



# SARAWAK

## WEEKLY EPID NEWS

Sarawak Health Department

WEEK 37

11<sup>th</sup> – 16<sup>th</sup> SEPTEMBER 2011

### INFECTIOUS DISEASE/CRISIS HIGHLIGHTS IN SARAWAK

In Epid. Week 37, 2011, Sarawak Health Department had received 13 outbreak reports i.e. seven HFMD family clusters, two outbreaks of food poisoning, two malaria outbreaks, and one for measles, and dengue.

#### INSIDE

Topic	Page
Infectious disease/crisis highlights in Sarawak	1
New outbreaks/clusters	2
Mandatory notifiable diseases	6
Vector Borne Diseases	10
Emerging/Re-emerging Infectious and Zoonotic Diseases	16
Laboratory based surveillance	26



**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	Sarikei	Lorong 2A, Jalan Sakam*	2	08/09/2011
2		Bintulu	Block B, Flat Bomba, Bintulu	2	13/09/2011
3		Kuching	Lrg. 3B2C, Taman Seng Goon, Batu 3½, Jalan Tawi Sli	2	17/09/2011
4			Lot 3092, Taman Alamanda Indah, Jalan Matang	2	17/09/2011
5			Pusat Latihan Polis Kuching, Jln. Puncak Borneo	2	14/09/2011
6		Kota Samarahan	Fasa 1, Lorong 2C, Kg. Tanjong Bundong	2	15/09/2011
7		Limbang	Kampung Nauran, Jalan Pandaruan	2	14/09/2011
8	Food Poisoning	Lawas	SK Long Semadoh	15	12/09/2011
9		Kota Samarahan	Kafeteria, UNIMAS*	25	09/09/2011
10	Measles	Miri	Jalan Lautan 4, Ocean Park	2	13/09/2011
11	Dengue	Miri	Strawberry Park, Luak Bay Housing, Bakam	2	12/09/2011
12	Malaria	Belaga	Lusong Laku	2 (P.v.)	13/09/2011
13		Marudi	Long Leng Layun	4 (P.v)	14/09/2011

\*Late reporting to CPRC, Sarawak Health Department

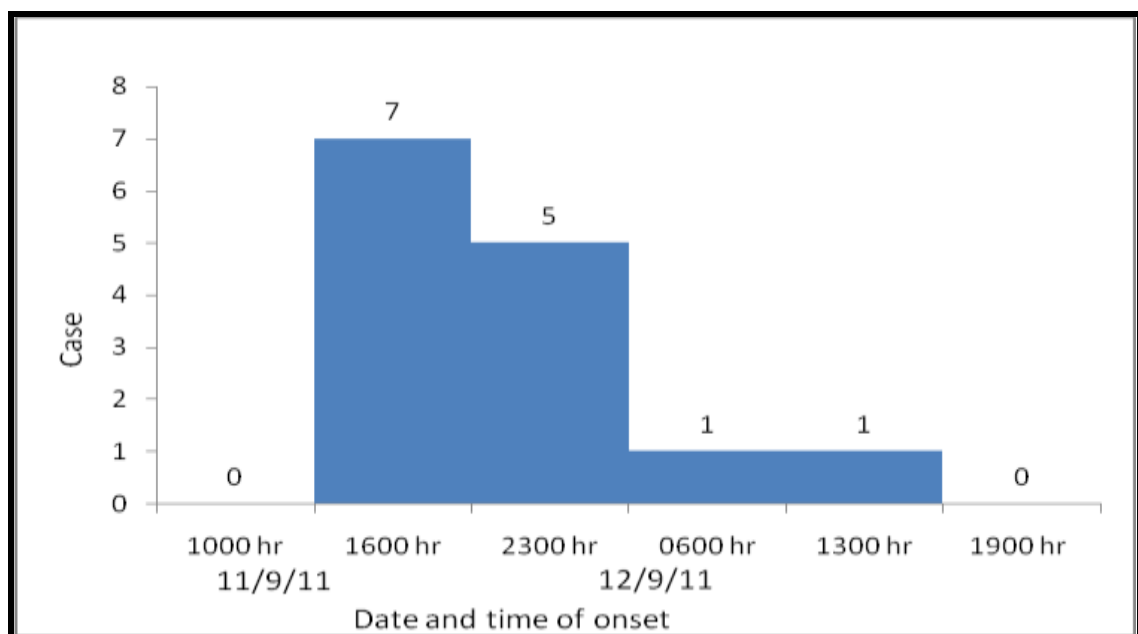
There were 13 cluster/outbreaks were reported in Epid. Week 37, 2011 to Sarawak Health Department.

### 2.1. Preliminary report of Food Poisoning Outbreak at SK Long Semadoh, Lawas.

Food poisoning outbreak at SK Long Semadoh, Lawas was notified to PKD Lawas on the 12<sup>th</sup> September 2011 at 2:00 PM. Long Semadoh is about three hours journey by timber route from Lawas town. SK Long Semadoh is a boarding school with about 67 students. However, during the incident only 19 UPSR students were staying at the school.

The persons who are exposed were 19 students, two teachers and two cooks. Out of these, 15 of them having food poisoning symptoms (male = 5; female = 10). The cases age between 7–55 years old, consists of 13 students, one male teacher and one female cook. The clinical presentations were abdominal pain (100%), diarrhoea (100%), nausea (70%) and vomiting (65%). All cases were treated at Klinik Kesihatan Long Semadoh.

The first onset was on 11<sup>th</sup> September 2011 at 4:30 PM (Sunday) and the last onset was on 12<sup>th</sup> September 2011 at 5:00 PM (Monday). The incubation period range from 2.5 – 27 hours. The suspected food was *ayam masak kicap* which was served on 11<sup>th</sup> September 2011 around 2:00 PM. The suspected aetiological agent is *Staph. aureus*. The food was prepared at 7:00 AM on 11<sup>th</sup> September 2011.



**Epidemic curve of food poisoning cases by onset hour at SK Long Semadoh, Lawas**

Canteen was inspected on 14<sup>th</sup> September 2011 and the rating was 78%. Previous rating was 83%, which was inspected on 10<sup>th</sup> May 2011. The source of drinking water is from gravity feed system and there was no interruption of the water supply prior to the incidence. The school has two permanent cooks but both never attended food handler course.

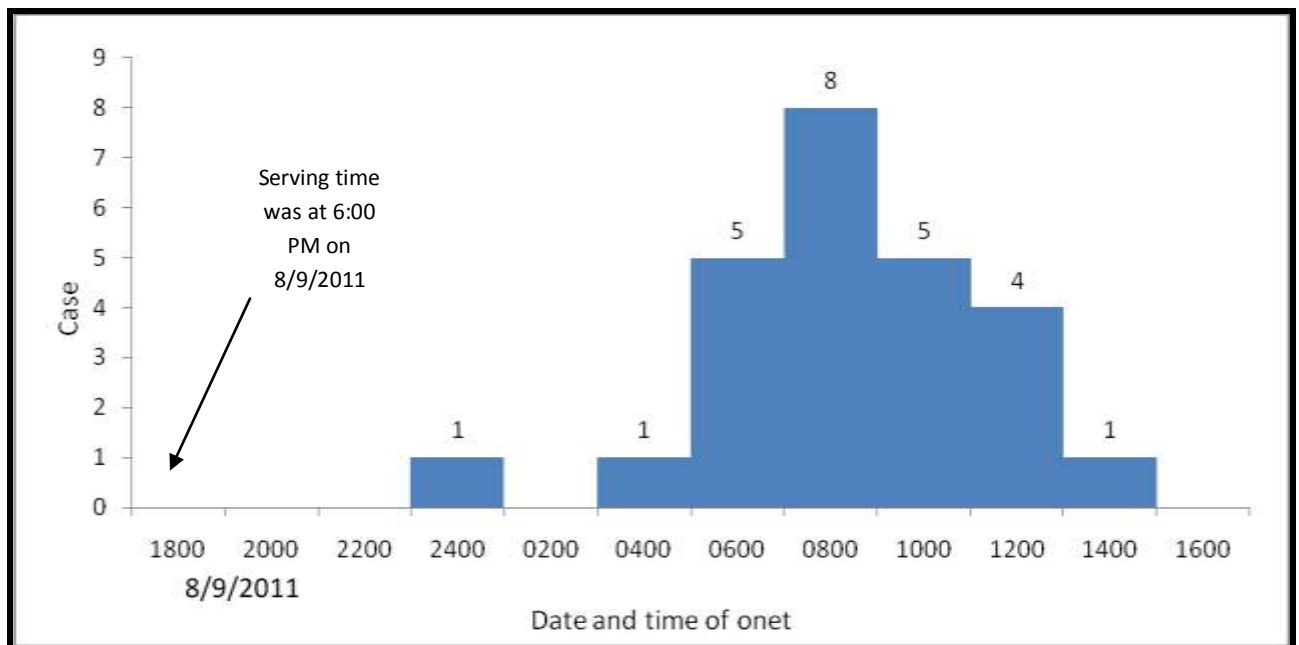
Fifteen rectal swabs had been taken from 13 cases and two food handlers. Two environmental samples were also taken to test for the presence of bacteria. All results are still pending.

## 2.2. Preliminary report of Food Poisoning Outbreak at Kafeteria UNIMAS, Kota Samarahan.

Kota Samarahan Health Office was notified of food poisoning outbreak involving a new group of UNIMAS students on 9<sup>th</sup> September 2011 at 9:00 AM. The affected students were from Bunga Raya College. The students were involved in orientation week activities. The food during the orientation week was supplied by 17 caterers from Kuching and Samarahan.

The number of students exposed was 1,149. Out of these, 25 students had food poisoning symptoms (male=3; female=22). The clinical presentations were abdominal pain (96%), diarrhoea (76%), nausea (44%) and headache (24%). All cases treated at UNIMAS Clinic.

