



# SARAWAK

## WEEKLY EPID NEWS

Sarawak Health Department

WEEK 42

16<sup>th</sup> – 22<sup>th</sup> OCTOBER 2011

### INFECTIOUS DISEASE/CRISIS HIGHLIGHTS IN SARAWAK

In Epid. Week 42, 2011, Sarawak Health Department had received two notification of UHT milk poisoning at Sekolah Jenis Kebangsaan Cina Min Syn, Saratok and Sekolah Kebangsaan Chung Hua Sungai Tapang, Kota Sentosa, Kuching involving a total of 170 cases.

During the same week, seven clusters of HFMD were reported involving two preschool facilities and one primary school.

No vector borne diseases outbreak reported in Epid. Week 42, 2011.

#### INSIDE

Topic	Page
Infectious disease/crisis highlights in Sarawak	1
New outbreaks/clusters	2
Mandatory notifiable diseases	4
Vector Borne Diseases	8
Emerging/Re-emerging Infectious and Zoonotic Diseases	14
Laboratory based surveillance	24



**SARAWAK**  
State Health Department

CPRC (CRISIS PREPAREDNESS AND RESPONSE CENTRE)

Communicable Disease Control Section, Sarawak Health Department

(Phone: 082-246350; e-mail: opsroom\_jkns@srwk.moh.gov.my or cdcjkns@gmail.com;

Fax: 082-247254)

## 2. NEW OUTBREAKS/CLUSTERS

No	Disease	District	Locality	Case (No)	Outbreak declared
1	HFMD	# Kuching	Hua Joo Park, Batu 3, Jalan Penrisssen	2	19/10/2011
2			Kuaters Sekolah Menengah Shiekh Abdul Wahab, Jalan Matang	2	20/10/2011
3		# Miri	Lot 465, Kampung Bakam	2	19.10.2011
4		Belaga	Pra-sekolah, SK Long Gang, Sg. Koyan	6	21/10/2011
5			SK Long Gang, Sg. Koyan	3	21/10/2011
6			Kuarters, SK Long Gang, Sg. Koyan	2	21/10/2011
7			Tadika KEMAS, Uma Badeng	2	20/10.2011
8	Food Poisoning	Saratok	Sekolah Jenis Kebangsaan Cina Min Syn	46	20/10/2011
9		Kuching	Sekolah Kebangsaan Chung Hua Sungai Tapang, Kota Sentosa	90	21/10/2011

\*Late reporting to CPRC, Sarawak Health Department

# Not reported to CPRC, Sarawak Health Department

There were nine clusters/outbreaks were reported in Epid. Week 42, 2011 to Sarawak Health Department.

### 2.1. Preliminary report of Food Poisoning Outbreak at SJKC Min Syn, Saratok

PKD Saratok was notified of food poisoning at SJKC Min Syn Saratok on 20<sup>th</sup> October 2011. The total number of cases was 46 students out of 207 exposed. The cases presented with headache, vomiting and abdominal pain. First onset was 20<sup>th</sup> October 2011 at 08:00 am. All cases were treated as outpatient. The suspected food was UHT Milk.

### 2.2. Preliminary report of Food Poisoning Outbreak at SK Chung Hua Sg Tapang, Kuching

PKB Kuching was informed by one of the parents of possible food poisoning among students of SJK Chung Hua Sg Tapang Hilir Kuching on 21<sup>st</sup> October 2011 at 11:00am. Investigation was carried out on the same day.

**Epidemiologic Investigation.**

The number of students affected was 90 out of 347 exposed. The cases (Male= 46, Female=44) aged between 7- 13 years old were having symptoms of abdominal pain(86.7%), headache(15.6%), diarrhoea(15.6%), vomiting(12.2%), nausea(2.2%) and fever(2.2 %).

The first onset was on 20<sup>th</sup> October 2011 at 08:1am. The suspected food was UHT Milk and probable etiologic agent is *Staph. aureus* or *Bacillus cereus*.

**Environmental Assessment and Laboratory Analysis.**

The expiry date of the UHT Milk stated on packets are on 26/12/2011 and 21/1/2012. Sample have been collected for bacteriological analysis.

**Note:**

*This summary based on SMS Notification info (PKD Saratok) and Laporan Awal Wabak (PKB Kuching). CDC HQ has not yet received Laporan Awal from PKD Saratok.*

### 3. MANDATORY NOTIFIABLE DISEASES REPORTED IN EPID. WEEK 42, 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											2																
Bau						1					1																
Kuching						2			90	3	27							2									
Samarahan										1	2																
Asajaya																											
Simunjan																											
Serian											2																
Sri Aman						1				1	1							1									
L/ Antu													1														
Betong													1														
Saratok						1			80	1																	
Sarikei											2																
Meradong																											
Pakan/Julau													4														
Daro																											
Matu																											
Dalat																											
Mukah											5																
Sibu						2				5	7		1					5									
Kanowit													7														
Selangau																											
Song													3														
Kapit													4														
Belaga											7		4														
Tatau						1							1														
Bintulu											19																
Miri	1/0					1					12		1														
Marudi						1							7														
Limbang																											
Lawas																											
TOTAL (Week 42)	1/0	0	0	0	0	10	0	0	170	11	87	0	34	0	0	0	0	0	8	0	0	0	0	0	0	0	0
Total (2011)	82/58	0	0	252	0	786	9	0	1308	336	2271	10	1406	32	186	0	0	0	119	1	1499	4	0	111	9	0	101
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**

Two food poisoning outbreaks were reported in Epid. Week 42, 2011, involving two Chinese Primary School in Saratok and Kuching district. The total cases were 170 persons and the suspected food was UHT Milk.

The cumulative total of food poisoning cases were 1,308 that consist of 48 outbreaks. Out of 50 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 42, 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 42, 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 42, 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)**

No suspected measles cases were reported in Epid. Week 42, 2011.

The cumulative total of suspected measles cases was 186. 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**

No case was reported in Epid. Week 42, 2011.

Out of the cumulative total of 32 suspected pertussis cases reported in 2011, four cases were confirmed by culture (SGH Kuching: 3; Miri: 1) and one case confirmed by PCR from Sibu hospital.

### **3.2.3. Tetanus**

No case reported in Epid. Week 42, 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 42, 2011.

The cumulative total of viral hepatitis cases were 111. Of these, 58 cases were Hepatitis B where 27 were acute and 31 were chronic. Another 53 cases were Hepatitis C where 15 cases were acute and 38 were chronic.

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

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

One HIV case was reported in Epid. Week 42, 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**

Eleven new gonorrhoea cases were reported in Epid. Week 42, 2011. Five cases reported from Sibu, three cases from Kuching and one each from Samarahan, Sri Aman and Saratok district.

Out of the cumulative total of 336 cases reported, 334 were adults and only two cases confirmed as gonococcal neonatorum.

### **3.3.3. Syphilis**

Eight new cases were reported in Epid. Week 42, 2011 from Sibu (5 cases), Kuching (2 cases) and Sri Aman (1 case) district.

The cumulative total of syphilis cases were 119.

### ***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 42, 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 42, 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 42.

Total cases for Filariasis reported up to Epid. Week 42, 2011 were five.

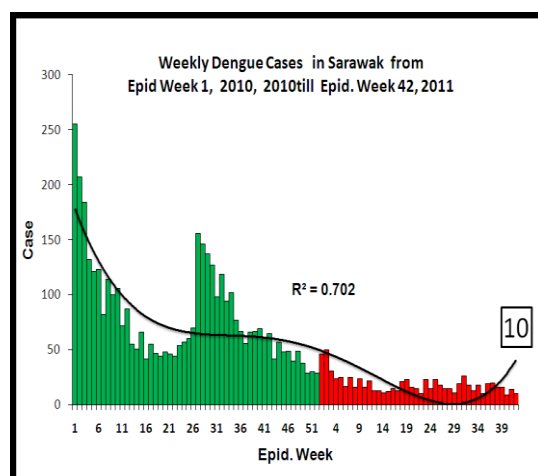
**Note: Vector borne diseases and emerging and re-emerging infectious diseases will be discussed in their respective chapter.**

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

##### 4.1. Notified Dengue cases for Epid. Week 42, 2011 compared to Epid. Week 42, 2010 and cumulative cases till Epid. Week 42 in 2010.

