



# SARAWAK WEEKLY EPID NEWS

Sarawak Health Department

EPID. WEEK 3

13<sup>th</sup> – 19<sup>th</sup> January

## INFECTIOUS DISEASE/CRISIS HIGHLIGHTS IN SARAWAK

Local update:

Dengue cases still above the outbreak level in the state. See detail in page 15.

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CPRC (CRISIS PREPAREDNESS AND RESPONSE CENTRE)

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## 2. NEW OUTBREAKS/CLUSTERS

No	Disease	District	Locality	Case (No)	Outbreak declared
1.	Malaria	Belaga	Lg. Jaik	Pv, 2	16.01.2013

### 3. SUMMARY OF MANDATORY NOTIFIABLE DISEASES REPORTED IN EPID. WEEK 3, 2013

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					6																
Bau											5										2						1
Kuching						5				6	32		2		2						5			1			
Samarahan										3	3										3						
Asajaya										2											1						
Simunjan											1																
Serian											13										3						
Sri Aman						6					11										1						
L/ Antu											4																
Betong						4					9																
Saratok						1							1								1						
Sarikei						2					7										1	1					
Meradong											4										2						
Pakan						1					3																
Julau						1					3																
Daro											2																
Matu																											
Dalat																											
Mukah											1										1						
Sibu						6				1	15		1		1												
Kanowit						2					2																
Selangau						2					1																
Song						2					1		2														
Kapit						3	1				3		2														
Belaga						1					1		4														1
Tatau											2										1						
Bintulu						16					4		2														1
Miri	2/0					6				1	83				2									3			
Marudi											7																
Limbang						1					2										2						1
Lawas						7							1														
TOTAL (Week 3)	2/0	0	0	0	0	67	1	0	0	13	225	0	15	0	5	0	0	0	3	0	23	1	0	4	0	0	4
Total (2013)	14/3	0	0	0	0	150	2	0	3	35	495	0	47	0	18	0	0	0	10	0	53	3	0	10	0	0	25
Total (2012)	159/102	0	0	111	0	1519	38	0	1463	479	13495	46	1573	12	724	0	0	0	271	1	2187	33	0	177	1	0	271
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 3, 2013

Division	Food poisoning outbreak	Dysentery		Typhoid Fever		Paratyphoid fever		Cholera	Hepatitis A	
		S	C	S	C	S	C		S	C
Kuching	0	0	0	0	0	0	0	0	0	0
Samarahan	0	0	0	0	0	0	0	0	0	0
Sri Aman	0	0	0	0	0	0	0	0	0	0
Betong	0	0	0	0	0	0	0	0	0	0
Sarikei	0	2	0	2	1	0	0	0	0	0
Sibu	1	3	0	1	0	0	0	0	0	0
Kapit	1	2	0	0	0	0	0	0	0	0
Mukah	0	0	0	0	0	0	0	0	0	0
Bintulu	0	4	0	1	0	0	0	0	0	0
Miri	1	0	0	0	0	0	0	0	0	0
Limbang	0	0	0	0	0	0	0	0	0	0
Sarawak	3	11	0	4	1	0	0	0	0	0

Note: S = Suspected; C = Confirmed

## 5. SURVEILLANCE REPORT ON VACCINE PREVENTABLE DISEASES

### 5.1. Total number of Vaccine Preventable Diseases (VPD) by division from Epid Week 1 until Epid Week 3, 2013

Division	TYPES OF DISEASES												
	Measles					Rubella	Tetanus	Hepatitis B		Hepatitis C		Whooping Cough	
	Suspected (Registered Cases in SM2)	Confirmed			Discard	Lab. Confirmed	C	Acute	Chronic	Acute	Chronic	S	C
		Lab. Confirmed	Clinically Confirmed	Epid. Link									
Kuching	5	0	0	0	0	0	0	0	0	2	1	1	0
Samarahan	4	0	0	0	0	0	0	0	0	1	0	2	0
Sri Aman	0	0	0	0	0	0	0	0	0	0	0	0	0
Betong	2	0	0	0	0	0	0	0	1	0	0	0	0
Sarikei	0	0	0	0	0	0	0	0	0	0	0	0	0
Sibu	1	0	0	0	0	0	0	0	0	0	0	0	0
Kapit	1	0	0	0	0	0	0	0	0	0	0	0	0
Mukah	0	0	0	0	0	0	0	0	1	0	0	1	0
Bintulu	0	0	0	0	0	0	1	0	0	0	0	0	0
Miri	4	0	0	0	0	0	0	0	0	0	3	0	0
Limbang	1	0	0	0	0	0	0	0	1	0	0	0	0
<b>Sarawak</b>	<b>18</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>4</b>	<b>4</b>	<b>0</b>

Note: S = suspected; C = confirmed

#### Case Definition for 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

#### Case Classification for Measles :

- Suspected: any person diagnosed as measles by clinician
- Confirmed
  - lab-confirmed – by serology or viral culture
  - epid link – a case that link to a lab confirmed case
  - clinically confirmed – meets clinical case definition with no specimen taken or no epid link.
- Discard :
  - negative IgM measles or
  - positive measles case within 1-6 weeks measles/MMR vaccination

## 5.2. Measles Elimination Programme (MEP) Achievement by Division from Epid. Week 1 until Epid Week 3, 2013

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	5	3 (60.00%)	5 (100.00%)	5 (100.00%)
Samarahan	4	4(100.00%)	4 (100.00%)	4 (100.00%)
Sri Aman	0	0 (0.00%)	0 (0.00%)	0 (0.00%)
Betong	2	2(100.00%)	1 (50.00%)	2 (100.00%)
Sarikei	0	0 (0.00%)	0 (0.00%)	0 (0.00%)
Sibu	1	1 (100.00%)	1 (100.00%)	1 (100.00%)
Kapit	1	1 (100.00%)	1 (100.00%)	0 (0.00%)
Mukah	0	0 (0.00%)	0 (0.00%)	0 (0.00%)
Bintulu	0	0 (0.00%)	0 (0.00%)	0 (0.00%)
Miri	4	3 (75.00%)	3 (75.00%)	4 (100.00%)
Limbang	1	1 (100.00%)	1 (100.00%)	1 (100.00%)
<b>Sarawak</b>	<b>18</b>	<b>15 (83.33%)</b>	<b>16 (88.89%)</b>	<b>17 (94.44%)</b>

### Strategies for MEP :

- I. Vaccination strategies
  - at least 95% coverage of 1<sup>st</sup> dose MMR at 1 year
  - 2<sup>nd</sup> dose MMR at 7 years
- II. Surveillance strategies: Enhanced surveillance in epidemiology and lab
- III. Laboratory strategies\*:
  - Confirm all suspected case
  - Isolate and analyses wild measles virus
- IV. Response to outbreak \*
- V. Case management
- VI. Training

### Adequate Investigation :

- Investigation within 48 hours of notification
- Include following data : age, sex, date of rash onset, date of specimen collection, vaccination status, date of last vaccination and district.

### MCV Vaccination History

- MCV started on 1982
- MCV1 with MMR at 12 month old – July 2002
- MCV2 with MMR at 7 year old – early 2004
- KICK
  - 8 – 15 year old April – September 2004
  - 17 year old – 2005

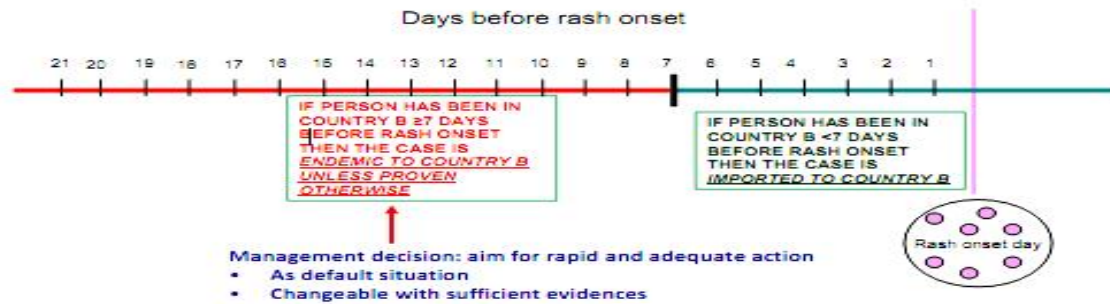
31 years old – now in 2013

25 years old – now in 2013

### Determining whether endemic or imported measles cases

According to days spent outside country B before Rash Onset

*On what day did the rash appear? What is the travel history in the last month?*



### Clinical Case Definition for Pertussis

- A person with a cough lasting at least 2 weeks
  - **WITH** at least one of the following:
    - Paroxysms of coughing,
    - Inspiratory "whoop," or
    - Post-tussive vomiting,
  - **AND**
  - without other apparent cause (as reported by a health professional).

(MOH, 2012)

## 5.4 Acute Flaccid Paralysis (AFP)

Reported AFP cases in Sarawak, in Epid Week 1-3, 2013.

