



# SARAWAK WEEKLY EPID NEWS

Sarawak Health Department

EPID. WEEK 45

4<sup>th</sup> – 10<sup>th</sup> November 2012

## INFECTIOUS DISEASE/CRISIS HIGHLIGHTS IN SARAWAK

Dengue Outbreak

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**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	Rubella	Miri	SMK. Suai Niah	5	6 <sup>th</sup> November 2012
2	Dengue	Meradong	Rh. Patsy Sellah	2	4 <sup>th</sup> November 2012
3		Pakan	Rh. Anthony, Sg. Dayu	2	9 <sup>th</sup> November 2012

### 3. SUMMARY OF MANDATORY NOTIFIABLE DISEASES REPORTED IN EPID. WEEK 45, 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											5										2						
Bau						1				1	4																
Kuching						3				3	47								4		1						1
Samarahan						1					3								1								1
Asajaya										3																	
Simunjan											4																
Serian											6																
Sri Aman						7					1																
L/ Antu						4													1								
Betong						0					4		4								3						
Saratok						2					7		1						1		1						
Sarikei						2																					
Meradong						7					2		1														
Pakan						3					1		3														
Julau						3					1		5														
Daro																											
Matu																											
Dalat											2																
Mukah																					9						
Sibu						7				5	8		1						3		5						
Kanowit											1										2						
Selangau						1					2										3						
Song						2							1														
Kapit						2							7								5						
Belaga						1					3		6								3						
Tatau	2/1					1															1						
Bintulu	1/5					2					1										7						
Miri											22		1								7						
Marudi						1							6								12						
Limbang						1							2								5						
Lawas	2/0					2					4		1						2		1						
TOTAL (Week 45)	5/6	0	0	0	0	53	0	0	0	12	128	0	39	0	0	0	0	0	12	0	67	0	0	0	0	0	2
Total (2012)	133/87	0	0	111	0	1168	16	0	1447	412	12761	35	1329	13	160	0	0	0	232	1	1838	23	0	111	1	0	249
Total (2011)	164/82	0	0	252	0	974	9	0	1323	445	3170	25	1761	37	335	0	0	0	194	1	1707	6	0	137	25	0	186
Total (2010)	141/113	0	0	0	0	4240	62	0	1299	437	4987	22	2802	10	132	0	0	0	230	1	1639	27	0	35	2	0	49
Total (2009)	143/89	0	1	0	0	4564	82	0	1223	438	9655	15	2158	4	56	0	0	0	339	0	1689	24	1	169	10	0	73

\* 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. Cumulative cases from Epid Week 1-45, 2012

Division	Food poisoning outbreak	Dysentery		Typhoid & paratyphoid fever		Cholera	Hepatitis A	
		S	C	S	C		S	C
Kuching	12	18	3	14	3	0	0	2
Samarahan	9	9	0	1	0	0	0	0
Sri Aman	2	1	0	0	3	0	0	0
Betong	5	4	5	1	1	0	0	0
Sarikei	6	24	5	7	8	0	0	0
Sibu	5	5	1	2	0	0	0	1
Kapit	4	7	0	32	5	0	0	0
Mukah	4	1	2	2	3	0	0	0
Bintulu	3	11	0	0	0	111	0	0
Miri	14	4	0	0	0	0	0	0
Limbang	3	1	0	0	0	0	0	0
<b>Sarawak</b>	<b>67</b>	<b>85</b>	<b>16</b>	<b>59</b>	<b>23</b>	<b>111</b>	<b>0</b>	<b>3</b>

Note: S = Suspected; C = Confirmed

##### Note:

- Food poisoning outbreak:
  - o Six (6) were related to Susu 1 Malaysia
  - o Seven were related to mushroom poisoning.
- Dysentery cases; aetiological agents:
  - o *Enteropathogenic e coli* (Kuching-2, Mukah and Sarikei),
  - o *Shewanella putrefaciens* (Saratok),
  - o *Shigella sp* (Dalat),
  - o *Pleiomonas shigelloidis* (Kuching),
  - o *Shigella Sonnei* (Sibu),
  - o *Salmonella* (Meradong-4),
  - o *Balantidium coli* (Saratok-3),
  - o *Entamoeba Histolytica* (Saratok).
- Typhoid cases;
  - o Nine (9) are *Salmonella paratyphii*
  - o Eleven (14) are *Salmonella typhii*.
- Out of 1133 suspected cholera outbreak in Bintulu, 111 were confirmed cholera and one (1) case reported from Mukah, was originally from Bintulu as evidence by finger printing result.

## 5. SURVEILLANCE REPORT ON VACCINE PREVENTABLE DISEASES

### 5.1. Total number of Vaccine Preventable Diseases (VPD) by division from Epid Week 1-45, 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	112	24	3	10	42	7	0	18	6
Samarahan	26	2	0	1	17	0	0	1	0
Sri Aman	24	3	1	0	15	2	0	0	0
Betong	16	3	0	0	8	0	0	0	1
Sarikei	68	4	0	0	52	1	0	1	0
Sibu	4	2	0	0	2	0	0	10	6
Kapit	16	0	0	0	9	5	0	3	0
Mukah	1	0	0	0	1	0	0	1	0
Bintulu	171	36	1	13	74	28	1	0	0
Miri	202	50	0	0	109	6	0	13	0
Limbang	19	7	0	0	6	0	0	0	0
<b>Sarawak</b>	<b>659</b>	<b>131</b>	<b>5</b>	<b>24</b>	<b>335</b>	<b>49</b>	<b>1</b>	<b>47</b>	<b>13</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. Measles Elimination Programme (MEP) Achievement by Division from Epid. Week 1-45, 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	112	106 (94.64%)	73 (65.18%)	104 (92.86%)
Samarahan	26	24 (92.31%)	23 (88.46%)	26 (100.00%)
Sri Aman	24	23 (95.83%)	19 (79.17%)	22 (91.67%)
Betong	16	16 (100.00%)	8 (50.00%)	16 (100.00%)
Sarikei	68	68 (100.00%)	50 (73.53%)	67 (98.53%)
Sibu	4	4 (100.00%)	4 (100.00%)	4 (100.00%)
Kapit	16	16 (100.00%)	16 (100.00%)	16 (100.00%)
Mukah	1	1 (100.00%)	1 (100.00%)	1 (100.00%)
Bintulu	171	169 (98.83%)	155 (90.64%)	162 (94.74%)
Miri	202	196 (97.03%)	186 (92.08%)	201 (99.50%)
Limbang	19	19 (100.00%)	18 (94.74%)	19 (100.00%)
<b>Sarawak</b>	<b>659</b>	<b>642 (97.42%)</b>	<b>553 (83.92%)</b>	<b>638 (96.81%)</b>

### Strategies of MEP:

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

### Adequate Investigation:

- Investigation within 48 hours of notification
- Include following data : suspected measles cases, age, sex, date of rash onset, date of specimen collection, vaccination status, date of last vaccination and district in addition to an investigation of all epidemiological links.

### 5.3. Acute Flaccid Paralysis (AFP)

Reported AFP cases in Sarawak, EPID week 1-45, 2012.

Division	Population age < 15	Reported AFP 2011	<sup>1</sup> Expected AFP 2012	Reported AFP 2012	Indicators		
					<sup>2</sup> Adequate stool	Adequate follow up	Discard category
Kuching	238,400	2	2	1	1	1	Discard 1-GBS
Samarahan	79,300	2	1	1	0	1	Non AFP
Sri aman	33,300	0	1	0	0	0	0
Betong	43,600	0	1	0	0	0	0
Sibu	97,900	0	1	0	0	0	0
Kapit	37,400	0	1	0	0	0	0
Mukah	30,100	0	1	0	0	0	0
Sarikei	65,000	0	1	0	0	0	0
Miri	123,500	2	1	2	2	2	Discard 1- 2(GBS & Transverse Myelitis)
Bintulu	75,800	0	1	1	0	1	Non AFP
Limbang	30,400	0	1	0	0	0	0
<b>TOTAL</b>	<b>854.7</b>	<b>6</b>	<b>12</b>	<b>5</b>		<b>7</b>	<b>5</b>

<sup>1</sup>Target Non AFP = 1 case per 100 000 population <15 years old.

**Note :**

-Notification period of 14 days from the date of onset : Target >80%

-Investigation within 48 hours of notification : Target >80%

-<sup>2</sup>Collection of two stool specimens within 14 days from the onset of paralysis : Target >80%

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

### 6.1 Notified HIV/AIDS cases for Epid. Week 45, 2012 and cumulative cases from Epid. Week 1 until Epid. Week 45, 2012.

