



# SARAWAK

## WEEKLY EPID NEWS

Sarawak Health Department

WEEK 39

25<sup>th</sup> SEPT. – 01<sup>st</sup> OCTOBER 2011

### INFECTIOUS DISEASE/CRISIS HIGHLIGHTS IN SARAWAK

In Epid. Week 39, 2011, Sarawak Health Department had received 14 cluster / outbreak reports i.e. four HFMD, six food poisoning, two measles, and two malaria.

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CPRC (CRISIS PREPAREDNESS AND RESPONSE CENTRE)

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## 2. NEW OUTBREAKS/CLUSTERS

No	Disease	District	Locality	Case (No)	Outbreak declared
1	HFMD	Belaga	Block E, Uma Kulit, Sungai Asap	3	26/09/2011
2		Kota Samarahan	No. 72. Phase 10, Taman Desa Ilmu	2	29/09/2011
3		Simunjan	Kampung Temiang	2	25/09/2011
4		Sibu	*Tadika Harmoni	2	21/09/2011
5	Food Poisoning	Miri	Kampung Muhibah, Ladang Tiga	5	23/09/2011
6		Bintulu	Jaya Front Management Service Premise, Simalajau	12	29/09/2011
7		Kapit	Rh. Baja, Nanga Nyikau	1	25/09/2011
8		Mukah	MSB Pelita Plantation	7	28/09/2011
9		Lundu	Lodge Haji Bujang, Pandan	6	29/09/2011
10		Kuching	Bandar Semariang Baru, Petra Jaya	15	23/09/2011
11	Malaria	Marudi	Long Itam	2	28/09/2011
12		Bintulu	Ladang Freshmark	2	28/09/2011
13	Measles	Miri	Tingkat 2, Block 6301, Tudan Flat, Bandar Baru Permyjaya	2	27/09/2011
14			L/S 123-10, Pujut RTM, Pujut 3	2	29/09/2011

\*Late reporting to CPRC, Sarawak Health Department

There were 14 cluster/outbreaks were reported in Epid. Week 39, 2011 to Sarawak Health Department.

### 2.1. Preliminary report of food poisoning outbreak at Jaya Front Management Service, Simalajau, Bintulu

Food poisoning outbreak at Jaya Front Management Service premise in Simalajau, Bintulu were notified to Bintulu Divisional Health Office on 28<sup>th</sup> September 2011. The total number of cases was 12 out of 856 person exposed. The suspected food was 'ayam asam garam' which was consumed during dinner on 27<sup>th</sup> September 2011. The first onset was on 28<sup>th</sup> September 2011 at 4:30 AM.

## **2.2. Preliminary report of food poisoning outbreak at Rumah Baja, Nanga Nyikau, Kapit**

Kapit Divisional Health Office was notified of food poisoning involving a 50 year old male from Rh Baja Kapit. Onset was on 24<sup>th</sup> September 2011 at 3:00 AM and was admitted to Hospital Kapit on 25<sup>th</sup> September 2011 due severe diarrhoea. From the ACD activities, there were six cases out of 12 persons exposed that attended a birthday party in the longhouse.

## **2.3. Preliminary report of mushroom poisoning outbreak at MSB Pelita Plantation, Mukah**

Mukah Divisional Health Office was notified of mushroom related poisoning on 28<sup>th</sup> September 2011 involved seven Indonesian workers at their plantation “rumah kongsi”. The cases presented with nausea (100%), abdominal pain (100%), vomiting (71%), headache (71%) and diarrhoea (71%).

All together there were 11 persons had the same dinner on 27<sup>th</sup> September 2011 at 7:00 PM but only seven of them ate the mushroom. Five cases admitted to Hospital Mukah on 27<sup>th</sup> September 2011 and discharged on 28<sup>th</sup> September 2011. The other two cases did not seek any treatment.

First onset: 27<sup>th</sup> September 2011 at 10:00pm

Last onset: 27<sup>th</sup> September 2011 at 11:00pm.

Incubation period: 1 – 2 hours.

The suspected food was mushroom with local name “kulat sawit”.

## **2.4. Preliminary report of food poisoning outbreak at Lodge Haji Bujang, Pandan, Lundu**

Lundu District Health Office received notification of food poisoning outbreak on 29<sup>th</sup> September 2011 involved six cases ranged between 13 and 65 years old. The clinical presentations were abdominal pain (100%), nausea (100%), diarrhoea (88.8%), dizziness (44.4%) and vomiting (33.3%). Total exposed persons were 80, came from Sri Aman were attending a course from 26<sup>th</sup> September 2011 until 1<sup>st</sup> October 2011 at Hj Bujang Lodge in Pandan, Lundu.

1<sup>st</sup> onset: 28<sup>th</sup> September 2011 at 11:30pm.

Last onset: 29<sup>th</sup> September 2011 at 09:00pm.

Incubation period: 4 – 13 hours.

The food ration was supplied by Pelangi Enterprise. The company prepared the food at Resident and District Office's barrack. The suspected food was 'ayam masak santan'.

### 3. MANDATORY NOTIFIABLE DISEASES REPORTED IN EPID. WEEK 39, 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									6																		
Bau											1				1												
Kuching						3			15		11			1													15
Samarahan											8																1
Asajaya																											1
Simunjan											6												1				1
Serian																											
Sri Aman						3					1																1
L/ Antu																											1
Betong											1																1
Saratok																											
Sarikei						2					1																
Meradong											1		1														
Pakan/Julau						1							1														
Daro																											
Matu																											
Dalat											2																
Mukah											1																
Sibu											8																
Kanowit						1					1																
Selangau													1														
Song																											
Kapit									1				10														1
Belaga						1					3		1														
Tatau						1					1																
Bintulu						1			12		24		2														
Miri						2			5		8																
Marudi						1							9														
Limbang																											
Lawas																											
TOTAL (Week 39)	0/0	0	0	0	0	16	0	0	39	0	78	0	25	1	1	0	0	0	0	0	0	0	0	1	0	0	15
Total (2011)	77/58	0	0	252	0	753	9	0	1099	307	1973	10	1295	31	175	0	0	0	102	1	1332	4	0	106	9	0	99
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.

\*\*\*\*No update figure from STD/AIDS Section

**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 case was reported in Epid. Week 39, 2011.

The cumulative total HIV cases were 77 and all cases were adults. The cumulative total AIDS cases were 58.

#### **3.1.2. Cholera**

No case reported in Epid. Week 39, 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 39, 2011.

A cumulative total of nine suspected dysentery cases were reported but only two cases was confirmed to be *Ameabic dysentery and Shigellosis*. The others were negative for microbiological analyses.

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

Six episode of food poisoning cluster/outbreaks were reported in Epid. Week 39, 201, involving a total of 39 cases. Each from Miri, Bintulu, Kapit, Mukah, Lundu and Kuching districts.

The cumulative total of food poisoning cases were 1,099 that consist of 46 outbreaks. Out of 46 outbreaks, 23(50.00%) or half were involved schools (12 primary; 11 secondary). SMK Sri Patiambun had three episodes of food poisoning outbreak this year.

#### **3.1.5. Gonorrhoea**

No case reported in Epid. Week 39, 2011.

Out of the cumulative total of 307 cases reported, 305 were adults and only two cases confirmed as gonococcal neonatorum.

### **3.1.6. Leprosy**

No case reported in Epid. Week 39, 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**

One suspected case was reported in Epid. Week 39, 2011 from Kuching district.

The patient is a two months old Malay baby boy presented with paroxysmal cough and vomiting (after coughing). He was admitted to SGH Kuching and treated with antibiotic. Nasopharyngeal aspirate taken for PCR test and the result is still pending.

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.

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

One suspected measles case was reported in Epid. Week 39, 2011, from Bau district.

This case is a 16 years old Bidayuh male from Bau notified by medical officer from SGH Kuching. He presented with fever on 24<sup>th</sup> September 2011 and rashes appeared on 26<sup>th</sup> September 2011 while still in orthopaedic ward (admission due to RTA). Not known to have received measles vaccination before. Blood samples taken for serology but result is still pending.

The cumulative total of suspected measles cases was 175. Of these, only three 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.

**Note: Cases from the two clusters in Miri are still not registered in SM2.**

### **3.1.9. Syphilis**

No case reported in Epid. Week 39, 2011.

The cumulative total of syphilis cases were 102.

### **3.1.10. Tetanus**

No case reported in Epid. Week 39, 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)**

As at 1<sup>st</sup> October 2011, a cumulative total of 1,332 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 39, 2011.

