



# SARAWAK

## WEEKLY EPID NEWS

Sarawak Health Department

EPID. WEEK 29

15<sup>th</sup> JULY – 21<sup>st</sup> JULY

### INFECTIOUS DISEASE/CRISIS HIGHLIGHTS IN SARAWAK

HFMD outbreak  
Cholera outbreak

#### INSIDE

Topic	Page
Infectious disease/crisis highlights in Sarawak	1
New outbreaks/clusters	2
Summary mandatory notifiable diseases	3
Food-Water Borne Diseases	4
Vaccine Preventable Diseases	6
HIV/AIDS and STI	8
Tuberculosis and Leprosy	10
Vector Borne Diseases	13
Other Infectious Diseases	17
Emerging/Re-emerging Infectious and Zoonotic Diseases	18
Laboratory based surveillance	29



**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	Food Poisoning	Marudi	Jong Seng Loong Cafe	5	15 <sup>th</sup> July 2012
2		Miri	Lot 370, Kpg Bakam, Jalan Masjid Darul Khairad, Bakam	5	16 <sup>th</sup> July 2012
3		Tatau	Rumah Pekerja Central Panel Product	3	16 <sup>th</sup> July 2012
4	Dengue	Julau	Rh. Anyut, Sg. Balut	2	19 <sup>th</sup> July 2012

**Summary: All the food poisoning outbreak involving family.**

## 2.1 HFMD CLUSTERS SUMMARY

Division	Category of Cluster				Total
	Family	School	Kindergarten	Child Care Centre	
Kuching	3	0	0	0	3
Samarahan	1	0	0	0	1
Sri Aman	1	0	0	0	1
Betong	0	0	0	0	0
Sarikei	5	0	2	0	7
Mukah	1	0	1	0	2
Sibu	0	0	0	0	0
Kapit	2	0	0	0	2
Bintulu	0	0	0	1	1
Miri	4	0	0	0	4
Limbang	1	1	0	1	3
<b>Total</b>	<b>18</b>	<b>1</b>	<b>3</b>	<b>2</b>	<b>24</b>

### 3. SUMMARY OF MANDATORY NOTIFIABLE DISEASES REPORTED IN EPID. WEEK 29, 2012

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									3							
Bau											8																1
Kuching	2/1					2				1	81				3				1	29							11
Samarahan										1	15				1												
Asajaya										2	3																
Simunjan											2									5							3
Serian						1					24									1							
Sri Aman											11									2							
L/ Antu											2									1							
Betong						1					7	2		2													1
Saratok						1					8									2							
Sarikei						2					12				6					7							
Meradong						1					21																
Pakan											2																
Julau						3					2	2															
Daro											2																
Matu											2																
Dalat											3																
Mukah						1				1	3																
Sibu	0/1										34	2															
Kanowit											1	2								1							
Selangau											1																
Song						1					0									2							
Kapit						2					14	5															
Belaga											7																
Tatau						1			3			1								2							
Bintulu				24		1					14									15							
Miri	1/0					1			5	1	39				1				2	3							
Marudi						1			5		8	7															
Limbang										1	8	1		1													
Lawas	1/0											1															
<b>TOTAL (Week 29)</b>	<b>4/2</b>	<b>0</b>	<b>0</b>	<b>24</b>	<b>0</b>	<b>19</b>	<b>0</b>	<b>0</b>	<b>13</b>	<b>7</b>	<b>335</b>	<b>0</b>	<b>23</b>	<b>0</b>	<b>14</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>73</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>16</b>
<b>Total (2012)</b>	<b>83/45</b>	<b>0</b>	<b>0</b>	<b>24</b>	<b>0</b>	<b>546</b>	<b>5</b>	<b>0</b>	<b>861</b>	<b>233</b>	<b>9791</b>	<b>33</b>	<b>697</b>	<b>3</b>	<b>149</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>138</b>	<b>1</b>	<b>979</b>	<b>7</b>	<b>0</b>	<b>76</b>	<b>2</b>	<b>0</b>	<b>146</b>
<b>Total (2011)</b>	<b>164/82</b>	<b>0</b>	<b>0</b>	<b>252</b>	<b>0</b>	<b>974</b>	<b>9</b>	<b>0</b>	<b>1323</b>	<b>445</b>	<b>3170</b>	<b>25</b>	<b>1761</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>25</b>	<b>0</b>	<b>186</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**

#### 4. SURVEILLANCE REPORT ON FOOD-WATER BORNE DISEASES

##### 4.1. New case reported

Three food poisoning reported from Marudi, Miri and Tatau district. All three outbreak were involving family.

Two suspected dysentery cases reported from Kuching and Saratok district.

##### 4.2. Cumulative cases from Epid Week 1-29, 2012

Division	Food poisoning outbreak	Dysentery		Typhoid & paratyphoid fever		Cholera	Hepatitis A	
		S	C	S	C		S	C
Kuching	7	9	1	12	3	0	0	2
Samarahan	6	7	0	1	0	0	0	0
Sri Aman	0	1	0	0	3	0	0	0
Betong	4	4	1	1	0	0	0	0
Sarikei	4	21	1	1	0	0	0	0
Sibu	1	4	0	2	0	0	0	1
Kapit	1	7	0	2	0	0	0	0
Mukah	4	1	2	2	1	0	0	0
Bintulu	2	10	0	0	0	24	0	0
Miri	4	4	0	0	0	0	0	0
Limbang	1	1	0	0	0	0	0	0
<b>Sarawak</b>	<b>37</b>	<b>69</b>	<b>5</b>	<b>21</b>	<b>7</b>	<b>24</b>	<b>0</b>	<b>3</b>

Note: S = Suspected; C = Confirmed

##### Note:

- Out of 37 food poisoning outbreak, five were related to Susu 1 Malaysia.
- The etiological agent for five confirmed dysentery cases is *Enteropathogenic e coli* (Mukah and Sarikei), *Shewanella putrefaciens* (Saratok), *Shigella sp* (Dalat), *Pleiomonas shigelloidis* (Kuching).
- Out of seven confirmed typhoid cases, four are *Salmonella paratyphii* and three are *Salmonella typhii*.
- Out of 109 suspected of cholera in Bintulu district, 24 were positive.

## 5. SURVEILLANCE REPORT ON VACCINE PREVENTABLE DISEASES

### 5.1. New case reported

There were 14 measles cases reported from Kuching (3), Samarahan (1), Betong (2), Sarikei (6), Miri (1) and Limbang (1) district.

Two suspected pertussis reported from Miri (1) and Kapit (1) district.

### 5.2. Total number of Vaccine Preventable Diseases Reported by division from Epid Week 1-29, 2012

Division	TYPES OF DISEASES								
	Measles					Rubella	Tetanus	Whooping Cough	
	Suspected (Registered Cases in SM2)	Confirmed			Discard	Lab. Confirmed	C	S	C
		Lab. Confirmed	Clinically Confirmed	Epid. Link					
Kuching	88	23	3	10	20	2	0	14	3
Samarahan	15	1	0	1	10	0	0	0	0
Sri Aman	21	3	1	0	12	2	0	0	0
Betong	7	3	0	0	1	0	0	0	0
Sarikei	42	2	0	0	19	0	0	0	0
Sibu	3	1	0	0	0	0	0	4	0
Kapit	5	0	0	0	3	0	0	0	0
Mukah	1	0	0	0	0	0	0	1	0
Bintulu	117	33	1	13	36	6	1	0	0
Miri	158	47	0	0	81	0	0	5	0
Limbang	19	7	0	0	5	0	0	0	0
<b>Sarawak</b>	<b>476</b>	<b>120</b>	<b>5</b>	<b>24</b>	<b>187</b>	<b>10</b>	<b>1</b>	<b>24</b>	<b>3</b>

Note: S = suspected; C = confirmed

Case Definition of measles:

**Any person with**

**Fever and maculopapular rash and; conjunctivitis or cough or coryza**

**Or**

**Any person in whom a clinician suspects a measles infection.**

Source: Measles Prevention and Control in Malaysia. Handbook for Healthcare Personnel,  
MOH, December 2006

### 5.2.1. Measles Elimination Programme (MEP) Achievement by Division in Epid. Week 29, 2012

Division	No. Of cases	Indicator High Quality Surveillance (>80%)		
		% of Suspected cases Notified within 24 hours	% of suspected cases with adequate Investigation within 48 hours of notification	% of suspected cases with adequate blood specimens
Kuching	3	3(100%)	3(100%)	3(100%)
Samarahan	1	1(100%)	1(100%)	1(100%)
Sri Aman	0	-	-	-
Betong	2	2(100%)	2(100%)	2(100%)
Sarikei	6	6(100%)	6(100%)	6(100%)
Sibu	0	-	-	-
Kapit	0	-	-	-
Mukah	0	-	-	-
Bintulu	0	-	-	-
Miri	1	1(100%)	1(100%)	1(100%)
Limbang	1	1(100%)	1(100%)	1(100%)
<b>Sarawak</b>	<b>14</b>	<b>14(100%)</b>	<b>14(100%)</b>	<b>14(100%)</b>

#### Strategies of MEP:

- Measles Incidence Rate < 1/1 million population
- Effective Enhanced Surveillance Programme
- Measles Vaccination coverage > 95%

### 5.4. Acute Flaccid Paralysis (AFP)

Cumulative cases of AFP reported in 2012 is four from Kuching (1), Serian(1), Bintulu(1) and Miri(1) district. Expected number for Sarawak is seven. Three cases are discard 1 category.

## 6. SURVEILLANCE REPORT ON HIV/AIDS AND STI

### 6.1 Notified HIV/AIDS cases for Epid. Week 29, 2012 and cumulative cases from Epid. Week 1 until Epid. Week 29, 2012.