District / Division	2012			
	EW 45		Cumulative	
	HIV	AIDS	HIV	AIDS
Lundu	0	0	1	1
Bau	0	0	2	1
Kuching	0	0	43	24
<b>KUCHING</b>	<b>0</b>	<b>0</b>	<b>46</b>	<b>26</b>
Samarahan	0	0	6	3
Asajaya	0	0	3	1
Simunjan	0	0	3	2
Serian	0	0	6	4
<b>SAMARAHAN</b>	<b>0</b>	<b>0</b>	<b>18</b>	<b>10</b>
Sri Aman	0	0	5	2
LubokAntu	0	0	1	0
<b>SRI AMAN</b>	<b>0</b>	<b>0</b>	<b>6</b>	<b>2</b>
Betong	0	0	1	0
Saratok	0	0	0	0
<b>BETONG</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>
Sarikei	0	0	1	2
Meradong	0	0	1	3
Pakan	0	0	0	0
Julau	0	0	0	0
<b>SARIKEI</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>5</b>
Daro	0	0	2	0
Matu	0	0	0	0
Dalat	0	0	0	0
Mukah	0	0	0	1
<b>MUKAH</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>1</b>
Sibu	0	0	15	11
Kanowit	0	0	1	2
Selangau	0	0	0	0
<b>SIBU</b>	<b>0</b>	<b>0</b>	<b>16</b>	<b>13</b>
Song	0	0	0	1
Kapit	0	0	1	2
Belaga	0	0	0	0
<b>KAPIT</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>3</b>
Tatau	2	1	2	1
Bintulu	1	5	14	14
<b>BINTULU</b>	<b>3</b>	<b>6</b>	<b>16</b>	<b>15</b>
Miri	0	0	16	5
Marudi	0	0	2	1
<b>MIRI</b>	<b>0</b>	<b>0</b>	<b>18</b>	<b>6</b>
Limbang	0	0	4	4
Lawas	2	0	3	2
<b>LIMBANG</b>	<b>2</b>	<b>0</b>	<b>7</b>	<b>6</b>
<b>Sarawak</b>	<b>5</b>	<b>6</b>	<b>133</b>	<b>87</b>

EW = Epid. Week; Cum. = Cumulative figure

#### HIV/AIDS

Five HIV cases reported from Tatau(2), Bintulu(1) and Lawas(2) district. Six AIDS cases reported from Tatau(1) and Bintulu(5) district.



**3.3.3 Notified Gonorrhoea and Syphilis (all forms) cases for Epid. Week 45, 2012 and Cumulative cases from Epid. Week 1, 2012 until Epid.Week 45, 2012.**

District / Division	Gonorrhoea		Syphilis (all forms)	
	EW 45	Cum.	EW 45	Cum.
Lundu	0	4	0	3
Bau	1	8	0	5
Kuching	3	176	4	71
<b>KUCHING</b>	<b>4</b>	<b>188</b>	<b>4</b>	<b>79</b>
Samarahan	0	34	1	14
Asajaya	3	28	0	8
Simunjan	0	8	0	6
Serian	0	9	0	1
<b>SAMARAHAN</b>	<b>3</b>	<b>79</b>	<b>1</b>	<b>29</b>
Sri Aman	0	5	0	18
Lubok Antu	0	2	1	5
<b>SRI AMAN</b>	<b>0</b>	<b>7</b>	<b>1</b>	<b>23</b>
Betong	0	2	0	2
Saratok	0	1	1	5
<b>BETONG</b>	<b>0</b>	<b>3</b>	<b>1</b>	<b>7</b>
Sarikei	0	5	0	5
Meradong	0	6	0	5
Pakan	0	1	0	2
Julau	0	1	0	0
<b>SARIKEI</b>	<b>0</b>	<b>13</b>	<b>0</b>	<b>12</b>
Daro	0	6	0	2
Matu	0	8	0	1
Dalat	0	0	0	0
Mukah	0	9	0	4
<b>MUKAH</b>	<b>0</b>	<b>23</b>	<b>0</b>	<b>7</b>
Sibu	5	54	3	38
Kanowit	0	1	0	2
Selangau	0	4	0	1
<b>SIBU</b>	<b>5</b>	<b>59</b>	<b>3</b>	<b>41</b>
Song	0	0	0	0
Kapit	0	2	0	4
Belaga	0	0	0	0
<b>KAPIT</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>4</b>
Tatau	0	0	0	0
Bintulu	0	8	0	10
<b>BINTULU</b>	<b>0</b>	<b>8</b>	<b>0</b>	<b>10</b>
Miri	0	18	0	6
Marudi	0	5	0	3
<b>MIRI</b>	<b>0</b>	<b>23</b>	<b>0</b>	<b>9</b>
Limbang	0	5	0	4
Lawas	0	2	2	7
<b>LIMBANG</b>	<b>0</b>	<b>7</b>	<b>2</b>	<b>11</b>
<b>Sarawak</b>	<b>12</b>	<b>412</b>	<b>12</b>	<b>232</b>

**Gonorrhoea**

12 cases reported in Epid Week 45, 2012 from Bau(1), Kuching(3), Asajaya(3) and Sibu(5) district.

**Syphilis**

12 cases reported from Kuching(4), Samarahan(1), Lubok Antu(1), Saratok(1), Sibu(3) and Lawas(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 45, 2012 compared to Epid. Week 45, 2011 and cumulative cases until Epid. Week 45, 2012.

District / Division	2012		2011		Total
	EW 45	Cum.	EW 45	Cum.	
Lundu	2	33	1	20	22
Bau	0	31	0	37	42
Kuching	1	341	7	298	365
<b>KUCHING</b>	<b>3</b>	<b>405</b>	<b>8</b>	<b>355</b>	<b>429</b>
Samarahan	0	21	0	40	46
Asajaya	0	12	0	22	29
Simunjan	0	32	1	28	37
Serian	0	31	1	52	61
<b>SAMARAHAN</b>	<b>0</b>	<b>96</b>	<b>2</b>	<b>142</b>	<b>173</b>
Sri Aman	0	43	2	53	58
LubokAntu	0	26	1	43	49
<b>SRI AMAN</b>	<b>0</b>	<b>69</b>	<b>3</b>	<b>96</b>	<b>107</b>
Betong	3	47	0	37	43
Saratok	1	52	2	49	55
<b>BETONG</b>	<b>4</b>	<b>99</b>	<b>2</b>	<b>86</b>	<b>98</b>
Sarikei	0	50	2	48	51
Meradong	0	26	0	25	29
Pakan	0	22	0	17	22
Julau	0	17	0	22	22
<b>SARIKEI</b>	<b>0</b>	<b>115</b>	<b>2</b>	<b>112</b>	<b>124</b>
Daro	0	13	2	24	27
Matu	0	1	0	4	4
Dalat	0	8	0	13	14
Mukah	9	46	1	36	44
<b>MUKAH</b>	<b>9</b>	<b>68</b>	<b>3</b>	<b>77</b>	<b>89</b>
Sibu	5	195	1	150	175
Kanowit	2	35	0	36	42
Selangau	3	34	2	28	32
<b>SIBU</b>	<b>10</b>	<b>264</b>	<b>3</b>	<b>214</b>	<b>249</b>
Song	0	11	2	25	23
Kapit	5	53	0	44	60
Belaga	3	43	1	39	40
<b>KAPIT</b>	<b>8</b>	<b>107</b>	<b>3</b>	<b>108</b>	<b>123</b>
Tatau	1	36	1	37	43
Bintulu	7	191	3	162	187
<b>BINTULU</b>	<b>8</b>	<b>227</b>	<b>4</b>	<b>199</b>	<b>230</b>
Miri	7	267	5	284	306
Marudi	12	56	1	54	61
<b>MIRI</b>	<b>19</b>	<b>323</b>	<b>6</b>	<b>338</b>	<b>367</b>
Limbang	5	40	0	37	42
Lawas	1	25	0	21	24
<b>LIMBANG</b>	<b>6</b>	<b>65</b>	<b>0</b>	<b>58</b>	<b>66</b>
<b>Sarawak</b>	<b>67</b>	<b>1838</b>	<b>36</b>	<b>1785</b>	<b>2055</b>

EW = Epid. Week; Cum. = Cumulative figure

### 7.2 Notified Leprosy cases for Epid. Week 45, 2012 compared to Epid. Week 45, 2011 and cumulative cases until Epid. Week 45, 2012.

