



# SARAWAK

## WEEKLY EPID NEWS

Sarawak Health Department

WEEK 43

23<sup>th</sup> – 29<sup>th</sup> OCTOBER 2011

### INFECTIOUS DISEASE/CRISIS HIGHLIGHTS IN SARAWAK

In Epid Week 43, 2011, Sarawak Health Department had received a report of ILI outbreak involved students and teachers of SMK Bandar Bintangor, Meradong district.

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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	ILI	Meradong	SMK Bandar Bintangor	93	24.10.2011
2	Measles	Kuching	Lot 4679, Sumber Alam Sanctuary, Jalan Pelita off Jalan Sultan Tengah	2	24.10.2011
3	Mushroom poisoning	Mukah	Felcra Balingian Plantation Sdn Bhd	2	26.10.2011
4	HFMD	Kuching*	RPR. Taman Sri Muhibbah, Batu 13	2	20.10.2011
5		Betong*	Sedidik Mutiara Kalok	3	22.10.2011
6		Bintulu*	Summerville Villa	2	23.10.2011
7		Mukah*	Blok B, Perumahan PDRM	2	23.10.2011
8		Julau	Rh. Richard, Ulu Merurun	2	24.10.2011
9		Bau	Kpg. Apar	2	27.10.2011
10		Limbang	Rumah Berek, PGA Camp	2	29.10.2011
11	Dengue	Kanowit	Rh. Matin, Sg. Sebiru, Majau	2	26.10.2011

\*No report to CPRC, Sarawak Health Department

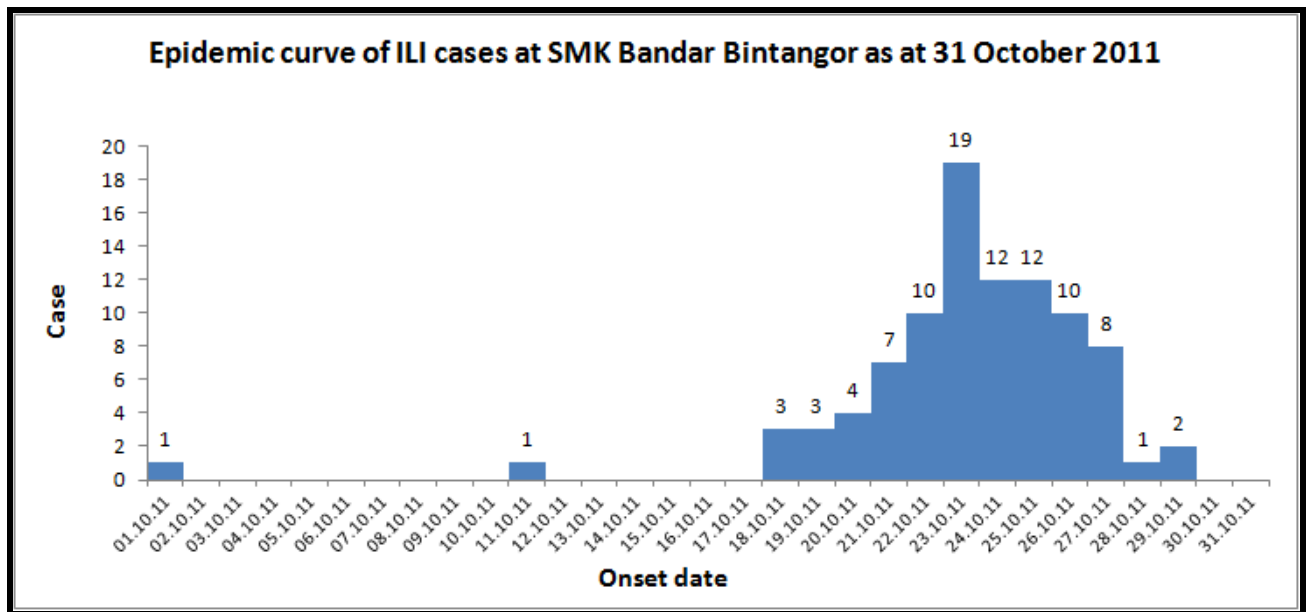
There were eleven clusters/outbreaks were reported in Epid. Week 43, 2011 to Sarawak Health Department.

### 2.1. Preliminary report of ILI outbreak at SMK Bandar Bintangor, Meradong District

An ILI outbreak in Meradong District was reported to Sarawak Health Department on 24 October 2011. The outbreak was declared on 24 October 2011 when 37 students from SMK Bandar Bintangor, Meradong District presented with fever, cough, sore throat, and conjunctivitis to Klinik Kesihatan (KK) Bintangor. Thirteen of them were admitted at Sarikei Hospital due to high grade fever and shortness of breath. The others were isolated for seven days at isolation room in SMK Bandar Bintangor. Case and field investigation for ILI outbreak started since then.

As at 31 October 2011, the total cases are 95 (male to female ratio = 1.6: 1) of which included two teachers (a female and male aged 26 and 48 respectively). The students aged range from 13 – 19 years old. Total admissions are 32. The main clinical presentations are fever, sore throat, cough,

headache, and running nose. Less than 15 cases had complained of shortness of breath, GI symptoms, conjunctivitis, arthralgia, and myalgia. Thirteen out of 18 serums sent for leptospirosis rapid test at SGH were positive and sent to MKAK Sg Buloh for MAT confirmation test. Twenty-five throat swab specimens were taken; 15 sent to MKAK Sg. Buloh and 10 sent to SGH. None of the specimens were positive for H1N1 and adenovirus.



### 3. MANDATORY NOTIFIABLE DISEASES REPORTED IN EPID. WEEK 43, 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								1								
Bau										3	8																
Kuching										4	20			1	5				3								4
Samarahan										1	2																1
Asajaya																											
Simunjan																											
Serian																											
Sri Aman											2																
L/ Antu											1																
Betong											3																
Saratok											1																2
Sarikei											3																
Meradong											1																
Pakan/Julau											2																
Daro											1																
Matu																											
Dalat																											
Mukah									2		8																
Sibu											2																
Kanowit																											
Selangau																											
Song																			1								
Kapit																											
Belaga																											
Tatau																											
Bintulu											5																
Miri											4																
Marudi																											
Limbang																											
Lawas																											
TOTAL (Week 43)	0/0	0	0	0	0	0	0	0	2	8	64	0	0	1	5	0	0	0	5	0	0	0	0	0	0	0	7
Total (2011)	82/58	0	0	252	0	786	9	0	1310	344	2440	10	1406	33	198	0	0	0	124	1	1499	4	0	111	9	0	108
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 9<sup>th</sup> December 2010.**

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

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

One mushroom poisoning was notified from Mukah district in Epid. Week 43, 2011, involved two Indonesian men at Felcra Balingian Plantation Sdn Bhd.

The cumulative total of food poisoning cases were 1,310 that consist of 51 outbreaks. Out of 51 outbreaks, 26 (52.0%) involved schools (14 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 43, 2011.

The cumulative 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 43, 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 43, 2011.

The cumulative total confirmed as typhoid cases were three (two typhoid 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)**

Four suspected measles cases and one family cluster were reported in Epid. Week 43, 2011.

A family cluster involved two cases from Kuching district. The first case is a three years old Malay kindergarten boy Tadika ABIM Jalan Samariang, and the second case is a 5 years old boy. Both presented with fever, rash and coryza presented with fever, rash and coryza. ACD done at home and kindergarten but no case detected. Field investigation could not find source of infection. Both had received one dose of MMR vaccination at 1 year old.

The third case is a one year old Malay girl from Tabuan Jaya, Kuching, presented with fever, rash and coryza. Admitted to Kuching Specialist Centre (KPJ). Her cousin is having the same signs and symptoms two week before and sought treatment at KPJ. Their grandparents were just coming back from Qatar and the family had a trip to Damai Beach Resort few days before onset. The child has not received MMR vaccination yet.

The forth case is a six years Malay girl from Kpg. Semerah Padi Baru, Kuching. She presented with fever, rash and cough. No history of contact with other person with the same sign and symptom; and no history of travelling to other country. She had received one dose of MMR vaccination.

The fifth case is a one year old Chinese boy from Jalan Quap, 10<sup>th</sup> mile, Jalan Kuching Serian, Kuching, presented with fever and rash only. No other family members having the same sign and symptom. He had no history of contact with other people or travelling to other place. The child has not received MMR vaccination.

The cumulative total of suspected measles cases was 198. Of these, only six 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**

One case was reported in Epid. Week 43, 2011. The patient is a two months old Malay baby girl from Kpg. Rampangi, Kuching. Presented with paroxysmal cough and vomiting after coughing. She was admitted to SGH Kuching on the 24<sup>th</sup> October 2011 and given antibiotic. Nasopharyngeal swab for culture and PCR were taken but results are still pending.