The cumulative total confirmed as 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 C case was reported in Epid. Week 39, 2011; the patient is a 75 years old Malay male from Sebuyau, Simunjan. Admitted to Hospital Betong but no clinical presentation was specified.

The cumulative total of viral hepatitis cases were 106. Of these, 52 cases were Hepatitis B where 14 were acute and 38 were chronic. Another 54 cases were Hepatitis C where 23 cases were acute and 31 were chronic.

### **3.1.14. Viral Encephalitis**

No case reported in Epid. Week 39, 2011.

The cumulative total of viral encephalitis cases were nine. Of these, one case was 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.**

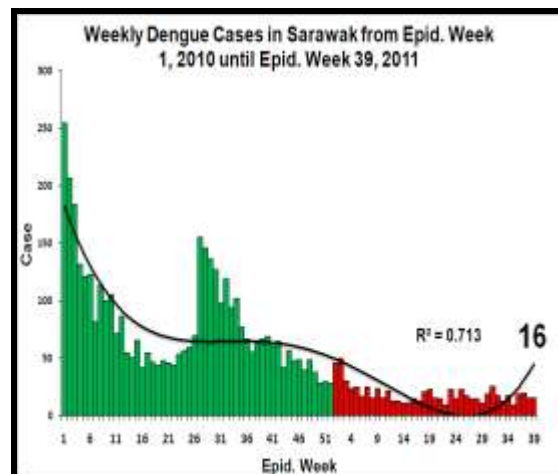


#### 4. VECTOR BORNE DISEASES: DENGUE, MALARIA AND CHIKUNGUNYA

##### 4.1. Notified Dengue cases for Epid. Week 39, 2011 compared to Epid. Week 39, 2010 and cumulative cases till Epid. Week 39 in 2010.

District	2011		2010		
	EW 39	Cum.	EW 39	Cum.	Total
Lundu	0	9	1	57	69
Bau	0	23	4	108	123
Kuching	3	82	8	405	473
Samarahan	0	19	0	82	97
Asajaya	0	4	1	10	10
Serian	0	13	3	129	140
Simunjan	0	11	0	43	47
Sri Aman	3	40	0	82	96
Lubok Antu	0	20	0	40	53
Betong	0	11	0	23	30
Saratok	0	6	0	18	20
Sarikei	2	20	2	78	91
Meradong	0	11	0	48	53
Pakan	0	15	0	25	30
Julau	1	14	0	14	20
Daro	0	6	4	73	95
Matu	0	1	0	25	25
Dalat	0	2	1	10	14
Mukah	0	4	0	34	39
Sibu	0	60	19	902	1021
Kanowit	1	25	2	50	64
Selangau	0	9	0	16	32
Song	0	10	1	11	16
Kapit	0	27	2	140	158
Belaga	1	22	0	27	39
Tatau	1	32	0	26	40
Bintulu	1	89	6	205	237
Miri	2	96	11	719	816
Marudi	1	48	1	106	126
Limbang	0	18	1	106	131
Lawas	0	6	0	22	35
Sarawak	16	753	67	3634	4240

EW = Epid. Week



A total of 16 dengue cases were reported in Epid. Week 39, 2011 compared to 67 cases during the same period in 2010.

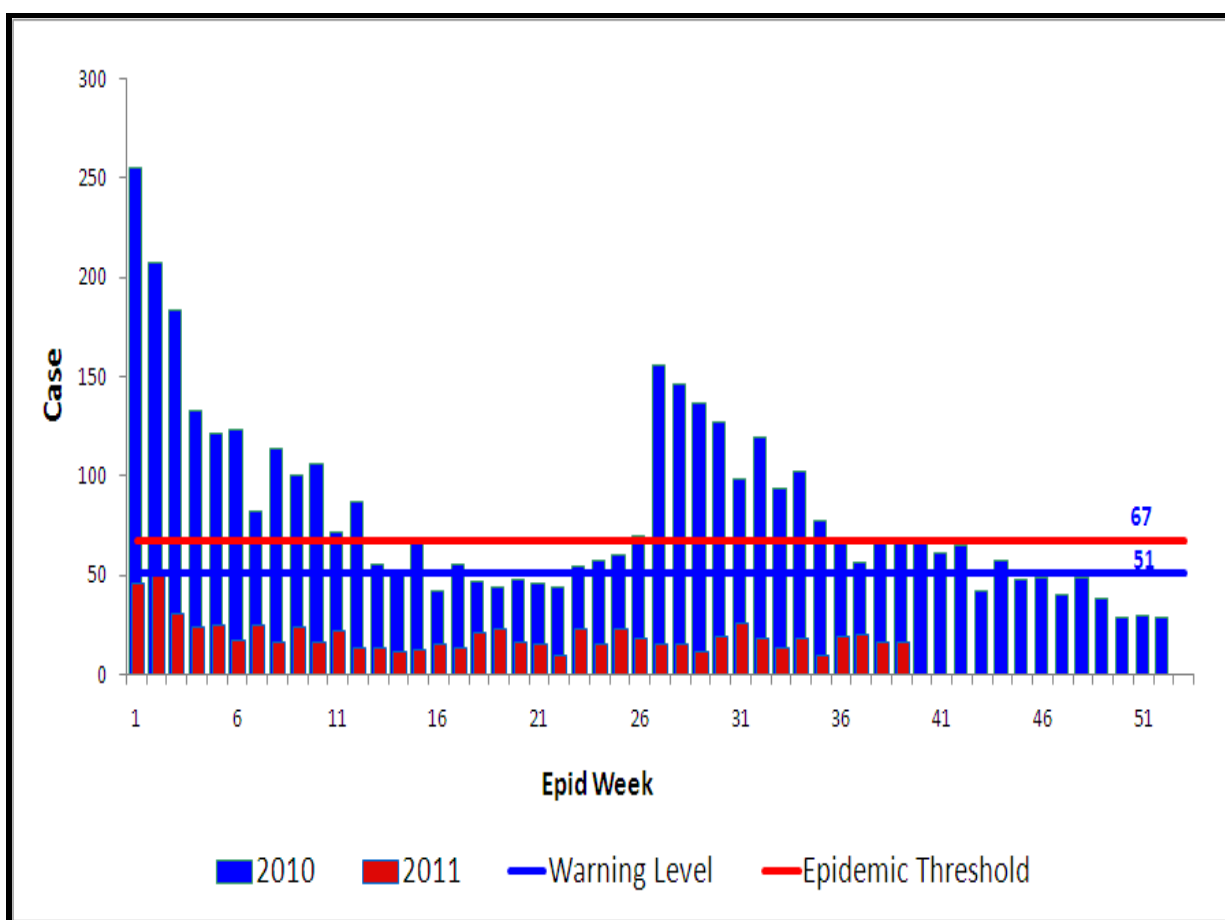
The trend is similar with previous Epid. Week.

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

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

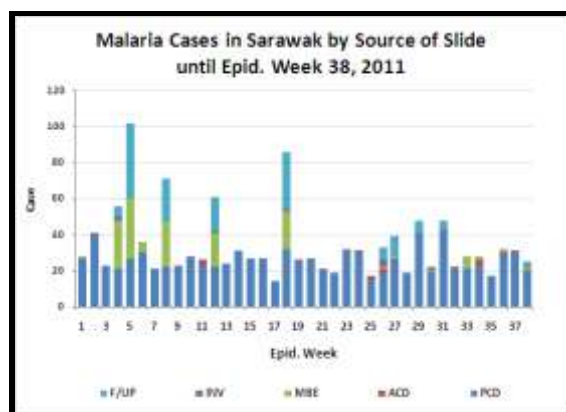
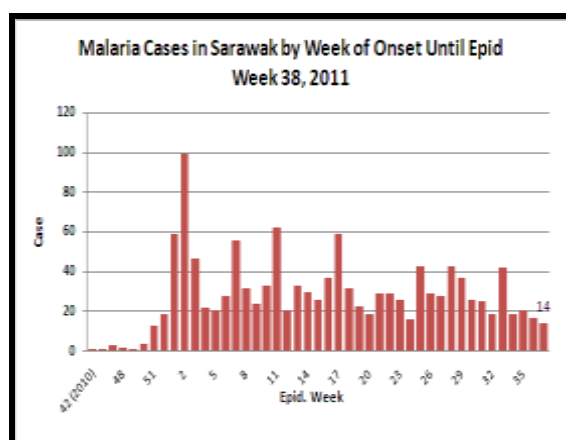
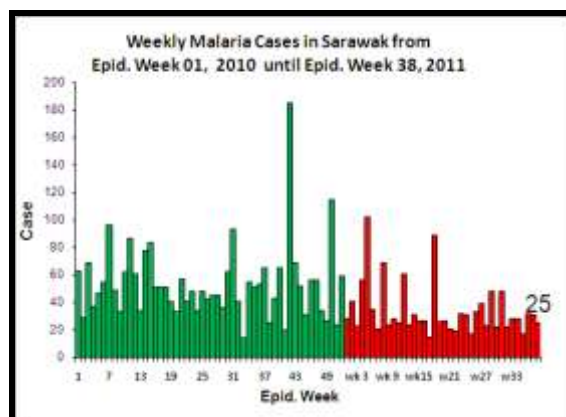
1. Miri
2. Bintulu
3. Kuching
4. Sibu
5. Marudi

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



4.2. Notified Malaria cases for Epid. Week 38, 2011 compared to Epid. Week 38, 2010 and cumulative cases till Epid. Week 38 in 2011.