District / Division	2012		2011		Total
	EW 45	Cum.	EW 45	Cum.	
Lundu	0	0	0	0	0
Bau	0	0	0	0	0
Kuching	0	1	0	1	3
<b>KUCHING</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>3</b>
Samarahan	0	0	0	0	0
Asajaya	0	0	0	0	0
Simunjan	0	1	0	0	0
Serian	0	0	0	0	0
<b>SAMARAHAN</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>
Sri Aman	0	0	0	0	0
LubokAntu	0	0	0	0	0
<b>SRI AMAN</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Betong	0	0	0	0	0
Saratok	0	0	0	0	0
<b>BETONG</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Sarikei	0	0	0	0	0
Meradong	0	0	0	0	0
Pakan	0	3	0	0	0
Julau	0	0	0	0	0
<b>SARIKEI</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>0</b>
Daro	0	0	0	0	0
Matu	0	0	0	0	0
Dalat	0	0	0	0	0
Mukah	0	4	0	0	1
<b>MUKAH</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>1</b>
Sibu	0	5	0	1	1
Kanowit	0	0	0	0	0
Selangau	0	0	0	0	0
<b>SIBU</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>1</b>	<b>1</b>
Song	0	0	0	0	0
Kapit	0	0	0	0	0
Belaga	0	2	0	3	6
<b>KAPIT</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>3</b>	<b>6</b>
Tatau	0	0	0	0	0
Bintulu	0	3	0	1	1
<b>BINTULU</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>1</b>	<b>1</b>
Miri	0	9	0	0	4
Marudi	0	9	0	0	5
<b>MIRI</b>	<b>0</b>	<b>16</b>	<b>0</b>	<b>0</b>	<b>9</b>
Limbang	0	1	0	3	4
Lawas	0	0	0	0	0
<b>LIMBANG</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>4</b>	<b>4</b>
<b>Sarawak</b>	<b>0</b>	<b>37</b>	<b>0</b>	<b>10</b>	<b>25</b>

### 7.3 Notified Tuberculosis (all forms) Case Classification as on 10<sup>th</sup> November 2012

District / Division	Case classification					
	Positive smear		Negative smear		Extra PTB	
	EW 45	Cum.	EW 45	Cum.	EW 45	Cum.
Lundu	1	24	1	5	0	4
Bau	0	26	0	5	0	0
Kuching	0	203	1	103	0	35
<b>KUCHING</b>	<b>1</b>	<b>253</b>	<b>2</b>	<b>113</b>	<b>0</b>	<b>39</b>
Samarahan	0	17	0	2	0	2
Asajaya	0	7	0	2	0	3
Simunjan	0	26	0	4	0	2
Serian	0	22	0	6	0	3
<b>SAMARAHAN</b>	<b>0</b>	<b>72</b>	<b>0</b>	<b>14</b>	<b>0</b>	<b>10</b>
Sri Aman	0	28	0	10	0	5
LubokAntu	0	23	0	2	0	1
<b>SRI AMAN</b>	<b>0</b>	<b>51</b>	<b>0</b>	<b>12</b>	<b>0</b>	<b>6</b>
Betong	3	38	0	4	0	5
Saratok	1	40	0	9	0	3
<b>BETONG</b>	<b>4</b>	<b>78</b>	<b>0</b>	<b>13</b>	<b>0</b>	<b>8</b>
Sarikei	0	24	0	17	0	9
Meradong	0	15	0	11	0	0
Pakan	0	7	0	11	0	4
Julau	0	7	0	10	0	0
<b>SARIKEI</b>	<b>0</b>	<b>53</b>	<b>0</b>	<b>49</b>	<b>0</b>	<b>13</b>
Daro	0	11	0	2	0	0
Matu	0	1	0	0	0	0
Dalat	0	7	0	0	0	1
Mukah	9	37	0	5	0	4
<b>MUKAH</b>	<b>9</b>	<b>56</b>	<b>0</b>	<b>7</b>	<b>0</b>	<b>5</b>
Sibu	2	132	2	37	1	26
Kanowit	1	23	1	7	0	5
Selangau	1	18	2	8	0	8
<b>SIBU</b>	<b>4</b>	<b>173</b>	<b>5</b>	<b>52</b>	<b>1</b>	<b>39</b>
Song	0	7	0	3	0	1
Kapit	2	24	0	13	3	16
Belaga	2	24	1	13	0	6
<b>KAPIT</b>	<b>4</b>	<b>55</b>	<b>1</b>	<b>29</b>	<b>3</b>	<b>23</b>
Tatau	1	20	0	12	0	4
Bintulu	2	84	5	94	0	13
<b>BINTULU</b>	<b>3</b>	<b>104</b>	<b>5</b>	<b>106</b>	<b>0</b>	<b>17</b>
Miri	3	195	2	52	2	20
Marudi	11	38	1	12	0	6
<b>MIRI</b>	<b>14</b>	<b>233</b>	<b>3</b>	<b>64</b>	<b>2</b>	<b>26</b>
Limbang	5	37	0	2	0	1
Lawas	1	17	0	1	0	7
<b>LIMBANG</b>	<b>6</b>	<b>54</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>8</b>
<b>Sarawak</b>	<b>45</b>	<b>1182</b>	<b>16</b>	<b>462</b>	<b>6</b>	<b>194</b>

EW = Epid. Week; Cum. = Cumulative figure

#### Tuberculosis (all forms)

67 cases were reported in Epid Week 45,2012. As on 10<sup>th</sup> November 2012, the cumulative is 1838.

#### 7.4 Notified Tuberculosis (all forms) Patient Classification as on 10<sup>th</sup> November 2012.

District / Division	Patient Classification											
	Children		Health care worker				PUSPEN/Prison		Foreigner		Care Centre	
	EW 45	Cum.	*Exposed		*Not exposed		EW 45	Cum.	EW 45	Cum.	EW 45	Cum.
			EW 45	Cum.	EW 45	Cum.						
Lundu	0	1	0	2	0	2	0	0	0	7	0	0
Bau	0	0	0	1	0	1	0	0	0	0	0	0
Kuching	0	3	0	6	0	6	0	1	0	7	0	0
KUCHING	0	4	0	9	0	9	0	1	0	14	0	0
Samarahan	0	0	0	0	0	0	0	0	0	3	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	3	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	5	0	0
Sri Aman	0	0	0	0	0	0	0	0	0	2	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	2	0	0
Betong	0	1	0	0	0	0	0	0	0	0	0	0
Saratok	0	0	0	0	0	0	0	0	0	0	0	0
BETONG	0	1	0	0	0	0	0	0	0	0	0	0
Sarikei	0	1	0	3	0	3	0	0	0	3	0	0
Meradong	0	2	0	0	0	0	0	0	0	1	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	3	0	3	0	3	0	0	0	3	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	0	0	0
Dalat	0	0	0	1	0	1	0	0	0	0	0	0
Mukah	0	1	0	1	0	1	0	0	0	2	0	0
MUKAH	0	1	0	2	0	2	0	0	0	4	0	0
Sibu	0	9	0	4	0	4	0	1	0	4	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	12	0	4	0	4	0	1	0	8	0	0
Song	0	0	0	0	0	0	0	0	0	0	0	0
Kapit	3	10	0	0	0	0	0	0	0	4	0	0
Belaga	1	8	0	1	0	1	0	0	0	4	0	0
KAPIT	4	18	0	1	0	1	0	0	0	8	0	0
Tatau	0	2	0	0	0	0	0	0	0	16	0	0
Bintulu	3	31	0	3	0	3	0	0	2	34	0	0
BINTULU	3	33	0	3	0	3	0	0	2	50	0	0
Miri	0	3	0	2	0	2	0	1	0	26	0	0
Marudi	1	6	0	0	0	0	0	0	2	4	0	0
MIRI	1	9	0	2	0	2	0	1	2	30	0	0
Limbang	0	1	0	0	0	0	0	0	1	1	0	0
Lawas	0	0	0	0	0	0	0	0	0	0	0	0
LIMBANG	0	1	0	0	0	0	0	0	1	1	0	0
Sarawak	8	85	0	24	0	24	0	3	5	124	0	0

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

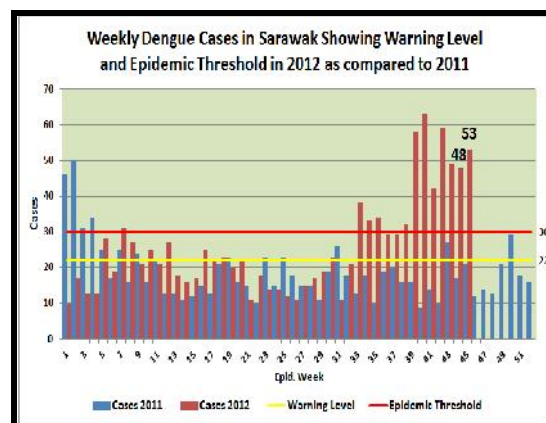
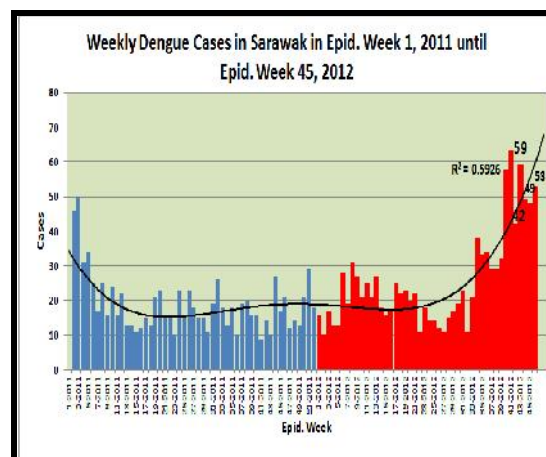
\* Possibility of exposed or not exposed to TB patient

**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 45, 2012 compared to Epid. Week 45, 2011 and cumulative cases until Epid. Week 45, 2012.

