



# SARAWAK

## WEEKLY EPID NEWS

Sarawak Health Department

WEEK 40

2<sup>nd</sup> – 8<sup>th</sup> OCTOBER 2011

### INFECTIOUS DISEASE/CRISIS HIGHLIGHTS IN SARAWAK

In Epid. Week 40, 2011, Sarawak Health Department had received seven cluster/outbreaks of infectious diseases i.e. four family clusters of HFMD and two food poisoning outbreaks.

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**SARAWAK**  
State Health Department

CPRC (CRISIS PREPAREDNESS AND RESPONSE CENTRE)

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## 2. NEW OUTBREAKS/CLUSTERS

No	Disease	District	Locality	Case (No)	Outbreak declared
1	HFMD	Simunjan	*Kampung Keniong	2	27/09/2011
2			*Kampung Kepayang	2	21/09/2011
3		Kuching	25D, Jalan Bampfylde	3	30/09/2011
4		Belaga	Rh. Yan Ketek, Long Koyan Lama	2	01/10/2011
5			Uma Badeng, Sg. Koyan	10	03/10/2011
6	Food Poisoning	Serian	*Kampung Retoh Plaman	3	23/09/2011
7		Meradong	SMK Bandar Bintangor	13	06/10/2011









\*Late reporting to CPRC, Sarawak Health Department

There were seven cluster/outbreaks were reported in Epid. Week 40, 2011 to Sarawak Health Department.

### 2.1. Preliminary report of Mushroom Poisoning at Kampung Retoh Plaman, Serian

Food poisoning outbreak due to mushroom poisoning was notified to Serian District Office on 26/9/2011 involved 3 family members at Kpg Retoh Plaman Tebakang, Serian. The cases aged between 25 – 55 years old presented with vomiting (67%), nausea (67%), headache (67%), and fainted (33%). The onset was on 23/9/2011 at 12:30 PM. The incubation period was around 30 minutes. All cases were admitted at SGH on the same day.

The suspected food was wild mushroom which was consumed at around 12:00 pm at their home. Samples of the mushroom were sent to Pathology Unit, Research & Development Centre, Sarawak Forest Department for group level identification.

Suspected mushroom	Edible mushroom ('kulat sawit'- photo taken at Lundu wet market)
	
	
	
	

## 2.2. Preliminary report of Food Poisoning Outbreak at SMK Bandar Bintangor, Meradong.

Food poisoning outbreak at SMK Bandar Bintangor, Meradong was notified to Maradong District Health Office on 6/10/2011 at 12:30 PM involved 30 students and one teacher. SMK Bandar Bintangor is a boarding school of about 590 students.

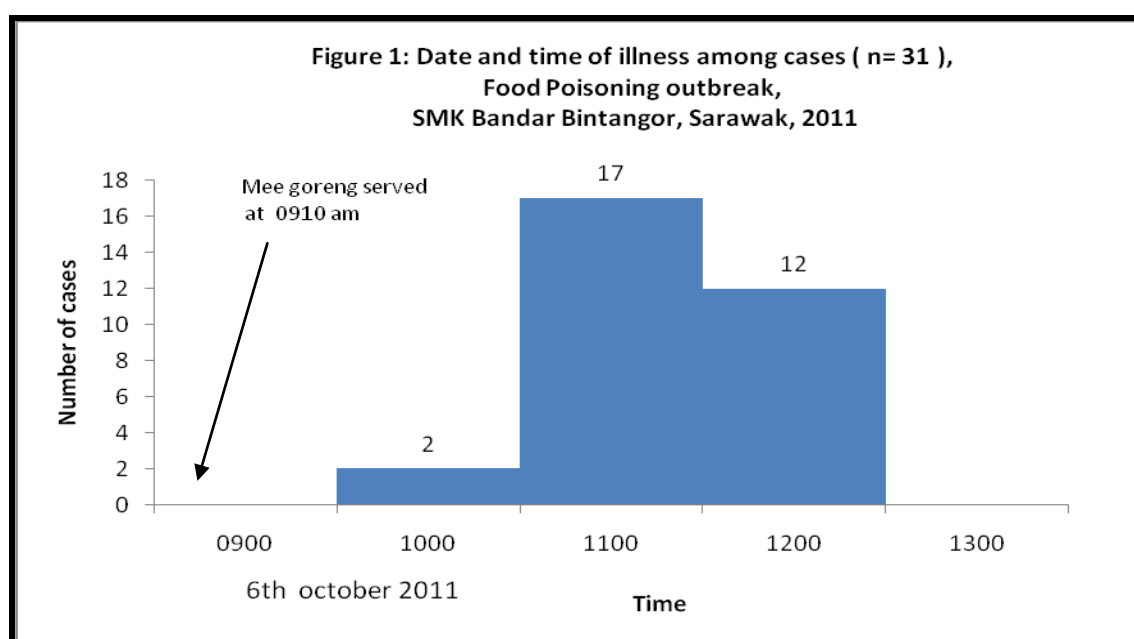
The exposed persons were 31 (the students and a teacher who stayed for PMR exam). They presented with vomiting (96.7%), abdominal pain (90.3%), headache (70%), nausea (64.5%) and diarrhoea (29%). One of the students was admitted to Sibu Hospital on 6/10/2011 and discharged on 7/10/2011. The others treated as outpatient at Maradong Health Clinic.

The suspected food was the left over “mee goreng” from breakfast time at 5:30 – 6:00 AM on 6/10/2011. Then, the same “mee goreng” was distributed to all using polystyrene container and consumed during recess time at 9:10 AM. The students complained of “bau basi”. The suspected etiological agent is *Bacillus cereus* enterotoxin.

1<sup>st</sup> onset: 10:20 AM on 6/10/2011

Last onset: 12:10 PM on 6/10/2011

Incubation period range: 1 – 3 hours



On 7/10/2011, the premise rating was 20.3% and the previous inspection was on 14/1/11 where the rating was 73.1%.

The noodles were supplied by **unlicensed** supplier at Lot 252, Lorong 3, Taman Bintangor. The school has seven permanent cooks. Two of them has attended Food handler course.

Samples of the "*mee goreng*" sent to FSQ laboratory on 7/10/2011 were negative for enterotoxin and bacterial cultures. No clinical specimens were obtained.

The school kitchen operator was instructed to improve the kitchen's sanitation and following this incident, the school has planned for renovation of the kitchen.

### 3. MANDATORY NOTIFIABLE DISEASES REPORTED IN EPID. WEEK 40, 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																				1							
Bau										1	1									2							
Kuching						5				7	20		2		1				2	25							
Samarahan											7									1							
Asajaya																				1							
Simunjan											1									3							
Serian									3		1		1							6							
Sri Aman						1					5		1						1	6							
L/ Antu																				5							
Betong											2									4							
Saratok	1/0										1								1	10							
Sarikei											2									5							
Meradong	1/0								31											4							
Pakan/Julau	2/0												1							3							
Daro																				3							
Matu																											
Dalat																				1							
Mukah										1										4							
Sibu						1				1	3									19			1				
Kanowit											2		2							1							
Selangau													1							7							
Song																											
Kapit													6							5							
Belaga										6			1							3							1
Tatau																				4							
Bintulu						1					15		2		1					15							
Miri						1					5		2		1					32							
Marudi													26							7							
Limbang																				3							
Lawas																				4							
TOTAL (Week 40)	4/0	0	0	0	0	9	0	0	34	10	71	0	45	0	3	0	0	0	4	0	184	0	0	1	0	0	1
Total (2011)	81/58	0	0	252	0	762	9	0	1133	315	2061	10	1340	32	181	0	0	0	106	1	1499	4	0	109	9	0	100
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 STD/AIDS Section HFMD notification is based on masterlist.

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

### ***3.1. Surveillance report on food-water borne diseases***

#### **3.1.2. Food Poisoning**

Two food poisoning outbreaks were reported in Epid. Week 40, 2011, involving a total of 34 cases.

The cumulative total of food poisoning cases were 1,133 that consist of 48 outbreaks. Out of 48 outbreaks, 24 (50.0%) involved schools (12 primary; 12 secondary). SMK Sri Patiambun had three episodes of food poisoning outbreak this year.

#### **3.1.3. Cholera**

No case reported in Epid. Week 40, 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.

#### **3.1.4. Dysentery**

No case reported in Epid. Week 40, 2011.

The cumulative total of nine suspected dysentery cases were reported, but only two cases were confirmed to be *Amebic dysentery and Shigellosis*. The others were negative for microbiology analyses.

#### **3.1.5. Typhoid and paratyphoid fever**

No cases reported in Epid. Week 40, 2011.

The cumulative total confirmed as typhoid cases were three (two typhoids and one paratyphoid) which were confirmed by stool C&S test (2) and blood C&S (1).

### ***3.2. Surveillance report on vaccine preventable diseases***

#### **3.2.1. Measles (data derived from SM2)**

Three suspected measles cases were reported in Epid. Week 40, 2011, each from Kuching, Miri and Bintulu districts.

The first case was a 24 years old Bidayuh lady from Kuching notified by medical officer from KK Kota Sentosa. Blood specimen was taken for serology IgM measles but result is still pending.