District	2011		2010		Total
	EW 38	Cum.	EW 38	Cum.	
Lundu	0	29	0	64	72
Bau	0	3	0	8	9
Kuching	0	13	0	21	27
Samarahan	0	3	0	1	2
Asajaya	0	0	0	0	0
Simunjan	0	2	0	16	17
Serian	0	18	1	53	58
Sri Aman	0	13	0	17	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	1	9	0	2	3
Pakan	0	18	0	12	14
Julau	1	57	1	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	1	31	43
Kanowit	0	58	0	49	65
Selangau	1	11	0	7	9
Song	0	54	0	34	46
Kapit	10	161	2	94	134
Belaga	1	99	7	256	300
Tatau	0	22	2	11	12
Bintulu	2	34	0	21	39
Miri	0	23	0	22	32
Marudi	9	515	9	1116	1734
Limbang	0	14	0	27	29
Lawas	0	26	2	29	33
Sarawak	25	1295	25	1966	2802



A total of 25 cases were reported in Epid. Week 38, 2011. Cumulative cases till week 38 were 1,295. Of the 1,295 cases, 515 cases (39.8%) from Marudi District, 161 cases (12.4%) from Kapit District and 99 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 38	Epid. Week 1 – Epid. Week 38
Passive Case Detection (PCD)	19	956
Active Case Detection (ACD)	1	14
Investigation slides ( INV)	0	12
Mass Blood Survey (MBS)	1	155
Follow-up	4	157
<b>Total</b>	<b>25</b>	<b>1295</b>

#### 4.2.2 Cases by species

Species	Epid. Week 38	Epid. Week 1 – Epid. Week 38
<i>Plasmodium vivax</i>	13	731
<i>Plasmodium falciparum</i>	3	68
<i>Plasmodium malariae</i> <sup>#</sup>	1	256
<i>Plasmodium knowlesi</i>	8	234
<i>Plasmodium ovale</i>	0	1
Mixed infection	0	5
<b>Total</b>	<b>25</b>	<b>1295</b>

Notes: # May include *Plasmodium knowlesi*

#### 4.2.3. Cases classification

Classification	Epid. Week 38	Epid. Week 1 – Epid. Week 38
Indigenous	18	1011
*Imported A	7	168
Relapsed	0	115
Congenital	0	1
<b>Total</b>	<b>25</b>	<b>1295</b>

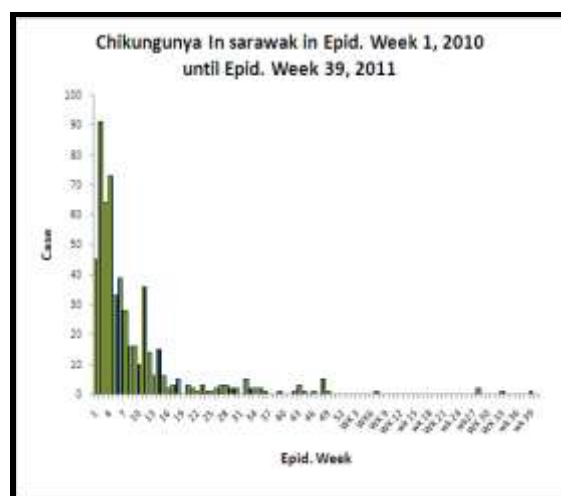
#### 4.2.4. The source of infection of the \*Imported A cases and the species involved.

No.	District reported	Source of infection	Nationality	Case (No.)	Species
1	Bintulu	Bongaliia (PNG) Limited, Papua New Guinea	Malaysian	1	<i>P. vivax</i>
2	Kapit	KKB Bata, Papua New Guinea	Malaysian	1	<i>P. vivax</i>
3		KKB Bata, Africa	Malaysian	2	<i>P. falciparum</i>
4		KKB Shimer International Bata, Africa	Malaysian	1	<i>P. falciparum</i>
5		KKB Solomon, Australia	Malaysian	1	<i>P. vivax</i>
6	Belaga	Tiam Syun Camp, Bongallia (PNG) Limited, Papua New Guinea	Malaysian	1	<i>P. vivax</i>

**4.3. Notified Chikungunya cases for Epid. Week 38, 2011 compared to Epid. Week 38, 2010 and cumulative cases till Epid. Week 38 in 2010.**

District	2011		2010		
	EW 39	Cum.	EW 39	Cum.	Total
Lundu	0	0	0	1	1
Bau	0	0	1	13	13
Kuching	0	1	0	72	72
Samarahan	0	0	0	2	3
Asajaya	1	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	1	5	1	538	550

EW = Epid Week



One case of Chikungunya was reported in Epid. Week 39, 2011. During the same period in 2010, one case was also reported. The cumulative Chikungunya for 2011 were five cases.

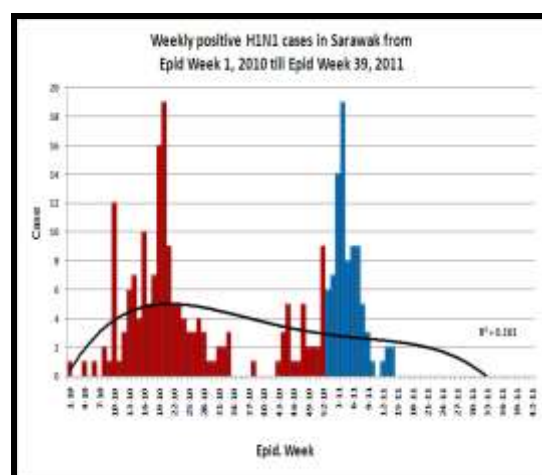
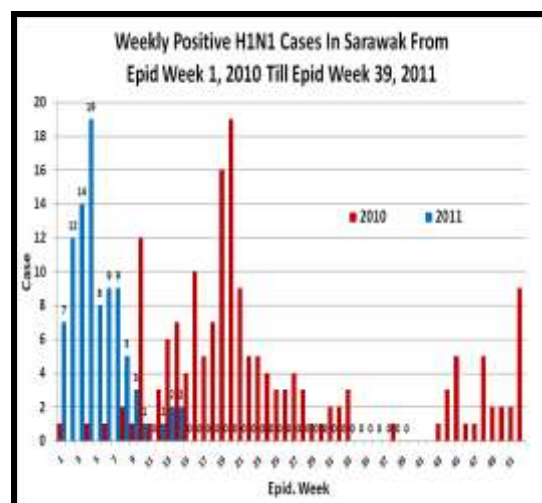
## 5. EMERGING/RE-EMERGING INFECTIOUS AND ZOO NOTIC DISEASES

### 5.1. H1N1

5.1.1 Positive Pandemic Influenza A (H1N1) cases for Epid. Week 39, 2011 compared to Epid. Week 39, 2010 and cumulative cases till Epid. Week 39 in 2011.

