



# SARAWAK

## WEEKLY EPID NEWS

Sarawak Health Department

WEEK 52

25<sup>th</sup> – 31<sup>th</sup> December 2011

### INFECTIOUS DISEASE/CRISIS HIGHLIGHTS IN SARAWAK

In. Epid. Week 52, 2011, Sarawak Health Department received reports of Malaria outbreak from Sibu, HFMD family cluster from Bintulu and food poisoning involved a family from Kapit district.

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## 2. NEW OUTBREAKS/CLUSTERS

No	Disease	District	Locality	Case (No)	Outbreak declared
1	Food poisoning	Kapit	Taman Chuong Seng	3	25.12.2011
2	Malaria	Sibu	Farm house, KM 11, Jalan Pasai, Siong	3	22.12.2011
3	HFMD	Bintulu	Rh. Emperan	5	27.12.2011

There were three outbreaks were reported in Epid. Week 52, 2011 to Sarawak Health Department.

### 2.1 Preliminary report on food poisoning at Taman Chuong Seng, Kapit.

Kapit Divisional Health Office was notified about a food poisoning outbreak involved a Chinese family at Taman Chuong Seng, Kapit on 25<sup>th</sup> December 2011 @ 10.30am.

Out of four members, three of them (mother and two children) came down with food poisoning symptoms five hours after dinner. The menu were fried *shii take* mushroom (from China) with onion, bitter gourd with egg, roasted chicken, cooked white rice, and fruit (from China). They presented with vomiting (100%), giddiness (100%), chills and rigors (33%) and sweating (33%). The mother admitted in Kapit Hospital while the rest did not seek any treatment.

Investigation is still on going to determine the source of infection.

### 3. MANDATORY NOTIFIABLE DISEASES REPORTED IN EPID. WEEK 52, 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						2																					1
Kuching						2			2	3																	
Samarahan																											
Asajaya									1										3								
Simunjan						1									1												
Serian																											1
Sri Aman													1														
L/ Antu													1														
Betong									2				1														
Saratok						1																					
Sarikei																											
Meradong																											21
Pakan/Julau													2														
Daro	0/1																										
Matu																											
Dalat																											
Mukah																											
Sibu									4			3															
Kanowit												3															
Selangau																											
Song													2														
Kapit	1/0					2			3			4															1
Belaga						1							5														
Tatau																											
Bintulu											6				1												
Miri						7				1					4												
Marudi													10														
Limbang																											
Lawas									1				2														
<b>TOTAL (Week 52)</b>	<b>1/1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>16</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>12</b>	<b>9</b>	<b>0</b>	<b>35</b>	<b>0</b>	<b>6</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>24</b>
<b>Total (2011)</b>	<b>160/80</b>	<b>0</b>	<b>0</b>	<b>252</b>	<b>0</b>	<b>974</b>	<b>9</b>	<b>0</b>	<b>1326</b>	<b>445</b>	<b>3154</b>	<b>20</b>	<b>1717</b>	<b>37</b>	<b>335</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>194</b>	<b>1</b>	<b>1707</b>	<b>6</b>	<b>0</b>	<b>137</b>	<b>21</b>	<b>0</b>	<b>184</b>
<b>Total (2010)</b>	<b>141/113</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4240</b>	<b>62</b>	<b>0</b>	<b>1299</b>	<b>437</b>	<b>4987</b>	<b>22</b>	<b>2802</b>	<b>10</b>	<b>132</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>230</b>	<b>1</b>	<b>1639</b>	<b>27</b>	<b>0</b>	<b>35</b>	<b>2</b>	<b>0</b>	<b>49</b>
<b>Total (2009)</b>	<b>143/89</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>4564</b>	<b>82</b>	<b>0</b>	<b>1223</b>	<b>438</b>	<b>9655</b>	<b>15</b>	<b>2158</b>	<b>4</b>	<b>56</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>339</b>	<b>0</b>	<b>1689</b>	<b>24</b>	<b>1</b>	<b>169</b>	<b>10</b>	<b>0</b>	<b>0</b>

\* 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. Summary of total number of food-water borne diseases in Sarawak from Epid. Week 1 till Epid. Week 52, 2011

Division	Food poisoning outbreak	Dysentery		Typhoid & paratyphoid fever		Cholera	Hepatitis A	
		S	C	S	C		S	C
Kuching	13	1	0	1	2	0	0	0
Samarahan	9	2	2	0	1	0	0	0
Sri Aman	0	0	0	0	2	0	0	0
Betong	5	0	0	0	0	0	0	0
Sarikei	3	3	0	0	0	0	0	0
Sibu	5	0	0	0	0	0	0	0
Kapit	7	3	0	0	0	0	0	0
Mukah	5	0	0	0	0	0	0	0
Bintulu	2	0	0	0	1	0	0	0
Miri	2	0	0	0	0	0	0	0
Limbang	5	0	0	0	0	252	0	0
<b>Sarawak</b>	<b>56</b>	<b>9</b>	<b>2</b>	<b>1</b>	<b>6</b>	<b>252</b>	<b>0</b>	<b>0</b>

Note: S = suspected; C = confirmed

#### 3.1.3. Food Poisoning

One food poisoning outbreak involved a Chinese family with a total of 3 cases was reported in Epid. Week 52, 2011.

The cumulative total of food poisoning cases until Epid. Week 52 were 1,326 cases that consist of 56 outbreaks. Out of 56 outbreaks, 26 (46.43%) involved schools (14 primary; 12 secondary).

#### 3.1.4. Cholera

No case reported in Epid. Week 52, 2011.

The cumulative total of 252 cases was from Limbang. There were two outbreak localities at Limbang and Medamit in March 2011. DNA finger printing study showed the organisms were local origin.

### 3.1.5. Dysentery

No case reported in Epid. Week 52, 2011.

A cumulative total of nine suspected dysentery cases were reported until Epid. Week 52, 2011, but only two cases were confirmed to be *Amoebic dysentery and Shigellosis*. The others were negative for microbiology analyses.

### 3.1.6. Typhoid and paratyphoid fever

No case of typhoid and paratyphoid fever were reported in Epid. Week 52, 2011.

The cumulative total confirmed cases in year 2011 were six (three typhoid cases and three paratyphoid cases) which were confirmed by stool C&S (2) and blood C&S (4).

## 3.2. Surveillance report on vaccine preventable diseases

### 3.2.1. Summary of total number of Vaccine Preventable Diseases by division from Epid. Week 1 till Epid. Week 52, 2011

Division	Diphtheria		Measles				Rubella	Polio		Tetanus		Pertussis		Hepatis B		Hepatis c	
	S	C	Suspected (registered case in SM2)	Confirmed			Lab. Confirmed	S	C	S	C	S	C	Acute	Chronic	Acute	Chronic
				Lab. Confirmed	Clinically Confirmed	Epid. Link											
KUCHING	0	0	78	6	1	0	7	0	0	0	1	29	5 (2 PCR, 3 Culture)	0	32 (Kch 26, Bau 3, Lundu 3)	2	21 (Kch-20, Bau - 1)
SAMARAHAN	0	0	22	4	1	0	1	0	0	0	0	1	1 (PCR)	5	1	1 (Asajaya)	0
SRI AMAN	0	0	8	3	0	0	0	0	0	0	0	0	0	2	0	0	0
BETONG	0	0	3	0	0	0	1	0	0	0	0	0	0	0	2	1	0
SARIKEI	0	0	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SIBU	0	0	2	0	0	0	0	0	0	0	0	1	1 (PCR)	1	0	0	0
KAPIT	0	0	19	8	0	7	0	0	0	0	0	0	0	0	0	0	0
MUKAH	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
BINTULU	0	0	9	2	0	0	2	0	0	0	0	0	0	3	0	0	0
MIRI	0	0	150	6	3	0	21	0	0	0	0	6	1 (Culture)	11	11	14 (Miri -13, Tatau - 1)	29
LIMBANG	0	0	37	6	1	1	5	0	0	0	0	0	0	1	0	0	0
SARAWAK	0	0	335	35	6	8	38	0	0	0	0	37	7	23	46	18	50

Note: S = suspected; C = confirmed



### 3.2.2. Notified Vaccine Preventable diseases cases in Epid. Week 52, 2011

Disease	District	Case (No.)	Locality	Age	Race	Gender	Case Summary
Measles	Simunjan	1	Kg Temiang	5 m.o	Iban	Female	Diagnosed on 28/12/11. Presented with fever, rashes, cough, and coryza.
	Bintulu	1	Tmn Kemena Sutura	5 y.o	Chinese	Male	Diagnosed on 26/12/11, and notified on 27/12/11. Presented with fever and rashes. Contacts: no symptoms. History of measles vaccination at 1 year old. Blood, throat, and urine specimens were taken.
	Miri	4	Tmn Tunku, Lorong 11	33 y.o	Iban	Male	Diagnosed on 29/12/11 by KK Miri. Presented with fever and cough only. Contacts: no symptoms. No history of travelling outside the country. History of MMR vaccination: unknown. Blood specimen taken.
			Tmn Tunku, Lorong 4	1 y.o	Iban	Male	Diagnosed and notified by KK Miri. Presented with fever, rashes, cough, and coryza. History of MMR vaccination at 1 year old. No contact with known measles case. Blood specimen was taken.
			Tudan Flat, Permyjaya	5 y.o	Iban	Male	Presented with fever and cough only. No contact with known measles case. History of MMR vaccination at 1 year old. Blood specimen was taken.
			Kg Wireless	17 y.o	Malay	Male	Notified by KK Miri. Presented with fever, rashes, cough, coryza, and conjunctivities. Contacts: no symptoms. History of MMR vaccination on 19/9/1995. Blood specimen was taken.

Note: y.o = year(s) old  
m.o = month(s) old

### 3.2.3. Measles (data derived from SM2)

The cumulative total of suspected measles cases was 335. Of these, 35 cases were confirmed by laboratory and eight epidemiologically linked cases. Six cases were clinically confirmed. A total of 242 suspected cases (including two vaccine associated cases) were discarded.