District / Division	2012			
	EW 29		Cumulative	
	HIV	AIDS	HIV	AIDS
Lundu	0	0	0	0
Bau	0	0	1	0
Kuching	2	1	20	11
KUCHING	2	1	21	11
Samarahan	0	0	3	2
Asajaya	0	0	2	1
Simunjan	0	0	3	1
Serian	0	0	0	1
SAMARAHAN	0	0	8	5
Sri Aman	0	0	1	1
LubokAntu	0	0	0	0
SRI AMAN	0	0	1	1
Betong	0	0	0	0
Saratok	0	0	0	0
BETONG	0	0	0	0
Sarikei	0	0	1	1
Meradong	0	0	0	0
Pakan	0	0	0	0
Julau	0	0	0	0
SARIKEI	0	0	1	1
Daro	0	0	0	0
Matu	0	0	0	0
Dalat	0	0	0	0
Mukah	0	0	1	0
MUKAH	0	0	1	0
Sibu	0	1	9	7
Kanowit	0	0	1	0
Selangau	0	0	0	0
SIBU	0	1	10	7
Song	0	0	0	0
Kapit	0	0	0	1
Belaga	0	0	0	0
KAPIT	0	0	0	1
Tatau	0	0	0	0
Bintulu	0	0	2	2
BINTULU	0	0	2	2
Miri	1	0	12	4
Marudi	0	0	0	0
MIRI	1	0	12	4
Limbang	0	0	2	3
Lawas	1	0	2	1
LIMBANG	1	0	4	4
<b>Sarawak</b>	<b>4</b>	<b>2</b>	<b>83</b>	<b>45</b>

EW = Epid. Week; Cum. = Cumulative figure

### 6.2 HIV/AIDS Patient Classification Notified in Epid. Week 29 and Cumulative from Epid. Week 1 until Epid. Week 29, 2012

District / Division	2012					
	Children		Women		Foreigner	
	EW 29	Cum.	EW 29	Cum.	EW 29	Cum.
Lundu	0	0	0	0	0	0
Bau	0	0	0	0	0	0
Kuching	0	0	0	2	0	0
KUCHING	0	0	0	2	0	0
Samarahan	0	0	0	0	0	0
Asajaya	0	0	0	0	0	0
Simunjan	0	0	0	1	0	1
Serian	0	0	0	0	0	0
SAMARAHAN	0	0	0	0	0	0
Sri Aman	0	0	0	0	0	0
LubokAntu	0	0	0	0	0	0
SRI AMAN	0	0	0	0	0	0
Betong	0	0	0	0	0	0
Saratok	0	0	0	0	0	0
BETONG	0	0	0	0	0	0
Sarikei	0	0	0	0	0	0
Meradong	0	0	0	0	0	0
Pakan	0	0	0	0	0	0
Julau	0	0	0	0	0	0
SARIKEI	0	0	0	0	0	0
Daro	0	0	0	0	0	0
Matu	0	0	0	0	0	0
Dalat	0	0	0	0	0	0
Mukah	0	0	0	0	0	0
MUKAH	0	0	0	0	0	0
Sibu	0	0	0	0	0	0
Kanowit	0	0	0	1	0	0
Selangau	0	0	0	0	0	0
SIBU	0	0	0	1	0	0
Song	0	0	0	0	0	0
Kapit	0	0	0	0	0	0
Belaga	0	0	0	0	0	0
KAPIT	0	0	0	0	0	0
Tatau	0	0	0	0	0	0
Bintulu	0	0	0	0	0	0
BINTULU	0	0	0	0	0	0
Miri	0	0	0	1	0	0
Marudi	0	0	0	0	0	0
MIRI	0	0	0	1	0	0
Limbang	0	0	0	0	0	0
Lawas	0	0	0	0	0	0
LIMBANG	0	0	0	0	0	0
<b>Sarawak</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>5</b>	<b>0</b>	<b>1</b>

Four HIV cases reported from Kuching(2), Miri(1) and; Lawas(1) and two AIDS cases reported from Kuching(1) and Sibu(1) district for Epid. Week 29,2012.



**3.3.3 Notified Gonorrhoea and Syphilis (all forms) cases for Epid. Week 29, 2012 and Cumulative cases from Epid. Week 1, 2012 until Epid.Week 29, 2012.**

District / Division	Gonorrhoea		Syphilis (all forms)	
	EW 29	Cum.	EW 29	Cum.
Lundu	0	4	0	3
Bau	0	7	0	2
Kuching	1	99	1	50
<b>KUCHING</b>	<b>1</b>	<b>110</b>	<b>1</b>	<b>55</b>
Samarahan	1	14	0	11
Asajaya	2	11	0	5
Simunjan	0	5	0	2
Serian	0	6	0	1
<b>SAMARAHAN</b>	<b>3</b>	<b>36</b>	<b>0</b>	<b>19</b>
Sri Aman	0	3	0	13
LubokAntu	0	1	0	4
<b>SRI AMAN</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>17</b>
Betong	0	1	0	1
Saratok	0	0	0	0
<b>BETONG</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>1</b>
Sarikei	0	2	0	1
Meradong	0	2	0	0
Pakan	0	0	0	0
Julau	0	0	0	1
<b>SARIKEI</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>2</b>
Daro	0	4	0	1
Matu	0	8	0	0
Dalat	0	0	0	0
Mukah	1	5	0	3
<b>MUKAH</b>	<b>1</b>	<b>17</b>	<b>0</b>	<b>4</b>
Sibu	0	30	0	23
Kanowit	0	0	0	0
Selangau	0	2	0	1
<b>SIBU</b>	<b>0</b>	<b>32</b>	<b>0</b>	<b>24</b>
Song	0	0	0	0
Kapit	0	1	0	1
Belaga	0	0	0	0
<b>KAPIT</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>1</b>
Tatau	0	0	0	0
Bintulu	0	4	0	4
<b>BINTULU</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>4</b>
Miri	1	17	2	6
Marudi	0	2	0	1
<b>MIRI</b>	<b>1</b>	<b>19</b>	<b>2</b>	<b>7</b>
Limbang	1	3	0	3
Lawas	0	2	0	1
<b>LIMBANG</b>	<b>1</b>	<b>5</b>	<b>0</b>	<b>4</b>
<b>Sarawak</b>	<b>7</b>	<b>233</b>	<b>3</b>	<b>138</b>

**Gonorrhoea**

Seven cases reported in Epid Week 29, 2012 from Kuching(1), Samarahan(1), Asajaya(2), Mukah(1), Miri(1) and Limbang10 district.

**Syphilis**

Three cases reported in Epid Week 29 from Kuching(1) and Miri(2) district.

EW = Epid. Week; Cum. = Cumulative figure

## 7. SURVEILLANCE REPORT ON TUBERCULOSIS (ALL FORMS) AND LEPROSY.

### 7.1 Notified Tuberculosis cases for Epid. Week 29, 2012 compared to Epid. Week 29, 2011 and cumulative cases until Epid. Week 29, 2012.

District / Division	2012		2011		Total
	EW 29	Cum.	EW 29	Cum.	
Lundu	3	16	0	12	22
Bau	0	22	0	24	42
Kuching	29	216	5	185	365
KUCHING	32	254	5	221	429
Samarahan	0	13	2	23	46
Asajaya	0	5	0	12	29
Simunjan	5	20	0	20	37
Serian	1	19	1	32	61
SAMARAHAN	6	57	3	87	173
Sri Aman	2	31	0	26	58
LubokAntu	1	20	0	31	49
SRI AMAN	3	51	0	57	107
Betong	0	17	1	27	43
Saratok	2	29	2	31	55
BETONG	2	46	3	58	98
Sarikei	7	23	0	30	51
Meradong	0	23	0	14	29
Pakan	0	6	0	13	22
Julau	0	10	0	11	22
SARIKEI	7	62	0	68	124
Daro	0	10	0	16	27
Matu	0	1	0	2	4
Dalat	0	3	0	9	14
Mukah	0	28	1	24	44
MUKAH	0	42	1	51	89
Sibu	0	108	5	93	175
Kanowit	1	23	4	14	42
Selangau	0	19	1	21	32
SIBU	1	150	10	128	249
Song	2	10	0	11	23
Kapit	0	24	0	28	60
Belaga	0	19	4	29	40
KAPIT	2	53	4	68	123
Tatau	2	22	1	24	43
Bintulu	15	84	12	109	187
BINTULU	17	106	13	133	230
Miri	3	156	6	176	306
Marudi	0	32	1	41	61
MIRI	3	188	7	217	367
Limbang	0	27	2	26	42
Lawas	0	16	0	15	24
LIMBANG	0	43	2	41	66
<b>Sarawak</b>	<b>73</b>	<b>1052</b>	<b>48</b>	<b>1129</b>	<b>2055</b>

EW = Epid. Week; Cum. = Cumulative figure

### 7.2 Notified Leprosy cases for Epid. Week 29, 2012 compared to Epid. Week 29, 2011 and cumulative cases until Epid. Week 29, 2012.