District	2012		2011		Total
	EW 45	Cum.	EW 45	Cum.	
Lundu	0	11	0	10	10
Bau	1	34	0	26	36
Kuching	3	138	1	97	106
Samarahan	1	33	0	20	21
Asajaya	0	6	0	4	4
Serian	0	22	1	17	18
Simunjan	0	14	0	13	19
Sri Aman	7	74	3	48	56
Lubok Antu	4	47	2	23	23
Betong	0	57	0	11	13
Saratok	2	29	2	9	11
Sarikei	2	32	0	24	28
Meradong	7	51	0	12	14
Pakan	3	46	1	19	23
Julau	3	38	0	14	17
Daro	0	5	0	6	6
Matu	0	0	0	1	1
Dalat	0	9	0	3	3
Mukah	0	9	0	5	5
Sibu	7	57	3	67	75
Kanowit	0	16	0	30	31
Selangau	1	6	0	9	10
Song	2	21	0	10	10
Kapit	2	67	0	27	32
Belaga	1	32	1	25	27
Tatau	1	31	0	35	47
Bintulu	2	99	1	94	100
Miri	0	106	1	110	134
Marudi	1	37	1	54	59
Limbang	1	20	1	19	20
Lawas	2	21	3	9	15
<b>Sarawak</b>	<b>53</b>	<b>1168</b>	<b>21</b>	<b>851</b>	<b>974</b>



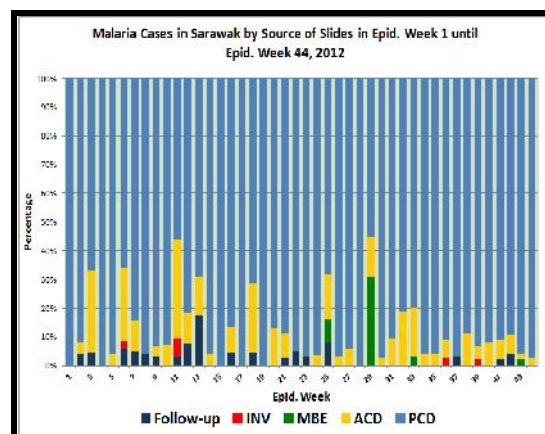
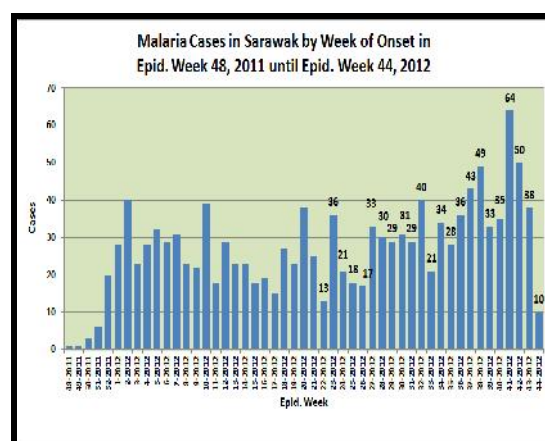
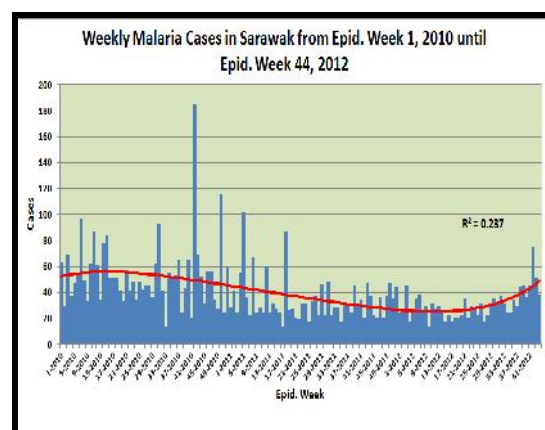
There are two new outbreak localities reported from Pakan and Meradong. Another four outbreak localities still active in Meradong (1), Song (1) and Sibu (2).

EW = Epid. Week; Cum. = Cumulative figure



**8.2. Notified Malaria cases for Epid. Week 44, 2012 compared to Epid. Week 44, 2011 and cumulative cases until Epid. Week 44 in 2012.**

District	2012		2011		Total
	EW 44	Cum.	EW 44	Cum.	
Lundu	0	10	1	30	33
Bau	0	0	0	4	5
Kuching	0	18	0	22	23
Samarahan	0	3	0	3	3
Asajaya	0	0	1	1	1
Serian	0	5	0	20	21
Simunjan	0	4	0	2	2
Sri Aman	0	15	0	15	17
Lubok Antu	0	24	0	20	25
Betong	4	61	1	37	47
Saratok	1	30	0	3	3
Sarikei	0	18	0	15	16
Meradong	1	11	0	9	9
Pakan	3	52	0	22	29
Julau	5	71	0	62	69
Daro	0	6	0	1	2
Matu	0	1	0	0	2
Dalat	0	4	0	8	10
Mukah	0	2	0	2	2
Sibu	1	60	0	36	52
Kanowit	0	64	3	73	89
Selangau	0	35	1	15	16
Song	1	90	1	59	78
Kapit	7	187	1	191	230
Belaga	6	148	4	114	139
Tatau	0	25	0	28	34
Bintulu	0	27	0	37	39
Miri	1	27	2	33	40
Marudi	6	243	22	594	670
Limbang	2	26	0	17	21
Lawas	1	62	0	27	34
<b>Sarawak</b>	<b>39</b>	<b>1329</b>	<b>37</b>	<b>1500</b>	<b>1761</b>



A total of 39 cases were reported on week 44, 2012. Cumulative cases till week 44 were 1329 cases. Of the 1329 cases, 243 cases (18%) from Marudi District, 187 cases (14%) from Kapit District and 148 cases (11%) 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 44	Cum.
Passive Case Detection (PCD)	38	1173
Active Case Detection (ACD)	1	112
Investigation slides ( INV)	0	6
Mass Blood Survey (MBS)	0	10
Follow-up	0	28
<b>Total</b>	<b>39</b>	<b>1329</b>

### 8.2.2. Malaria cases by species

Species	2012	
	EW 44	Cum.
<i>P. vivax</i>	5	377
<i>P. falciparum</i>	3	73
<i>P. malariae</i>	0	9
<i>P. knowlesi</i>	31	859
<i>P. ovale</i>	0	6
Mixed	0	5
<b>Total</b>	<b>39</b>	<b>1329</b>

### 8.2.3. Malaria cases by case classification

Classification	2012	
	EW 44	Cum.
Indigenous	32	1081
*Imported A	5	200
Relapsed	2	48
Congenital	0	0
<b>Total</b>	<b>39</b>	<b>1329</b>

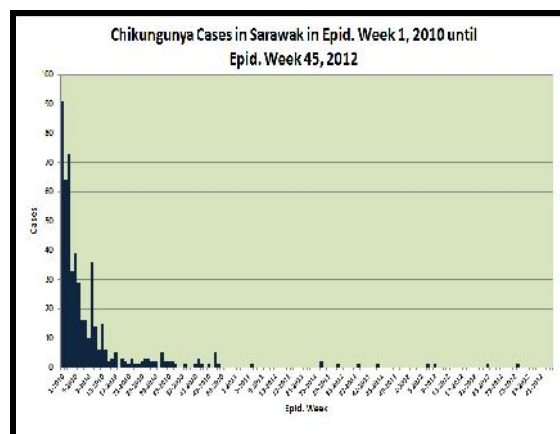
### 8.2.4. The summary of the \*Imported A cases

No.	District reported	Source of infection	Nationality	Age	Gender	Species
1	Meradong	Kem PNG	Malaysian	41	Male	<i>P. falciparum</i>
2	Kapit	KKB Cakera Alam,PNG	Malaysian	41	Male	<i>P. vivax</i>
3	Miri	Barimo Jaya,PNG	Malaysian	45	Male	<i>P. vivax</i>
4	Kapit	KKB Bata Sima International, Afrika	Malaysian	44	Male	<i>P. falciparum</i>
5	Kapit	KKB Bata Sima International, Afrika	Malaysian	46	Male	<i>P. falciparum</i>

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

**8.3. Notified Chikungunya cases for Epid. Week 45, 2012 compared to Epid. Week 45, 2011 and cumulative cases until Epid. Week 45 in 2012.**

District	2012		2011		Total
	EW 45	Cum.	EW 45	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	1	1
Serian	0	0	0	1	1
Simunjan	0	0	0	0	0
Sri Aman	0	0	0	0	0
Lubok Antu	0	1	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	1	1
Limbang	0	0	0	0	0
Lawas	0	0	0	0	0
<b>Sarawak</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>5</b>	<b>6</b>



EW = Epid. Week; Cum. = Cumulative figure



#### **8.4. Filariasis**

Six cases of Filariasis were reported in Epid Week 45, 2012. During the same period in 2011, no case was reported. The cumulative cases for 2012 is 32.