### 3.2.3.1 Achievement of Measles Elimination Program by division from Epid. Week 1 till Epid. Week 52, 2011

Division	Population ('000)	Suspected case rate ( $\geq 2/100,000$ )	Total Suspected cases	% of suspected cases notified $\leq 24$ H of diagnosis *		% of suspected cases with complete investigation *		% of suspected cases investigated $\leq 48$ H of notification *		% of suspected cases with specimen taken*	
				%	No.	%	No.	%	No.	%	No.
Kuching	720.4	10.8	78	80.8	63	97.4	76	85.9	67	96.2	75
Samaraha	236.0	9.3	22	77.3	17	86.4	19	27.3	6	86.4	19
Sri Aman	99.1	8.1	8	100.0	8	100.0	8	75.0	6	100.0	8
Betong	124.0	2.4	3	100.0	3	33.3	1	0.0	0	66.7	2
Sarikei	145.2	4.8	7	85.7	6	85.7	6	42.9	3	71.4	5
Mukah	120.8	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
Sibu	301.4	0.7	2	100.0	2	100.0	2	50.0	1	100.0	2
Kapit	121.7	15.6	19	94.7	18	100.0	19	31.6	6	73.7	14
Bintulu	226.2	4.0	9	88.9	8	100.0	9	77.8	7	100.0	9
Miri	372.1	40.3	150	90.0	135	97.3	146	68.0	102	96.7	145
Limbang	90.1	41.1	37	94.6	35	100.0	37	59.5	22	97.3	36
Sarawak	2557.0	13.1	335	88.1	295	96.4	323	65.7	220	94.0	315

Note: \* Target =  $\geq 80\%$

Highlighted in red = target not achieved

### 3.2.3.2 Clinically confirmed measles from Epid. Week 1 until Epid. Week 52, 2011

No.	Division	Address	Age	Gender	Race	MMR vaccination Status	Sporadic / cluster
1	Miri	Lot 214, Kampung Pemandahan, Marudi	20 y.o	Male	Malay	Not Sure	Sporadic
2	Limbang	Tedung, Limbang	8 m.o	Female	Orang Ulu	Not Eligible	Sporadic
3	Samarahan	Kampung Kakai, Serian	24 y.o	Male	Malay	Not Sure	Sporadic
4	Kuching	Marine Base Bintawa, Kuching	3 m.o	Female	Bajau	Not Eligible	Sporadic
5	Miri	Hollystone Quarry, Miri	34 y.o	Male	Iban	Not Given	Sporadic
6	Sarikei	Jln Century, Sarikei	7 m.o	Female	Iban	Not Eligible	Sporadic

Note: Clinically confirmed case is defined as a case with interval of fever and rash onset of 3 days or more; and with one of the 'C' i.e. cough, coryza or conjunctivitis

y.o = year(s) old

m.o = month(s) old

### 3.2.3.3 Epid. link measles cases from Epid. Week 1 until Epid. Week 52, 2011

No.	Division	Address	Age	Gender	Race	Nationality	MMR vaccination status	Remark
1	Limbang	Ladang sawit Krisjati, Merapok, Lawas	5 m.o	Male	Indonesian	Indonesia	Not given	Epid. Linked to lab. confirmed measles from Cluster 1
2			1 y.o	Male				
3			1 y.o	Male				
4			4 y.o	Male				
5			7 y.o	Male				
6	Kapit	Taman Chelsea Height, Jalan Selirik, Kapit	5 y.o	Female	Iban	Malaysia	1st dose	Epid. Linked to lab. confirmed measles from Cluster 2
7			19 y.o	Female	Iban	Malaysia	Not sure	
8			4 y.o	Female	Iban	Malaysia	Not given	
9			6 y.o	Female	Iban	Malaysia	1st dose	
10		SK Nanga Balang, Kapit	1 y.o	Female	Malay	Malaysia	Not yet given	Epid. Linked to lab. confirmed measles from Cluster 3
11			30 y.o	Male	Malay	Malaysia	Not given	
12		Rh.Endah,Ng.Sepayang Tekalit, Song	21 y.o	Female	Iban	Malaysia	Not sure	Epid. Linked to lab. confirmed measles from Cluster 4

Note: y.o = year(s) old  
m.o = month(s) old



### 3.2.3.3 Summary of lab. confirmed measles cases from Epid. Week 1 until Epid. Week 52, 2011

No.	Division	Address	Age	Gender	Race	MMR vaccination status	Remark
1	Samarahan	Kg Mentu Tapu, Serian	3 m.o	Female	Bidayuh	Not Eligible	Sporadic
2		Kem Penrissen Batu 8 Jln Kuching-Serian, Samarahan	11 mth	Female	Malay	Not Eligible	
3	Kuching	Lorong 3, Kitang Height, Jln Kuching Bau, Kuching	1 y.o	Male	Pakistani	1st dose	
4		Haatana Apartment Demak Laut, Jln Bako, Kuching	5 m.o	Female	Malay	Not Eligible	
5	Miri	SPAD Ladang 2, Sg.Tanglit, Bekenu, Miri	7 m.o	Male	Melanau	Not Eligible	
6		Blok 3, MCLD Piasau, Miri	39 y.o	Male	Chinese	Unknown	
7	Bintulu	Kuarters Pekerja Hup Sen Fertilizer, Kidurong, Bintulu	9 m.o	Male	Iban	Not Eligible	
8	Kuching	Lorong 16, Blok C Kg Haji Baki, Kuching	1 y.o	Female	Malay	1st dose	Vaccine related - rashes one week after vaccination
9	Miri	RPR Jaya Taman Permai, Miri	4 m.o	Female	Iban	Not Eligible	Sporadic
10	Kuching	Jln Patinggi Ali Barat, Kng No.4, Jln Abell, Kuching	27 y.o	Female	Indonesian	Unknown	Imported from Indonesia
11		Lorong B3, Kampung Tunku, Kuching	8 m.o	Female	Melayu	Not Eligible	Sporadic
12	Samarahan	Kem Penrissen Batu Lapan, Jln Kuching-Serian	5y.o	Male	Iban	Unknown	
13	Miri	Shoplot CM2, Jln Kwan Tung Miri	1 y.o	Female	Iban	None	
14	Limbang	Ladang Sawit Merapok, Lawas	2 y.o	Male	Indonesian	None	Cluster 1
15			23 y.o	Female	Indonesian		
16			4 y.o	Male	Indonesian		
17			2 y.o	Male	Indonesian		
18			10 m.o	Male	Indonesian		
19	Samarahan	Kg Kuap Melayu, Samarahan	28 y.o	Male	Malay	Unknown	Sporadic
20	Kuching	Lorong Sg Maong 5, Green Road, Kuching	1 y.o	Male	Chinese	None	
21	Kapit	Rh.Ajal, Sg Kapit, Kapit	30 y.o	Male	Iban	None	Case was not notified. Blood specimen was taken in Sibu Hospital
22		Taman Ixora Jln Selirik, Kapit	26 y.o	Female	Iban	Unknown	Cluster 2
23		Taman Ixora Jalan Selirik, Kapit	11 m.o	Female	Iban	Not eligible	
24		Jln Airport Kapit	6 y.o	Male	Iban	None	
25		SK Nanga Balang, Gaat, Kapit	29 y.o	Female	Malay	Unknown	Cluster 3
26		Rh John Sg Sesibau, Kapit	9 m.o	Male	Iban	Not Eligible	Sporadic
27		Rh Endah, Ng Sepayang Tekalit, Song	28 days	Male	Iban	Not Eligible	Cluster 4
28	Sri Aman	Kem Balak Aping, Sri Aman	4 y.o	Female	Malay	None	Imported from Kuching
29	Bintulu	Lot 110, Sample Park, Bintulu (History of travelling to Masling Drive, Singapore)	1 y.o	Female	Chinese	None	Imported from Singapore
30	Sri Aman	Kem Balak Aping, Sri Aman	2 y.o	Female	Malay	None	Imported from Kuching
31	Miri	Desa Murni, Permyjaya, Miri	11 m.o	Male	Iban	Not Eligible	Sporadic
32		S.O.P. Batu 14, Lambir-Bintulu, Miri	3 y.o	Male	Indonesian	None	
33	Limbang	Lawas	3 y.o	Female	No information		Case was not notified. Blood specimen was taken in Lawas Hospital
34	Sri Aman	Taman Sri Jaya, Sri Aman	1 y.o	Male	Bajau	1st dose	Vaccine related - rashes two weeks after vaccination
35	Kapit	Rh. Gawan, Lepong Balleh, Kapit	10 m.o	Boy	Iban	Not Eligible	Sporadic

### 3.2.4. Pertussis

No case of suspected pertussis was reported in Epid. Week 52, 2011.

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 four cases confirmed by PCR.

#### 3.2.4.1. Summary of lab. confirmed pertussis cases from Epid. Week 1 until Epid. Week 52, 2011

No.	Division	Address	Age	Gender	Race	Lab. test	DTaP vaccination status	Remark
1	Kuching	Jln Malindor, Bintawa, Kuching	5 m.o	Male	Malay	Blood C & S	3rd dose on 23/2/2011	Received 3rd dose after diagnosis
2		Kg Segubang, Batu Kawa, Kuching	1 m.o	Male	Bidayuh		Not Eligible	-
3	Miri	Sanchiew Plantation Niah, Miri	2 m.o	Male	Malay			
4	Kuching	Kg Kudei, Jln Rubber, Kuching	1 m.o	Male	Malay			
5	Sibu	Kuarters Kelab Golf Sibu, Blok 2, Batu 101/2, Jln Oya, Sibu	5 m.o	Male	Malay	PCR	2nd dose on 14/6/2011	-
6	Samarahan	Phase 20, Taman Desa Ilmu, Kota Samarahan	2 m.o	Male	Malay		1st dose on 13/7/2011	-
7	Kuching	Kg Sibobok, Bau	21 days	Female	Bidayuh		Not Eligible	-
8		Jln Sg Apong, Kuching	3 m.o	Female	Malay		1st dose on 12/9/2011	Onset 21 days after 1st dose

### 3.2.5. Tetanus

No case reported in Epid. Week 52, 2011.

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

### 3.2.6. Viral Hepatitis

No case of Hepatitis B or Hepatitis C was reported in Epid. Week 52, 2011.

The cumulative total of viral hepatitis cases were 137. Of these, 69 cases were Hepatitis B where 23 were acute and 46 were chronic. Another 68 cases were Hepatitis C where 18 cases were acute and 50 were chronic.

### 3.2.7 Achievement of Acute Flaccid Paralysis (AFP) Surveillance Program in Sarawak from Epid. Week 1 till Epid. Week 52, 2011

No.	Hospital	Age	Gender	Ethnic	*Adequate stool	Follow-up examination for residual paralysis at 60 days after paralysis onset	Case classification	Epid. Week
1	SGH	2 y.o	Female	Malay	No	Yes	-	5
2	Sibu	10 y.o	Male	Iban	No	No	-	5
3	Sibu	11 y.o	Female	Iban	No	No	-	8
5	SGH	12 y.o	Male	Malay	No	Referred to Selayang Hospital	Discard 2	9
4	Miri	28 days	Male	Iban	Yes	No (patient died on 21/4/2011)	For ERM	15
6	SGH	3 y.o	Male	Bidayuh	No	No	Discard 2	21
7	SGH	11 y.o	Female	Bidayuh	No	No	Discard 2	24
8	Pantai Premier Medical Centre, Ampang	6 y.o	Male	Indian	Yes	No	Discard 1	31
9	Kuching Specialist Hospital	2 y.o	Male	Kayan	No	Yes	Discard 2	3
10	Miri	3 y.o	Female	Indonesian	Yes	Yes	Discard 1	44

Note: \* Adequate stool = two stool specimens collected at least 24 hours apart within 14 days paralysis onset

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

#### 3.3.1. HIV/AIDS

One HIV case from Kapit district and one AIDS case from Daro district were reported in Epid. Week 52, 2011.

As on 31th December 2011, the cumulative total HIV cases were 160 and all were adults. The cumulative total AIDS cases were 80.

#### 3.3.2. Gonorrhoea

Twelve cases of gonorrhoea were reported in Epid. Week 52, 2012 from Lundu (1), Kuching (2), Asajaya (1), Betong (2), Sibu (4), Miri (1) and Lawas (1) district.

Out of the cumulative total of 445 cases reported in 2011, 443 were adults and only two cases confirmed as gonococcal neonatorum.

### **3.3.3. Syphilis**

Three syphilis cases were reported in Epid. Week 52, 2011 from Asajaya district.

The cumulative total of syphilis cases as on 31th December 2011 were 194.

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

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

As on 17<sup>th</sup> December 2011 a cumulative total of 1,707 cases were reported. Out of 1,707 cases reported in 2011, about 5.0% are foreigners. Ten cases were among healthcare workers.

In 2010, the total number of cases was 1,987.

### **3.4.2. Leprosy**

As of 31<sup>st</sup> October 2011, a cumulative total of 25 leprosy cases reported. One case is a foreigner and 24 are locals. All cases were detected through active case detection (ACD).