District / Division	2012		2011		Total
	EW 29	Cum.	EW 29	Cum.	
Lundu	0	0	0	0	0
Bau	0	0	0	0	0
Kuching	0	0	0	1	3
KUCHING	0	0	0	1	3
Samarahan	0	0	0	0	0
Asajaya	0	0	0	0	0
Simunjan	0	1	0	0	0
Serian	0	0	0	0	0
SAMARAHAN	0	1	0	0	0
Sri Aman	0	0	0	0	0
LubokAntu	0	0	0	0	0
SRI AMAN	0	0	0	0	0
Betong	0	0	0	0	0
Saratok	0	0	0	0	0
BETONG	0	0	0	0	0
Sarikei	0	0	0	0	0
Meradong	0	0	0	0	0
Pakan	0	3	0	0	0
Julau	0	0	0	0	0
SARIKEI	0	3	0	0	0
Daro	0	0	0	0	0
Matu	0	0	0	0	0
Dalat	0	0	0	0	0
Mukah	0	5	0	0	1
MUKAH	0	4	0	0	1
Sibu	0	4	0	1	1
Kanowit	0	0	0	0	0
Selangau	0	0	0	0	0
SIBU	0	3	0	1	1
Song	0	0	0	0	0
Kapit	0	0	0	0	0
Belaga	0	1	0	3	6
KAPIT	0	1	0	3	6
Tatau	0	0	0	0	0
Bintulu	0	2	0	1	1
BINTULU	0	2	0	1	1
Miri	0	11	0	0	4
Marudi	0	5	0	0	5
MIRI	0	15	0	0	9
Limbang	0	1	0	3	4
Lawas	0	0	0	0	0
LIMBANG	0	1	0	4	4
<b>Sarawak</b>	<b>0</b>	<b>33</b>	<b>0</b>	<b>10</b>	<b>25</b>

### 7.3 Notified Tuberculosis (all forms) Case Classification as on 21<sup>st</sup> July 2012

District / Division	Case classification					
	Positive smear		Negative smear		Extra PTB	
	EW 29	Cum.	EW 29	Cum.	EW 29	Cum.
Lundu	3	10	0	2	0	4
Bau	0	18	0	4	0	0
Kuching	18	129	8	64	3	23
<b>KUCHING</b>	<b>21</b>	<b>157</b>	<b>8</b>	<b>70</b>	<b>3</b>	<b>27</b>
Samarahan	0	12	0	0	0	1
Asajaya	0	1	0	2	0	2
Simunjan	4	16	0	3	1	1
Serian	1	15	0	2	0	2
<b>SAMARAHAN</b>	<b>5</b>	<b>44</b>	<b>0</b>	<b>7</b>	<b>1</b>	<b>6</b>
Sri Aman	2	22	0	5	0	4
LubokAntu	1	17	0	2	0	1
<b>SRI AMAN</b>	<b>3</b>	<b>39</b>	<b>0</b>	<b>7</b>	<b>0</b>	<b>5</b>
Betong	0	16	0	1	0	0
Saratok	2	25	0	3	0	1
<b>BETONG</b>	<b>2</b>	<b>41</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>1</b>
Sarikei	6	15	1	2	0	6
Meradong	0	14	0	9	0	0
Pakan	0	3	0	2	0	1
Julau	0	6	0	4	0	0
<b>SARIKEI</b>	<b>6</b>	<b>38</b>	<b>1</b>	<b>17</b>	<b>0</b>	<b>7</b>
Daro	0	8	0	2	0	0
Matu	0	1	0	0	0	0
Dalat	0	3	0	0	0	0
Mukah	0	21	0	4		3
<b>MUKAH</b>	<b>0</b>	<b>33</b>	<b>0</b>	<b>6</b>	<b>0</b>	<b>3</b>
Sibu	0	67	0	26	0	15
Kanowit	0	14	1	4	0	5
Selangau	0	11	0	3	0	5
<b>SIBU</b>	<b>0</b>	<b>92</b>	<b>1</b>	<b>33</b>	<b>0</b>	<b>25</b>
Song	1	6	1	3	0	1
Kapit	0	13	0	4	0	7
Belaga	0	12	0	1	0	6
<b>KAPIT</b>	<b>1</b>	<b>31</b>	<b>1</b>	<b>8</b>	<b>0</b>	<b>14</b>
Tatau	1	13	1	8	0	1
Bintulu	8	49	6	31	1	4
<b>BINTULU</b>	<b>9</b>	<b>62</b>	<b>7</b>	<b>39</b>	<b>1</b>	<b>5</b>
Miri	0	112	1	30	2	14
Marudi	0	20	0	8	0	4
<b>MIRI</b>	<b>0</b>	<b>132</b>	<b>1</b>	<b>38</b>	<b>2</b>	<b>18</b>
Limbang	0	25	0	1	0	1
Lawas	0	10	0	1	0	5
<b>LIMBANG</b>	<b>0</b>	<b>35</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>6</b>
<b>Sarawak</b>	<b>47</b>	<b>704</b>	<b>19</b>	<b>231</b>	<b>7</b>	<b>117</b>

EW = Epid. Week; Cum. = Cumulative figure

#### Tuberculosis (all forms)

73 cases were reported in Epid Week 29,2012. As on 21<sup>st</sup> July 2012, the cumulative is 1052.

#### 7.4 Notified Tuberculosis (all forms) Patient Classification as on 21<sup>st</sup> July 2012.

District / Division	Patient Classification											
	Children		Health care worker				PUSPEN/Prison		Foreigner		Care Centre	
	EW 29	Cum.	*Exposed		*Not exposed		EW 29	Cum.	EW 29	Cum.	EW 29	Cum.
			EW 29	Cum.	EW 29	Cum.						
Lundu	0	0	0	0	0	0	0	0	0	1	0	0
Bau	0	0	0	0	0	0	0	0	0	0	0	0
Kuching	0	2	0	3	0	0	0	2	0	11	0	0
KUCHING	0	2	0	3	0	0	0	2	0	12	0	0
Samarahan	0	0	0	0	0	0	0	0	0	1	0	0
Asajaya	0	0	0	0	0	0	0	0	0	0	0	0
Simunjan	0	0	0	0	0	0	0	0	0	2	0	0
Serian	0	2	0	0	0	0	0	0	0	0	0	0
SAMARAHAN	0	2	0	0	0	0	0	0	0	3	0	0
Sri Aman	0	0	0	0	0	0	0	0	0	0	0	0
LubokAntu	0	1	0	0	0	0	0	0	0	0	0	0
SRI AMAN	0	1	0	0	0	0	0	0	0	0	0	0
Betong	0	0	0	0	0	0	0	0	0	9	0	0
Saratok	0	0	0	0	0	0	0	0	0	0	0	0
BETONG	0	0	0	0	0	0	0	0	0	9	0	0
Sarikei	0	0	0	0	0	0	0	0	0	2	0	0
Meradong	0	2	0	0	0	0	0	0	0	0	0	0
Pakan	0	0	0	0	0	0	0	0	0	0	0	0
Julau	0	0	0	0	0	0	0	0	0	0	0	0
SARIKEI	0	2	0	0	0	0	0	0	0	2	0	0
Daro	0	0	0	0	0	0	0	0	0	2	0	0
Matu	0	0	0	0	0	0	0	0	0	1	0	0
Dalat	0	0	0	1	0	0	0	0	0	0	0	0
Mukah	0	1	0	0	0	0	0	0	0	2	0	0
MUKAH	0	1	0	1	0	0	0	0	0	5	0	0
Sibu	0	6	0	2	0	0	0	1	0	3	0	0
Kanowit	0	0	0	0	0	0	0	0	0	1	0	0
Selangau	0	3	0	0	0	0	0	0	0	3	0	0
SIBU	0	9	0	1	0	0	0	1	0	7	0	0
Song	0	0	0	0	0	0	0	0	0	0	0	0
Kapit	0	4	0	0	0	0	0	0	0	0	0	0
Belaga	0	1	0	1	0	0	0	0	0	0	0	0
KAPIT	0	5	0	1	0	0	0	0	0	0	0	0
Tatau	0	0	0	0	0	0	0	0	0	16	0	0
Bintulu	1	7	0	0	0	0	0	0	0	14	0	0
BINTULU	1	7	0	0	0	0	0	0	0	30	0	0
Miri	0	2	0	2	0	0	0	1	0	13	0	0
Marudi	0	4	0	0	0	0	0	0	0	2	0	0
MIRI	0	6	0	2	0	0	0	1	0	15	0	0
Limbang	0	1	0	0	0	0	0	0	0	0	0	0
Lawas	0	0	0	0	0	0	0	0	0	0	0	0
LIMBANG	0	1	0	0	0	0	0	0	0	0	0	0
<b>Sarawak</b>	<b>0</b>	<b>36</b>	<b>0</b>	<b>9</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>82</b>	<b>0</b>	<b>0</b>

EW = Epid. Week; Cum. = Cumulative figure; KKM=Ministry of Health Malaysia

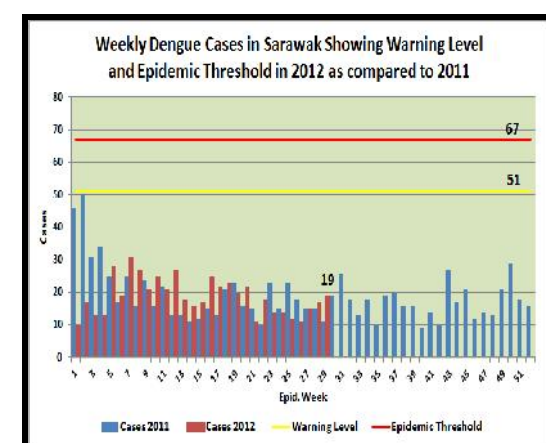
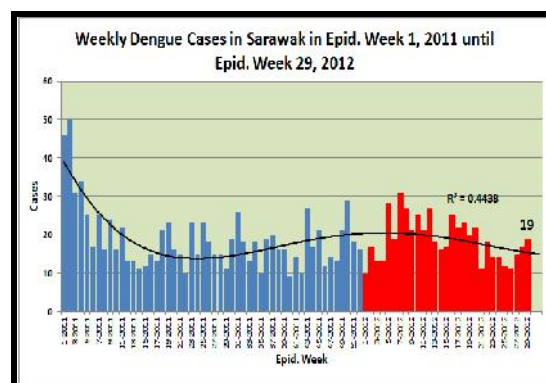
\* Possibility of exposed or not exposed to TB patient

**Figure for TB notified cases are based on registered TB cases in e-Notifikasi system.**

## 8. SURVEILLANCE REPORT ON VECTOR BORNE DISEASES

### 8.1. Notified Dengue cases for Epid. Week 29, 2012 compared to Epid. Week 29, 2011 and cumulative cases until Epid. Week 29, 2012.

