



SARAWAK

WEEKLY EPID NEWS

Sarawak Health Department

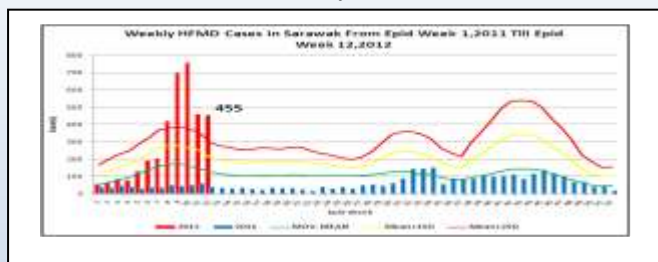
WEEK 12

18th – 24th MARCH 2012

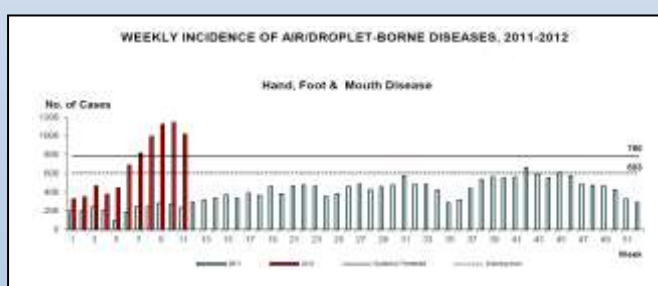
INFECTIOUS DISEASE/CRISIS HIGHLIGHTS IN SARAWAK

In Epid. Week 12, 2012, Sarawak Health Department received reports of 47 HFMD clusters, one suspected measles cluster, and one food poisoning outbreak.

HFMD Trend in Sarawak, 2012



HFMD Trend in Singapore, 2012



Source: <http://www.moh.gov.sg>

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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	Measles	Song	Medical Flat, KK Song, Kapit	2	20 March 2012
2	Food Poisoning	Samarahan	Food Stall Pavilion, UNIMAS	6	22 March 2012

2.1 HFMD CLUSTERS SUMMARY

Division	Category of Cluster				Total
	Family	School	Kindergarten	Child Care Centre	
Kuching	17	1	1	2	21
Samarahan	4	0	1	0	5
Sri Aman	0	0	0	0	0
Betong	2	0	0	0	2
Sarikei	3	1	0	0	4
Mukah	1	0	0	0	1
Sibu	2	0	1	0	3
Kapit	0	0	0	0	0
Bintulu	2	0	1	0	3
Miri	1	0	0	0	1
Limbang	5	0	2	0	7
Total	37	2	6	2	47

3. SUMMARY OF MANDATORY NOTIFIABLE DISEASES REPORTED IN EPID. WEEK 12, 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											6		2								1						
Bau						1					12										2						
Kuching						3					154										6			6			
Samarahan						1			6	1	30																
Asajaya											2																
Simunjan						1					4																
Serian											13																
Sri Aman						1					7		1								1						1
L/ Antu						1					4										1						2
Betong						3					17		1								2			1			
Saratok											5										1						
Sarikei						1					16										1						
Meradong											4																
Pakan						1					6										1						
Julau											5		1														
Daro						1					2																
Matu										1	3																
Dalat											3																
Mukah											4										3						
Sibu											19		2								4						
Kanowit											2		1								2						
Selangau											2		1								2						
Song						1							1														
Kapit						2					10		2								2						
Belaga													1														
Tatau						2					6																
Bintulu						3					50		2								5						
Miri						4					33		2		1						6						
Marudi											1		15								4						
Limbang						1					26										2						
Lawas											9										0						
TOTAL (Week 12)	0/0	0	0	0	0	27	0	0	6	2	455	0	32	0	1	0	0	0	0	0	46	0	0	7	0	0	3
Total (2012)	10/3	0	0	0	0	252	0	0	236	63	3599	0	311	2	174	0	0	0	25	0	346	4	0	39	2	0	28
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	0

* 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. Summary of total number of food-water borne diseases in Sarawak from Epid. Week 1 till Epid. Week 12, 2012

Division	Food poisoning outbreak	Dysentery		Typhoid & paratyphoid fever		Cholera	Hepatitis A	
		S	C	S	C		S	C
Kuching	2	5	0	12	3	0	0	1
Samarahan	2	7	0	1	0	0	0	0
Sri Aman	0	1	0	0	0	0	0	0
Betong	2	1	0	0	0	0	0	0
Sarikei	2	8	0	2	0	0	0	0
Sibu	0	2	0	0	0	0	0	0
Kapit	0	4	0	1	0	0	0	0
Mukah	2	0	0	0	1	0	0	0
Bintulu	1	7	0	0	0	0	0	0
Miri	2	0	0	0	0	0	0	0
Limbang	0	0	0	0	0	0	0	0
Sarawak	13	35	0	16	4	0	0	1

Note: S = Suspected; C = Confirmed

4.2. Food Poisoning

One food poisoning outbreak was reported on the 22nd March 2012 from Food Stall Pavilion, UNIMAS, Kota Samarahan involving 6 person (Male=4, Female=2) after having a vegetarian meal. The suspected food was '*sayur sawi goreng*' and the probable microorganism is *Bacillus cereus*. The risk factor was cross contamination due to improper storage of raw food.

