



SARAWAK WEEKLY EPID NEWS

Sarawak Health Department

EPID. WEEK 4

20th – 26th January 2013

INFECTIOUS DISEASE/CRISIS HIGHLIGHTS IN SARAWAK

Local update:

Dengue cases still above the outbreak level in the state. See detail in page 14.

Local Update:

Increasing trend of HFMD was observed in Samarahan, Simunjan, Serian, Saratok, Sarikei, Julau, Dalat, Sibul, Kapit and Marudi districts. Same pattern was also noticed in H1N1 especially in Kuching and Betong divisions.

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	5
HIV/AIDS and STI	9
Tuberculosis and Leprosy	11
Vector Borne Diseases	14
Other Infectious Diseases	18
Emerging/Re-emerging Infectious and Zoonotic Diseases	19
Laboratory based surveillance	28



CPRC (CRISIS PREPAREDNESS AND RESPONSE CENTRE)

Communicable Disease Control Section, Sarawak Health Department

(Phone: 082-443248; e-mail: opsroom_jkns@srwk.moh.gov.my or cdcjkns@gmail.com; Fax: 082-443098)

2. NEW OUTBREAKS/CLUSTERS

No	Disease	District	Locality	Case (No)	Outbreak declared
1	Dengue	Lawas	Taman Muhibbah	2	20 th January 2013
2		Bintulu	Kg. Sibiew	2	22 th January 2013
3		Sibu	Jln. Tiong Hua	2	24 th January 2013

3. SUMMARY OF MANDATORY NOTIFIABLE DISEASES REPORTED IN EPID. WEEK 4, 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		1														
Bau											5								1		1						
Kuching						2				2	21		1						1		9			1			
Samarahan						1					4																
Asajaya																											
Simunjan											2								1								
Serian						1					16								1								
Sri Aman						2					4								1								
L/ Antu						2					2										3						
Betong	1/1					2					6																
Saratok										1	6		1		1						1						
Sarikei										1	9				2												
Meradong						3					4				1												
Pakan						3																					
Julau											18																
Daro																											
Matu																											
Dalat											5																
Mukah						1						1															
Sibu						5				4	24								2		2						
Kanowit						1							1														
Selangau																											
Song						1																					
Kapit						3					9		4														
Belaga												3	3														
Tatau						1																					
Bintulu	1/0					11				1	4	1			1												
Miri	1/0					2					76	1															
Marudi						1					12	6	2								1						
Limbang						1																					
Lawas						8													1					1			
TOTAL (Week 4)	3/1	0	0	0	0	51	0	0	0	9	228	12	13	0	5	0	0	0	8	0	17	0	0	2	0	0	0
Total (2013)	17/4	0	0	0	0	201	0	0	20	44	723	12	60	0	25	0	0	0	18	0	70	3	0	12	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	2430	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 9th December 2010

4. SURVEILLANCE REPORT ON FOOD-WATER BORNE DISEASES

4.1. Cumulative cases from Epid Week 1 until Epid Week 4, 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	1	0	2	2	0	0	0	0	0
Sibu	1	2	1	1	1	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	1	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	9	0	4	3	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 4, 2013

Division	TYPES OF DISEASES										
	Measles					Rubella	Tetanus C	Whooping Cough		Hepatitis B	
	Suspected (Registered Cases in SM2)	Confirmed			Discard	Lab. Confirmed		S	C	Acute	Chronic
		Lab. Confirmed	Clinically Confirmed	Epid. Link							
Kuching	5	0	0	0	0	0	0	3	0	0	0
Samarahan	4	0	0	0	0	0	0	3	0	0	0
Sri Aman	0	0	0	0	0	0	0	0	0	0	0
Betong	2	0	0	0	0	0	0	0	0	0	1
Sarikei	4	0	0	0	0	0	0	0	0	0	0
Sibu	1	0	0	0	0	0	0	0	0	0	0
Kapit	1	0	0	0	0	0	0	0	0	0	0
Mukah	0	0	0	0	0	0	0	1	0	0	1
Bintulu	1	0	0	0	0	0	0	0	0	0	0
Miri	6	0	0	0	0	0	0	0	0	0	0
Limbang	1	0	0	0	1	0	0	0	0	1	1
Sarawak	25	0	0	0	1	0	0	7	0	1	3

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 4, 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	4	4 (100.00%)	2 (50.00%)	4 (100.00%)
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	1	1 (100.00%)	1 (100.00%)	1 (100.00%)
Miri	6	5 (83.33%)	5 (83.33%)	6 (100.00%)
Limbang	1	1 (100.00%)	1 (100.00%)	1 (100.00%)
Sarawak	25	22 (88.00%)	21 (84.00%)	24 (96.00%)

Strategies for MEP :

- I. Vaccination strategies
 - at least 95% coverage of 1st dose MMR at 1 year
 - 2nd 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

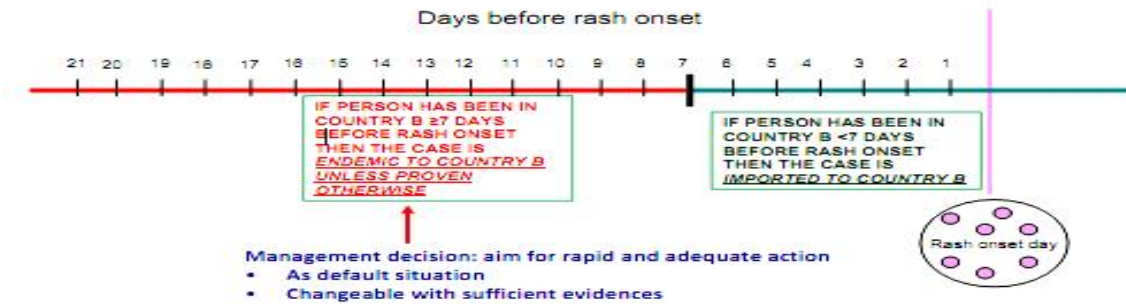
31 years old – now in 2013

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 1-4, 2013.

Division	Population age < 15	Reported AFP 2012	¹ Expected AFP 2013	Reported AFP 2013	Indicators		
					² Adequate stool	³ 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
TOTAL	854.7	8	12	0	0	0	0

¹Target 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%

--²Collection of two stool specimens at 24 hours apart within 14 days from the onset of paralysis :
Target >80%

-³Follow-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 4, 2013 and cumulative cases from Epid.Week 1,2013 until Epid Week 4,2013.

District / Division	2013			
	EW 4		Cumulative	
	HIV	AIDS	HIV	AIDS
Lundu	0	0	0	0
Bau	0	0	0	0
Kuching	0	0	4	2
KUCHING	0	0	4	2
Samarahan	0	0	3	0
Asajaya	0	0	0	0
Simunjan	0	0	0	0
Serian	0	0	0	0
SAMARAHAN	0	0	3	0
Sri Aman	0	0	0	0
LubokAntu	0	0	0	0
SRI AMAN	0	0	0	0
Betong	1	1	1	1
Saratok	0	0	0	0
BETONG	1	1	0	1
Sarikei	0	0	0	0
Meradong	0	0	0	0
Pakan	0	0	0	0
Julau	0	0	0	0
SARIKEI	0	0	0	0
Daro	0	0	0	0
Matu	0	0	0	0
Dalat	0	0	0	0
Mukah	0	0	0	0
MUKAH	0	0	0	0
Sibu	0	0	0	0
Kanowit	0	0	0	0
Selangau	0	0	0	0
SIBU	0	0	0	0
Song	0	0	0	0
Kapit	0	0	0	0
Belaga	0	0	1	0
KAPIT	0	0	1	0
Tatau	0	0	0	0
Bintulu	1	0	2	1
BINTULU	1	0	2	1
Miri	1	0	6	0
Marudi	0	0	0	0
MIRI	1	0	6	0
Limbang	0	0	0	0
Lawas	0	0	0	0
LIMBANG	0	0	0	0
Sarawak	3	1	17	4

EW = Epid. Week; Cum. = Cumulative figure

6.2 Notified Gonorrhoea and Syphilis (all forms) cases for Epid. Week 4, 2013 and Cumulative cases Epid. Week 1, 2013 until Epid Week 4,2013.