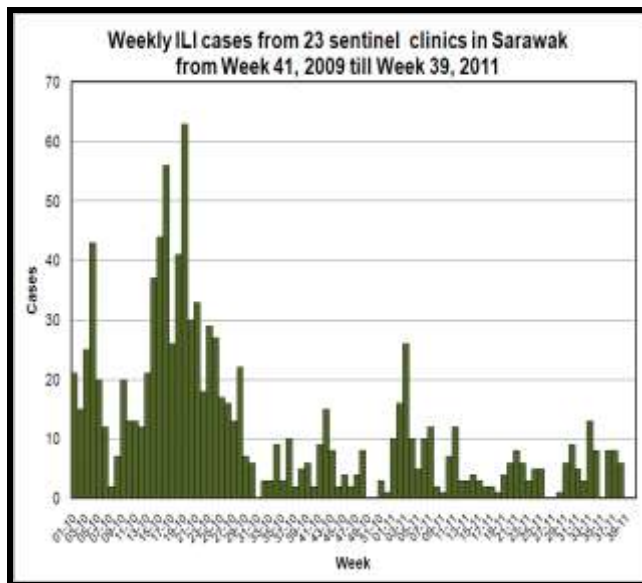
District	2011		2010		Total
	EW 39	Cum.	EW 39	Cum.	
Lundu	0	1	0	8	9
Bau	0	0	0	1	1
Kuching	0	51	0	42	61
Samarahan	0	0	0	8	8
Simunjan	0	0	0	3	4
Serian	0	0	0	2	2
Sri Aman	0	0	0	4	4
Lubok Antu	0	0	0	0	0
Betong	0	1	0	0	0
Saratok	0	0	0	0	0
Sarikei	0	0	0	2	2
Meradong	0	0	0	0	0
Julau	0	0	0	0	0
Daro	0	0	0	0	0
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



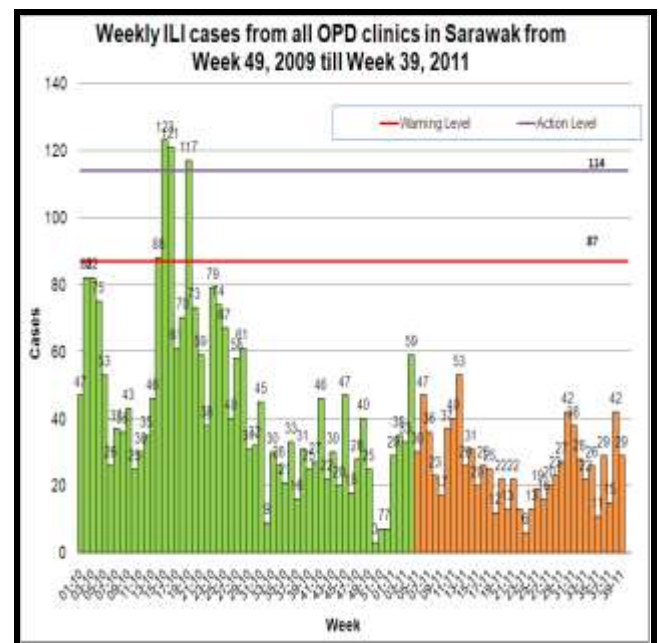
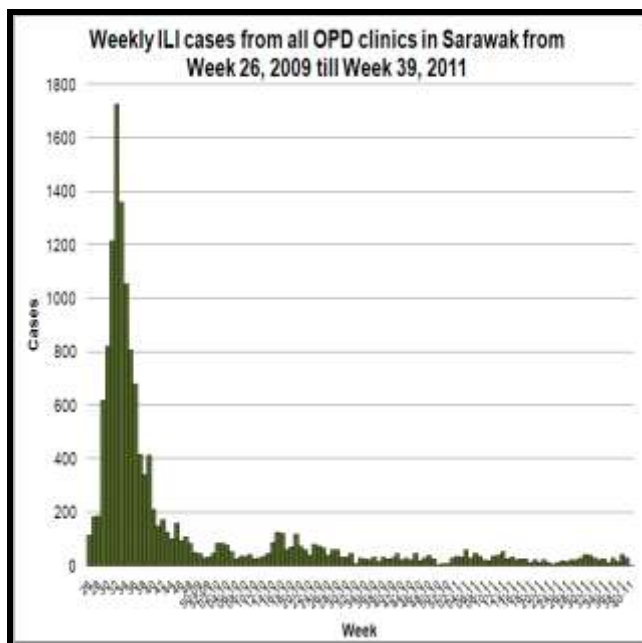
No H1N1 positive case was reported in Epid. Week 39, 2011. The cumulative total cases in 2011 were 92 cases compared to 138 cases reported during the same period in 2010.

### 5.1.2 Outpatient Influenza-Like Illness (ILI) Surveillance from Epid. Week 25 in 2009 till Epid. Week 39 in 2011.



In Epid. Week 39, 2011, no ILI case was reported from the 23 Sentinel clinics and all OPD clinics. This shows 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, CPKC Unit, CDC Section, Sarawak Health Department **BEFORE 10.00 am every day**.

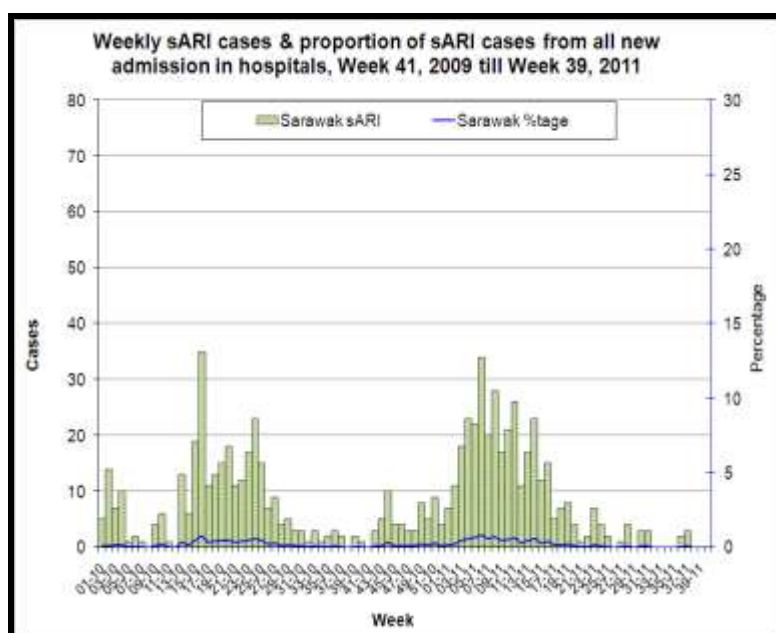


### 5.1.3. New and Cumulative ILI Clusters as of 1<sup>st</sup> October 2011.

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 01<sup>st</sup> October 2011.

Division	Hospital	New EW 39	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

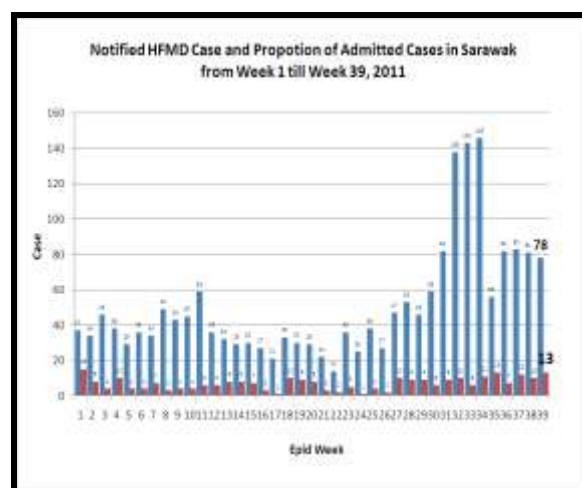
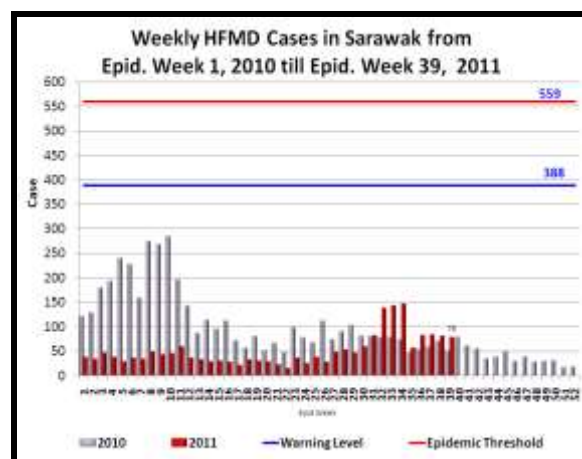
EW = Epid. Week

No sARI admission was reported in Epid. Week 39, 2011.

