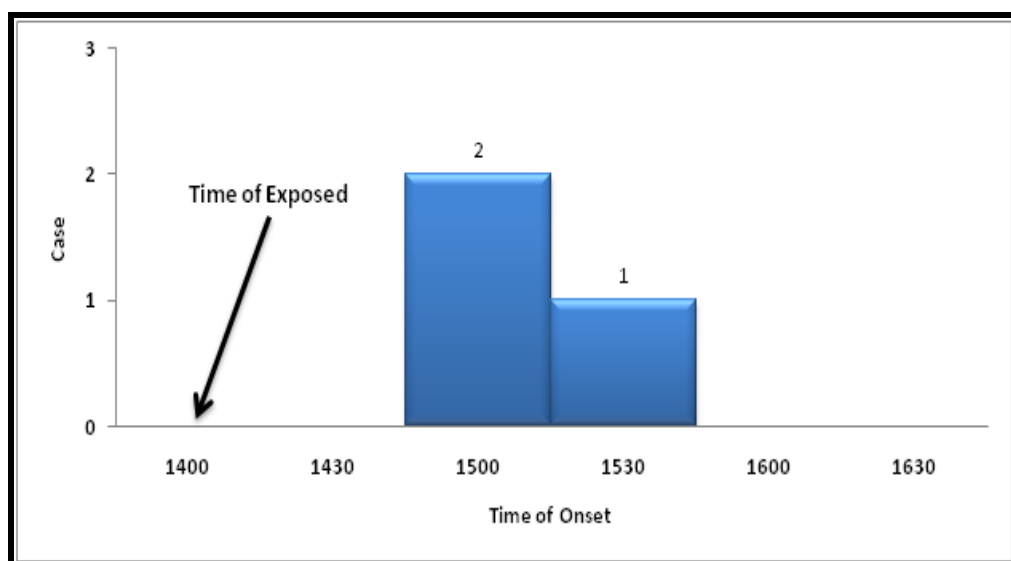


Epid. Curve Food Poisoning at Kampung Asajaya, Kota Samarahan

### 2.1. Preliminary report of mushroom poisoning at Ulu Bukit Disso, Saratok

A mushroom poisoning involved a family at Rh. Sandai ak Antil, Ulu Bukit Disso, Saratok was notified to Saratok District Health Office on 25<sup>th</sup> August 2011 at 6:00pm. This was the second mushroom poisoning reported in the same district this year.

The family with three members (age 50, 55 and 77 years) had lunch at 2:00pm on 25<sup>th</sup> August 2011. The menu was mushroom soup, wild ferns and rice. After an hour (3:00pm), all of them having headache, dizziness and vomiting.



Epid. Curve Mushroom Poisoning at Ulu Bukit Disso, Saratok

## **2.2. Preliminary report of food poisoning outbreak at SMK Seri Patiambun, Limbang**

A food poisoning outbreak at SMK Seri Patiambun, Limbang was notified to PKB Limbang on 23<sup>rd</sup> August 2011 at 11:45am. From 461 students, 45 were affected. This is the third food poisoning outbreak happened in this school this year.

Among the 45 students affected, (Male=1, Female=44) presented with diarrhoea (100%), abdominal pain (100%), headache (15.6%), nausea (8.99%) and vomiting (2.2%). The first onset was at 12:30pm, 22<sup>nd</sup> August 2011. The suspected meal was dinner served at 6:00pm, 22<sup>nd</sup> August 2011.

Surface swab was taken from sink, chopping board, knife and refrigerator for *E. coli* and *Salmonella spp.* culture. Results were still pending.

### 3. MANDATORY NOTIFIABLE DISEASES REPORTED IN EPID. WEEK 34, 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									1	9																	
Kuching						2					17		1		1				1								
Samarahan											1																
Asajaya																											
Simunjan											1																
Serian						1																					
Sri Aman						1					2		1														
L/ Antu											2																
Betong																											
Saratok						1				1																	
Sarikei											6																
Meradong											4																
Pakan/Julau						2					2																
Daro																											
Matu																											
Dalat																											
Mukah										2																	
Sibu						1				1	6								1								1
Kanowit																											
Selangau										1			1														
Song																											
Kapit													7														4
Belaga						1							5														
Tatau						1					1																
Bintulu										1	40																
Miri						6					8		1		2				1					1			
Marudi						1							12														
Limbang																											
Lawas						1																					
TOTAL (Week 34)	0/0	0	0	0	0	18	0	0	0	7	99	0	28	0	3	0	0	0	3	0	0	0	0	1	0	0	5
Total (2011)	74/58	0	0	252	0	672	9	0	931	275	1468	10	1162	29	139	0	0	0	97	1	1147	4	0	94	9	0	67
Total (2010)	141/113	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)	143/89	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**

No HIV or AIDS case reported in Epid. Week 34, 2011. The cumulative total HIV cases were remains 67 and all cases are adults. Out of these, 47 cases (70.2%) are male and 20 (29.8%) are female. The cumulative total AIDS cases were 34.

#### **3.1.2. Cholera**

No case reported in Epid. Week 34, 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 new suspected case reported in Epid. Week 34, 2011. The cumulative total of suspected dysentery cases were nine but only one case was confirmed to be *E. histolytica* from Simunjan district. The others were negative for microbiological analyses.

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

Three food poisoning outbreaks were reported in Epid. Week 34, 2011, involving a secondary school in Limbang district, one mushroom poisoning at Ulu Bukit Disso, Saratok and a family at Kampung Asajaya, Kota Samarahan. The cumulative total of food poisoning cases were 987 that consist of 33 outbreaks. Out of 33 outbreaks, 20 (62.5%) involved schools (9 primary; 11 secondary). SMK Sri Patiambun had three episodes of food poisoning outbreak.

#### **3.1.5. Gonorrhoea**

Seven new cases reported in Epid. Week 34, 2011. The case is from Kuching district. Out of a total of 275 cases reported, 274 were adults and only one was a gonococcal neonatorum.

#### **3.1.6. Leprosy**

No case reported in Epid. Week 34, 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 34, 2011. Out of the cumulative total of 29 suspected pertussis cases reported in 2011, four cases were confirmed by culture (SGH Kuching: 3; Miri: 1) and one case confirmed by PCR from Sibu hospital.

### **3.1.8. Measles**

Three suspected measles cases were reported in Epid. Week 34, 2011 from Miri(2) and Kuching(1) district.

The first case is a 15 years old Malay boy from Kuching, presented with fever and rash only and had received one dose of measles vaccination. Blood sample was taken and result is still pending.

The second case is a 4 years old Iban girl from Miri, notified on 24<sup>th</sup> August 2011 but no investigation reported received.

The third case is a 16 years old Malay boy, notified on 22<sup>nd</sup> August 2011 but no investigation report was received.

The cumulative total of suspected measles cases was 139. Of this, only one case was confirmed by positive IgM measles, that is a three months old baby girl from Serian, diagnosed and notified on the 19 February 2011 and one case was clinically confirmed, a 20 years old Malay male from Marudi, diagnosed and notified on 11 January 2011. Laboratory sample for this clinically confirmed case was taken but was not sent to MKAK Sungai Buluh.

### **3.1.9. Syphilis**

Three cases of syphilis were reported in Epid. Week 34, 2011. The cases are from Kuchig (1), Sibul (1) and Miri (1) districts. As on 28<sup>th</sup> August 2011, a cumulative total of 94 cases were reported in year 2011.

### **3.1.10. Tetanus**

No case reported in Epid. Week 34, 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 July 2011, there were 164 confirmed TB cases reported, bringing a cumulative total of 1,147 cases reported in 2011 compared to 1,689 total cases reported in year 2010.

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

No cases reported in Epid. Week 34, 2011. The cumulative total confirmed typhoid cases was three (two typhoid and one paratyphoid) which were confirmed by stool C&S test (2) and blood C&S (1).

### **3.1.13. Viral Hepatitis**

One Hepatitis B case was reported in Epid. Week 34, 2011.

This Hepatitis B case involved a 18 years old Iban male notified by Tudan Health Clinic, Miri. The cumulative total of Viral Hepatitis cases reported was 94. Of these, 46 cases were Hepatitis B

where 12 were acute and 34 were chronic. Another 48 cases were Hepatitis C where 16 cases were acute and 32 were chronic.