District / Division	Gonorrhoea		Syphilis (all forms)	
	EW 4	Cum.	EW 4	Cum.
Lundu	0	0	0	0
Bau	0	0	1	1
Kuching	2	14	1	1
KUCHING	2	14	2	2
Samarahan	0	5	0	0
Asajaya	0	1	0	0
Simunjan	0	0	1	2
Serian	0	0	1	1
SAMARAHAN	0	11	2	3
Sri Aman	0	0	1	1
Lubok Antu	0	0	0	1
SRI AMAN	0	0	1	2
Betong	0	0	0	0
Saratok	1	1	0	0
BETONG	1	1	0	0
Sarikei	1	2	0	0
Meradong	0	1	0	2
Pakan	0	0	0	0
Julau	0	0	0	0
SARIKEI	1	3	0	2
Daro	0	0	0	0
Matu	0	0	0	0
Dalat	0	0	0	1
Mukah	0	0	0	0
MUKAH	0	0	0	1
Sibu	4	9	2	5
Kanowit	0	0	0	0
Selangau	0	0	0	1
SIBU	4	9	2	6
Song	0	0	0	0
Kapit	0	0	0	0
Belaga	0	0	0	0
KAPIT	0	0	0	0
Tatau	0	0	0	0
Bintulu	1	1	0	0
BINTULU	1	1	0	0
Miri	0	1	0	0
Marudi	0	0	0	1
MIRI	0	1	0	1
Limbang	0	0	0	0
Lawas	0	0	1	1
LIMBANG	0	0	1	1
Sarawak	9	44	8	18

EW = Epid. Week; Cum. = Cumulative figure

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

7.1 Notified Tuberculosis cases for Epid. Week 4, 2013 compared to Epid. Week 4, 2012 and cumulative cases until Epid. Week 4, 2013.

District / Division	2013		2012		
	EW 4	Cum.	EW 4	Cum.	Total
Lundu	0	0	0	0	38
Bau	1	3	0	1	38
Kuching	9	23	3	18	501
KUCHING	10	26	3	19	577
Samarahan	0	4	0	1	44
Asajaya	0	1	1	1	22
Simunjan	0	3	3	4	47
Serian	0	3	2	4	40
SAMARAHAN	0	11	6	10	153
Sri Aman	0	1	0	2	63
LubokAntu	3	8	0	3	44
SRI AMAN	3	9	0	5	107
Betong	0	0	0	4	52
Saratok	1	2	1	2	59
BETONG	1	2	1	6	111
Sarikei	0	1	0	0	73
Meradong	0	2	0	1	38
Pakan	0	0	0	0	32
Julau	0	1	0	2	20
SARIKEI	0	4	0	3	163
Daro	0	0	0	0	27
Matu	0	0	0	0	10
Dalat	0	0	0	1	13
Mukah	0	2	0	1	64
MUKAH	0	2	0	2	114
Sibu	2	2	0	16	226
Kanowit	0	1	0	0	41
Selangau	0	0	0	1	51
SIBU	2	3	0	17	318
Song	0	1	0	2	10
Kapit	0	0	1	3	60
Belaga	0	0	0	1	47
KAPIT	0	1	1	6	117
Tatau	0	1	0	2	53
Bintulu	0	4	0	4	252
BINTULU	0	5	0	6	305
Miri	0	5	3	14	310
Marudi	1	1	1	3	81
MIRI	1	6	4	17	391
Limbang	0	0	1	3	52
Lawas	0	1	0	4	22
LIMBANG	0	1	1	7	74
Sarawak	17	70	16	98	2430

EW = Epid. Week; Cum. = Cumulative figure

7.2 Notified Leprosy cases for Epid. Week 4, 2013 compared to Epid. Week 4, 2012 and cumulative cases until Epid. Week 4, 2013.

District / Division	2013		2012		
	EW 4	Cum.	EW 4	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	1	1	0	0	5
MUKAH	1	1	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	3	3	0	0	4
KAPIT	3	3	0	0	4
Tatau	0	0	0	0	0
Bintulu	1	1	0	0	2
BINTULU	1	1	0	0	2
Miri	1	1	0	0	9
Marudi	6	6	0	0	11
MIRI	7	7	0	0	20
Limbang	0	0	0	0	1
Lawas	0	0	0	0	0
LIMBANG	0	0	0	0	1
Sarawak	12	12	0	0	44

7.3 Notified Tuberculosis (all forms) Case Classification as on 26th January 2013

District / Division	Case classification					
	Positive smear		Negative smear		Extra PTB	
	EW 4	Cum.	EW 4	Cum.	EW 4	Cum.
Lundu	0	0	0	0	0	0
Bau	1	3	0	0	0	0
Kuching	5	8	3	11	1	4
KUCHING	6	11	3	11	1	4
Samarahan	0	1	0	3	0	0
Asajaya	0	1	0	0	0	0
Simunjan	0	2	0	1	0	0
Serian	0	1	0	2	0	0
SAMARAHAN	0	5	0	6	0	0
Sri Aman	0	1	0	0	0	0
LubokAntu	1	3	2	4	0	1
SRI AMAN	1	4	2	4	0	1
Betong	0	0	0	0	0	0
Saratok	0	1	1	1	0	0
BETONG	0	1	1	1	0	0
Sarikei	0	0	0	1	0	0
Meradong	0	1	0	0	0	1
Pakan	0	0	0	0	0	0
Julau	0	1	0	0	0	0
SARIKEI	0	2	0	1	0	1
Daro	0	0	0	0	0	0
Matu	0	0	0	0	0	0
Dalat	0	0	0	0	0	0
Mukah	0	2	0	0	0	0
MUKAH	0	2	0	0	0	0
Sibu	0	0	1	1	1	1
Kanowit	0	0	0	1	0	0
Selangau	0	0	0	0	0	0
SIBU	0	0	1	2	1	1
Song	0	1	0	0	0	0
Kapit	0	0	0	0	0	0
Belaga	0	0	0	0	0	0
KAPIT	0	1	0	0	0	0
Tatau	0	0	0	1	0	0
Bintulu	0	0	0	4	0	0
BINTULU	0	0	0	5	0	0
Miri	0	5	0	0	0	0
Marudi	1	1	0	0	0	0
MIRI	1	6	0	0	0	0
Limbang	0	0	0	0	0	0
Lawas	0	1	0	0	0	0
LIMBANG	0	1	0	0	0	0
Sarawak	8	33	7	30	2	7

EW = Epid. Week; Cum. = Cumulative figure

7.4 Notified Tuberculosis (all forms) Patient Classification as on 26th January 2013.

District / Division	Patient Classification											
	Children		Health care worker				PUSPEN/Prison		Foreigner		Care Centre	
	EW 4	Cum.	*Exposed		*Not exposed		EW 4	Cum.	EW 4	Cum.	EW 4	Cum.
			EW 4	Cum.	EW 4	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	0	1	0	1	0	1	0	0	0	0	0	0
SAMARAHAN	0	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	0	1	0	0
MUKAH	0	0	0	0	0	0	0	0	0	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	0	1	0	0	0	0	0	0	0	0	0	0
KAPIT	0	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	0	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	0	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	0	3	0	2	0	2	0	0	0	2	0	0