The first onset was on 8<sup>th</sup> September 2011 at 12:45 AM and the last onset was on 9<sup>th</sup> September 2011 at 2:30 PM. The incubation period range from 6 – 20 hours. The suspected food was *nasi putih* which was served on 8<sup>th</sup> September 2011 around 6:00 PM. *Nasi putih* was supplied by six different caterers. The students had complained of stale rice. Based on the symptoms, incubation period and the suspected food, the probable aetiological agent is *Bacillus cereus*.



Epidemic curve of food poisoning cases by onset hour at UNIMAS Cafeteria, Kota Samarahan

There were six different caterers cooked and supplied *nasi putih* i.e. four from K. Samarahan and two from Kuching. So at this point, it is difficult to identify which caterer is responsible for the incident. However, food premises in K. Samarahan were already inspected.

Nasal and throat swab were taken from food handlers as well as environmental samples from the food premises.

### 3. MANDATORY NOTIFIABLE DISEASES REPORTED IN EPID. WEEK 37, 2011

District	***HIV/AIDS	Acute Poliomyelitis	Chancroid	Cholera	Diphtheria	*Dengue/DHF	Dysentery	Ebola	Food Poisoning	***Gonorrhoea	Hand, Foot & Mouth	**Leprosy	*Malaria	Whooping Cough	Measles	Plague	Rabies	Relapsing Fever	***Syphilis	Tetanus	**Tuberculosis (All forms)	Typhoid & Paratyphoid Fever	Typhus, Scrub	Viral Hepatitis	Viral Encephalitis	Yellow Fever	Leptospirosis
Lundu																											
Bau						1					1																
Kuching										4	22				3			1									4
Samarahan						1			25	1	2				1												
Asajaya																											
Simunjan											1																1
Serian						1																					
Sri Aman											5		2														
L/ Antu													1														
Betong											1		3														
Saratok						1							1					1									
Sarikei						1																					
Meradong											2																
Pakan/Julau						1					1		4														
Daro											1																
Matu																											
Dalat																											
Mukah											2																
Sibu						4				4	1		4														
Kanowit																											
Selangau						2																					
Song													3														
Kapit													2														1
Belaga						1							2														
Tatau																											
Bintulu						1					14		1														
Miri						5					2			2													
Marudi													6														
Limbang						1							2														
Lawas									15				1														
TOTAL (Week 37)	0/0	0	0	0	0	20	0	0	40	9	55	0	32	0	6	0	0	0	2	0	0	0	0	0	0	0	6
Total (2011)	77/58	0	0	252	0	721	9	0	1021	294	1753	10	1239	29	160	0	0	0	99	1	1332	4	0	104	9	0	81
Total (2010)	141/113	0	0	0	0	4240	62	0	1299	437	4987	22	2802	10	132	0	0	0	230	1	1639	27	0	35	2	0	49
Total (2009)	143/89	0	1	0	0	4564	82	0	1223	438	9655	15	2158	4	56	0	0	0	339	0	1689	24	1	169	10	0	0

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

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

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

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

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

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

No HIV case was reported in Epid. Week 37, 2011. The cumulative total HIV cases were 77 and all cases are adults. The cumulative total AIDS cases were 58.

#### **3.1.2. Cholera**

No case reported in Epid. Week 37, 2011. A total of 252 cases were from Limbang. There were two outbreak localities at Limbang and Medamit in March 2011. DNA finger printing study showed the organisms were local origin.

#### **3.1.3. Dysentery**

No new suspected case reported in Epid. Week 37, 2011.

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

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

Two new food poisoning outbreaks were reported in Epid. Week 37, 2011 at Kota Samarahan and Lawas district. The cumulative total of food poisoning cases were 1,046 that consist of 37 outbreaks. Out of 37 outbreaks, 21 (57.76%) involved schools (9 primary; 11 secondary). SMK Sri Patiambun had three episodes of food poisoning outbreak this year.

#### **3.1.5. Gonorrhoea**

Nine cases were reported in Epid. Week 37, 2011. The cases were from Kuching (1), Samarahan (1) and Sibu (4) districts.

Out of 285 cumulative cases reported, 284 were adults and only one gonococcal neonatorum.

#### **3.1.6. Leprosy**

No case reported in Epid. Week 37, 2011. The cumulative total of leprosy cases were 10, one case was foreigner and nine were locals. All the cases were detected through active case detection (ACD).

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

No case reported in Epid. Week 37, 2011. Out of the cumulative 29 suspected pertussis cases reported in 2011, four cases were confirmed by culture (SGH Kuching: 3; Miri: 1) and one case confirmed by PCR from Sibu hospital.



### **3.1.8. Measles**

Six suspected measles cases were reported in Epid. Week 37, 2011, from Miri (2), Kuching (3) and Kota Samarahan (1) districts.

The first and second cases are the family cluster. The first case was a five years old Iban girl from Ocean Park, Miri presented with fever on 11<sup>th</sup> September 2011 and rashes appeared on the next day. She had received MMR vaccination at one year old.

The second case was a three years old kid, younger sister of the first case, diagnosed and notified on 13<sup>th</sup> September 2011. She presented with fever, rashes, cough and coryza and had MMR vaccination at one year old.

The third case was a three months old Bajau baby girl from Police Flat, Bintawa, Kuching, presented with fever, rashes, and coryza. She was brought back to Sabah on the 19<sup>th</sup> August until 7<sup>th</sup> September 2011. Her mother was having the same signs and symptom before the child became sick.

The fourth case was a 39 years old Chinese female from Kota Samarahan who was admitted to SGH Kuching on 17<sup>th</sup> September 2011. She presented with fever, rashes, cough, and coryza. Vaccination status is unknown. Blood specimen was taken for serology but result is still pending.

The fifth and sixth cases are cluster from SMV Matang, Kuching. However, they were managed as rubella.

The cumulative total of suspected measles cases was 160. Of these, only three cases were confirmed by positive IgM measles. There was also one case that clinically confirmed; 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.

### **3.1.9. Syphilis**

Two cases of syphilis were reported in Epid. Week 36, 2011, each from Kuching and Saratok districts.

As on 17<sup>th</sup> September 2011, a cumulative total of 96 cases were reported in year 2011.

### **3.1.10. Tetanus**

No case reported in Epid. Week 37, 2011. The cumulative total of tetanus cases is remained as one. The patient was a 77 years old Chinese man from Kuching district.



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

In August 2011, there were 154 confirmed TB cases reported, bringing a cumulative total of 1,332 cases reported in 2011 compared to 1,689 total cases reported in the year 2010.

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

No cases reported in Epid. Week 37, 2011. The cumulative total confirmed typhoid cases were 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**

No Hepatitis B or Hepatitis C case was reported in Epid. Week 37, 2011. The cumulative total of viral hepatitis cases reported was 104. Of these, 52 cases were Hepatitis B where 21 were acute and 31 were chronic. Another 52 cases were Hepatitis C where 16 cases were acute and 36 were chronic.

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

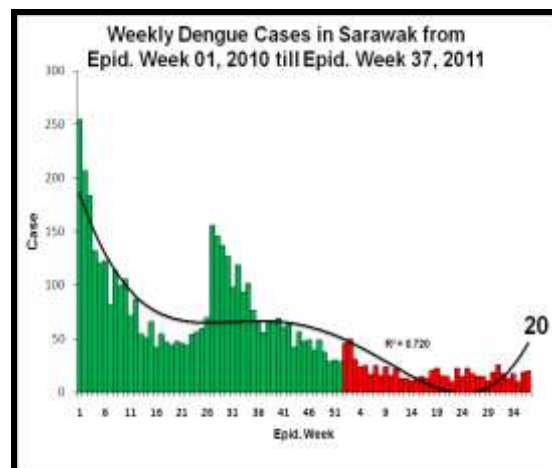
No case reported in Epid. Week 37, 2011. The cumulative total of viral encephalitis cases were nine. Of this, one case was confirmed Japanese Encephalitis and seven were due to other viruses.

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

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

##### 4.1. Notified Dengue cases for Epid. Week 37, 2011 compared to Epid. Week 37, 2010 and cumulative cases till Epid. Week 37 in 2010.

District	2011		2010		
	EW 37	Cum.	EW 37	Cum.	Total
Lundu	0	9	1	55	69
Bau	1	21	3	103	123
Kuching	0	77	6	390	473
Samarahan	1	17	1	80	97
Asajaya	0	4	0	9	10
Serian	1	13	1	125	140
Simunjan	0	11	0	42	47
Sri Aman	0	36	1	77	96
Lubok Antu	0	19	0	40	53
Betong	0	10	0	22	30
Saratok	1	6	0	18	20
Sarikei	1	18	2	75	91
Meradong	0	11	1	48	53
Pakan	1	15	1	24	30
Julau	0	13	0	14	20
Daro	0	6	2	68	95
Matu	0	1	1	25	25
Dalat	0	2	0	9	14
Mukah	0	4	0	31	39
Sibu	4	59	16	866	1021
Kanowit	0	24	2	48	64
Selangau	2	9	0	16	32
Song	0	10	0	10	16
Kapit	0	27	1	137	158
Belaga	1	21	1	26	39
Tatau	0	31	0	25	40
Bintulu	1	86	7	195	237
Miri	5	92	7	694	816
Marudi	0	45	1	104	126
Limbang	1	18	1	103	131
Lawas	0	6	0	22	35
<b>Sarawak</b>	<b>20</b>	<b>721</b>	<b>56</b>	<b>3501</b>	<b>4240</b>



A total of 20 dengue cases were reported in Epid. Week 37, 2011 compared to 56 cases during the same period in 2010.

There is an increase of one case from the previous Epid. Week.