Division	Population age < 15	Reported AFP 2012	<sup>1</sup> Expected AFP 2013	Reported AFP 2013	Indicators		
					<sup>2</sup> Adequate stool	<sup>3</sup> Adequate follow up	Discard category
Kuching	238,400	1	2	0	0	0	0
Samarahan	79,300	3	1	0	0	0	0
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	1	1	0	0	0	0
Miri	123,500	2	1	0	0	0	0
Bintulu	75,800	1	1	0	0	0	0
Limbang	30,400	0	1	0	0	0	0
<b>TOTAL</b>	<b>854.7</b>	<b>8</b>	<b>12</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</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 at 24 hours apart within 14 days from the onset of paralysis :  
Target >80%

-<sup>3</sup>Follow-up examination for residual paralysis at 60 days after onset of paralysis : Target >80%

### Case Definition of AFP :

Sudden onset of acute paralysis especially in the legs or arms in children less than 15 years old.



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

### 6.1 Notified HIV/AIDS cases for Epid. Week 3, 2013 and cumulative cases from Epid.Week 1,2013.

District / Division	2013			
	EW 3		Cumulative	
	HIV	AIDS	HIV	AIDS
Lundu	0	0	0	0
Bau	0	0	0	0
Kuching	0	0	4	2
<b>KUCHING</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>2</b>
Samarahan	0	0	3	0
Asajaya	0	0	0	0
Simunjan	0	0	0	0
Serian	0	0	0	0
<b>SAMARAHAN</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>0</b>
Sri Aman	0	0	0	0
LubokAntu	0	0	0	0
<b>SRI AMAN</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Betong	0	0	0	0
Saratok	0	0	0	0
<b>BETONG</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Sarikei	0	0	0	0
Meradong	0	0	0	0
Pakan	0	0	0	0
Julau	0	0	0	0
<b>SARIKEI</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Daro	0	0	0	0
Matu	0	0	0	0
Dalat	0	0	0	0
Mukah	0	0	0	0
<b>MUKAH</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Sibu	0	0	0	0
Kanowit	0	0	0	0
Selangau	0	0	0	0
<b>SIBU</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Song	0	0	0	0
Kapit	0	0	0	0
Belaga	0	0	1	0
<b>KAPIT</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>
Tatau	0	0	0	0
Bintulu	0	0	1	1
<b>BINTULU</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>
Miri	2	0	5	0
Marudi	0	0	0	0
<b>MIRI</b>	<b>2</b>	<b>0</b>	<b>5</b>	<b>0</b>
Limbang	0	0	0	0
Lawas	0	0	0	0
<b>LIMBANG</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Sarawak</b>	<b>2</b>	<b>0</b>	<b>8</b>	<b>3</b>

EW = Epid. Week; Cum. = Cumulative figure

**6.2 Notified Gonorrhoea and Syphilis (all forms) cases for Epid. Week 3, 2013 and Cumulative cases Epid. Week 3, 2013.**

District / Division	Gonorrhoea		Syphilis (all forms)	
	EW 3	Cum.	EW 3	Cum.
Lundu	0	0	0	0
Bau	0	0	0	0
Kuching	6	16	0	0
<b>KUCHING</b>	<b>6</b>	<b>16</b>	<b>0</b>	<b>0</b>
Samarahan	2	8	0	0
Asajaya	3	3	0	0
Simunjan	0	0	0	1
Serian	0	0	0	0
<b>SAMARAHAN</b>	<b>5</b>	<b>11</b>	<b>0</b>	<b>1</b>
Sri Aman	0	0	0	0
Lubok Antu	0	0	0	1
<b>SRI AMAN</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>
Betong	0	0	0	0
Saratok	0	0	0	0
<b>BETONG</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Sarikei	0	1	0	0
Meradong	0	1	0	2
Pakan	0	0	0	0
Julau	0	0	0	0
<b>SARIKEI</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>2</b>
Daro	0	0	0	0
Matu	0	0	0	0
Dalat	0	0	1	1
Mukah	0	0	0	0
<b>MUKAH</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>
Sibu	1	5	1	3
Kanowit	0	0	0	0
Selangau	0	0	1	1
<b>SIBU</b>	<b>1</b>	<b>5</b>	<b>2</b>	<b>4</b>
Song	0	0	0	0
Kapit	0	0	0	0
Belaga	0	0	0	0
<b>KAPIT</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Tatau	0	0	0	0
Bintulu	0	0	0	0
<b>BINTULU</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Miri	1	1	0	0
Marudi	0	0	0	1
<b>MIRI</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>1</b>
Limbang	0	0	0	0
Lawas	0	0	0	0
<b>LIMBANG</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Sarawak</b>	<b>13</b>	<b>35</b>	<b>3</b>	<b>10</b>

EW = Epid. Week; Cum. = Cumulative figure

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

### 7.1 Notified Tuberculosis cases for Epid. Week 3, 2013 compared to Epid. Week 3, 2012 and cumulative cases until Epid. Week 3, 2013.

District / Division	2013		2012		
	EW 2	Cum.	EW 2	Cum.	Total
Lundu	0	0	0	0	38
Bau	2	2	1	1	38
Kuching	5	14	8	15	501
KUCHING	7	16	9	16	577
Samarahan	3	4	0	1	44
Asajaya	1	1	0	0	22
Simunjan	0	3	1	1	47
Serian	3	3	1	2	40
SAMARAHAN	7	11	2	4	153
Sri Aman	1	1	1	2	63
LubokAntu	0	5	1	3	44
SRI AMAN	1	6	2	5	107
Betong	0	0	3	4	52
Saratok	1	1	1	1	59
BETONG	1	1	4	5	111
Sarikei	1	1	0	0	73
Meradong	2	2	1	1	38
Pakan	0	0	0	0	32
Julau	0	1	1	2	20
SARIKEI	3	4	2	3	163
Daro	0	0	0	0	27
Matu	0	0	0	0	10
Dalat	0	0	0	1	13
Mukah	1	2	0	1	64
MUKAH	1	2	0	2	114
Sibu	0	0	4	16	226
Kanowit	0	1	0	0	41
Selangau	0	0	0	1	51
SIBU	0	1	4	17	318
Song	0	1	1	2	10
Kapit	0	0	1	2	60
Belaga	0	0	1	1	47
KAPIT	0	1	3	5	117
Tatau	1	1	0	2	53
Bintulu	0	4	2	4	252
BINTULU	1	5	2	6	305
Miri	2	5	6	11	310
Marudi	0	0	0	2	81
MIRI	2	5	6	13	391
Limbang	0	0	1	2	52
Lawas	0	1	2	4	22
LIMBANG	0	1	3	6	74
<b>Sarawak</b>	<b>23</b>	<b>53</b>	<b>37</b>	<b>82</b>	<b>2430</b>

EW = Epid. Week; Cum. = Cumulative figure

### 7.2 Notified Leprosy cases for Epid. Week 3, 2013 compared to Epid. Week 3, 2012 and cumulative cases until Epid. Week 3, 2013.

District / Division	2013		2012		
	EW 2	Cum.	EW 2	Cum.	Total
Lundu	0	0	0	0	0
Bau	0	0	0	0	0
Kuching	0	0	0	0	1
KUCHING	0	0	0	0	1
Samarahan	0	0	0	0	0
Asajaya	0	0	0	0	0
Simunjan	0	0	0	0	0
Serian	0	0	0	0	1
SAMARAHAN	0	0	0	0	1
Sri Aman	0	0	0	0	1
LubokAntu	0	0	0	0	0
SRI AMAN	0	0	0	0	1
Betong	0	0	0	0	0
Saratok	0	0	0	0	0
BETONG	0	0	0	0	0
Sarikei	0	0	0	0	1
Meradong	0	0	0	0	0
Pakan	0	0	0	0	0
Julau	0	0	0	0	2
SARIKEI	0	0	0	0	3
Daro	0	0	0	0	1
Matu	0	0	0	0	0
Dalat	0	0	0	0	0
Mukah	0	0	0	0	5
MUKAH	0	0	0	0	6
Sibu	0	0	0	0	5
Kanowit	0	0	0	0	0
Selangau	0	0	0	0	0
SIBU	0	0	0	0	5
Song	0	0	0	0	0
Kapit	0	0	0	0	0
Belaga	0	0	0	0	4
KAPIT	0	0	0	0	4
Tatau	0	0	0	0	0
Bintulu	0	0	0	0	2
BINTULU	0	0	0	0	2
Miri	0	0	0	0	9
Marudi	0	0	0	0	11
MIRI	0	0	0	0	20
Limbang	0	0	0	0	1
Lawas	0	0	0	0	0
LIMBANG	0	0	0	0	1
<b>Sarawak</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>44</b>