4.3. Cholera

No case was reported in Epid. Week 12, 2012.

4.4. Dysenteries (All forms)

Three suspected dysentery cases were reported in Epid. Week 12, 2012 from Serian (1), Bintulu (1) and Pakan (1) Districts. The suspected cases from Serian and Bintulu Districts were negative for stool C&S test. No specimen was taken from the suspected case from Pakan District. As at 24th March 2012, a total of 35 suspected dysenteries (all forms) cases were reported but none were positive for culture & sensitivity test.

4.5. Typhoid and paratyphoid fever.

No suspected typhoid case was reported in Epid. Week 12, 2012.

4.6. Hepatitis A.

No case of Hepatitis A was reported in Epid. Week 12, 2012.

5. SURVEILLANCE REPORT ON VACCINE PREVENTABLE DISEASES

5.1. Total number of Vaccine Preventable Diseases Reported by division in Epid. Week 12, 2012

Division	TYPES OF DISEASES													
	Diphtheria		Measles					Rubella	Polio		Tetanus		Whooping Cough	
	S	C	Suspected (Registered Cases in SM2)	Confirmed			Discard	Lab. Confirmed	S	C	S	C	S	C
				Lab. Confirmed	Clinically Confirmed	Epid. Link								
KUCHING	0	0	0	0	0	0	0	0	0	0	0	0	3	0
SAMARAHAN	0	0	1	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	0	0
BETONG	0	0	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	0	0
SIBU	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KAPIT	0	0	2	0	0	0	0	0	0	0	0	0	0	0
MUKAH	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BINTULU	0	0	2	0	0	0	0	0	0	0	0	0	0	0
MIRI	0	0	6	1	0	0	0	0	0	0	0	0	0	0
LIMBANG	0	0	1	0	0	0	0	0	0	0	0	0	0	0
SARAWAK	0	0	12	1	0	0	0	0	0	0	0	0	3	0

Note: S = suspected; C = confirmed

5.2. Measles (data derived from SM2)

A total of 10 suspected sporadic measles cases were reported in Epid. Week 12, 2012 from Miri (4), Marudi (2), Simunjan (1), Bintulu (2), and Sarikei (1). One suspected measles cluster was reported from Song District involving 2 siblings.

5.2.1. Measles Elimination Programme (MEP) Achievement by Division in Epid. Week 12, 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	0	-	-	-
Samarahan	1	1(100%)	1(100%)	1(100%)
Sri Aman	0	-	-	-
Betong	0	-	-	-
Sarikei	0	-	-	-
Sibu	0	-	-	-
Kapit	2	2(100%)	2(100%)	2(100%)
Mukah	0	-	-	-
Bintulu	2	2(100%)	2(100%)	2(100%)
Miri	6	6(100%)	6(100%)	6(100%)
Limbang	1	1(100%)	1(100%)	1(100%)
Sarawak	12	12(100%)	12(100%)	12(100%)

Strategies of MEP:

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

5.3. Whooping Cough

One suspected whooping cough case was reported from Kuching District in Epid Week 12, 2012. The results are still pending.

5.4. Polio

No suspected case was reported in Epid. Week12 2012.

5.5. Rubella

No Rubella case was reported in Epid. Week 12, 2012. The cumulative confirmed case reported in 2012 remains as one.

5.6. Tetanus (All forms)

No suspected case was reported in Epid. Week 12, 2012.

6. SURVEILLANCE REPORT ON HIV/AIDS AND STI

6.1 Notified HIV/AIDS cases for Epid. Week 12, 2012 and cumulative cases from Epid. Week 1 until Epid. Week 12, 2012.

District / Division	2012			
	EW 12		Cumulative	
	HIV	AIDS	HIV	AIDS
Lundu	0	0	0	0
Bau	0	0	0	0
Kuching	0	0	2	0
KUCHING	0	0	2	0
Samarahan	0	0	1	0
Asajaya	0	0	0	0
Simunjan	0	0	2	1
Serian	0	0	0	1
SAMARAHAN	0	0	3	2
Sri Aman	0	0	0	0
LubokAntu	0	0	0	0
SRI AMAN	0	0	0	0
Betong	0	0	0	0
Saratok	0	0	0	0
BETONG	0	0	0	0
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	1	0
MUKAH	0	0	1	0
Sibu	0	0	0	0
Kanowit	0	0	1	0
Selangau	0	0	0	0
SIBU	0	0	1	0
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	0	0	0	0
BINTULU	0	0	0	0
Miri	0	0	2	0
Marudi	0	0	0	0
MIRI	0	0	2	0
Limbang	0	0	1	0
Lawas	0	0	0	1
LIMBANG	0	0	1	1
Sarawak	0	0	10	3