District	2011		2010		Total
	EW 42	Cum.	EW 42	Cum.	
Lundu	0	9	0	59	69
Bau	1	24	2	113	123
Kuching	2	91	6	423	473
Samarahan	0	20	3	89	97
Asajaya	0	4	0	10	10
Serian	0	13	1	134	140
Simunjan	0	12	0	43	47
Sri Aman	1	42	1	85	96
Lubok Antu	0	20	0	43	53
Betong	0	11	0	24	30
Saratok	1	7	0	18	20
Sarikei	0	22	4	84	91
Meradong	0	12	0	49	53
Pakan	0	15	0	25	30
Julau	0	14	2	17	20
Daro	0	6	1	77	95
Matu	0	1	0	25	25
Dalat	0	2	0	10	14
Mukah	0	5	0	35	39
Sibu	2	63	12	947	1021
Kanowit	0	25	0	58	64
Selangau	0	9	5	24	32
Song	0	10	2	13	16
Kapit	0	27	2	149	158
Belaga	0	22	2	30	39
Tatau	1	35	0	28	40
Bintulu	0	91	5	213	237
Miri	1	101	9	747	816
Marudi	1	49	1	117	126
Limbang	0	18	7	117	131
Lawas	0	6	0	23	35
<b>Sarawak</b>	<b>10</b>	<b>786</b>	<b>65</b>	<b>3829</b>	<b>4240</b>

EW = Epid. Week



A total of 10 dengue cases was reported for Epid. Week 42, 2011 as compared to 65 cases during the same period in 2010.

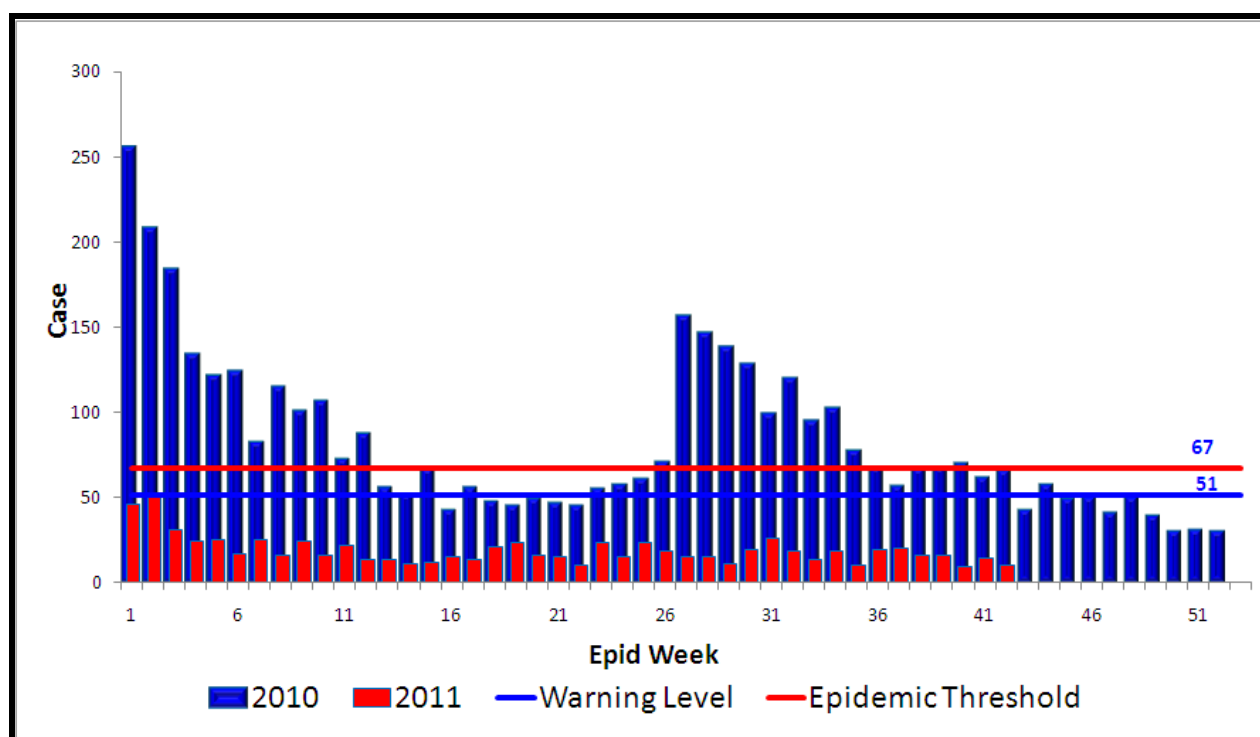
**No outbreak and uncontrolled outbreak localities was reported.**

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

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

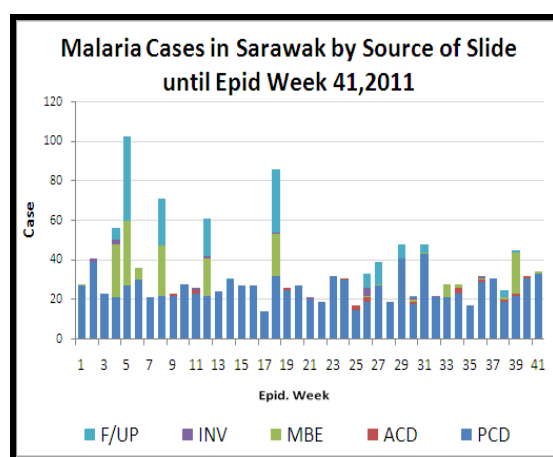
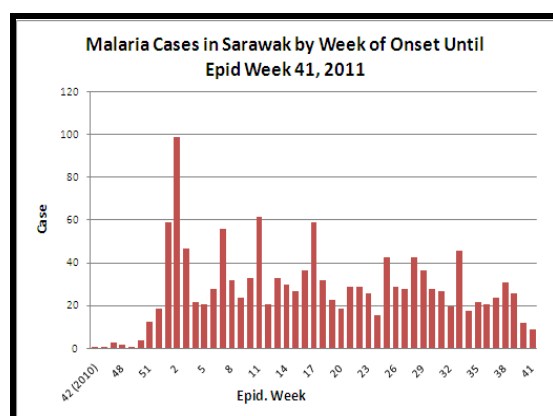
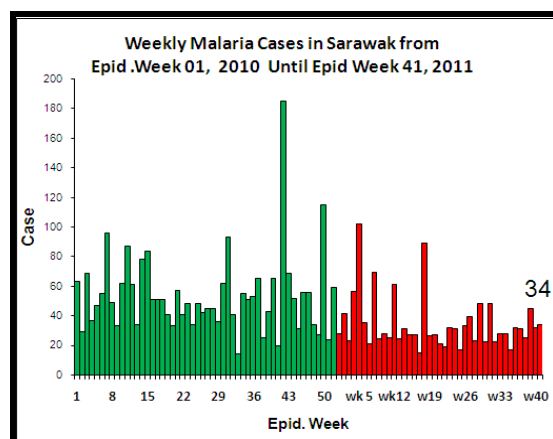


#### 4.1.1 Weekly dengue cases showing warning and epidemic level in 2011 compared to 2010.



**4.2. Notified Malaria cases for Epid. Week 41, 2011 compared to Epid. Week 41, 2010 and cumulative cases till Epid. Week 41 in 2011.**

District	2011		2010		Total
	EW 41	Cum.	EW 41	Cum.	
Lundu	0	29	0	65	72
Bau	0	3	0	8	9
Kuching	0	19	0	22	27
Samarahan	0	3	0	1	2
Asajaya	0	0	0	0	0
Simunjan	0	2	0	16	17
Serian	0	20	1	56	58
Sri Aman	0	14	0	18	25
Lubok Antu	1	19	0	16	16
Betong	1	34	1	9	15
Saratok	0	2	0	4	4
Sarikei	0	15	0	6	8
Meradong	0	9	0	2	3
Pakan	3	21	0	14	14
Julau	1	62	0	26	34
Daro	0	1	0	0	1
Matu	0	0	0	0	1
Dalat	0	8	0	13	14
Mukah	0	2	0	5	6
Sibu	1	35	0	32	43
Kanowit	7	68	2	53	65
Selangau	0	12	0	8	9
Song	3	58	0	35	46
Kapit	4	179	3	104	134
Belaga	4	107	3	264	300
Tatau	1	25	0	11	12
Bintulu	0	36	2	25	39
Miri	1	31	1	24	32
Marudi	7	550	7	1200	1734
Limbang	0	16	0	27	29
Lawas	0	26	0	30	33
<b>Sarawak</b>	<b>34</b>	<b>1406</b>	<b>20</b>	<b>2094</b>	<b>2802</b>