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

No case reported in Epid. Week 34, 2011. The cumulative total of viral encephalitis cases were nine. Of this, 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.**

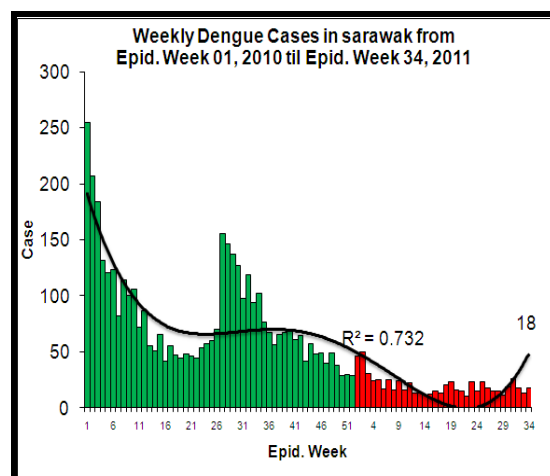


#### 4. VECTOR BORNE DISEASES: DENGUE, MALARIA AND CHIKUNGUNYA

##### 4.1. Notified Dengue cases for Epid. Week 34, 2011 compared to Epid. Week 34, 2010 and cumulative cases till Epid. Week 34 in 2010.

District	2011		2010		Total
	EW 34	Cum.	EW 34	Cum.	
Lundu	0	9	3	50	69
Bau	0	19	3	93	123
Kuching	2	77	13	368	473
Samarahan	0	15	3	78	97
Asajaya	0	4	2	9	10
Serian	1	12	2	119	140
Simunjan	0	9	2	41	47
Sri Aman	1	35	6	69	96
Lubok Antu	0	16	2	36	53
Betong	0	10	0	22	30
Saratok	1	5	0	18	20
Sarikei	0	16	4	73	91
Meradong	0	10	0	47	53
Pakan	1	13	1	21	30
Julau	1	11	0	14	20
Daro	0	6	7	63	95
Matu	0	1	0	24	25
Dalat	0	2	0	8	14
Mukah	0	4	3	28	39
Sibu	1	53	25	805	1021
Kanowit	0	22	3	43	64
Selangau	0	7	1	15	32
Song	0	10	0	10	16
Kapit	0	27	3	129	158
Belaga	1	20	0	22	39
Tatau	1	31	1	25	40
Bintulu	0	84	5	176	237
Miri	6	84	11	672	816
Marudi	1	40	1	100	126
Limbang	0	14	1	101	131
Lawas	1	6	0	22	35
Sarawak	18	672	102	3301	4240

EW = Epid. Week



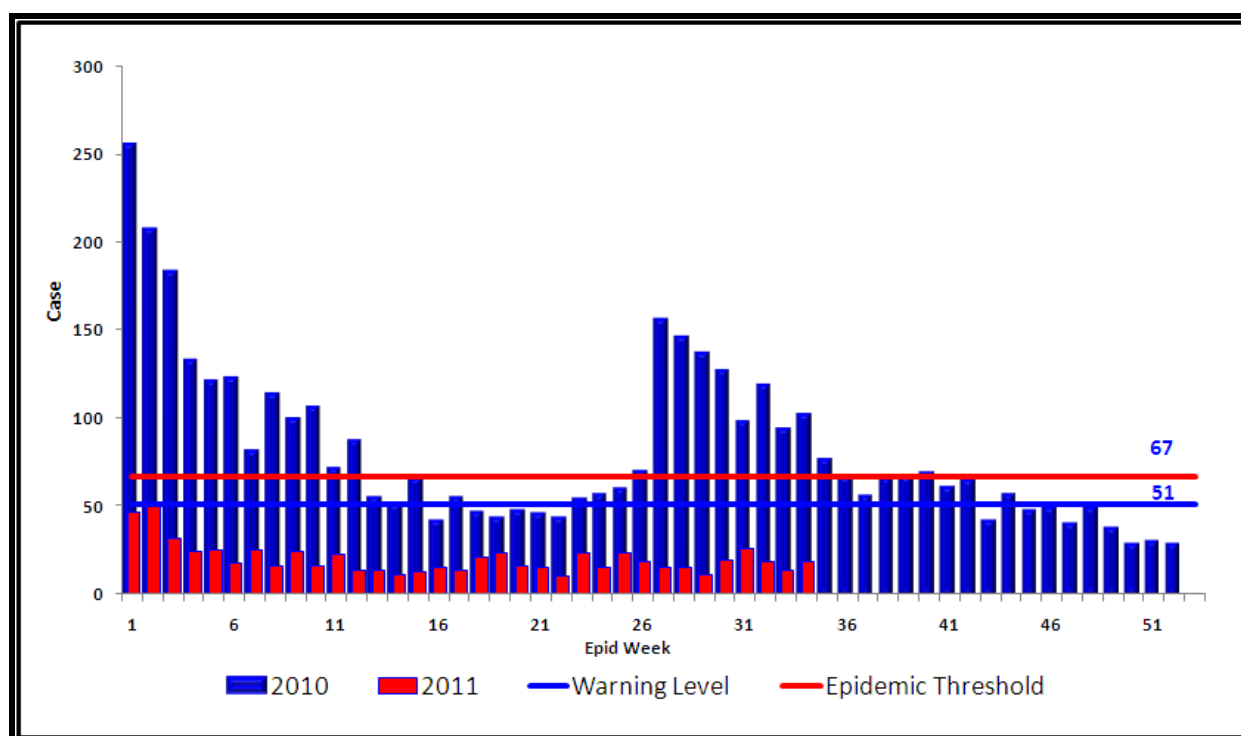
A total of 18 dengue cases were reported for Epid Week 34, 2011 as compared to 102 cases during the same period in 2010. There is an increase of five cases from the previous Epid. Week.

**Two outbreak localities are still active; in Kanowit and Sri Aman. No uncontrolled outbreak is reported.**

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

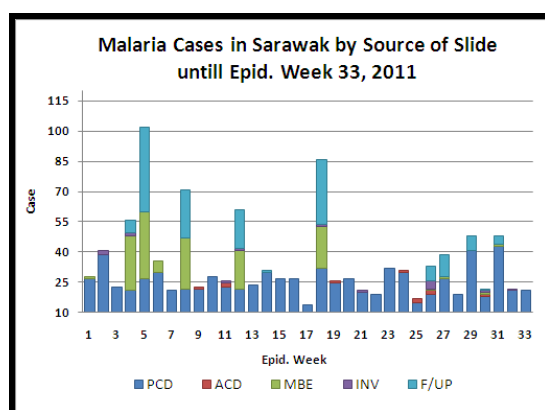
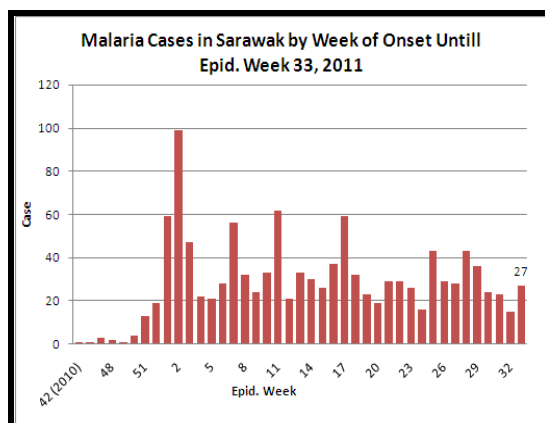
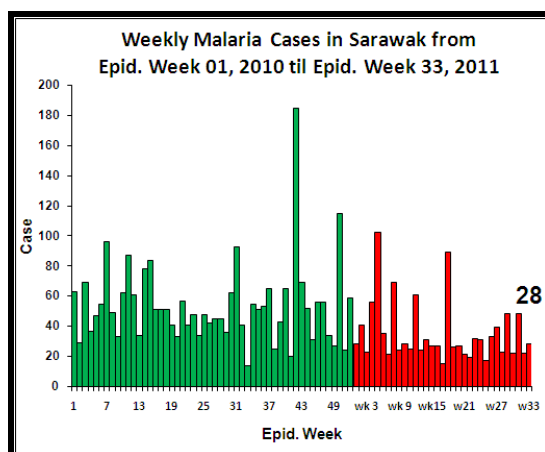
1. Bintulu
2. Miri
3. Kuching
4. Sibu
5. Marudi