### 7.3 Notified Tuberculosis (all forms) Case Classification as on 19<sup>th</sup> January 2013

District / Division	Case classification					
	Positive smear		Negative smear		Extra PTB	
	EW 3	Cum.	EW 3	Cum.	EW 3	Cum.
Lundu	0	0	0	0	0	0
Bau	2	2	0	0	0	0
Kuching	0	3	2	8	3	3
<b>KUCHING</b>	<b>2</b>	<b>5</b>	<b>2</b>	<b>8</b>	<b>3</b>	<b>3</b>
Samarahan	1	1	2	3	0	0
Asajaya	1	1	0	0	0	0
Simunjan	0	2	0	1	0	0
Serian	1	1	2	2	0	0
<b>SAMARAHAN</b>	<b>3</b>	<b>5</b>	<b>4</b>	<b>6</b>	<b>0</b>	<b>0</b>
Sri Aman	1	1	0	0	0	0
LubokAntu	0	2	0	2	0	1
<b>SRI AMAN</b>	<b>1</b>	<b>3</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>1</b>
Betong	0	0	0	0	0	0
Saratok	1	1	0	0	0	0
<b>BETONG</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Sarikei	0	0	1	1	0	0
Meradong	1	1	0	0	1	1
Pakan	0	0	0	0	0	0
Julau	0	1	0	0	0	0
<b>SARIKEI</b>	<b>1</b>	<b>2</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>
Daro	0	0	0	0	0	0
Matu	0	0	0	0	0	0
Dalat	0	0	0	0	0	0
Mukah	1	2	0	0	0	0
<b>MUKAH</b>	<b>1</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Sibu	0	0	0	0	0	0
Kanowit	0	0	0	1	0	0
Selangau	0	0	0	0	0	0
<b>SIBU</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>
Song	0	1	0	0	0	0
Kapit	0	0	0	0	0	0
Belaga	0	0	0	0	0	0
<b>KAPIT</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Tatau	0	0	1	1	0	0
Bintulu	0	0	0	4	0	0
<b>BINTULU</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>5</b>	<b>0</b>	<b>0</b>
Miri	2	5	0	0	0	0
Marudi	0	0	0	0	0	0
<b>MIRI</b>	<b>2</b>	<b>5</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Limbang	0	0	0	0	0	0
Lawas	0	1	0	0	0	0
<b>LIMBANG</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Sarawak</b>	<b>11</b>	<b>25</b>	<b>8</b>	<b>23</b>	<b>4</b>	<b>5</b>

EW = Epid. Week; Cum. = Cumulative figure

#### 7.4 Notified Tuberculosis (all forms) Patient Classification as on 19<sup>th</sup> January 2013.

District / Division	Patient Classification											
	Children		Health care worker				PUSPEN/Prison		Foreigner		Care Centre	
	EW 3	Cum.	*Exposed		*Not exposed		EW 3	Cum.	EW 3	Cum.	EW 3	Cum.
			EW 3	Cum.	EW 3	Cum.						
Lundu	0	0	0	0	0	0	0	0	0	0	0	0
Bau	0	0	0	0	0	0	0	0	0	0	0	0
Kuching	0	0	0	1	0	1	0	0	0	0	0	0
KUCHING	0	0	0	1	0	1	0	0	0	0	0	0
Samarahan	0	0	0	0	0	0	0	0	0	0	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	0	0	0
Serian	1	1	0	1	0	1	0	0	0	0	0	0
SAMARAHAN	1	1	0	1	0	1	0	0	0	0	0	0
Sri Aman	0	0	0	0	0	0	0	0	0	0	0	0
LubokAntu	0	0	0	0	0	0	0	0	0	0	0	0
SRI AMAN	0	0	0	0	0	0	0	0	0	0	0	0
Betong	0	0	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	0	0	0	0	0	0	0	0	0	0	0
Sarikei	0	0	0	0	0	0	0	0	0	0	0	0
Meradong	0	0	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	0	0	0	0	0	0	0	0	0	0	0
Daro	0	0	0	0	0	0	0	0	0	0	0	0
Matu	0	0	0	0	0	0	0	0	0	0	0	0
Dalat	0	0	0	0	0	0	0	0	0	0	0	0
Mukah	0	0	0	0	0	0	0	0	1	1	0	0
MUKAH	0	0	0	0	0	0	0	0	1	1	0	0
Sibu	0	0	0	0	0	0	0	0	0	0	0	0
Kanowit	0	0	0	0	0	0	0	0	0	0	0	0
Selangau	0	0	0	0	0	0	0	0	0	0	0	0
SIBU	0	0	0	0	0	0	0	0	0	0	0	0
Song	0	0	0	0	0	0	0	0	0	0	0	0
Kapit	0	0	0	0	0	0	0	0	0	0	0	0
Belaga	1	1	0	0	0	0	0	0	0	0	0	0
KAPIT	1	1	0	0	0	0	0	0	0	0	0	0
Tatau	0	0	0	0	0	0	0	0	0	0	0	0
Bintulu	0	1	0	0	0	0	0	0	0	0	0	0
BINTULU	0	1	0	0	0	0	0	0	0	0	0	0
Miri	0	0	0	0	0	0	0	0	1	1	0	0
Marudi	0	0	0	0	0	0	0	0	0	0	0	0
MIRI	0	0	0	0	0	0	0	0	1	1	0	0
Limbang	0	0	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	0	0	0	0	0	0	0	0	0	0	0
Sarawak	2	3	0	2	0	2	0	0	2	2	0	0

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

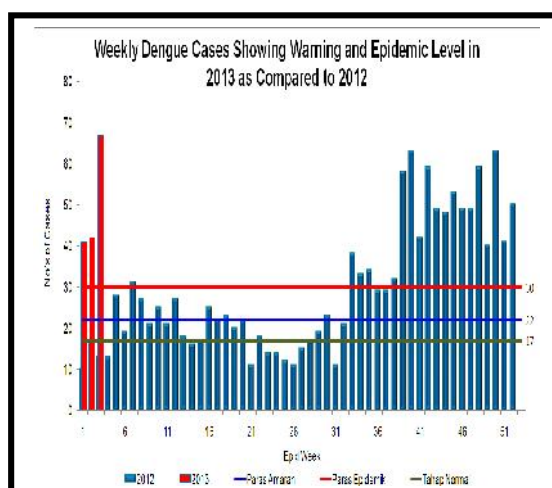
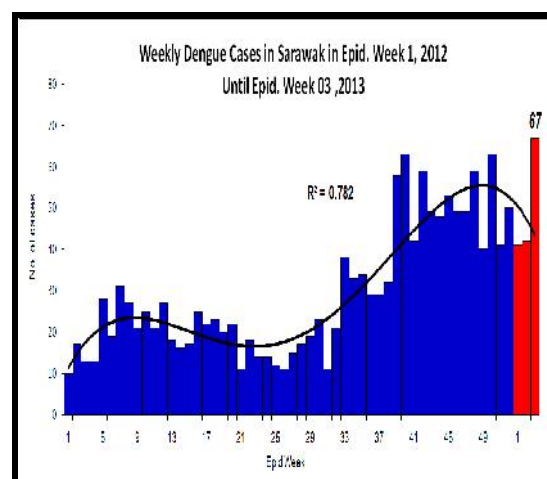
\* Possibility of exposed or not exposed to TB patient

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 3, 2013 compared to Epid. Week 3, 2012 and cumulative cases until Epid. Week 3, 2013.

District	2013		2012		Total
	EW 3	Cum.	EW 3	Cum.	
Lundu	1	1	0	2	14
Bau	0	2	1	2	39
Kuching	5	14	2	5	164
Samarahan	0	0	1	2	37
Asajaya	0	0	0	0	7
Serian	0	3	0	0	22
Simunjan	0	1	0	0	19
Sri Aman	6	12	0	2	108
Lubok Antu	0	3	0	1	74
Betong	4	7	0	1	66
Saratok	1	5	0	0	38
Sarikei	2	4	2	3	50
Meradong	0	3	0	1	65
Pakan	1	4	1	1	57
Julau	1	3	0	0	49
Daro	0	0	0	0	7
Matu	0	1	0	0	9
Dalat	0	0	0	0	9
Mukah	0	0	0	0	13
Sibu	6	11	0	2	86
Kanowit	2	3	0	1	19
Selangau	2	3	1	1	10
Song	2	4	0	1	29
Kapit	3	11	0	3	89
Belaga	1	3	0	1	42
Tatau	0	1	0	1	37
Bintulu	16	22	1	1	121
Miri	6	16	4	9	126
Marudi	0	1	0	0	45
Limbang	1	1	0	0	32
Lawas	7	11	0	0	36
<b>Sarawak</b>	<b>67</b>	<b>150</b>	<b>13</b>	<b>40</b>	<b>1519</b>