Out of the cumulative total of 33 suspected pertussis cases reported in 2011, four cases were confirmed by culture (SGH Kuching: 3; Miri: 1) and three cases confirmed by PCR.

### **3.2.3. Tetanus**

No case reported in Epid. Week 43, 2011.

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

### **3.2.4. Viral Hepatitis**

No new case of acute Hepatitis C was reported in Epid. Week 43, 2011.

The cumulative total of viral hepatitis cases were 134. Of these, 66 cases were Hepatitis B where 29 were acute and 37 were chronic. Another 68 cases were Hepatitis C where 26 cases were acute and 42 were chronic.

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

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

No HIV case was reported in Epid. Week 43, 2011 from Miri district.

The cumulative total HIV cases were 82 and all were adults. The cumulative total AIDS cases were remained as 58.

#### **3.3.2. Gonorrhoea**

Eight gonorrhoea cases were reported in Epid. Week 43, 2011. Four cases reported from Kuching, three cases from Bau and one from Samarahan district.

Out of the cumulative total of 344 cases reported, 343 were adults and only two cases confirmed as gonococcal neonatorum.

#### **3.3.3. Syphilis**

Five cases were reported in Epid. Week 43, 2011 from Kuching (3), Lundu (1) and Song (1) district.

The cumulative total of syphilis cases were 124.

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

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

As at 22<sup>th</sup> October 2011, a cumulative total of 1,499 cases reported in 2011. In 2010, the total number of cases were 1,987.

#### **3.4.2. Leprosy**

No case reported in Epid. Week 43, 2011.

The cumulative total of leprosy cases were 20, one case was foreigner and nineteen 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**

No case reported in Epid. Week 43, 2011.

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

### ***3.6. Other infectious diseases***

#### **3.6.1. Filariasis**

No case of Filariasis was reported in Epid. Week 43.

Total cases for Filariasis reported up to Epid. Week 43, 2011 were five.

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

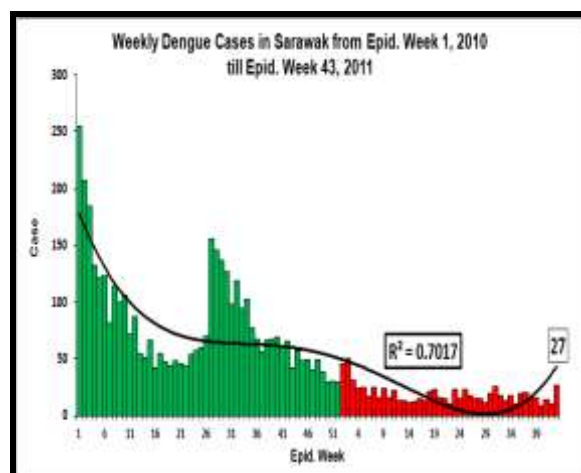


#### 4. VECTOR BORNE DISEASES: DENGUE, MALARIA AND CHIKUNGUNYA

##### 4.1. Notified Dengue cases for Epid. Week 43, 2011 compared to Epid. Week 43, 2010 and cumulative cases till Epid. Week 43 in 2010.

District	2011		2010		
	EW 43	Cum.	EW 43	Cum.	Total
Lundu	1	10	1	60	69
Bau	2	26	1	114	123
Kuching	5	96	6	429	473
Samarahan	0	20	1	90	97
Asajaya	0	4	0	10	10
Serian	2	15	0	134	140
Simunjan	1	13	0	43	47
Sri Aman	2	44	1	86	96
Lubok Antu	1	21	1	44	53
Betong	0	11	0	24	30
Saratok	0	7	1	19	20
Sarikei	0	22	1	85	91
Meradong	0	12	0	49	53
Pakan	1	16	2	27	30
Julau	0	14	1	18	20
Daro	0	6	2	79	95
Matu	0	1	0	25	25
Dalat	0	2	0	10	14
Mukah	0	5	0	35	39
Sibu	1	64	7	954	1021
Kanowit	4	29	0	58	64
Selangau	0	9	0	24	32
Song	0	10	0	13	16
Kapit	0	27	2	151	158
Belaga	2	24	1	31	39
Tatau	0	35	1	29	40
Bintulu	0	91	3	216	237
Miri	4	105	8	755	816
Marudi	1	50	0	117	126
Limbang	0	18	2	119	131
Lawas	0	6	0	23	35
Sarawak	27	813	42	3871	4240

EW = Epid. Week



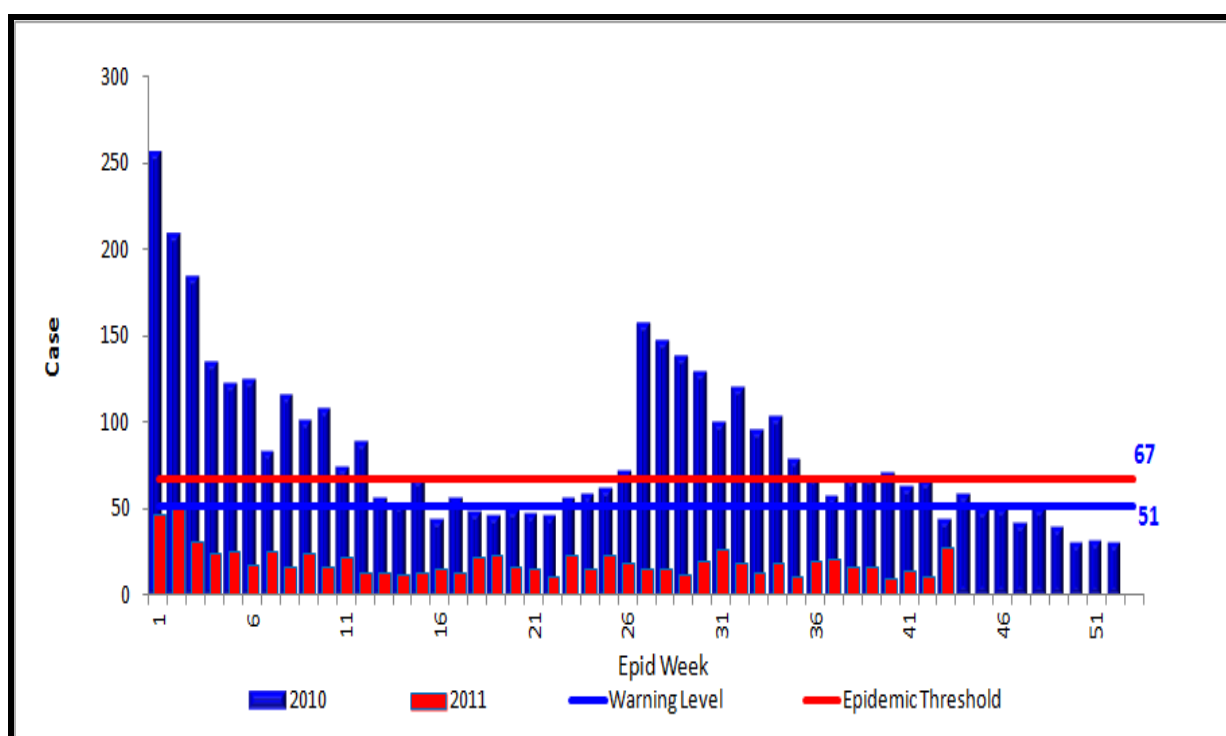
A total of 27 dengue cases was reported for Epid. Week 43, 2011 as compared to 42 cases during the same period in 2010.