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



**4.2. Notified Malaria cases for Epid. Week 33, 2011 compared to Epid. Week 33, 2010 and cumulative cases till Epid. Week 33 in 2011.**

District	2011		2010		Total
	EW 33	Cum.	EW 33	Cum.	
Lundu	0	25	0	62	72
Bau	0	3	0	8	9
Kuching	1	13	0	15	27
Samarahan	0	2	0	0	2
Asajaya	0	0	0	0	0
Simunjan	0	2	0	16	17
Serian	0	16	2	50	58
Sri Aman	1	9	0	16	25
Lubok Antu	0	13	0	14	16
Betong	0	26	0	8	15
Saratok	0	1	0	3	4
Sarikei	0	15	0	4	8
Meradong	0	8	0	1	3
Pakan	0	16	1	11	14
Julau	0	47	0	22	34
Daro	0	1	0	0	1
Matu	0	0	0	0	1
Dalat	0	8	0	11	14
Mukah	0	2	0	5	6
Sibu	0	27	0	28	43
Kanowit	0	56	1	40	65
Selangau	1	10	1	6	9
Song	0	43	0	30	46
Kapit	7	142	1	78	134
Belaga	5	89	1	239	300
Tatau	0	19	0	9	12
Bintulu	0	30	0	17	39
Miri	1	21	0	17	32
Marudi	12	481	5	956	1734
Limbang	0	12	0	27	29
Lawas	0	25	2	24	33
Sarawak	28	1162	14	1717	2802



A total of 28 cases were reported on Epid. Week 33, 2011. Cumulative cases till Epid. Week 33 was 1162 cases. Of the 1162 cases, 481 cases (41.4%) from Marudi District, 142 cases (12.2%) from Kapit District and 89 cases (7.6%) 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 33	Epid. Week 1 – Epid. Week 33
Passive Case Detection (PCD)	21	837
Active Case Detection (ACD)	0	9
Investigation slides ( INV)	0	12
Mass Blood Survey (MBS)	7	151
Follow-up	0	153
<b>Total</b>	<b>28</b>	<b>1162</b>

#### 4.2.2. Cases by species

Species	Epid. Week 33	Epid. Week 1 – Epid. Week 33
<i>Plasmodium vivax</i>	15	668
<i>Plasmodium falciparum</i>	1	61
<i>Plasmodium malariae</i> <sup>#</sup>	6	236
<i>Plasmodium knowlesi</i>	6	194
<i>Plasmodium ovale</i>	0	0
Mixed infection	0	3
<b>Total</b>	<b>28</b>	<b>1162</b>

Notes: # May include *Plasmodium knowlesi*

#### 4.2.3. Cases classification

Classification	Epid. Week 33	Epid. Week 1 – Epid. Week 33
Indigenous	21	900
*Imported A	6	147
Relapsed	1	114
Congenital	0	1
<b>Total</b>	<b>28</b>	<b>1162</b>

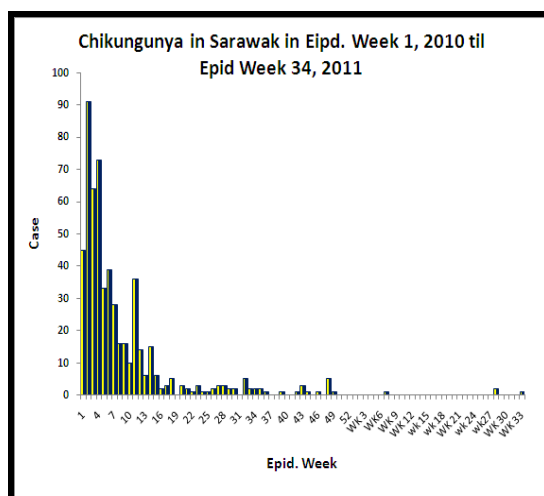
#### 4.2.4. The source of infection of the \*Imported A cases and the species involved.

No.	District reported	Source of infection	Case (No.)	Species
1	Miri	Jawa Tengah, Kalimantan, Indonesia	1	<i>P. falciparum</i>
2	Marudi	Papua New Guinea	1	<i>P. vivax</i>
3	Kapit	Papua New Guinea	1	<i>P. vivax</i>
4	Kuching	Pakistan	1	<i>P. vivax</i>
5	Belaga	Papua New Guinea	1	<i>P. vivax</i>

**4.3. Notified Chikungunya cases for Epid. Week 34, 2011 compared to Epid. Week 34, 2010 and cumulative cases till Epid. Week 34 in 2010.**

District	2011		2010		
	EW 34	Cum.	EW 34	Cum.	Total
Lundu	0	0	0	1	1
Bau	0	0	0	11	13
Kuching	0	1	0	72	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	25	25
Pakan	0	0	0	10	10
Julau	0	0	0	22	22
Daro	0	0	1	20	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	0	60	67
Belaga	0	0	1	77	78
Tatau	0	0	0	6	6
Bintulu	0	0	0	44	44
Miri	0	0	0	13	13
Marudi	0	1	0	0	0
Limbang	0	0	0	0	0
Lawas	0	0	0	0	0
Sarawak	0	4	2	534	550

EW = Epid Week



No case of Chikungunya was reported in Epid. Week 34, 2011. During the same period in 2010, two cases were reported. The cumulative cases of Chikungunya for 2011 remained four cases.

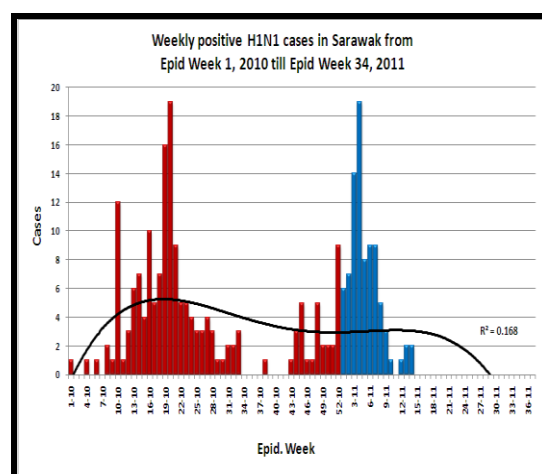
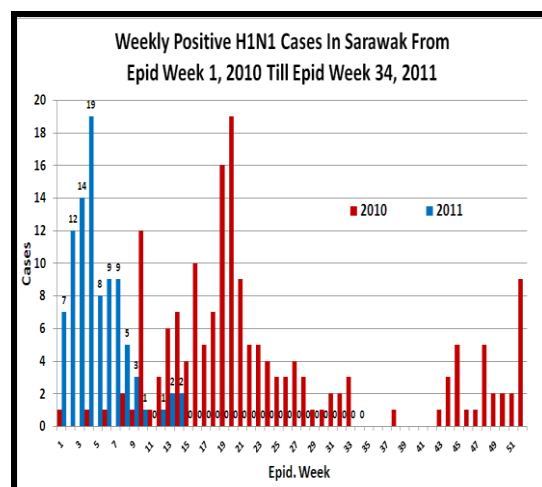
## 5. EMERGING/RE-EMERGING INFECTIOUS AND ZONOTIC DISEASES

### 5.1. H1N1

**5.1.1 Positive Pandemic Influenza A (H1N1) cases for Epid. Week 34, 2011 compared to Epid. Week 34, 2010 and cumulative cases till Epid. Week 34 in 2011.**