The second case was a five months old Iban girl from Miri. She presented with fever, rashes, and cough. Blood specimen was taken for serology IgM measles but result is still pending.

The third case was a 20 years old female from Bintulu. She presented with fever and rashes and never received measles or rubella vaccination before. Blood specimen was taken for serology IgM measles but result is still pending.

The cumulative total of suspected measles cases was 181. Of these, only four cases were confirmed by positive IgM measles. There was also one clinically confirmed case; who is a 20 years old Malay male from Marudi district, diagnosed and notified on 11<sup>th</sup> January 2011. Blood specimen for serology test was taken from the clinically confirmed case but was not sent to MKAK Sungai Buloh.

### **3.2.2. Whooping Cough**

No case was reported in Epid. Week 40, 2011.

Out of the cumulative total of 21 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.

### **3.2.3. Tetanus**

No case reported in Epid. Week 40, 2011.

The cumulative total of tetanus cases is remained as one. The patient was a 77 years old Chinese man from Kuching district.

### **3.2.4. Viral Hepatitis**

One case of acute Hepatitis C was reported in Epid. Week 40, 2011.

The patient is a 59 years old Chinese male from Sibu. This case was seen and notified by Becon International Specialist Centre, Petaling Jaya but no clinical presentation was given.

The cumulative total of viral hepatitis cases were 109. Of these, 57 cases were Hepatitis B where 26 were acute and 31 were chronic. Another 52 cases were Hepatitis C where 14 cases were acute and 38 were chronic.

## ***3.3. Surveillance report on HIV/AIDS and STI***

### **3.3.1. HIV/AIDS**

Four HIV cases were reported in Epid. Week 40, 2011 from Saratok (1), Meradong (1) and Julau (2) districts.

The cumulative total HIV cases were 81 and all cases were adults. The cumulative total AIDS cases were remained 58.



### **3.3.2. Gonorrhoea**

Ten gonorrhoea cases were reported in Epid. Week 40, 2011; from Kuching (7), Bau (1), Mukah (1) and Sibü (1) districts.

Out of the cumulative total of 315 cases reported, 313 were adults and only two cases confirmed as gonococcal neonatorum.

### **3.3.3. Syphilis**

Four cases were reported in Epid. Week 40, 2011, from Kuching (2), Sri Aman (1), and Saratok (1) districts.

The cumulative total of syphilis cases were 106.

## ***3.4. Surveillance Report on TB and leprosy***

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

From 4/9/2011 until 1/10/2011, a total of 184 cases were reported, bringing a cumulative total of 1,499 cases reported in 2011. compared to 1,987 total cases reported in year 2010.

### **3.4.2. Leprosy**

No case reported in Epid. Week 40, 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).

## ***3.5. Surveillance Report on other infectious diseases***

### **3.5.1. Viral encephalitis**

One case of confirmed *Japanese encephalitis* reported in Epid. Week 40, 2011 notified by Sibü Division. The case is a seven years old Iban boy from Rh Lua, Passai Siong, Sibü. His school is SK Ulu Passai Siong. He did not vaccinated against JE.

The cumulative total of viral encephalitis cases were ten. Of these, two cases were confirmed *Japanese encephalitis* and eight were due to other viruses.

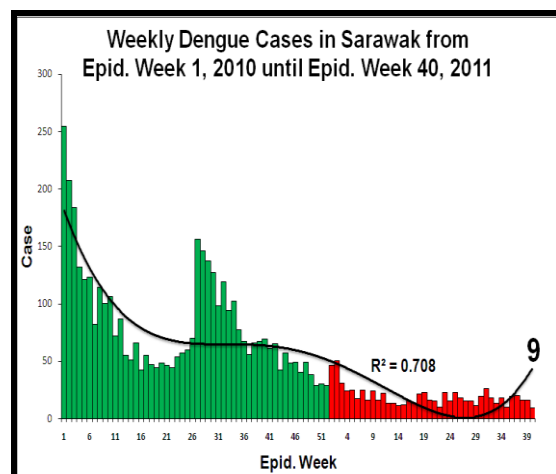
**Note: Vector borne diseases and emerging and re-emerging infectious diseases will be discussed in their respective chapter.**

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

##### 4.1. Notified Dengue cases for Epid. Week 40, 2011 compared to Epid. Week 40, 2010 and cumulative cases till Epid. Week 40 in 2010.

District	2011		2010		
	EW 40	Cum.	EW 40	Cum.	Total
Lundu	0	9	1	58	69
Bau	0	23	1	109	123
Kuching	5	87	5	410	473
Samarahan	0	19	2	84	97
Asajaya	0	4	0	10	10
Serian	0	13	1	130	140
Simunjan	0	11	0	43	47
Sri Aman	1	41	2	84	96
Lubok Antu	0	20	2	42	53
Betong	0	11	1	24	30
Saratok	0	6	0	18	20
Sarikei	0	20	0	78	91
Meradong	0	11	0	48	53
Pakan	0	15	0	25	30
Julau	0	14	0	14	20
Daro	0	6	2	75	95
Matu	0	1	0	25	25
Dalat	0	2	0	10	14
Mukah	0	4	0	34	39
Sibu	1	61	19	921	1021
Kanowit	0	25	3	53	64
Selangau	0	9	1	17	32
Song	0	10	0	11	16
Kapit	0	27	4	144	158
Belaga	0	22	0	27	39
Tatau	0	32	2	28	40
Bintulu	1	90	1	206	237
Miri	1	97	12	731	816
Marudi	0	48	7	113	126
Limbang	0	18	3	109	131
Lawas	0	6	0	22	35
Sarawak	9	762	69	3703	4240

EW = Epid. Week



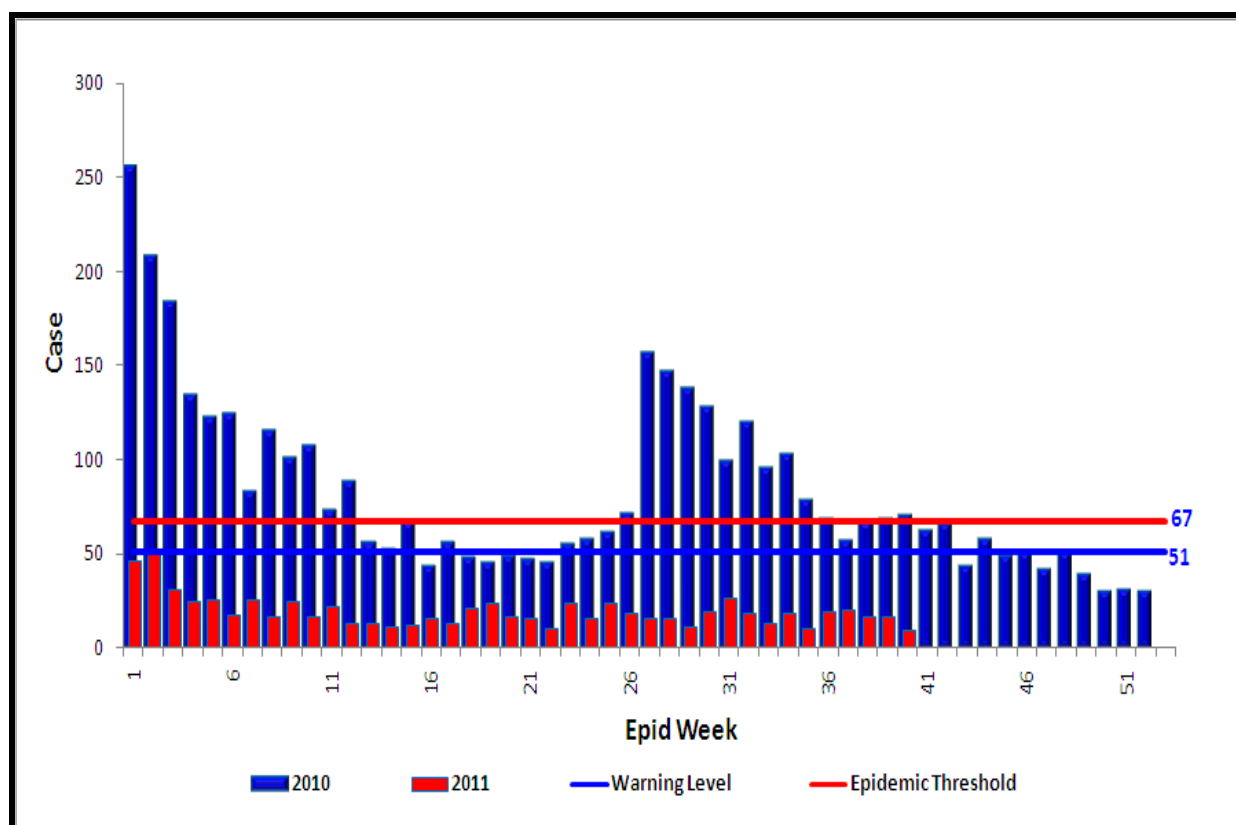
A total of 9 dengue cases were reported for Epid. Week 40, 2011 compared to 69 cases during the same period in 2010.