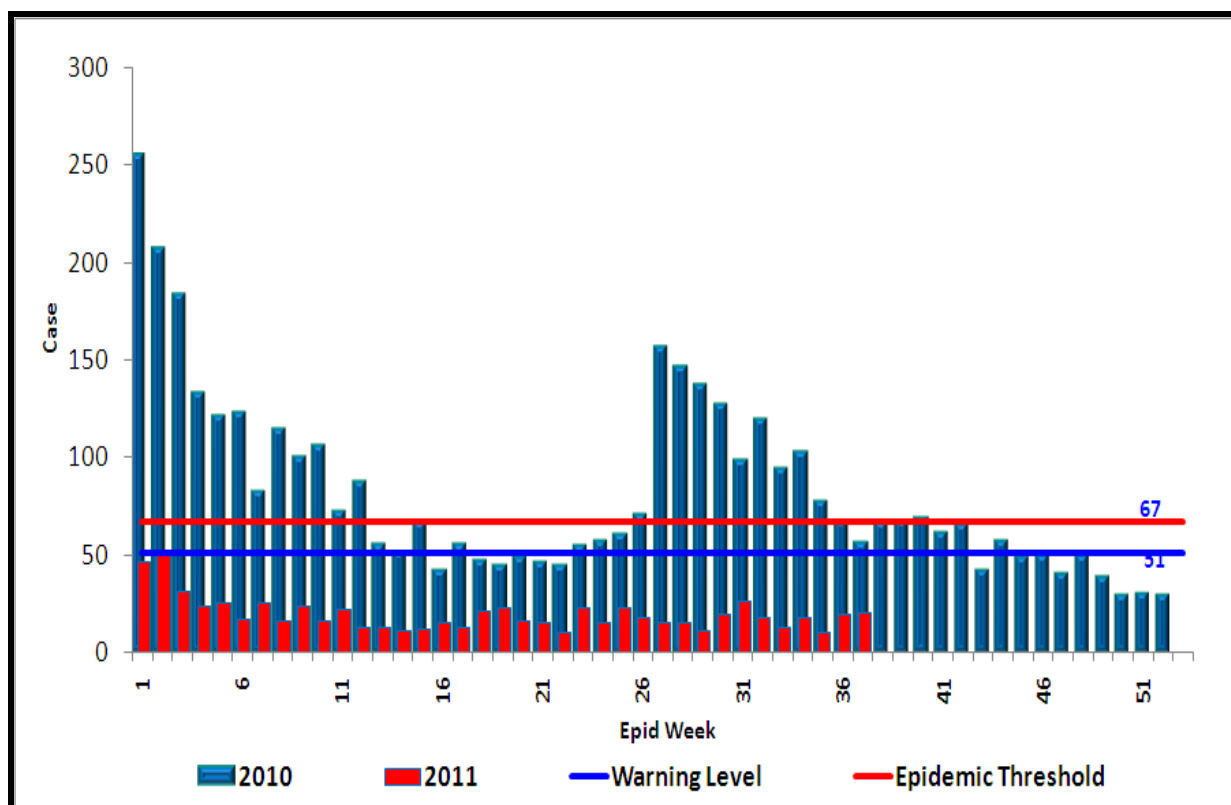
**There are two outbreak localities in Julau and Miri. No uncontrolled outbreak was reported.**

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

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

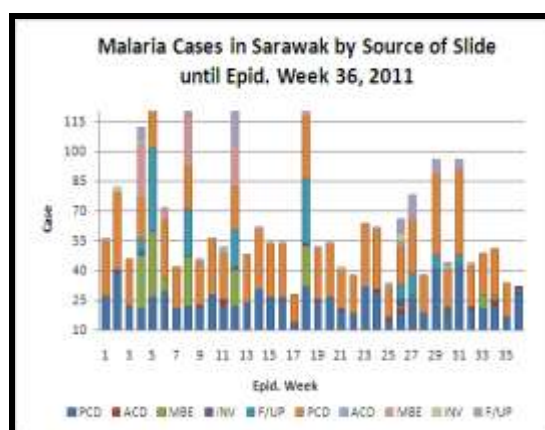
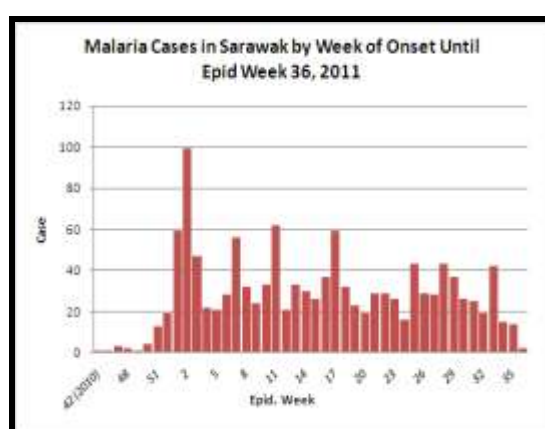
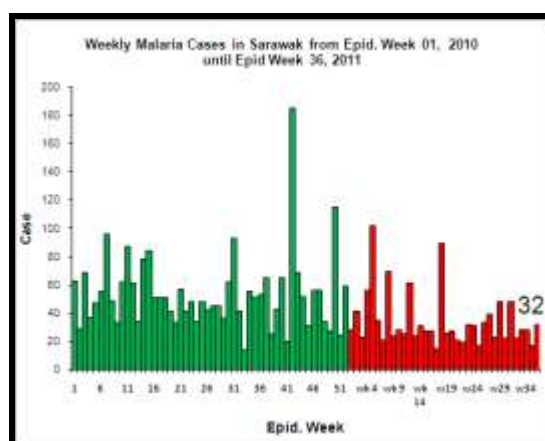
EW = Epid. Week

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



**4.2. Notified Malaria cases for Epid. Week 36, 2011 compared to Epid. Week 36, 2010 and cumulative cases till Epid. Week 36 in 2011.**

District	2011		2010		Total
	EW 36	Cum.	EW 36	Cum.	
Lundu	0	29	0	64	72
Bau	0	3	0	8	9
Kuching	0	13	1	20	27
Samarahan	0	3	0	1	2
Asajaya	0	0	0	0	0
Simunjan	0	2	0	16	17
Serian	0	18	0	50	58
Sri Aman	2	12	1	17	25
Lubok Antu	1	16	0	15	16
Betong	3	31	0	8	15
Saratok	1	2	0	4	4
Sarikei	0	15	0	5	8
Meradong	0	8	0	2	3
Pakan	1	18	0	12	14
Julau	3	54	0	23	34
Daro	0	1	0	0	1
Matu	0	0	0	0	1
Dalat	0	8	0	11	14
Mukah	0	2	0	5	6
Sibu	4	33	0	29	43
Kanowit	0	57	1	47	65
Selangau	0	10	0	7	9
Song	3	49	1	32	46
Kapit	2	148	5	91	134
Belaga	2	94	2	247	300
Tatau	0	22	0	9	12
Bintulu	1	31	0	20	39
Miri	0	23	1	20	32
Marudi	6	497	40	1059	1734
Limbang	2	14	0	27	29
Lawas	1	26	1	27	33
<b>Sarawak</b>	<b>32</b>	<b>1239</b>	<b>53</b>	<b>1876</b>	<b>2802</b>



A total of 32 cases were reported in Epid. Week 36, 2011. Cumulative cases till Epid. Week 36, 2011 were 1,239. Of the 1,239 cases, 497 cases (40.1%) from Marudi District, 148 cases (12%) from Kapit District and 94 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. Case detected by slide source

Slides source	Epid. Week 36	Epid. Week 1 – Epid. Week 36
Passive Case Detection (PCD)	29	906
Active Case Detection (ACD)	1	13
Investigation slides ( INV)	1	13
Mass Blood Survey (MBS)	1	154
Follow-up	0	153
<b>Total</b>	<b>32</b>	<b>1239</b>

#### 4.2.2. Case by species

Species	Epid. Week 36	Epid. Week 1 – Epid. Week 36
<i>Plasmodium vivax</i>	16	706
<i>Plasmodium falciparum</i>	1	64
<i>Plasmodium malariae</i> <sup>#</sup>	7	250
<i>Plasmodium knowlesi</i>	7	215
<i>Plasmodium ovale</i>	1 (imported A)	1
Mixed infection	0	3
<b>Total</b>	<b>32</b>	<b>1239</b>

Note: # May include *Plasmodium knowlesi*

#### 4.2.3. Case classification

Classification	Epid. Week 36	Epid. Week 1 – Epid. Week 36
Indigenous	25	965
*Imported A	7	158
Relapsed	0	115
Congenital	0	1
<b>Total</b>	<b>32</b>	<b>1239</b>

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

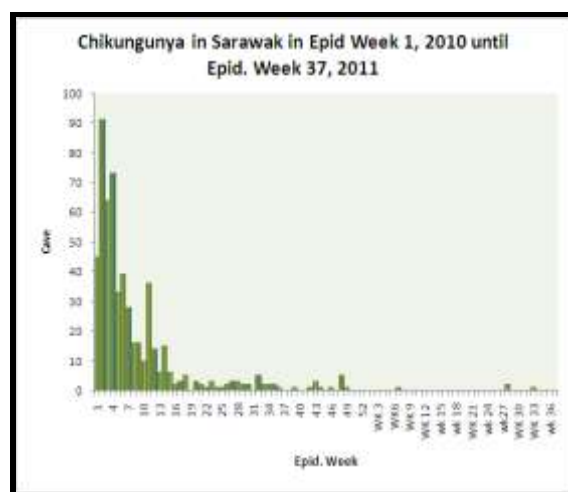
No.	District reported	Source of infection	Nationality	Case (No.)	Species
1	Sri Aman	Kg. Palo, Indonesia	Indonesia	1	<i>Plasmodium vivax</i>
2	Lawas	Kg. Pokok Bambu, Indonesia	Indonesia	1	<i>Plasmodium malariae</i>
3	Sibu	KKB RH Papua New Guinea	Sarawakian	1	<i>Plasmodium ovale</i>
4	Bintulu	Bontalia Timber, Papua New Guinea	Sarawakian	1	<i>Plasmodium vivax</i>
5	Sibu	KKB Badau, Indonesia	Indonesia	1	<i>Plasmodium vivax</i>
6	Sibu	KKB RH Papua New Guinea	Sarawakian	1	<i>Plasmodium vivax</i>
7	Kapit	KKB Taman, Congo,Africa	Sarawakian	1	<i>Plasmodium falciparum</i>

Note: KKB = Kem kayu balak

**4.3. Notified Chikungunya cases for Epid. Week 37, 2011 compared to Epid. Week 37, 2010 and cumulative cases till Epid. Week 37 in 2010.**

District	2011		2010		
	EW 37	Cum.	EW 37	Cum.	Total
Lundu	0	0	0	1	1
Bau	0	0	0	12	13
Kuching	0	1	0	72	72
Samarahan	0	0	0	2	3
Asajaya	0	0	0	1	1
Serian	0	1	0	15	15
Simunjan	0	0	0	17	17
Sri Aman	0	0	0	26	26
Lubok Antu	0	0	0	16	16
Betong	0	1	0	11	13
Saratok	0	0	0	8	8
Sarikei	0	0	0	6	7
Meradong	0	0	0	25	25
Pakan	0	0	0	10	10
Julau	0	0	0	22	22
Daro	0	0	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	4	0	537	550

EW = Epid Week



No case of Chikungunya was reported in Epid. Week 37, 2011. During the same period in 2010, no case was reported. The cumulative case of Chikungunya for 2011 remained as four.