District	2012		2011		Total
	EW 29	Cum.	EW 29	Cum.	
Lundu	0	6	0	7	10
Bau	0	13	0	18	36
Kuching	2	81	0	64	106
Samarahan	0	27	0	12	21
Asajaya	0	3	0	4	4
Serian	0	8	1	11	18
Simunjan	1	11	0	9	19
Sri Aman	0	21	0	27	56
Lubok Antu	0	8	0	14	23
Betong	1	27	0	9	13
Saratok	1	16	0	4	11
Sarikei	2	21	1	13	28
Meradong	1	12	0	10	14
Pakan	0	17	0	10	23
Julau	3	7	0	9	17
Daro	0	2	0	6	6
Matu	0	0	0	1	1
Dalat	0	6	0	2	3
Mukah	1	5	0	4	5
Sibu	0	28	0	51	75
Kanowit	0	5	0	17	31
Selangau	0	4	0	6	10
Song	1	8	1	9	10
Kapit	2	28	1	22	32
Belaga	0	8	0	15	27
Tatau	1	21	2	27	47
Bintulu	1	32	2	73	100
Miri	1	80	2	69	134
Marudi	1	23	0	37	59
Limbang	0	9	0	13	20
Lawas	0	9	1	5	15
<b>Sarawak</b>	<b>19</b>	<b>546</b>	<b>11</b>	<b>578</b>	<b>974</b>



In 2012, a total of 19 dengue cases were reported for Week 29 (21<sup>st</sup> July, 2012) as compared to 11 during the same period in 2011. There an increased of 2 cases from the previous week (Week 28,2012).

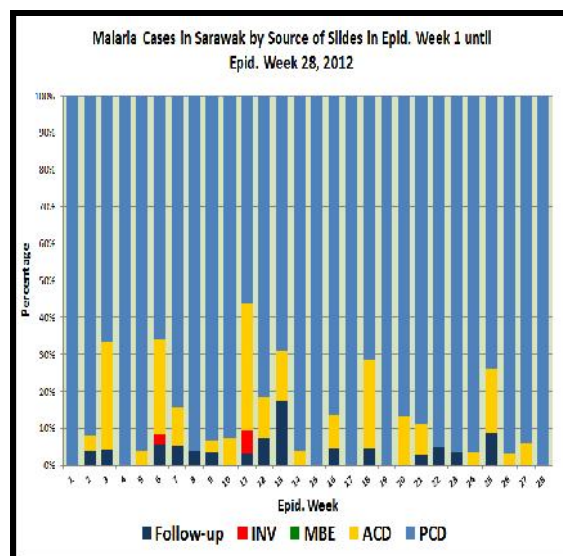
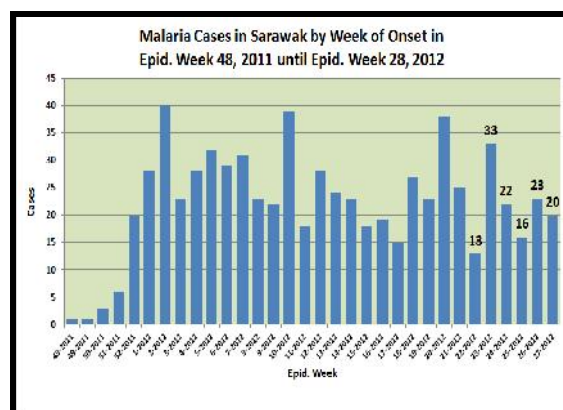
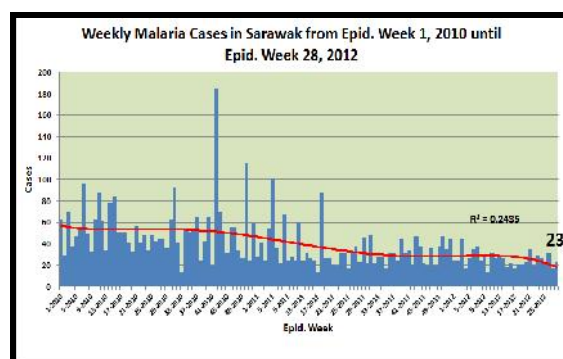
One (1) new outbreak locality reported in Julau, one outbreak locality was over from Betong and two (2) outbreak localities still active reported, in Samarahan and Miri.

EW = Epid. Week; Cum. = Cumulative figure



**8.2. Notified Malaria cases for Epid. Week 28, 2012 compared to Epid. Week 28, 2011 and cumulative cases until Epid. Week 28 in 2012.**

District	2012		2011		Total
	EW 28	Cum.	EW 28	Cum.	
Lundu	0	9	1	22	33
Bau	0	0	0	3	5
Kuching	0	14	0	12	23
Samarahan	0	3	0	2	3
Asajaya	0	0	0	0	1
Serian	0	3	0	15	21
Simunjan	0	2	0	2	2
Sri Aman	0	8	0	7	17
Lubok Antu	0	19	0	11	25
Betong	2	30	1	16	47
Saratok	0	12	0	1	3
Sarikei	0	11	1	14	16
Meradong	0	2	1	6	9
Pakan	0	28	0	11	29
Julau	2	37	5	39	69
Daro	0	3	0	1	2
Matu	0	1	0	0	2
Dalat	0	3	0	5	10
Mukah	0	2	0	2	2
Sibu	2	41	1	23	52
Kanowit	2	34	1	52	89
Selangau	0	14	0	6	16
Song	0	40	0	30	78
Kapit	5	103	3	115	230
Belaga	0	42	4	75	139
Tatau	1	12	2	19	34
Bintulu	0	12	1	24	39
Miri	0	18	0	18	40
Marudi	7	164	1	423	670
Limbang	1	15	1	10	21
Lawas	1	38	0	21	34
<b>Sarawak</b>	<b>23</b>	<b>720</b>	<b>23</b>	<b>985</b>	<b>1761</b>



A total of 23 cases were reported on week 28, 2012. Cumulative cases till week 28 were 720 cases. Of the 720 cases, 164 cases (23%) from Marudi District, 103 cases (14%) from Kapit District and 42 cases (6%) Belaga District.

Notes: 1) EW = Epid. Week; Cum. = cumulative figure; 2) All Malaria cases should be notified within 24 hours (Source: Vector Borne Disease Control Section, Sarawak Health Department)

### 8.2.1. Malaria cases by slide source

Slides source	2012	
	EW 28	Cum.
Passive Case Detection (PCD)	23	624
Active Case Detection (ACD)	0	67
Investigation slides ( INV)	0	3
Mass Blood Survey (MBS)	0	2
Follow-up	0	24
<b>Total</b>	<b>23</b>	<b>720</b>

### 8.2.2. Malaria cases by species

Species	2012	
	EW 28	Cum.
<i>P. vivax</i>	9	233
<i>P. falciparum</i>	1	43
<i>P. malariae</i>	0	4
<i>P. knowlesi</i>	13	435
<i>P. ovale</i>	0	4
Mixed	0	1
<b>Total</b>	<b>9</b>	<b>233</b>

### 8.2.3. Malaria cases by case classification

Classification	2012	
	EW 28	Cum.
Indigenous	19	571
*Imported A	3	113
Relapsed	1	36
Congenital	0	0
<b>Total</b>	<b>23</b>	<b>720</b>

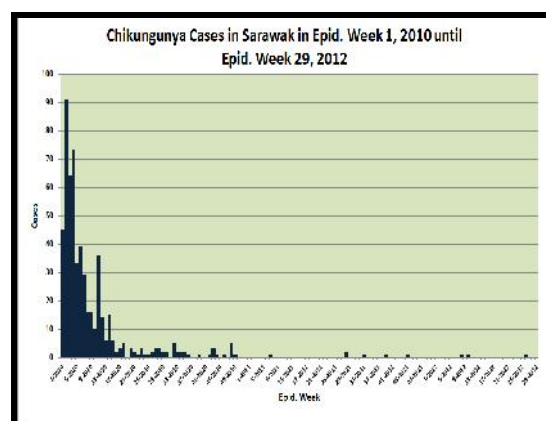
### 8.2.4. The summary of the \*Imported A cases

No.	District reported	Source of infection	Nationality	Age	Gender	Species
1	Kapit	Sertawan Limited, New Island Province, PNG	Malaysian	43	Male	<i>P. Vivax</i>
2	Sibu	KKB Rimbunan Hijau, PNG	Malaysian	51	Male	<i>P. Falciparum</i>
3	Sibu	KKB Rimbunan Hijau, PNG	Malaysian	48	Male	<i>P. Vivax</i>

**KKB** = Kem Kayu Balak (Logging Camp)

**8.3. Notified Chikungunya cases for Epid. Week 29, 2012 compared to Epid. Week 29, 2011 and cumulative cases until Epid. Week 29 in 2012.**

District	2012		2011		Total
	EW 29	Cum.	EW 29	Cum.	
Lundu	0	0	0	0	0
Bau	0	0	0	0	0
Kuching	0	0	0	1	1
Samarahan	0	0	0	0	0
Asajaya	0	1	0	0	1
Serian	0	0	0	1	1
Simunjan	0	0	0	0	0
Sri Aman	0	0	0	0	0
Lubok Antu	0	0	0	0	0
Betong	0	0	0	1	1
Saratok	0	0	0	0	0
Sarikei	0	0	0	0	0
Meradong	0	0	0	0	0
Pakan	0	0	0	0	0
Julau	0	0	0	0	0
Daro	0	0	0	0	1
Matu	0	0	0	0	0
Dalat	0	0	0	0	0
Mukah	0	0	0	0	0
Sibu	0	0	0	0	0
Kanowit	0	0	0	0	0
Selangau	0	0	0	0	0
Song	0	1	0	0	0
Kapit	0	0	0	0	0
Belaga	0	1	0	0	0
Tatau	0	0	0	0	0
Bintulu	0	0	0	0	0
Miri	0	0	0	0	0
Marudi	0	0	0	0	1
Limbang	0	0	0	0	0
Lawas	0	0	0	0	0
<b>Sarawak</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>3</b>	<b>6</b>



**Chikungunya**

No case of Chikungunya was reported in week 29, 2012. During the same period in 2011, no case was reported. The cumulative case of Chikungunya for 2012 is remain as 3.

EW = Epid. Week; Cum. = Cumulative figure



#### **8.4. Filariasis**

No case reported. During the same period in 2011, no case was reported. The cumulative cases of Filariasis for 2012 are 10.

#### **8.5 Japanese Encephalitis (JE)**

No case reported. During the same period in 2011, no case was reported. The cumulative cases of Japanese Encephalitis for 2012 are 4.