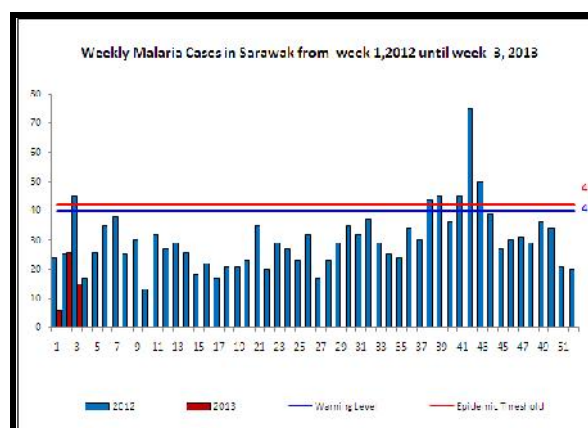
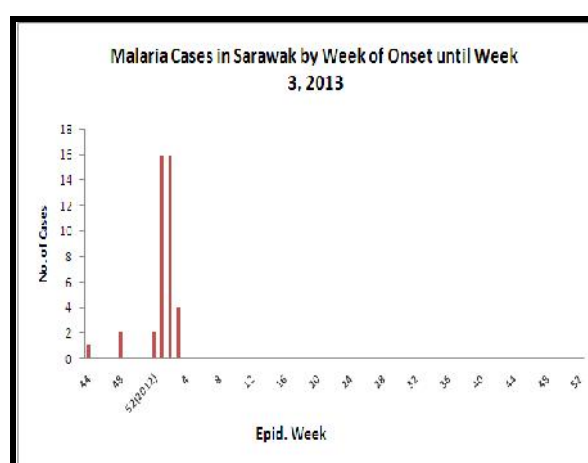
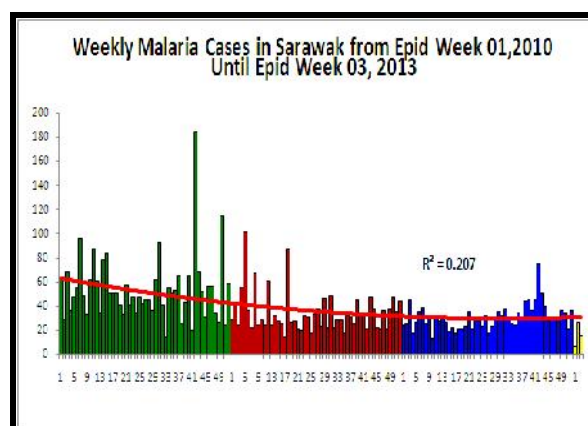


There was no new outbreak reported for Epid. Week 3. The cumulative of active outbreak localities are two (2) from Kapit district (1) and Bintulu district (1).

EW = Epid. Week; Cum. = Cumulative figure

**8.2. Notified Malaria cases for Epid. Week 3, 2013 compared to Epid. Week 3, 2012 and cumulative cases until Epid. Week 3 in 2013.**

District	2013		2012		Total
	EW 3	Cum.	EW 3	Cum.	
Lundu	0	0	0	0	12
Bau	0	0	0	0	1
Kuching	2	2	0	0	18
Samarahan	0	0	0	0	3
Asajaya	0	0	0	0	0
Serian	0	0	0	0	6
Simunjan	0	1	0	0	9
Sri Aman	0	0	0	1	20
Lubok Antu	0	0	0	0	26
Betong	0	1	0	1	77
Saratok	1	2	0	0	41
Sarikei	0	0	2	2	18
Meradong	0	0	0	0	12
Pakan	0	1	2	6	65
Julau	0	1	3	5	93
Daro	0	0	0	0	6
Matu	0	0	0	0	1
Dalat	0	0	0	1	7
Mukah	0	0	1	1	2
Sibu	1	3	4	7	67
Kanowit	0	0	3	3	79
Selangau	0	0	1	2	40
Song	2	5	2	4	107
Kapit	2	8	6	16	236
Belaga	4	9	1	4	171
Tatau	0	0	0	0	28
Bintulu	2	4	0	1	32
Miri	0	0	1	4	29
Marudi	0	1	18	27	257
Limbang	0	2	0	5	30
Lawas	1	7	1	4	80
<b>Sarawak</b>	<b>15</b>	<b>47</b>	<b>45</b>	<b>94</b>	<b>1573</b>



A total of 15 cases were reported on week 3, 2013. Cumulative cases till week 3 were 47 cases. Of the 15 cases, 4 cases (26.7%) from Belaga District, 2 cases (13.3%) from Kuching, Song, Kapit and Bintulu, 1 case (6.7%) from Saratok, Sibu and Lawas.

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	2013	
	EW 3	Cum.
Passive Case Detection (PCD)	13	42
Active Case Detection (ACD)	1	2
Investigation slides ( INV)	0	0
Mass Blood Survey (MBS)	0	0
Follow-up	1	3
<b>Total</b>	<b>15</b>	<b>47</b>

### 8.2.2 Malaria cases by species and case classification

Species	Indigenous	Imported	Relapsed	EW3	Cum. 2013
<i>Plasmodium vivax</i>	2	3	1	6	15
<i>Plasmodium falciparum</i>	0	1	0	1	2
<i>Plasmodium malariae</i>	1	0	0	1	1
<i>Plasmodium knowlesi</i>	7	0	0	7	29
<i>Plasmodium ovale</i>	0	0	0	0	0
<i>Mixed infection</i>	0	0	0	0	0
<b>Total</b>	<b>10</b>	<b>4</b>	<b>1</b>	<b>15</b>	<b>47</b>

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

No.	District reported	Source of infection	Outbreak Locality	Nationality	Age	Gender	Species
1	Bintulu	KKB Greengrow, PNG	S. Merh/Lg. Bela. R. Wan Usin, 247	Malaysian	42	Male	<i>P. vivax</i>
2	Sibu	KKB Rimbunan Hijau, Gabon, Afrika	Jln. Sibu Jaya 5b, 500	Malaysian	57	Male	<i>P. vivax</i>
3	Bintulu	KKB Green Ville, Monrovia, Liberia		Malaysian	42	Male	<i>P. falciparum</i>
4.	Kapit	KKB Golden Mometon, Bupin, Myanmar	N. Ibau Tr. Jampong, 47	Malaysian	43	Male	<i>P. vivax</i>

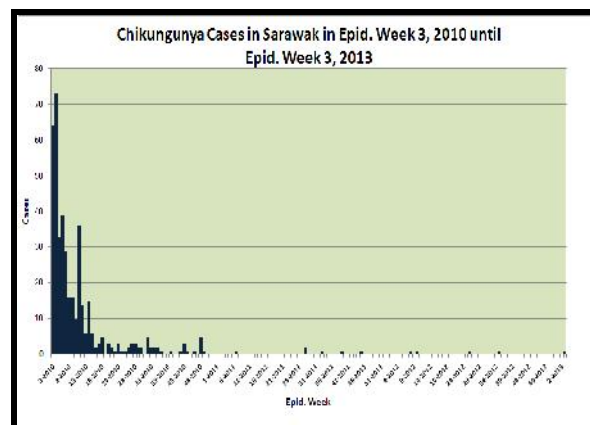
KKB = Kem Kayu Balak (Logging Camp)

**Case Definition Imported A** = Source of infection from other country



**8.3. Notified Chikungunya cases for Epid. Week 3, 2013 compared to Epid. Week 3, 2012 and cumulative cases in Epid. Week 3 in 2013.**

District	2013		2012		Total
	EW 3	Cum.	EW 3	Cum.	
Lundu	0	0	0	0	1
Bau	0	0	0	0	0
Kuching	1	1	0	0	1
Samarahan	0	0	0	0	0
Asajaya	0	0	0	0	1
Serian	0	0	0	0	0
Simunjan	0	0	0	0	0
Sri Aman	0	0	0	0	0
Lubok Antu	0	0	0	0	1
Betong	0	0	0	0	0
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	0
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	0	0	0	1
Kapit	0	0	0	0	0
Belaga	0	0	0	0	1
Tatau	0	0	0	0	0
Bintulu	0	0	0	0	0
Miri	0	0	0	0	0
Marudi	0	0	0	0	0
Limbang	0	0	0	0	0
Lawas	0	0	0	0	0
Sarawak	1	1	0	0	6



EW = Epid. Week; Cum. = Cumulative figure

#### 8.4. Filariasis

No case of Filariasis was reported in Epid Week 3, 2013. During the same period in 2012, no case was reported. The cumulative case of Filariasis for 2013 is 0.

#### 8.5 Japanese Encephalitis (JE)

One case of Japanese Encephalitis (JE) was reported in Epid Week 3, 2013. During the same period in 2012, no case was reported. The cumulative case of Japanese Encephalitis for 2013 is 2.

### 9. SURVEILLANCE REPORT ON OTHER INFECTIOUS DISEASES

#### 9.1. Viral Encephalitis

No case reported. As at 19<sup>th</sup> January 2013, no case of Viral Encephalitis reported.