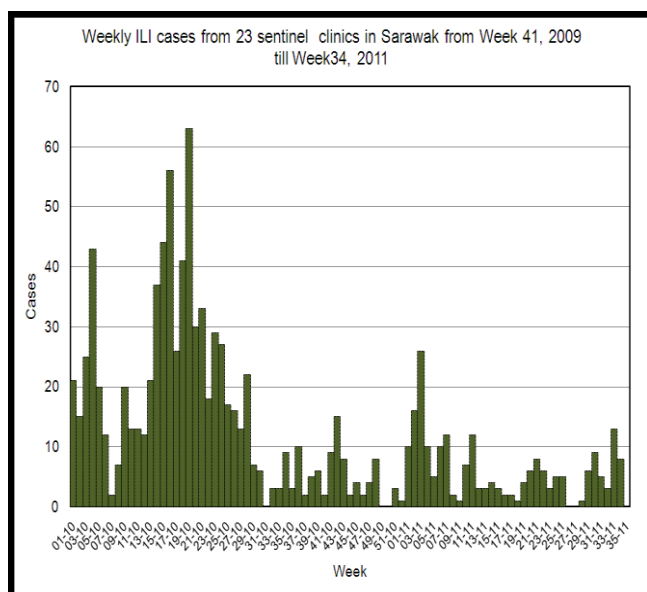
District	2011		2010		Total
	EW 34	Cum.	EW 34	Cum.	
Lundu	0	1	0	8	9
Bau	0	0	0	1	1
Kuching	0	51	0	42	61
Samarahan	0	0	0	8	8
Simunjan	0	0	0	3	4
Serian	0	0	0	2	2
Sri Aman	0	0	0	4	4
Lubok Antu	0	0	0	0	0
Betong	0	1	0	0	0
Saratok	0	0	0	0	0
Sarikei	0	0	0	2	2
Meradong	0	0	0	0	0
Julau	0	0	0	0	0
Daro	0	0	0	0	0
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	16	19
Miri	0	6	0	7	7
Marudi	0	0	0	1	1
Limbang	0	2	0	20	20
Lawas	0	1	0	2	2
<b>TOTAL</b>	<b>0</b>	<b>92</b>	<b>0</b>	<b>137</b>	<b>161</b>

EW = Epid. Week



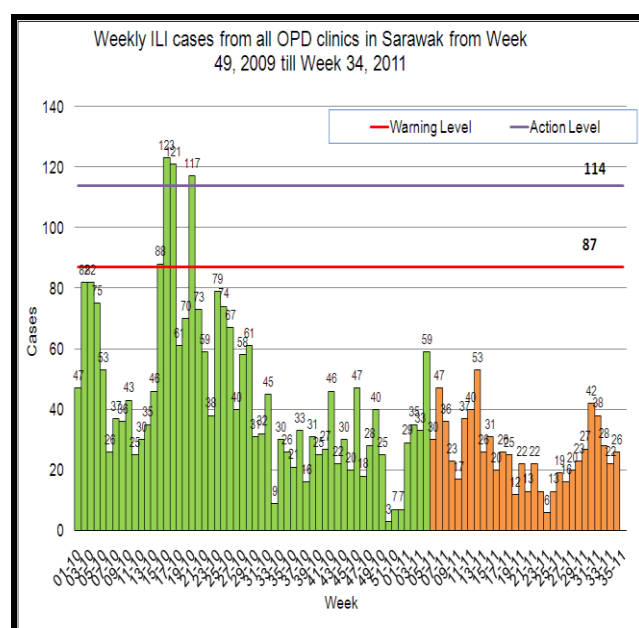
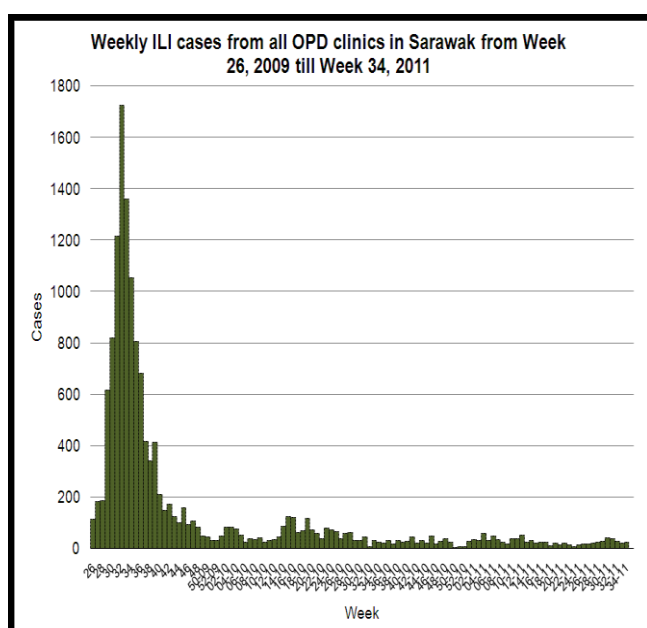
No H1N1 positive case was reported in Epid. Week 34, 2011. The cumulative total cases in 2011 were 92 cases compared to 137 cases reported during the same period in 2010.

### 5.1.2 Outpatient Influenza-Like Illness (ILI) Surveillance from Epid. Week 25 in 2009 till Epid. Week 34 in 2011.



In Epid. Week 34, 2011, eight ILI case reported from the 23 Sentinel clinics and all OPD clinics. This show a decreasing 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**.

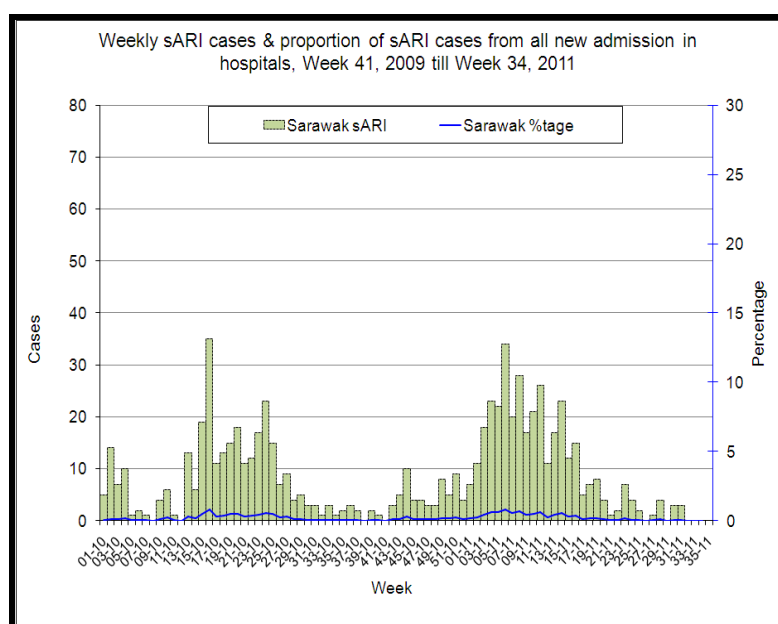


### 5.1.3. New and Cumulative ILI Clusters as of 28<sup>th</sup> August 2011.

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 28<sup>th</sup> August 2011.

Division	Hospital	New EW 34	Cumulative 2011	No. of Inpatient			No. of Patient on Ventilator	Throat swabs		
				ICU	ISO	Other wards		Positive	Pending	Negative
Kuching	SGH Kuching	0	161	0	0	0	0	0	0	0
	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
<b>Total</b>		<b>0</b>	<b>452</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

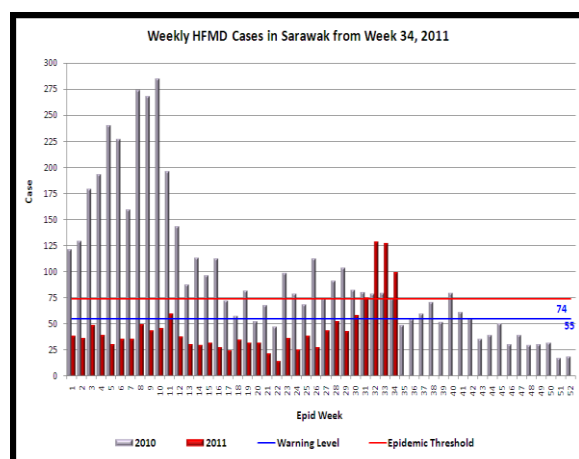
EW = Epid. Week

No sARI admission reported in Epid. Week 34, 2011.