### **9. SURVEILLANCE REPORT ON OTHER INFECTIOUS DISEASES**

#### **9.1. Viral Encephalitis**

No case reported. As at 21<sup>st</sup> July 2012, only one case of Viral Encephalitis reported.

#### **9.2. Viral Hepatitis (all form)**

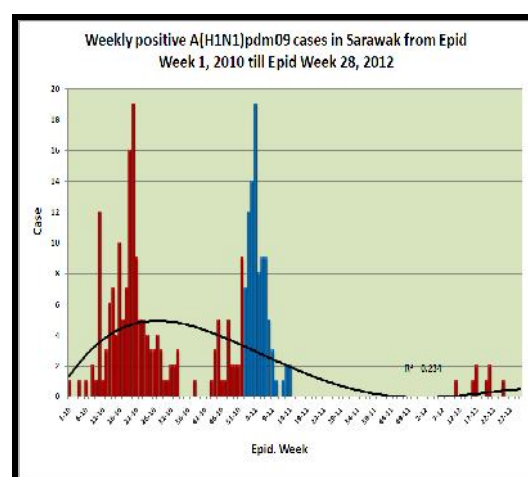
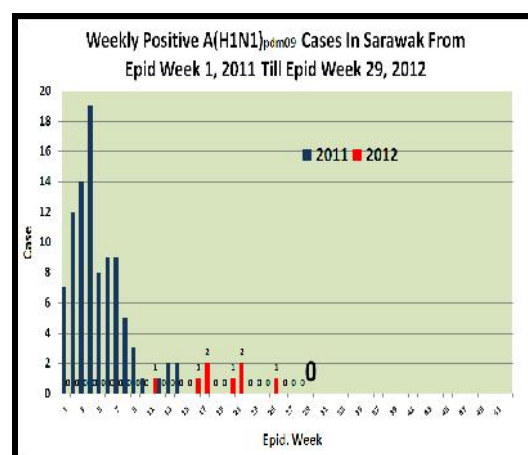
No case reported. As at 21<sup>st</sup> July 2012, out of 72 cases reported, two are Hepatitis A, 15 Acute Hepatitis B, 37 Chronic Hepatitis B, seven Acute Hepatitis C and 22 Chronic Hepatitis C .

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

### 10.1. A/H1N1<sub>pdm09</sub>

**10.1.1 Positive Pandemic Influenza A/H1N1<sub>pdm09</sub> as for Epid. Week 29, 2012 compared to Epid. Week 29, 2011 and cumulative cases until Epid. Week 29 in 2012.**

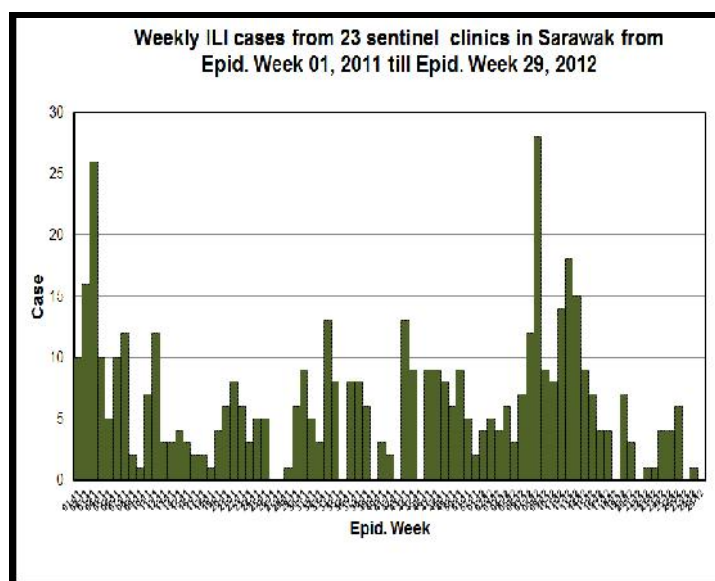
District	2012		2011		Total
	EW 29	Cum.	EW 29	Cum.	
Lundu	0	0	0	2	2
Bau	0	0	0	0	0
Kuching	0	2	0	51	51
Samarahan	0	0	0	0	0
Simunjan	0	0	0	0	0
Serian	0	0	0	0	0
Sri Aman	0	0	0	0	0
Lubok Antu	0	0	0	0	0
Betong	0	0	0	1	1
Saratok	0	0	0	0	0
Sarikei	0	0	0	0	0
Meradong	0	0	0	0	0
Julau	0	0	0	0	0
Daro	0	0	0	0	0
Dalat	0	0	0	0	0
Mukah	0	0	0	0	0
Sibu	0	0	0	1	1
Kanowit	0	0	0	0	0
Song	0	0	0	0	0
Kapit	0	0	0	0	0
Belaga	0	1	0	2	2
Tatau	0	1	0	0	0
Bintulu	0	4	0	26	26
Miri	0	0	0	6	6
Marudi	0	0	0	0	0
Limbang	0	0	0	2	2
Lawas	0	0	0	1	1
<b>SARAWAK</b>	<b>0</b>	<b>8</b>	<b>0</b>	<b>92</b>	<b>92</b>



No positive case reported in Epid. Week 29, 2012. Total positive cases in 2012 remain as eight.

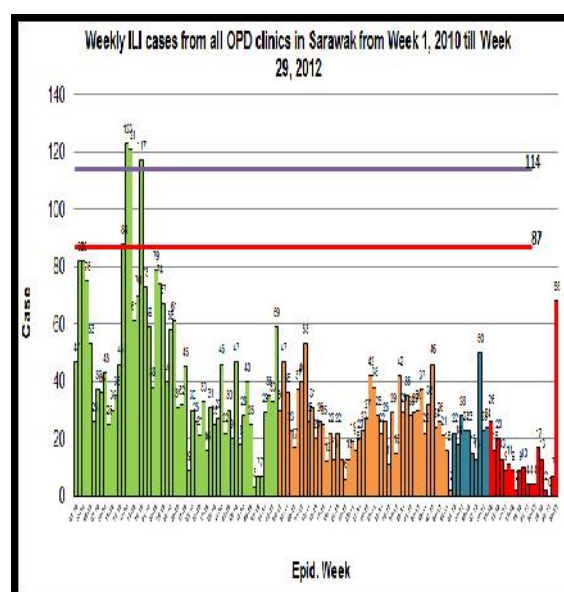
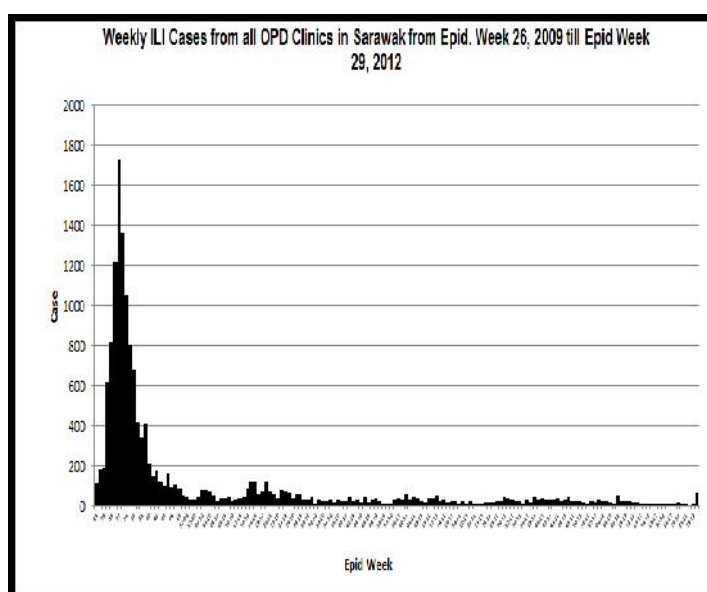
EW = Epid. Week; Cum. = cumulative figure

### 10.1.2 Outpatient Influenza-Like Illness (ILI) Surveillance from Epid.Week 1 in 2010 till Epid. Week 29 in 2012.



In Epid. Week 29, 2012, one case of ILI reported from 22 Sentinel clinics and 68 cases from OPD clinics.

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

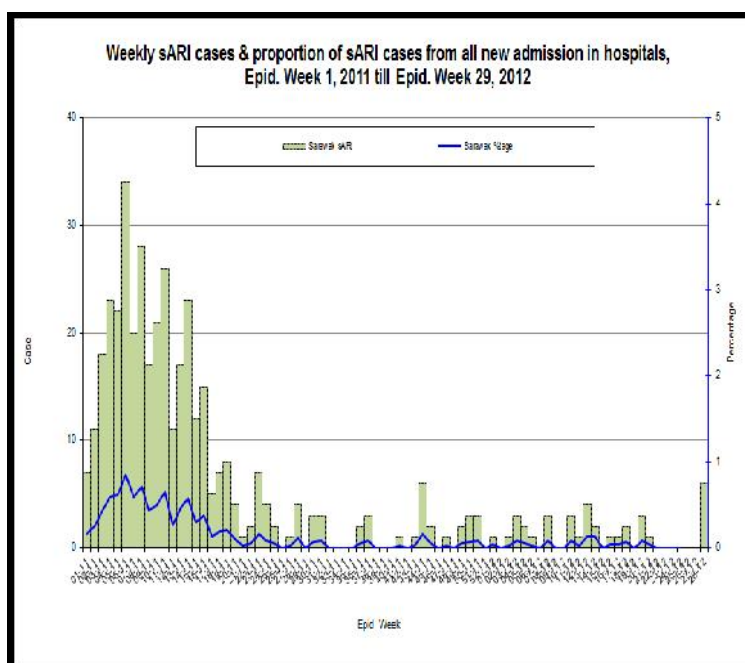


Referring to a letter dated 25 January 2011 from Office of the Deputy Director-General of Health (Public Health), Department of Public Health, Ministry of Health Malaysia about **PEMANTAUAN AKTIVITI A/H1N1pdm09 SECARA BERTERUSAN**, all PKB/PKD must send their daily H1N1 report as well as ILI and sARI surveillance activities to Operations Room, CPRC Unit, CDC Section, Sarawak Health Department **BEFORE 10.00 am every day**.