**No outbreak and uncontrolled outbreak localities was reported.**

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

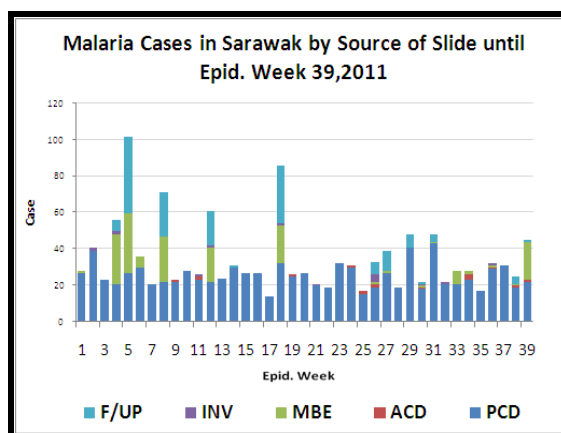
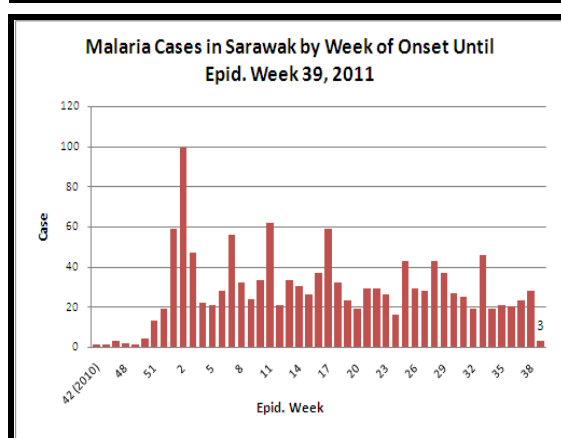
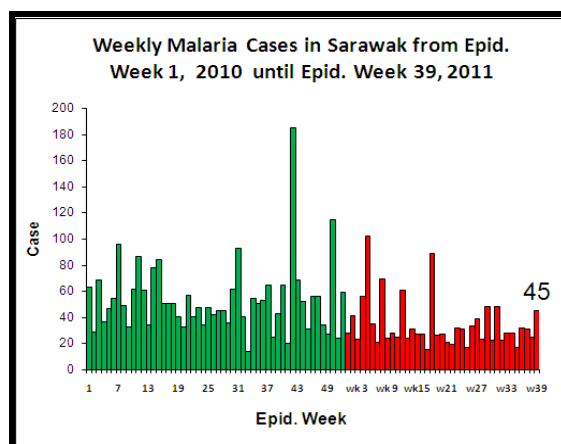
1. Miri
2. Bintulu
3. Kuching
4. Sibu
5. Marudi

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



**4.2. Notified Malaria cases for Epid. Week 39, 2011 compared to Epid. Week 39, 2010 and cumulative cases till Epid. Week 39 in 2011.**

District	2011		2010		Total
	EW 39	Cum.	EW 39	Cum.	
Lundu	0	29	0	64	72
Bau	0	3	0	8	9
Kuching	2	15	0	21	27
Samarahan	0	3	0	1	2
Asajaya	0	0	0	0	0
Simunjan	0	2	0	16	17
Serian	1	19	1	54	58
Sri Aman	1	14	1	18	25
Lubok Antu	0	18	0	16	16
Betong	0	33	0	8	15
Saratok	0	2	0	4	4
Sarikei	0	15	0	6	8
Meradong	0	9	0	2	3
Pakan	0	18	0	12	14
Julau	1	58	0	24	34
Daro	0	1	0	0	1
Matu	0	0	0	0	1
Dalat	0	8	0	12	14
Mukah	0	2	0	5	6
Sibu	0	34	0	31	43
Kanowit	2	60	2	51	65
Selangau	1	12	1	8	9
Song	0	54	1	35	46
Kapit	6	167	2	96	134
Belaga	1	100	2	258	300
Tatau	0	22	0	11	12
Bintulu	2	36	2	23	39
Miri	2	25	0	22	32
Marudi	26	541	31	1147	1734
Limbang	0	14	0	27	29
Lawas	0	26	0	29	33
<b>Sarawak</b>	<b>45</b>	<b>1340</b>	<b>43</b>	<b>2009</b>	<b>2802</b>



A total of 45 cases were reported in Epid. Week 39, 2011. Cumulative cases till Epid. Week 39 was 1340. Of the 1340 cases, 541 cases (40.3%) from Marudi District, 167 cases (12.5%) from Kapit District and 100 cases (7.5%) 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 39	Epid. Week 1 – Epid. Week 39
Passive Case Detection (PCD)	22	978
Active Case Detection (ACD)	1	15
Investigation slides ( INV)	0	13
Mass Blood Survey (MBS)	21	176
Follow-up	1	158
<b>Total</b>	<b>45</b>	<b>1340</b>

#### 4.2.2. Cases by species

Species	Epid. Week 39	Epid. Week 1 – Epid. Week 39
<i>Plasmodium vivax</i>	32	763
<i>Plasmodium falciparum</i>	1	69
<i>Plasmodium malariae</i>	5	261
<i>Plasmodium knowlesi</i>	7	241
<i>Plasmodium ovale</i>	0	1
Mixed infection	0	5
<b>Total</b>	<b>45</b>	<b>1340</b>

#### 4.2.3. Cases classification

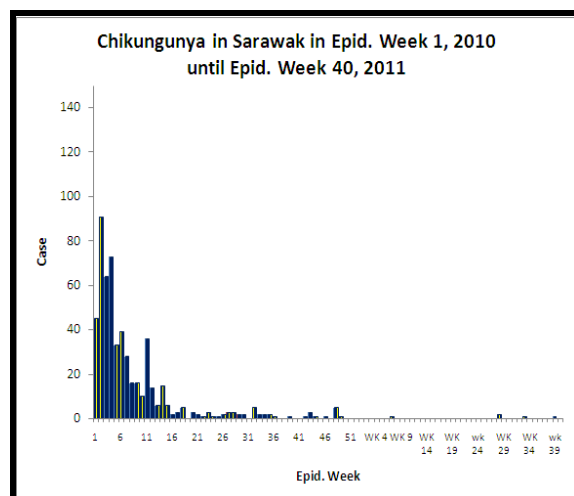
Classification	Epid. Week 39	Epid. Week 1 – Epid. Week 39
Indigenous	42	1053
*Imported A	3	171
Relapsed	0	115
Congenital	0	1
<b>Total</b>	<b>45</b>	<b>1340</b>

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

No.	District reported	Source of infection	Nationality	Case (No.)	Species
1	Kuching	Salom, Papua New Guinea	Malaysian	1	<i>P. falciparum</i>
2	Kuching	Punjab, India	Indian	1	<i>P. vivax</i>
3	Serian	Rustam, Peshawar Mardan, Pakistan	Pakistan	1	<i>P. vivax</i>

**4.3. Notified Chikungunya cases for Epid. Week 40, 2011 compared to Epid. Week 40, 2010 and cumulative cases till Epid. Week 40 in 2010.**

District	2011		2010		
	EW 40	Cum.	EW 40	Cum.	Total
Lundu	0	0	0	1	1
Bau	0	0	0	13	13
Kuching	0	1	0	72	72
Samarahan	0	0	0	2	3
Asajaya	0	1	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	0	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	61	67
Belaga	0	0	0	78	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	5	0	538	550



No case of Chikungunya was reported in Epid. Week 40, 2011. The cumulative Chikungunya for 2011 were five cases.

EW = Epid Week

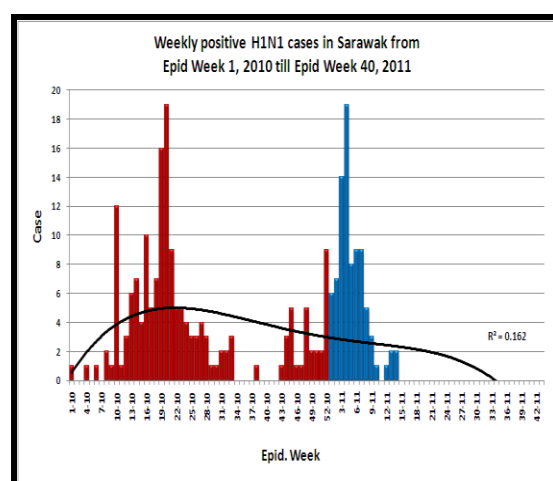
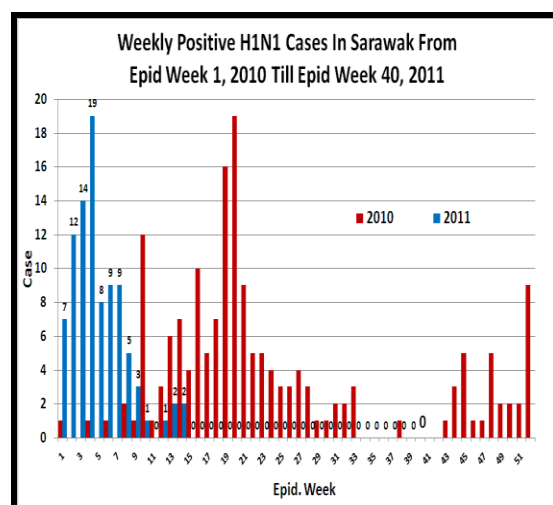
## 5. EMERGING/RE-EMERGING INFECTIOUS AND ZONOTIC DISEASES

### 5.1. H1N1

5.1.1 Positive Pandemic Influenza A (H1N1) cases for Epid. Week 40, 2011 compared to Epid. Week 40, 2010 and cumulative cases till Epid. Week 40 in 2011.