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

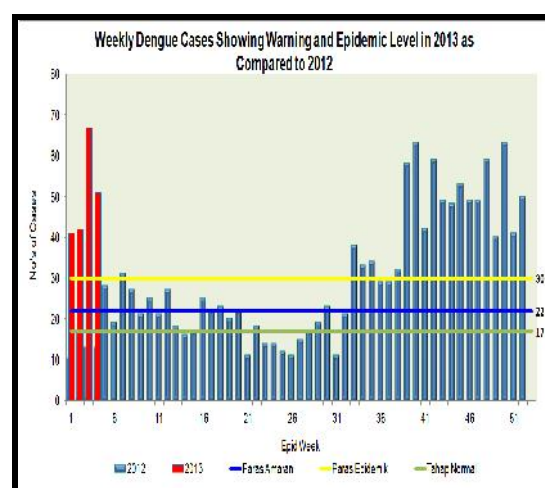
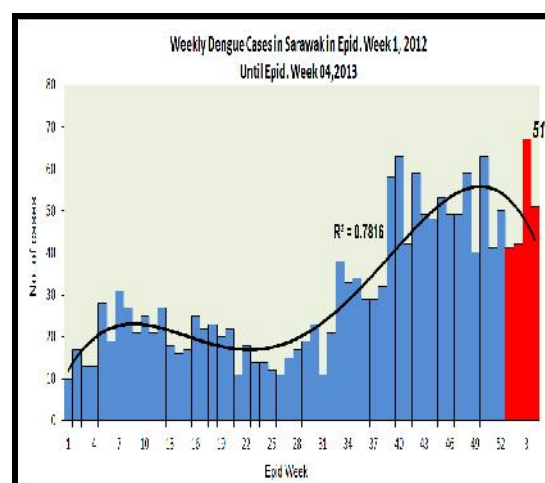
* Possibility of exposed or not exposed to TB patient

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 4, 2013 compared to Epid. Week 4, 2012 and cumulative cases until Epid. Week 4, 2013.

District	2013		2012		Total
	EW 4	Cum.	EW 4	Cum.	
Lundu	0	1	0	2	14
Bau	0	2	0	2	39
Kuching	2	16	2	7	164
Samarahan	1	1	0	2	37
Asajaya	0	0	1	1	7
Serian	0	3	0	0	22
Simunjan	1	2	1	1	19
Sri Aman	2	14	1	3	108
Lubok Antu	2	5	0	1	74
Betong	2	9	0	1	66
Saratok	0	5	3	3	38
Sarikei	0	4	0	3	50
Meradong	3	6	0	1	65
Pakan	3	7	1	2	57
Julau	0	3	0	0	49
Daro	0	0	0	0	7
Matu	0	1	0	0	9
Dalat	0	0	0	0	9
Mukah	1	1	0	0	13
Sibu	5	16	0	2	86
Kanowit	1	4	0	1	19
Selangau	0	3	0	1	10
Song	1	5	0	1	29
Kapit	3	14	0	3	89
Belaga	0	3	0	1	42
Tatau	1	2	1	2	37
Bintulu	11	33	0	1	121
Miri	2	18	2	11	126
Marudi	1	2	1	1	45
Limbang	1	2	0	0	32
Lawas	8	19	0	0	36
Sarawak	51	201	13	53	1519

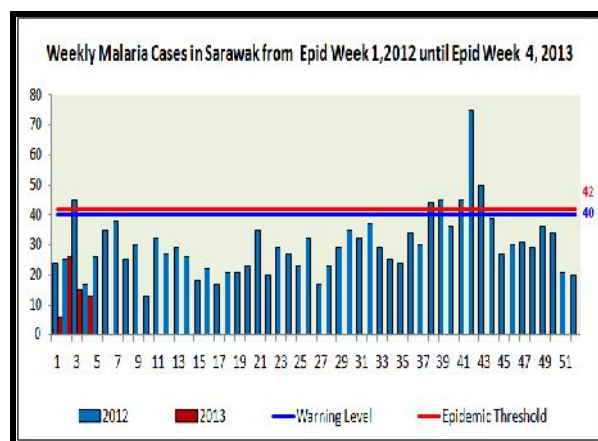
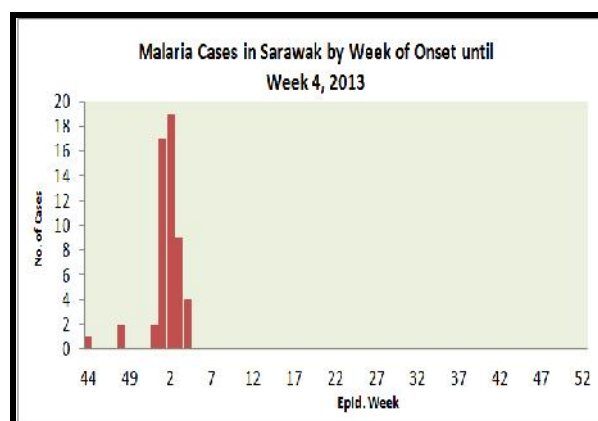
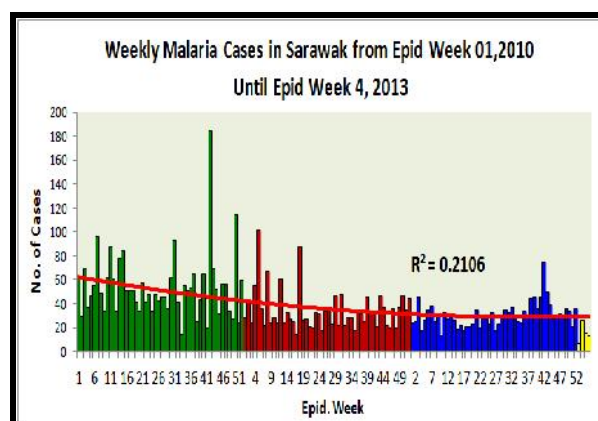


There were three new outbreak reported in Epid Week 4. They were from Bintulu, Sibu and Lawas district. The cumulative of active outbreak localities are four (4) from Bintulu district (2), Lawas district (1) and Sibu district (1).

EW = Epid. Week; Cum. = Cumulative figure

8.2. Notified Malaria cases for Epid. Week 4, 2013 compared to Epid. Week 4, 2012 and cumulative cases until Epid. Week 4 in 2013.

District	2013		2012		Total
	EW 4	Cum.	EW 4	Cum.	
Lundu	1	1	0	0	12
Bau	0	0	0	0	1
Kuching	1	3	1	1	18
Samarahan	0	0	0	0	3
Asajaya	0	0	0	0	0
Serian	0	0	0	0	6
Simunjan	0	1	1	1	9
Sri Aman	0	0	0	1	20
Lubok Antu	0	0	1	1	26
Betong	0	1	0	1	77
Saratok	1	3	0	0	41
Sarikei	0	0	0	2	18
Meradong	0	0	0	0	12
Pakan	0	1	1	7	65
Julau	0	1	2	7	93
Daro	0	0	0	0	6
Matu	0	0	0	0	1
Dalat	0	0	0	1	7
Mukah	0	0	0	1	2
Sibu	0	3	2	9	67
Kanowit	1	1	0	3	79
Selangau	0	0	0	2	40
Song	0	5	1	5	107
Kapit	4	12	4	20	236
Belaga	3	12	0	4	171
Tatau	0	0	2	2	28
Bintulu	0	4	0	1	32
Miri	0	0	0	4	29
Marudi	2	3	2	29	257
Limbang	0	2	0	5	30
Lawas	0	7	0	4	80
Sarawak	13	60	17	111	1573



A total of 13 cases were reported on Epid Week 4, 2013. Cumulative cases till Epid Week 4 were 60 cases. Of the 13 cases, 4 cases (30.7%) from Kapit District, 3 cases (23%) from Belaga District, and 2 cases (15.3%) from Marudi 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	2013	
	EW 4	Cum.
Passive Case Detection (PCD)	11	53
Active Case Detection (ACD)	0	2
Investigation slides (INV)	0	0
Mass Blood Survey (MBS)	0	0
Follow-up	2	5
Total	13	60