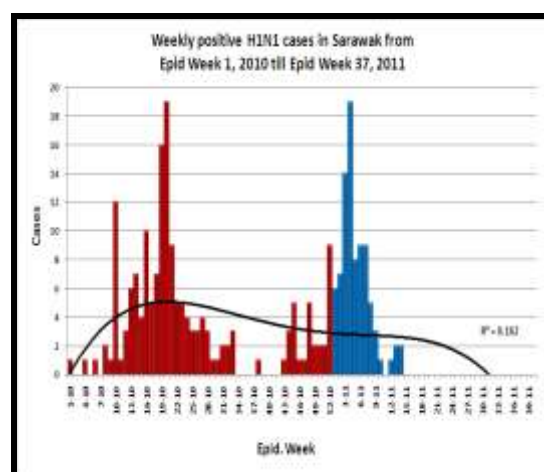
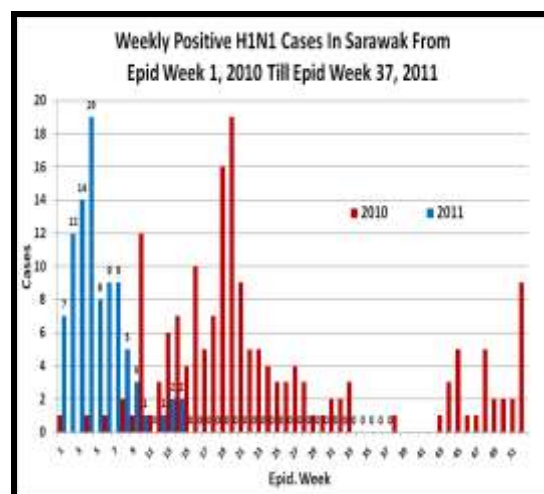
## 5. EMERGING/RE-EMERGING INFECTIOUS AND ZOO NOTIC DISEASES

### 5.1. H1N1

5.1.1 Positive Pandemic Influenza A (H1N1) cases for Epid. Week 37, 2011 compared to Epid. Week 37, 2010 and cumulative cases till Epid. Week 37 in 2011.

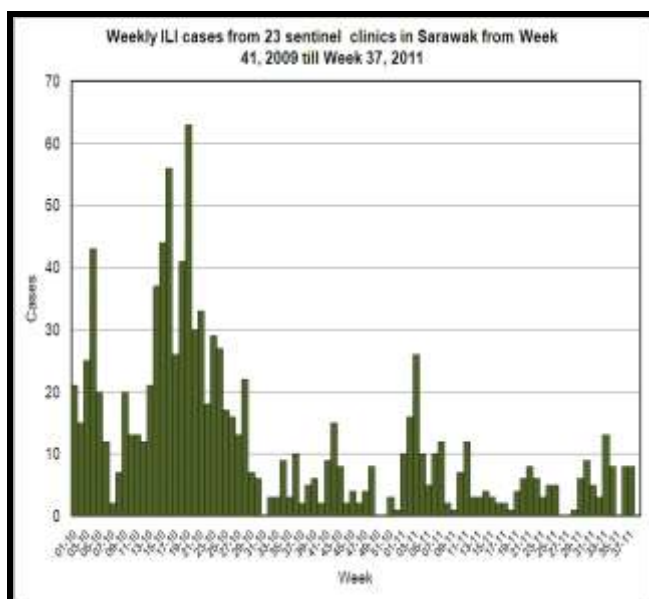
District	2011		2010		Total
	EW 37	Cum.	EW 37	Cum.	
Lundu	0	1	0	8	9
Bau	0	0	0	1	1
Kuching	0	51	0	42	61
Samarahan	0	0	0	8	8
Simunjan	0	0	0	3	4
Serian	0	0	0	2	2
Sri Aman	0	0	0	4	4
Lubok Antu	0	0	0	0	0
Betong	0	1	0	0	0
Saratok	0	0	0	0	0
Sarikei	0	0	0	2	2
Meradong	0	0	0	0	0
Julau	0	0	0	0	0
Daro	0	0	0	0	0
Dalat	0	0	0	0	0
Mukah	0	0	0	0	0
Sibu	0	1	0	19	19
Kanowit	0	0	0	1	1
Song	0	0	0	0	0
Kapit	0	1	0	1	1
Belaga	0	1	0	0	0
Tatau	0	0	0	0	0
Bintulu	0	27	0	16	19
Miri	0	6	0	7	7
Marudi	0	0	0	1	1
Limbang	0	2	0	20	20
Lawas	0	1	0	2	2
<b>TOTAL</b>	<b>0</b>	<b>92</b>	<b>0</b>	<b>137</b>	<b>161</b>

EW = Epid. Week



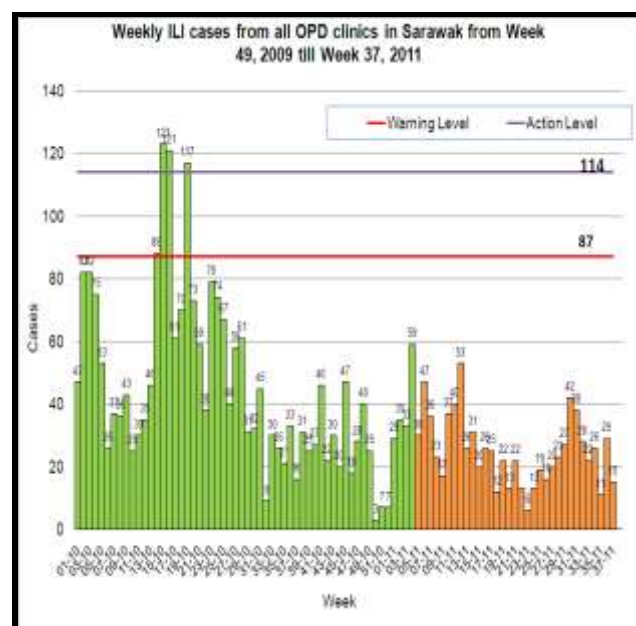
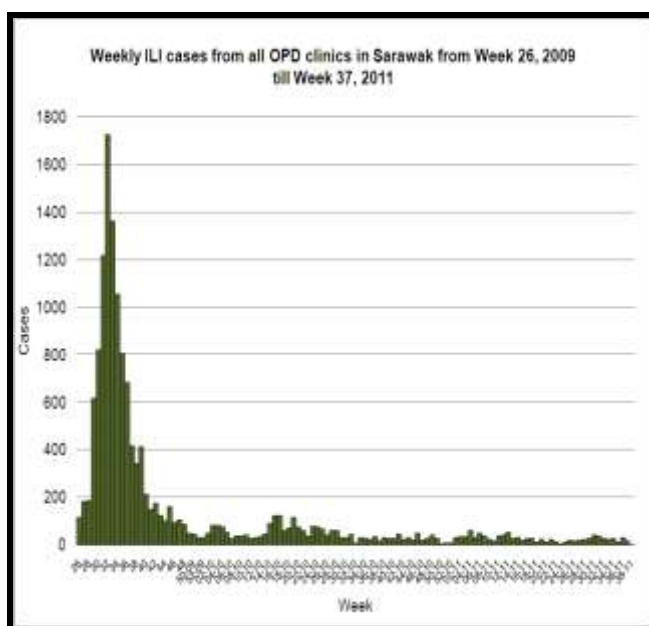
No H1N1 positive case was reported in Epid. Week 37, 2011. The cumulative total cases in 2011 were 92 cases compared to 137 cases reported during the same period in 2010.

### 5.1.2 Outpatient Influenza-Like Illness (ILI) Surveillance from Epid. Week 25 in 2009 till Epid. Week 37 in 2011.



In Epid. Week 37, 2011, eight ILI case reported from the 23 Sentinel clinics and all OPD clinics. The trend is similar with previous Epid. Week.