EW = Epid. Week; Cum. = Cumulative figure

6.2 HIV/AIDS Patient Classification Notified in Epid. Week 12 and Cumulative from Epid. Week 1 until Epid. Week 12, 2012

District / Division	2012					
	Children		Women		Foreigner	
	EW 12	Cum.	EW 12	Cum.	EW 12	Cum.
Lundu	0	0	0	0	0	0
Bau	0	0	0	0	0	0
Kuching	0	0	0	0	0	0
KUCHING	0	0	0	0	0	0
Samarahan	0	0	0	0	0	0
Asajaya	0	0	0	0	0	0
Simunjan	0	0	0	1	0	1
Serian	0	0	0	0	0	0
SAMARAHAN	0	0	0	0	0	0
Sri Aman	0	0	0	0	0	0
LubokAntu	0	0	0	0	0	0
SRI AMAN	0	0	0	0	0	0
Betong	0	0	0	0	0	0
Saratok	0	0	0	0	0	0
BETONG	0	0	0	0	0	0
Sarikei	0	0	0	0	0	0
Meradong	0	0	0	0	0	0
Pakan	0	0	0	0	0	0
Julau	0	0	0	0	0	0
SARIKEI	0	0	0	0	0	0
Daro	0	0	0	0	0	0
Matu	0	0	0	0	0	0
Dalat	0	0	0	0	0	0
Mukah	0	0	0	0	0	0
MUKAH	0	0	0	0	0	0
Sibu	0	0	0	0	0	0
Kanowit	0	0	0	1	0	0
Selangau	0	0	0	0	0	0
SIBU	0	0	0	1	0	0
Song	0	0	0	0	0	0
Kapit	0	0	0	0	0	0
Belaga	0	0	0	0	0	0
KAPIT	0	0	0	0	0	0
Tatau	0	0	0	0	0	0
Bintulu	0	0	0	0	0	0
BINTULU	0	0	0	0	0	0
Miri	0	0	0	1	0	0
Marudi	0	0	0	0	0	0
MIRI	0	0	0	1	0	0
Limbang	0	0	0	0	0	0
Lawas	0	0	0	0	0	0
LIMBANG	0	0	0	0	0	0
Sarawak	0	0	0	3	0	1

No HIV/AIDS case was reported in Epid. Week 12, 2012.

3.3.3 Notified Gonorrhoea and Syphilis (all forms) cases for Epid. Week 11, 2012 and Cumulative cases from Epid. Week 1, 2012 until Epid. Week 11, 2012.

District / Division	Gonorrhoea		Syphilis (all forms)	
	EW 12	Cum.	EW 12	Cum.
Lundu	0	2	0	1
Bau	0	0	0	0
Kuching	0	26	0	11
KUCHING	0	28	0	12
Samarahan	1	5	0	2
Asajaya	0	2	0	1
Simunjan	0	2	0	0
Serian	0	3	0	0
SAMARAHAN	1	12	0	3
Sri Aman	0	0	0	4
LubokAntu	0	1	0	1
SRI AMAN	0	1	0	5
Betong	0	0	0	0
Saratok	0	1	0	0
BETONG	0	1	0	0
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	1	2	0	0
Dalat	0	0	0	0
Mukah	0	0	0	0
MUKAH	1	2	0	0
Sibu	0	8	0	5
Kanowit	0	0	0	0
Selangau	0	0	0	0
SIBU	0	8	0	5
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	0	0	0	1
BINTULU	0	0	0	1
Miri	0	8	0	2
Marudi	0	0	0	0
MIRI	0	8	0	2
Limbang	0	1	0	0
Lawas	0	1	0	0
LIMBANG	0	2	0	0
Sarawak	2	63	0	31

EW = Epid. Week; Cum. = Cumulative figure

Gonorrhoea

Two cases were reported in Epid. Week 12, 2012 from Samarahan (1) and Matu (1) Districts. As at Epid. Week 12, 2012, the cumulative cases reported remains as 63.

Syphilis (All forms)

No case was reported in Epid. Week 12, 2012. The cumulative cases reported in 2012 remains as 31.

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

7.1 Notified Tuberculosis cases for Epid. Week 12, 2012 compared to Epid. Week 12, 2011 and cumulative cases until Epid. Week 12, 2012.

District / Division	2012		2011		
	EW 12	Cum.	EW 12	Cum.	Total
Lundu	1	4	0	6	22
Bau	2	10	3	9	42
Kuching	6	87	6	76	365
KUCHING	9	101	9	91	429
Samarahan	0	4	0	9	46
Asajaya	0	3	0	2	29
Simunjan	0	8	0	5	37
Serian	0	12	1	15	61
SAMARAHAN	0	27	1	31	173
Sri Aman	1	9	1	11	58
LubokAntu	1	6	0	13	49
SRI AMAN	2	15	1	24	107
Betong	2	6	1	10	43
Saratok	1	8	1	11	55
BETONG	3	14	2	21	98
Sarikei	1	3	0	12	51
Meradong	0	9	0	7	29
Pakan	1	3	0	7	22
Julau	0	3	1	5	22
SARIKEI	2	18	1	31	124
Daro	0	1	0	7	27
Matu	0	1	0	1	4
Dalat	0	0	0	3	14
Mukah	3	3	0	6	44
MUKAH	3	5	0	17	89
Sibu	4	27	3	43	175
Kanowit	2	5	0	7	42
Selangau	2	3	0	5	32
SIBU	8	35	3	55	249
Song	0	4	0	7	23
Kapit	2	10	0	14	60
Belaga	0	3	0	5	40
KAPIT	2	17	0	26	123
Tatau	0	5	1	11	43
Bintulu	5	23	2	33	187
BINTULU	5	28	3	44	230
Miri	6	57	2	73	306
Marudi	4	9	3	12	61
MIRI	10	66	5	85	367
Limbang	2	15	0	11	42
Lawas	0	5	0	7	24
LIMBANG	2	20	0	18	66
Sarawak	46	346	25	443	2055

EW = Epid. Week; Cum. = Cumulative figure

7.2 Notified Leprosy cases for Epid. Week 12, 2012 compared to Epid. Week 12, 2011 and cumulative cases until Epid. Week 12, 2012.