**5.2. Notified HFMD cases for Epid. Week 34, 2011 compared to Epid. Week 34, 2010 and cumulative cases till Epid. Week 34 in 2011.**

District	2011		2010		Total 2010
	EW 34	Cum.	EW 34	Cum.	
Kuching	17	233	14	864	961
Bau	9	53	2	200	209
Lundu	0	19	0	66	86
<b>KUCHING</b>	<b>26</b>	<b>305</b>	<b>16</b>	<b>1130</b>	<b>1256</b>
Samarahan	1	52	1	125	127
Asajaya	0	23	0	3	7
Simunjan	1	3	0	30	37
Serian	0	13	0	24	25
<b>SAMARAHAN</b>	<b>2</b>	<b>91</b>	<b>1</b>	<b>182</b>	<b>196</b>
Sri Aman	2	56	3	129	145
Lubok Antu	2	10	0	20	23
<b>SRI AMAN</b>	<b>4</b>	<b>66</b>	<b>3</b>	<b>149</b>	<b>168</b>
Betong	0	29	2	71	103
Saratok	0	26	0	38	38
<b>BETONG</b>	<b>0</b>	<b>55</b>	<b>2</b>	<b>109</b>	<b>141</b>
Sarikei	6	109	0	198	206
Meradong	4	28	0	50	55
Pakan	0	4	0	37	37
Julau	2	6	0	21	24
<b>SARIKEI</b>	<b>12</b>	<b>147</b>	<b>0</b>	<b>306</b>	<b>322</b>
Daro	0	0	0	23	24
Matu	0	0	0	19	20
Mukah	0	36	10	226	259
Dalat	0	16	3	105	108
<b>MUKAH</b>	<b>0</b>	<b>52</b>	<b>13</b>	<b>373</b>	<b>411</b>
Sibu	6	72	7	437	517
Selangau	0	5	0	7	17
Kanowit	0	19	0	44	44
<b>SIBU</b>	<b>6</b>	<b>96</b>	<b>7</b>	<b>488</b>	<b>578</b>
Kapit	0	49	0	104	116
Song	0	10	0	26	29
Belaga	0	5	0	10	10
<b>KAPIT</b>	<b>0</b>	<b>64</b>	<b>0</b>	<b>140</b>	<b>155</b>
Bintulu	40	381	5	444	629
Tatau	1	20	0	14	28
<b>BINTULU</b>	<b>41</b>	<b>401</b>	<b>5</b>	<b>458</b>	<b>657</b>
Miri	8	140	20	686	911
Marudi	0	40	3	89	105
<b>MIRI</b>	<b>8</b>	<b>180</b>	<b>23</b>	<b>775</b>	<b>1016</b>
Limbang	0	8	0	54	54
Lawas	0	3	4	51	56
<b>LIMBANG</b>	<b>0</b>	<b>11</b>	<b>4</b>	<b>105</b>	<b>110</b>
<b>SARAWAK</b>	<b>99</b>	<b>1468</b>	<b>74</b>	<b>4215</b>	<b>5010</b>

**EW = Epid. Week**

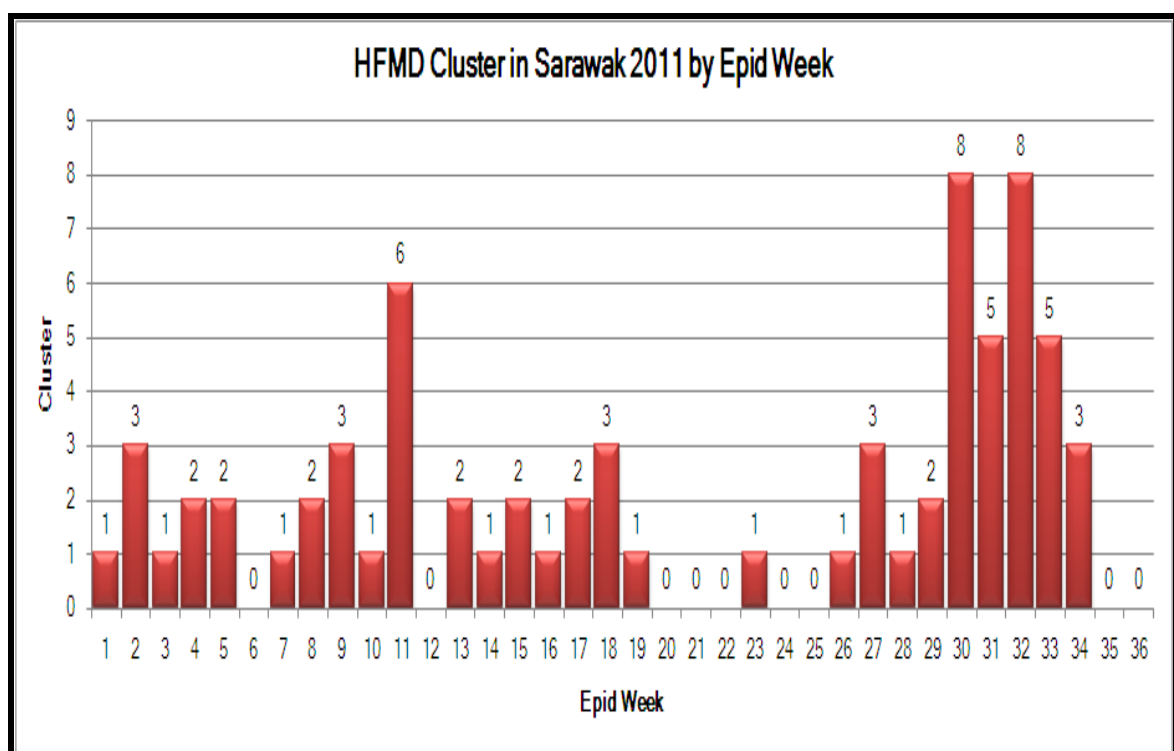
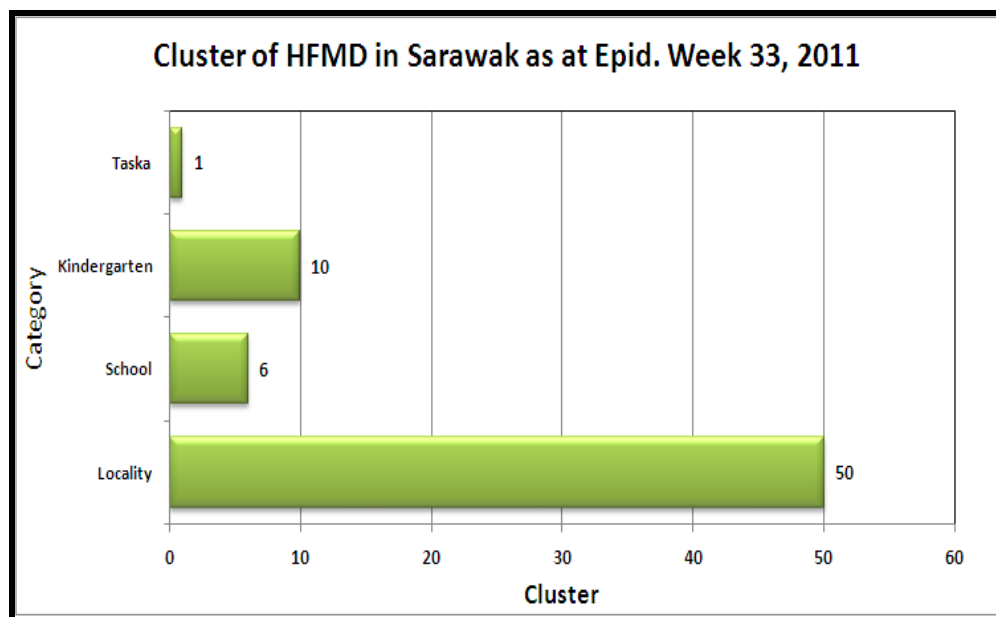