A total of 34 cases were reported on week 41, 2011. Cumulative cases till week 41 were 1406 cases. Of the 1406 cases, 551 cases (39.2%) from Marudi District, 179 cases (12.7%) from Kapit District and 107 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 41	Epid. Week 1 – Epid. Week 41
Passive Case Detection (PCD)	33	1042
Active Case Detection (ACD)	0	16
Investigation slides ( INV)	0	13
Mass Blood Survey (MBS)	1	177
Follow-up	0	158
<b>Total</b>	<b>34</b>	<b>1406</b>

#### 4.2.2. Case by species

Species	Epid. Week 41	Epid. Week 1 – Epid. Week 41
<i>Plasmodium vivax</i>	12	789
<i>Plasmodium falciparum</i>	2	75
<i>Plasmodium malariae</i>	9	273
<i>Plasmodium knowlesi</i>	11	263
<i>Plasmodium ovale</i>	0	1
Mixed infection	0	5
<b>Total</b>	<b>34</b>	<b>1406</b>

#### 4.2.3. Case classification

Classification	Epid. Week 41	Epid. Week 1 – Epid. Week 41
Indigenous	29	1106
*Imported A	5	184
Relapsed	0	115
Congenital	0	1
<b>Total</b>	<b>34</b>	<b>1406</b>

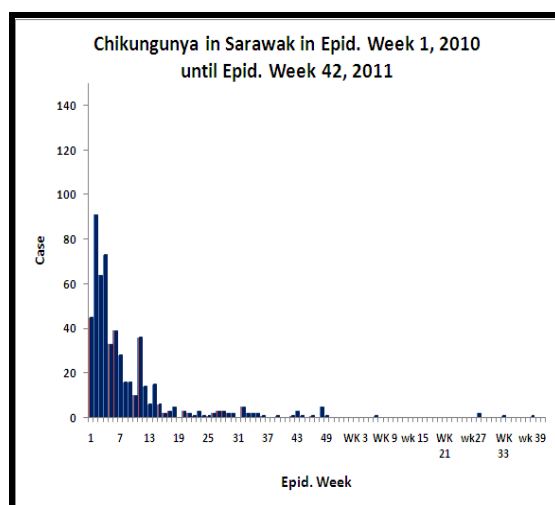
#### 4.2.4. The source of infection of the \*Imported A cases and the species involved.

No.	District reported	Source of infection	Nationality	Age	Gender	Address in Sarawak	Species
1	Sibu	KKB Rimbunan Hijau, Batta, Kenya, Africa	Malaysian	41	Male	Jalan Permai Tmur 1, Sibu	<i>P. malarie</i>
2	Kapit	KKB LSM, New Island, Papua New Guinea	Malaysia	39	Male	Tatai Ruai, Kapit	<i>P. vivax</i>
3		KKB Seamill Rimbunan Hijau, Guinea Equatorial, West Africa	Malaysian	38	Male	Taman Ixora, Jalan Selirik, Kapit	<i>P. falciparum</i>
4	Tatau	Bontalia Papua New Guinea	Malaysian	49	Male	Setinggalan Pasar Tatau, Tatau	<i>P. vivax</i>
5	Kanowit	KK Congo, South Africa	Malaysian	42	Male	Rh. Limbai, Nanga Machan, Kanowit	<i>P. falciparum</i>

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

District	2011		2010		Total
	EW 42	Cum.	EW 42	Cum.	
Lundu	0	0	0	1	1
Bau	0	0	0	13	13
Kuching	0	1	0	72	72
Samarahan	0	0	0	2	3
Asajaya	0	1	0	1	1
Serian	0	1	0	15	15
Simunjan	0	0	0	17	17
Sri Aman	0	0	0	26	26
Lubok Antu	0	0	0	16	16
Betong	0	1	1	12	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
<b>Sarawak</b>	<b>0</b>	<b>5</b>	<b>1</b>	<b>539</b>	<b>550</b>

EW = Epid Week



No case of Chikungunya was reported in Epid. Week 42, 2011. During the same period in 2010, one case was reported. The cumulative case of Chikungunya for 2011 remained 5 cases.

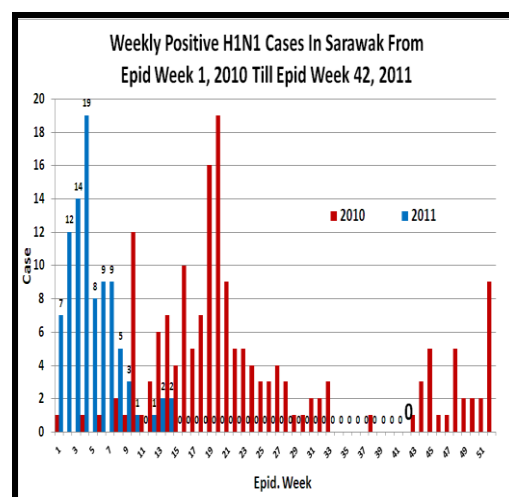
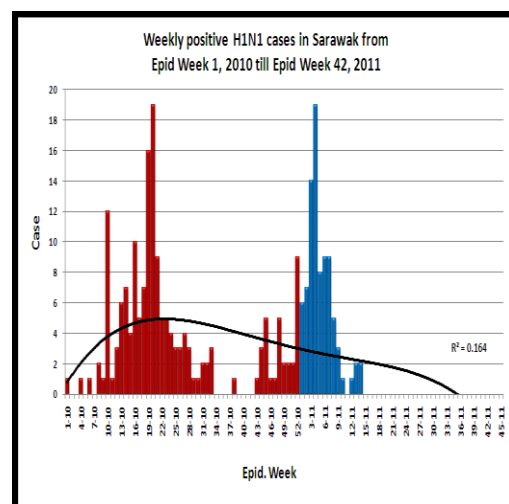
## 5. EMERGING/RE-EMERGING INFECTIOUS AND ZONOTIC DISEASES

### 5.1. H1N1

5.1.1 Positive Pandemic Influenza A (H1N1) cases for Epid. Week 42, 2011 compared to Epid. Week 42, 2010 and cumulative cases till Epid. Week 42 in 2011.

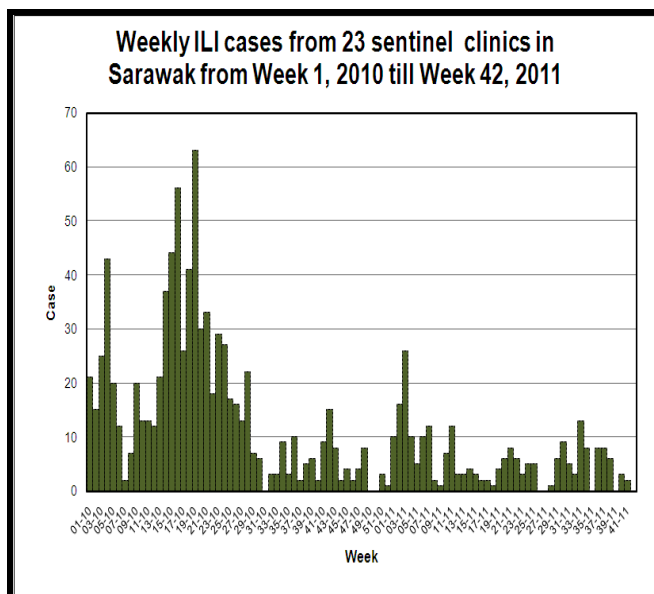
District	2011		2010		
	EW 42	Cum.	EW 42	Cum.	Total
Lundu	0	1	0	8	9
Bau	0	0	0	1	1
Kuching	0	51	0	42	61
Samarahan	0	0	0	8	8
Simunjan	0	0	0	3	4
Serian	0	0	0	2	2
Sri Aman	0	0	0	4	4
Lubok Antu	0	0	0	0	0
Betong	0	1	0	0	0
Saratok	0	0	0	0	0
Sarikei	0	0	0	2	2
Meradong	0	0	0	0	0
Julau	0	0	0	0	0
Daro	0	0	0	0	0
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	21	20
Lawas	0	1	0	2	2
<b>TOTAL</b>	<b>0</b>	<b>92</b>	<b>0</b>	<b>138</b>	<b>161</b>