District / Division	2012		2011		
	EW 12	Cum.	EW 12	Cum.	Total
Lundu	0	0	0	0	0
Bau	0	0	0	0	0
Kuching	0	0	0	0	3
KUCHING	0	0	0	0	3
Samarahan	0	0	0	0	0
Asajaya	0	0	0	0	0
Simunjan	0	0	0	0	0
Serian	0	0	0	0	0
SAMARAHAN	0	0	0	0	0
Sri Aman	0	0	0	0	0
LubokAntu	0	0	0	0	0
SRI AMAN	0	0	0	0	0
Betong	0	0	0	0	0
Saratok	0	0	0	0	0
BETONG	0	0	0	0	0
Sarikei	0	0	0	0	0
Meradong	0	0	0	0	0
Pakan	0	0	0	0	0
Julau	0	0	0	0	0
SARIKEI	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	1
MUKAH	0	0	0	0	1
Sibu	0	0	0	1	1
Kanowit	0	0	0	0	0
Selangau	0	0	0	0	0
SIBU	0	0	0	1	1
Song	0	0	0	0	0
Kapit	0	0	0	0	0
Belaga	0	0	0	0	6
KAPIT	0	0	0	0	6
Tatau	0	0	0	0	0
Bintulu	0	0	0	0	1
BINTULU	0	0	0	0	1
Miri	0	0	0	0	4
Marudi	0	0	0	0	5
MIRI	0	0	0	0	9
Limbang	0	0	0	1	4
Lawas	0	0	0	0	0
LIMBANG	0	0	0	1	4
Sarawak	0	0	0	2	25

7.3 Case classification for notified Tuberculosis (all forms) for Epid. Week 12, 2012

District / Division	Case classification					
	Positive smear		Negative smear		Extra PTB	
	EW 12	Cum.	EW 12	Cum.	EW 12	Cum.
Lundu	1	2	0	1	0	1
Bau	2	8	0	2	0	0
Kuching	2	53	4	24	0	10
KUCHING	5	63	4	27	0	11
Samarahan	0	3	0	0	0	1
Asajaya	0	0	0	2	0	1
Simunjan	0	6	0	2	0	0
Serian	0	11	0	1	0	0
SAMARAHAN	0	20	0	5	0	2
Sri Aman	1	7	0	1	0	1
LubokAntu	1	6	0	0	0	0
SRI AMAN	2	13	0	1	0	1
Betong	2	6	0	0	0	0
Saratok	1	7	0	1	0	0
BETONG	3	13	0	1	0	0
Sarikei	1	2	0	1	0	0
Meradong	0	5	0	4	0	0
Pakan	1	2	0	0	0	1
Julau	0	3	0	0	0	0
SARIKEI	2	12	0	5	0	1
Daro	0	0	0	1	0	0
Matu	0	1	0	0	0	0
Dalat	0	0	0	0	0	0
Mukah	2	2	1	1	0	0
MUKAH	2	3	1	2	0	0
Sibu	1	18	2	5	1	4
Kanowit	0	3	0	0	2	2
Selangau	2	3	0	0	0	0
SIBU	3	24	2	5	3	6
Song	0	2	0	1	0	1
Kapit	1	5	1	2	0	3
Belaga	0	3	0	0	0	0
KAPIT	1	10	1	3	0	4
Tatau	0	4	0	1	0	0
Bintulu	3	15	2	8	0	0
BINTULU	3	19	2	9	0	0
Miri	5	45	0	8	1	4
Marudi	3	6	0	1	1	2
MIRI	8	51	0	9	2	6
Limbang	2	15	0	0	0	0
Lawas	0	3	0	1	0	1
LIMBANG	2	18	0	1	0	1
Sarawak	31	246	10	68	5	32

EW = Epid. Week; Cum. = Cumulative figure

Tuberculosis (all forms)

A total of 46 cases of tuberculosis (all forms) were reported in Epid. Week 12 2012. As at 24th March 2012, the cumulative total of reported cases is 346.

In Epid Week 12, 2012, one case of TB involved a Medical Lab. Technician from Miri Hospital and two TB cases involved psychiatric patients in Sentosa Hospital, Kuching District.

In 2011, the total number of TB/HIV cases was 21 and TB among foreigner was 116.

Leprosy

No case of leprosy reported in Epid. Week 12, 2012. It is remain nil case reported in 2012 compare to 2 cases reported in 2011 for the same period.