District	2011		2010		Total
	EW 40	Cum.	EW 40	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	1	21	20
Lawas	0	1	0	2	2
<b>TOTAL</b>	<b>0</b>	<b>92</b>	<b>1</b>	<b>138</b>	<b>161</b>

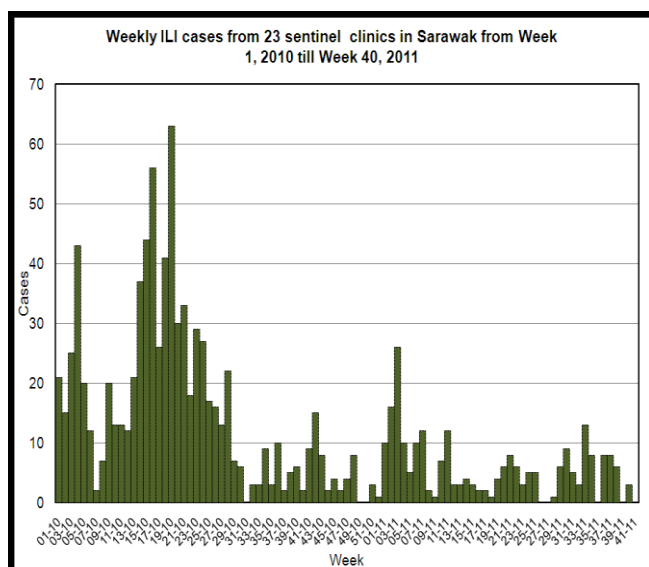
EW = Epid. Week



No H1N1 positive case was reported in Epid. Week 40, 2011. The cumulative total cases in 2011 were 92 cases compared to 138 cases reported during the same period in 2010.

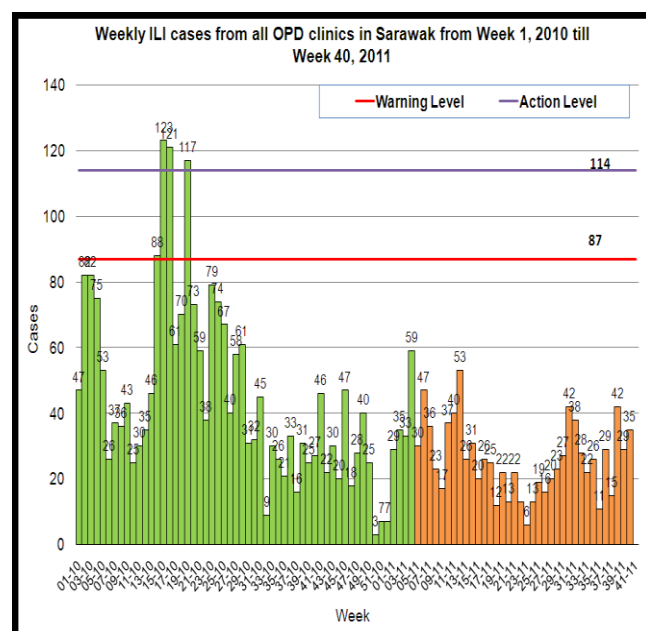
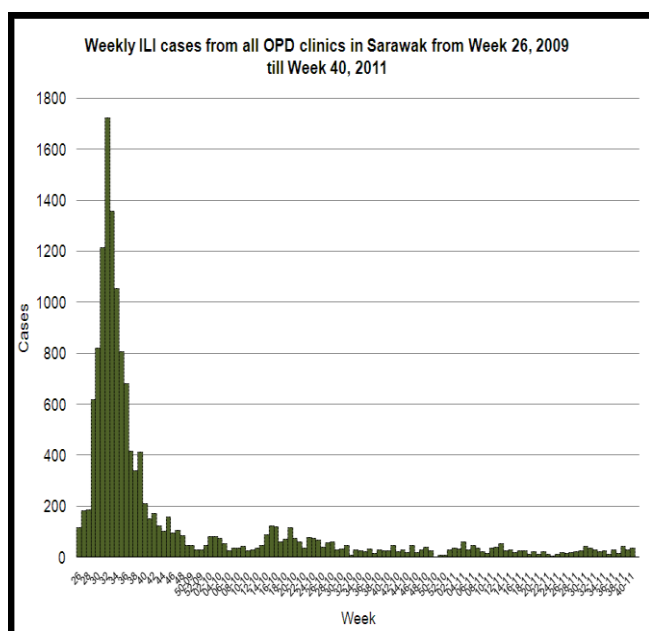


### 5.1.2 Outpatient Influenza-Like Illness (ILI) Surveillance from Epid. Week 25 in 2009 till Epid. Week 40 in 2011.



In Epid. Week 40, 2011, two ILI cases were reported from the 23 Sentinel clinics and all OPD clinics.

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).



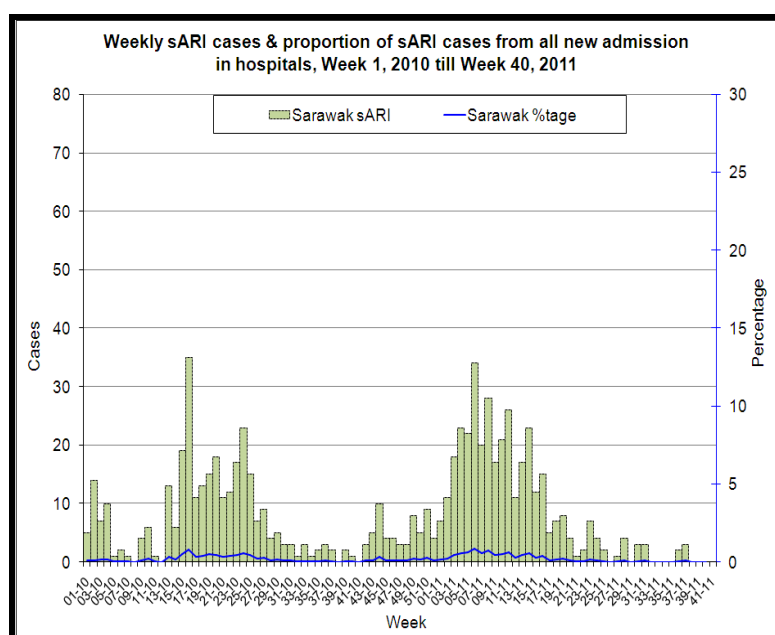
Referring to a letter dated 25 January 2011 from Office of the Deputy Director-General of Health (Public Health), Department of Public Health, Ministry of Health Malaysia about **PEMANTAUAN AKTIVITI H1N1 SECARA BERTERUSAN**, all PKB/PKD must send their daily H1N1 report as well as ILI and sARI surveillance 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 8<sup>th</sup> October 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 8<sup>th</sup> October 2011.

Division	Hospital	New EW 40	Cumulative 2011	No. of Inpatient			No. of Patient on Ventilator	Throat swabs		
				ICU	ISO	Other wards		Positive	Pending	Negative
Kuching	SGH Kuching	0	162	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	249	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		0	454	0	0	0	0	0	0	0

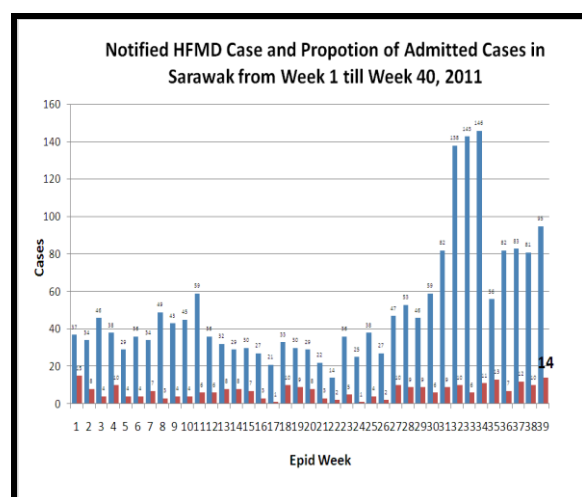
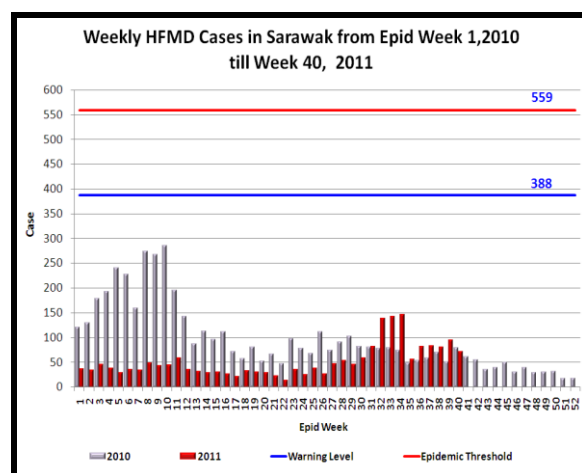
EW = Epid. Week

No sARI admission was reported in Epid. Week 40, 2011.