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

### **3.5.1. Viral Encephalitis**

No viral encephalitis was reported in Epid. Week 52, 2011.

The cumulative total of viral encephalitis is 21. Of these, nine cases were confirmed *Japanese encephalitis*.

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

### **3.6.1. Filariasis**

No case of filariasis was reported in Epid. Week 52, 2011.

The cumulative total cases of filariasis up to Epid. Week 52 were ten.

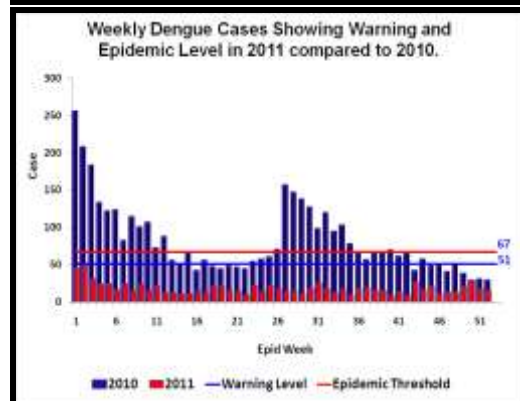
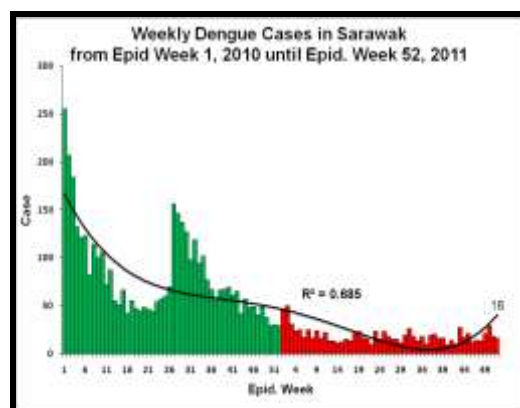
**Note: Vector borne diseases and emerging and re-emerging infectious diseases will be discussed in their respective chapter.**

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

##### 4.1. Notified Dengue cases for Epid. Week 52, 2011 compared to Epid. Week 52, 2010 and cumulative cases till Epid. Week 52 in 2010.

District	2011		2010		Total
	EW 52	Cum.	EW 52	Cum.	
Lundu	0	10	0	69	69
Bau	2	36	1	123	123
Kuching	2	106	1	473	473
Samarahan	0	21	2	97	97
Asajaya	0	4	0	10	10
Serian	0	18	2	140	140
Simunjan	1	19	0	47	47
Sri Aman	0	56	2	96	96
Lubok Antu	0	23	2	53	53
Betong	0	13	3	30	30
Saratok	1	11	0	20	20
Sarikei	0	28	0	91	91
Meradong	0	14	0	53	53
Pakan	0	23	0	30	30
Julau	0	17	1	20	20
Daro	0	6	0	95	95
Matu	0	1	0	25	25
Dalat	0	3	0	14	14
Mukah	0	5	0	39	39
Sibu	0	75	9	1021	1021
Kanowit	0	31	0	64	64
Selangau	0	10	0	32	32
Song	0	10	0	16	16
Kapit	2	32	0	158	158
Belaga	1	27	0	39	39
Tatau	0	47	1	40	40
Bintulu	0	100	0	237	237
Miri	7	134	3	816	816
Marudi	0	59	0	126	126
Limbang	0	20	0	131	131
Lawas	0	15	2	35	35
<b>Sarawak</b>	<b>16</b>	<b>974</b>	<b>29</b>	<b>4240</b>	<b>4240</b>

EW = Epid. Week



A total of 16 dengue cases were reported in Epid. Week 52, 2011 compared to 29 cases during the same period in 2010.

**One outbreak locality is still active in Sri Aman.**

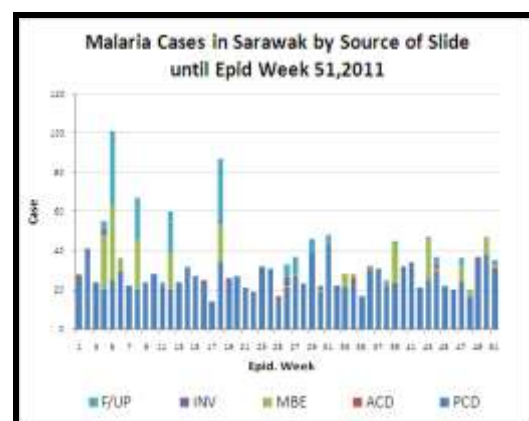
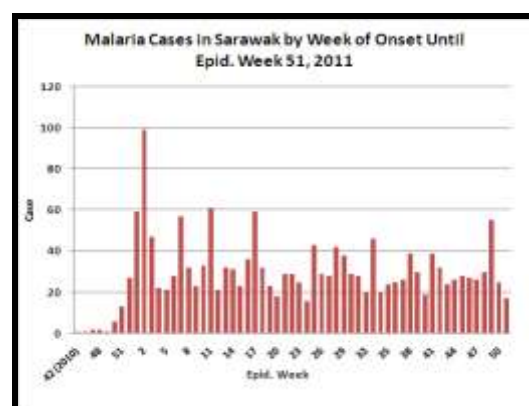
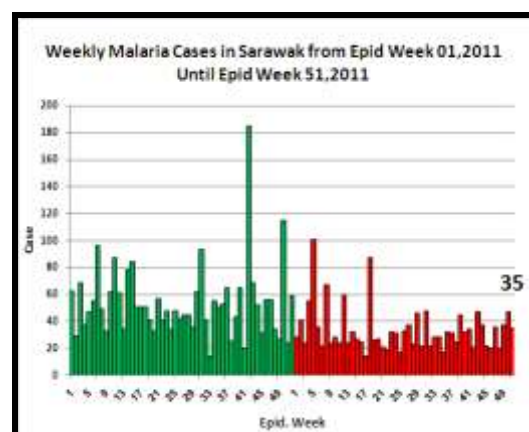
The top five districts with the highest number of reported cases were:

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



**4.2. Notified Malaria cases for Epid. Week 51, 2011 compared to Epid. Week 51, 2010 and cumulative cases till Epid. Week 51 in 2011.**

District	2011		2010		Total
	EW 51	Cum.	EW 51	Cum.	
Lundu	1	32	0	71	72
Bau	0	5	0	9	9
Kuching	0	23	1	27	27
Samarahan	0	3	0	1	2
Asajaya	0	1	0	0	0
Serian	0	21	0	58	58
Simunjan	0	2	0	17	17
Sri Aman	1	17	0	23	25
Lubok Antu	1	25	0	16	16
Betong	1	44	3	14	15
Saratok	0	3	0	4	4
Sarikei	0	16	0	8	8
Meradong	0	9	0	3	3
Pakan	1	29	0	14	14
Julau	1	66	5	34	34
Daro	0	2	1	1	1
Matu	0	2	0	1	1
Dalat	0	9	1	14	14
Mukah	0	2	0	6	6
Sibu	3	48	0	41	43
Kanowit	3	88	0	63	65
Selangau	0	16	0	9	9
Song	2	77	1	46	46
Kapit	4	218	2	134	134
Belaga	5	138	1	288	300
Tatau	0	29	0	12	12
Bintulu	0	39	2	36	39
Miri	0	39	2	31	32
Marudi	10	662	4	1700	1734
Limbang	0	21	1	29	29
Lawas	2	31	0	33	33
<b>Sarawak</b>	<b>35</b>	<b>1717</b>	<b>24</b>	<b>2743</b>	<b>2802</b>



A total of 35 cases were reported in Epid. Week 51, 2011. The cumulative cases till Epid. Week 51 were 1717 cases. Of the 1717 cases, 662 cases (38.5%) from Marudi District, 218 cases (12.7%) from Kapit District and 138 cases (8%) from Belaga District.

Notes: 1) EW = Epid. Week; **2) All Malaria cases should 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 51	Epid. Week 1 – Epid. Week 51
Passive Case Detection (PCD)	30	1297
Active Case Detection (ACD)	1	17
Investigation slides ( INV)	0	17
Mass Blood Survey (MBS)	2	222
Follow-up	2	164
<b>Total</b>	<b>35</b>	<b>1717</b>

#### 4.2.2. Case by species

Species	Epid. Week 51	Epid. Week 1 – Epid. Week 51
<i>Plasmodium vivax</i>	14	935
<i>Plasmodium falciparum</i>	1	91
<i>Plasmodium malariae</i>	6	311
<i>Plasmodium knowlesi</i>	14	374
<i>Plasmodium ovale</i>	0	1
Mixed infection	0	5
<b>Total</b>	<b>35</b>	<b>1717</b>

#### 4.2.3. Case classification

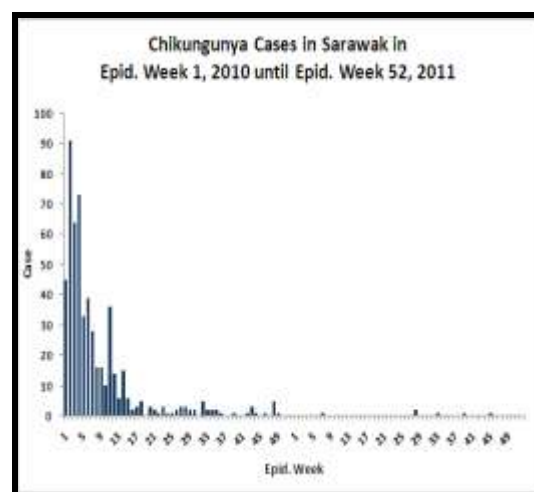
Classification	Epid. Week 51	Epid. Week 1 – Epid. Week 51
Indigenous	33	1487
*Imported A	2	228
Relapsed	0	1
Congenital	0	1
<b>Total</b>	<b>35</b>	<b>1717</b>

#### 4.2.4. The summary of the \*Imported A cases

No.	District reported	Source of infection	Nationality	Age	Gender	Address in Sarawak	Species
1	Sibu	KKB Cakra Alam, Papua New Guinea	Malaysia	35	Male	8C, Jalan Permai Timur 19, Igan, Sibu	<i>P. vivax</i>
2		KKB Panimo Jaya, Papua New Guinea	Malaysia	41	Male	No. 6B, Lorong 9, Jalan Au Yong, Sibu	<i>P. vivax</i>

**4.3. Notified Chikungunya cases for Epid. Week 52, 2011 compared to Epid. Week 52, 2010 and cumulative cases till Epid. Week 52 in 2010.**

District	2011		2010		
	EW 52	Cum.	EW 52	Cum.	Total
Lundu	0	0	0	1	1
Bau	0	0	0	13	13
Kuching	0	1	0	72	72
Samarahan	0	0	0	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	13	13
Saratok	0	0	0	8	8
Sarikei	0	0	0	7	7
Meradong	0	0	0	25	25
Pakan	0	0	0	10	10
Julau	0	0	0	22	22
Daro	0	1	0	21	21
Matu	0	0	0	0	0
Dalat	0	0	0	9	9
Mukah	0	0	0	12	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	67	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>6</b>	<b>0</b>	<b>550</b>	<b>550</b>



No case of chikungunya was reported in Epid. Week 52, 2011. The cumulative total of Chikungunya case in 2011 is remained as six.