**One new outbreak was reported and still active. No. uncontrolled outbreak locality was reported.**

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

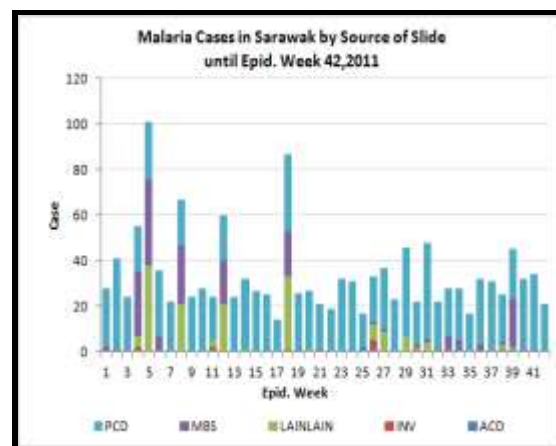
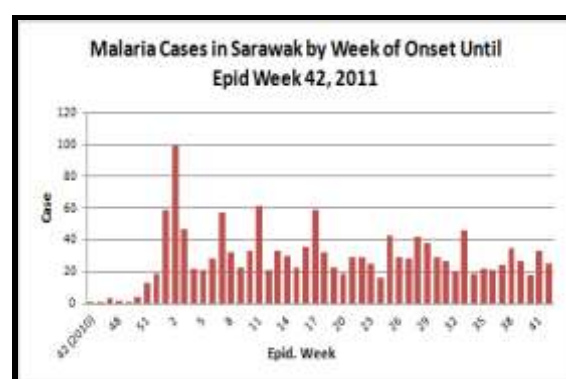
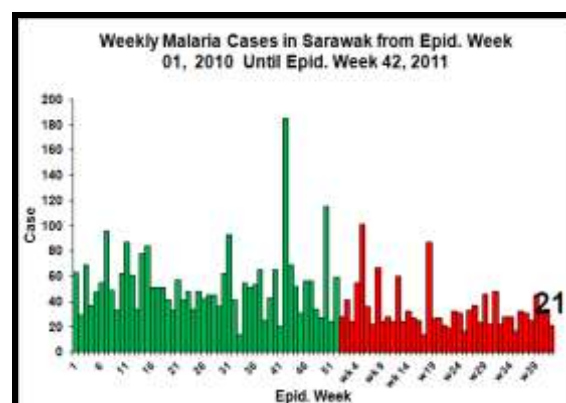
1. Miri
2. Kuching
3. Bintulu
4. Sibu

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



**4.2. Notified Malaria cases for Epid. Week 42, 2011 compared to Epid. Week 42, 2010 and cumulative cases till Epid. Week 42 in 2011.**

District	2011		2010		Total
	EW 42	Cum.	EW 42	Cum.	
Lundu	0	19	0	22	72
Bau	0	3	0	8	9
Kuching	0	28	1	66	27
Samarahan	0	3	0	1	2
Asajaya	0	0	0	0	0
Simunjan	0	20	0	56	17
Serian	0	2	1	17	58
Sri Aman	0	14	0	18	25
Lubok Antu	0	19	0	16	16
Betong	2	36	0	9	15
Saratok	0	2	0	4	4
Sarikei	0	15	0	6	8
Meradong	0	9	0	2	3
Pakan	0	21	0	14	14
Julau	0	62	1	27	34
Daro	0	2	0	5	1
Matu	0	0	0	0	1
Dalat	0	1	0	0	14
Mukah	0	8	0	13	6
Sibu	0	35	1	33	43
Kanowit	0	12	0	8	65
Selangau	0	68	1	54	9
Song	5	183	4	108	46
Kapit	0	58	0	35	134
Belaga	2	109	2	266	300
Tatau	1	36	2	27	12
Bintulu	1	27	1	12	39
Miri	0	31	1	25	32
Marudi	8	549	170	1370	1734
Limbang	1	17	0	27	29
Lawas	1	27	0	30	33
Sarawak	21	1416	185	2279	2802



A total of 21 cases were reported in Epid. Week 42, 2011. Cumulative cases till Epid. Week 42 were 1,416 cases. Of the 1,416 cases (39%) were from Marudi district 183 (13%) from Kapit district and 109 cases (7.7%) from Belaga district.

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

#### 4.2.1. Case detected by slide source

Slides source	Epid. Week 42	Epid. Week 1 – Epid. Week 42
Passive Case Detection (PCD)	21	1061
Active Case Detection (ACD)	0	13
Investigation slides ( INV)	0	13
Mass Blood Survey (MBS)	0	176
Follow-up	0	153
<b>Total</b>	<b>21</b>	<b>1416</b>

#### 4.2.2. Case by species

Species	Epid. Week 42	Epid. Week 1 – Epid. Week 42
<i>Plasmodium vivax</i>	12	792
<i>Plasmodium falciparum</i>	1	74
<i>Plasmodium malariae</i>	1	274
<i>Plasmodium knowlesi</i>	7	270
<i>Plasmodium ovale</i>	0	1
Mixed infection	0	5
<b>Total</b>	<b>21</b>	<b>1416</b>

#### 4.2.3. Case classification

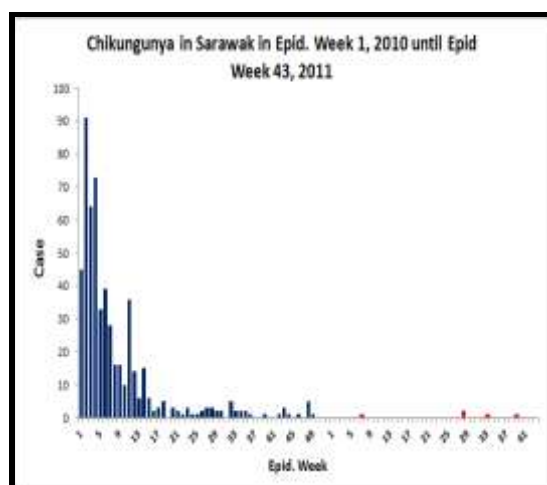
Classification	Epid. Week 42	Epid. Week 1 – Epid. Week 42
Indigenous	19	1228
*Imported A	2	186
Relapsed	0	1
Congenital	0	1
<b>Total</b>	<b>21</b>	<b>1416</b>

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

No.	District reported	Source of infection	Nationality	Age	Gender	Address in Sarawak	Species
1	Kapit	KKB Power Plant, Delta State, Nigeria	Malaysian	33	Male	No. 1637, Taman Ixora, Jalan Selirik.	<i>P. vivax</i>
2		KKB Cer Gurgui, Raba Island, Papua New Guinea.	Malaysian	42	Male	Rh. Jimbun, Sungai Baleh.	<i>P. vivax</i>

**4.3. Notified Chikungunya cases for Epid. Week 43, 2011 compared to Epid. Week 43, 2010 and cumulative cases till Epid. Week 43 in 2010.**

District	2011		2010		
	EW 43	Cum.	EW 43	Cum.	Total
Lundu	0	0	0	1	1
Bau	0	0	0	13	13
Kuching	0	1	0	72	72
Samarahan	0	0	1	3	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	12	13
Saratok	0	0	0	8	8
Sarikei	0	0	1	7	7
Meradong	0	0	0	25	25
Pakan	0	0	0	10	10
Julau	0	0	0	22	22
Daro	0	0	1	21	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	3	542	550



No case of Chikungunya was reported in Epid. Week 43, 2011. During the same period in 2010, three cases were reported. The cumulative case of Chikungunya for 2011 remained 5 cases.

EW = Epid Week

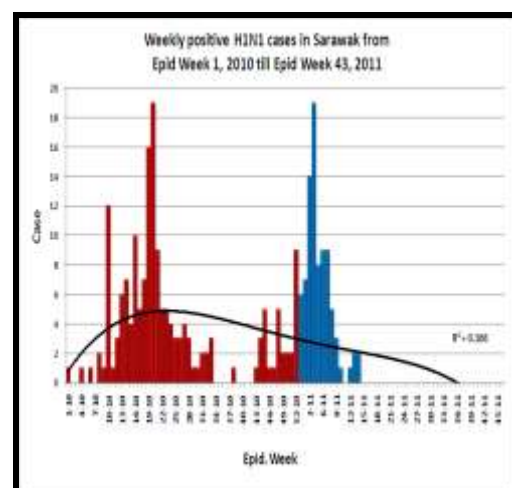
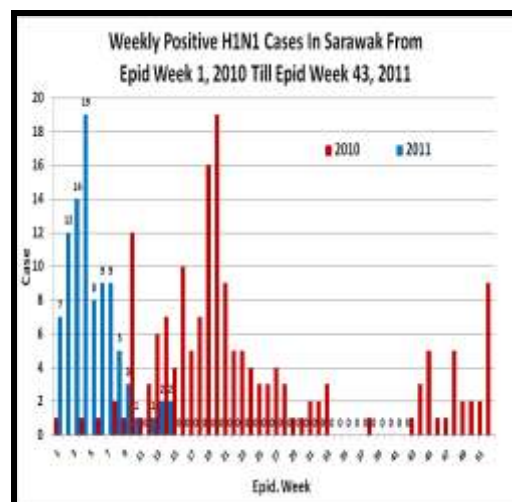
## 5. EMERGING/RE-EMERGING INFECTIOUS AND ZONOTIC DISEASES

### 5.1. H1N1

5.1.1 Positive Pandemic Influenza A (H1N1) cases for Epid. Week 43, 2011 compared to Epid. Week 43, 2010 and cumulative cases till Epid. Week 43 in 2011.