7.4 Patient Classification for notified Tuberculosis (all forms) in Epid. Week 12, 2012.

District / Division	Patient Classification											
	Children		Health care worker				PUSPEN/Prison		Foreigner		Care Centre	
	EW 12	Cum.	*Exposed		*Not exposed		EW 12	Cum.	EW 12	Cum.	EW 12	Cum.
			EW 12	Cum.	EW 12	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	0	0	0	0	1	0	2	0	0
KUCHING	0	0	0	0	0	0	0	1	0	2	0	0
Samarahan	0	0	0	0	0	0	0	0	0	1	0	0
Asajaya	0	0	0	0	0	0	0	0	0	0	0	0
Simunjan	0	0	0	0	0	0	0	0	0	1	0	0
Serian	0	1	0	0	0	0	0	0	0	0	0	0
SAMARAHAN	0	1	0	0	0	0	0	0	0	2	0	0
Sri Aman	0	0	0	0	0	0	0	0	0	1	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	1	0	0
Betong	0	0	0	0	0	0	0	0	0	1	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	1	0	0
Sarikei	0	0	0	0	0	0	0	0	0	0	0	0
Meradong	0	2	0	0	0	0	0	0	0	0	0	0
Pakan	0	0	0	0	0	0	0	0	0	0	0	0
Julau	0	0	0	0	0	0	0	0	0	0	0	0
SARIKEI	0	2	0	0	0	0	0	0	0	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	0	0	0
MUKAH	0	0	0	0	0	0	0	0	0	0	0	0
Sibu	0	1	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	1	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	1	0	0	0	0	0	0	0	0	0	0
Belaga	0	0	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	2	0	0
Bintulu	0	1	0	0	0	0	0	0	0	4	0	0
BINTULU	0	1	0	0	0	0	0	0	0	6	0	0
Miri	0	0	1	1	0	0	0	0	0	7	0	0
Marudi	0	0	0	0	0	0	0	0	0	0	0	0
MIRI	0	0	1	1	0	0	0	0	0	7	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	6	0	0	0	0	0	1	0	19	0	0

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

* Possibility of exposed or not exposed to TB patient

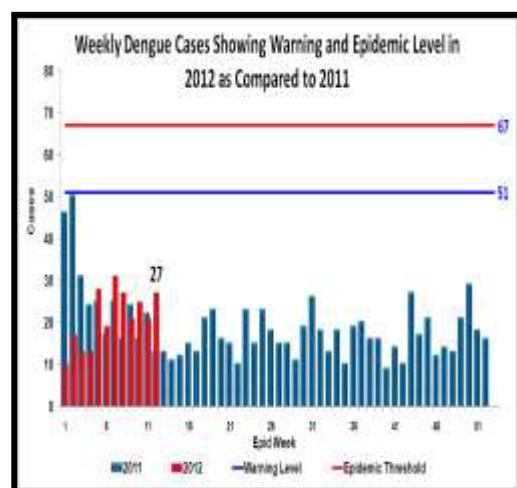
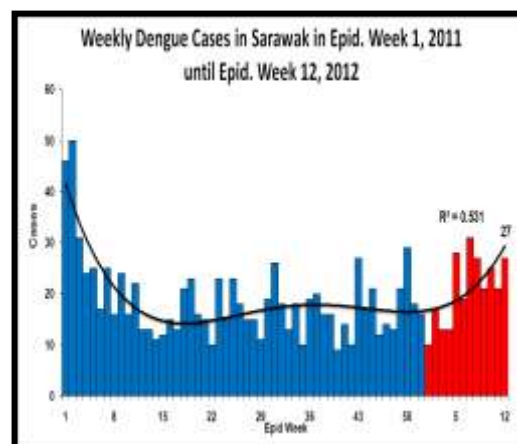
Figure for TB notified cases are based on registered TB cases in e-Notifikasi system.

8. SURVEILLANCE REPORT ON VECTOR BORNE DISEASES

8.1. Notified Dengue cases for Epid. Week 12, 2012 compared to Epid. Week 12, 2011 and cumulative cases until Epid. Week 12, 2012.

District	2012		2011		Total
	EW 12	Cum.	EW 12	Cum.	
Lundu	0	2	0	2	10
Bau	1	9	0	11	36
Kuching	3	34	2	33	106
Samarahan	1	9	0	4	21
Asajaya	0	1	1	1	4
Serian	0	3	0	4	18
Simunjan	1	7	1	7	19
Sri Aman	1	14	3	19	56
Lubok Antu	1	8	0	7	23
Betong	3	10	0	5	13
Saratok	0	4	0	0	11
Sarikei	1	9	0	7	28
Meradong	0	4	0	6	14
Pakan	1	8	0	6	23
Julau	0	1	1	2	17
Daro	1	1	0	5	6
Matu	0	0	0	1	1
Dalat	0	6	0	1	3
Mukah	0	2	0	3	5
Sibu	0	11	0	41	75
Kanowit	0	3	0	10	31
Selangau	0	1	0	5	10
Song	1	6	0	6	10
Kapit	2	14	1	15	32
Belaga	0	3	0	5	27
Tatau	2	8	1	12	47
Bintulu	3	15	1	32	100
Miri	4	46	2	33	134
Marudi	0	6	0	18	59
Limbang	1	6	0	6	20
Lawas	0	1	0	2	15
Sarawak	27	252	13	309	974