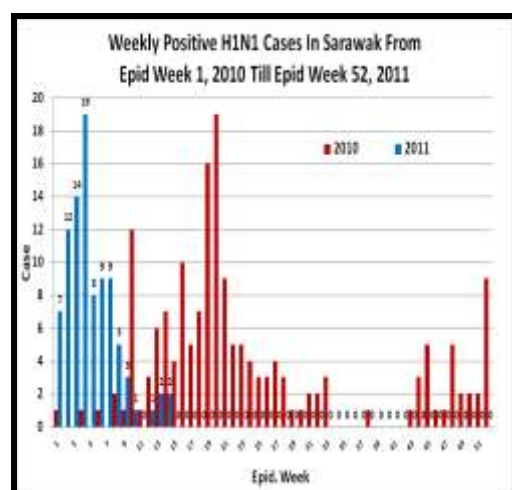
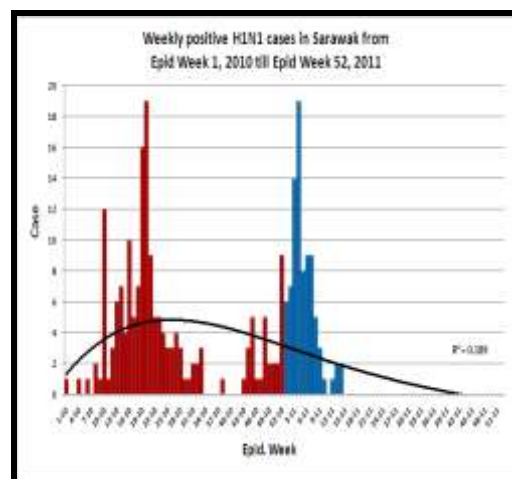
EW = Epid Week

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

### 5.1. H1N1

5.1.1 Positive Pandemic Influenza A (H1N1) cases for Epid. Week 52, 2011 compared to Epid. Week 52, 2010 and cumulative cases till Epid. Week 52 in 2011.

District	2011		2010		Total
	EW 52	Cum.	EW 52	Cum.	
Lundu	0	1	0	9	9
Bau	0	0	0	1	1
Kuching	0	51	4	61	61
Samarahan	0	0	0	8	8
Simunjan	0	0	1	4	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	2	19	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>7</b>	<b>161</b>	<b>161</b>

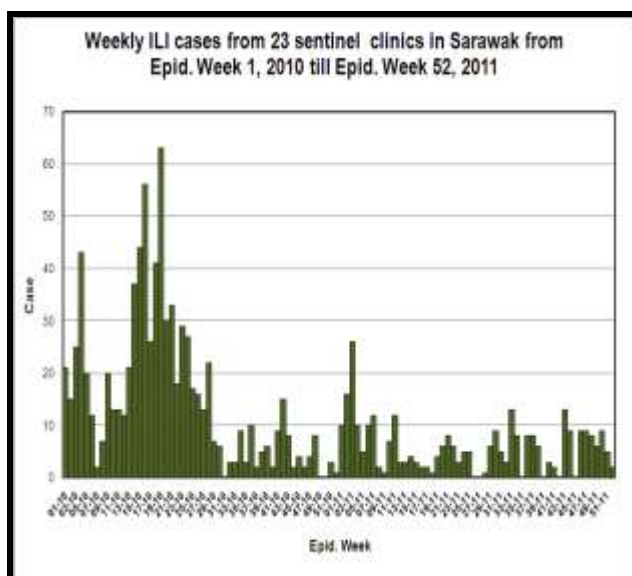


No H1N1 positive case was reported in Epid. Week 52, 2011. The cumulative total cases in 2011 were 92 cases.

EW = Epid. Week

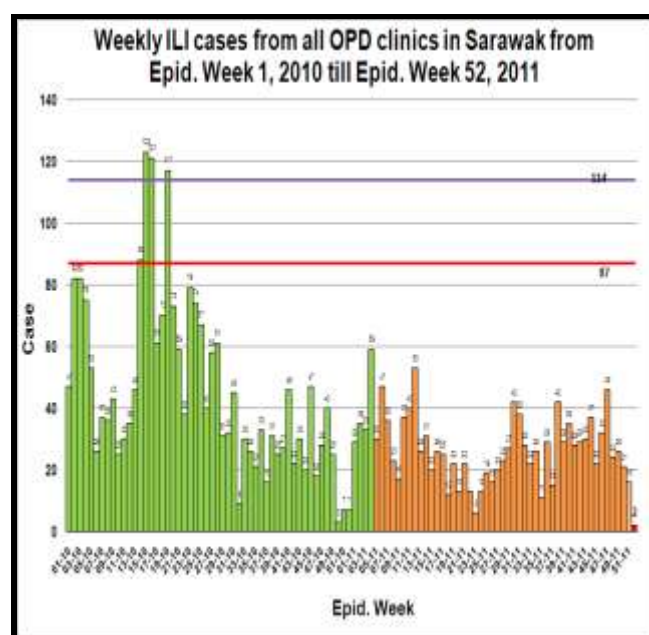
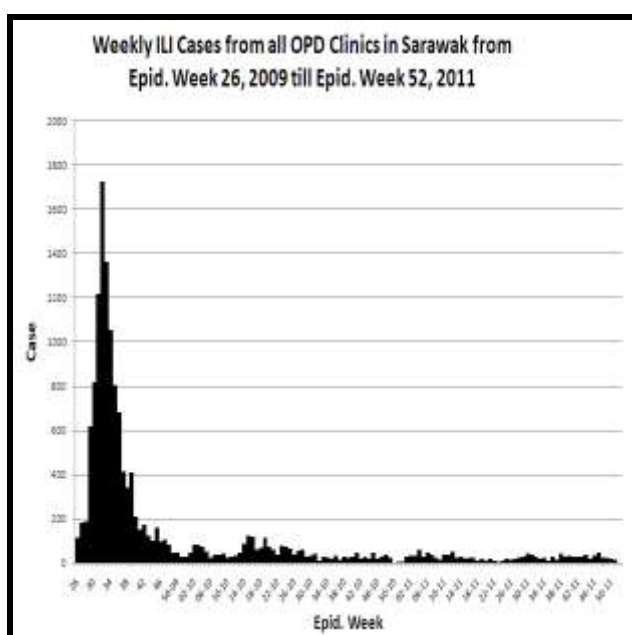


### 5.1.2 Outpatient Influenza-Like Illness (ILI) Surveillance from Epid. Week 1 in 2010 till Epid. Week 52 in 2011.



In Epid. Week 52, 2011, two (2) 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/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**.

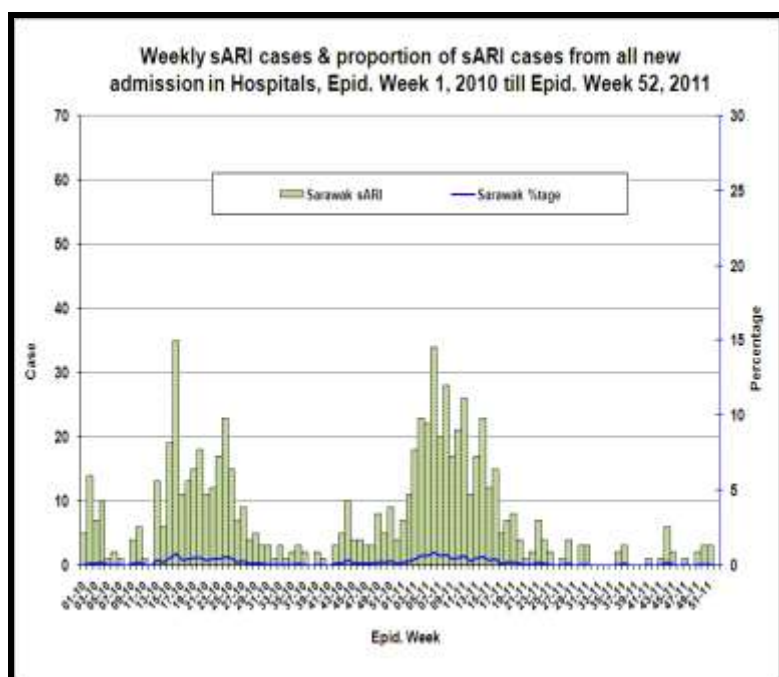
### 5.1.3. New and Cumulative ILI Clusters as of 31<sup>st</sup> December 2011.

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	1	1
Sibu	0	0	0	0
Kapit	0	0	0	0
Bintulu	0	0	2	2
Miri	0	1	0	1
Limbang	0	**1	0	1
<b>TOTAL</b>	<b>0</b>	<b>15</b>	<b>6</b>	<b>21</b>

Note: First cluster in 2011 was detected on 31/12/2010 and the latest was on 03/11/2011.

**\*\* positive Influenza A (seasonal)**

### 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 31<sup>st</sup> December 2011.**

Division	Hospital	New EW 52	Cumulative 2011	No. of Inpatient			No. of Patient on Ventilator	Throat swabs		
				ICU	ISO	Other wards		Positive	Pending	Negative
Kuching	SGH Kuching	0	172	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	10	0	0	0	0	0	0	0
Sibu	Sibu	0	2	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	253	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>0</b>	<b>479</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

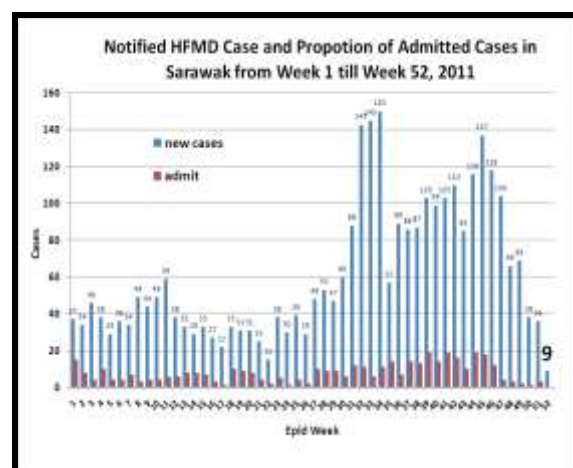
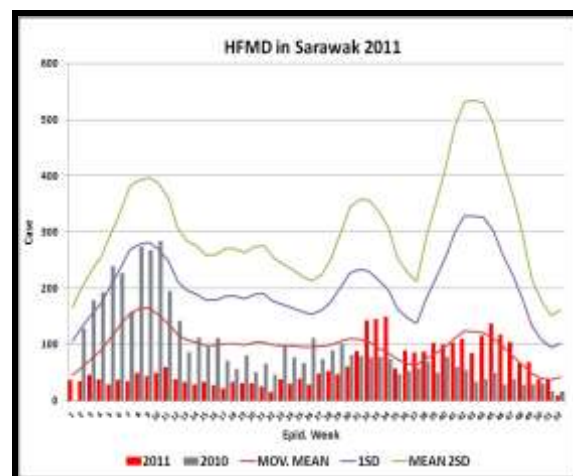
EW = Epid. Week

No sARI case was reported in Epid. Week 52, 2011.