**5.2. Notified HFMD 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 2010
	EW 39	Cum.	EW 39	cum.	
Kuching	11	338	3	893	961
Bau	1	68	2	204	209
Lundu	0	20	0	66	86
<b>KUCHING</b>	<b>12</b>	<b>426</b>	<b>5</b>	<b>1163</b>	<b>1256</b>
Samarahan	8	86	0	126	127
Asajaya	0	26	0	5	7
Simunjan	6	14	1	34	37
Serian	0	21	0	24	25
<b>SAMARAHAN</b>	<b>14</b>	<b>147</b>	<b>1</b>	<b>189</b>	<b>196</b>
Sri Aman	1	80	0	136	145
Lubok Antu	0	12	0	23	23
<b>SRI AMAN</b>	<b>1</b>	<b>92</b>	<b>0</b>	<b>159</b>	<b>168</b>
Betong	1	34	1	77	103
Saratok	0	29	0	38	38
<b>BETONG</b>	<b>1</b>	<b>63</b>	<b>1</b>	<b>115</b>	<b>141</b>
Sarikei	1	129	0	198	206
Meradong	1	64	1	54	55
Pakan	0	4	0	37	37
Julau	0	3	0	21	24
<b>SARIKEI</b>	<b>2</b>	<b>200</b>	<b>1</b>	<b>310</b>	<b>322</b>
Daro	0	0	0	24	24
Matu	0	1	0	19	20
Mukah	1	41	1	241	259
Dalat	2	19	1	107	108
<b>MUKAH</b>	<b>3</b>	<b>61</b>	<b>2</b>	<b>391</b>	<b>411</b>
Sibu	8	97	6	481	517
Selangau	0	5	0	11	17
Kanowit	1	20	0	44	44
<b>SIBU</b>	<b>9</b>	<b>122</b>	<b>6</b>	<b>536</b>	<b>578</b>
Kapit	0	50	0	104	116
Song	0	11	0	29	29
Belaga	3	9	0	10	10
<b>KAPIT</b>	<b>3</b>	<b>70</b>	<b>0</b>	<b>143</b>	<b>155</b>
Bintulu	24	556	17	521	629
Tatau	1	26	0	17	28
<b>BINTULU</b>	<b>25</b>	<b>582</b>	<b>17</b>	<b>538</b>	<b>657</b>
Miri	8	159	18	755	911
Marudi	0	40	0	92	105
<b>MIRI</b>	<b>8</b>	<b>199</b>	<b>18</b>	<b>847</b>	<b>1016</b>
Limbang	0	8	0	54	54
Lawas	0	3	0	52	56
<b>LIMBANG</b>	<b>0</b>	<b>11</b>	<b>0</b>	<b>106</b>	<b>110</b>
<b>SARAWAK</b>	<b>78</b>	<b>1973</b>	<b>51</b>	<b>4497</b>	<b>5010</b>

EW = Epid. Week

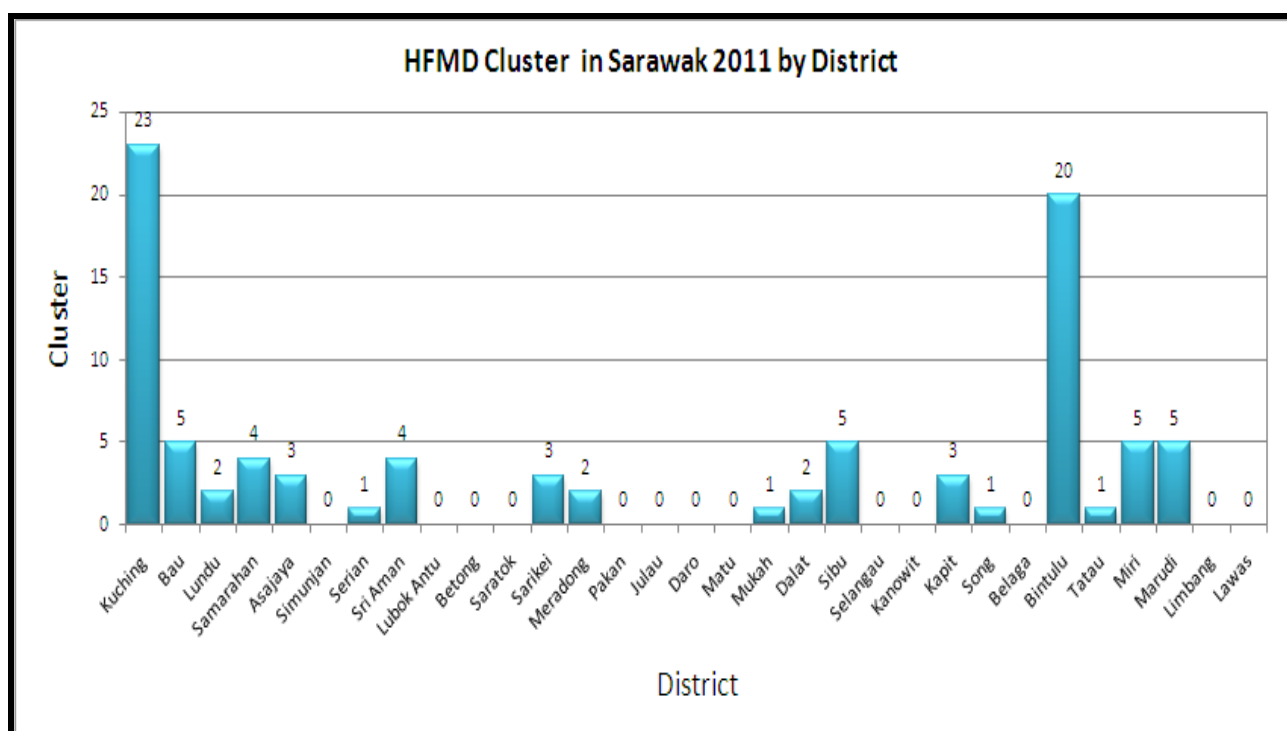
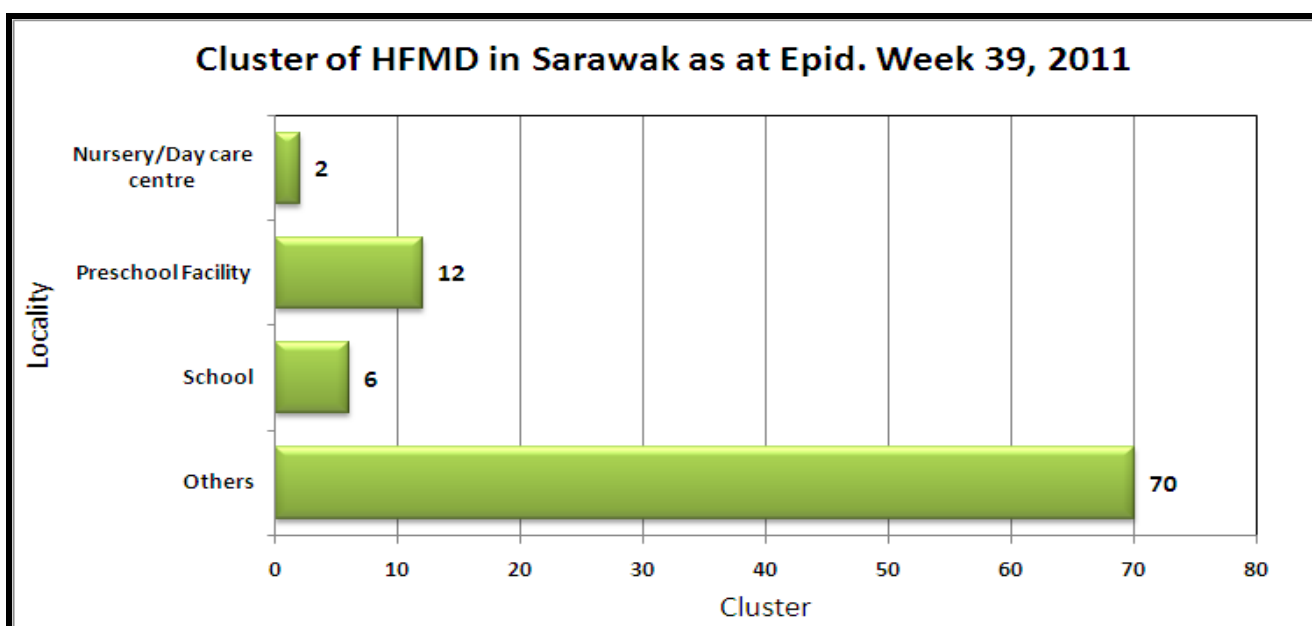