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

One case of Japanese Encephalitis (JE) was reported in Epid Week 45, 2012. During the same period in 2011, two cases were reported. The cumulative case of Japanese Encephalitis for 2012 is seven.

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

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

No case reported. As at 10<sup>th</sup> October 2012, only one case of Viral Encephalitis reported.

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

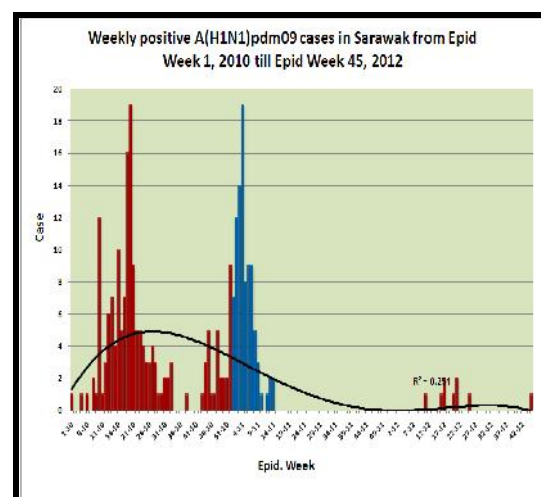
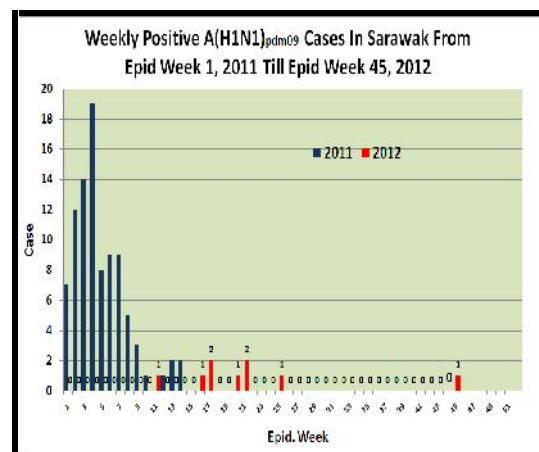
No case reported in Epid Week 45, 2012. As at 10<sup>th</sup> November 2012, out of 101 viral hepatitis reported, two are Hepatitis A, 19 Acute Hepatitis B, 52 Chronic Hepatitis B, 13 Acute Hepatitis C and 27 Chronic Hepatitis C.

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

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

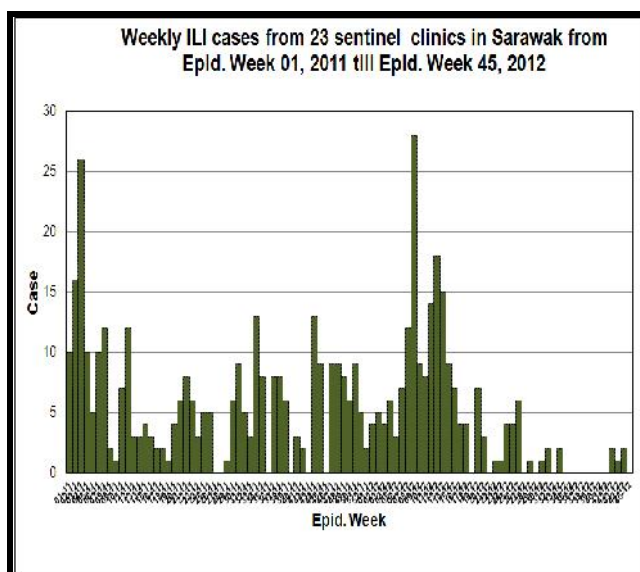
10.1.1 Positive Pandemic Influenza A/H1N1<sub>pdm09</sub> as for Epid. Week 45, 2012 compared to Epid. Week 45, 2011 and cumulative cases until Epid. Week 45 in 2012.

District	2012		2011		Total
	EW 45	Cum.	EW 45	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	1	5	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>1</b>	<b>9</b>	<b>0</b>	<b>92</b>	<b>92</b>



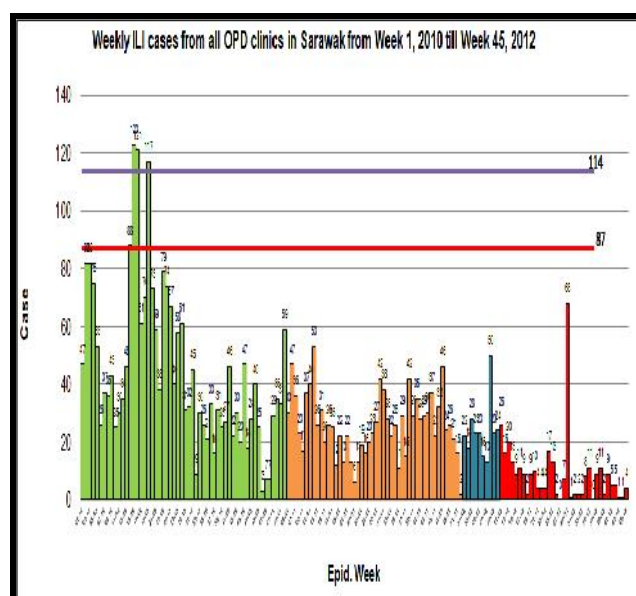
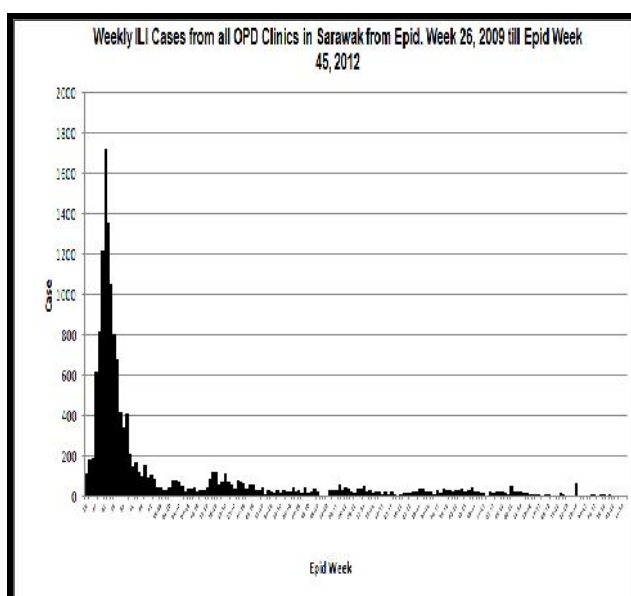
EW = Epid. Week; Cum. = cumulative figure

### 10.1.2 Outpatient Influenza-Like Illness (ILI) Surveillance from Epid.Week 1 in 2010 till Epid. Week 45 in 2012.



In Epid. Week 45, 2012, no case of ILI reported from 22 Sentinel clinics and four 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).