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

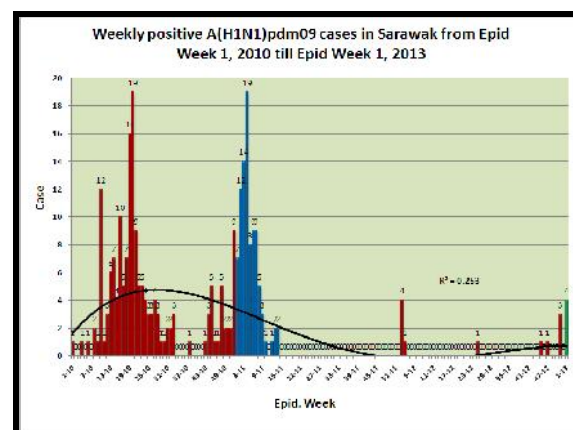
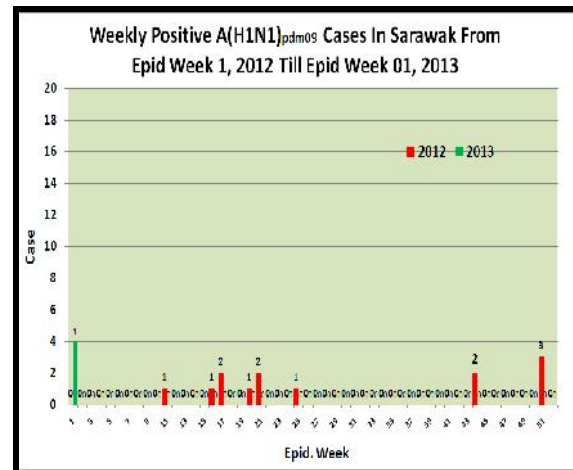
No	Type of Viral Hepatitis	Epid Week 3	Cum. 2013
1	Hepatitis A	0	0
2	Acute Hepatitis B	0	0
3	Chronic Hepatitis B	0	3
4	Acute Hepatitis C	1	3
5	Chronic Hepatitis C	3	4

## 10. EMERGING/RE-EMERGING INFECTIOUS AND ZOOONOTIC DISEASES

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

10.1.1 Positive Pandemic Influenza A/H1N1<sub>pdm09</sub> as for Epid. Week 3, 2013 compared to Epid. Week 3, 2012 and cumulative cases in Epid. Week 3 in 2013.

District	2013		2012		Total
	EW 03	Cum.	EW 03	Cum.	
Lundu	0	0	0	0	0
Bau	0	0	0	0	0
Kuching	0	5	0	0	5
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	1	1	0	0	0
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	0	0
Kanowit	0	0	0	0	0
Song	0	0	0	0	0
Kapit	0	0	0	0	0
Belaga	0	0	0	0	2
Tatau	0	0	0	0	1
Bintulu	0	0	0	0	5
Miri	0	0	0	0	0
Marudi	0	0	0	0	0
Limbang	0	0	0	0	0
Lawas	0	0	0	0	0
<b>SARAWAK</b>	<b>1</b>	<b>6</b>	<b>0</b>	<b>0</b>	<b>13</b>

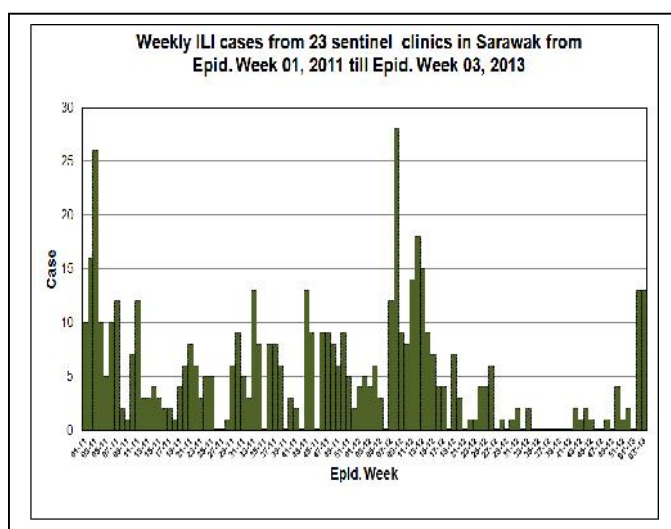


Age Group (Year)	Gender	
	Male	Female
Less Than 1yr	0	0
1-6	2	0
7-12	0	0
13-19	0	0
20-30	0	1
31-40	0	0
41-50	0	0
More than 50 yrs	1	0

Positive H1N1 Cases by Age Group and Gender

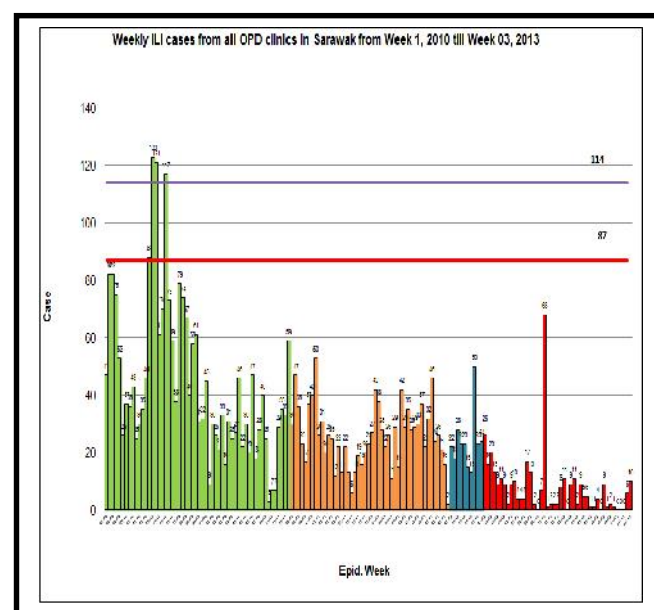
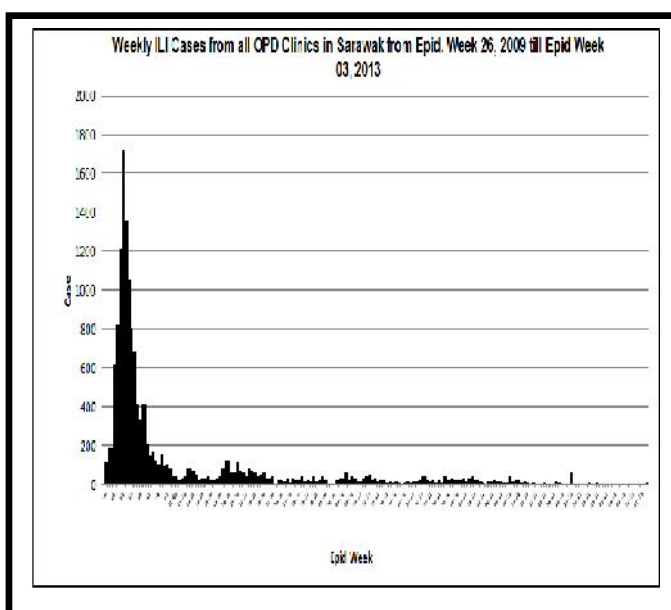
EW = Epid. Week; Cum. = cumulative figure

### 10.1.2 Outpatient Influenza-Like Illness (ILI) Surveillance from Epid.Week 1 in 2011 till Epid. Week 3 in 2013.



In Epid. Week 1, 2013, 13 cases of ILI reported from 22 Sentinel clinics and 6 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).



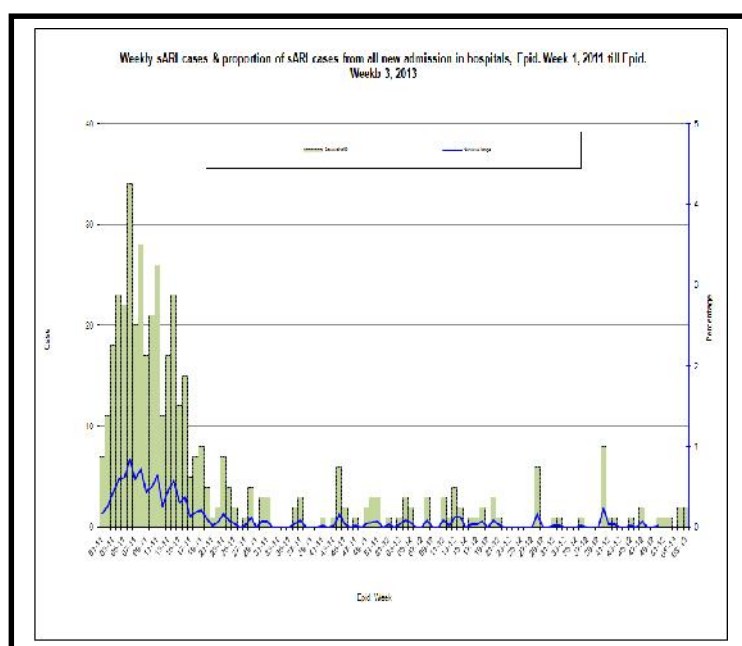
Referring to a letter dated 25 January 2011 from Office of the Deputy Director-General of Health (Public Health), Department of Public Health, Ministry of Health Malaysia about **PEMANTAUAN AKTIVITI A/H1N1pdm09 SECARA BERTERUSAN**, all PKB/PKD must send their daily H1N1 report as well as ILI and sARI 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 19<sup>th</sup> January 2013.

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 19<sup>th</sup> January 2012.