8.2.2 Malaria cases by species and case classification

Species	Indigenous	Imported	Relapsed	EW 4	Cum. 2013
<i>Plasmodium vivax</i>	1	2	2	5	20
<i>Plasmodium falciparum</i>	1	0	0	1	3
<i>Plasmodium malariae</i>	0	0	0	0	0
<i>Plasmodium knowlesi</i>	7	0	0	7	36
<i>Plasmodium ovale</i>	0	0	0	0	0
<i>Mixed infection</i>	0	0	0	0	15
Total	9	2	2	13	60

8.2.3. The summary of the *Imported A cases

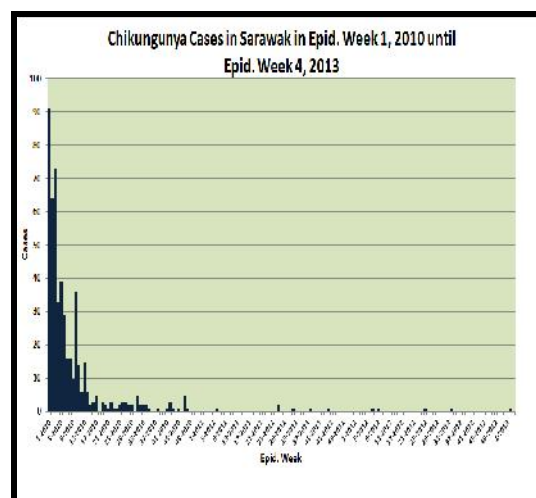
No.	District reported	Source of infection	Outbreak Locality	Nationality	Age	Gender	Species
1	Kapit	KKB Amanab Jaya, Papua New Guinea	Tatai Ruai Kapit	Malaysian	49	Male	<i>P. vivax</i>
2	Kuching	Jose Town, Brazil	Lot 01, Rpr Sungai Tengah, Bt 8, Jalan Matang 93050 Kuching	Malaysian	57	Male	<i>P. vivax</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 4, 2013 compared to Epid. Week 4, 2012 and cumulative cases in Epid. Week 4 in 2013.

District	2013		2012		Total
	EW 4	Cum.	EW 4	Cum.	
Lundu	0	0	0	0	1
Bau	0	0	0	0	0
Kuching	0	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	0	1	0	0	5



EW = Epid. Week; Cum. = Cumulative figure

8.4. Filariasis

No case of Filariasis was reported in Epid Week 4, 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)

No case of Japanese Encephalitis (JE) was reported in Epid Week 4, 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 26th January 2013, no case of Viral Encephalitis reported.

9.2. Viral Hepatitis (all form)

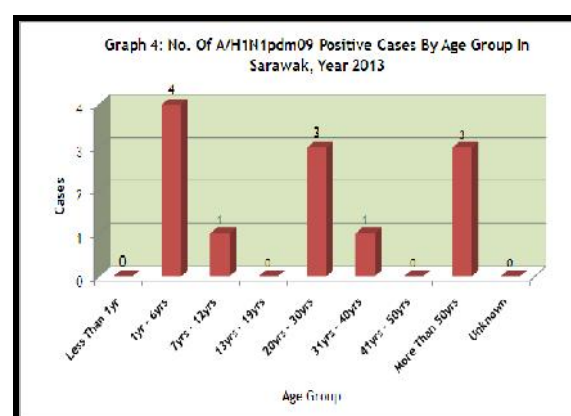
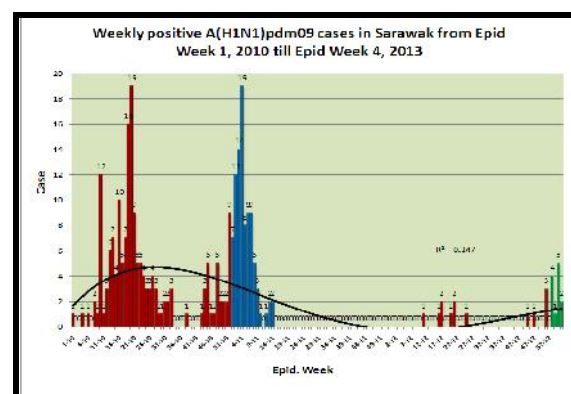
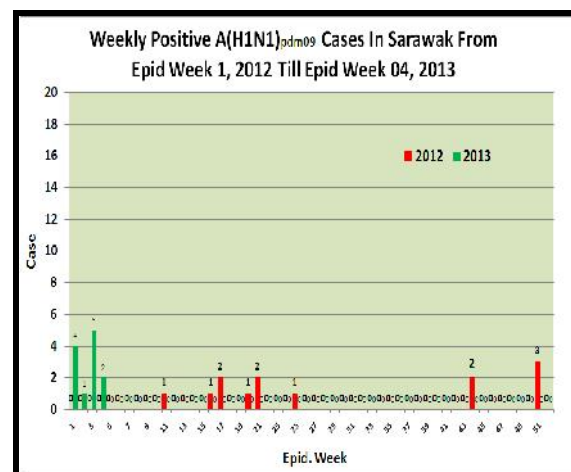
No	Type of Viral Hepatitis	Epid Week 4	Cum. 2013
1	Hepatitis A	0	0
2	Acute Hepatitis B	1	1
3	Chronic Hepatitis B	0	3
4	Acute Hepatitis C	1	4
5	Chronic Hepatitis C	0	4

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

10.1. A/H1N1_{pdm09}

10.1.1 Positive Pandemic Influenza A/H1N1_{pdm09} as for Epid. Week 4, 2013 compared to Epid. Week 4, 2012 and cumulative cases in Epid. Week 4 in 2013.

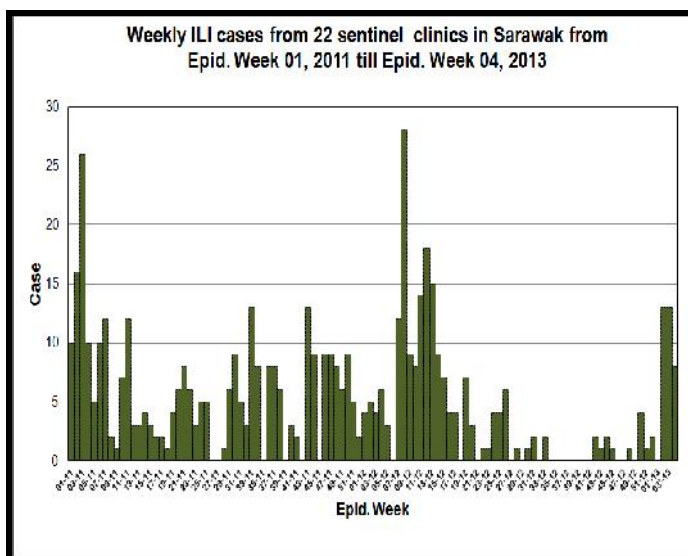
District	2013		2012		Total
	EW 04	Cum.	EW 04	Cum.	
Lundu	0	0	0	0	0
Bau	0	0	0	0	0
Kuching	2	7	0	0	5
Samarahan	0	0	0	0	0
Simunjan	0	0	0	0	0
Serian	0	0	0	0	0
Sri Aman	0	0	0	0	0
Lubok Antu	0	0	0	0	0
Betong	0	5	0	0	0
Saratok	0	0	0	0	0
Sarikei	0	0	0	0	0
Meradong	0	0	0	0	0
Julau	0	0	0	0	0
Daro	0	0	0	0	0
Dalat	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
SARAWAK	2	12	0	0	13