EW = Epid. Week



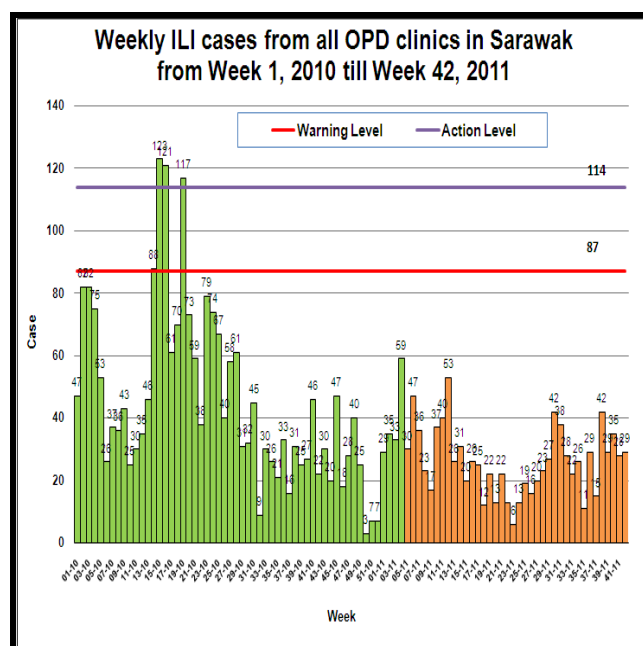
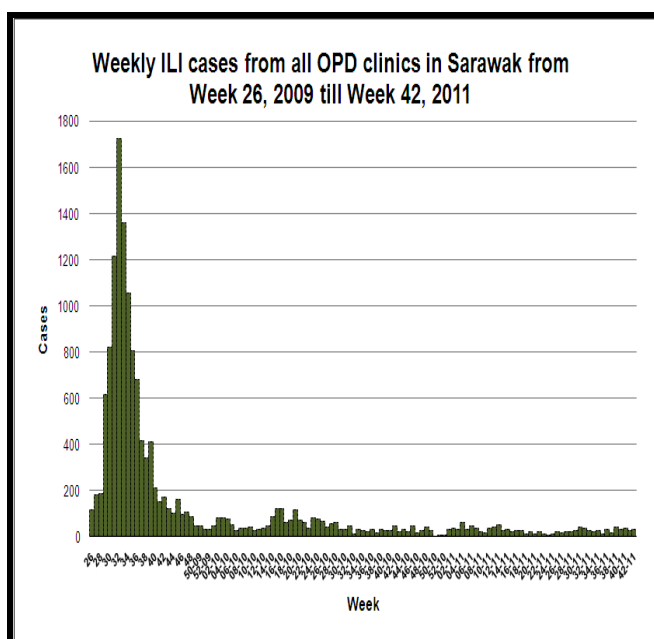
No H1N1 positive case was reported in Epid. Week 42, 2011. The cumulative total cases in 2011 were 92 cases compared to 138 cases reported during the same period in 2010.

### 5.1.2 Outpatient Influenza-Like Illness (ILI) Surveillance from Epid. Week 1 in 2010 till Epid. Week 42 in 2011.



In Epid. Week 42, 2011, no ILI cases was 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/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**.

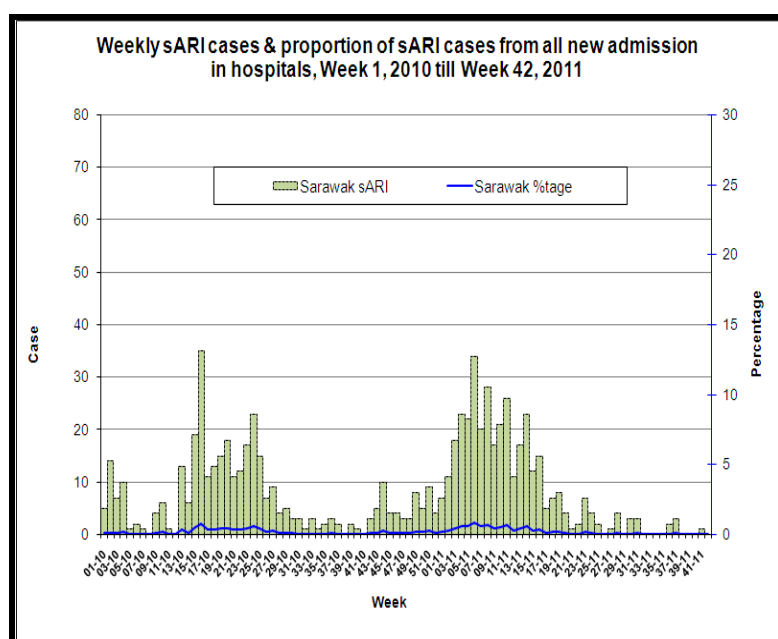
### 5.1.3. New and Cumulative ILI Clusters as of 22<sup>th</sup> October 2011.

Division	New Cluster (No)	Positive	Negative	Cumulative
Kuching	0	13	3	16
Samarahan	0	0	0	0
Sri Aman	0	0	0	0
Betong	0	0	0	0
Sarikei	0	0	0	0
Sibu	0	0	0	0
Kapit	0	0	0	0
Bintulu	0	0	1	1
Miri	0	1	0	1
Limbang	0	0	0	0
<b>TOTAL</b>	<b>0</b>	<b>14</b>	<b>4</b>	<b>18</b>

Note: First cluster in 2011 was detected on 31/12/2010 and the latest was on 9/4/2011.



### 5.1.4. Severe Acute Respiratory (sARI) Infection Cases



sARI is suspected when:

1. meets ILI case definition (sudden onset of fever  $> 38^{\circ}\text{C}$  and cough or sore throat in the absence of other diagnosis, **AND**
2. shortness of breath or difficulty of breathing, **AND**
3. requires hospital admission (Disease Control Division, Ministry of Health, October 2009)

### 5.1.5. Weekly Summary Report on sARI Admission in Government Hospitals in Sarawak as at 22<sup>th</sup> October 2011.

Division	Hospital	New EW 42	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

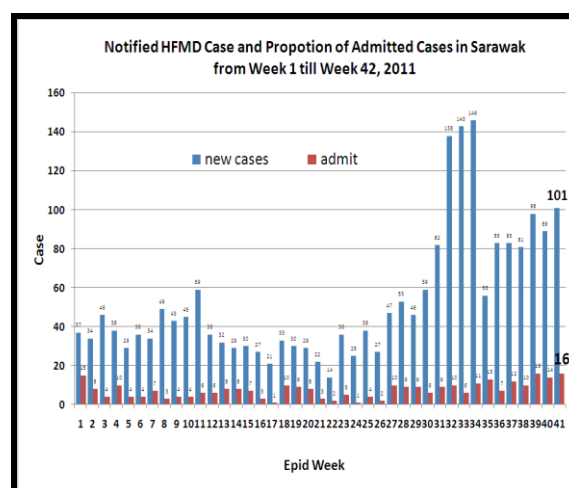
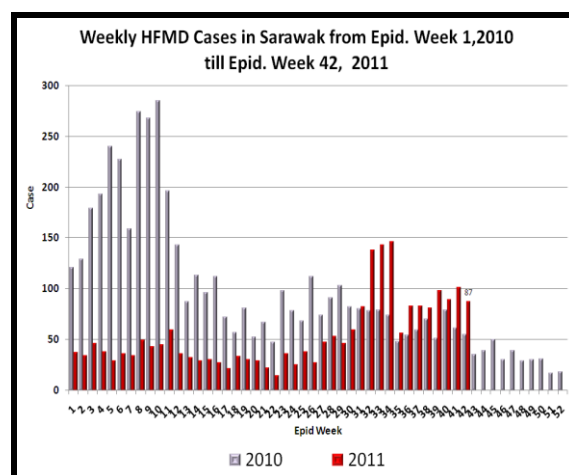
EW = Epid. Week

No sARI admission was reported in Epid. Week 42, 2011.