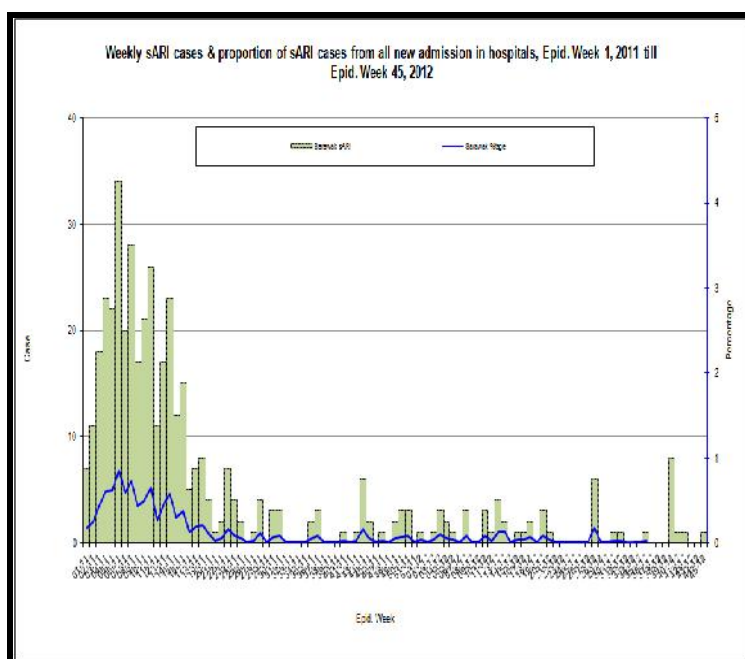


Referring to a letter dated 25 January 2011 from Office of the Deputy Director-General of Health (Public Health), Department of Public Health, Ministry of Health Malaysia about **PEMANTAUAN AKTIVITI A/H1N1pdm09 SECARA BERTERUSAN**, all PKB/PKD must send their daily H1N1 report as well as ILI and sARI 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 10<sup>th</sup> November 2012.

No ILI cluster reported. The last cluster was on 3<sup>rd</sup> November 2011.

#### 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 10<sup>th</sup> October 2012.

Division	Hospital	New EW 45	Cumulative 2012	No. of Inpatient			No. of Patient on Ventilator	Throat swabs		
				ICU	ISO	Other wards		Positive	Pending	Negative
Kuching	SGH Kuching	0	43	0	0	0	0	0	0	1
	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	5	83	0	0	5	0	0	5	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
<b>Total</b>		<b>5</b>	<b>129</b>	<b>0</b>	<b>0</b>	<b>5</b>	<b>0</b>	<b>0</b>	<b>5</b>	<b>1</b>

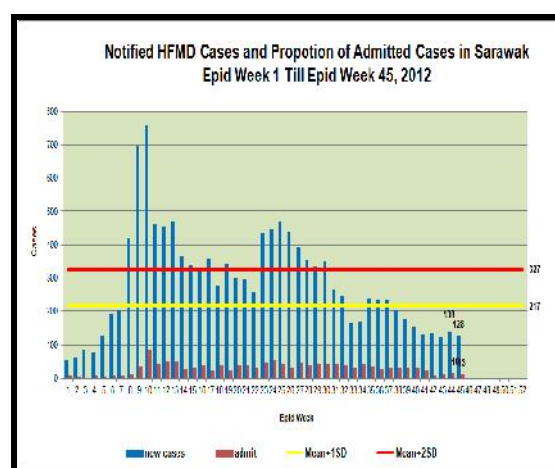
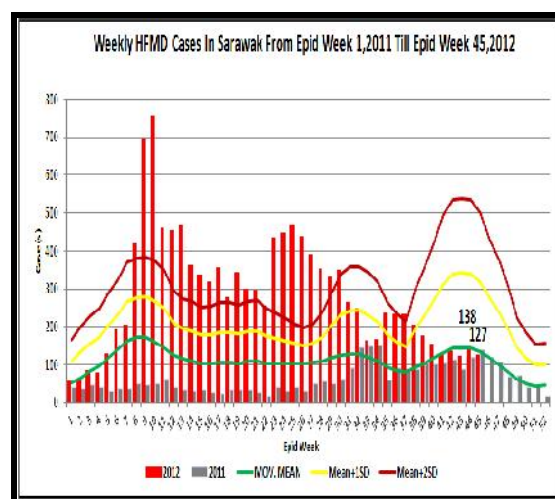
EW = Epid. Week; Cum. = Cumulative figure

Five sARI cases reported in Epid Week 45, 2012 from Bintulu Hospital(5). Five sample still pending and one case is negative for H1N1.



**410.2. Notified HFMD (Masterlist) cases for Epid. Week 45, 2012 compared to Epid. Week 45, 2011 and cumulative cases in Epid. Week 45, 2011.**

District / Division	2012		2011		Total
	EW 45	Cum.	EW 45	Cum.	
Lundu	5	245	0	24	31
Bau	4	381	8	89	149
Kuching	47	3719	56	527	602
<b>KUCHING</b>	<b>56</b>	<b>4345</b>	<b>64</b>	<b>640</b>	<b>782</b>
Samarahan	3	683	4	118	127
Asajaya	0	86	1	27	35
Simunjan	4	209	0	19	19
Serian	6	708	1	29	39
<b>SAMARAHAN</b>	<b>13</b>	<b>1686</b>	<b>6</b>	<b>193</b>	<b>220</b>
Sri Aman	1	475	2	93	97
Lubok Antu	0	80	1	15	18
<b>SRI AMAN</b>	<b>1</b>	<b>555</b>	<b>3</b>	<b>108</b>	<b>115</b>
Betong	4	347	0	47	57
Saratok	7	264	1	35	37
<b>BETONG</b>	<b>11</b>	<b>611</b>	<b>1</b>	<b>82</b>	<b>94</b>
Sarikei	0	512	7	176	188
Meradong	2	182	0	73	73
Pakan	1	93	0	6	7
Julau	1	128	0	31	32
<b>SARIKEI</b>	<b>4</b>	<b>915</b>	<b>7</b>	<b>286</b>	<b>300</b>
Daro	0	132	0	6	7
Matu	0	86	0	2	4
Dalat	2	116	1	23	84
Mukah	0	159	4	67	42
<b>MUKAH</b>	<b>2</b>	<b>493</b>	<b>5</b>	<b>98</b>	<b>137</b>
Sibu	8	878	6	128	149
Kanowit	1	47	0	22	6
Selangau	2	37	0	6	22
<b>SIBU</b>	<b>11</b>	<b>962</b>	<b>6</b>	<b>156</b>	<b>177</b>
Song	0	52	0	11	12
Kapit	0	399	2	52	64
Belaga	3	123	0	48	55
<b>KAPIT</b>	<b>3</b>	<b>574</b>	<b>2</b>	<b>111</b>	<b>131</b>
Tatau	0	98	0	25	25
Bintulu	1	811	16	663	25
<b>BINTULU</b>	<b>1</b>	<b>909</b>	<b>16</b>	<b>688</b>	<b>772</b>
Miri	22	1179	22	242	324
Marudi	0	107	0	47	49
<b>MIRI</b>	<b>22</b>	<b>1286</b>	<b>22</b>	<b>289</b>	<b>373</b>
Limbang	0	452	5	59	65
Lawas	4	101	0	4	4
<b>LIMBANG</b>	<b>4</b>	<b>553</b>	<b>5</b>	<b>63</b>	<b>69</b>
<b>SARAWAK</b>	<b>128</b>	<b>12889</b>	<b>137</b>	<b>2714</b>	<b>3170</b>



A total of 128 HFMD cases reported in Epid. Week 45, 2012 compared 137 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

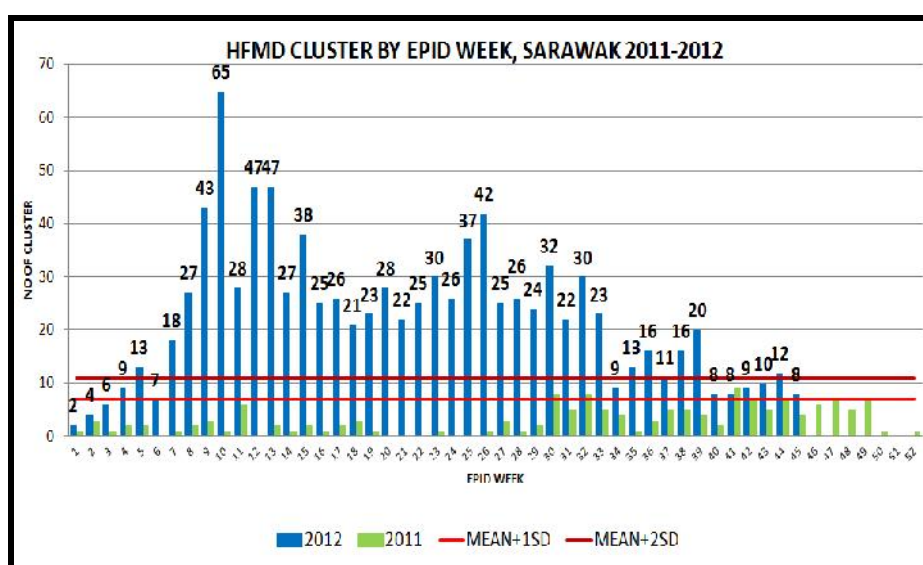
EW = Epid. Week; Cum. = Cumulative figure

**10.2.1 Comparison of total number of notified HFMD cases and registered HFMD cases in e-Notifikasi system by district as at 10<sup>th</sup> November 2012.**