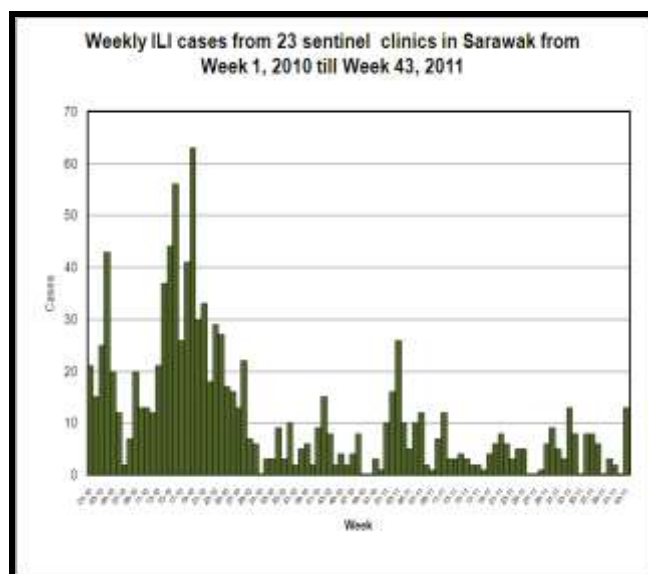
District	2011		2010		Total
	EW 43	Cum.	EW 43	Cum.	
Lundu	0	1	0	8	9
Bau	0	0	0	1	1
Kuching	0	51	1	43	61
Samarahan	0	0	0	8	8
Simunjan	0	0	0	3	4
Serian	0	0	0	2	2
Sri Aman	0	0	0	4	4
Lubok Antu	0	0	0	0	0
Betong	0	1	0	0	0
Saratok	0	0	0	0	0
Sarikei	0	0	0	2	2
Meradong	0	0	0	0	0
Julau	0	0	0	0	0
Daro	0	0	0	0	0
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	21	20
Lawas	0	1	0	2	2
<b>TOTAL</b>	<b>0</b>	<b>92</b>	<b>1</b>	<b>139</b>	<b>161</b>

EW = Epid. Week



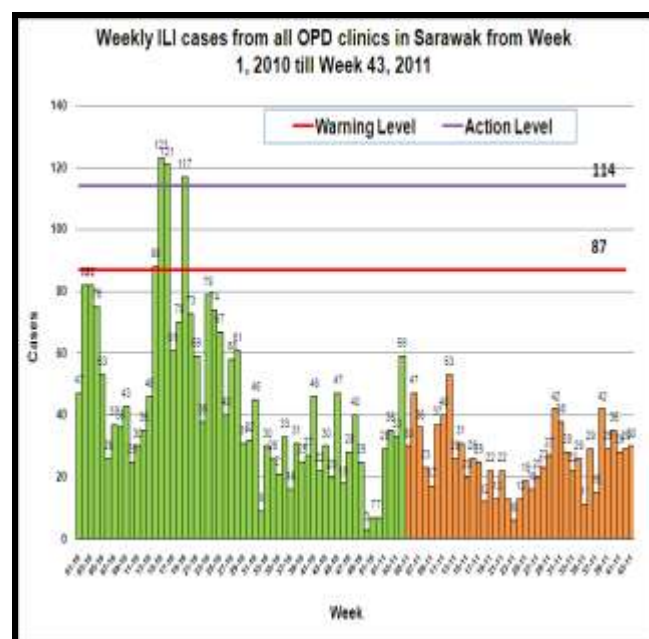
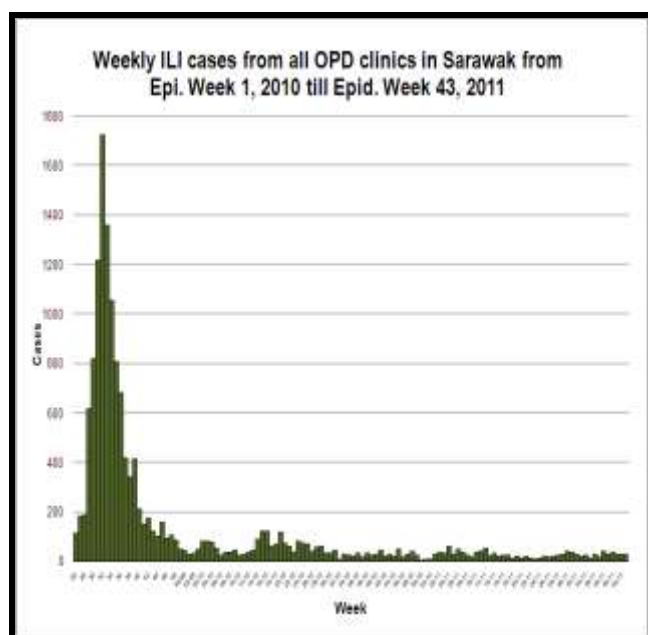
No H1N1 positive case was reported in Epid. Week 43, 2011. One case was reported during the same epid. Week last year. The cumulative total cases in 2011 were 92 cases compared to 139 cases reported during the same period in 2010.

### 5.1.2 Outpatient Influenza-Like Illness (ILI) Surveillance from Epid. Week 1 in 2010 till Epid. Week 43 in 2011.



In Epid. Week 43, 2011, 12 ILI cases were reported from 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/PKDs 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**.

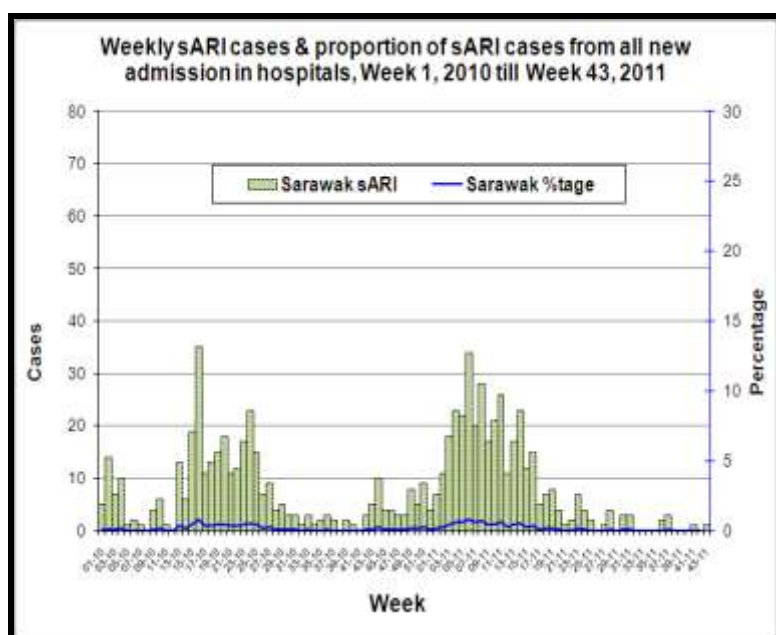


### 5.1.3. New and Cumulative ILI Clusters as of 29<sup>th</sup> October 2011.

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	1	0	1	1
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>1</b>	<b>14</b>	<b>5</b>	<b>19</b>

Note: First cluster in 2011 was detected on 31/12/2010 and the latest was on 24/10/2011.

#### 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 29<sup>th</sup> October 2011.

Division	Hospital	New EW 43	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	10	10	0	10	0	0	0	0	10
Sibu	Sibu	1	2	0	1	0	0	0	1	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
<b>Total</b>		<b>11</b>	<b>465</b>	<b>0</b>	<b>11</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>10</b>

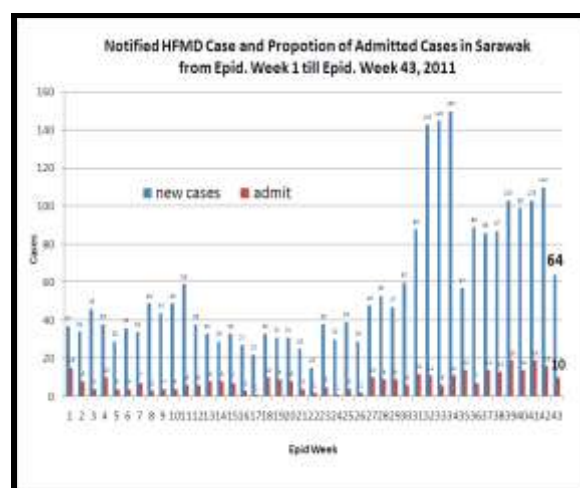
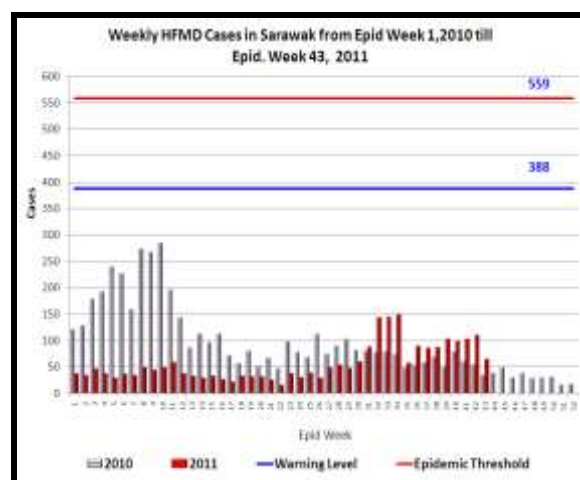
EW = Epid. Week

Eleven sARI admission was reported in Epid. Week 43, 2011. Ten from Sarikei Hospital and one from Sibu Hospital. All specimens from Sarikei were negative for Influenza AH1N1. Specimen from Hospital Sibu is still pending.