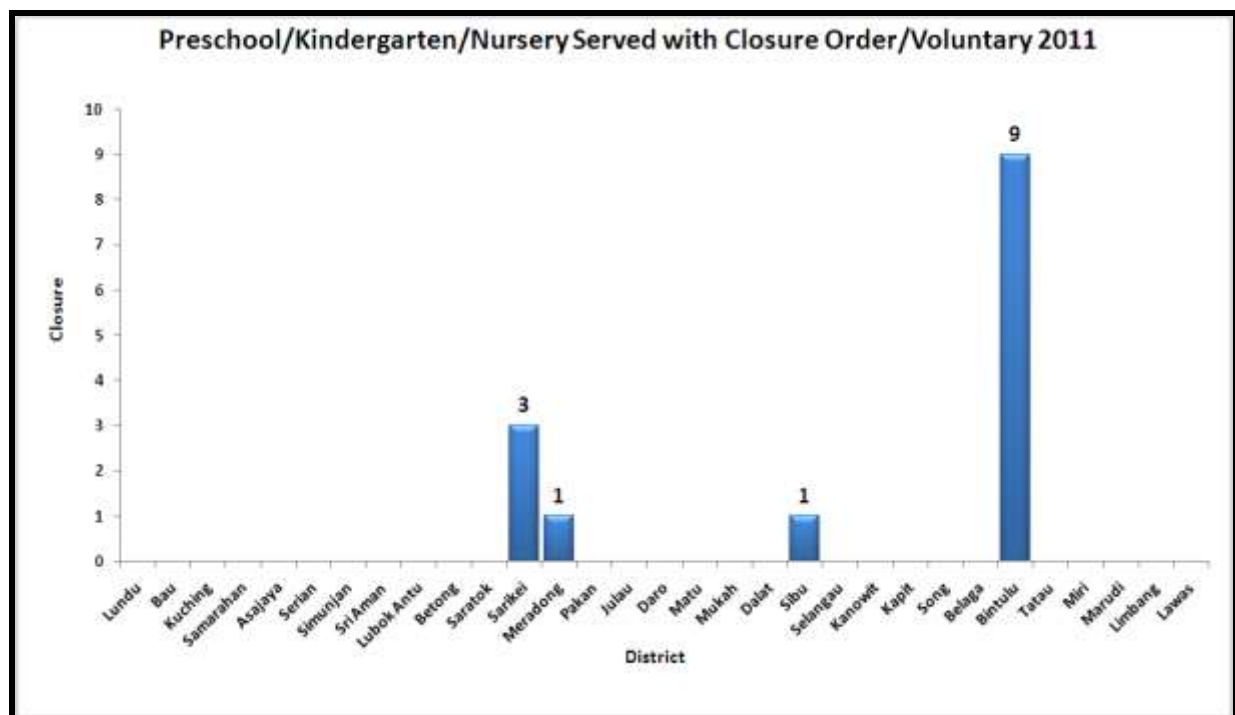
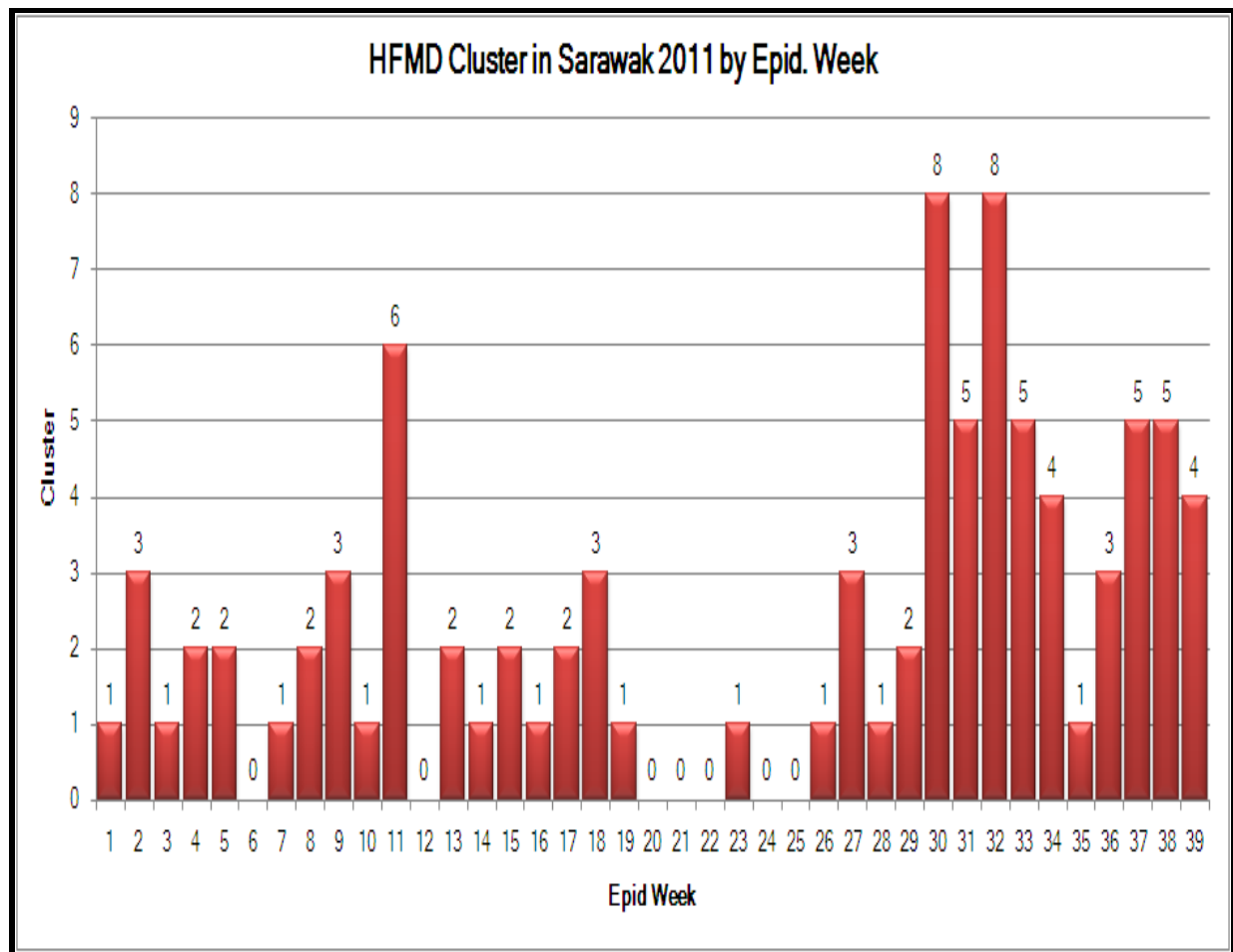
A total of 78 cases reported in Epid. Week 39, 2011. This was an increase of 9 cases from Epid. Week 38, 2011. A cumulative total of 1,973 cases reported compared to 4,497 cases during the same period in 2010.

### 5.2.1. Cumulative HFMD Clusters as of 1<sup>st</sup> October 2011.

Four HFMD clusters reported in Epid. Week 39, 201. One cluster involving a preschool at Sibu district and others are family clusters at Kapit and Samarahan district.

As at 1<sup>st</sup> October 2011, a total of 90 clusters reported. Of these, 70 (77.77%) were family cluster, 12 (13.33%) were cluster in preschool facilities, six (6.59%) were in school and two (2.22%) was in nursery or day care centre.





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

District	Case classification (positive)				Total positive leptospirosis	
	Confirmed		Probable		2011	2010
	EW 39/2011	EW 39/2010	EW 39/2011	EW 39/2010		
Bau	0	0	0	0	0	1
Lundu	0	0	0	0	0	0
Kuching	0	0	5	1	23	12
Asajaya	0	0	1	0	3	0
Samarahan	0	0	1	0	3	1
Serian	0	0	0	0	4	2
Simunjan	0	0	1	1	3	1
Sri Aman	0	0	1	0	7	1
Lubok Antu	0	0	1	0	6	3
Betong	0	0	1	0	4	0
Saratok	0	0	3	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	1	0	9	1
Belaga	0	0	0	0	3	0
Tatau	0	0	0	0	0	0
Bintulu	0	0	0	0	8	6
Miri	0	0	0	1	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>15</b>	<b>3</b>	<b>99</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

\* No. of case in year 2011 are according to source of infection/home address

**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 39, 2011 compared to Epid. Week 39, 2010 and cumulative cases till Epid. Week 39 in 2011.**

District	Blood test result				Total positive	
	Positive				2011	2010
	Culture		Serology			
	EW 39/2011	EW 39/2010	EW 39/2011	EW 39/2010		
Bau	0	0	0	0	1	0
Lundu	0	0	0	0	0	0
Kuching	0	0	0	2	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	0	0	47	162
Belaga	0	0	0	0	12	28
Tatau	0	0	0	0	3	14
Bintulu	0	0	0	2	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	0	4	90	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.

\* Any Melioidosis cases with culture result "No Growth" BUT "Positive" with IFAT Test  $\geq 1:80$  are Probable case.