District	Masterlist		Registered Case		Back Log	
	EW 45	Total	EW 45	Total	EW 45	Total
Kuching	47	3719	59	3731	-12	-12
Bau	4	381	4	381	0	0
Lundu	5	245	4	244	1	1
<b>KUCHING</b>	<b>56</b>	<b>4345</b>	<b>67</b>	<b>4356</b>	<b>-11</b>	<b>-11</b>
Samarahan	3	683	0	642	3	41
Asajaya	0	86	0	91	0	-5
Simunjan	4	209	0	169	4	40
Serian	6	708	7	709	-1	-1
<b>SAMARAHAN</b>	<b>13</b>	<b>1686</b>	<b>7</b>	<b>1611</b>	<b>6</b>	<b>75</b>
Sri Aman	1	475	0	474	1	1
Lubok Antu	0	80	0	75	0	5
<b>SRI AMAN</b>	<b>1</b>	<b>555</b>	<b>0</b>	<b>549</b>	<b>1</b>	<b>6</b>
Betong	4	347	0	339	4	8
Saratok	7	264	7	264	0	0
<b>BETONG</b>	<b>11</b>	<b>611</b>	<b>7</b>	<b>603</b>	<b>4</b>	<b>8</b>
Sarikei	0	512	0	461	0	51
Meradong	2	182	3	183	-1	-1
Pakan	1	93	0	89	1	4
Julau	1	128	0	125	1	3
<b>SARIKEI</b>	<b>4</b>	<b>915</b>	<b>3</b>	<b>858</b>	<b>1</b>	<b>57</b>
Daro	0	132	0	128	0	4
Matu	0	86	0	63	0	23
Mukah	0	159	0	159	0	0
Dalat	2	116	0	101	2	15
<b>MUKAH</b>	<b>2</b>	<b>493</b>	<b>0</b>	<b>451</b>	<b>2</b>	<b>42</b>
Sibu	8	878	8	878	0	0
Selangau	2	37	1	36	1	1
Kanowit	1	47	0	45	1	2
<b>SIBU</b>	<b>11</b>	<b>962</b>	<b>9</b>	<b>959</b>	<b>2</b>	<b>3</b>
Kapit	0	399	0	392	0	7
Song	0	52	0	52	0	0
Belaga	3	123	1	151	2	-28
<b>KAPIT</b>	<b>3</b>	<b>574</b>	<b>1</b>	<b>595</b>	<b>2</b>	<b>-21</b>
Bintulu	1	810	1	936	0	-126
Tatau	0	99	13	129	-13	-30
<b>BINTULU</b>	<b>1</b>	<b>909</b>	<b>14</b>	<b>1065</b>	<b>-13</b>	<b>-156</b>
Miri	22	1179	0	1129	22	50
Marudi	0	107	1	113	-1	-6
<b>MIRI</b>	<b>22</b>	<b>1286</b>	<b>1</b>	<b>1242</b>	<b>21</b>	<b>44</b>
Limbang	0	452	0	454	0	-2
Lawas	4	101	0	78	4	23
<b>LIMBANG</b>	<b>4</b>	<b>553</b>	<b>0</b>	<b>532</b>	<b>4</b>	<b>21</b>
<b>SARAWAK</b>	<b>128</b>	<b>12889</b>	<b>109</b>	<b>12821</b>	<b>19</b>	<b>68</b>

### 10.2.2. HFMD Clusters and closure

Division	Cluster		Closure	
	EW45	Cum	EW45	Cum
Kuching	0	361	0	59
Samarahan	1	110	0	14
Sri Aman	0	19	0	0
Betong	1	50	0	10
Sarikei	0	116	0	28
Mukah	0	40	0	7
Sibu	1	66	0	0
Kapit	0	30	0	0
Bintulu	0	41	0	8
Miri	4	101	0	2
Limbang	1	80	0	6
<b>Sarawak</b>	<b>8</b>	<b>1014</b>	<b>0</b>	<b>134</b>



Division	Category of Cluster				Total
	Family	School	Kindergarten	Child Care Centre	
Kuching	0	0	0	0	0
Samarahan	1	0	0	0	1
Sri Aman	0	0	0	0	0
Betong	1	0	0	0	1
Sarikei	0	0	0	0	0
Mukah	0	0	0	0	0
Sibu	1	0	0	0	1
Kapit	0	0	0	0	0
Bintulu	0	0	0	0	0
Miri	4	0	0	0	4
Limbang	1	0	0	0	1
<b>Total</b>	<b>8</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>8</b>



**10.3. Notified Leptospirosis cases for Epid. Week 45, 2012 compared to Epid. Week 45, 2011 and cumulative cases till Epid.Week 45 in 2012.**

District / Division	Case classification				Total		
	Confirmed		Probable		2012	2011	2010
	EW (45) 2012	EW (45) 2011	EW (45) 2012	EW (45) 2011			
Lundu	0	0	0	1	4	6	0
Bau	0	0	0	0	9 (2)	5 (1)	1
Kuching	0	0	1	2	66 (2)	40 (2)	12
<b>KUCHING</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>3</b>	<b>79 (4)</b>	<b>51 (3)</b>	<b>13</b>
Samarahan	0	0	1	0	8	3	1
Asajaya	0	0	0	0	0	3	0
Simunjan	0	0	0	1(1)	4	8 (1)	1
Serian	0	0	0	1(1)	4	10 (2)	2
<b>SAMARAHAN</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>1(1)</b>	<b>16</b>	<b>24 (3)</b>	<b>4</b>
Sri Aman	0	0	0	0	11	14 (2)	1
Lubok Antu	0	0	0	0	13	11	3 (1)
<b>SRI AMAN</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>24</b>	<b>25 (2)</b>	<b>4 (1)</b>
Betong	0	0	0	0	8	5 (1)	0
Saratok	0	0	0	0	4	6 (1)	0
<b>BETONG</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>12</b>	<b>11 (2)</b>	<b>0</b>
Sarikei	0	0	0	0	6 (1)	1	1
Meradong	0	0	0	0	2	24	1
Pakan	0	0	0	0	4 (1)	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>13 (2)</b>	<b>28</b>	<b>4</b>
Daro	0	0	0	0	0	1 (1)	1
Matu	0	0	0	0	0	0	0
Dalat	0	0	0	0	0	0	0
Mukah	0	0	0	0	0	3	1
<b>MUKAH</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4 (1)</b>	<b>2</b>
Sibu	0	0	0	0	2	2	6
Kanowit	0	0	0	0	6 (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>10 (1)</b>	<b>9</b>	<b>7</b>
Song	0	0	0	0	1	1	2
Kapit	0	0	0	1	50	12	1
Belaga	0	0	0	1	3	7 (1)	0
<b>KAPIT</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>54</b>	<b>20 (1)</b>	<b>3</b>
Tatau	0	0	0	0	2	1	0
Bintulu	0	1	0	0	6	10 (2)	6
<b>BINTULU</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>8</b>	<b>11 (2)</b>	<b>6</b>
Miri	0	0	0	0	10	16 (1)	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>12</b>	<b>18 (1)</b>	<b>5</b>
Limbang	0	0	0	0	21 (1)	2 (1)	1
Lowas	0	0	0	0	0	0	0
<b>LIMBANG</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>21 (1)</b>	<b>2 (1)</b>	<b>1</b>
<b>SARAWAK</b>	<b>0</b>	<b>1</b>	<b>2</b>	<b>7(2)</b>	<b>249 (8)</b>	<b>203 (16)</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 45, 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	22	20/07/2012
6	Bau	Taman Dayu, Jalan Sebuku Cina, Bau	2	14/09/2012

#### 10.4. Notified Melioidosis cases for Epid. Week 45, 2011 compared to Epid. Week 45, 2011 and cumulative cases until Epid. Week 45, 2012

District / Division	Case classification				Total		
	Confirmed		Probable		2012	2011	2010
	EW (45) 2012	EW (45) 2011	EW (45) 2012	EW (45) 2011			
Lundu	0	0	0	0	0	0	0
Bau	0	0	0	0	0	1	0
Kuching	0	0	0	0	3	4	12 (1)
<b>KUCHING</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>5</b>	<b>12 (1)</b>
Samarahan	0	0	0	0	1	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>1</b>	<b>2</b>	<b>1 (1)</b>
Sri Aman	0	0	0	0	0	3	0
Iuhok 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>
Sarikel	0	0	0	0	0	0	2
Meradong	0	0	0	0	0	0	2
Pakan	0	0	0	0	1	0	0
Iulau	0	0	0	0	0	0	2
<b>SARIKEI</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>6</b>
Daro	0	0	0	0	0	0	0
Matu	0	0	0	0	0	0	0
Dalat	0	0	0	0	1	0	1
Mukah	0	0	1	0	1	2	3 (1)
<b>MUKAH</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>2</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	1(1)	0	1	28	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>1</b>	<b>28</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	2	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>2</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>1(1)</b>	<b>1</b>	<b>1</b>	<b>39 (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