Positive H1N1 Cases by Age Group and Gender

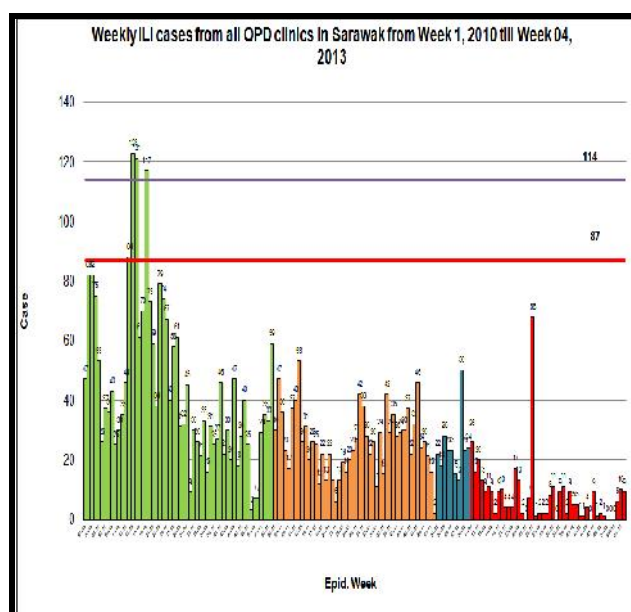
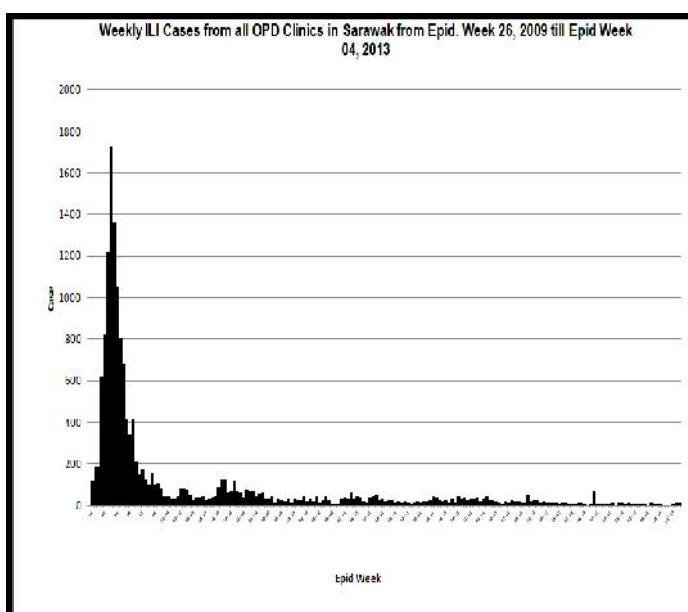
EW = Epid. Week; Cum. = cumulative figure

10.1.2 Outpatient Influenza-Like Illness (ILI) Surveillance from Epid.Week 1 in 2011 till Epid. Week 4 in 2013.



In Epid. Week 4, 2013, 8 cases of ILI reported from 22 Sentinel clinics and 9 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).

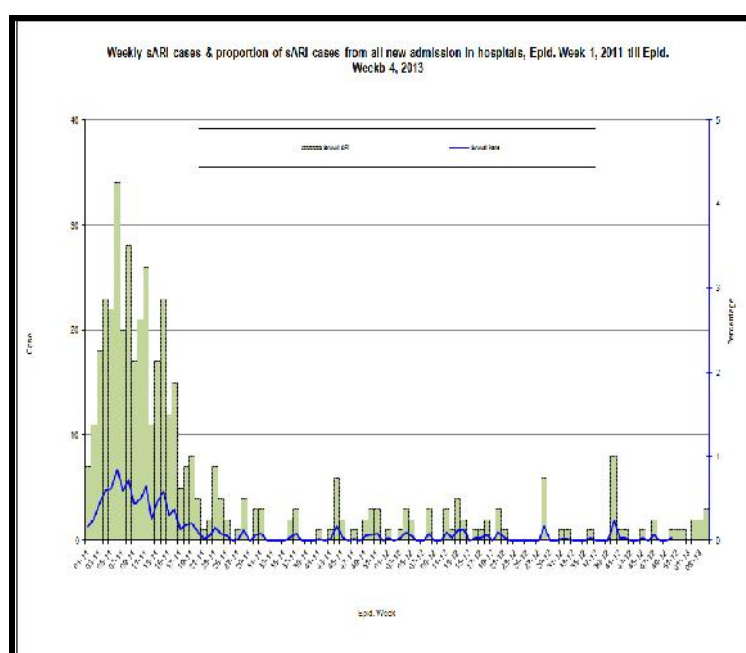


Referring to a letter dated 25 January 2011 from Office of the Deputy Director-General of Health (Public Health), Department of Public Health, Ministry of Health Malaysia about **PEMANTAUAN AKTIVITI A/H1N1pdm09 SECARA BERTERUSAN**, all PKB/PKD must send their daily H1N1 report as well as ILI and sARI 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 26th January 2013.

No ILI cluster reported. The last cluster was on 3rd 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 suspected H1N1 in Government Hospitals in Sarawak as on 26th January 2012.

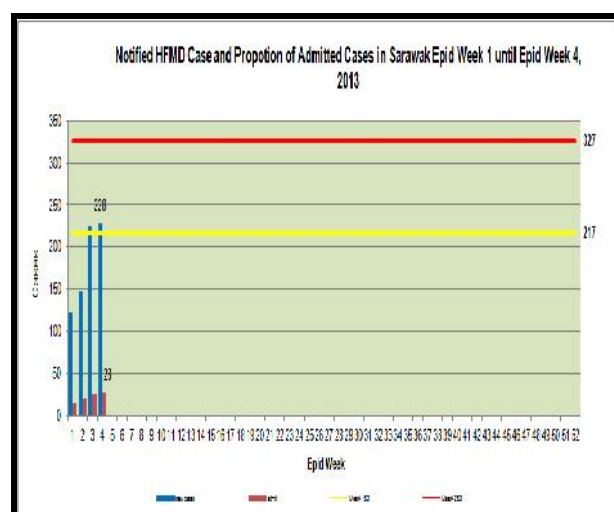
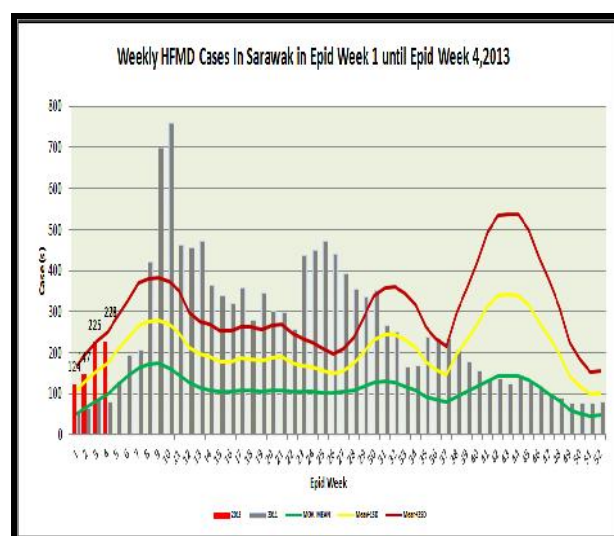
Division	Hospital	New EW 1	Cumulative 2013	No. of Inpatient			No. of Patient on Ventilator	Throat swabs		
				ICU	ISO	Other wards		Positive	Pending	Negative
Kuching	SGH Kuching	2	2	0	0	2	0	1	0	1
	Bau	0	0	0	0	0	0	0	0	0
	Lundu	0	0	0	0	0	0	0	0	0
	RCBM	0	0	0	0	0	0	0	0	0
	Sentosa	0	0	0	0	0	0	0	0	0
Samarahan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

EW = Epid. Week; Cum. = Cumulative figure

10.2. Notified HFMD (Masterlist) cases for Epid. Week 4, 2013 compared to Epid. Week 4, 2012 and cumulative cases until Epid. Week 4, 2013.