#### 5.4.1. Locality of melioidosis outbreak in Sarawak as at 1<sup>st</sup> October 2011.

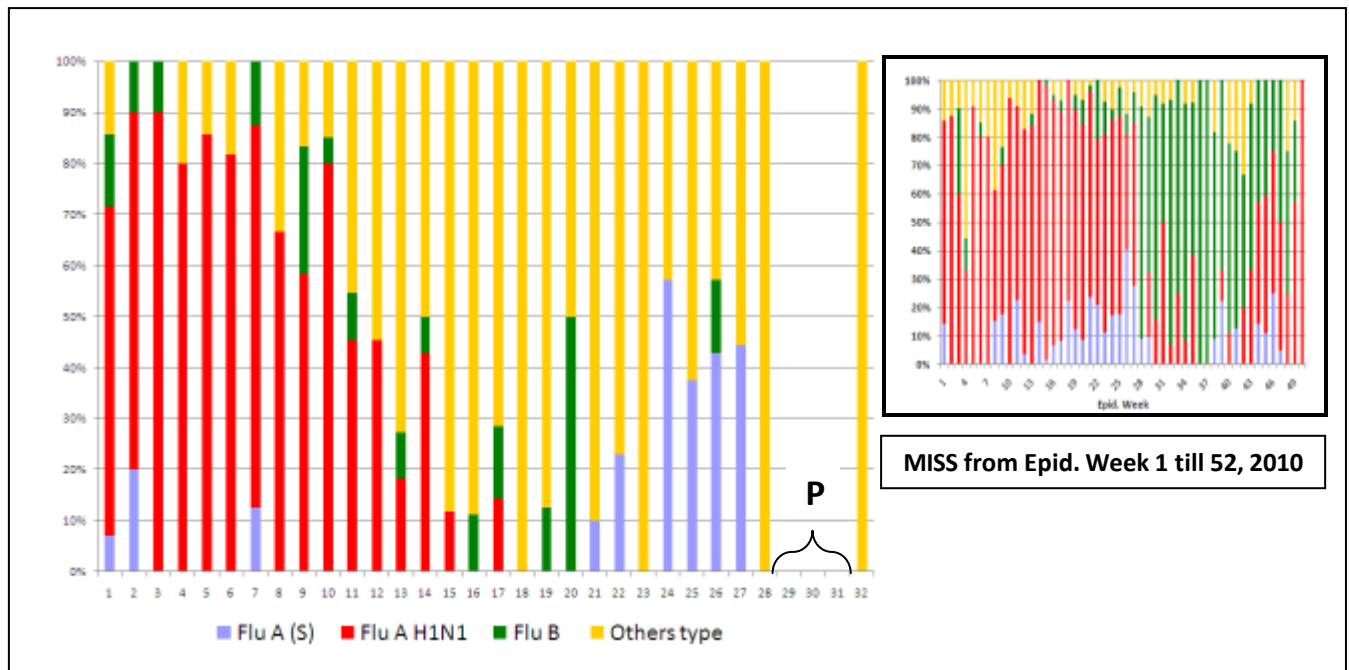
No	District	Locality	Number of cases	Outbreak declared
1	Belaga	Bakun Hydroelectric Project	3	15/02/2011
2	Kapit	Iron Wall Logging Camp	3	21/01/2011

**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).

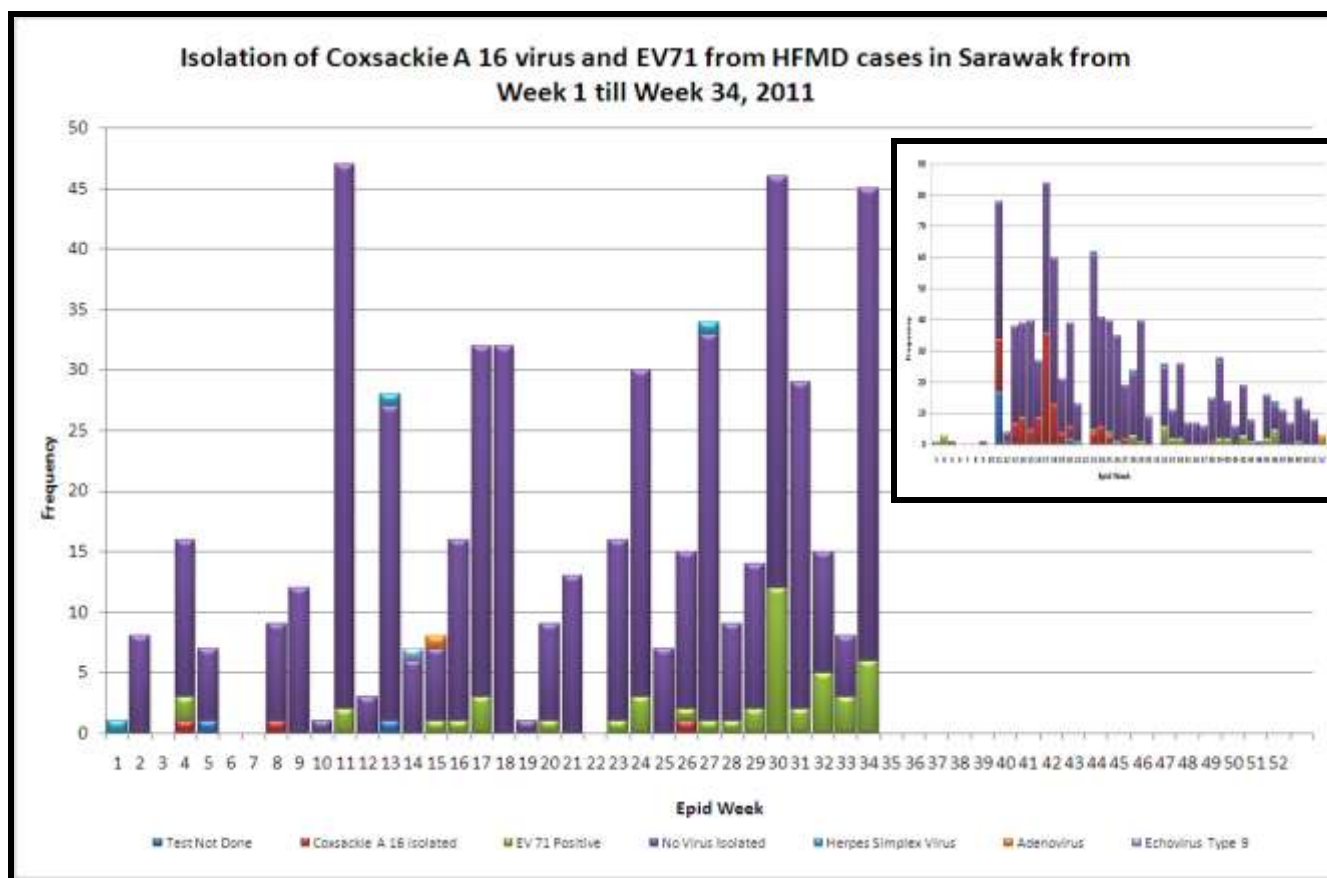
### 6.2. Laboratory Based Surveillance for Measles in Malaysia

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.

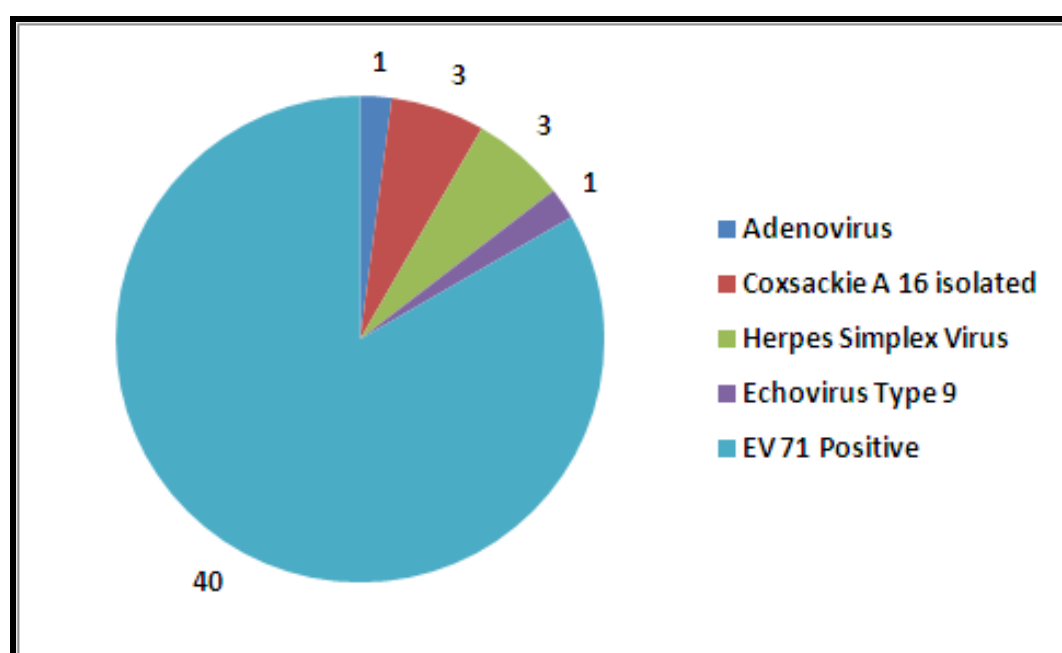
As at Epid. Week 29, 2011, a total of 1,931 specimens for viral isolation were sent to MKAK Sg. Buloh. Of these, 158 (7.8%) specimens positive for virus isolation: measles (31); rubella (115); herpes simplex virus 1 (2); and adenovirus (4).