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



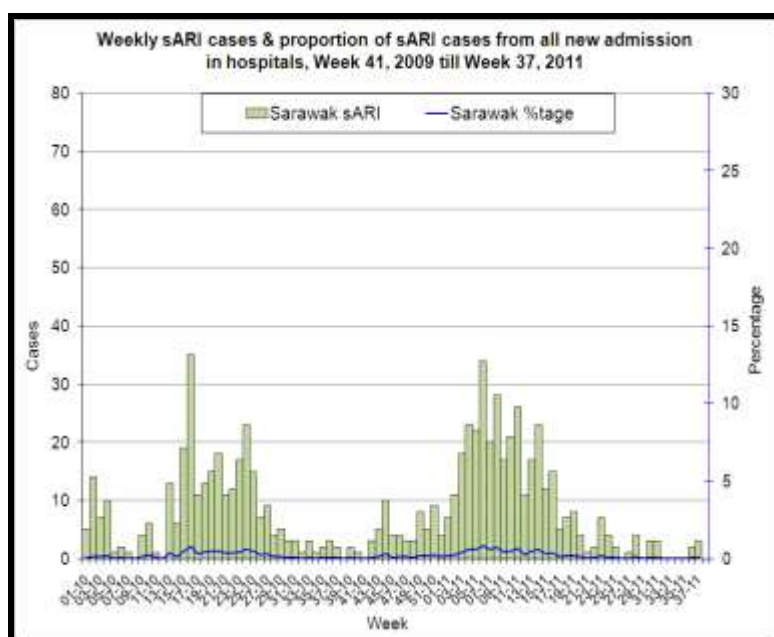
Referring to a letter dated 25 January 2011 from Office of the Deputy Director-General of Health (Public Health), Department of Public Health, Ministry of Health Malaysia about **PEMANTAUAN AKTIVITI H1N1 SECARA BERTERUSAN**, all PKB/PKD must send their daily H1N1 report as well as ILI and sARI surveillance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

### 5.1.3. New and Cumulative ILI Clusters as of 16<sup>th</sup> September 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 16<sup>th</sup> September 2011.

Division	Hospital	New EW 37	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

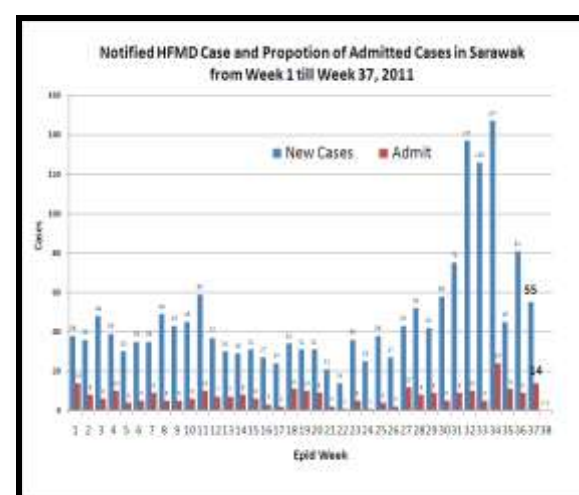
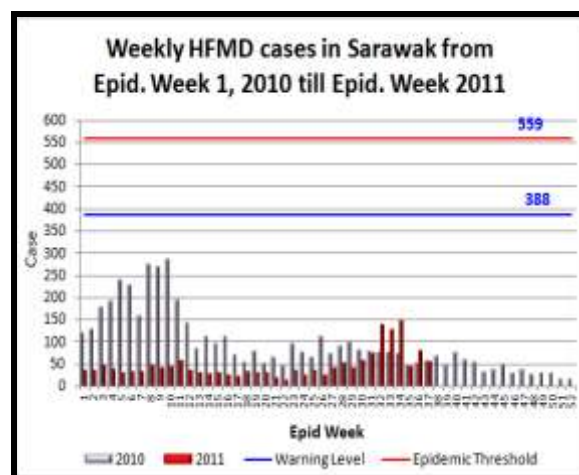
EW = Epid. Week

No sARI admission was reported in Epid. Week 37, 2011.

**5.2. Notified HFMD cases for Epid. Week 37, 2011 compared to Epid. Week 37, 2010 and cumulative cases till Epid. Week 37 in 2011.**

District	2011		2010		Total 2010
	WK 37	Cum.	WK 37	Cum.	
Kuching	22	294	6	878	961
Bau	1	65	0	201	209
Lundu	0	19	0	66	86
<b>KUCHING</b>	<b>23</b>	<b>378</b>	<b>6</b>	<b>1145</b>	<b>1256</b>
Samarahan	2	55	0	125	127
Asajaya	0	23	0	3	7
Simunjan	1	4	0	33	37
Serian	0	16	0	24	25
<b>SAMARAHAN</b>	<b>3</b>	<b>98</b>	<b>0</b>	<b>185</b>	<b>196</b>
Sri Aman	5	76	1	135	145
Lubok Antu	0	11	0	23	23
<b>SRI AMAN</b>	<b>5</b>	<b>87</b>	<b>1</b>	<b>158</b>	<b>168</b>
Betong	1	31	2	76	103
Saratok	0	28	0	38	38
<b>BETONG</b>	<b>1</b>	<b>59</b>	<b>2</b>	<b>114</b>	<b>141</b>
Sarikei	0	116	0	198	206
Meradong	2	41	2	53	55
Pakan	0	4	0	37	37
Julau	1	7	0	21	24
<b>SARIKEI</b>	<b>3</b>	<b>168</b>	<b>2</b>	<b>309</b>	<b>322</b>
Daro	1	1	0	23	24
Matu	0	1	0	19	20
Mukah	2	41	1	239	259
Dalat	0	16	0	105	108
<b>MUKAH</b>	<b>3</b>	<b>59</b>	<b>1</b>	<b>386</b>	<b>411</b>
Sibu	1	85	12	469	517
Selangau	0	5	3	11	17
Kanowit	0	19	0	44	44
<b>SIBU</b>	<b>1</b>	<b>109</b>	<b>15</b>	<b>524</b>	<b>578</b>
Kapit	0	49	0	104	116
Song	0	11	1	29	29
Belaga	0	6	0	10	10
<b>KAPIT</b>	<b>0</b>	<b>66</b>	<b>1</b>	<b>143</b>	<b>155</b>
Bintulu	14	504	15	477	629
Tatau	0	22	1	17	28
<b>BINTULU</b>	<b>14</b>	<b>526</b>	<b>16</b>	<b>494</b>	<b>657</b>
Miri	2	152	14	720	911
Marudi	0	40	1	92	105
<b>MIRI</b>	<b>2</b>	<b>192</b>	<b>15</b>	<b>812</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>55</b>	<b>1753</b>	<b>59</b>	<b>4376</b>	<b>5010</b>

EW = Epid. Week

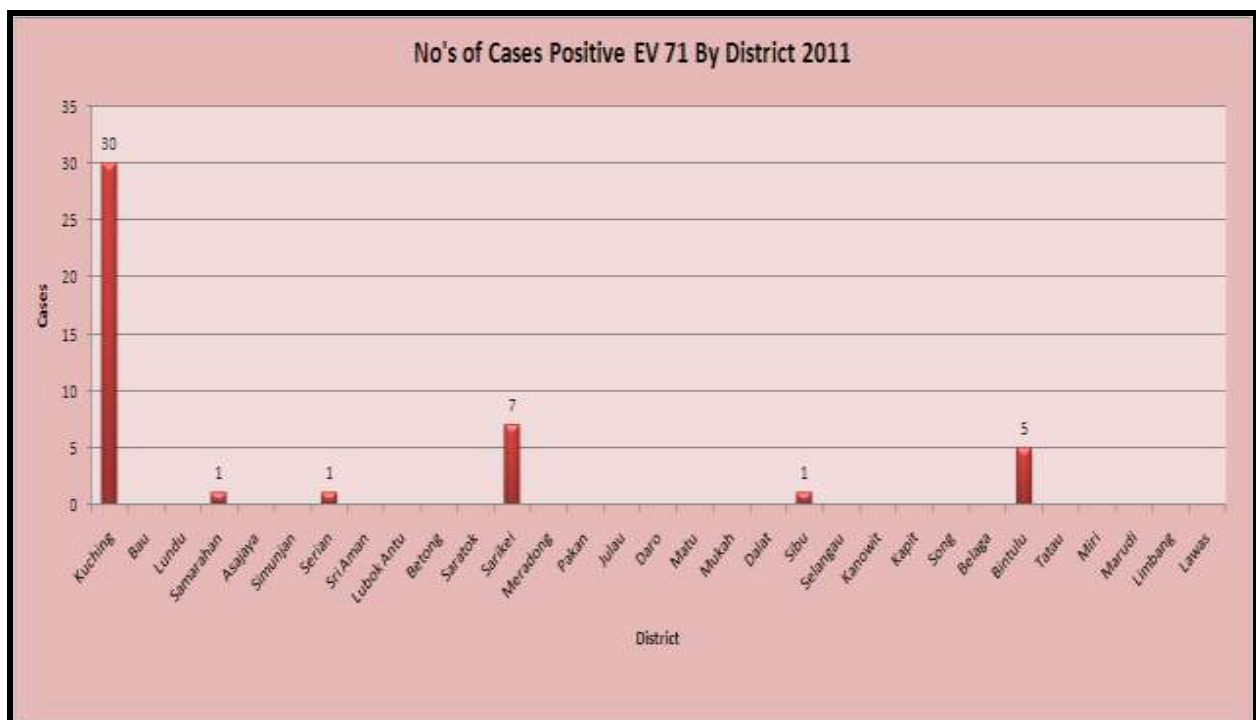
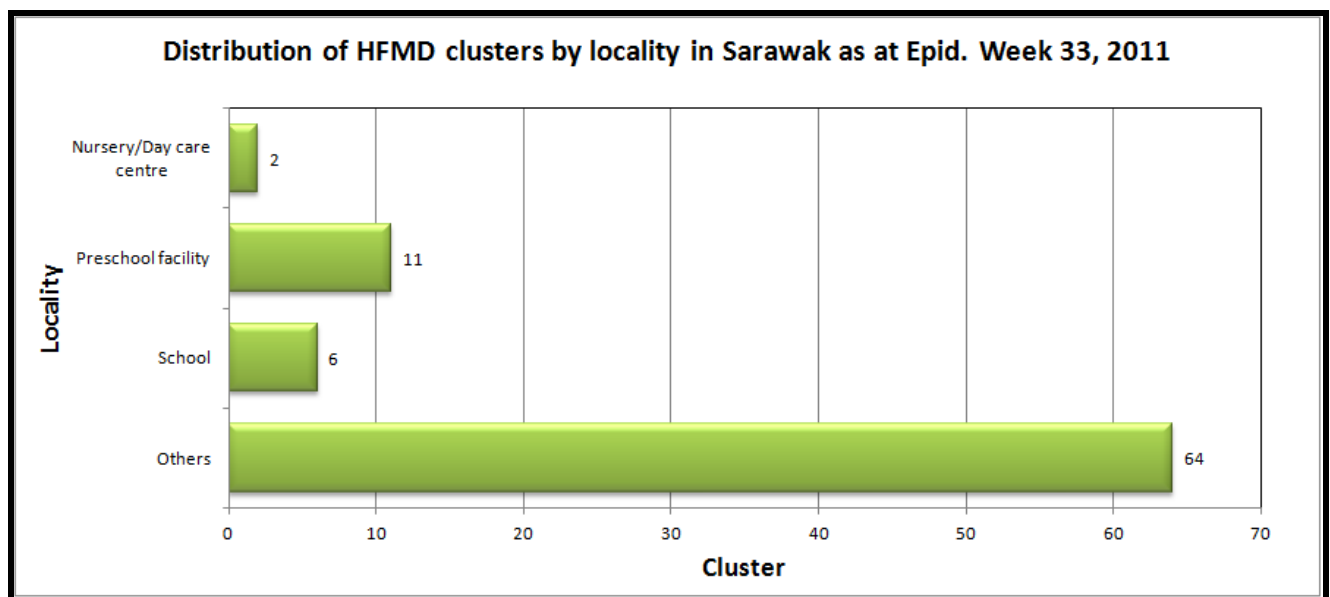