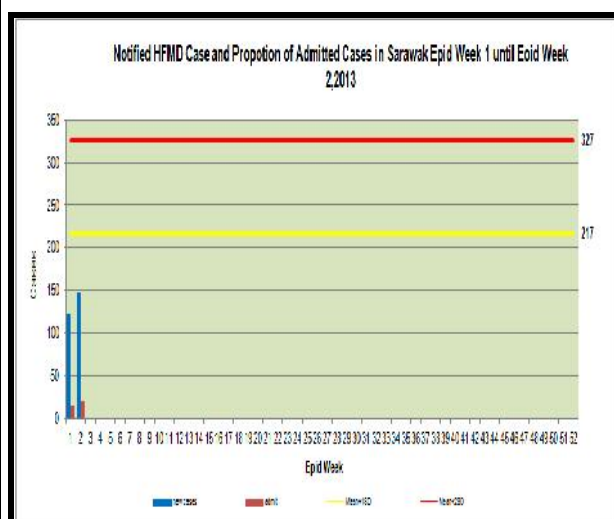
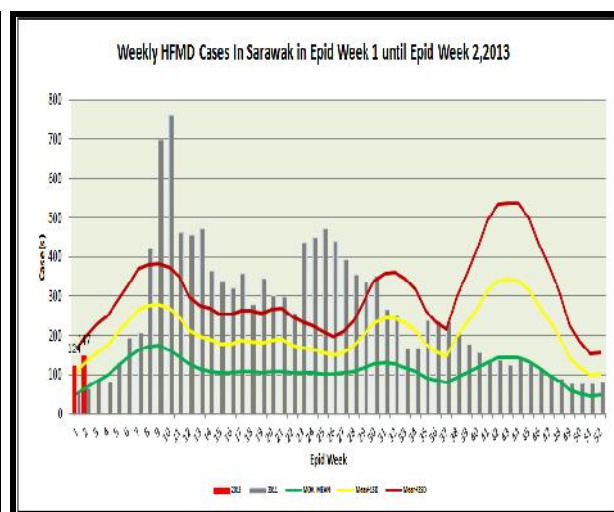
Division	Hospital	New EW 3	Cumulative 2013	No. of Inpatient			No. of Patient on Ventilator	Throat swabs		
				ICU	ISO	Other wards		Positive	Pending	Negative
Kuching	SGH Kuching	4	9	1	0	3	0	1	1	2
	Bau	0	0	0	0	0	0	0	0	0
	Lundu	0	0	0	0	0	0	0	0	0
	RCBM	0	0	0	0	0	0	0	0	0
	Sentosa	0	0	0	0	0	0	0	0	0
Samarahan	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	0	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	1	3	0	0	1	0	0	0	1
Miri	Miri	0	0	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		5	12	1	0	4	0	1	1	3

EW = Epid. Week; Cum. = Cumulative figure

Five sARI cases were reported in Epid Week 3, 2013 from Sarawak General Hospital, Kuching (4) and Bintulu Hospital (1). The result is one case positive, one case negative and three case pending for H1N1.

**10.2. Notified HFMD (Masterlist) cases for Epid. Week 3, 2013 compared to Epid. Week 3, 2012 and cumulative cases until Epid. Week 3, 2013.**

District / Division	2013		2012		Total
	EW (3)	Cum.	EW (3)	Cum.	
Lundu	6	13	0	0	258
Bau	5	7	2	2	396
Kuching	32	95	27	50	3917
<b>KUCHING</b>	<b>43</b>	<b>115</b>	<b>29</b>	<b>52</b>	<b>4571</b>
Samarahan	3	12	0	2	700
Asajaya	0	1	0	0	92
Simunjan	1	2	1	1	221
Serian	13	26	5	9	742
<b>SAMARAHAN</b>	<b>17</b>	<b>41</b>	<b>6</b>	<b>12</b>	<b>1755</b>
Sri Aman	11	16	2	4	485
Lubok Antu	4	5	0	2	82
<b>SRI AMAN</b>	<b>15</b>	<b>21</b>	<b>2</b>	<b>6</b>	<b>567</b>
Betong	9	13	4	5	384
Saratok	0	10	5	7	279
<b>BETONG</b>	<b>9</b>	<b>23</b>	<b>9</b>	<b>12</b>	<b>663</b>
Sarikei	7	14	11	17	534
Meradong	4	18	0	3	206
Pakan	3	6	0	0	94
Julau	3	7	0	1	135
<b>SARIKEI</b>	<b>17</b>	<b>45</b>	<b>11</b>	<b>21</b>	<b>969</b>
Daro	2	2	0	0	132
Matu	0	3	0	0	87
Dalat	0	0	0	2	120
Mukah	1	2	0	0	162
<b>MUKAH</b>	<b>3</b>	<b>7</b>	<b>0</b>	<b>2</b>	<b>501</b>
Sibu	15	34	5	7	934
Kanowit	2	2	0	1	47
Selangau	1	2	0	0	43
<b>SIBU</b>	<b>18</b>	<b>38</b>	<b>5</b>	<b>8</b>	<b>1024</b>
Song	1	2	0	0	62
Kapit	3	4	2	22	407
Belaga	1	1	2	10	127
<b>KAPIT</b>	<b>5</b>	<b>7</b>	<b>4</b>	<b>32</b>	<b>596</b>
Tatau	2	2	1	5	102
Bintulu	4	12	11	25	836
<b>BINTULU</b>	<b>6</b>	<b>14</b>	<b>12</b>	<b>30</b>	<b>938</b>
Miri	83	156	8	28	1233
Marudi	7	15	0	0	121
<b>MIRI</b>	<b>90</b>	<b>171</b>	<b>8</b>	<b>28</b>	<b>1354</b>
Limbang	2	12	0	1	453
Lawas	0	1	1	4	104
<b>LIMBANG</b>	<b>2</b>	<b>13</b>	<b>1</b>	<b>5</b>	<b>557</b>
<b>SARAWAK</b>	<b>225</b>	<b>495</b>	<b>87</b>	<b>208</b>	<b>13495</b>



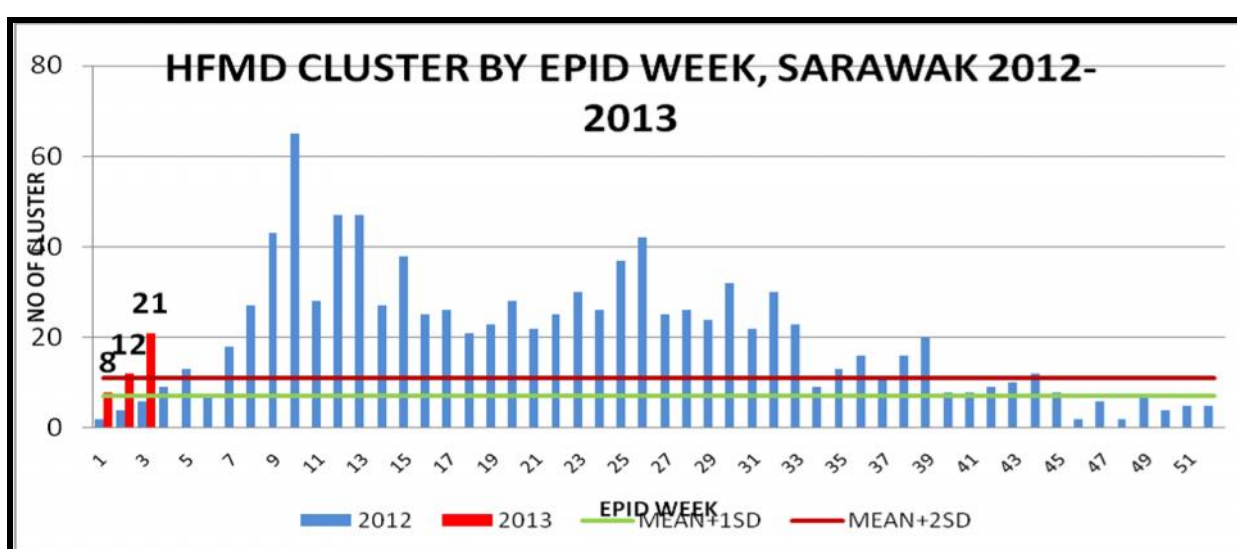
EW = Epid. Week; Cum. = Cumulative figure

**10.2.1 Comparison of total number of notified HFMD cases and registered HFMD cases in e-Notifikasi system by district as at 19<sup>th</sup> January 2013.**