**5.2. Notified HFMD cases for Epid. Week 43, 2011 compared to Epid. Week 43, 2010 and cumulative cases till Epid. Week 43 in 2011.**

District	2011		2010		Total 2010
	EW 43	Cum.	EW 43	Cum.	
Kuching	20	438	4	927	961
Bau	8	80	0	208	209
Lundu	1	24	3	74	86
<b>KUCHING</b>	<b>29</b>	<b>542</b>	<b>7</b>	<b>1209</b>	<b>1256</b>
Samarahan	2	106	0	126	127
Asajaya	0	26	1	6	7
Simunjan	0	17	0	35	37
Serian	0	27	0	25	25
<b>SAMARAHAN</b>	<b>2</b>	<b>176</b>	<b>1</b>	<b>192</b>	<b>196</b>
Sri Aman	2	90	0	140	145
Lubok Antu	1	14	0	23	23
<b>SRI AMAN</b>	<b>3</b>	<b>104</b>	<b>0</b>	<b>163</b>	<b>168</b>
Betong	3	42	1	87	103
Saratok	1	32	0	38	38
<b>BETONG</b>	<b>4</b>	<b>74</b>	<b>1</b>	<b>125</b>	<b>141</b>
Sarikei	3	156	1	199	206
Meradong	1	71	0	54	55
Pakan	0	6	0	37	37
Julau	2	31	0	23	24
<b>SARIKEI</b>	<b>6</b>	<b>264</b>	<b>1</b>	<b>313</b>	<b>322</b>
Daro	1	6	0	24	24
Matu	0	2	0	19	20
Mukah	8	56	2	250	259
Dalat	0	19	0	108	108
<b>MUKAH</b>	<b>9</b>	<b>83</b>	<b>2</b>	<b>401</b>	<b>411</b>
Sibu	2	116	2	494	517
Selangau	0	6	0	12	17
Kanowit	0	22	0	44	44
<b>SIBU</b>	<b>2</b>	<b>144</b>	<b>2</b>	<b>550</b>	<b>578</b>
Kapit	0	50	0	113	116
Song	0	11	0	29	29
Belaga	0	38	0	10	10
<b>KAPIT</b>	<b>0</b>	<b>99</b>	<b>0</b>	<b>152</b>	<b>155</b>
Bintulu	5	631	8	563	629
Tatau	0	25	0	21	28
<b>BINTULU</b>	<b>5</b>	<b>656</b>	<b>8</b>	<b>584</b>	<b>657</b>
Miri	4	196	12	836	911
Marudi	0	47	1	95	105
<b>MIRI</b>	<b>4</b>	<b>243</b>	<b>13</b>	<b>931</b>	<b>1016</b>
Limbang	0	52	0	54	54
Lawas	0	3	0	53	56
<b>LIMBANG</b>	<b>0</b>	<b>55</b>	<b>0</b>	<b>107</b>	<b>110</b>
<b>SARAWAK</b>	<b>64</b>	<b>2440</b>	<b>35</b>	<b>4727</b>	<b>5010</b>

EW = Epid. Week



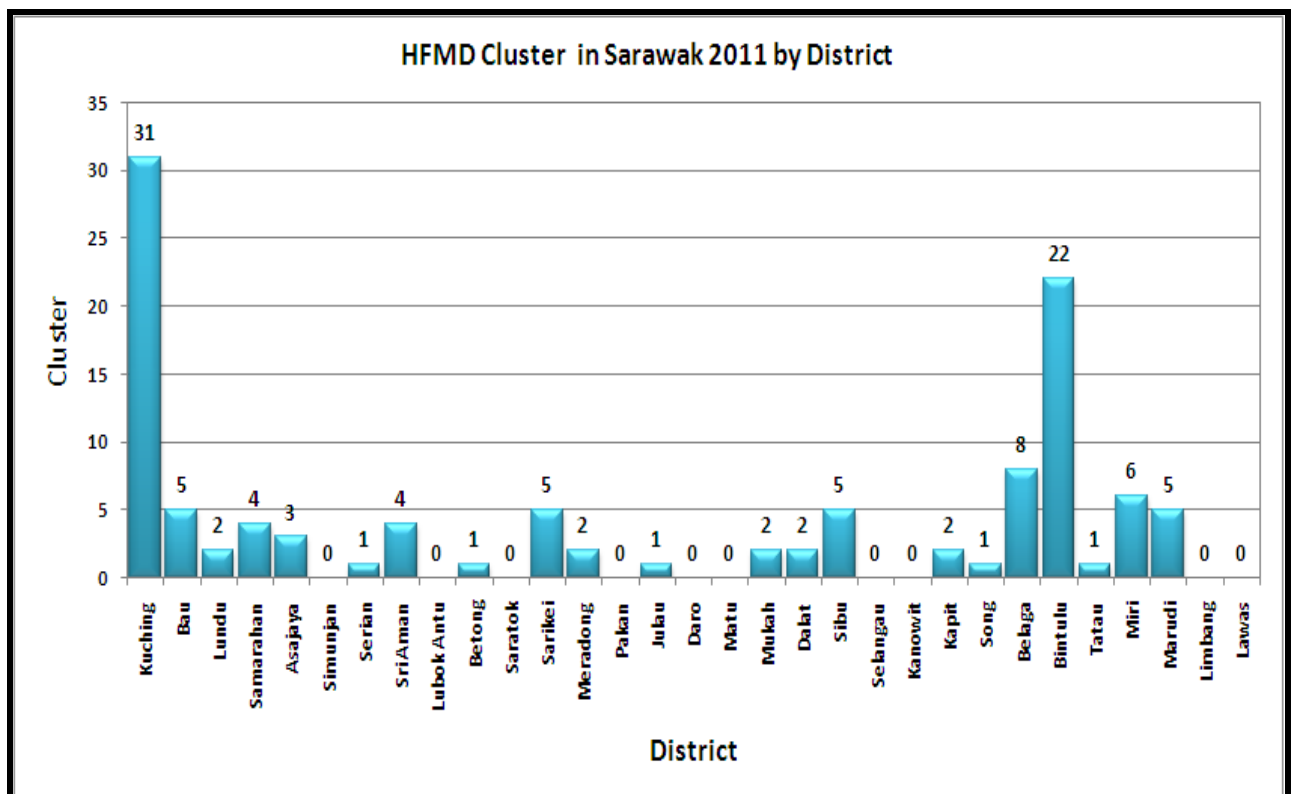
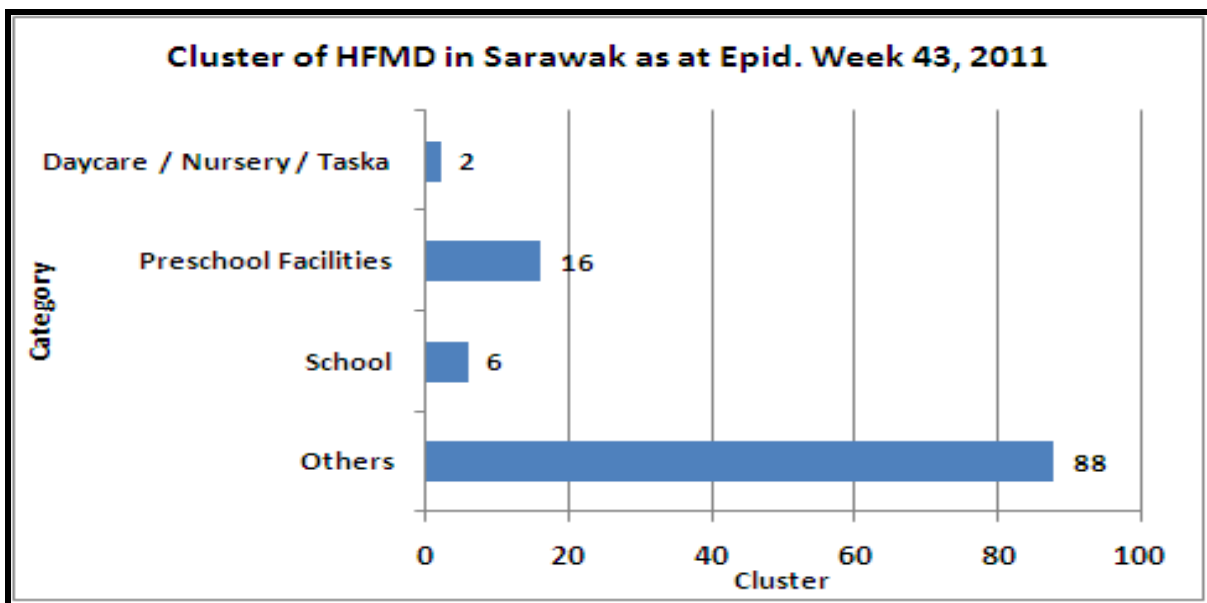
A total of 64 cases were reported in Epid. Week 43, 2011.