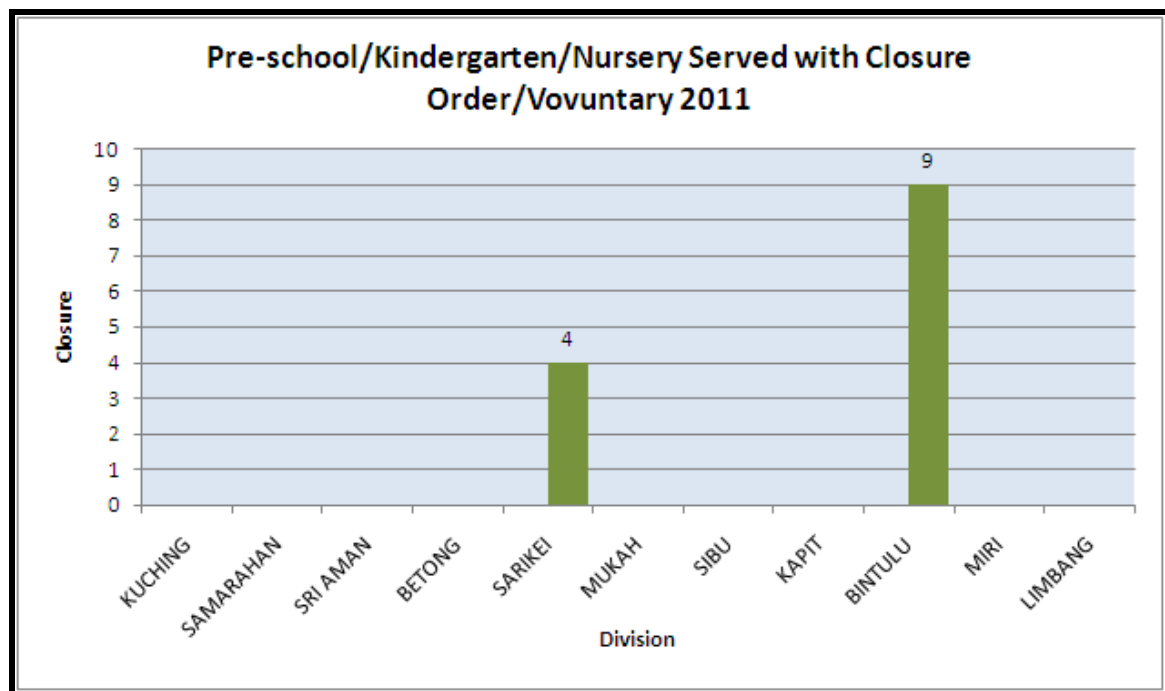
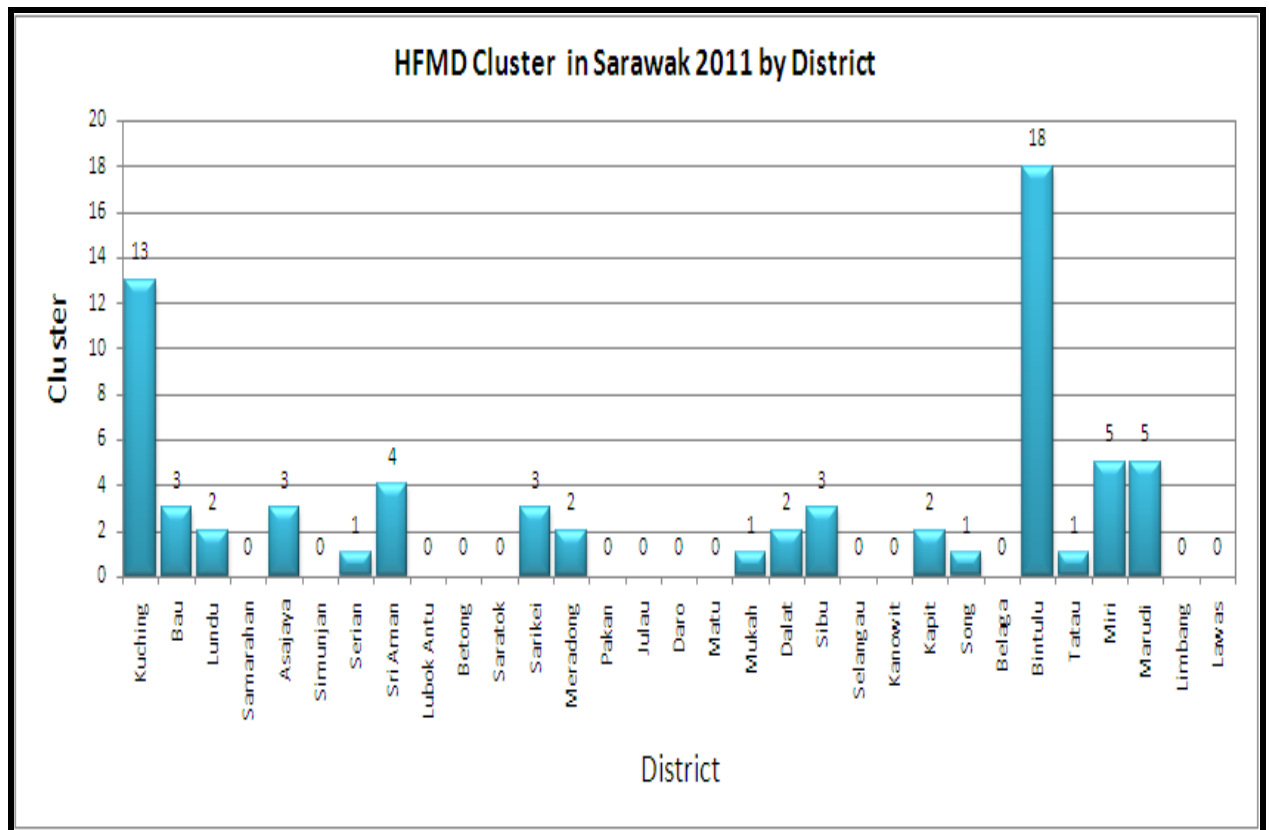
A total of 99 cases reported in Epid. Week 34, 2011. This was an increase of 10 cases from Epid. Week 33, 2011. A cumulative total of 1,468 cases reported compared to 4,215 cases during the same period in 2010.

### 5.2.1. Cumulative HFMD Clusters as of 28<sup>th</sup> August 2011.

Three HFMD clusters reported in Epid. Week 34, 2011 involved two family clusters at Bau and Bintangor district and one kindergarten at Bintulu district.

As at 28<sup>th</sup> August 2011, a total of 71 clusters reported. Of these, 50 (70.42%) were family cluster, 10 (14.08%) were cluster in kindergarten, 6 (4.45%) were in school and one (1.40%) was in taska or day care centre.





**5.3. Notified Leptospirosis cases for Epid. Week 34, 2011 compared to Epid. Week 34, 2010 and cumulative cases till Epid. Week 34 in 2011.**

District	Case classification (positive)				Total positive leptospirosis	
	Confirmed		Probable		2011	2010
	EW 34/2011	EW 34/2010	EW 34/2011	EW 34/2010		
Lundu	0	0	0	0	0	0
Bau	0	0	0	0	0	1
Kuching	0	0	0	0	10	12
Samarahan	0	0	0	0	1	1
Asajaya	0	0	0	0	1	0
Serian	0	0	0	0	3	2
Simunjan	0	0	0	0	2	1
Sri Aman	0	0	0	0	7	1
Lubok Antu	0	0	0	0	5	3
Betong	0	0	0	0	3	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	1	1
Dalat	0	0	0	0	0	0
Mukah	0	0	0	0	2	1
Sibu	1	0	0	0	2	6
Kanowit	0	0	0	0	2	1
Selangau	0	0	0	0	2	0
Song	0	0	0	0	0	2
Kapit	3	0	1	0	7	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	1	1	2
Limbang	0	0	0	0	2	1
Lawas	0	0	0	0	0	0
<b>Total</b>	<b>4</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>67</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

**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 34, 2011 compared to Epid. Week 34, 2010 and cumulative cases till Epid. Week 34 in 2011.**

District	Blood test result				Total positive	
	Positive				2011	2010
	Culture		Serology			
	EW 34/2011	EW 34/2010	EW 34/2011	EW 34/2010		
Bau	0	0	0	0	0	0
Kuching	0	0	0	0	2	12
Samarahan	0	0	0	0	0	0
Simunjan	0	0	0	0	0	0
Serian	0	0	0	0	1	1
Sri Aman	0	0	2	0	3	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	0	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	2	0	2	3
Sibu	0	0	0	0	1	5
Kanowit	0	0	0	1	0	1
Selangau	0	0	1	0	2	6
Song	0	0	0	0	1	7
Kapit	0	0	5	4	42	162
Belaga	1	0	1	3	18	28
Tatau	0	0	0	2	3	14
Bintulu	0	0	2	5	4	49
Miri	0	0	2	11	3	35
Marudi	0	0	0	0	0	7
Limbang	0	0	0	0	0	2
Lawas	0	0	0	0	0	1
Total	1	0	14	26	82	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.