**5.2. Notified HFMD (masterlist) cases for Epid. Week 52, 2011 compared to Epid. Week 52, 2010 and cumulative cases till Epid. Week 52 in 2011.**

District	2011		2010		Total 2010
	EW 52	Cum.	EW 52	Cum.	
Kuching	3	602	2	961	961
Bau	0	149	0	209	209
Lundu	0	31	1	86	86
<b>KUCHING</b>	<b>3</b>	<b>782</b>	<b>3</b>	<b>1256</b>	<b>1256</b>
Samarahan	0	127	0	127	127
Asajaya	0	35	0	7	7
Simunjan	0	19	1	37	37
Serian	0	39	0	25	25
<b>SAMARAHAN</b>	<b>0</b>	<b>220</b>	<b>1</b>	<b>196</b>	<b>196</b>
Sri Aman	0	97	0	145	145
Lubok Antu	0	18	0	23	23
<b>SRI AMAN</b>	<b>0</b>	<b>115</b>	<b>0</b>	<b>168</b>	<b>168</b>
Betong	0	57	2	103	103
Saratok	0	36	0	38	38
<b>BETONG</b>	<b>0</b>	<b>93</b>	<b>2</b>	<b>141</b>	<b>141</b>
Sarikei	0	187	0	206	206
Meradong	0	73	1	55	55
Pakan	0	7	0	37	37
Julau	0	32	0	24	24
<b>SARIKEI</b>	<b>0</b>	<b>299</b>	<b>1</b>	<b>322</b>	<b>322</b>
Daro	0	7	0	24	24
Matu	0	4	0	20	20
Mukah	0	84	0	259	259
Dalat	0	42	0	108	108
<b>MUKAH</b>	<b>0</b>	<b>137</b>	<b>0</b>	<b>411</b>	<b>411</b>
Sibu	0	149	0	517	517
Selangau	0	6	1	17	17
Kanowit	0	22	0	44	44
<b>SIBU</b>	<b>0</b>	<b>177</b>	<b>1</b>	<b>578</b>	<b>578</b>
Kapit	0	64	0	116	116
Song	0	12	0	29	29
Belaga	0	55	0	10	10
<b>KAPIT</b>	<b>0</b>	<b>131</b>	<b>0</b>	<b>155</b>	<b>155</b>
Bintulu	6	747	7	629	629
Tatau	0	25	0	28	28
<b>BINTULU</b>	<b>6</b>	<b>772</b>	<b>7</b>	<b>657</b>	<b>657</b>
Miri	0	310	2	911	911
Marudi	0	49	1	105	105
<b>MIRI</b>	<b>0</b>	<b>359</b>	<b>3</b>	<b>1016</b>	<b>1016</b>
Limbang	0	65	0	54	54
Lawas	0	4	0	56	56
<b>LIMBANG</b>	<b>0</b>	<b>69</b>	<b>0</b>	<b>110</b>	<b>110</b>
<b>SARAWAK</b>	<b>9</b>	<b>3154</b>	<b>18</b>	<b>5010</b>	<b>5010</b>

EW = Epid. Week



A total of 9 cases were reported in Epid. Week 52, 2011.

A cumulative total of 3,154 cases reported compared to 5,010 cases during the same period in 2010.

**5.2.1 Comparison of total number of notified HFMD cases and registered HFMD cases in e-Notifikasi system by district as on 31<sup>st</sup> December 2011**

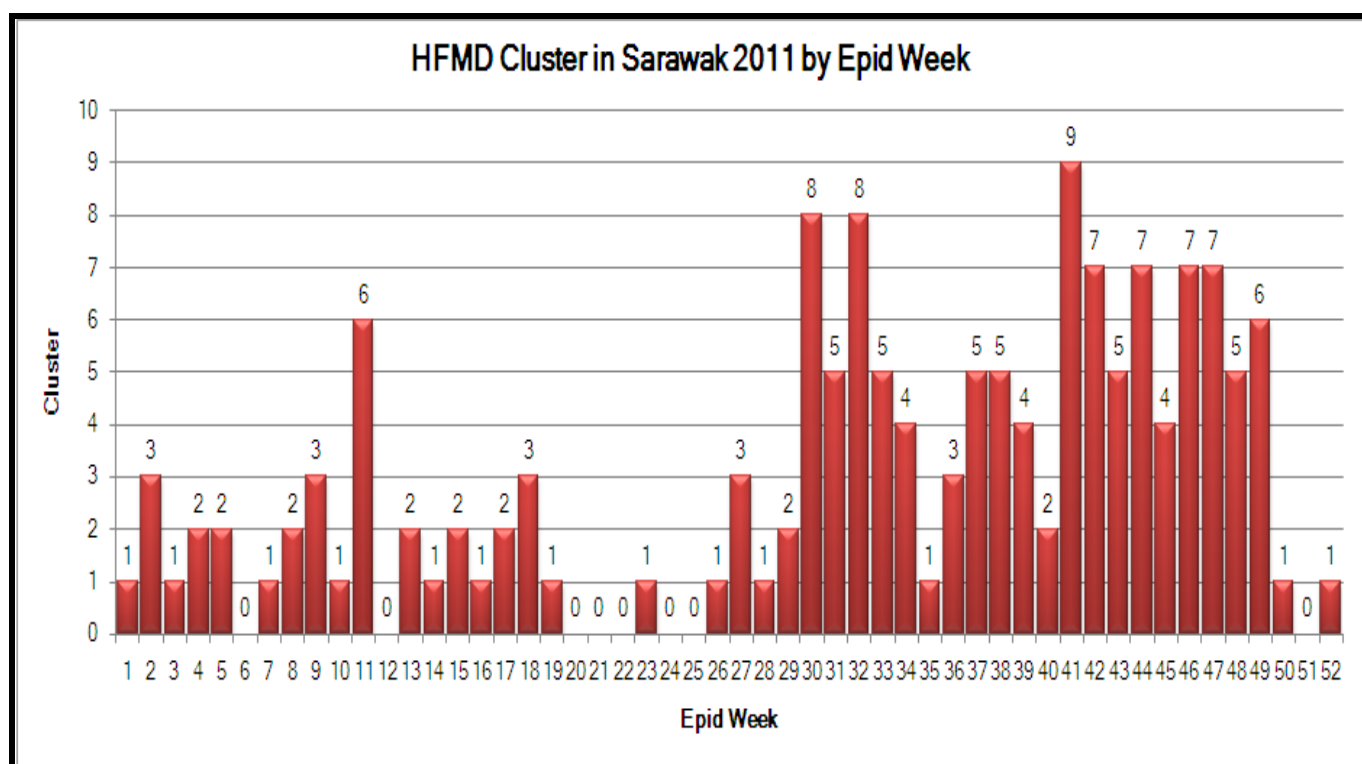
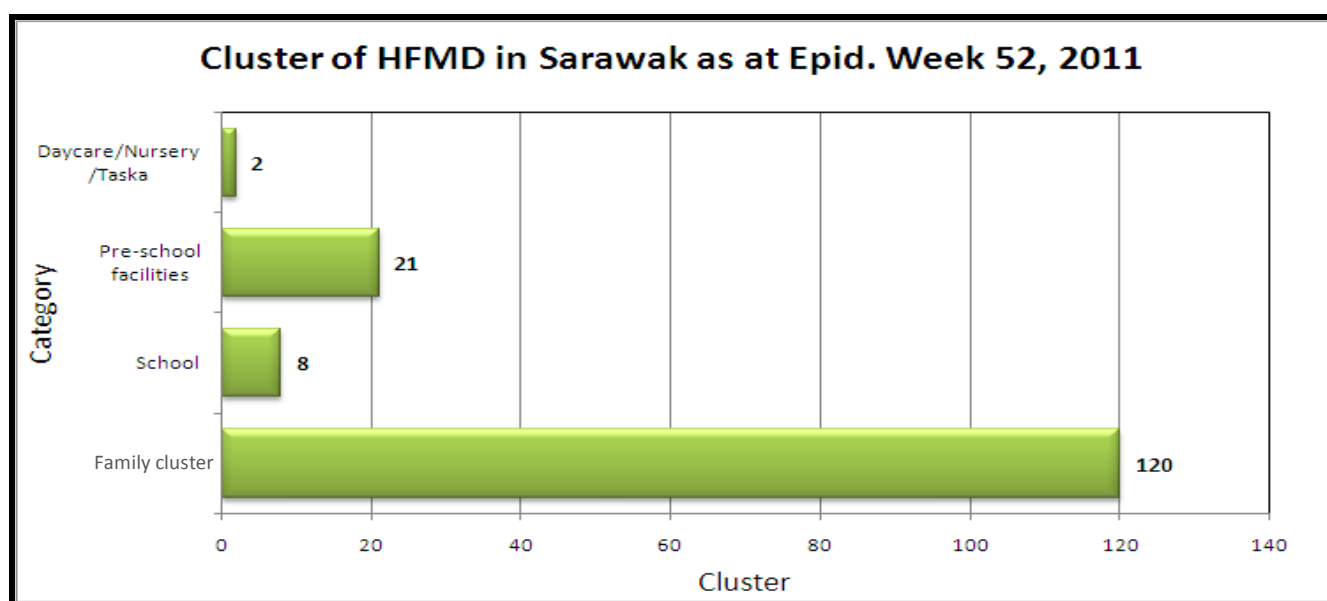
District	Masterlist		Registered Case		Back Log	
	EW 52	Total	EW 52	Total	EW 52	Total
Kuching	3	602	3	618	0	-16
Bau	0	149	0	149	0	0
Lundu	0	31	0	33	0	-2
<b>KUCHING</b>	<b>3</b>	<b>782</b>	<b>3</b>	<b>800</b>	<b>0</b>	<b>-18</b>
Samarahan	0	127	0	134	0	-7
Asajaya	0	35	0	30	0	5
Simunjan	0	19	0	24	0	-5
Serian	0	39	0	46	0	-7
<b>SAMARAHAN</b>	<b>0</b>	<b>220</b>	<b>0</b>	<b>234</b>	<b>0</b>	<b>-19</b>
Sri Aman	0	97	0	101	0	-4
Lubok Antu	0	18	0	20	0	-2
<b>SRI AMAN</b>	<b>0</b>	<b>115</b>	<b>0</b>	<b>121</b>	<b>0</b>	<b>-6</b>
Betong	0	57	0	58	0	-1
Saratok	0	36	0	52	0	-16
<b>BETONG</b>	<b>0</b>	<b>93</b>	<b>0</b>	<b>110</b>	<b>0</b>	<b>-23</b>
Sarikei	0	187	0	168	0	19
Meradong	0	73	0	78	0	-5
Pakan	0	7	0	6	0	1
Julau	0	32	0	49	0	-17
<b>SARIKEI</b>	<b>0</b>	<b>299</b>	<b>0</b>	<b>301</b>	<b>0</b>	<b>-2</b>
Daro	0	7	0	17	0	-10
Matu	0	4	0	9	0	-5
Mukah	0	84	0	97	0	-13
Dalat	0	42	0	47	0	-5
<b>MUKAH</b>	<b>0</b>	<b>137</b>	<b>0</b>	<b>170</b>	<b>0</b>	<b>-33</b>
Sibu	0	149	0	150	0	-1
Selangau	0	6	0	9	0	-3
Kanowit	0	22	0	23	0	-1
<b>SIBU</b>	<b>0</b>	<b>177</b>	<b>0</b>	<b>182</b>	<b>0</b>	<b>-5</b>
Kapit	0	64	0	44	0	20
Song	0	12	0	12	0	0
Belaga	0	55	0	71	0	-16
<b>KAPIT</b>	<b>0</b>	<b>131</b>	<b>0</b>	<b>127</b>	<b>0</b>	<b>4</b>
Bintulu	6	747	0	568	6	179
Tatau	0	25	0	3	0	22
<b>BINTULU</b>	<b>6</b>	<b>772</b>	<b>0</b>	<b>571</b>	<b>6</b>	<b>201</b>
Miri	0	310	0	233	0	77
Marudi	0	49	0	30	0	19
<b>MIRI</b>	<b>0</b>	<b>359</b>	<b>0</b>	<b>263</b>	<b>0</b>	<b>96</b>
Limbang	0	65	0	69	0	-4
Lawas	0	4	0	2	0	2
<b>LIMBANG</b>	<b>0</b>	<b>69</b>	<b>0</b>	<b>71</b>	<b>0</b>	<b>-2</b>
<b>SARAWAK</b>	<b>9</b>	<b>3154</b>	<b>3</b>	<b>2950</b>	<b>6</b>	<b>204</b>