District / Division	2013		2012		Total
	EW (4)	Cum.	EW (4)	Cum.	
Lundu	1	14	0	0	258
Bau	5	12	2	4	396
Kuching	21	116	31	81	3917
KUCHING	27	142	33	85	4571
Samarahan	4	16	1	3	700
Asajaya	0	1	0	0	92
Simunjan	2	4	0	1	221
Serian	16	42	4	13	742
SAMARAHAN	22	63	5	17	1755
Sri Aman	4	20	2	6	485
Lubok Antu	2	7	0	2	82
SRI AMAN	6	27	2	8	567
Betong	6	19	6	11	384
Saratok	6	16	3	10	279
BETONG	12	35	9	21	663
Sarikei	9	23	9	26	534
Meradong	4	22	0	3	206
Pakan	0	6	0	0	94
Julau	18	25	0	1	135
SARIKEI	31	76	9	30	969
Daro	0	2	0	0	132
Matu	0	3	0	0	87
Dalat	5	5	3	5	120
Mukah	0	2	0	0	162
MUKAH	5	12	3	5	501
Sibu	24	58	1	8	934
Kanowit	0	2	0	1	47
Selangau	0	2	0	0	43
SIBU	24	62	1	9	1024
Song	0	2	1	1	62
Kapit	9	13	2	24	407
Belaga	0	1	3	13	127
KAPIT	9	16	6	38	596
Tatau	0	2	1	6	102
Bintulu	4	16	9	34	836
BINTULU	4	18	10	40	938
Miri	76	232	0	28	1233
Marudi	12	27	0	0	121
MIRI	88	259	0	28	1354
Limbang	0	12	0	1	453
Lawas	0	1	1	5	104
LIMBANG	0	13	1	6	557
SARAWAK	228	723	79	287	13495

EW = Epid. Week; Cum. = Cumulative figure

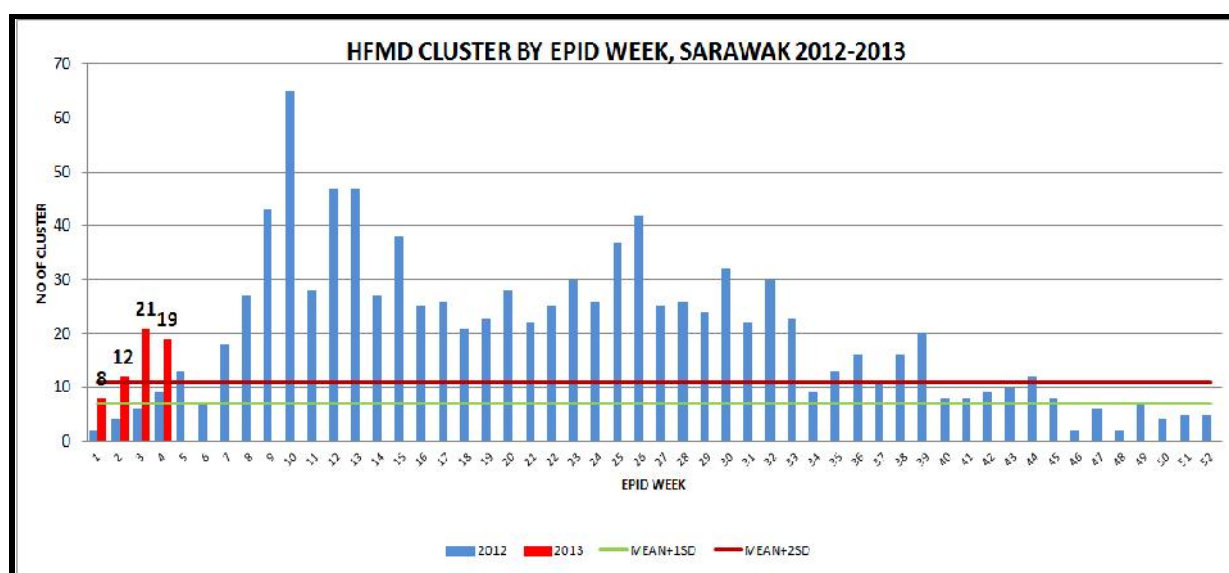


10.2.1 Comparison of total number of notified HFMD cases and registered HFMD cases in e-Notifikasi system by district as at 26th January 2013.

District	Cases Reported to CPRC		Cum. Registered Cases In e-Notifikasi	Back Log
	EW 4	Cum		
Lundu	1	14	14	0
Bau	5	12	15	-3
Kuching	21	116	113	3
Total	27	142	142	0
Samarahan	4	16	21	-5
Asajaya	0	1	2	-1
Simunjan	2	4	13	-9
Serian	16	42	41	1
Total	22	63	77	-14
Sri Aman	4	20	19	1
Lubok Antu	2	7	1	6
Total	6	27	20	7
Betong	6	19	20	-1
Saratok	6	16	16	0
Total	12	35	36	-1
Sarikei	9	23	15	8
Meradong	4	22	38	-16
Pakan	0	6	8	-2
Julau	18	25	20	5
Total	31	76	81	-5
Daro	0	2	3	-1
Matu	0	3	9	-6
Dalat	5	5	9	-4
Mukah	0	2	2	0
Total	5	12	23	-11
Sibu	24	58	40	18
Kanowit	0	2	0	2
Selangau	0	2	3	-1
Total	24	62	43	19
Song	0	2	3	-1
Kapit	9	13	13	0
Belaga	0	1	1	0
Total	9	16	17	-1
Tatau	0	2	2	0
Bintulu	4	16	16	0
Total	4	18	18	0
Miri	76	232	138	94
Marudi	12	27	19	8
Total	88	259	157	102
Limbang	0	12	12	0
Lawas	0	1	2	-1
Total	0	13	14	-1
TOTAL	228	723	628	95

10.2.2. HFMD Clusters and closure

Division	Cluster		Closure	
	EW4	Cum	EW4	Cum
Kuching	4	18	0	0
Samarahan	0	3	0	0
Sri Aman	2	5	0	0
Betong	2	4	0	0
Sarikei	4	10	1	2
Mukah	1	1	0	0
Sibu	2	2	0	0
Kapit	0	0	0	0
Bintulu	0	1	0	0
Miri	4	14	0	0
Limbang	0	4	0	0
Sarawak	19	62	1	2



Division	Category of HFMD Clusters in 2013				Total
	Family	Child Care Centre	Pre School	School	
Kuching	17	0	1	0	18
Samarahan	3	0	0	0	3
Sri Aman	5	0	0	0	5
Betong	4	0	0	0	4
Sarikei	7	0	2	1	10
Mukah	1	0	0	0	1
Sibu	2	0	0	0	2
Kapit	0	0	0	0	0
Bintulu	1	0	0	0	1
Miri	14	0	0	0	14
Limbang	4	0	0	0	4
Total	58	0	3	1	62

10.3. Notified Leptospirosis cases for Epid. Week 4, 2013 compared to Epid. Week 4, 2012 and cumulative cases until Epid.Week 4 in 2013.

District / Division	Case classification				Total		
	Confirmed		Probable		2013	2012	2011
	EW (4) 2013	EW (4) 2012	EW (4) 2013	EW (4) 2012			
Lundu	0	0	0	0	0	4	6
Bau	0	0	0	0	1	9 (2)	5 (1)
Kuching	0	0	0	0	1	76 (2)	40 (2)
KUCHING	0	0	0	0	2	87 (4)	51 (3)
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)
SAMARAHAN	0	0	0	0	1	20	24 (3)
Sri Aman	0	0	0	0	0	14	14 (2)
Lubok Antu	0	0	0	0	0	15	11
SRI AMAN	0	0	0	0	0	29	25 (2)
Betong	0	0	0	0	0	8	5 (1)
Saratok	0	0	0	0	0	4	6 (1)
BETONG	0	0	0	0	0	12	11 (2)
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
SARIKEI	0	0	0	0	4	13 (2)	28
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
MUKAH	0	0	0	0	0	1	4 (1)
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
SIBU	0	0	0	0	0	10 (1)	9
Song	0	0	0	0	0	1	1
Kapit	0	0	0	0	0	50	12
Belaga	0	0	0	0	7	4 (1)	7 (1)
KAPIT	0	0	0	0	7	55	20 (1)
Tatau	0	0	0	0	0	2	1
Bintulu	0	0	0	0	7	7	10 (2)
BINTULU	0	0	0	0	7	9	11 (2)
Miri	0	0	0	0	3	10	16 (1)
Marudi	0	0	0	0	0	2	2
MIRI	0	0	0	0	3	12	18 (1)
Limbang	0	0	0	0	0	21 (1)	2 (1)
Lawas	0	0	0	0	0	0	0
LIMBANG	0	0	0	0	1	21 (1)	2 (1)
SARAWAK	0	0	0	0	25	1	271 (10)