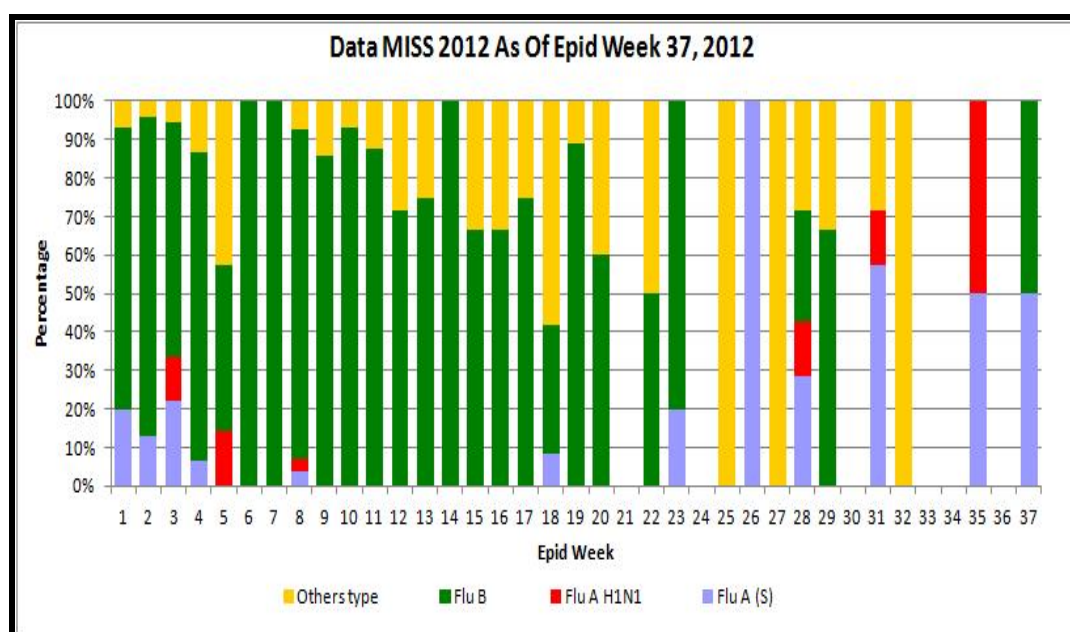
Note

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

® Hospital indicate facility where patient admitted

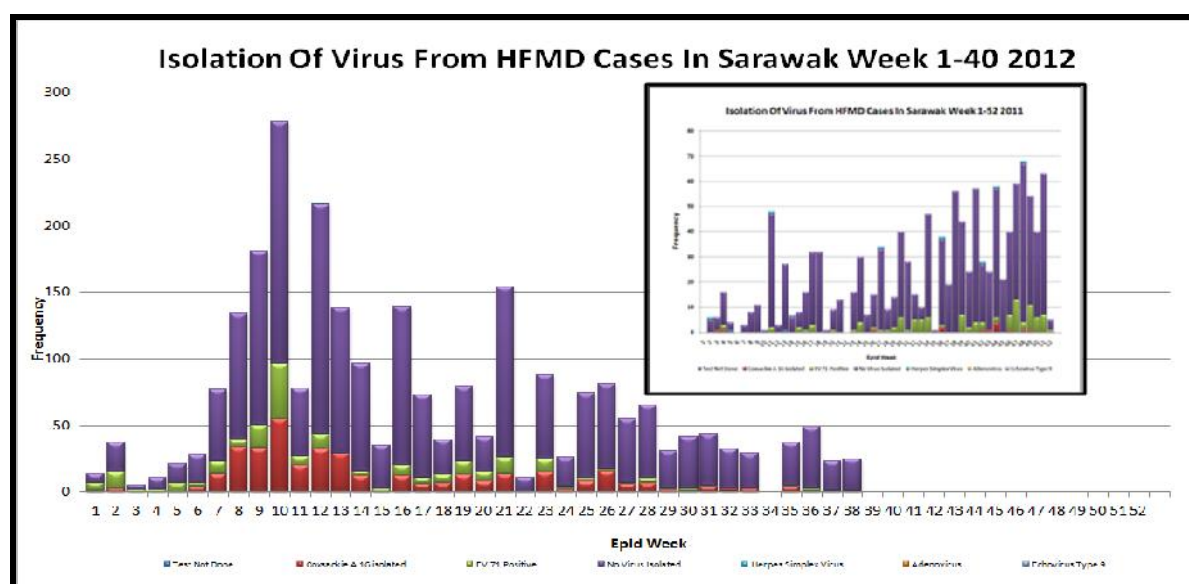
## 11. LABORATORY BASED SURVEILLANCE

### 11.1. Malaysia Influenza Surveillance System (MISS) (not included Sabah\*) from Epid Week 1 till Epid Week 37, 2012.

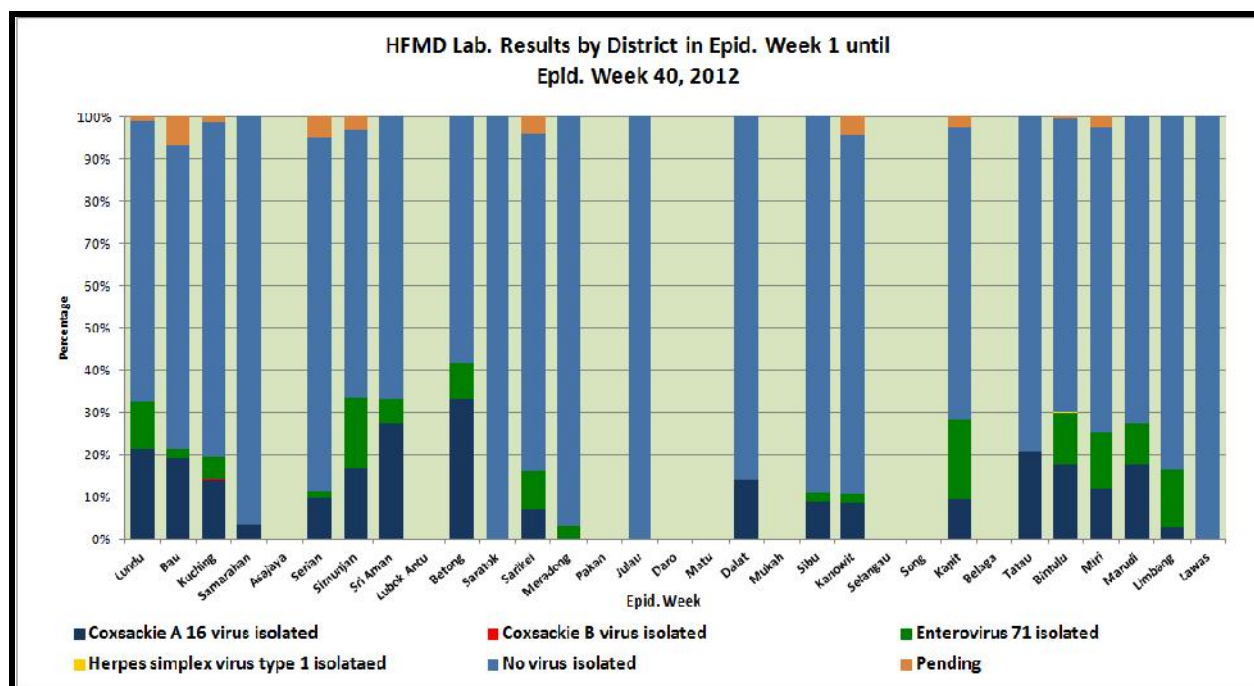


\* specimen from Sabah were analysed at MKAK Kota Kinabalu, Sabah.

### 11.3. Laboratory Based Surveillance HFMD, EW 1- EW 40, 2012 compared to 2011 in Sarawak.



As of 10<sup>th</sup> October, 2012, 2642 HFMD samples sent to MKAK Sg Buloh. Out of this, 2586 samples with result, 56 still pending and one sample was rejected. A total of 575 (22.2%) virus isolated of which 370 Coxsackie A16 (64.3%), 203 EV 71 (35.3%), 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 29<sup>th</sup> September 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 Adruce, 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 Adruce, 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
14	<b>Pegawai Epidemiologi Bahagian</b> Bahagian Miri Dr. Veronica Lugah	Pejabat Kesihatan Bahagian, Bahagian Miri, Jalan Temenggong Oyong Lawai Jau, 98000 MIRI.	verolugah@yahoo.com	Tel: 086-424722 Fax: 086-429987 Hp: 019-6061847
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.