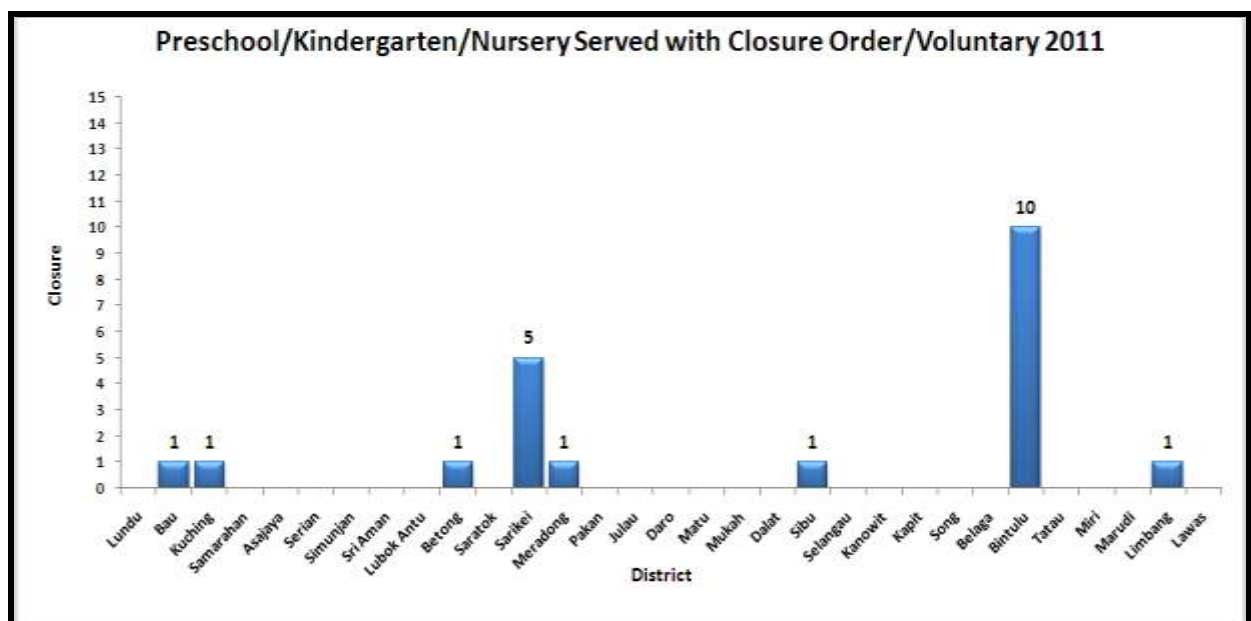
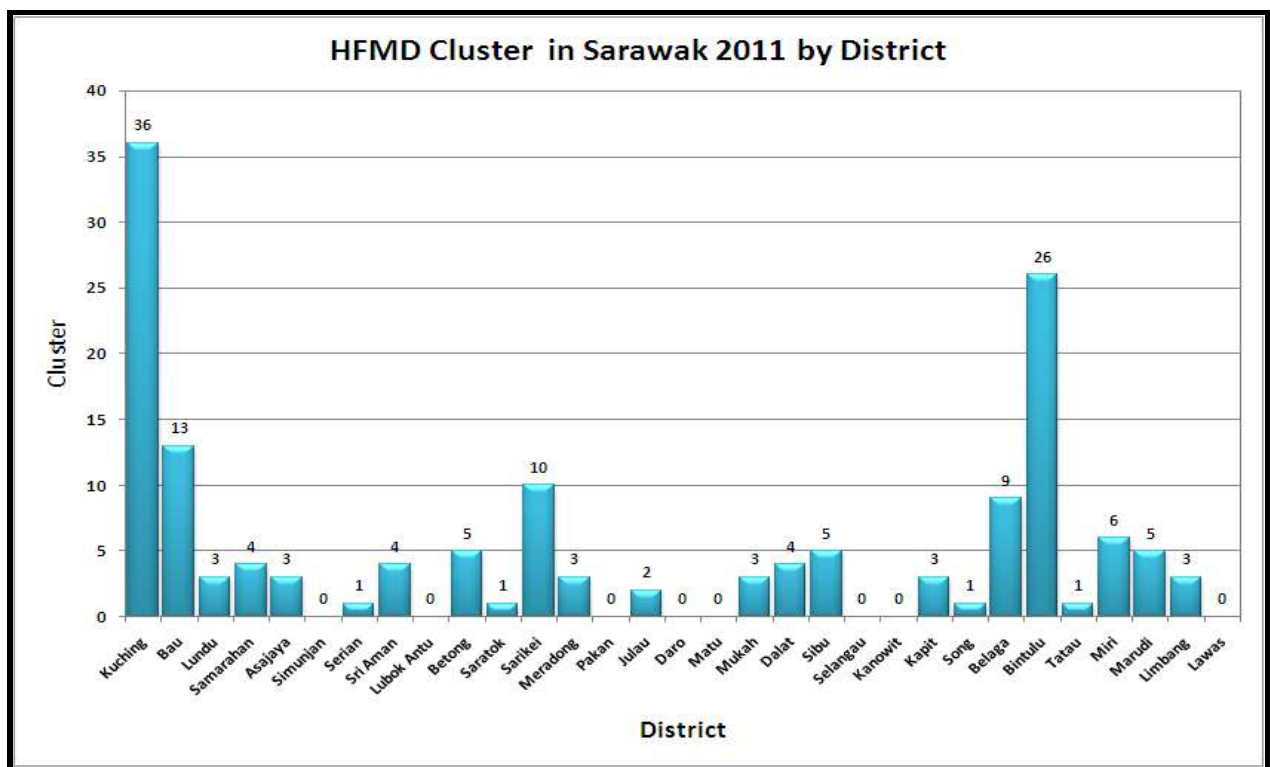


### 5.2.2. Cumulative HFMD Clusters as of 31<sup>st</sup> November 2011.

One HFMD family cluster Sebauh, Bintulu was reported in Epid. Week 52, 2011 to Sarawak State Health Department.

As at 31<sup>st</sup> December 2011, the cumulative total of reported HFMD clusters were remained as 151. Of these, 120 (79.47%) were family cluster, 21 (13.91%) were cluster in preschool facilities, eight (5.29%) were in schools and two (1.33%) were in nursery or day care centres.





**5.3. Notified Leptospirosis cases for Epid. Week 52, 2011 compared to Epid. Week 52, 2010 and cumulative cases till Epid. Week 52 in 2011.**

District	Case classification (positive)				Total positive leptospirosis	
	Confirmed		Probable		2011	2010
	EW 52/2011	EW 52/2010	EW 52/2011	EW 52/2010		
Bau	0	0	1	0	4(1)	1
Lundu	0	0	0	0	7	0
Kuching	0	0	0	0	36(2)	12
Asajaya	0	0	0	0	3	0
Samarahan	0	0	0	0	3	1
Serian	0	0	1	0	10(1)	2
Simunjan	0	0	0	0	8(1)	1
Sri Aman	0	0	0	0	11(2)	1
Lubok Antu	0	0	0	0	11	3(1)
Betong	0	0	0	0	4(1)	0
Saratok	0	0	0	0	5	0
Sarikei	0	0	0	0	0	1
Meradong	0	0	21	0	21	1
Pakan	0	0	0	0	3	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
Belawai	0	0	0	0	1	0
Sibu	0	0	0	0	2	6
Kanowit	0	0	0	0	4	1
Selangau	0	0	0	0	3	0
Song	0	0	0	0	1	2
Kapit	0	0	1	0	12	1
Belaga	0	0	0	0	7(1)	0
Tatau	0	0	0	0	1	0
Bintulu	0	0	0	0	9(3)	6
Miri	0	0	0	0	11	3
Marudi	0	0	0	0	2	2
Limbang	0	0	0	0	2(1)	1
Lawas	0	0	0	0	0	0
<b>Total</b>	<b>0</b>	<b>0</b>	<b>24</b>	<b>0</b>	<b>184 (14)</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 indicates source of infection.

**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**

### 5.3.1 Summary of Leptospirosis death in Sarawak as at 31<sup>st</sup> December 2011

No.	District	Hospital	Age (years)	Ethnic	Gender	Date of death	Concurrent medical illness	Occupation
1	Daro	Sibu	37	Melanau	Male	27/01/2011	Asthma	Farmer
2	Belaga	Bintulu	24	Indonesia	Male	08/04/2011	--	Labour
3	Bintulu	Bintulu	40	Kadazan	Male	15/05/2011	Asthma	Bussinessman
4	Limbang	Miri	17	Iban	Male	20/05/2011	--	Mechanic
5	Bintulu	Bintulu	42	Iban	Male	28/06/2011	Intrabdominal sepsis with ARF 2° retroviral +ve	Cleaner
6	Sri Aman	SGH	36	Iban	Male	29/06/2011	--	Lorry Driver
7	Betong	SGH	48	Malay	Male	03/07/2011	--	Labour
8	Kuching	SGH	45	Chinese	Male	17/07/2011	DM, HPT and CVA	Nil
9	Kuching	SGH	57	Chinese	Male	10/09/2011	Severe hypotension	Retired clerk (Telekom)
10	Bintulu	Bintulu	52	Melanau	Male	01/08/2011	Not Known	Grass cutter
11	Sri Aman	SGH	76	Iban	Female	05/09/2011	Not Known	-
12	Lundu	SGH	32	Malay	Male	01/12/2011	--	Army
13	Serian	SGH	13	Bidayuh	Female	13/12/2011	--	Student (SMK Balai Ringin)
14	Simunjan	SGH	29	Iban	Female	22/12/2011	--	Housewife/ Farmer

Note: District indicates source of infection.

Hospital indicates facility where patient admitted.

### 5.3.2. Locality of leptospirosis outbreak in Sarawak as at 31<sup>st</sup> December 2011.

No	District	Locality	Number of cases	Outbreak declared
1	Meradong	SMK Bandar Bintangor	114	24/10/2011
2	Lundu	Sempadi Camp	5	12/12/2011

5.4. Notified Melioidosis cases for Epid. Week 52, 2011 compared to Epid. Week 52, 2010 and cumulative cases till Epid. Week 52 in 2011.

District	Blood test result				Total positive	
	Positive				2011	2010
	Culture		Serology			
	EW 52/2011	EW 52/2010	EW 52/2011	EW 52/2010		
Bau	0	0	0	0	1	0
Lundu	0	0	0	0	0	0
Kuching	2	0	0	0	4	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	3	0
Lubok Antu	0	0	0	0	1	0
Betong	0	0	0	0	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
Belawai	0	0	0	0	0	0
Sibu	1	0	0	0	2	5(1)
Kanowit	1	0	0	0	1	1
Selangau	1	0	2	0	5	6(2)
Song	0	0	0	0	1	7(2)
Kapit	0	0	2	2	61(3)	162(1)
Belaga	0	0	1	1	21(4)	28(1)
Tatau	0	0	0	0	4(1)	14(4)
Bintulu	0	0	0	0	5	49(1)
Miri	0	0	3(1)	0	6(2)	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	5	0	8(1)	3	119 (10)	343(18)

Note: ( ) Death; EW = Epid. Week  
District indicates source of infection.