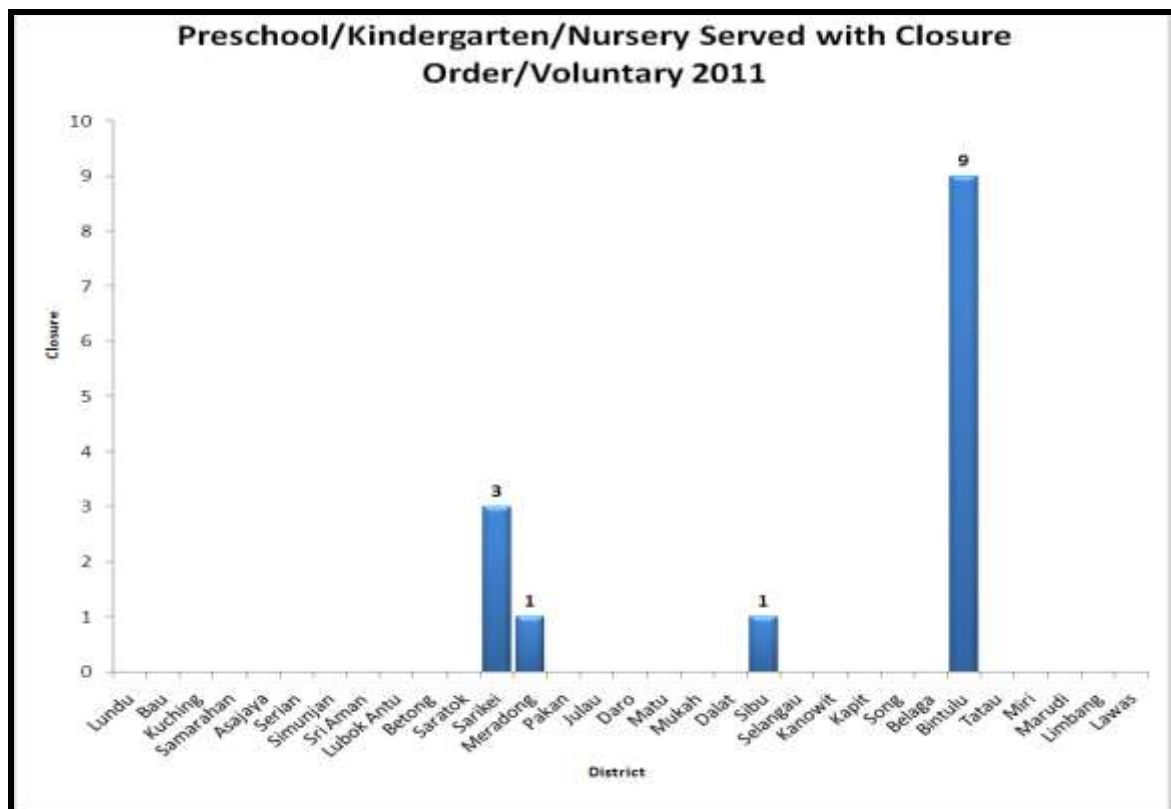
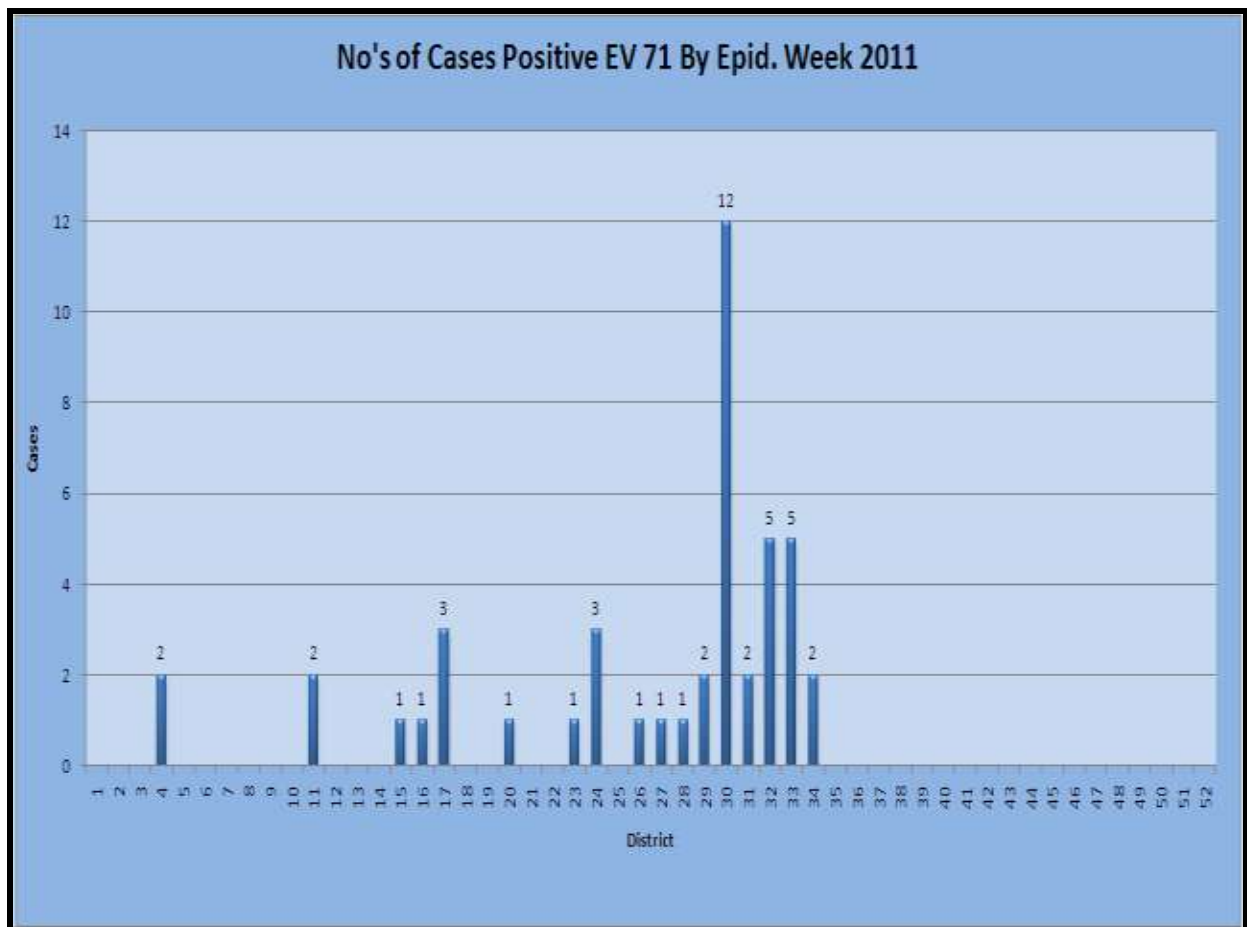
A total of 55 cases reported in Epid. Week 37, 2011. This was a decrease of 26 cases from Epid. Week 36, 2011. A cumulative total of 1,753 cases reported compared to 4,376 cases during the same period in 2010.

### 5.2.1. Cumulative HFMD Clusters as of 17<sup>th</sup> September 2011.

Seven HFMD clusters reported in Epid. Week 37, 2011 and all are involving family clusters at Kuching, Sarikei, Bintulu and Limbang district.

As at 17<sup>th</sup> September 2011, a total of 83 clusters reported. Of these, 64 (77.11%) were family clusters, 10 (12.05%) were cluster in preschool facilities, six (7.23%) were in school and two (2.41%) was in nursery or day care centre.







**5.3. Notified Leptospirosis cases for Epid. Week 37, 2011 compared to Epid. Week 37, 2010 and cumulative cases till Epid. Week 37 in 2011.**

District	Case classification (positive)				Total positive leptospirosis	
	Confirmed		Probable		2011	2010
	EW 37/2011	EW 37/2010	EW 37/2011	EW 37/2010		
Bau	0	0	0	0	0	1
Lundu	0	0	0	0	0	0
Kuching	0	0	4	1	18	12
Asajaya	0	0	0	0	2	0
Samarahan	0	0	0	0	2	1
Serian	0	0	0	0	4	2
Simunjan	0	0	1	0	2	1
Sri Aman	0	0	0	0	6	1
Lubok Antu	0	0	0	1	5	3
Betong	0	0	0	0	3	0
Saratok	0	0	0	0	2	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	8	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	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>6</b>	<b>2</b>	<b>81</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 37, 2011 compared to Epid. Week 37, 2010 and cumulative cases till Epid. Week 37 in 2011.**

District	Blood test result				Total positive	
	Positive				2011	2010
	Culture		Serology			
	EW 37/2011	EW 37/2010	EW 37/2011	EW 37/2010		
Bau	0	0	0	0	1	0
Lundu	0	0	0	0	0	0
Kuching	0	0	0	1	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	2	47	162
Belaga	0	0	0	1	12	28
Tatau	0	0	0	0	3	14
Bintulu	0	0	0	1	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	5	88	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.