**5.4.1. Locality of melioidosis outbreak in Sarawak as at 28<sup>th</sup> August 2011.**

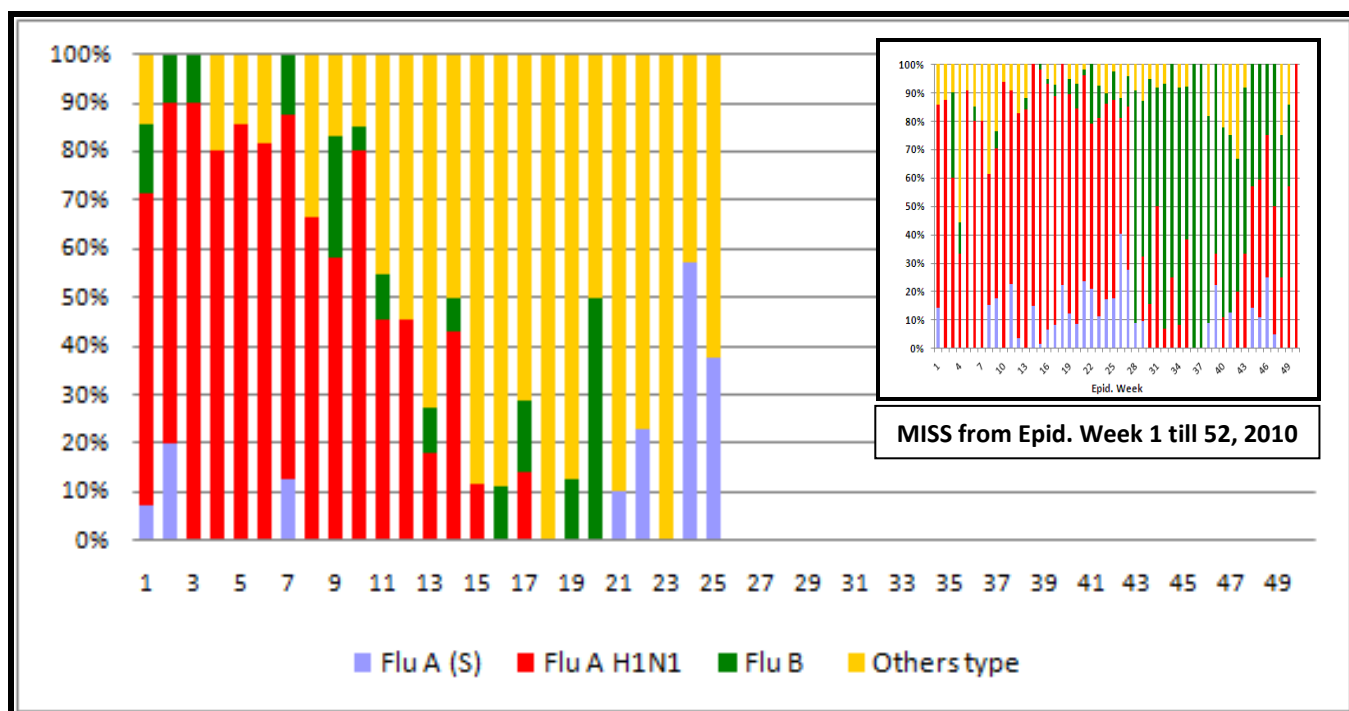
No	District	Locality	Number of cases	Outbreak declared
1	Belaga	Bakun Hydroelectric Project	3	15/02/2011
2	Kapit	Iron Wall Logging Camp	3	21/01/2011

**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 25, 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).

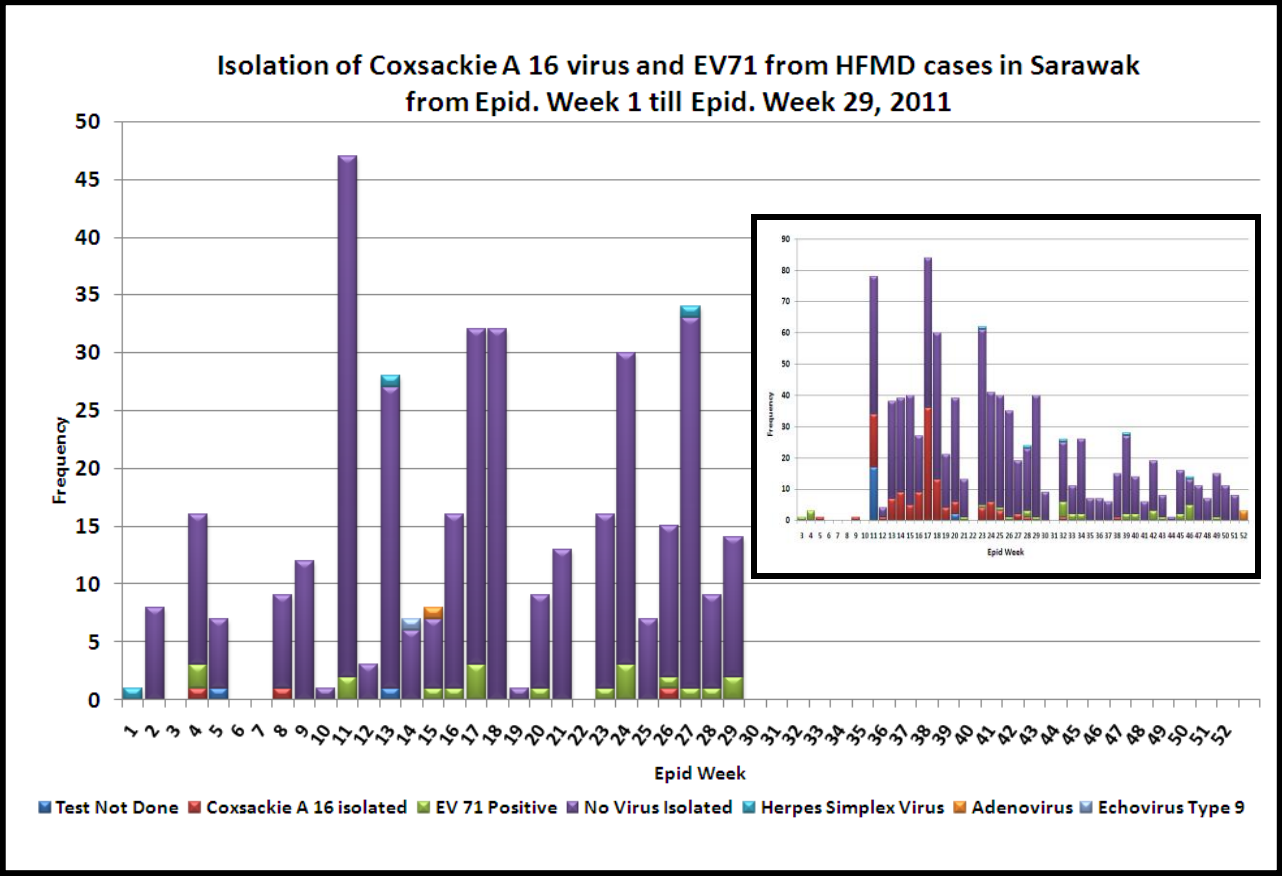
### 6.2. Laboratory Based Surveillance for Measles in Malaysia

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).