#### 5.4.1. Summary of Melioidosis deaths in Sarawak as at 31<sup>st</sup> December 2011.

No.	District	Hospital	Age	Race	Gender	Date of death	Concurrent medical illness	Occupation
1	Tatau	Bintulu	45	Melayu	Male	17/01/2011	-	Surveyor
2	Kapit	Kapit	32	Beketan	Female	24/01/2011	-	Farmer & Part time Palm Plantation
3	Belaga	SGH	37	Iban	Male	30/01/2011	-	Maintenance assistant at Matang Wildlife Centre & Part time staff of WIMOR Project at Bakun
4	Belaga	Bintulu	41	Chinese	Male	23/02/2011		Mechanic at Penyuan Camp
5	Belaga	Bintulu	52	Penan	Female	10/03/2011	Schizophrenia	Farmer
6	Belaga	Bintulu	32	Kenyah	Male	11/03/2011	-	Part time staff of WIMOR Project at Bakun
7	Kapit	Kapit	59	Iban	Male	13/03/2011	-	Farmer
8	Miri	Bintulu	37	Iban	Female	01/05/2011	Spleen abscess with DM on oral treatment	Housewife
9	Kapit	Sibu	17	Iban	Male	16/10/2011	-	Labourer at Heli Logging Gaat
10	Miri	Miri	49	Iban	Male	07/09/2011	-	Worker at Petra Resources Sdn. Bhd

Note: District indicates source of infection.

Hospital indicates facility where patient admitted.

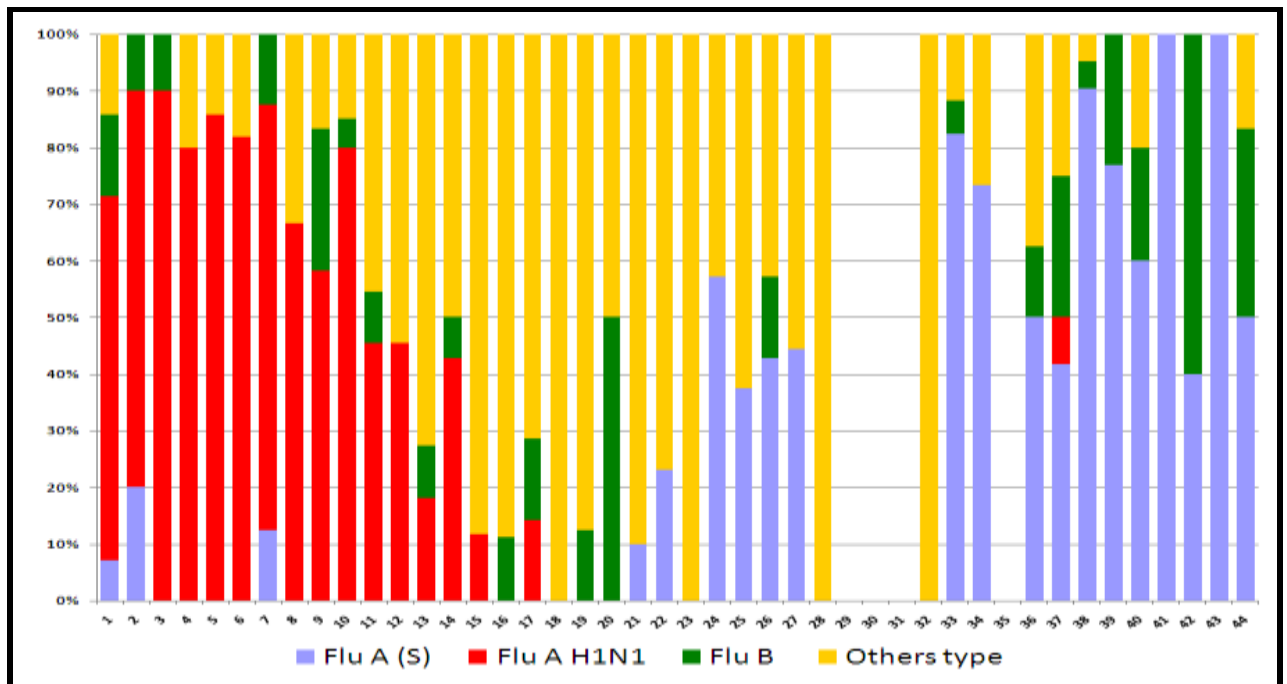
#### 5.4.2. Locality of melioidosis outbreak in Sarawak as at 31<sup>st</sup> December 2011.

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

Note: District indicates source of infection

## 6. LABORATORY BASED SURVEILLANCE

### 6.1. Malaysia Influenza Surveillance System (MISS) (not included Sabah\*) from Epid Week 1 till Epid Week 44, 2011.



\* specimen from Sabah were analysed at MKAK Kota Kinabalu

In Malaysia, as at Epid Week 44, 2011, a total of 3,350 throat swab specimens were analysed at MKAK Sungai Buloh. Of these, 416 specimens isolated various types of influenza virus i.e. virus Flu A (H1N1) (98), Flu A (s) [152], Flu B (28), and other types of virus (138). Other viruses which are under category of others-type: Adenovirus (83), Paramyxovirus (14), RSV (1), Enterovirus (1) and other viruses (39).

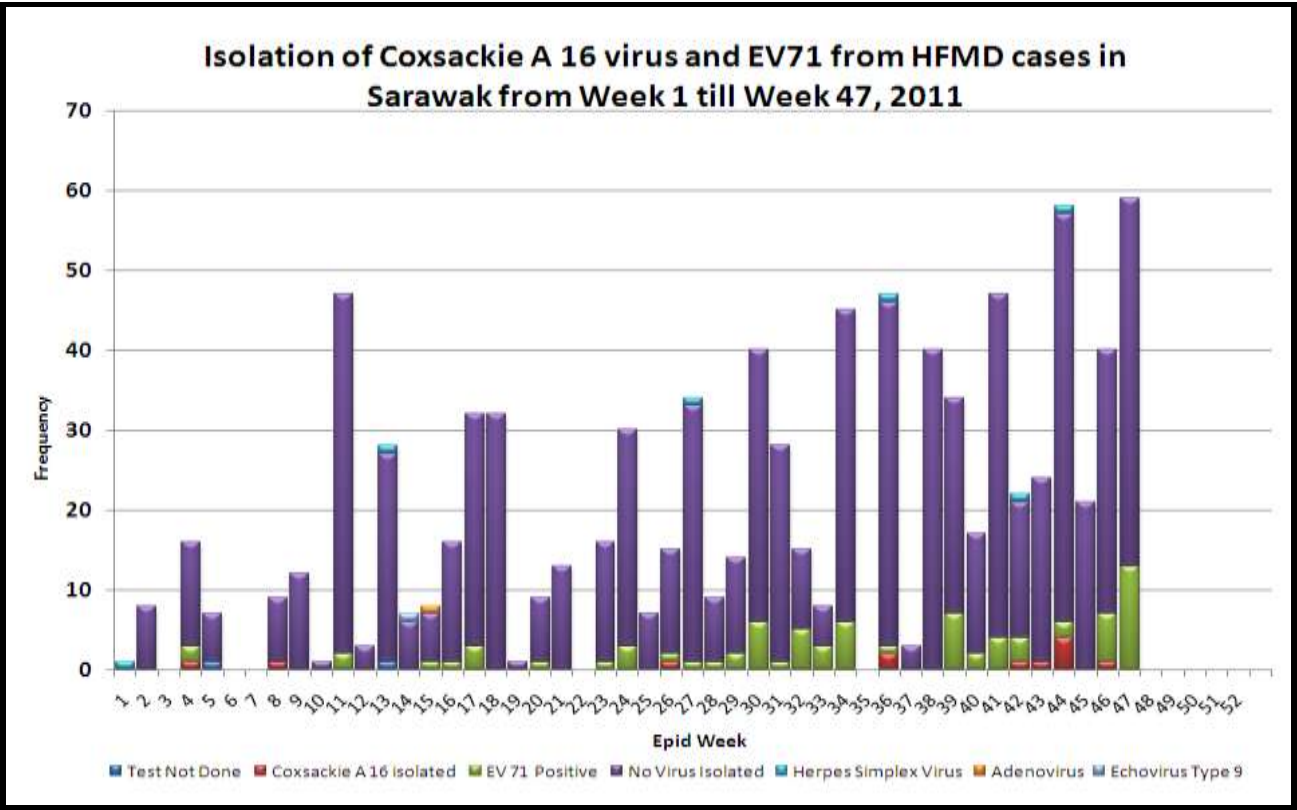
### 6.2. Laboratory Based Surveillance for Measles in Malaysia

In Malaysia, as at Epid. Week 45, 2011, a total of 4,340 serum specimens for serology test were sent to MKAK Sg. Buloh. Of these, 1,383 were positive for IgM Measles and 354 positive for Rubella.

As at Epid. Week 45, 2011, a total of 3,526 specimens for viral isolation were sent to MKAK Sg. Buloh. Of these, 263 (8.8%) specimens positive for virus isolation: measles (94); rubella (162); herpes simplex virus 1 (3); and adenovirus (4).

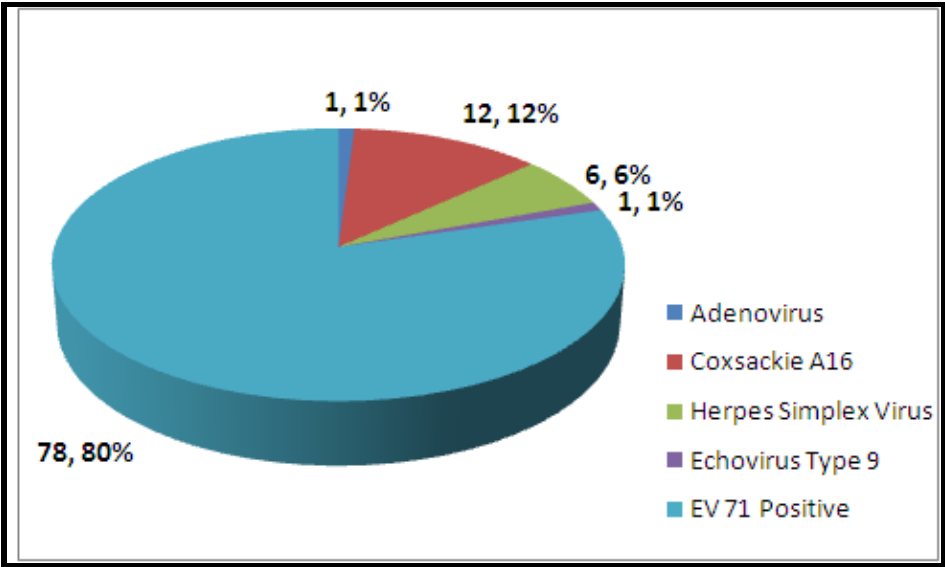
In Sarawak, as at Epid Week 45, 2011, a total of 284 specimens for serology test were to MKAK Sg Buloh. Of these, 21 specimens were positive for measles IgM and 40 positive for rubella IgM. Only 30 specimens for measles viral isolation from Sarawak were sent to MKAK Sg. Buloh but so far none were positive.