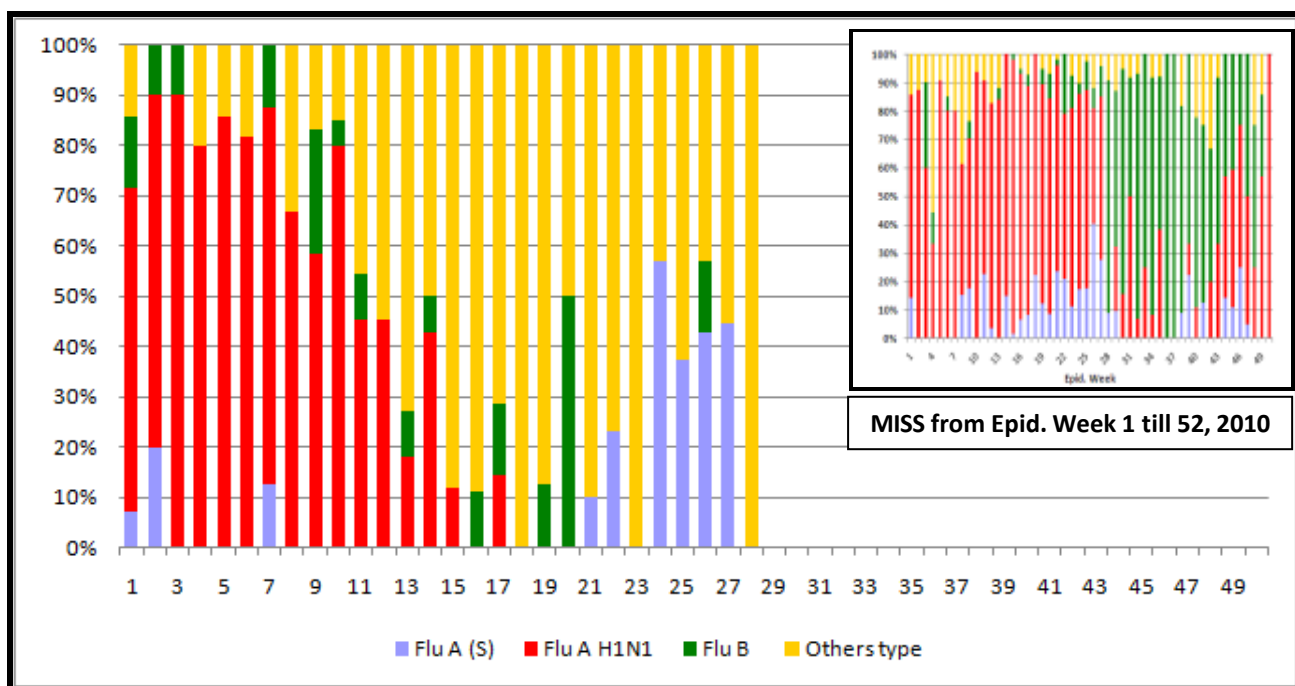
**5.4.1. Locality of melioidosis outbreak in Sarawak as at 17<sup>th</sup> September 2011.**

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

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

## 6. LABORATORY BASED SURVEILLANCE

### 6.1. Malaysia Influenza Surveillance System (MISS) (not included Sabah\*) from Epid Week 1 till Epid Week 25, 2011 compare to Epid Week 1 till Epid Week 52, 2010 (inset)



\* specimen from Sabah were analysed at MKAK Kota Kinabalu

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

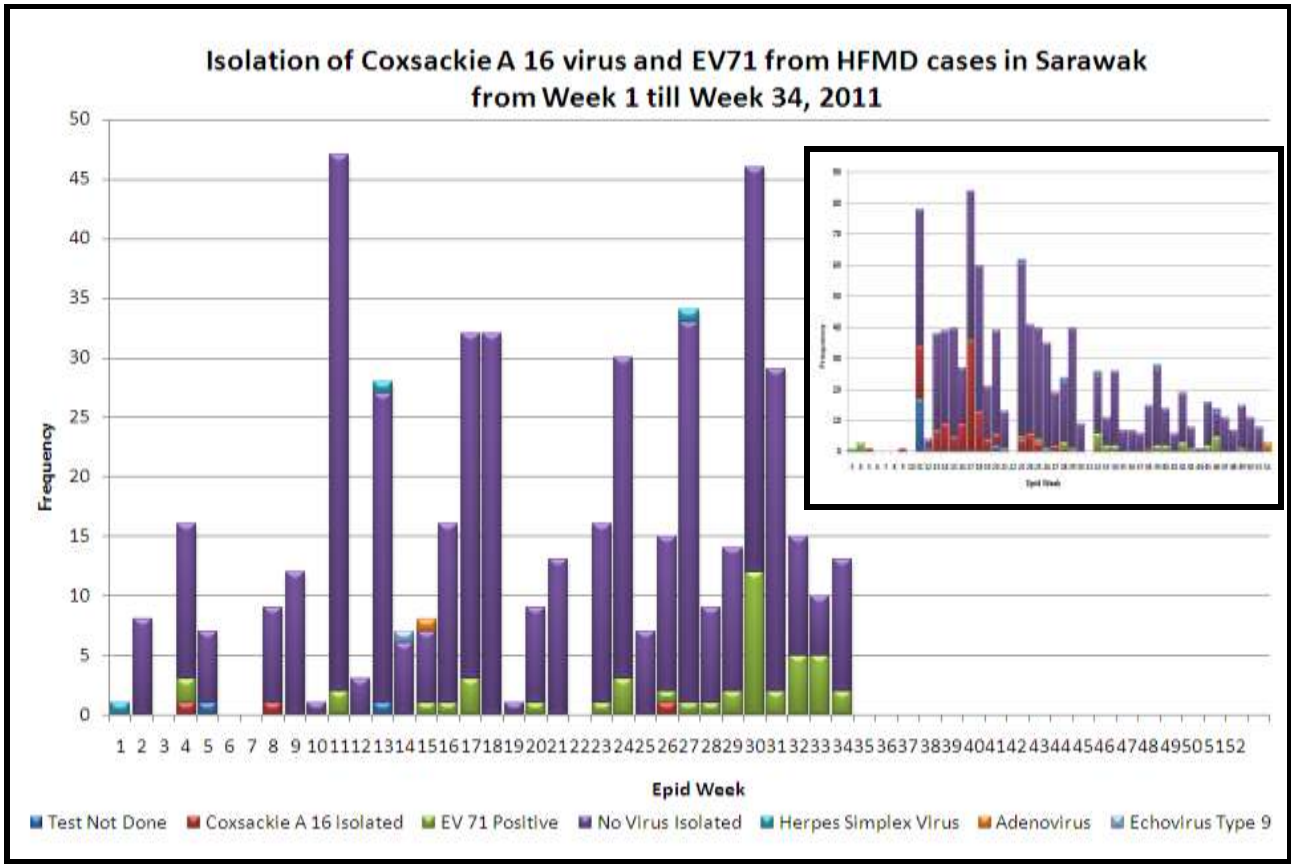
### 6.2. Laboratory Based Surveillance for Measles in Malaysia

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

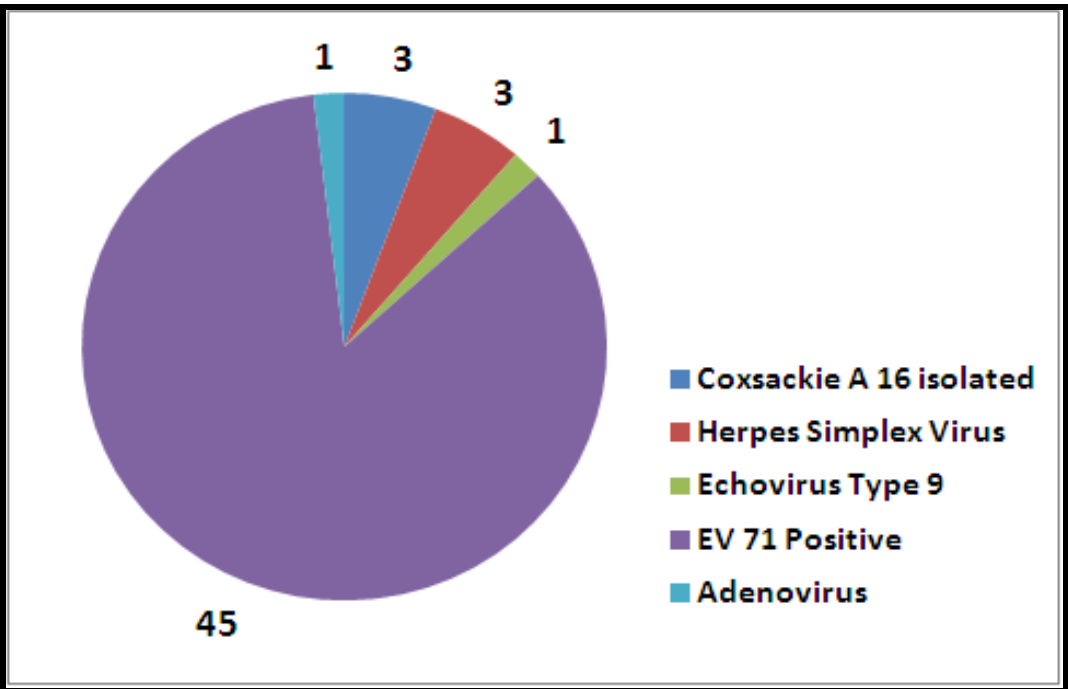
A total of 1,931 specimens for viral isolation were sent to MKAK Sg. Buloh. Of these, 158 (7.8%) specimens positive for virus isolation: measles (31); rubella (115); herpes simplex virus 1 (2); and adenovirus (4).