**5.2. Notified HFMD cases for Epid. Week 40, 2011 compared to Epid. Week 40, 2010 and cumulative cases till Epid. Week 40 in 2011.**

District	2011		2010		Total 2010
	EW 40	Cum.	EW 40	Cum.	
Kuching	20	361	6	899	961
Bau	1	69	3	207	209
Lundu	0	20	2	68	86
<b>KUCHING</b>	<b>21</b>	<b>450</b>	<b>11</b>	<b>1174</b>	<b>1256</b>
Samarahan	7	96	0	126	127
Asajaya	0	26	0	5	7
Simunjan	1	15	1	35	37
Serian	1	22	0	24	25
<b>SAMARAHAN</b>	<b>9</b>	<b>159</b>	<b>1</b>	<b>190</b>	<b>196</b>
Sri Aman	5	85	2	138	145
Lubok Antu	0	12	0	23	23
<b>SRI AMAN</b>	<b>5</b>	<b>97</b>	<b>2</b>	<b>161</b>	<b>168</b>
Betong	2	36	5	82	103
Saratok	1	30	0	38	38
<b>BETONG</b>	<b>3</b>	<b>66</b>	<b>5</b>	<b>120</b>	<b>141</b>
Sarikei	2	140	0	198	206
Meradong	0	64	0	54	55
Pakan	0	4	0	37	37
Julau	0	3	0	21	24
<b>SARIKEI</b>	<b>2</b>	<b>211</b>	<b>0</b>	<b>310</b>	<b>322</b>
Daro	0	0	0	24	24
Matu	0	1	0	19	20
Mukah	0	41	0	241	259
Dalat	0	18	1	108	108
<b>MUKAH</b>	<b>0</b>	<b>60</b>	<b>1</b>	<b>392</b>	<b>411</b>
Sibu	3	100	6	487	517
Selangau	0	5	0	11	17
Kanowit	2	22	0	44	44
<b>SIBU</b>	<b>5</b>	<b>127</b>	<b>6</b>	<b>542</b>	<b>578</b>
Kapit	0	50	5	109	116
Song	0	11	0	29	29
Belaga	6	15	0	10	10
<b>KAPIT</b>	<b>6</b>	<b>76</b>	<b>5</b>	<b>148</b>	<b>155</b>
Bintulu	15	577	14	535	629
Tatau	0	25	2	19	28
<b>BINTULU</b>	<b>15</b>	<b>602</b>	<b>16</b>	<b>554</b>	<b>657</b>
Miri	5	162	31	786	911
Marudi	0	40	0	92	105
<b>MIRI</b>	<b>5</b>	<b>202</b>	<b>31</b>	<b>878</b>	<b>1016</b>
Limbang	0	8	0	54	54
Lawas	0	3	1	53	56
<b>LIMBANG</b>	<b>0</b>	<b>11</b>	<b>1</b>	<b>107</b>	<b>110</b>
<b>SARAWAK</b>	<b>71</b>	<b>2061</b>	<b>79</b>	<b>4576</b>	<b>5010</b>

EW = Epid. Week



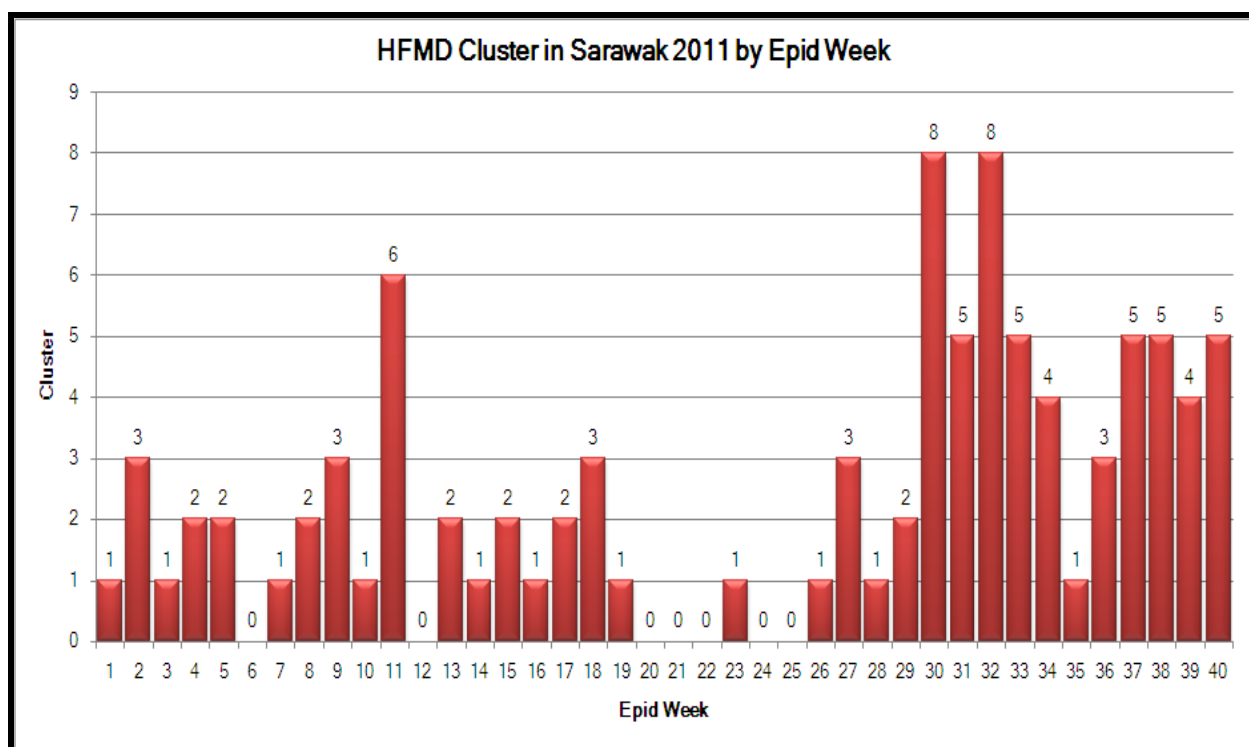
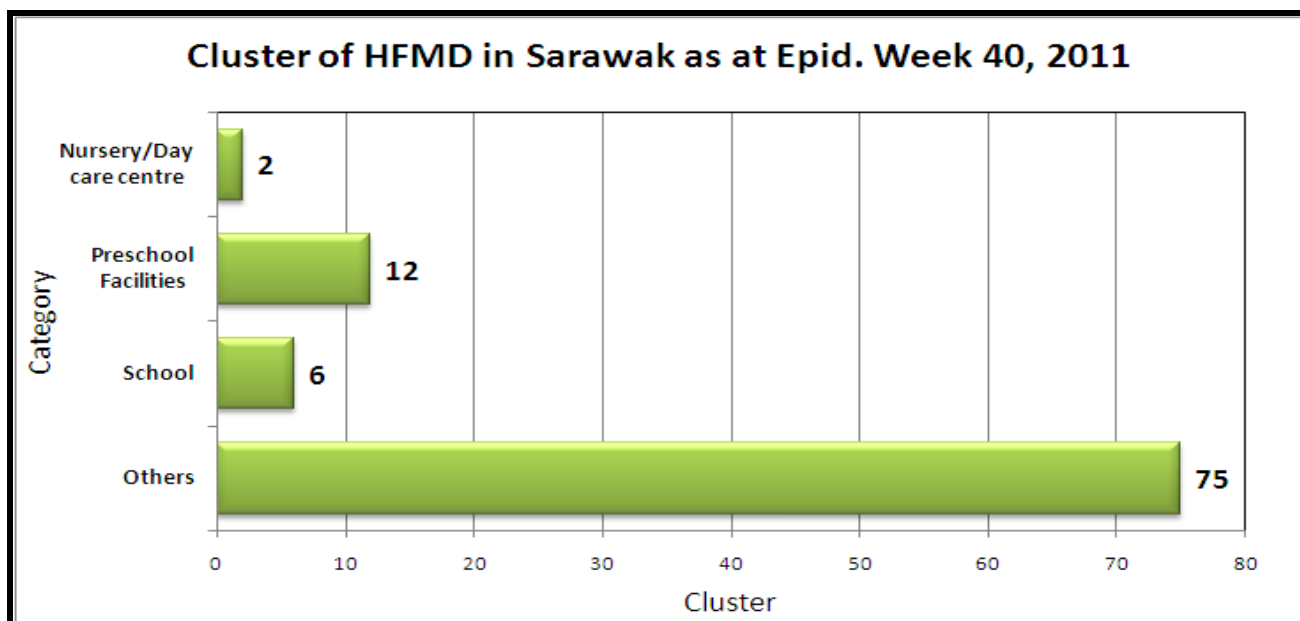
A total of 71 cases reported in Epid. Week 40, 2011.