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 9th December 2010 (Surat Pekeliling Ketua Pengarah Kesihatan Malaysia Bil. 33/2010

10.3.1 Locality of Leptospirosis Cluster in Sarawak until Epid. Week 4,2013

No.	District	Locality	Number of Cases	Outbreak Declared
	Nil			

10.4. Notified Melioidosis cases for Epid. Week 4, 2013 compared to Epid. Week 4, 2012 and cumulative cases until Epid. Week 4, 2013

District / Division	Case classification				Total		
	Confirmed		Probable		2013	2012	2011
	EW (4) 2013	EW (4) 2012	EW (4) 2013	EW (4) 2012			
Iundu	0	0	0	0	0	0	0
Bau	0	0	0	0	0	1	1
Kuching	0	0	0	0	0	3	4
KUCHING	0	0	0	0	0	4	5
Samarahan	0	0	0	0	0	1	0
Asajaya	0	0	0	0	0	0	0
Simunjan	0	0	0	0	0	0	0
Serlan	0	0	0	0	0	0	2 (1)
SAMARAHAN	0	0	0	0	0	1	2
Sri Aman	0	0	0	0	0	0	3
Lubok Antu	0	0	0	0	0	1	1
SRI AMAN	0	0	0	0	0	1	4
Betong	0	0	0	0	0	0	0
Saratok	0	0	0	0	0	0	0
BETONG	0	0	0	0	0	0	0
Sarikel	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
SARIKEI	0	0	0	0	0	1	0
Daro	0	0	0	0	0	0	0
Malu	0	0	0	0	0	0	0
Dalat	0	0	0	0	0	1	0
Mukah	0	0	0	0	0	1	2
MUKAH	0	0	0	0	0	2	2
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
SIBU	0	0	0	0	0	1	6
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 (4)
KAPIT	0	0	0	0	0	28	84 (7)
Iataw	0	0	0	0	0	0	4 (1)
Bintulu	0	0	0	0	0	0	6
BINTULU	0	0	0	0	0	0	10 (1)
Miri	0	0	0	0	0	2	7 (2)
Marudi	0	0	0	0	0	0	1
MIRI	0	0	0	0	0	2	8 (2)
Limbang	0	0	0	0	0	0	0
Lawas	0	0	0	0	0	0	0
LIMBANG	0	0	0	0	0	0	0
SARAWAK	0	0	0	0	0	40 (1)	121 (11)

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							

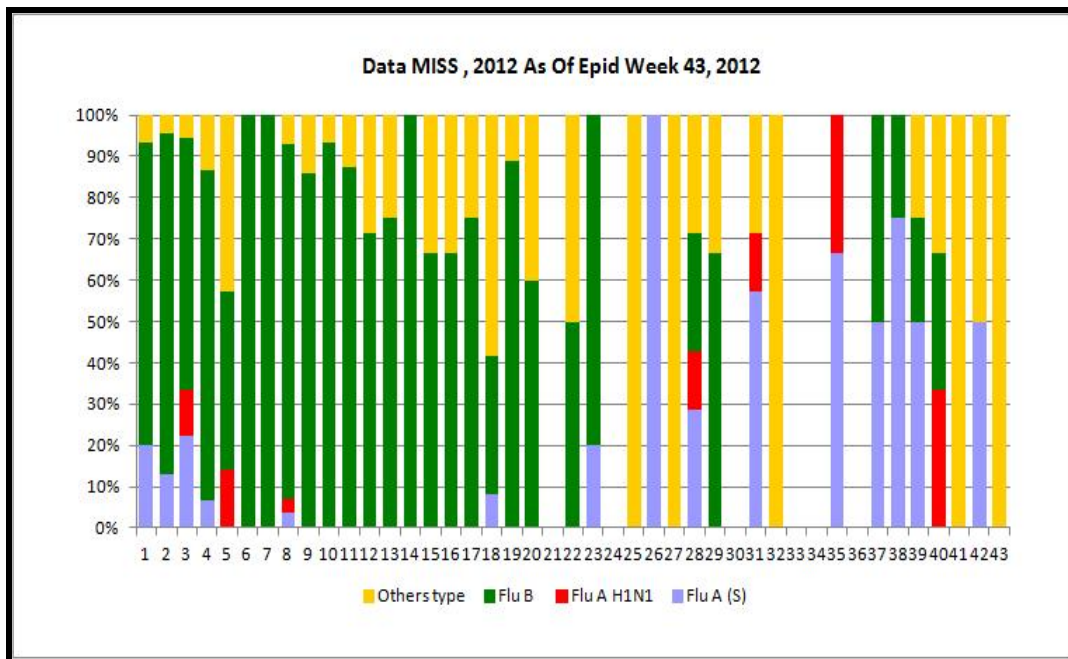
* SGH = Sarawak General Hospital

Note

: # District indicate patient's current place of residence or workplace
® Hospital indicate facility where patient admitted