## 5.2. Notified HFMD 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 2010
	EW 42	Cum.	Ew 42	Cum.	
Kuching	27	415	10	923	961
Bau	1	72	0	208	209
Lundu	2	23	1	71	86
<b>KUCHING</b>	<b>30</b>	<b>510</b>	<b>11</b>	<b>1202</b>	<b>1256</b>
Samarahan	2	102	0	126	127
Asajaya	0	26	0	5	7
Simunjan	0	17	0	35	37
Serian	2	26	0	25	25
<b>SAMARAHAN</b>	<b>4</b>	<b>171</b>	<b>0</b>	<b>191</b>	<b>196</b>
Sri Aman	1	88	1	140	145
Lubok Antu	0	12	0	23	23
<b>SRI AMAN</b>	<b>1</b>	<b>100</b>	<b>1</b>	<b>163</b>	<b>168</b>
Betong	0	39	3	86	103
Saratok	0	30	0	38	38
<b>BETONG</b>	<b>0</b>	<b>69</b>	<b>3</b>	<b>124</b>	<b>141</b>
Sarikei	2	150	0	198	206
Meradong	0	65	0	54	55
Pakan	0	4	0	37	37
Julau	0	4	2	23	24
<b>SARIKEI</b>	<b>2</b>	<b>223</b>	<b>2</b>	<b>312</b>	<b>322</b>
Daro	0	0	0	24	24
Matu	0	2	0	19	20
Mukah	5	48	2	248	259
Dalat	0	18	0	108	108
<b>MUKAH</b>	<b>5</b>	<b>68</b>	<b>2</b>	<b>399</b>	<b>411</b>
Sibu	7	116	2	492	517
Selangau	0	6	0	12	17
Kanowit	0	22	0	44	44
<b>SIBU</b>	<b>7</b>	<b>144</b>	<b>2</b>	<b>548</b>	<b>578</b>
Kapit	0	50	0	113	116
Song	0	11	0	29	29
Belaga	7	32	0	10	10
<b>KAPIT</b>	<b>7</b>	<b>93</b>	<b>0</b>	<b>152</b>	<b>155</b>
Bintulu	19	626	14	555	629
Tatau	0	25	1	21	28
<b>BINTULU</b>	<b>19</b>	<b>651</b>	<b>15</b>	<b>576</b>	<b>657</b>
Miri	12	191	17	824	911
Marudi	0	40	2	94	105
<b>MIRI</b>	<b>12</b>	<b>231</b>	<b>19</b>	<b>918</b>	<b>1016</b>
Limbang	0	8	0	54	54
Lawas	0	3	0	53	56
<b>LIMBANG</b>	<b>0</b>	<b>11</b>	<b>0</b>	<b>107</b>	<b>110</b>
<b>SARAWAK</b>	<b>87</b>	<b>2271</b>	<b>55</b>	<b>4692</b>	<b>5010</b>

EW = Epid. Week



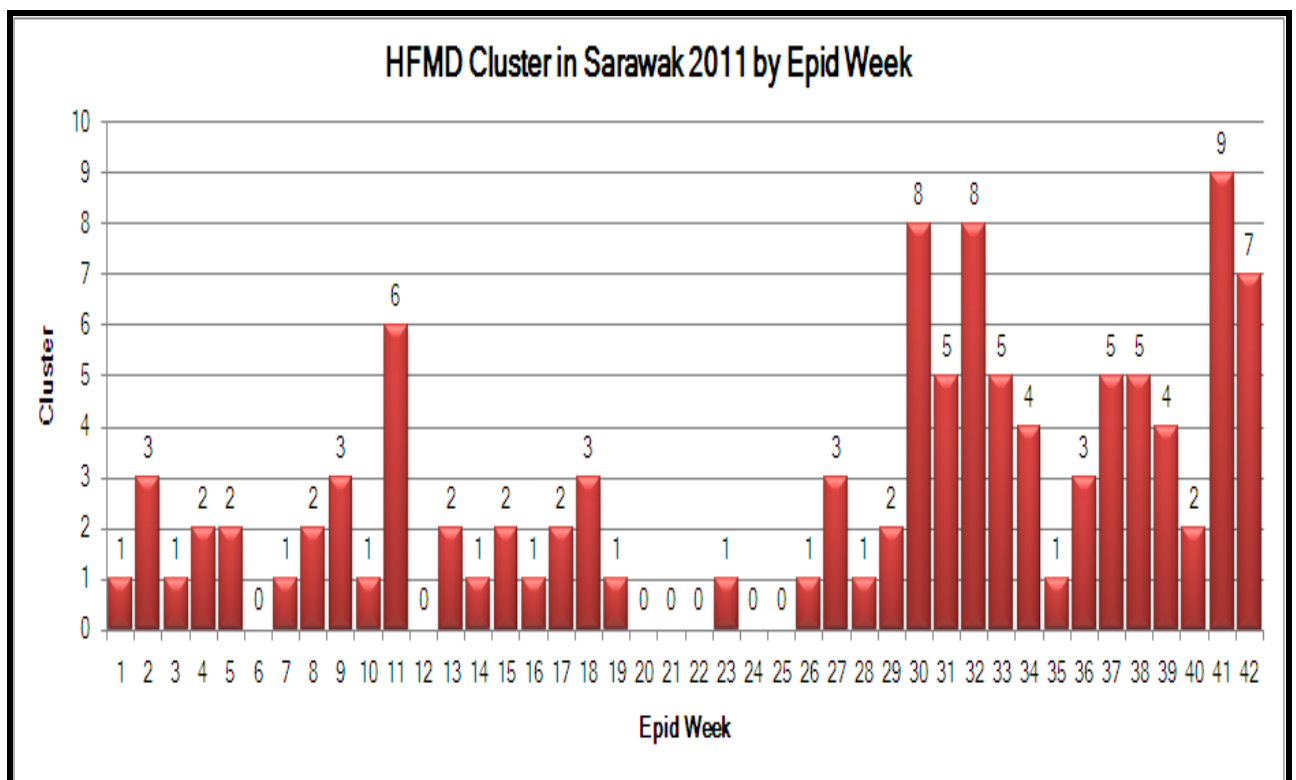
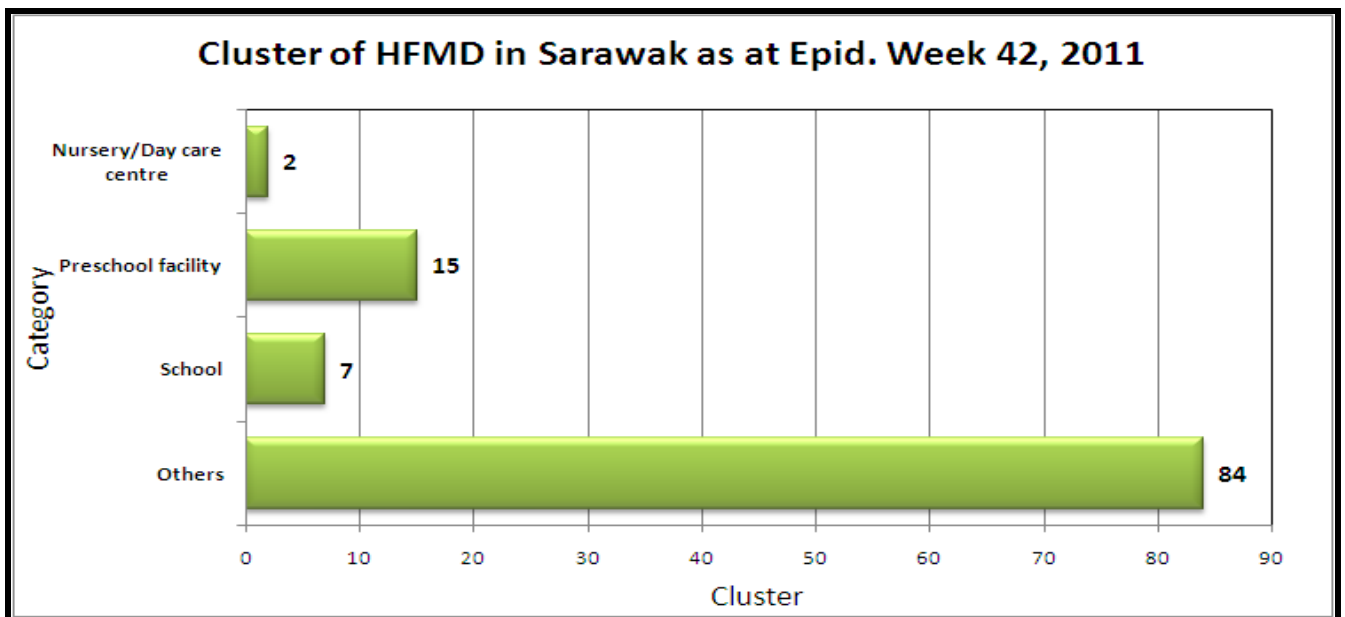
A total of 87 cases were reported in Epid. Week 42, 2011.