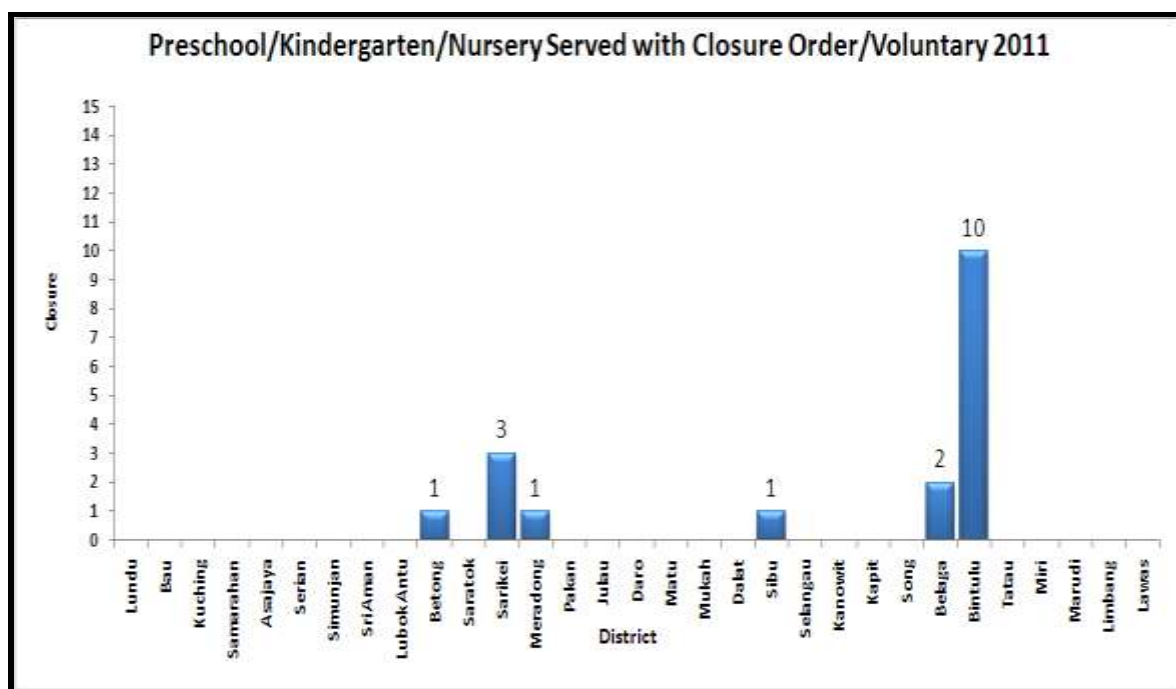
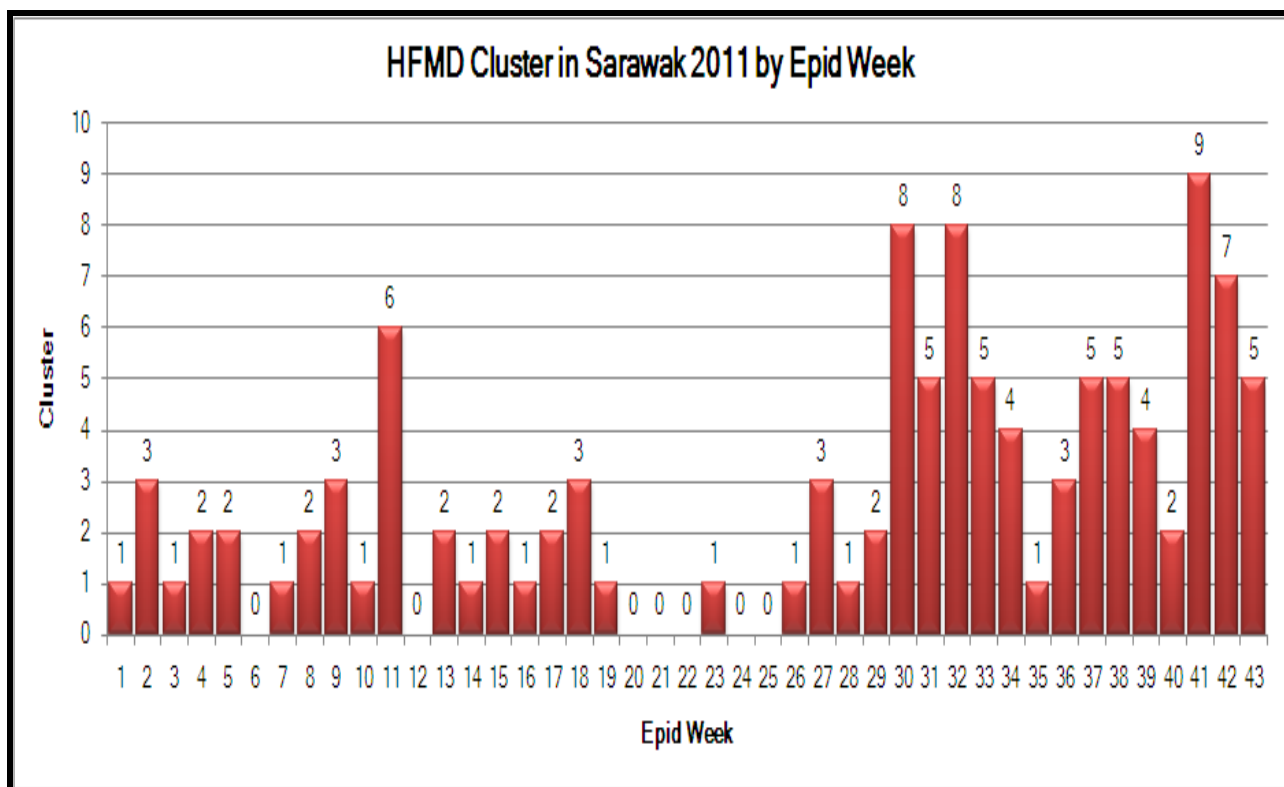
A cumulative total of 2,440 cases reported compared to 4,727 cases during the same period in 2010.

### 5.2.1. Cumulative HFMD Clusters as of 29<sup>th</sup> October 2011.

Seven HFMD clusters reported in Epid. Week 43, 2011 involved one preschool (Betong), and six family clusters at Kuching, Julau, Bintulu, Mukah and Bau district.

As at 29<sup>th</sup> October 2011, a total of 113 clusters reported. Of these, 88 (77.88%) were family cluster, 16 (14.16%) were cluster in preschool facilities, seven (6.20%) were in school and two (1.77%) was in *nursery* or day care centre.





**5.3. Notified Leptospirosis cases for Epid. Week 43, 2011 compared to Epid. Week 43, 2010 and cumulative cases till Epid. Week 43 in 2011.**

District	Case classification (positive)				Total positive leptospirosis	
	Confirmed		Probable		2011	2010
	EW 43/2011	EW 43/2010	EW 43/2011	EW 43/2010		
Bau	0	0	0	0	0	1
Lundu	0	0	0	0	0	0
Kuching	0	0	4	0	29(2)	12
Asajaya	0	0	0	0	3	0
Samarahan	1	0	0	0	5	1
Serian	0	0	0	0	5	2
Simunjan	0	0	0	0	3(1)	1
Sri Aman	0	0	0	0	7	1
Lubok Antu	0	0	0	0	6	3(1)
Betong	0	0	0	0	4(1)	0
Saratok	0	0	2	0	7	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)	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	0	0	4(1)	0
Tatau	0	0	0	0	0	0
Bintulu	0	0	0	0	8(2)	6
Miri	0	0	0	0	5	3
Marudi	0	0	0	0	1	2
Limbang	0	0	0	0	2(1)	1
Lawas	0	0	0	0	0	0
<b>Total</b>	<b>1</b>	<b>0</b>	<b>6</b>	<b>0</b>	<b>108(9)</b>	<b>49(1)</b>

Note: ( ) death; 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 43, 2011 compared to Epid. Week 43, 2010 and cumulative cases till Epid. Week 42 in 2011.**