### 10.1.3. New and Cumulative ILI Clusters as of 21<sup>st</sup> July 2012.

One ILI outbreak in PULAPOL was notified by Sarawak General Hospital after four trainees admitted with signs and symptoms of ILI. Samples were positive for leptospirosis.

#### 10.1.4. 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)

#### 10.1.5. Weekly Summary Report on sARI Admission in Government Hospitals in Sarawak as on 21<sup>st</sup> July 2012.

Division	Hospital	New EW 29	Cumulative 2012	No. of Inpatient			No. of Patient on Ventilator	Throat swabs		
				ICU	ISO	Other wards		Positive	Pending	Negative
Kuching	SGH Kuching	4	37	0	0	4	0	0	0	0
	Bau	0	1	0	0	0	0	0	0	0
	Lundu	0	0	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	0	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	35	0	0	2	0	0	0	0
Miri	Miri	0	1	0	0	0	0	0	0	0
	Marudi	0	0	0	0	0	0	0	0	0
Limbang	Limbang	0	0	0	0	0	0	0	0	0
	Lawas	0	0	0	0	0	0	0	0	0
Total		4	75	0	0	6	0	0	0	0

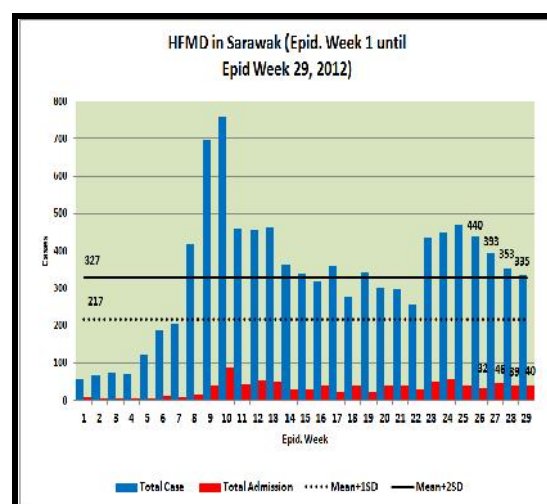
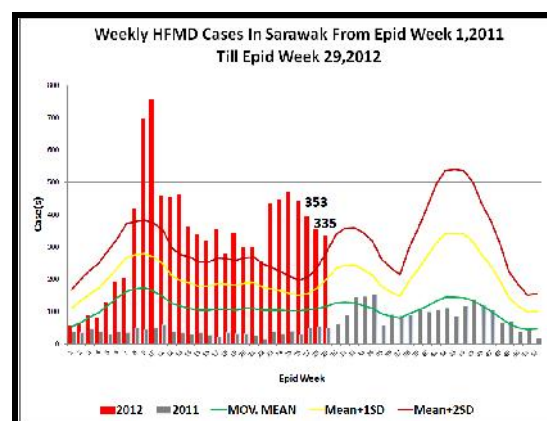
EW = Epid. Week; Cum. = Cumulative figure

Four sARI cases reported in Epid Week 29, 2012 all from SGH Kuching(4) Hospital.



**10.2. Notified HFMD (masterlist) cases for Epid. Week 29, 2012 compared to Epid. Week 29, 2011 and cumulative cases in Epid. Week 29, 2011.**

District / Division	2012		2011		Total
	EW 29	Cum.	EW 29	Cum.	
Lundu	1	209	3	11	31
Bau	8	290	1	20	149
Kuching	81	2780	7	176	602
<b>KUCHING</b>	<b>90</b>	<b>3279</b>	<b>11</b>	<b>207</b>	<b>782</b>
Samarahan	15	559	6	38	127
Asajaya	3	68	1	19	35
Simunjan	2	172	0	2	19
Serian	24	559	0	5	39
<b>SAMARAHAN</b>	<b>44</b>	<b>1358</b>	<b>7</b>	<b>64</b>	<b>220</b>
Sri Aman	11	367	3	33	97
Lubok Antu	2	71	2	7	18
<b>SRI AMAN</b>	<b>13</b>	<b>438</b>	<b>5</b>	<b>40</b>	<b>115</b>
Betong	7	274	0	29	57
Saratok	8	177	0	23	37
<b>BETONG</b>	<b>15</b>	<b>451</b>	<b>0</b>	<b>52</b>	<b>94</b>
Sarikei	12	363	1	75	188
Meradong	21	101	0	22	73
Pakan	2	69	1	4	7
Julau	2	118	1	4	32
<b>SARIKEI</b>	<b>37</b>	<b>651</b>	<b>3</b>	<b>105</b>	<b>300</b>
Daro	2	85	0	0	7
Matu	2	70	0	0	4
Dalat	3	98	0	16	84
Mukah	3	120	0	35	42
<b>MUKAH</b>	<b>10</b>	<b>373</b>	<b>0</b>	<b>51</b>	<b>137</b>
Sibu	34	513	1	56	149
Kanowit	1	41	0	17	6
Selangau	1	26	1	2	22
<b>SIBU</b>	<b>36</b>	<b>580</b>	<b>2</b>	<b>75</b>	<b>177</b>
Song	0	33	0	10	12
Kapit	14	324	0	49	64
Belaga	7	62	0	5	55
<b>KAPIT</b>	<b>21</b>	<b>419</b>	<b>0</b>	<b>64</b>	<b>131</b>
Tatau	0	91	0	16	25
Bintulu	14	721	8	190	25
<b>BINTULU</b>	<b>14</b>	<b>812</b>	<b>8</b>	<b>206</b>	<b>772</b>
Miri	39	874	0	108	324
Marudi	8	81	1	39	49
<b>MIRI</b>	<b>47</b>	<b>955</b>	<b>1</b>	<b>147</b>	<b>373</b>
Limbang	8	384	0	8	65
Lawas	0	91	0	1	4
<b>LIMBANG</b>	<b>8</b>	<b>475</b>	<b>0</b>	<b>9</b>	<b>69</b>
<b>SARAWAK</b>	<b>335</b>	<b>9791</b>	<b>37</b>	<b>1020</b>	<b>3170</b>



A total of 335 HFMD cases reported in Epid. Week 29, 2012 compared to only 27 cases during the same period in 2011.

The top five districts with the highest total number of reported cases in 2012 were:

1. Kuching
2. Samarahan
3. Miri
4. Bintulu
5. Sarikei

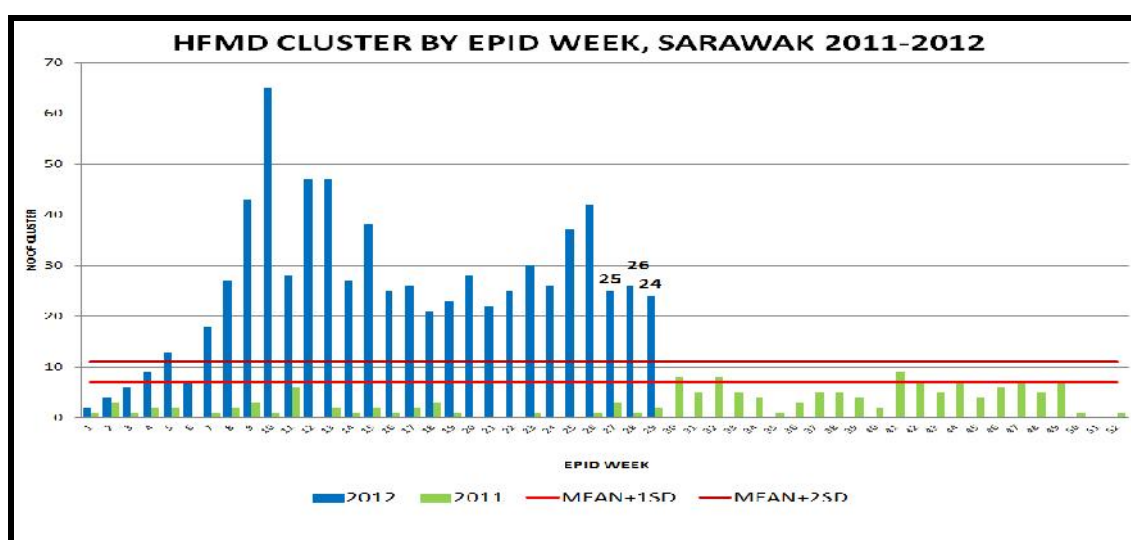
EW = Epid. Week; Cum. = Cumulative figure

**10.2.1 Comparison of total number of notified HFMD cases and registered HFMD cases in e-Notifikasi system by district as at 21<sup>st</sup> July 2012.**