A cumulative total of 2,271 cases reported compared to 4,692 cases during the same period in 2010.

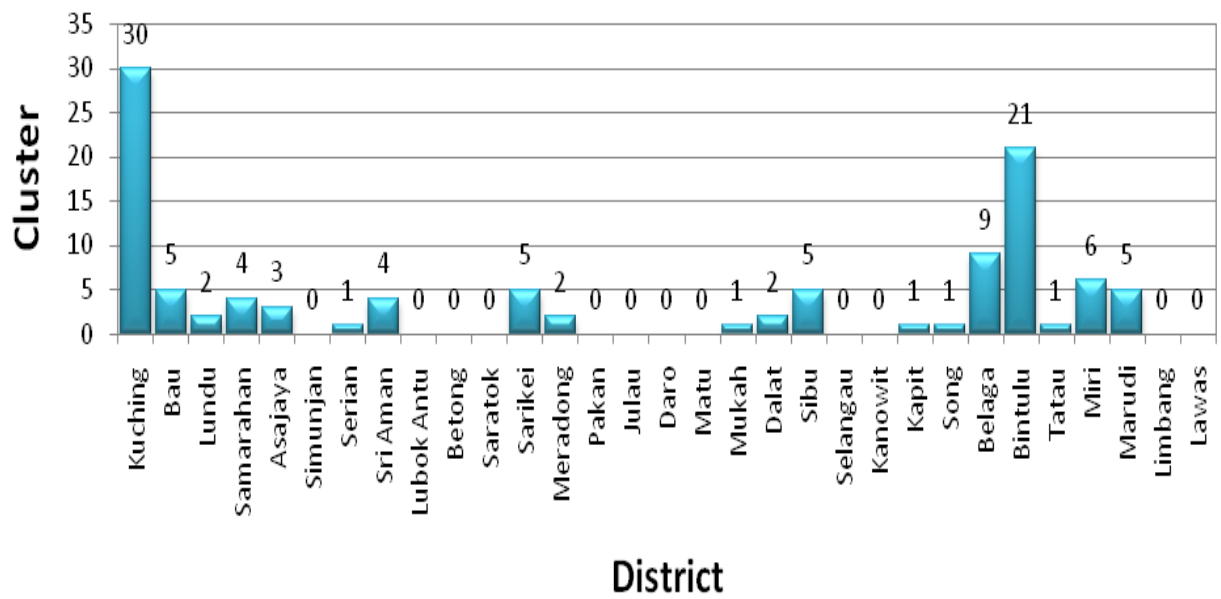
### 5.2.1. Cumulative HFMD Clusters as of 22<sup>th</sup> October 2011.

Seven HFMD clusters reported in Epid. Week 42, 2011 involved two preschool (Belaga), One Primary School (Belaga) and three family clusters at Miri (1) dan Kuching (2) district.

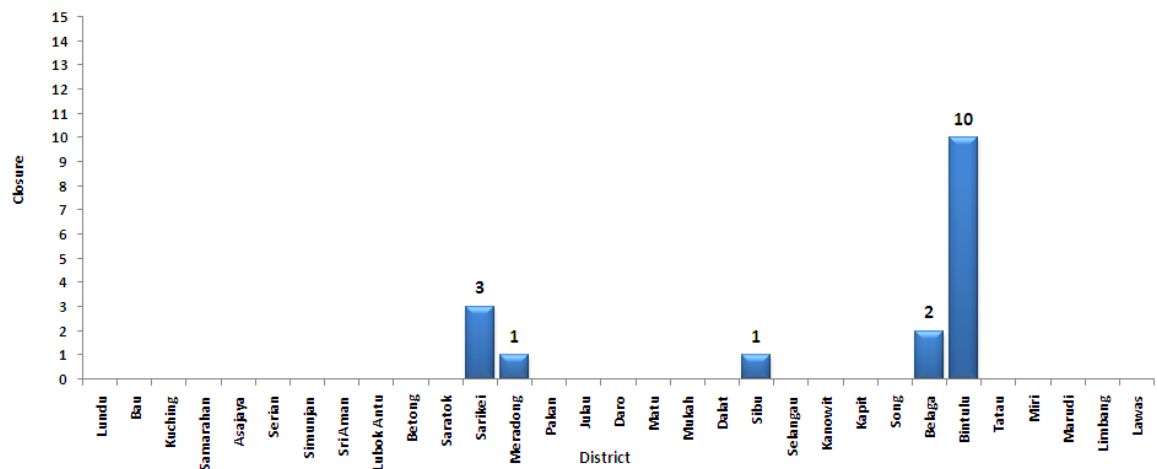
As at 22<sup>th</sup> October 2011, a total of 108 clusters reported. Of these, 84 (77.78%) were family cluster, 15 (13.89%) were cluster in preschool facilities, seven (6.48%) were in school and two (1.85%) was in *nursery* or day care centre.



### HFMD Cluster in Sarawak 2011 by District



### Preschool/Kindergarten/Nursery Served with Closure Order/Voluntary 2011



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

District	Case classification (positive)				Total positive leptospirosis	
	Confirmed		Probable		2011	2010
	EW 42/2011	EW 42/2010	EW 42/2011	EW 42/2010		
Bau	0	0	0	0	0	1
Lundu	0	0	0	0	0	0
Kuching	0	0	0	1	25(2)	12
Asajaya	0	0	0	0	3	0
Samarahan	0	0	0	0	4	1
Serian	0	0	0	0	5	2
Simunjan	0	0	0	0	3	1
Sri Aman	0	0	0	0	7	1
Lubok Antu	0	0	0	0	6	3
Betong	0	0	0	0	4	0
Saratok	0	0	0	0	5	0
Sarikei	0	0	0	0	0	1
Meradong	0	0	0	0	0	1
Pakan	0	0	0	0	1	1
Julau	0	0	0	0	0	1
Dalat	0	0	0	0	0	0
Mukah	0	0	0	0	2	1
Daro	0	0	0	0	1	1
Matu	0	0	0	0	0	0
Sibu	0	0	0	0	2	6
Kanowit	0	0	0	0	2	1
Selangau	0	0	0	0	2	0
Song	0	0	0	0	0	2
Kapit	0	0	0	0	9	1
Belaga	0	0	0	0	4	0
Tatau	0	0	0	0	0	0
Bintulu	0	0	0	1	8	6
Miri	0	1	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>1</b>	<b>0</b>	<b>3</b>	<b>101</b>	<b>49</b>

Note: ELISA = Enzyme-Linked Immunosorbent Assay; MAT = microscopic agglutination test

Total positive = ELISA (probable) + MAT (not included equivocal result)

2011: Number of cases will depend on which Epid. Week results are received

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

**Leptospirosis was gazetted as a notifiable disease mandated by under the Prevention and Control of Infectious Disease Act 1988 on 9<sup>th</sup> December 2010 (Surat Pekeliling Ketua Pengarah Kesihatan Malaysia Bil. 33/2010**

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

District	Blood test result				Total positive	
	Positive				2011	2010
	Culture		Serology			
	EW 42/2011	EW 42/2010	EW 42/2011	EW 42/2010		
Bau	0	0	0	0	2	0
Lundu	0	0	0	0	0	0
Kuching	0	1	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	3	1	51	162
Belaga	0	0	1	0	14	28
Tatau	0	0	0	0	4	14
Bintulu	0	0	0	0	5	49
Miri	0	0	0	1	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	4	0	96	343

Note: EW = Epid. Week

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

2011: Number of cases will depend on which Epid. Week results are received.