District	Blood test result				Total positive	
	Positive				2011	2010
	Culture		Serology			
	EW 43/2011	EW 43/2010	EW 43/2011	EW 43/2010		
Bau	0	0	0	0	2	0
Lundu	0	0	0	0	0	0
Kuching	0	0	0	0	6(1)	12(1)
Asajaya	0	0	0	0	0	0
Samarahan	0	0	0	0	0	0
Serian	0	0	0	0	1	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	2	0	2
Saratok	0	0	0	0	0	1(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(1)
Daro	0	0	0	0	0	0
Matu	0	0	0	0	0	0
Sibu	0	0	0	0	1	5(1)
Kanowit	0	0	0	0	0	1
Selangau	0	0	0	0	1	6(2)
Song	0	0	0	0	1	7(2)
Kapit	0	0	2	1	53(2)	162(1)
Belaga	0	0	0	1	14(3)	28(1)
Tatau	0	0	0	0	4(1)	14(4)
Bintulu	0	0	0	1	5	49(1)
Miri	0	0	0	0	3(1)	35(1)
Marudi	0	0	0	0	1	7
Limbang	0	0	0	0	0	2
Lawas	0	0	0	0	0	1(1)
Total	0	0	2	5	98(8)	343(18)

Note: ( ) Death; 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 29<sup>th</sup> October 2011.**

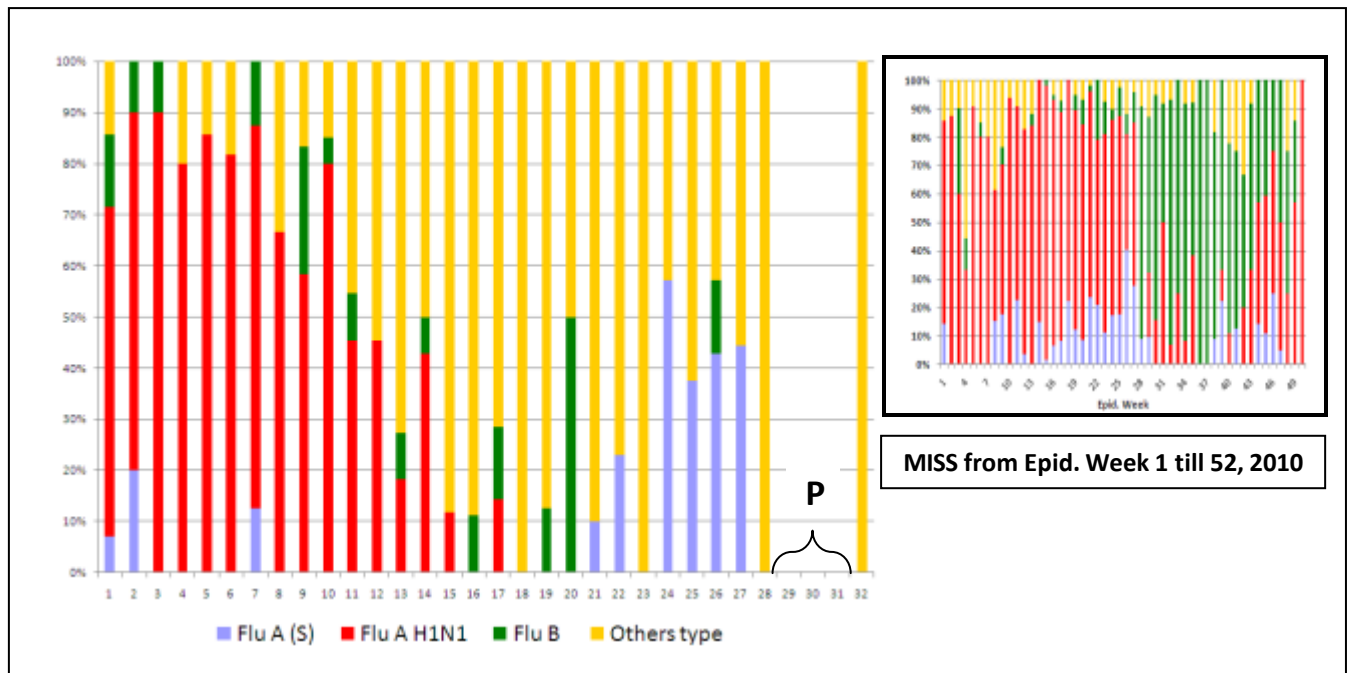
No	District	Locality	Number of cases	Outbreak declared
1	Belaga	Bakun Hydroelectric Project	3	15/02/2011
2	Kapit	Iron Wall Logging Camp	3	21/01/2011

**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

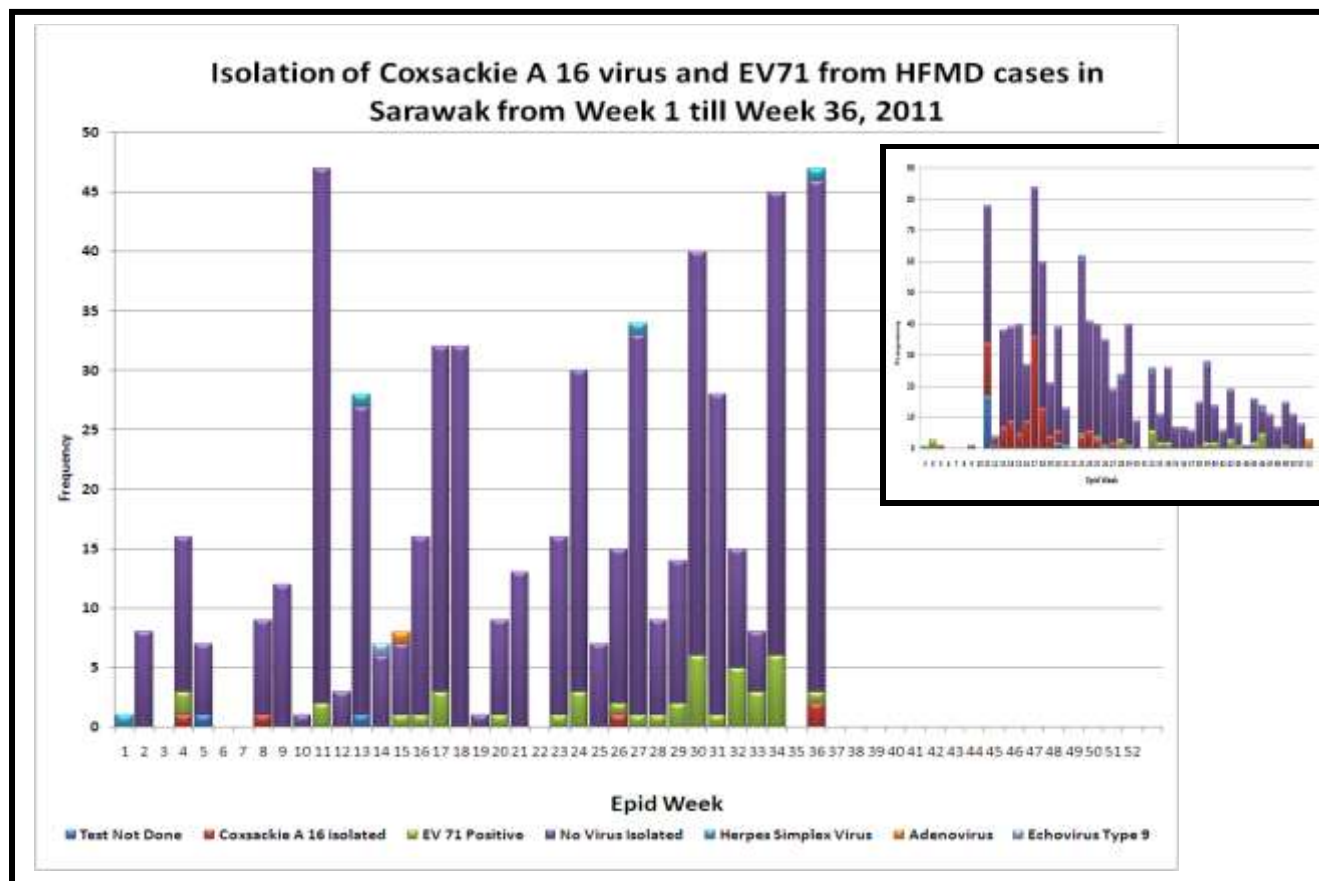
In Malaysia, as at Epid. Week 39, 2011, a total of 3,556 serum specimens for serology test were sent to MKAK Sg. Buloh. Of these, 1,077 were positive for IgM Measles and 298 positive for Rubella.

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).