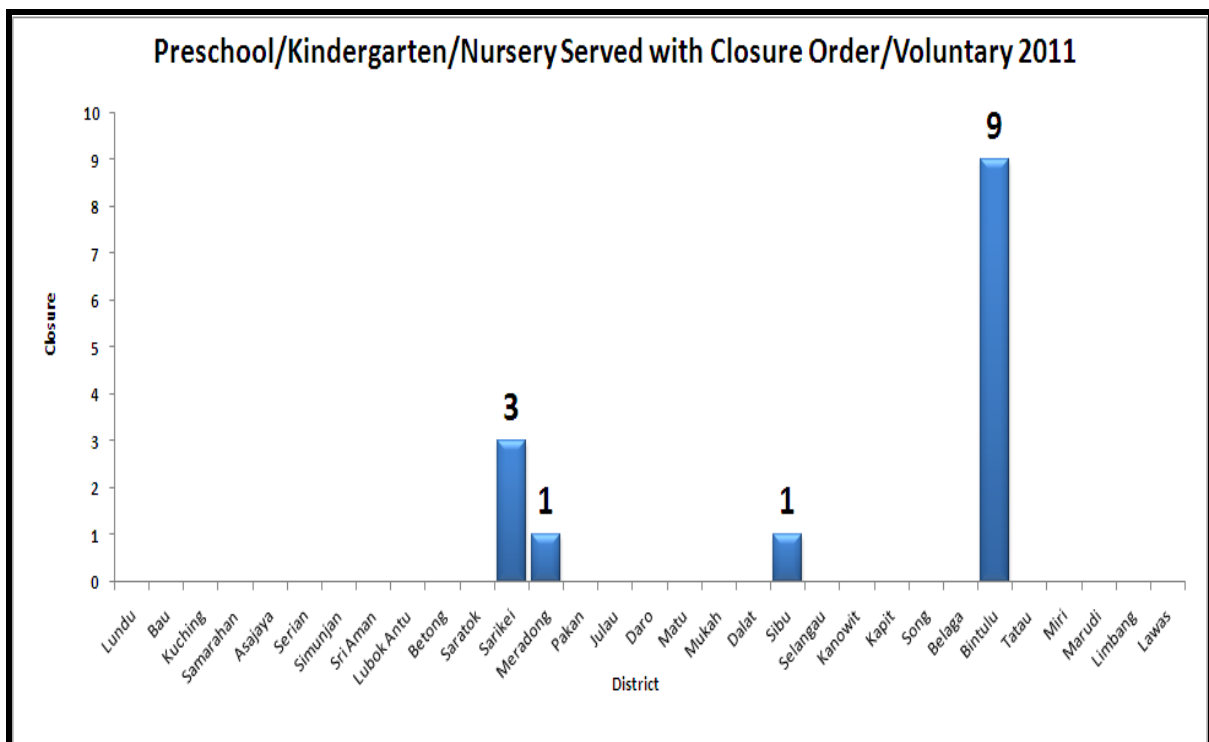
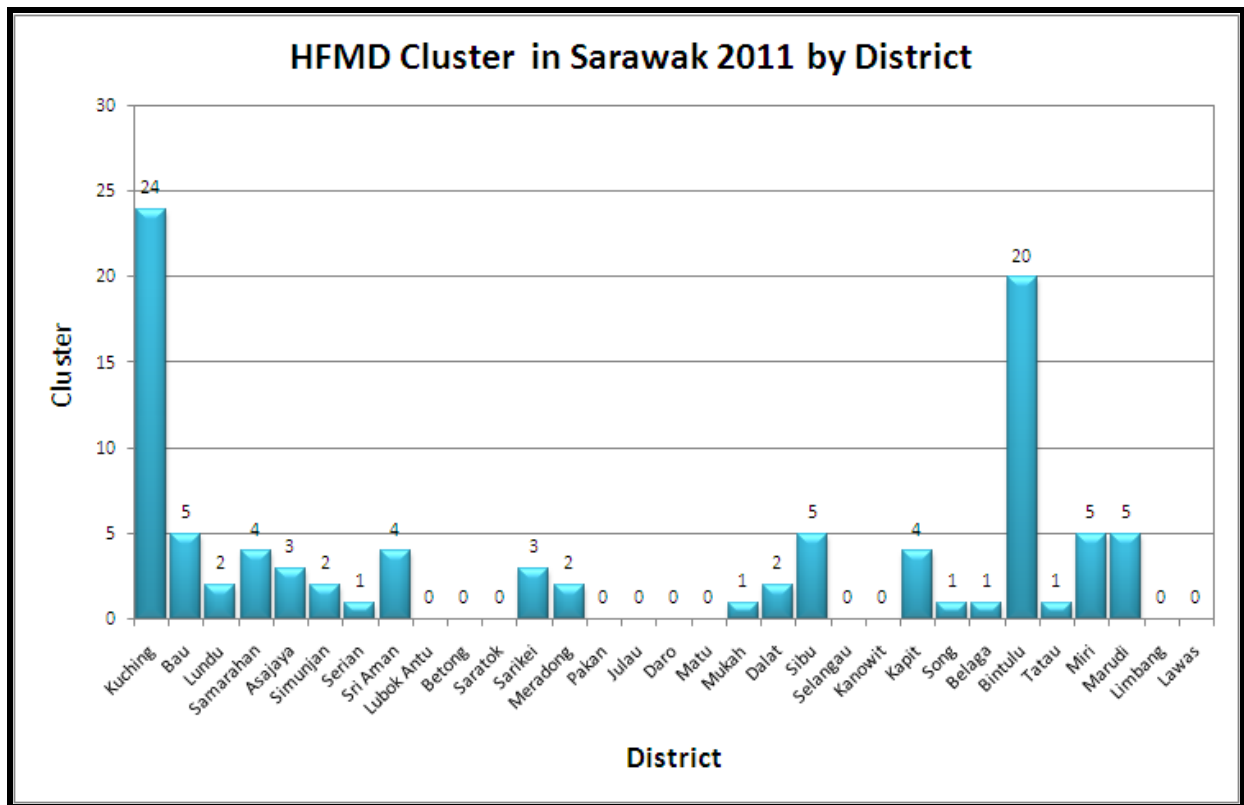
A cumulative total of 2,061 cases reported compared to 4,576 cases during the same period in 2010.

### 5.2.1. Cumulative HFMD Clusters as of 8<sup>th</sup> October 2011.

Five HFMD clusters reported in Epid. Week 40, 2011 involved family clusters at Simunjan, Kuching and Belaga district.

As at 8<sup>th</sup> October 2011, a total of 95 clusters reported. Of these, 75 (78.95%) were family cluster, 12 (12.63%) were cluster in preschool facilities, six (6.32%) were in school and two (2.11%) was in nursery or day care centre.





**5.3. Notified Leptospirosis cases for Epid. Week 40, 2011 compared to Epid. Week 40, 2010 and cumulative cases till Epid. Week 40 in 2011.**

District	Case classification (positive)				Total positive leptospirosis	
	Confirmed		Probable		2011	2010
	EW 40/2011	EW 40/2010	EW 40/2011	EW 40/2010		
Bau	0	0	0	0	0	1
Lundu	0	0	0	0	0	0
Kuching	0	0	0	0	23	12
Asajaya	0	0	0	0	3	0
Samarahan	0	0	0	1	3	1
Serian	0	0	0	0	4	2
Simunjan	0	0	0	0	3	1
Sri Aman	0	0	0	0	7	1
Lubok Antu	0	0	0	0	6	3
Betong	0	0	0	0	4	0
Saratok	0	0	0	0	5	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
Dalat	0	0	0	0	0	0
Mukah	0	0	0	0	2	1
Daro	0	0	0	0	1	1
Matu	0	0	0	0	0	0
Sibu	0	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	0	0	0	0	9	1
Belaga	0	0	1	0	4	0
Tatau	0	0	0	0	0	0
Bintulu	0	0	0	0	8	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>1</b>	<b>100</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

District indicate source of infection based on patient's recent travelling history (suspected), current place of residence or workplace

**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 40, 2011 compared to Epid. Week 40, 2010 and cumulative cases till Epid. Week 40 in 2011.

District	Blood test result				Total positive	
	Positive				2011	2010
	Culture		Serology			
	EW 40/2011	EW 40/2010	EW 40/2011	EW 40/2010		
Bau	0	0	0	0	1	0
Lundu	0	0	0	0	0	0
Kuching	0	0	0	0	6	12
Asajaya	0	0	0	0	0	0
Samarahan	0	0	0	0	0	0
Serian	0	0	0	0	1	1
Simunjan	0	0	0	0	0	0
Sri Aman	0	0	0	0	4	0
Lubok Antu	0	0	0	0	0	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	0	0	2	3
Daro	0	0	0	0	0	0
Matu	0	0	0	0	0	0
Sibu	0	0	0	0	1	5
Kanowit	0	0	0	0	0	1
Selangau	0	0	0	0	1	6
Song	0	0	0	0	1	7
Kapit	0	0	1	1	48	162
Belaga	0	0	0	0	12	28
Tatau	0	0	0	0	3	14
Bintulu	0	0	0	0	5	49
Miri	0	0	0	0	3	35
Marudi	0	0	0	0	1	7
Limbang	0	0	0	0	0	2
Lawas	0	0	0	0	0	1
Total	0	0	1	1	91	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.