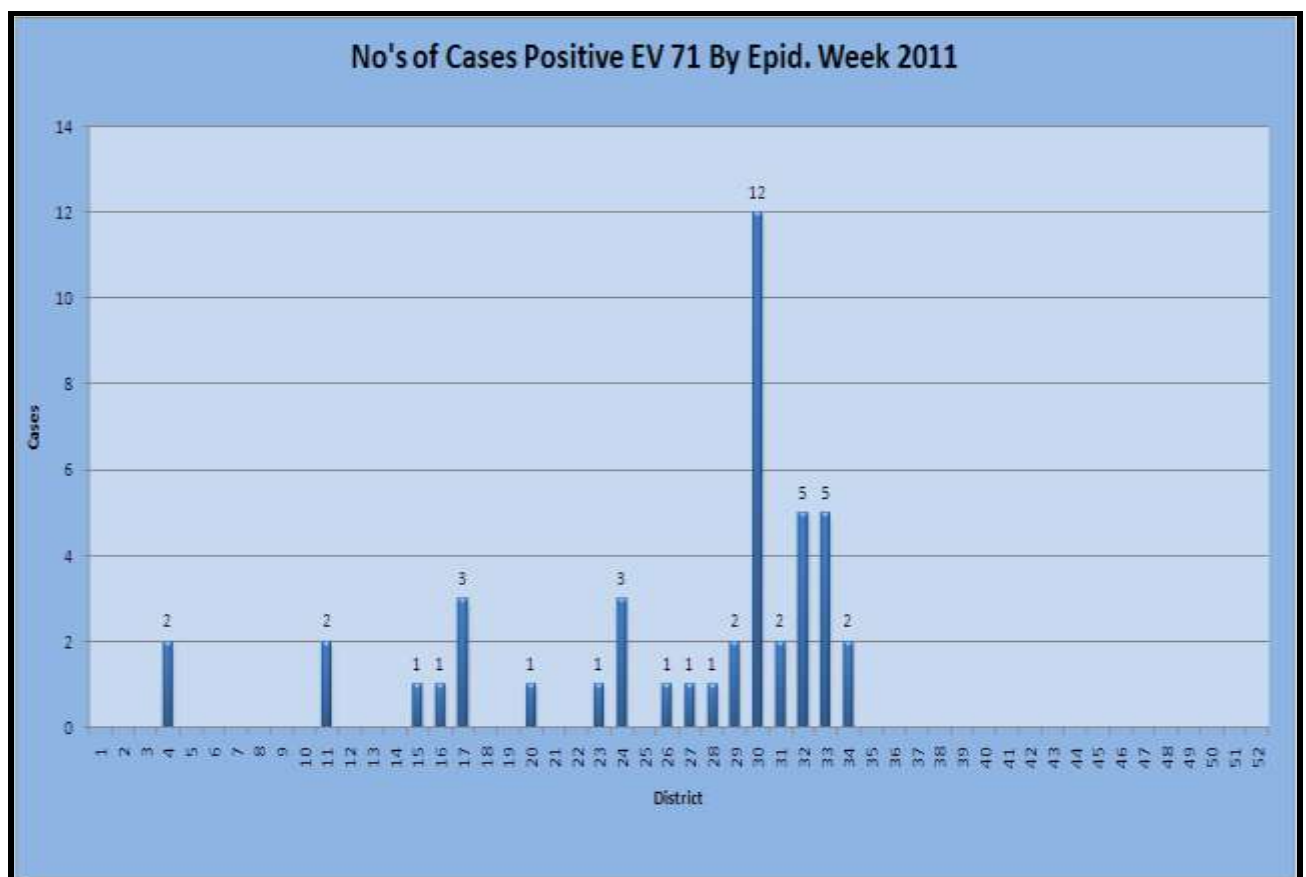
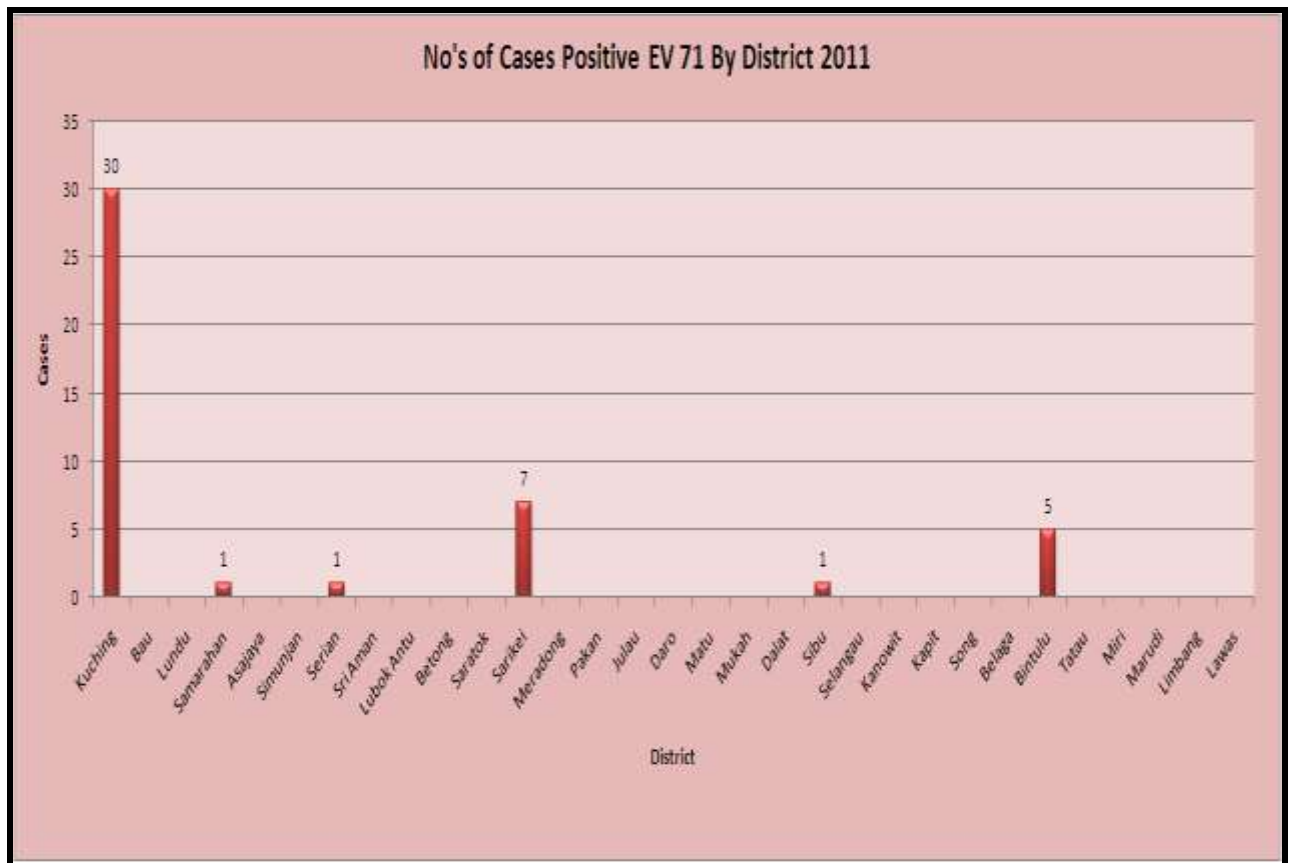
As at Epid Week 29, 2011, Sarawak had sent 136 specimens for serology test. Three specimens positive for measles IgM and 28 positive for rubella IgM. Only 12 specimens for measles viral isolation from Sarawak were sent to MKAK Sg. Buloh but so far none were positive.

6.3. Laboratory Based Surveillance for HFMD in Sarawak from Epid Week 1 till Epid Week 37, 2011 compared to 2010 (inset).



In Sarawak, as at Epid. Week 34, 2011, a total of 458 specimens were sent to MKAK Sg. Buloh for viral isolation. Of these, 53 specimens isolated viruses: EV71 (45 – 42 cases; three specimens from two patients), 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)**

## Appendix 2

The addresses and contact numbers of the Medical Officer of Health/Divisional Health Officers in Sarawak are listed below (as at 17<sup>th</sup> September 2011):

Bil	Jawatan / Nama	Alamat	Email	No. Hp
1	Ketua Penolong Pengarah Kanan Dr. Razitasham Binti Safii	Seksyen Kawalan Penyakit Berjangkit, Jabatan Kesihatan Negeri Sarawak	razitasham@srwk.moh.gov.my	Tel:082-421442 Fax: 082-234571
2	Ketua Penolong Pengarah Dr. Noorzilawati bt. Sahak	Seksyen Kawalan Penyakit Berjangkit, Jabatan Kesihatan Negeri Sarawak	drnoorzila@gmail.com	Tel: 082-246935
3	Pegawai Kesihatan Bahagian Kuching Dr. Kamarudin Lajim	Pejabat Kesihatan Bahagian, Bahagian Kuching, Jln Tun Ahmad Zaidi Adruce, 93250 Kuching	dhoshan@yahoo.com.sg kamarudinl@srwk.moh.gov.my	Tel:082 – 238635/257867 Fax:082-414542/250037 Hp:013-8014332
4	Pegawai Kesihatan Bahagian Samarahan 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	Pegawai Kesihatan Bahagian Sri Aman 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	Pegawai Kesihatan Bahagian Betong 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	Pegawai Kesihatan Bahagian Sarikei 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	Pegawai Kesihatan Bahagian Sibul 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	Pegawai Kesihatan Bahagian Kapit Dr. Ngian Hie Hung	Pejabat Kesihatan Bahagian, Bahagian Kapit, Tingkat 3, Wisma Persekutuan, 96800 Kapit	ngianhu@srwk.moh.gov.my ngianhu@yahoo.com	Tel:084-796404/084- Fax:084-798092 Hp:019-8199679
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**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.