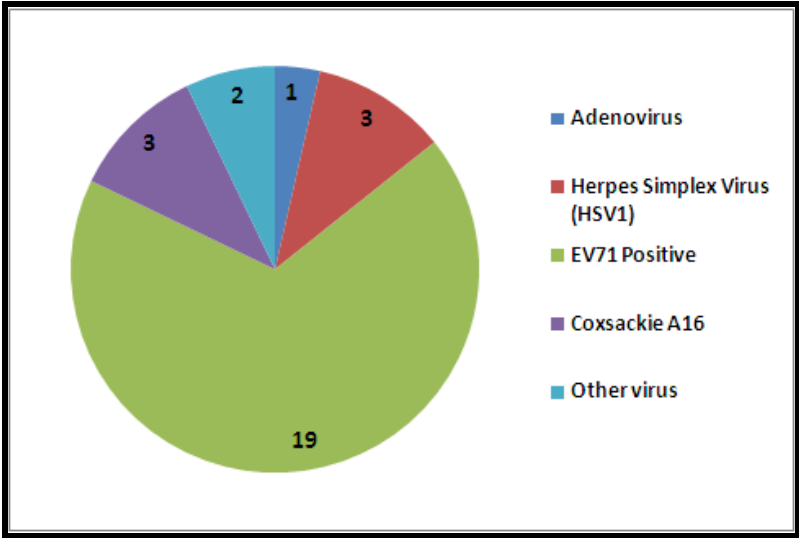
As at Epid Week 29, 2011, Sarawak had sent 136 specimens for serology test. Two specimens positive for measles IgM and 28 positive for rubella IgM. Only 12 specimens for measles viral isolation from Sarawak were sent to MKAK Sg. Buloh but so far none were positive.

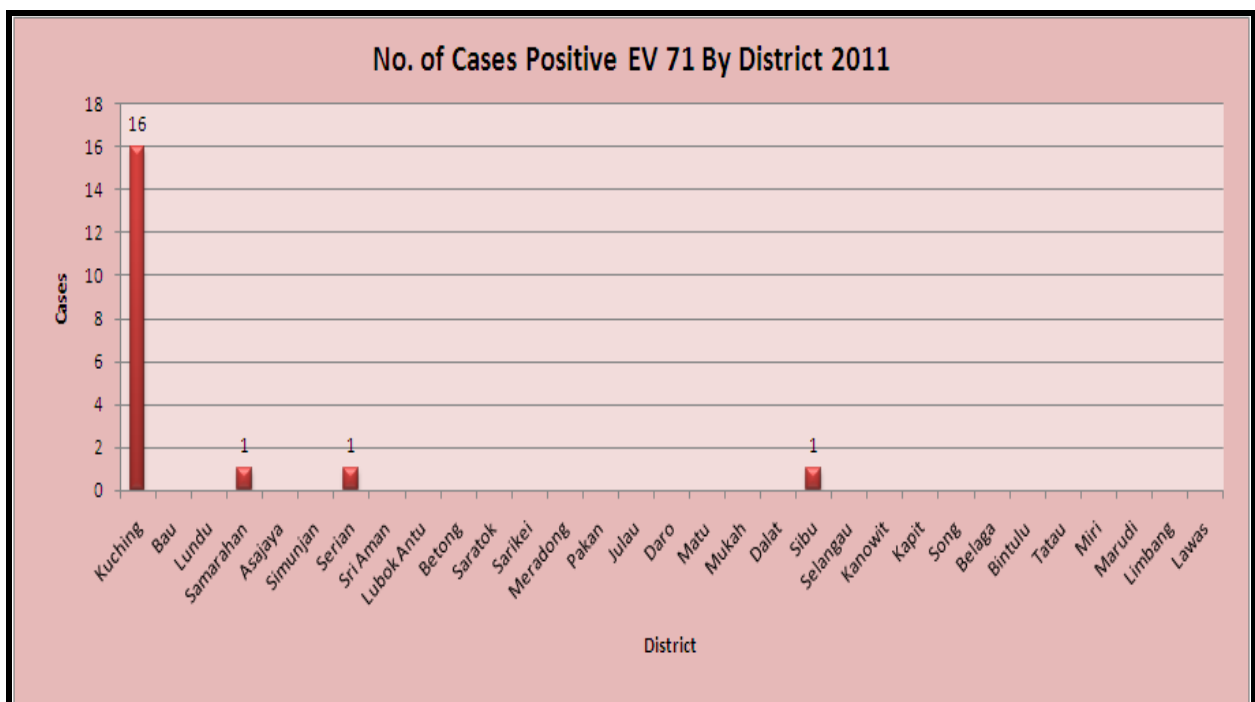
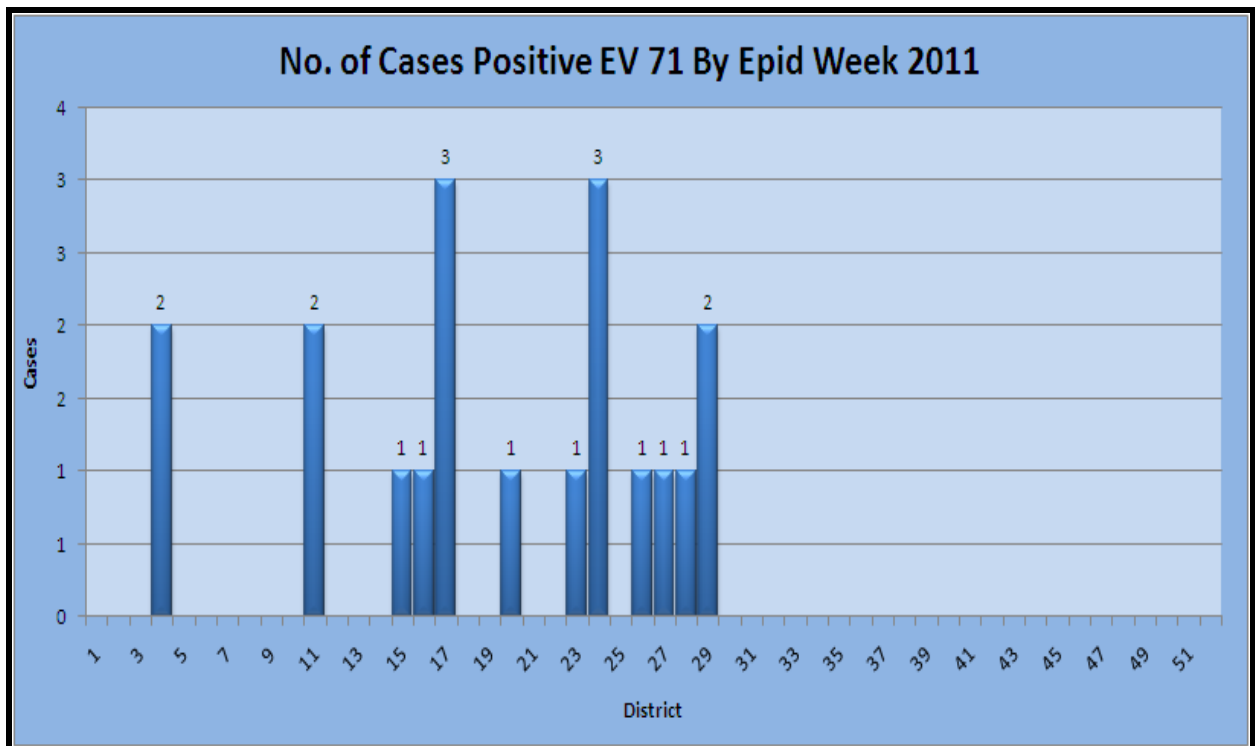
6.3. Laboratory Based Surveillance for HFMD in Sarawak from Epid Week 1 till Epid Week 34, 2011 compared to 2010 (inset).



In Malaysia, as at Epid. Week 31, 2011, a total of 1,090 specimens of HFMD were sent to MKAK Sg. Buloh for viral isolation. Out of these, 160 specimens isolated HFMD viruses: EV71 (41), Coxsackie A16 (140), Herpes Simplex (HSV 1) (8) and other viruses (7).

In Sarawak, as at Epid. Week 31, 2011, a total of 443 specimens were sent to MKAK Sg. Buloh for viral isolation. Of these, 28 specimens isolated viruses: EV71 (19), Coxsackie A16 (3), Herpes Simplex (HSV 1) [3], Adenovirus (1) 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 on 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 13<sup>th</sup> August 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
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