District	Masterlist		Registered Case		Back Log	
	EW 29	Total	EW 29	Total	EW 29	Total
Kuching	81	2780	36	2735	45	45
Bau	8	290	8	290	0	0
Lundu	1	209	1	209	0	0
<b>KUCHING</b>	<b>90</b>	<b>3279</b>	<b>45</b>	<b>3234</b>	<b>45</b>	<b>45</b>
Samarahan	15	559	0	501	15	58
Asajaya	3	68	2	67	1	1
Simunjan	2	172	0	136	2	36
Serian	24	559	21	556	3	3
<b>SAMARAHAN</b>	<b>44</b>	<b>1358</b>	<b>23</b>	<b>1260</b>	<b>21</b>	<b>98</b>
Sri Aman	11	367	4	360	21	7
Lubok Antu	2	71	0	67	7	4
<b>SRI AMAN</b>	<b>13</b>	<b>438</b>	<b>4</b>	<b>427</b>	<b>28</b>	<b>11</b>
Betong	7	274	0	249	7	25
Saratok	8	177	0	159	8	18
<b>BETONG</b>	<b>15</b>	<b>451</b>	<b>0</b>	<b>408</b>	<b>15</b>	<b>43</b>
Sarikei	12	363	0	297	12	66
Meradong	21	101	0	57	21	44
Pakan	2	69	0	66	2	3
Julau	2	118	0	104	2	14
<b>SARIKEI</b>	<b>37</b>	<b>651</b>	<b>0</b>	<b>524</b>	<b>37</b>	<b>127</b>
Daro	2	85	0	78	2	7
Matu	2	70	0	23	2	47
Mukah	3	120	0	117	3	3
Dalat	3	98	0	70	3	28
<b>MUKAH</b>	<b>10</b>	<b>373</b>	<b>0</b>	<b>288</b>	<b>10</b>	<b>85</b>
Sibu	34	513	34	513	0	0
Selangau	1	26	1	26	0	0
Kanowit	1	41	0	27	1	14
<b>SIBU</b>	<b>36</b>	<b>580</b>	<b>35</b>	<b>566</b>	<b>1</b>	<b>14</b>
Kapit	14	324	0	98	14	226
Song	0	33	0	33	0	0
Belaga	7	62	0	35	7	27
<b>KAPIT</b>	<b>21</b>	<b>419</b>	<b>0</b>	<b>166</b>	<b>21</b>	<b>253</b>
Bintulu	14	721	0	647	14	74
Tatau	0	91	0	76	0	15
<b>BINTULU</b>	<b>14</b>	<b>812</b>	<b>0</b>	<b>723</b>	<b>14</b>	<b>89</b>
Miri	39	874	0	711	39	163
Marudi	8	81	0	40	8	41
<b>MIRI</b>	<b>47</b>	<b>955</b>	<b>0</b>	<b>751</b>	<b>47</b>	<b>204</b>
Limbang	8	384	3	379	5	5
Lawas	0	91	0	78	0	13
<b>LIMBANG</b>	<b>8</b>	<b>475</b>	<b>3</b>	<b>457</b>	<b>5</b>	<b>18</b>
<b>SARAWAK</b>	<b>335</b>	<b>9791</b>	<b>110</b>	<b>8804</b>	<b>244</b>	<b>987</b>

### 10.2.2. HFMD Clusters and closure

Division	Cluster		Closure	
	EW29	Cum	EW29	Cum
Kuching	3	288	0	59
Samarahan	1	87	0	14
Sri Aman	1	9	0	0
Betong	0	38	0	10
Sarikei	7	81	2	26
Mukah	2	33	1	6
Sibu	0	43	0	0
Kapit	2	12	0	0
Bintulu	1	41	1	8
Miri	4	67	0	2
Limbang	3	67	0	5
<b>Sarawak</b>	<b>24</b>	<b>766</b>	<b>4</b>	<b>130</b>





**10.3. Notified Leptospirosis cases for Epid. Week 29, 2012 compared to Epid. Week 29, 2011 and cumulative cases till Epid. Week 29 in 2012.**

District / Division	Case classification				Total		
	Confirmed		Probable		2012	2011	2010
	EW (29) 2012	EW (29) 2011	EW (29) 2012	EW (29) 2011			
Lundu	0	0	0	0	2	7	0
Bau	0	0	1	0	4 (1)	4 (1)	1
Kuching	0	0	11	0	40 (1)	40 (2)	12
<b>KUCHING</b>	<b>0</b>	<b>0</b>	<b>12</b>	<b>0</b>	<b>46 (2)</b>	<b>51 (3)</b>	<b>13</b>
Samarahan	0	0	0	0	5	3	1
Asajaya	0	0	0	0	0	3	0
Simunjan	0	0	3	0	4	8 (1)	1
Serian	0	0	0	0	2	10 (2)	2
<b>SAMARAHAN</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>11</b>	<b>24 (2)</b>	<b>4</b>
Sri Aman	0	0	0	1	8	13 (2)	1
Lubok Antu	0	0	0	1	11	11	3 (1)
<b>SRI AMAN</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>19</b>	<b>24 (2)</b>	<b>4 (1)</b>
Betong	0	0	1	0	5	5 (1)	0
Saratok	0	1	0	0	0	5	0
<b>BETONG</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>5</b>	<b>10 (1)</b>	<b>0</b>
Sarikei	0	0	0	0	2	1	1
Meradong	0	0	0	0	2	24	1
Pakan	0	0	0	0	2	3	1
Julau	0	0	0	0	1	0	1
<b>SARIKEI</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>7</b>	<b>28</b>	<b>4</b>
Daro	0	0	0	0	0	1 (1)	1
Malu	0	0	0	0	0	0	0
Dalat	0	0	0	0	0	0	0
Mukah	0	1	0	0	0	3	1
<b>MUKAH</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4 (1)</b>	<b>2</b>
Sibu	0	0	0	0	1	2	6
Kanowit	0	0	0	0	1	4	1
Selangau	0	0	0	0	2	3	0
<b>SIBU</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>9</b>	<b>7</b>
Song	0	0	0	0	1	1	2
Kapit	0	0	0	0	23	12	1
Belaga	0	1	0	0	3	7 (1)	0
<b>KAPIT</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>27</b>	<b>20 (1)</b>	<b>3</b>
Tatau	0	0	0	0	2	1	0
Bintulu	0	0	0	0	6	11 (3)	6
<b>BINTULU</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>8</b>	<b>12 (3)</b>	<b>6</b>
Miri	0	0	0	0	4	12	3
Marudi	0	0	0	0	2	2	2
<b>MIRI</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>6</b>	<b>14</b>	<b>5</b>
Limbang	0	0	0	0	13 (1)	2 (1)	1
Lawas	0	0	0	0	0	0	0
<b>LIMBANG</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>13 (1)</b>	<b>2 (1)</b>	<b>1</b>
<b>SARAWAK</b>	<b>0</b>	<b>3</b>	<b>16</b>	<b>2</b>	<b>146 (3)</b>	<b>198 (15)</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**



### 10.3.1 Locality of Leptospirosis Cluster in Sarawak Epid. Week 1 until Epid. Week 29, 2012

No.	District	Locality	Number of Cases	Outbreak Declared
1	Kuching/Kota Belud	Kem Semenggo/Kem Paradise	13	20/02/2012
2	Limbang	Setuan, Tapak Kajian Pembinaan Empangan Baru	4	22/02/2012
3	Samarahan	Kpg. Entingan, Samarahan	2	08/06/2012
4	Meradong	Ulu Sg. Sebuloh	2	19/06/2012
5	Kuching	Pusat Latihan Polis (PULAPOL), Jalan Puncak Borneo, Kuching	8	12/07/2012

#### 10.4. Notified Melioidosis cases for Epid. Week 29, 2011 compared to Epid. Week 29, 2011 and cumulative cases until Epid. Week 29, 2012

District / Division	Case classification				Total		
	Confirmed		Probable		2012	2011	2010
	EW (29) 2012	EW (29) 2011	EW (29) 2012	EW (29) 2011			
Lundu	0	0	0	0	0	0	0
Bau	0	0	0	0	0	1	0
Kuching	0	0	0	0	1	4	12 (1)
<b>KUCHING</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>5</b>	<b>12 (1)</b>
Samarahan	0	0	0	0	0	0	0
Asajaya	0	0	0	0	0	0	0
Simunjan	0	0	0	0	0	0	0
Serian	0	0	0	0	0	2 (1)	1 (1)
<b>SAMARAHAN</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>1 (1)</b>
Sri Aman	0	0	0	0	0	3	0
Lubok Antu	0	0	0	0	1	1	0
<b>SRI AMAN</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>4</b>	<b>0</b>
Betong	0	0	0	0	0	0	2
Saratok	0	0	0	0	0	0	1 (1)
<b>BETONG</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3 (1)</b>
Sarikei	0	0	0	0	0	0	2
Meradong	0	0	0	0	0	0	2
Pakan	0	0	0	0	0	0	0
Julau	0	0	0	0	0	0	2
<b>SARIKEI</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>6</b>
Daru	0	0	0	0	0	0	0
Matu	0	0	0	0	0	0	0
Dalat	0	0	0	0	0	0	1
Mukah	0	0	0	0	0	2	3 (1)
<b>MUKAH</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>4 (1)</b>
Sibu	0	0	0	0	0	1	5 (1)
Kanowit	0	0	0	0	0	1	1
Selangau	0	0	0	0	1 (1)	4	6 (2)
<b>SIBU</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>6</b>	<b>12 (3)</b>
Song	0	0	0	0	0	1	7 (2)
Kapit	0	0	0	2	2	62 (3)	162 (1)
Belaga	0	0	0	0	0	21 (4)	28 (1)
<b>KAPIT</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>2</b>	<b>84 (7)</b>	<b>197 (4)</b>
Tatau	0	0	0	0	0	4 (1)	14 (4)
Bintulu	0	0	0	0	0	6	49 (1)
<b>BINTULU</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>10 (1)</b>	<b>63 (5)</b>
Miri	0	0	0	0	1	7 (2)	35 (1)
Marudi	0	0	0	0	0	1	7
<b>MIRI</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>8 (2)</b>	<b>42 (1)</b>
Limbang	0	0	0	0	0	0	2
Lawas	0	0	0	0	0	0	1 (1)
<b>LIMBANG</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3 (1)</b>
<b>SARAWAK</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>6 (1)</b>	<b>121 (11)</b>	<b>343 (18)</b>

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

##### 10.4.1 Melioidosis Death case (Positive) 2012

No.	# District	® Hospital	Age	Race	Gender	Date Of Death	Concurrent Medical Illness	Occupation
1	Selangau	Sibu	48	Iban	Female	09/02/12	DM, HPT & Asthma	Farmer