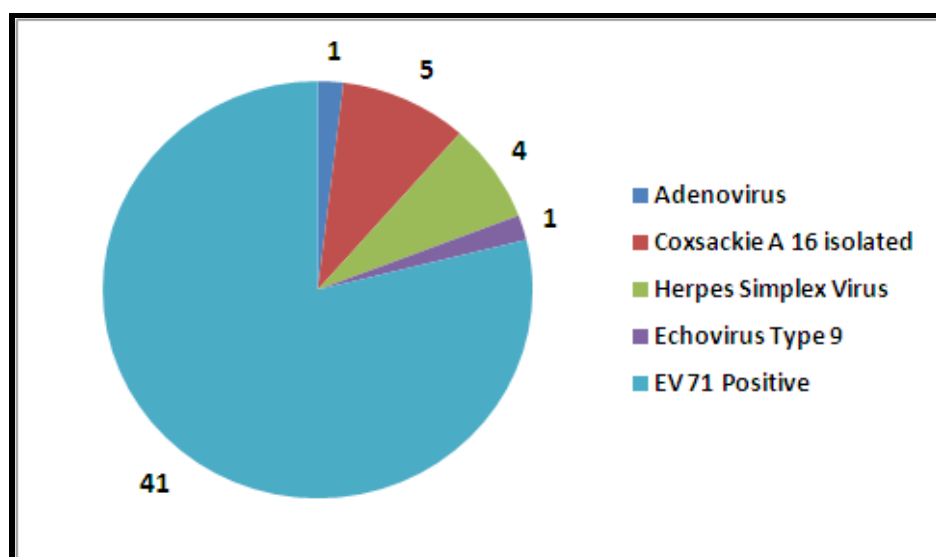
As at Epid Week 39, 2011, Sarawak had been sent 205 specimens for serology test. Six specimens positive for measles IgM and 37 positive for rubella IgM.

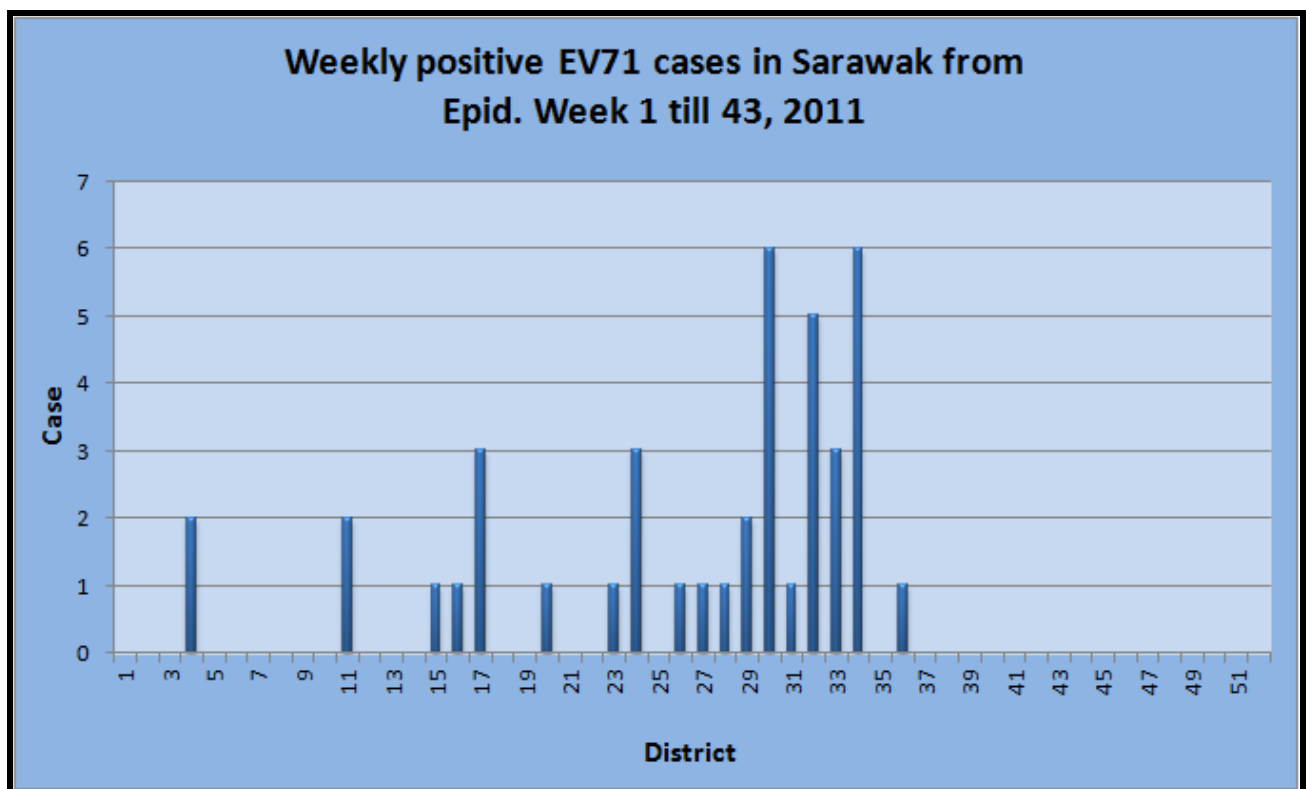
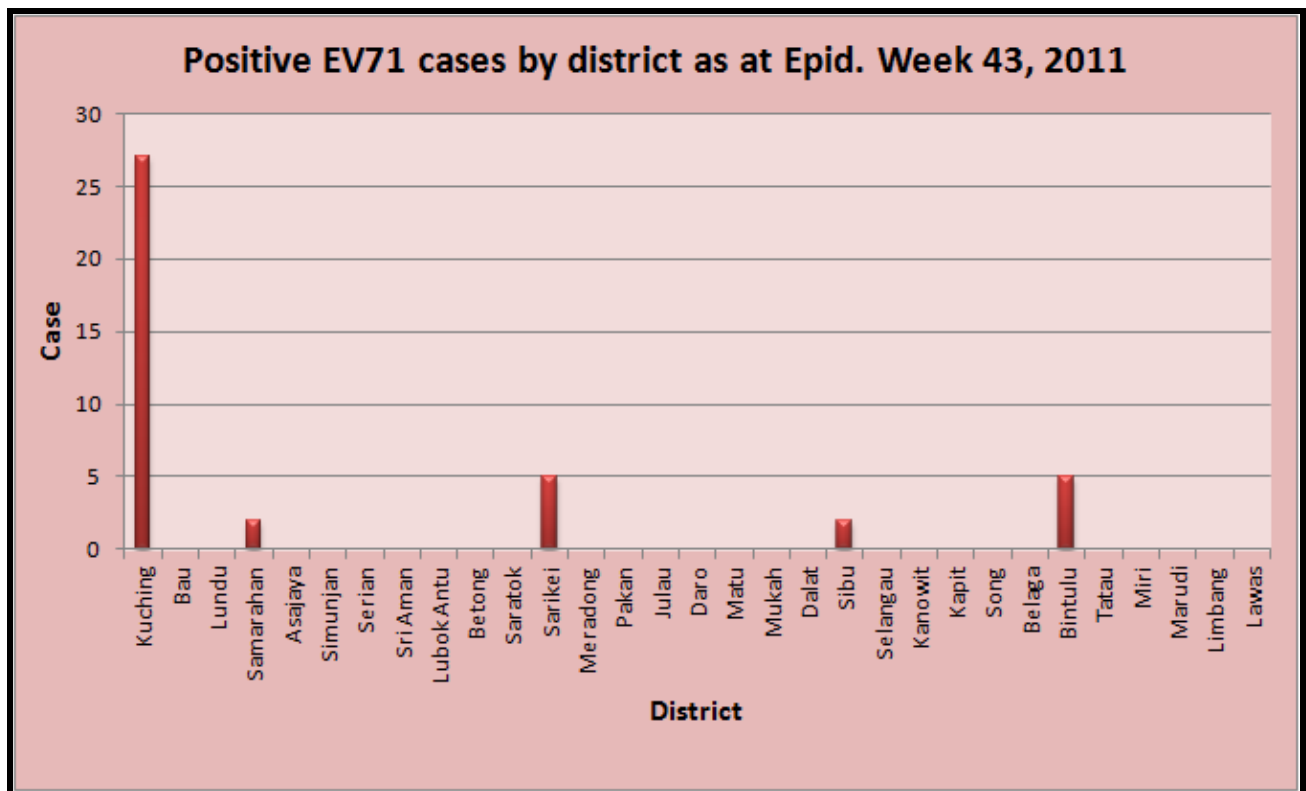
As at Epid. Week 29, 2011, only 12 specimens for measles viral isolation from Sarawak were sent to MKAK Sg. Buloh but so far none were positive.

### 6.3. Laboratory Based Surveillance for HFMD in Sarawak from Epid Week 1 till Epid Week 36, 2011 compared to 2010 (inset).



In Sarawak, as at Epid. Week 36, 2011, a total of 375 specimens were sent to MKAK Sg. Buloh for viral isolation. Of these, 48 specimens isolated viruses: EV71 (41), Coxsackie A16 (5), Herpes Simplex (HSV 1) [4], 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 15<sup>th</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.