EW = Epid. Week; Cum. = Cumulative figure



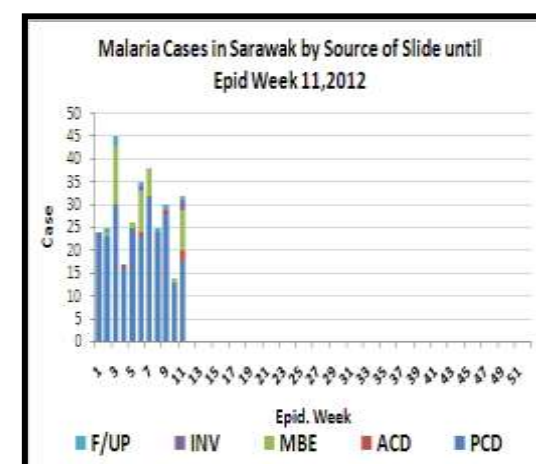
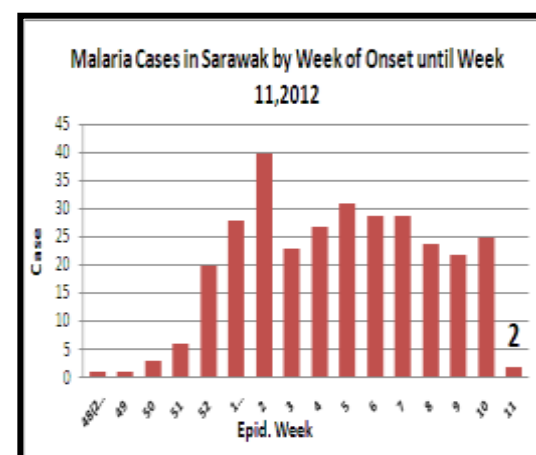
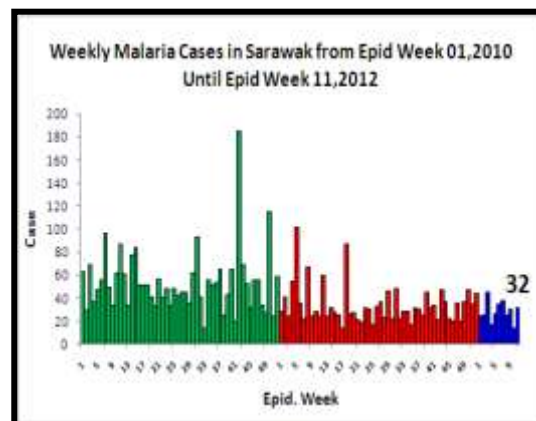
A total of 27 dengue cases were reported in Epid. Week 12, 2012 compared to 21 cases during the same period in 2011.

There was an increase of six cases from the previous week.

No new outbreak was reported.

8.2. Notified Malaria cases for Epid. Week 11, 2012 compared to Epid.Week11, 2011 and cumulative cases until Epid.Week 11 in 2012.

District	2012		2011		Total
	EW 11	Cum.	EW 11	Cum.	
Lundu	2	4	5	16	33
Bau	0	0	0	0	5
Kuching	0	7	1	3	23
Samarahan	0	1	0	2	3
Asajaya	0	0	0	0	1
Serian	0	2	0	5	21
Simunjan	0	2	0	0	2
Sri Aman	1	4	0	4	17
Lubok Antu	0	8	0	5	25
Betong	1	8	1	9	47
Saratok	0	3	0	0	3
Sarikei	0	3	0	5	16
Meradong	0	1	0	2	9
Pakan	0	14	0	4	29
Julau	1	20	1	14	69
Daro	0	2	0	0	2
Matu	0	1	0	0	2
Dalat	0	1	0	1	10
Mukah	0	1	0	1	2
Sibu	2	18	0	10	52
Kanowit	1	17	1	19	89
Selangau	1	7	0	2	16
Song	1	12	3	15	78
Kapit	2	43	3	40	230
Belaga	1	13	2	26	139
Tatau	0	6	1	3	34
Bintulu	2	6	1	10	39
Miri	2	12	1	13	40
Marudi	15	73	3	227	670
Limbang	0	8	0	3	21
Lawas	0	14	1	11	34
Sarawak	32	311	24	450	1761



A total of 32 cases was reported in Epid. Week 11, 2012. The cumulative cases till Epid. Week 11 was 311 cases. Of the 311 cases, 73 cases (23.5%) from Marudi District, 43 cases (15%) from Kapit District and 20 cases (6%) Julau 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 11	Cum.
Passive Case Detection (PCD)	18	256
Active Case Detection (ACD)	2	5
Investigation slides (INV)	2	3
Mass Blood Survey (MBS)	9	40
Follow-up	1	7
Total	32	311

8.2.2. Malaria cases by species

Species	2012	
	EW 11	Cum.
<i>P. vivax</i>	21	116
<i>P. falciparum</i>	1	23
<i>P. malariae</i>	1	11
<i>P.knowlesi</i>	8	159
<i>P.ovale</i>	1	2
Mixed	0	0
Total	32	311