\* SGH = Sarawak General Hospital

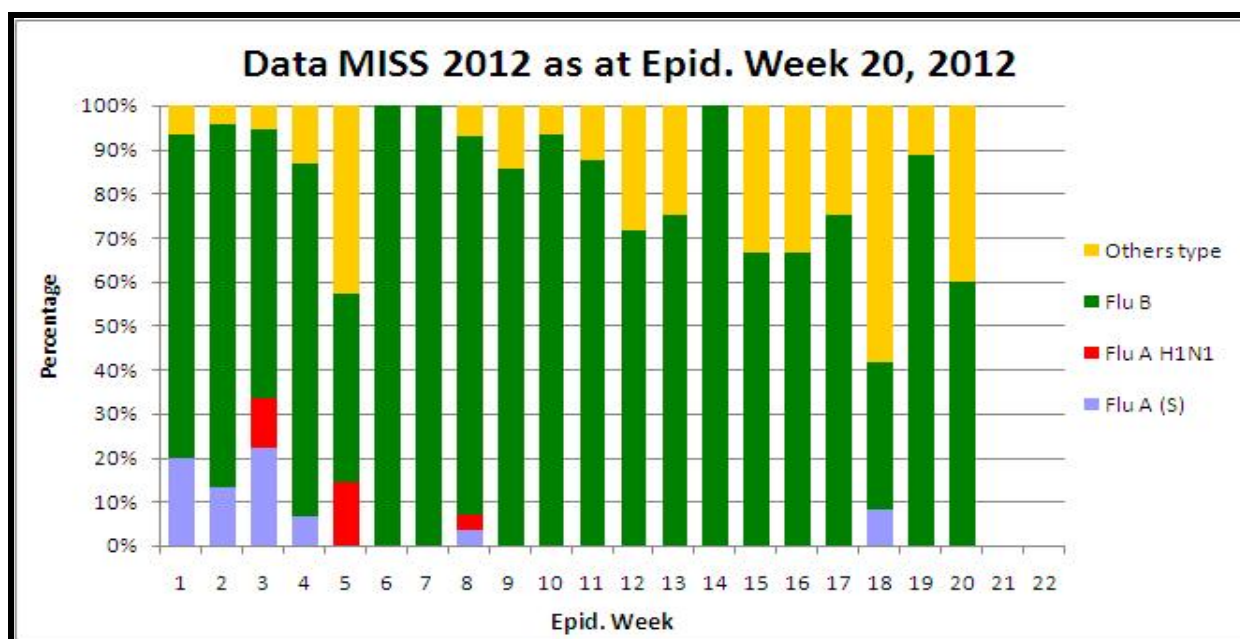
Note

: # District indicate patient's current place of residence or workplace

® Hospital indicate facility where patient admitted

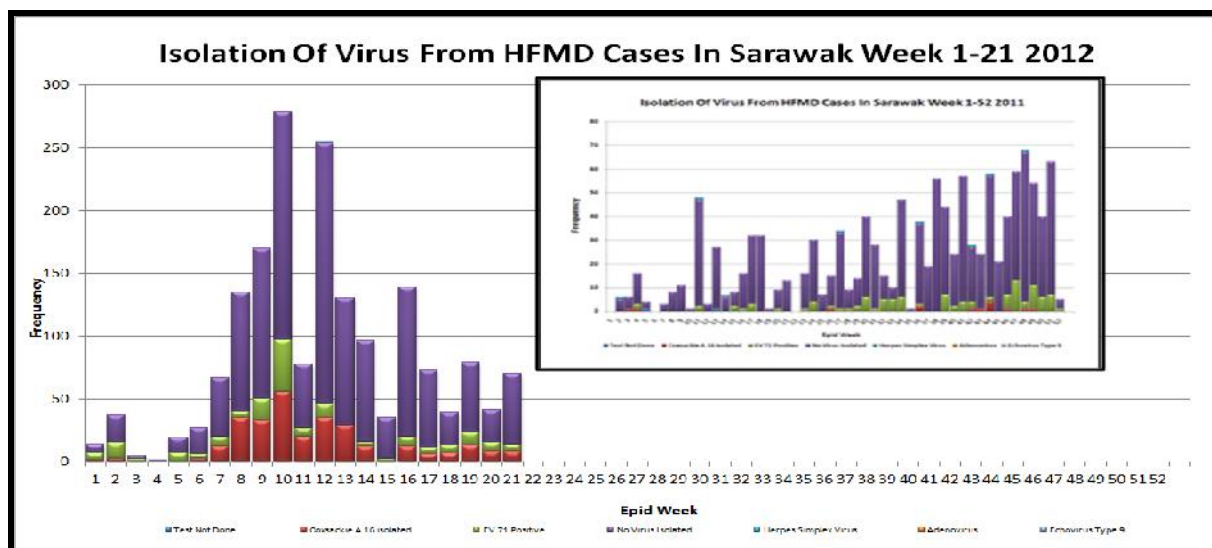
## 11. LABORATORY BASED SURVEILLANCE

### 11.1. Malaysia Influenza Surveillance System (MISS) (not included Sabah\*) from Epid Week 1 till Epid Week 20, 2012.

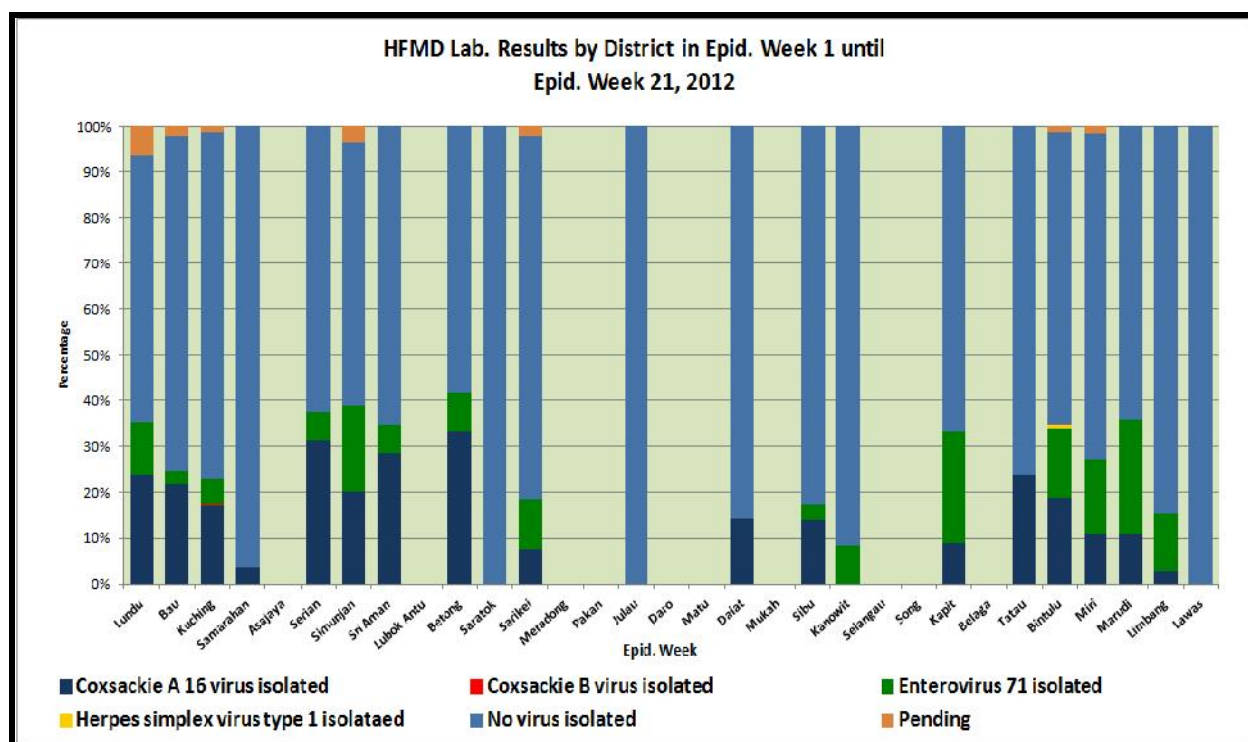


\* specimen from Sabah were analysed at MKAK Kota Kinabalu, Sabah.

### 11.3. Laboratory Based Surveillance HFMD, EW 1- EW 21, 2012 compared to 2011 in Sarawak.



As of 20<sup>th</sup> July, 2012, 1824 HFMD samples sent to MKAK Sg Buloh. Out of this, 1794 samples with result and another 30 still pending. A total of 465 (25.9%) virus isolated of which 292 Coxsackie A16 (62.8%), 171 EV 71 (36.8%), one Coxsackie B (0.2%) and one Herpes Simplex Type 1 (0.2%)



## Appendix 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> March 2012):

No.	Name/Designation	Office address	E-mail address	Tel. / Fax / Handphone number
1	<b>Ketua Penolong Pengarah Kanan</b> Dr. Razitasham Safii	Seksyen Kawalan Penyakit Berjangkit, Jabatan Kesihatan Negeri Sarawak,	razitasham@srwk.moh.gov.my	Tel: 082-421442 Fax: 082-234571 Hp: 013-8047635
2	<b>Ketua Penolong Pengarah</b> Dr. Noorzilawati Sahak	Seksyen Kawalan Penyakit Berjangkit, Jabatan Kesihatan Negeri Sarawak.	drnoorzila@gmail.com noorzilawati.s@srwk.moh.gov.my	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 Aduce, 93250 KUCHING.	kamarudinl@srwk.moh.gov.my	Tel: 082-238635/257867 Fax: 082-414542/250037 Hp: 013-8014332
4	<b>Pegawai Epidemiologi Bahagian</b> Bahagian Kuching Dr. Ruziana Miss	Pejabat Kesihatan Bahagian, Bahagian Kuching, Jalan Tun Ahmad Zaidi Aduce, 93250 KUCHING.	ruziana.m@srwk.moh.gov.my	Tel: 082-238635/257867 Fax: 082-414542/250037 Hp: 019-8356456
5	<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
6	<b>Pegawai Kesihatan Bahagian</b> Bahagian Sri Aman Dr. Musalnizan bt Mustalkan	Pejabat Kesihatan Bahagian, Bahagian Sri Aman, Tingkat 3, Wisma Persekutuan, Jalan Hospital 95007 SRI AMAN.	musalnizan@yahoo.com	Tel: 083-332176 Fax: 083-322058 Hp: 013-8187779
7	<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
8	<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
9	<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
10	<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
11	<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
12	<b>Pegawai Kesihatan Bahagian</b> Bahagian Bintulu Dr. Mohd Nasir Habib	Pejabat Kesihatan Bahagian, Bahagian Bintulu, Lebuhraya Abang Galau, 97000 BINTULU.	habibmnasir@gmail.com	Tel: 086-331455 Fax: 086-661814 Hp: 013-3440575
13	<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
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15	<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.