District	Cases Reported to CPRC		Cum. Registered Cases In e-Notifikasi	Back Log
	EW 3	Cum		
Lundu	6	13	13	0
Bau	5	7	11	-4
Kuching	32	95	83	12
<b>Total</b>	<b>43</b>	<b>115</b>	<b>107</b>	<b>8</b>
Samarahan	3	12	21	-9
Asajaya	0	1	2	-1
Simunjan	1	2	13	-11
Serian	13	26	26	0
<b>Total</b>	<b>17</b>	<b>41</b>	<b>62</b>	<b>-21</b>
Sri Aman	11	16	16	0
Lubok Antu	4	5	0	5
<b>Total</b>	<b>15</b>	<b>21</b>	<b>16</b>	<b>5</b>
Betong	9	13	14	-1
Saratok	0	10	12	-2
<b>Total</b>	<b>9</b>	<b>23</b>	<b>26</b>	<b>-3</b>
Sarikei	7	14	10	4
Meradong	4	18	37	-19
Pakan	3	6	8	-2
Julau	3	7	8	-1
<b>Total</b>	<b>17</b>	<b>45</b>	<b>63</b>	<b>-18</b>
Daro	2	2	3	-1
Matu	0	3	9	-6
Dalat	0	0	8	-8
Mukah	1	2	2	0
<b>Total</b>	<b>3</b>	<b>7</b>	<b>22</b>	<b>-15</b>
Sibu	15	34	29	5
Kanowit	2	2	0	2
Selangau	1	2	2	0
<b>Total</b>	<b>18</b>	<b>38</b>	<b>31</b>	<b>7</b>
Song	1	2	2	0
Kapit	3	4	6	-2
Belaga	1	1	1	0
<b>Total</b>	<b>5</b>	<b>7</b>	<b>9</b>	<b>-2</b>
Tatau	2	2	2	0
Bintulu	4	12	12	0
<b>Total</b>	<b>6</b>	<b>14</b>	<b>14</b>	<b>0</b>
Miri	83	156	98	58
Marudi	7	15	18	-3
<b>Total</b>	<b>90</b>	<b>171</b>	<b>116</b>	<b>55</b>
Limbang	2	12	12	0
Lawas	0	1	2	-1
<b>Total</b>	<b>2</b>	<b>13</b>	<b>14</b>	<b>-1</b>
<b>TOTAL</b>	<b>225</b>	<b>495</b>	<b>480</b>	<b>15</b>

### 10.2.2. HFMD Clusters and closure

Division	Cluster		Closure	
	EW3	Cum	EW3	Cum
Kuching	7	14	0	0
Samarahan	3	3	0	0
Sri Aman	3	3	0	0
Betong	1	2	0	0
Sarikei	3	6	1	1
Mukah	0	0	0	0
Sibu	0	0	0	0
Kapit	0	0	0	0
Bintulu	0	1	0	0
Miri	3	10	0	0
Limbang	1	4	0	0
<b>Sarawak</b>	<b>21</b>	<b>43</b>	<b>1</b>	<b>1</b>



Division	Category of HFMD Clusters in 2013				Total
	Family	Child Care Centre	Pre School	School	
Kuching	13	0	1	0	14
Samarahan	3	0	0	0	3
Sri Aman	3	0	0	0	3
Betong	2	0	0	0	2
Sarikei	5	0	1	0	6
Mukah	0	0	0	0	0
Sibu	0	0	0	0	0
Kapit	0	0	0	0	0
Bintulu	1	0	0	0	1
Miri	10	0	0	0	10
Limbang	4	0	0	0	4
<b>Total</b>	<b>41</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>43</b>



**10.3. Notified Leptospirosis cases for Epid. Week 3, 2013 compared to Epid. Week 3, 2012 and cumulative cases until Epid.Week 3 in 2013.**

District / Division	Case classification				Total		
	Confirmed		Probable		2013	2012	2011
	EW (3) 2013	EW (3) 2012	EW (3) 2013	EW (3) 2012			
Lundu	0	0	0	0	0	4	6
Bau	0	0	1	0	1	9 (2)	5 (1)
Kuching	0	0	0	0	1	76 (2)	40 (2)
<b>KUCHING</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>2</b>	<b>87 (4)</b>	<b>51 (3)</b>
Samarahan	0	0	0	0	0	12	3
Asajaya	0	0	0	0	0	0	3
Simunjan	0	0	0	0	0	4	8 (1)
Serian	0	0	0	0	1	4	10 (2)
<b>SAMARAHAN</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>20</b>	<b>24 (3)</b>
Sri Aman	0	0	0	0	0	14	14 (2)
Lubok Antu	0	0	0	0	0	15	11
<b>SRI AMAN</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>29</b>	<b>25 (2)</b>
Betong	0	0	0	0	0	8	5 (1)
Saratok	0	0	0	0	0	4	6 (1)
<b>BETONG</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>12</b>	<b>11 (2)</b>
Sarikei	0	0	0	0	1	6 (1)	1
Meradong	0	0	0	0	0	2	24
Pakan	0	0	0	0	2	4 (1)	3
Julau	0	0	0	0	1	1	0
<b>SARIKEI</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>13 (2)</b>	<b>28</b>
Daro	0	0	0	0	0	1 (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	0	3
<b>MUKAH</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>4 (1)</b>
Sibu	0	0	0	0	0	2	2
Kanowit	0	0	0	0	0	6 (1)	4
Selangau	0	0	0	0	0	2	3
<b>SIBU</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>10 (1)</b>	<b>9</b>
Song	0	0	0	0	0	1	1
Kapit	0	0	0	0	0	50	12
Belaga	0	0	1	0	7	4 (1)	7 (1)
<b>KAPIT</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>7</b>	<b>55</b>	<b>20 (1)</b>
Tatau	0	0	0	0	0	2	1
Dintulu	0	0	1	0	7	7	10 (2)
<b>BINTULU</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>7</b>	<b>9</b>	<b>11 (2)</b>
Miri	0	0	0	0	3	10	16 (1)
Marudi	0	0	0	0	0	2	2
<b>MIRI</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>12</b>	<b>18 (1)</b>
Limbang	0	0	1	0	1	21 (1)	2 (1)
Lawas	0	0	0	0	0	0	0
<b>LIMBANG</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>21 (1)</b>	<b>2 (1)</b>
<b>SARAWAK</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>25</b>	<b>271 (10)</b>	<b>203 (16)</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 until Epid. Week 2,2013

No.	District	Locality	Number of Cases	Outbreak Declared
	Nil			

#### 10.4. Notified Melioidosis cases for Epid. Week 3, 2013 compared to Epid. Week 3, 2012 and cumulative cases until Epid. Week 3, 2013

District / Division	Case classification				Total			
	Confirmed		Probable		2013		2012	2011
	EW (S) 2013	EW (S) 2012	EW (S) 2013	EW (S) 2012				
Lundu	0	0	0	0	0		0	0
Bau	0	0	0	0	0		1	1
Kuching	0	0	0	0	0		3	4
<b>KUCHING</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>		<b>4</b>	<b>5</b>
Samarahan	0	0	0	0	0		1	0
Asajaya	0	0	0	0	0		0	0
Simunjan	0	0	0	0	0		0	0
Serian	0	0	0	0	0		0	2 (1)
<b>SAMARAHAN</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>		<b>1</b>	<b>2</b>
Sri Aman	0	0	0	0	0		0	3
Lubok Antu	0	0	0	0	0		1	1
<b>SRI AMAN</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>		<b>1</b>	<b>4</b>
Betong	0	0	0	0	0		0	0
Saratok	0	0	0	0	0		0	0
<b>BETONG</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>		<b>0</b>	<b>0</b>
Sarikei	0	0	0	0	0		0	0
Meradong	0	0	0	0	0		0	0
Pakan	0	0	0	0	0		1	0
Julau	0	0	0	0	0		0	0
<b>SARIKEI</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>		<b>1</b>	<b>0</b>
Daro	0	0	0	0	0		0	0
Matu	0	0	0	0	0		0	0
Dalat	0	0	0	0	0		1	0
Mukah	0	0	0	0	0		1	2
<b>MUKAH</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>		<b>2</b>	<b>2</b>
Sibu	0	0	0	0	0		0	1
Kanowit	0	0	0	0	0		0	1
Selangau	0	0	0	0	0		1 (1)	4
<b>SIBU</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>		<b>1</b>	<b>6</b>
Song	0	0	0	0	0		0	1
Kapit	0	0	0	0	0		28	62 (3)
Belaga	0	0	0	0	0		0	21 (1)
<b>KAPIT</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>		<b>28</b>	<b>84 (7)</b>
Tatau	0	0	0	0	0		0	4 (1)
Bintulu	0	0	0	0	0		0	6
<b>BINTULU</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>		<b>0</b>	<b>10 (1)</b>
Miri	0	0	0	0	0		2	7 (2)
Marudi	0	0	0	0	0		0	1
<b>MIRI</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>		<b>2</b>	<b>8 (2)</b>
Limbang	0	0	0	0	0		0	0
Lawas	0	0	0	0	0		0	0
<b>LIMBANG</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>		<b>0</b>	<b>0</b>
<b>SARAWAK</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>		<b>40 (1)</b>	<b>121 (11)</b>

Note: ( ) Death; EW = Epid. Week

District indicates source of infection

##### 10.4.1 Melioidosis Death case (Positive) 2013

No.	# District	® Hospital	Age	Race	Gender	Date Of Death	Concurrent Medical Illness	Occupation
	Nil							