8.2.3. Malaria cases by case classification

Classification	2012	
	EW 11	Cum.
Indigenous	28	262
*Imported A	4	48
Relapsed	0	1
Congenital	0	0
Total	32	311

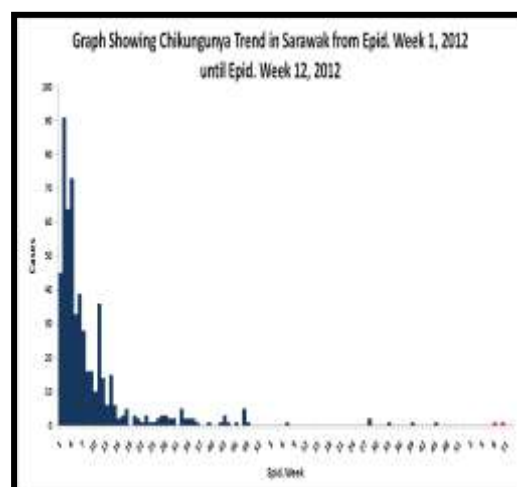
8.2.4. The summary of the *Imported A cases

No.	District reported	Source of infection	Nationality	Age	Gender	Address in Sarawak	Species
1	Miri	KKB Asian Congo (Rimbunan Hijau), Congo, Afrika	Malaysian	24	Male	Lot 4058, Lrg. 2C-6C-2, Taman Desa Senadin, Baram, Miri	<i>P. falciparum</i>
2		KKB Samling, Monrovia, Liberia, Africa		26		Lot 102, Lorong 2D, Jalan Pujut, Tanjong Batu 1, Miri	<i>P. ovale</i>
3	Bintulu	KKB Mas Camp, Lako Admiral, Papua New Guinea		40		Bt. 13, JalanBintulu-Miri, Rh. Jackson Tubam, Bintulu	<i>P. malariae</i>
4	Sibu			46		Sungai Paradom, Durin, Sibu	<i>P. vivax</i>

KKB = Kem Kayu Balak (Logging Camp)

8.3. Notified Chikungunya cases for Epid. Week 12, 2012 compared to Epid. Week 12, 2011 and cumulative cases until Epid. Week 12 in 2012.

District	2012		2011		Total
	EW 12	Cum.	EW 12	Cum.	
Lundu	0	0	0	0	0
Bau	0	0	0	0	0
Kuching	0	0	0	0	1
Samarahan	0	0	0	0	0
Asajaya	0	1	0	0	1
Serian	0	0	0	0	1
Simunjan	0	0	0	0	0
Sri Aman	0	0	0	0	0
Lubok Antu	0	0	0	0	0
Betong	0	0	0	1	1
Saratok	0	0	0	0	0
Sarikei	0	0	0	0	0
Meradong	0	0	0	0	0
Pakan	0	0	0	0	0
Julau	0	0	0	0	0
Daro	0	0	0	0	1
Matu	0	0	0	0	0
Dalat	0	0	0	0	0
Mukah	0	0	0	0	0
Sibu	0	0	0	0	0
Kanowit	0	0	0	0	0
Selangau	0	0	0	0	0
Song	0	1	0	0	0
Kapit	0	0	0	0	0
Belaga	0	0	0	0	0
Tatau	0	0	0	0	0
Bintulu	0	0	0	0	0
Miri	0	0	0	0	0
Marudi	0	0	0	0	1
Limbang	0	0	0	0	0
Lawas	0	0	0	0	0
Sarawak	0	2	0	1	6



No case of chikungunya was reported in Epid. Week 12, 2012. The cumulative cases of Chikungunya for 2012 remains as two.

EW = Epid. Week; Cum. = Cumulative figure

8.4. Filariasis

No case of Filariasis was reported in Epid Week 12, 2012. In 2012, the cumulative case of Filariasis remains as 7.

8.5 Japanese Encephalitis (JE)

No case of Japanese Encephalitis (JE) was reported in Epid. Week 12, 2012. The cumulative case of Japanese Encephalitis (JE) reported in 2012 remains as one.

9. SURVEILLANCE REPORT ON OTHER INFECTIOUS DISEASES

9.1. Viral Encephalitis

No viral encephalitis case was reported in Epid. Week 12, 2012. As at 24th March 2012, the cumulative cases of Viral Encephalitis reported remains as one.

9.2. Viral Hepatitis (all form)

Six chronic Hepatitis B cases from Kuching District and one case of acute Hepatitis B from Saratok District were reported in Epid. Week 12, 2012.