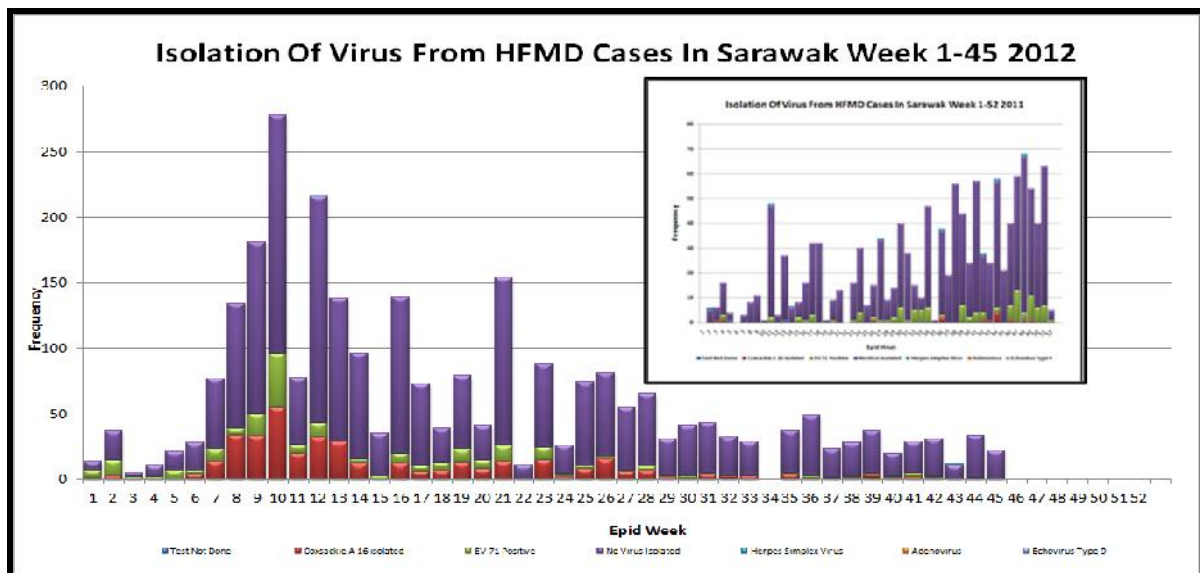
11. LABORATORY BASED SURVEILLANCE

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

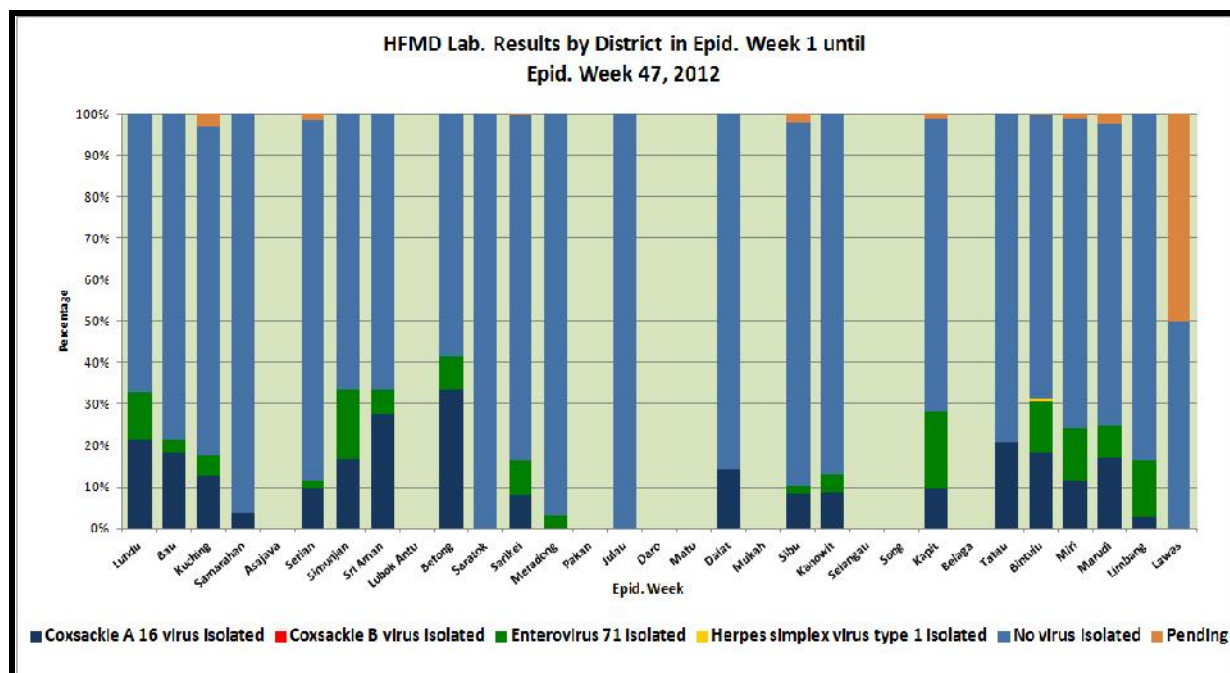


* specimen from Sabah were analysed at MKAK Kota Kinabalu, Sabah.

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



As of 26th 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 9th 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 26th 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
5	Pegawai Kesihatan Bahagian Samarahan Dr. Julaidah Sharip	Pejabat Kesihatan 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	Pegawai Kesihatan Bahagian Sri Aman Dr. Nor Rafizah Aminah bte Aziz	Pejabat Kesihatan Bahagian Sri Aman Tingkat 3, Wisma Persekutuan, Jalan Hospital, 95007 Sri Aman	rafizah76@gmail.com	Tel : 083-322176 Fax : 083-322058 Hp : 012-2110315
7	Pegawai Kesihatan Bahagian Betong Dr. Jeffery Stephen	Pejabat Kesihatan Bahagian Betong KM 2, Jalan Betong, 95700 Betong	endena90@yahoo.com	Tel : 083-472116 Fax : 083-471870 Hp : 019-8584053
8	Pegawai Kesihatan Bahagian Sarikei Dr. Hasrina Hassan	Pejabat Kesihatan Bahagian Sarikei Tingkat 3, Wisma Persekutuan, 96100 Sarikei	hasrina@srwk.moh.gov.my	Tel : 084-651077 Fax : 084-654088 Hp : 013-3403363
9	Pegawai Kesihatan Bahagian Sibu Dr. Muhamad Rais Abdullah	Pejabat Kesihatan 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	Pegawai Kesihatan Bahagian Kapit Dr. Ngian Hie Ung	Pejabat Kesihatan Bahagian Kapit Tingkat 3, Wisma Persekutuan, 96800 Kapit	ngianhu@srwk.moh.gov.my	Tel : 084-796404 Fax : 084-332502 Hp : 017-8030839
11	Pegawai Kesihatan Bahagian Mukah Dr. Hj. Osman Hj. Rafaie	Pejabat Kesihatan Bahagian Mukah Jalan Haji Muhammad Pauzi 96400 Mukah	dho_mukah@yahoo.com	Tel : 084-873301 Fax : 084-872963 Hp : 013-8014700
12	Pegawai Epidemiologi Bahagian Mukah Dr. Nik Daliana Bt. Nik Farid	Pejabat Kesihatan Bahagian Mukah Jalan Haji Muhammad Pauzi 96400 Mukah	daliana75@gmail.com	Tel : 084-873301 Fax : 084-872963 Hp : 012-2779250
13	Pegawai Kesihatan Bahagian Bintulu Dr. Azlee Bin Ayub	Pejabat Kesihatan Bahagian Bintulu Jalan Tun Ahmad Zaidi Adruce, 97000 Bintulu	azlee@srwk.moh.gov.my	Tel : 086-317269 Fax : 086-312354 Hp : 016-8625257
14	Pegawai Kesihatan Bahagian Miri Dr. Faizul Mansoor	Pejabat Kesihatan Bahagian Miri Jalan Temenggong Oyong Lawai Jau, 98000 Miri	bmfaizul@srwk.moh.gov.my	Tel : 086-424722 Fax : 086-429987 Hp : 013-8335504
15	Pegawai Epidemiologi Bahagian Miri Dr. Veronica Lugah	Pejabat Kesihatan Bahagian Miri Jalan Temenggong Oyong Lawai Jau, 98000 Miri	verolugah@yahoo.com	Tel : 086-424722 Fax : 086-429987 Hp : 019-6061847
16	Pegawai Kesihatan Bahagian Limbang Dr. Norliza Jusoh	Pejabat Kesihatan Bahagian Limbang Jalan Pandaruan, 98700 Limbang	norlizaj@srwk.moh.gov.my	Tel : 085-211046 Fax : 085-429987 Hp : 019-8163163

ADVISORS:

Datu Dr Zulkifli Jantan
State Director – Sarawak Health Department

Dr Jamilah Hashim
State Deputy Director (Public Health)

Datu Dr Andrew Kiyu
Consultant Epidemiologist

CHIEF EDITOR:

Dr Razitasham Safii, CDC Section

EDITORS & CONTRIBUTORS:

Tn Hj Asmad Matusop, Entomology Section

Dr Sarina Shuib, VBDC Section

Dr Noorzilawati Sahak, CDC Unit

Mr Abdul Kadir Mohd. Anis

Mr Davidson Clinn Tayus

Mr Muslim Mhd. Ghazali

Mr Ahmad Zaidi Ujang

Ms Maliza Jalel

Mr Mike Jesussen Ak Bolian

Ms Hawa Nabila Binti Hip

Ms Tang Wan Yung

PPKP, VBDC Section

PPKP, STD/AIDS Section

PPKP, TBCLP/LCP Section

GRAPHIC:

Dr Noorzilawati binti Sahak

Mr Davidson Clinn Tayus

CORRESPONDENCE:

COMMUNICABLE DISEASE CONTROL SECTION,
Sarawak Health Department,
Jalan Diplomatik, Off Jalan Bako
93050 Kuching,
Sarawak

Phone: 082-443248/473200

Fax: 082-443098

Email: opsroom_jkns@srwk.moh.gov.my OR
cdcjkns@gmail.com



Note:

1. The data may be subject to change. Any enquiries please call CDC Section, Sarawak Health Department.
2. Prepared by CPRC (Crisis Preparedness and Response Centre), Communicable Disease Control Section, Sarawak Health Department.
3. Any comments or new ideas on Sarawak Weekly Epid. News are greatly appreciated.