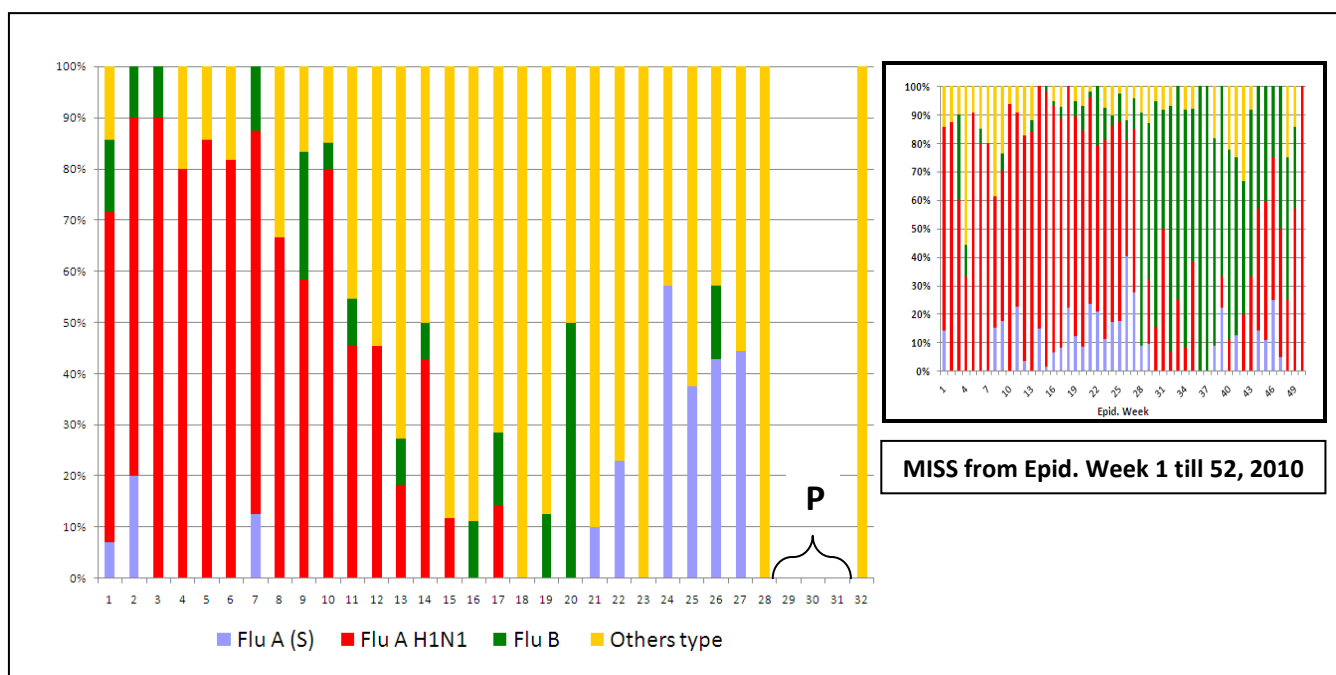
**5.4.1. Locality of melioidosis outbreak in Sarawak as at 22<sup>th</sup> October 2011.**

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.

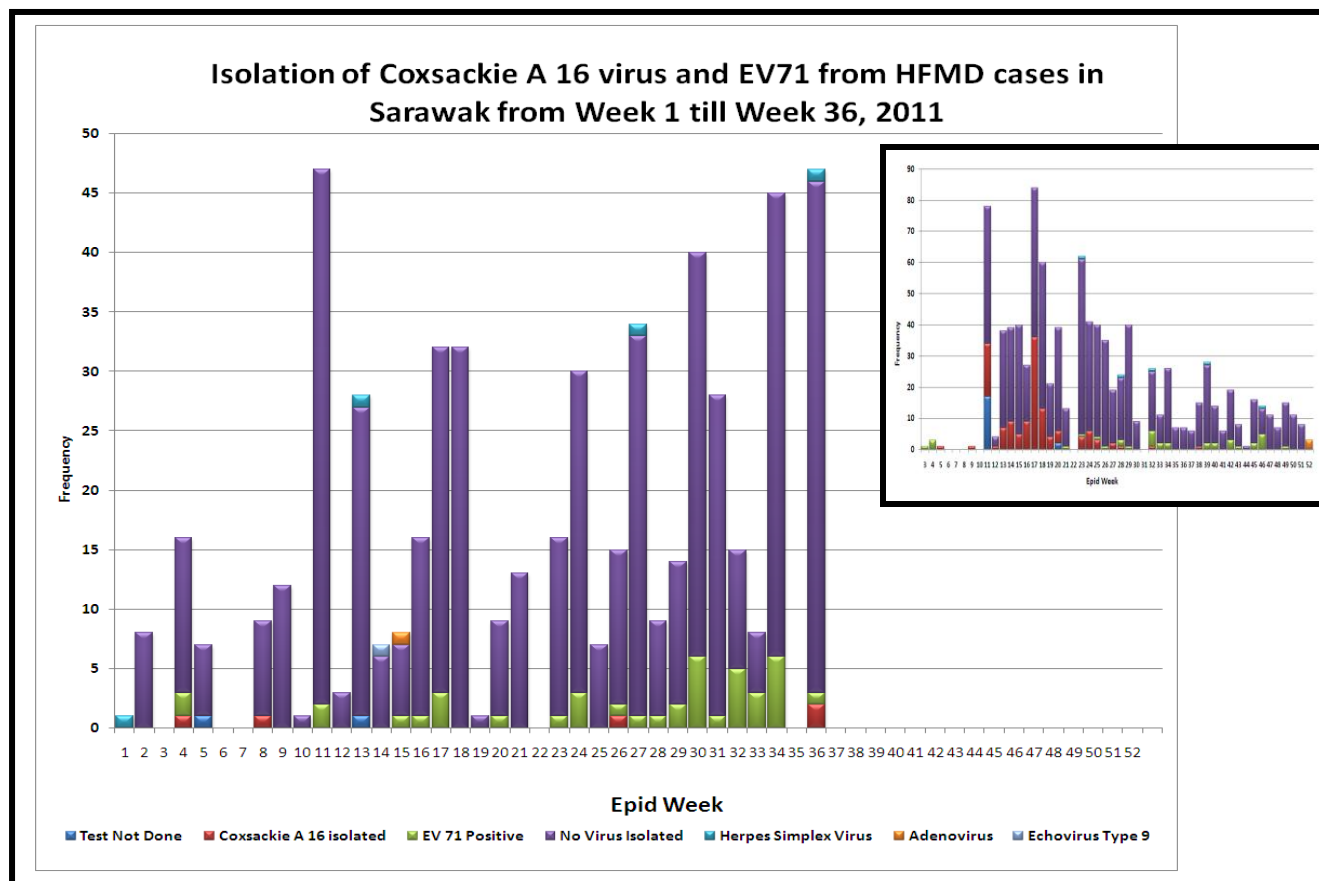
As at Epid. Week 29, 2011, a total of 1,931 specimens for viral isolation were sent to MKAK Sg. Buloh. Of these, 158 (7.8%) specimens positive for virus isolation: measles (31); rubella (115); herpes simplex virus 1 (2); and adenovirus (4).

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.