\* SGH = Sarawak General Hospital

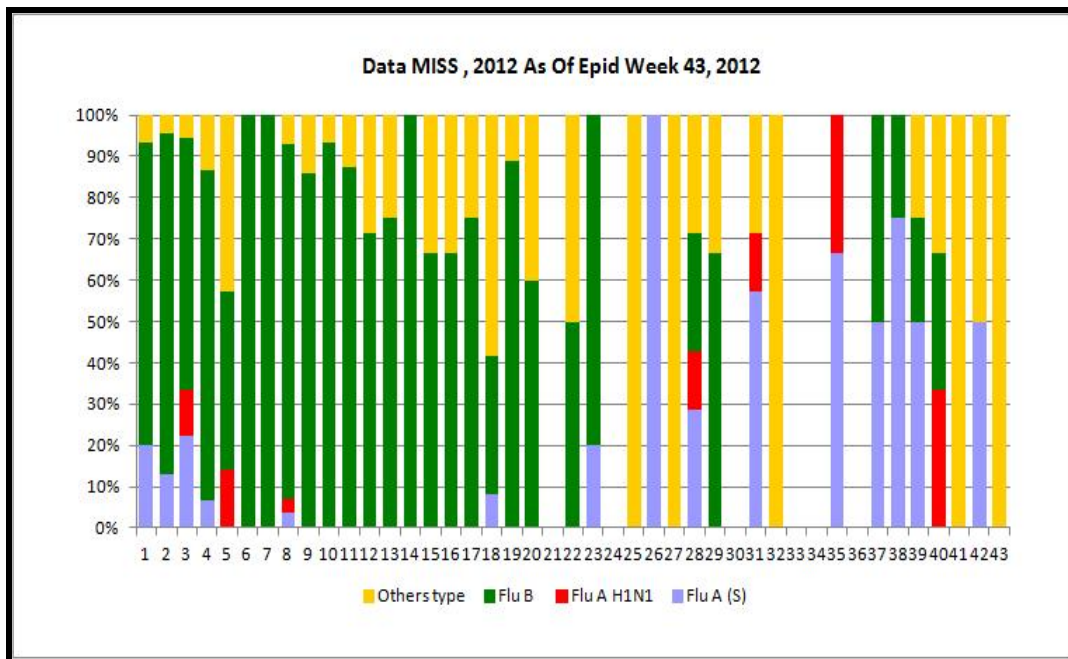
Note

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

® Hospital indicate facility where patient admitted

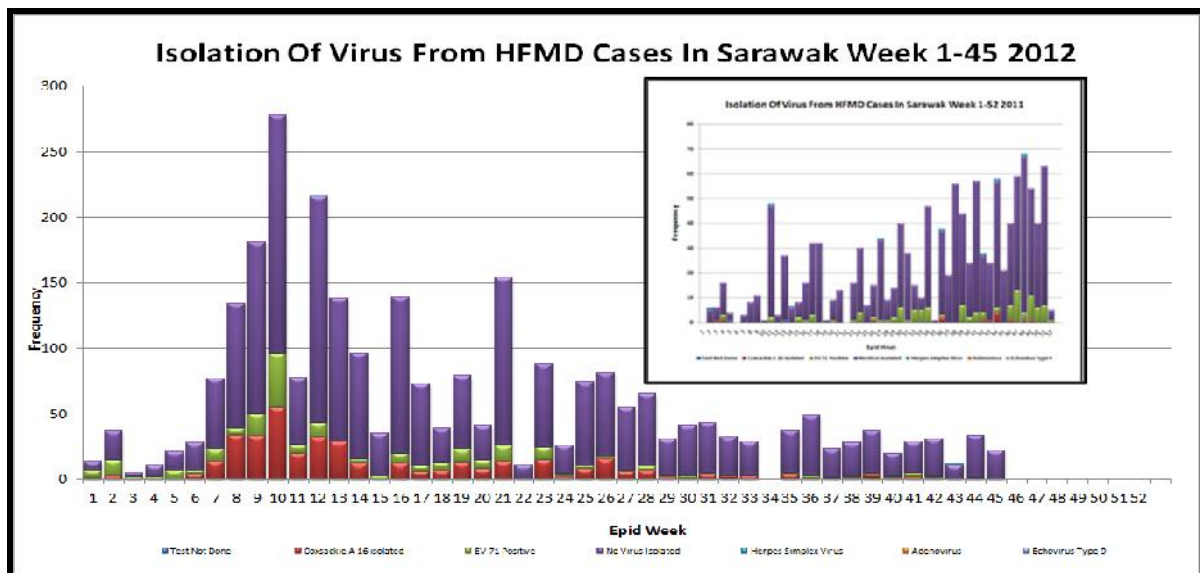
## 11. LABORATORY BASED SURVEILLANCE

### 11.1. Malaysia Influenza Surveillance System (MISS) (not included Sabah\*) from Epid Week 1 till Epid Week 43, 2012.

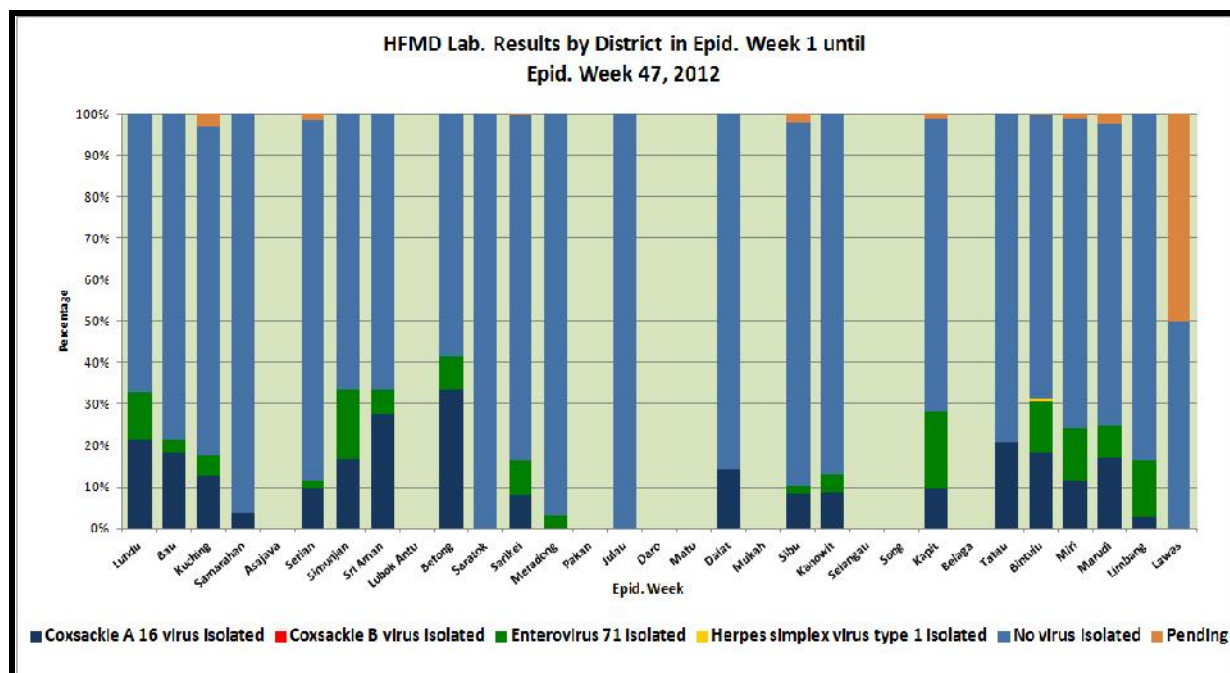


\* specimen from Sabah were analysed at MKAK Kota Kinabalu, Sabah.

### 11.3. Laboratory Based Surveillance HFMD, EW 1- EW 45, 2012 compared to 2011 in Sarawak.



As of 12<sup>th</sup> January, 2013, 2816 HFMD samples sent to MKAK Sg Buloh. Out of this, 2772 samples with result, 44 still pending and one sample was rejected. A total of 575 (22.2%) virus isolated of which 378 Coxsackie A16 (64.0%), 210 EV 71 (35.5%), one Coxsackie B (0.2%) and two 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 5<sup>th</sup> January 2013)

No	Name/Designation	Office Address	E-mail Address	Tel./Fax/Handphone No.
1	Ketua Penolong Pengarah Kanan Dr. Razitasham Binti Safii	Seksyen Kawalan Penyakit Berjangkit Jabatan Kesihatan Negeri Sarawak	razitasham@srwk.moh.gov.my	Tel : 082-473200/277 Fax : 082-443098 Hp : 013-8047635
2	Ketua Penolong Pengarah Dr. Noorzilawati Binti Sahak	Seksyen Kawalan Penyakit Berjangkit Jabatan Kesihatan Negeri Sarawak	drnoorzilawati@gmail.com	Tel : 082-473200/276 Fax : 082-443098 Hp : 014-6999126
3	Pegawai Kesihatan Bahagian Kuching Dr. Kamarudin Lajim	Pejabat Kesihatan Bahagian Kuching, Jalan Tun Ahmad Zaidi Adruce, 93250 Kuching	dhoshan@yahoo.com.sg	Tel : 082-238635/257867 Fax : 082-414542/250037 Hp : 013-8014332
4	Pegawai Epidemiologi Bahagian Kuching Dr. Ruziana Miss	Pejabat Kesihatan Bahagian Kuching, Jalan Tun Ahmad Zaidi Adruce, 93250 Kuching	druzziyan@yahoo.com.my	Tel : 082-238635/257867 Fax : 082-414542/250037 Hp : 019-8356456
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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.