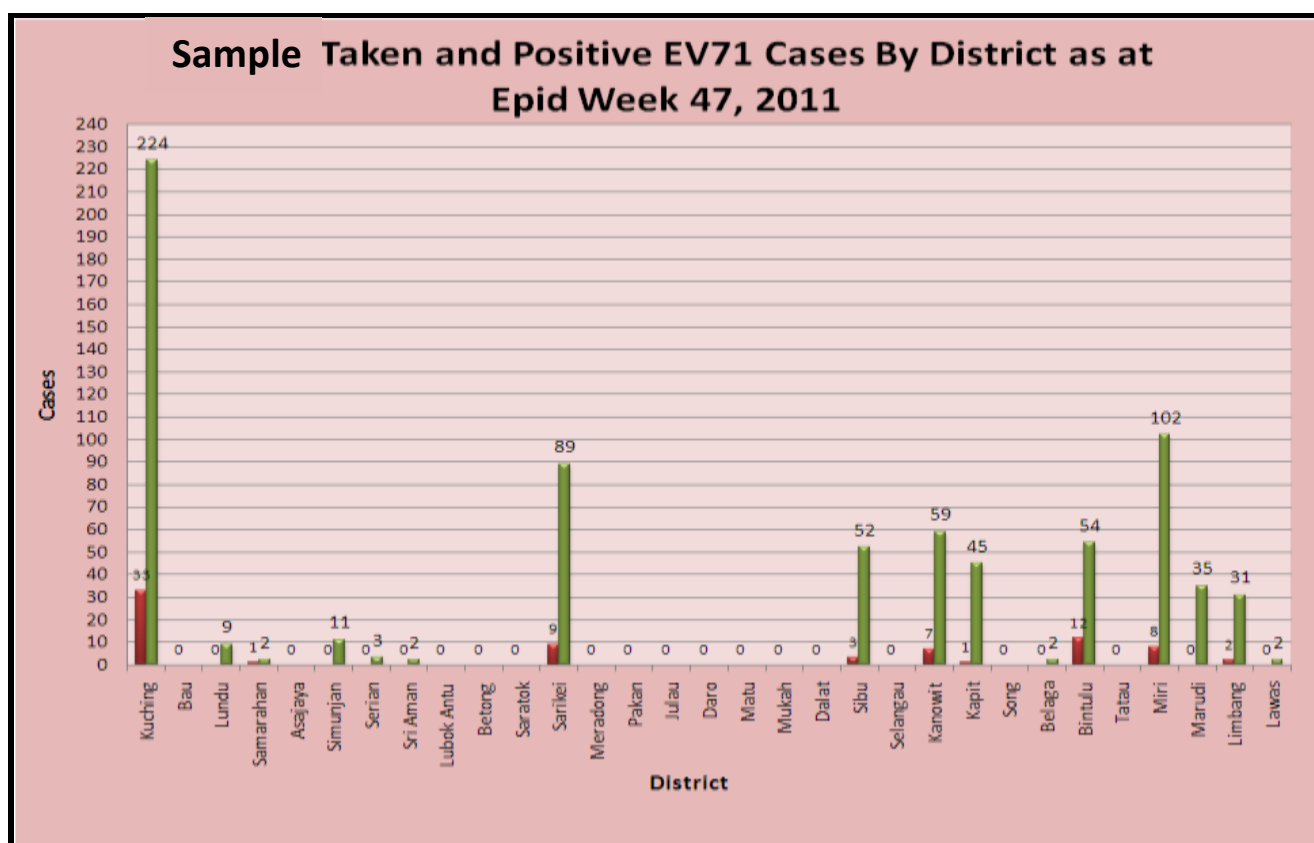
6.3. Laboratory Based Surveillance for HFMD in Sarawak from Epid Week 1 till Epid Week 47, 2011.



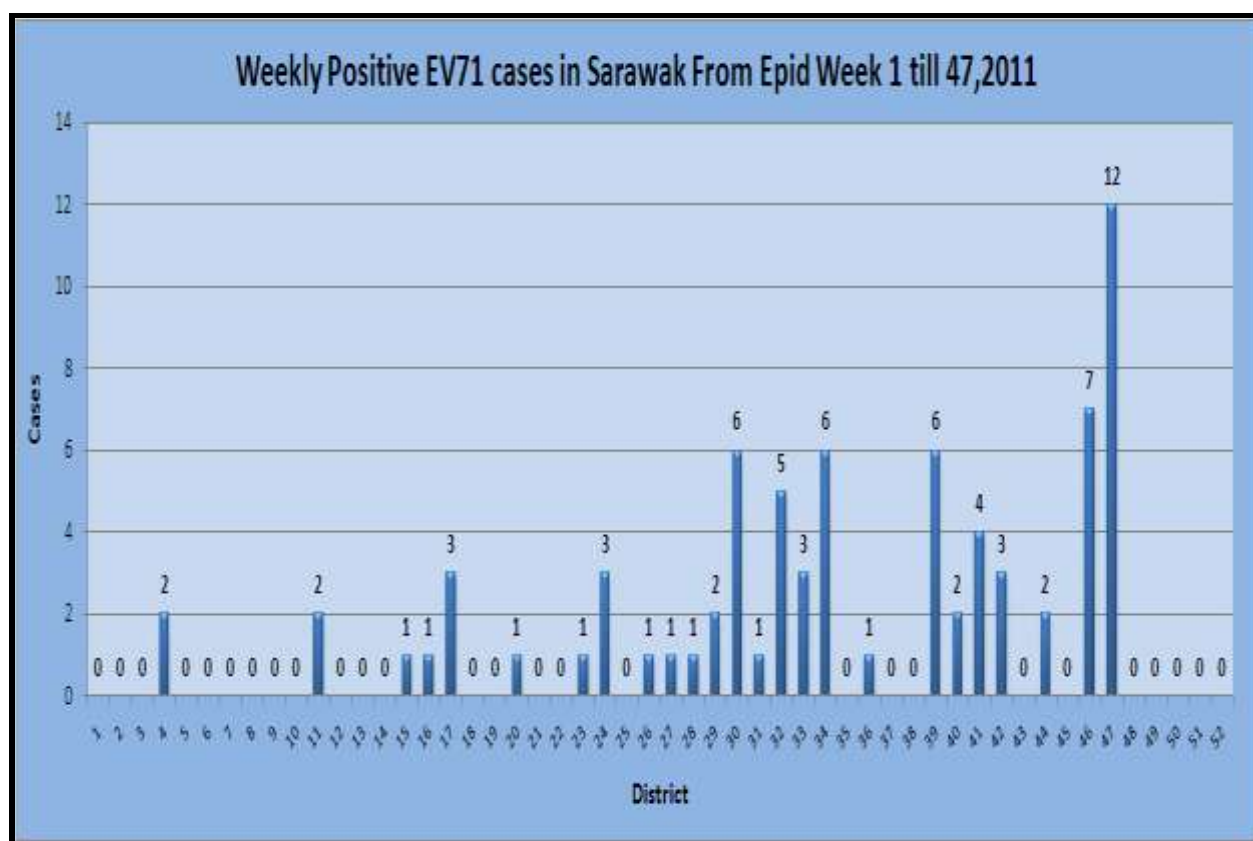
\*results from EW 48 onwards are still pending

In Sarawak, as at Epid. Week 47, 2011, a total of 923 specimens were sent to MKAK Sg. Buloh for viral isolation. Of these, 98 specimens isolated viruses: EV71 (78), Coxsackie A16 (12), Herpes Simplex (HSV 1) [6], Adenovirus (1) and Echovirus Type 9 (1).





\*results from EW 48 onwards are still pending



\*results from EW 48 onwards are still pending

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 31<sup>th</sup> December 2011):

No.	Name/Designation	Office address	E-mail address	Tel. / Fax / Handphone number
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2	<b>Ketua Penolong Pengarah</b> Dr. Noorzilawati Sahak	Seksyen Kawalan Penyakit Berjangkit, Jabatan Kesihatan Negeri Sarawak.	drnoorzila@gmail.com	Tel: 082-246935 Fax: 082-234571 Hp: 014-6999126
3	<b>Pegawai Kesihatan Bahagian</b> Bahagian Kuching Dr. Kamarudin Lajim	Pejabat Kesihatan Bahagian, Bahagian Kuching, Jalan Tun Ahmad Zaidi Adruce, 93250 KUCHING.	kamarudinl@srwk.moh.gov.my	Tel: 082-238635/257867 Fax: 082-414542/250037 Hp: 013-8014332
4	<b>Pegawai Kesihatan Bahagian</b> Bahagian Samarahan Dr. Julaidah Sharip	Pejabat Kesihatan Bahagian, Bahagian Samarahan, Jalan Datuk Muhammad Musa, 94300 KOTA SAMARAHAN.	julaidah.s@srwk.moh.gov.my	Tel: 082-673626 Fax: 082-673632 Hp: 019-8270869
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6	<b>Pegawai Kesihatan Bahagian</b> Bahagian Betong Dr. Jeffery Stephen	Pejabat Kesihatan Bahagian, Bahagian Betong, KM 2, Jalan Betong, 95700 BETONG.	stjeffery@srwk.moh.gov.my	Tel: 083-472116 Fax: 083-471870 Hp: 019-8584053
7	<b>Pegawai Kesihatan Bahagian</b> Bahagian Sarikei Dr. Hasrina Hassan	Pejabat Kesihatan Bahagian Bahagian Sarikei Tingkat 3, Wisma Persekutuan 96100 SARIKEI	hasrina@srwk.moh.gov.my	Tel: 084-651077 Fax: 084-654088 Hp: 013-3403363
8	<b>Pegawai Kesihatan Bahagian</b> Bahagian Sibu Dr. Muhamad Rais Abdullah	Pejabat Kesihatan Bahagian, Bahagian Sibu, Tingkat 5, Wisma Persekutuan, Persiaran Brooke, 96000 SIBU.	mdrais@srwk.moh.gov.my	Tel: 084-315494 Fax: 084-348284 Hp: 019-8196459
9	<b>Pegawai Kesihatan Bahagian</b> Bahagian Kapit Dr. Ngian Hie Hung	Pejabat Kesihatan Bahagian, Bahagian Kapit, Tingkat 3, Wisma Persekutuan, 96800 KAPIT.	ngiahu@srwk.moh.gov.my	Tel: 084-796404 Fax: 084-332502 Hp: 017-8030839
10	<b>Pegawai Kesihatan Bahagian</b> Bahagian Mukah Dr. Hj. Osman Hji. Rafaie	Pejabat Kesihatan Bahagian, Bahagian Mukah, Jalan Haji Muhammad Pauzi, 96400 MUKAH.	dho_mukah@yahoo.com	Tel: 084-873301 Fax: 084-872963 Hp: 013-8014700
11	<b>Pegawai Kesihatan Bahagian</b> Bahagian Bintulu Dr. Abdul Rahim Abdullah	Pejabat Kesihatan Bahagian, Bahagian Bintulu, Lebuhraya Abang Galau, 97000 BINTULU.	dr.abdrahim@srwk.moh.gov.my	Tel: 086-331455 Fax: 086-661814 Hp: 013-3440575
12	<b>Pegawai Kesihatan Bahagian</b> Bahagian Miri Dr. Faizul Mansoor	Pejabat Kesihatan Bahagian, Bahagian Miri, Jalan Temenggong Oyong Lawai Jau, 98000 MIRI.	bmfaizul@srwk.moh.gov.my	Tel: 086-424722 Fax: 086-429987 Hp: 013-8335504
13	<b>Pegawai Kesihatan Bahagian</b> Bahagian Limbang Dr. Norliza Jusoh	Pejabat Kesihatan Bahagian, Bahagian Limbang, Jalan Pandaruan, 98700 LIMBANG.	norlizaj@srwk.moh.gov.my	Tel: 085-211046 Fax: 085-429987 Hp: 019-8163163



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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.