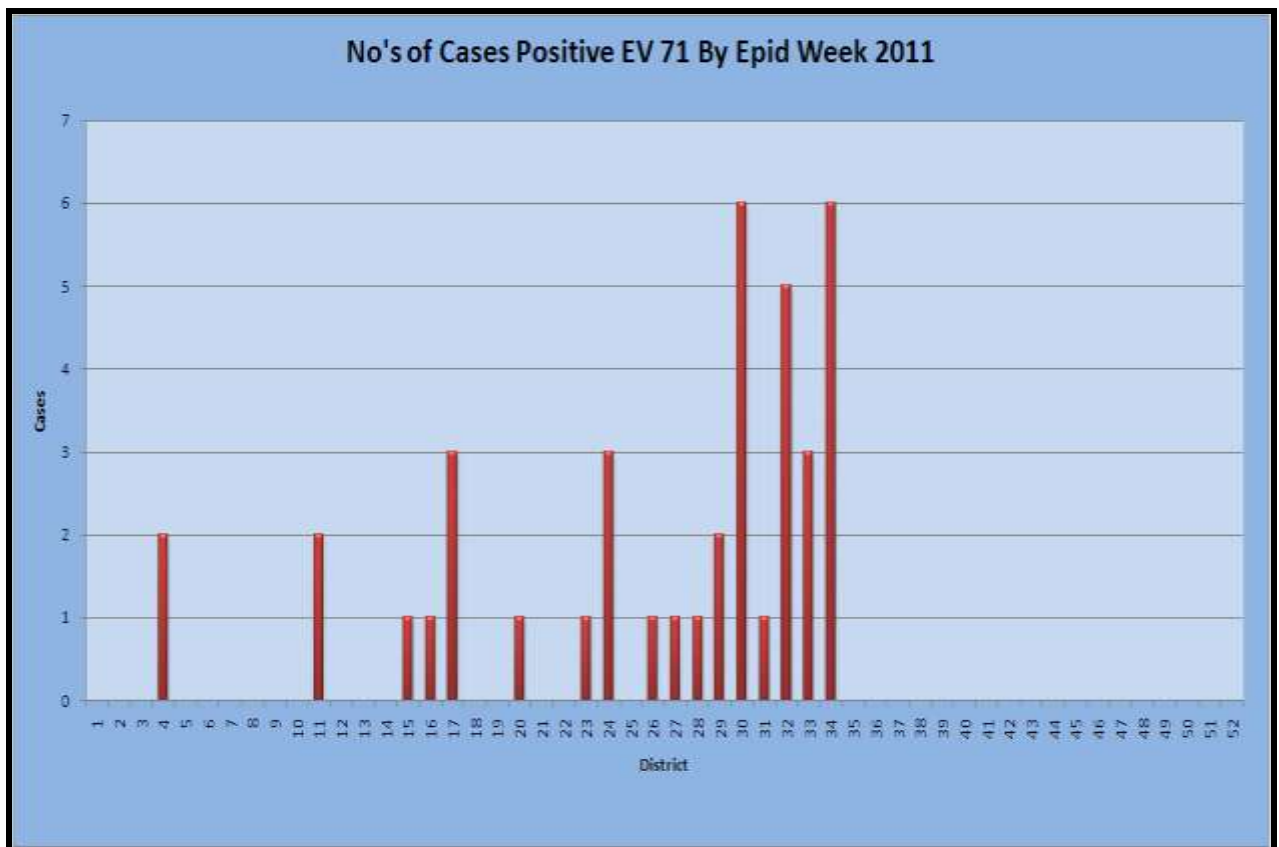
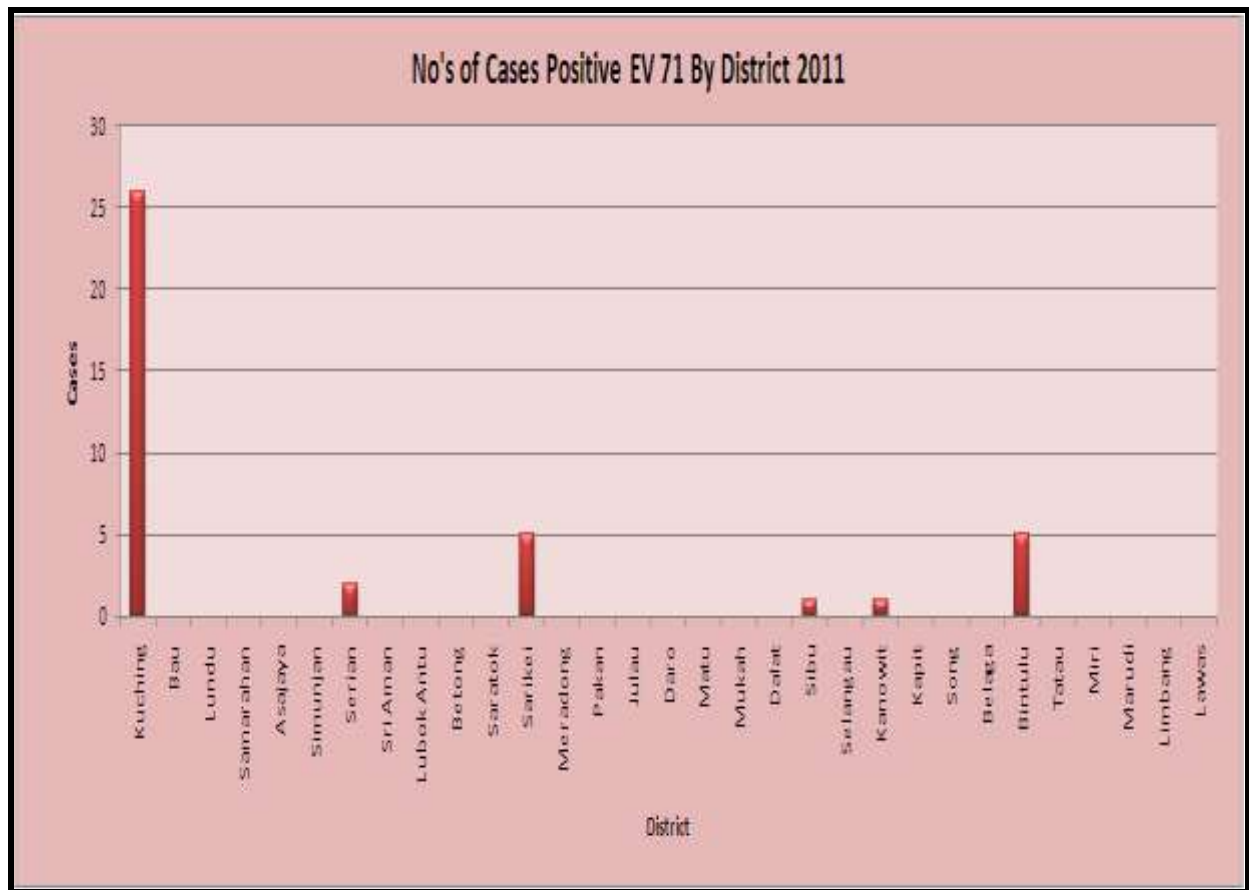
As at Epid Week 36, 2011, Sarawak had been sent 182 specimens for serology test. Six specimens positive for measles IgM and 32 positive for rubella IgM. As at Epid. Week 29, 2011, only 12 specimens for measles viral isolation from Sarawak were sent to MKAK Sg. Buloh but so far none were positive.

### 6.3. Laboratory Based Surveillance for HFMD in Sarawak from Epid Week 1 till Epid Week 39, 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 1<sup>st</sup> October 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.