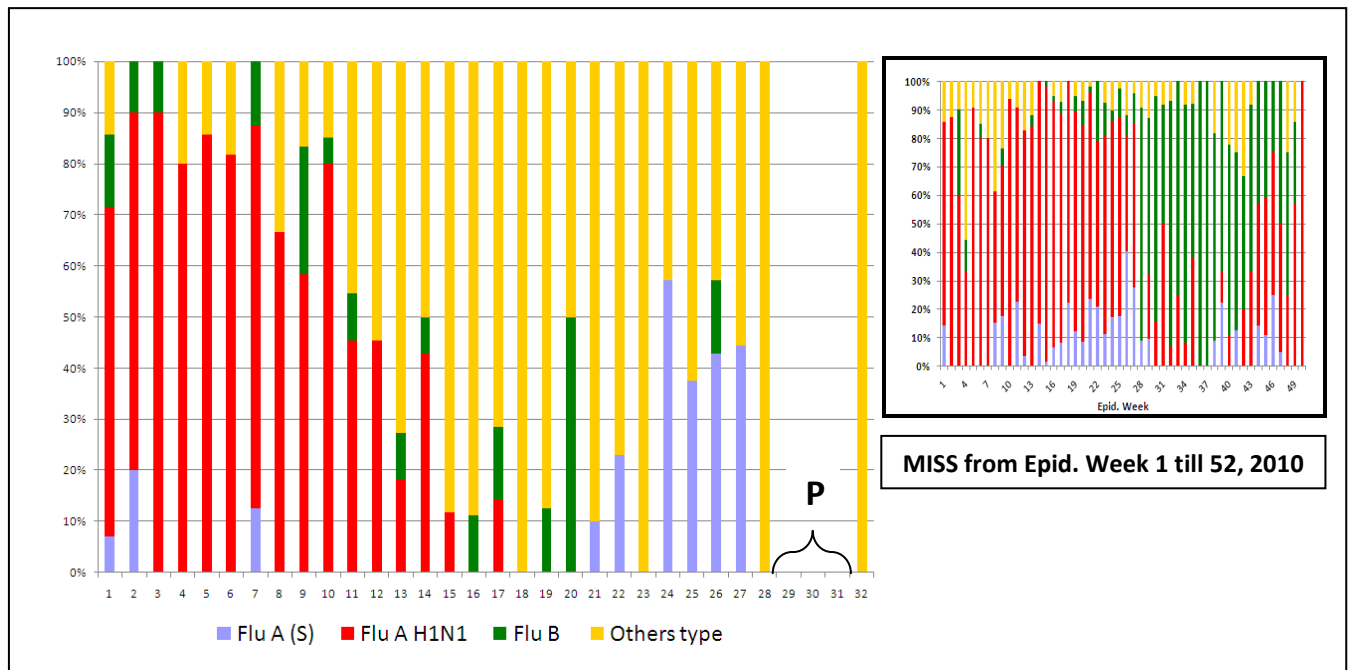
**5.4.1. Locality of melioidosis outbreak in Sarawak as at 8<sup>th</sup> October 2011.**

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 32, 2011 compare to Epid Week 1 till Epid Week 52, 2010 (inset)



\* specimen from Sabah were analysed at MKAK Kota Kinabalu

P Results pending for confirmation type of Flu

In Malaysia, as at Epid Week 32, 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).

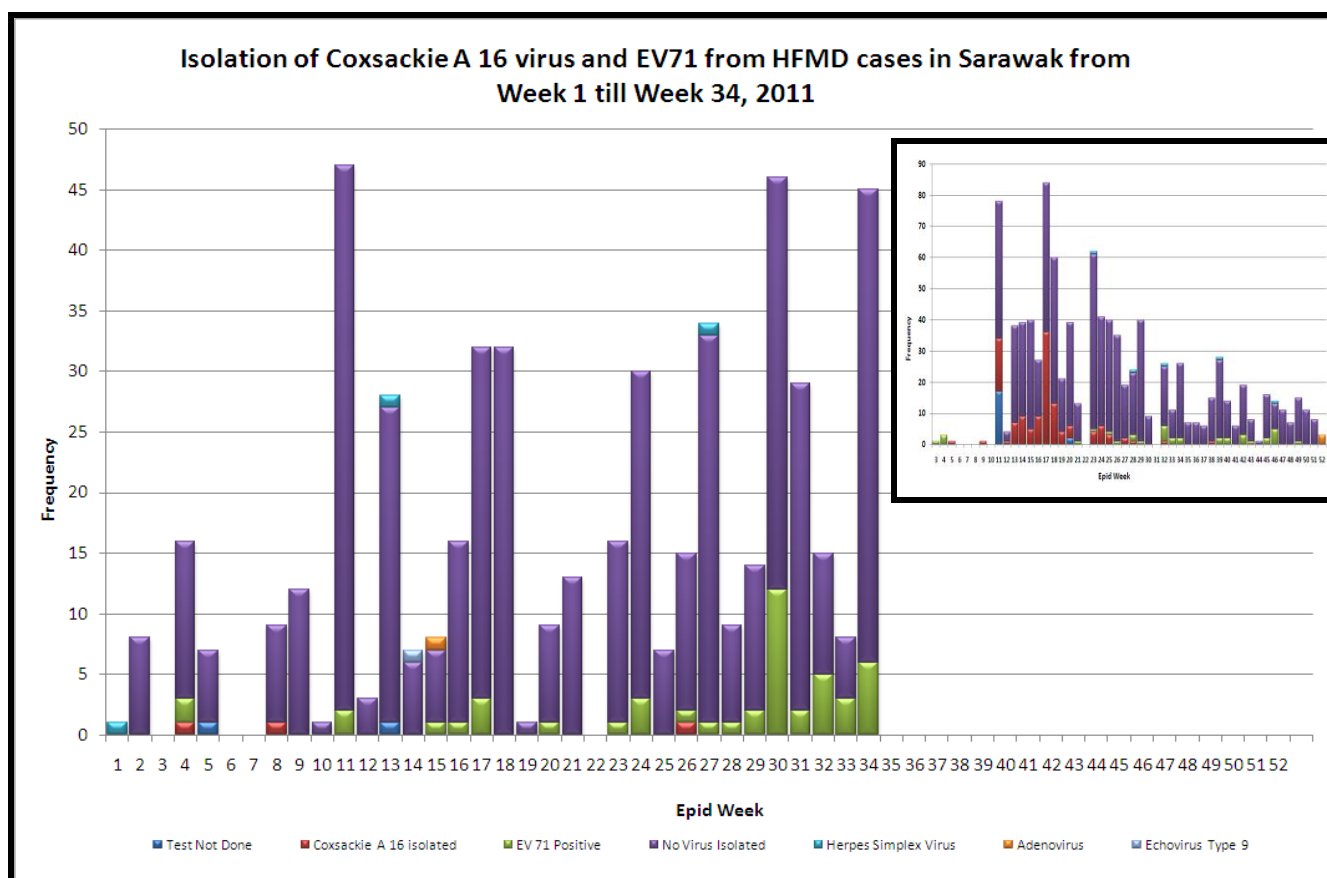
### 6.2. Laboratory Based Surveillance for Measles in Malaysia

In Malaysia, as at Epid. Week 36, 2011, a total of 3,202 serum specimens for serology test were sent to MKAK Sg. Buloh. Of these, 941 were positive for IgM Measles and 275 positive for Rubella.

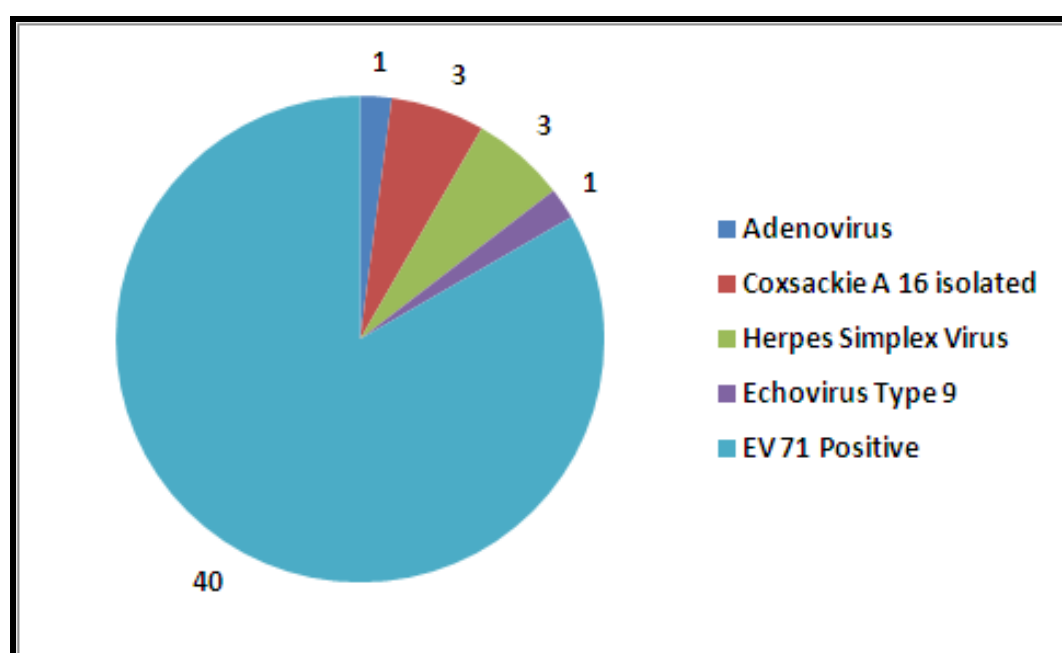
As at Epid. Week 29, 2011, a total of 1,931 specimens for viral isolation were sent to MKAK Sg. Buloh. Of these, 158 (7.8%) specimens positive for virus isolation: measles (31); rubella (115); herpes simplex virus 1 (2); and adenovirus (4).