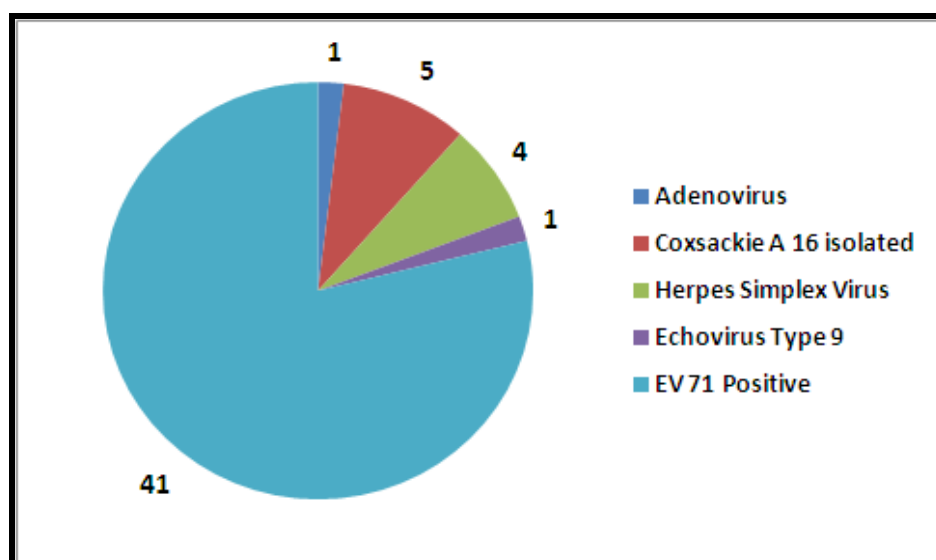


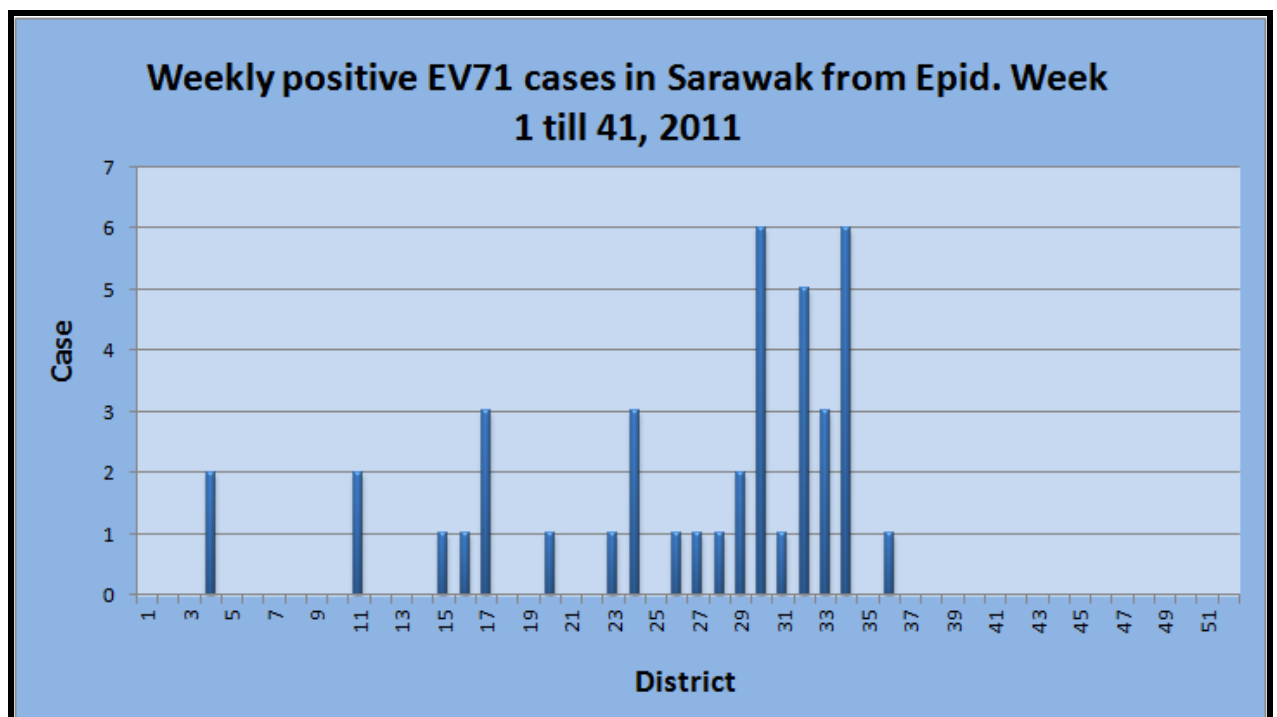
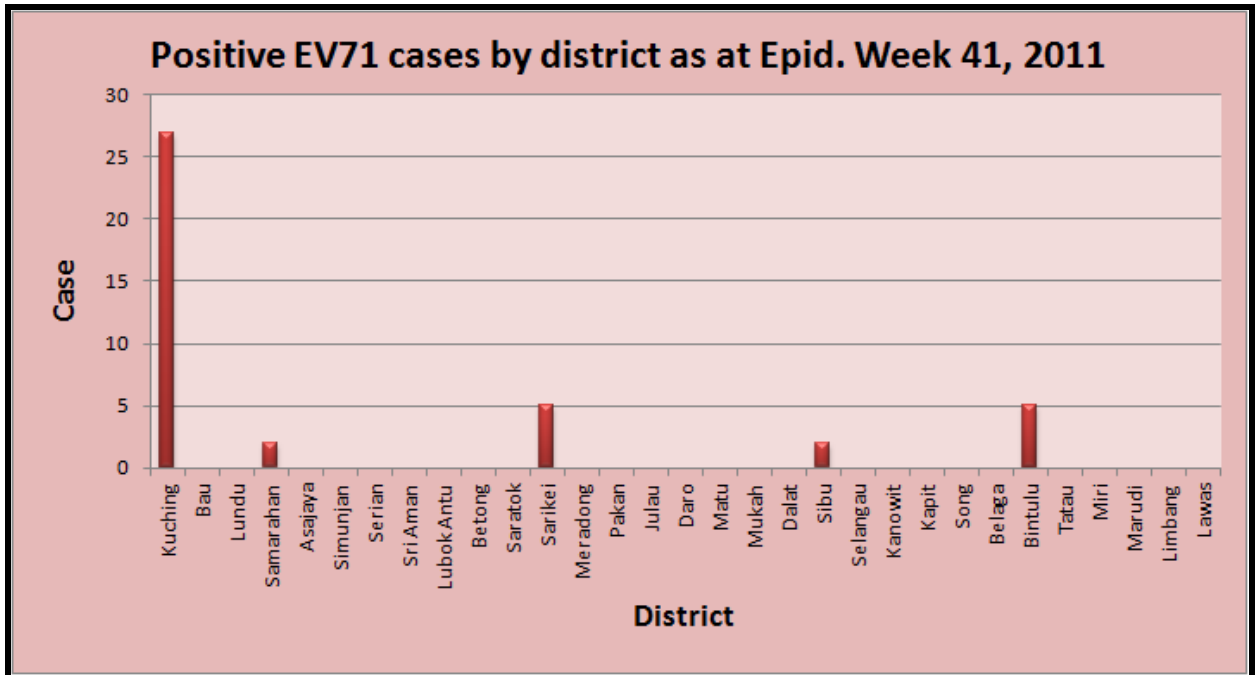
As at Epid. Week 29, 2011, only 12 specimens for measles viral isolation from Sarawak were sent to MKAK Sg. Buloh but so far none were positive.

### 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

**ADVISORS:**

Dr Zulkifli Jantan  
State Director – Sarawak Health Department

Dr Jamilah Hashim  
State Deputy Director (Public Health)

Datu Dr Andrew Kiyu  
Consultant Epidemiologist

**CHIEF EDITOR:**

Dr Razitasham Safii, CDC Section

**EDITORS & CONTRIBUTORS:**

Tn Hj Asmad Matusop, Entomology Section

Dr Sarina Shuib, VBDC Section

Dr Noorzilawati Sahak, CPRC Unit

PPKP, VBDC Section

Ms Connie Awang Ahmad

Mr Lai Kee Kai

Sr Rose Bong

Mr Abdul Kadir Mohd. Anis

Mr Davidson Clinn Tayus

Mr Dave Carister Peter George

Ms Carol Lim Wai Cheng

Mr Ahmad Zaidi bin Ujang

Ms Maliza binti Jalel

**CORRESPONDENCE:**

COMMUNICABLE DISEASE CONTROL SECTION,  
Sarawak Health Department,  
Jalan Tun Abang Haji Openg,  
93590 Kuching,  
Sarawak

Phone: 082-246350/248316/415944

Fax: 082-247254

Email: opsroom\_jkns@srwk.moh.gov.my OR  
cdcjkns@gmail.com



**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.