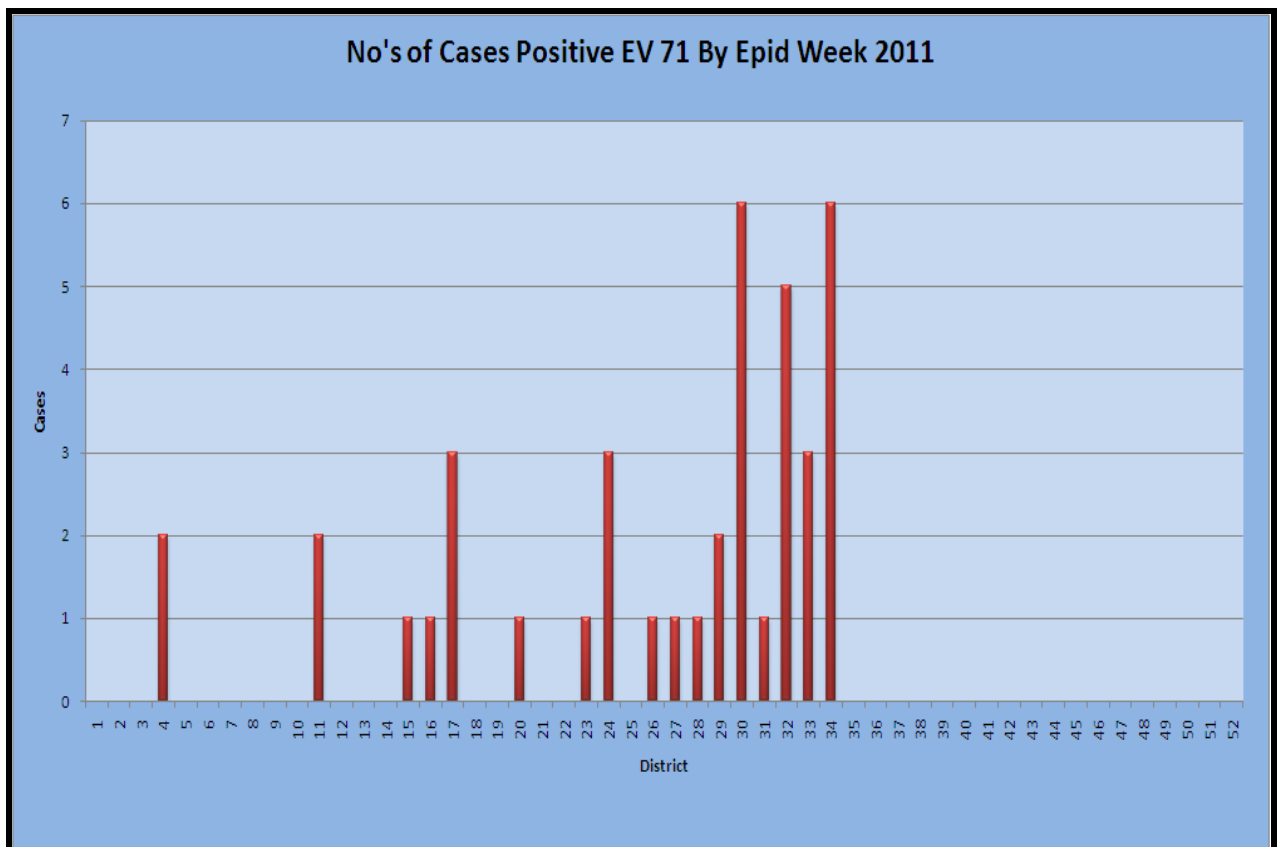
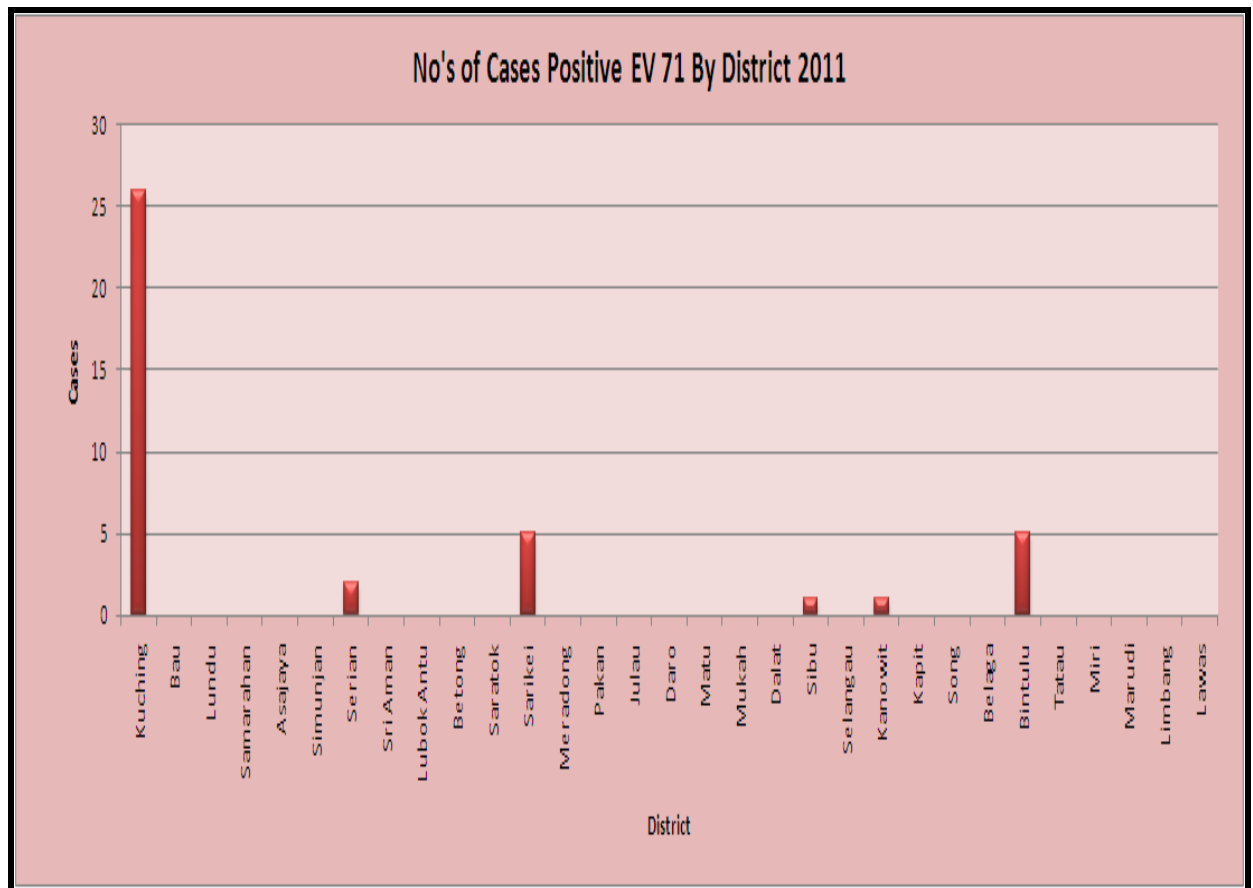
As at Epid Week 36, 2011, Sarawak had been sent 182 specimens for serology test. Six specimens positive for measles IgM and 32 positive for rubella IgM. As at Epid. Week 29, 2011, only 12 specimens for measles viral isolation from Sarawak were sent to MKAK Sg. Buloh but so far none were positive.

### 6.3. Laboratory Based Surveillance for HFMD in Sarawak from Epid Week 1 till Epid Week 38, 2011 compared to 2010 (inset).



In Sarawak, as at Epid. Week 34, 2011, a total of 375 specimens were sent to MKAK Sg. Buloh for viral isolation. Of these, 48 specimens isolated viruses: EV71 (40), Coxsackie A16 (3), Herpes Simplex (HSV 1) [3], Adenovirus (1) and Echovirus Type 9 (1).





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)

The addresses and contact numbers of the Medical Officer of Health/Divisional Health Officers in Sarawak are listed below (as at 24<sup>th</sup> September 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 Aduce, 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
12	<b>Pegawai Kesihatan Bahagian Miri</b> Dr. Faizul Bin Mansoor	Pejabat Kesihatan Bahagian, Bahagian Miri, Jln Temenggong Oyong Lawai Jau, 98000 Miri	bmfaizul@moh.gov.my	Tel:085-424722 Fax:085-429987 Hp:013-8335504
13	<b>Pegawai Kesihatan Bahagian Limbang</b> Dr. Norliza Binti Jusoh	Pejabat Kesihatan Bahagian, Bahagian Limbang, Jln Pendaruan, 98700 Limbang	norlizaj@srwk.moh.gov.my	Tel:085-211046 Fax:085-211116 Hp: 013 – 8163163

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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.