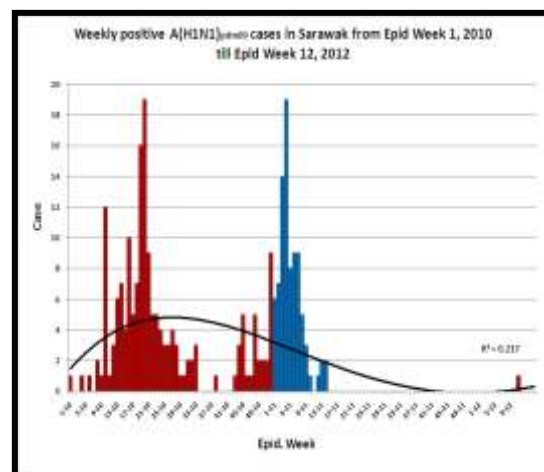
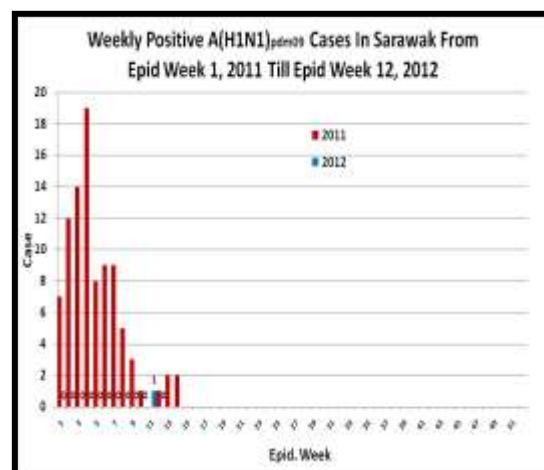
As at 24th March 2012, the total cases reported was 39 cases with two Hepatitis A, four acute Hepatitis B, 20 chronic Hepatitis B, four acute Hepatitis C and ten chronic Hepatitis C cases.

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

10.1.A/H1N1_{pdm09}

10.1.1 Positive Pandemic Influenza A/H1N1_{pdm09} cases for Epid. Week 12, 2012 compared to Epid. Week 12, 2011 and cumulative cases until Epid. Week 12 in 2012.

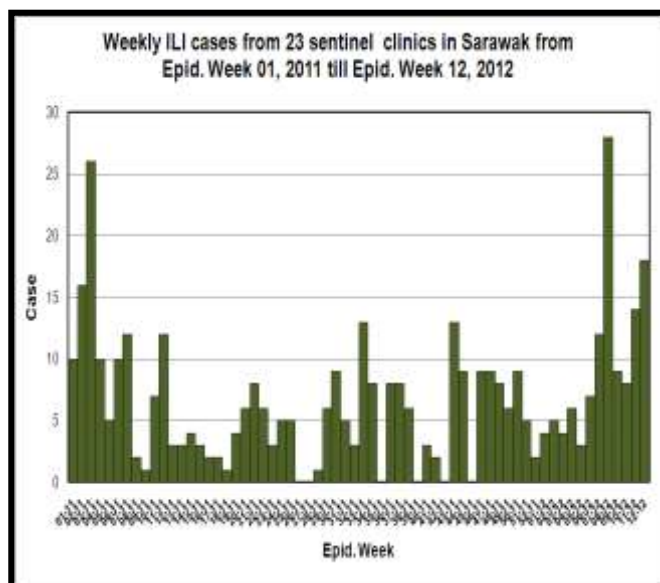
District	2012		2011		Total
	EW 12	Cum.	EW 12	Cum.	
Lundu	0	0	0	0	1
Bau	0	0	0	0	0
Kuching	0	0	1	41	51
Samarahan	0	0	0	0	0
Simunjan	0	0	0	0	0
Serian	0	0	0	0	0
Sri Aman	0	0	0	0	0
Lubok Antu	0	0	0	0	0
Betong	0	0	0	0	1
Saratok	0	0	0	0	0
Sarikei	0	0	0	0	0
Meradong	0	0	0	0	0
Julau	0	0	0	0	0
Daro	0	0	0	0	0
Dalat	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	1
Belaga	0	0	0	1	1
Tatau	0	0	0	0	0
Bintulu	0	1	0	25	27
Miri	0	0	0	2	6
Marudi	0	0	0	0	0
Limbang	0	0	0	2	2
Lawas	0	0	0	1	1
SARAWAK	0	1	1	73	92



No A/H1N1_{pdm09} positive case was reported in Epid. Week 12, 2012 compared to one case reported for the same Epid. Week 2011.

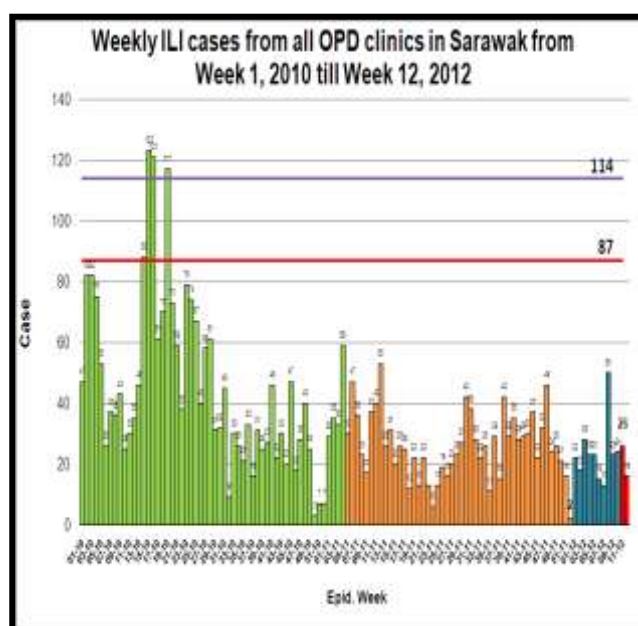
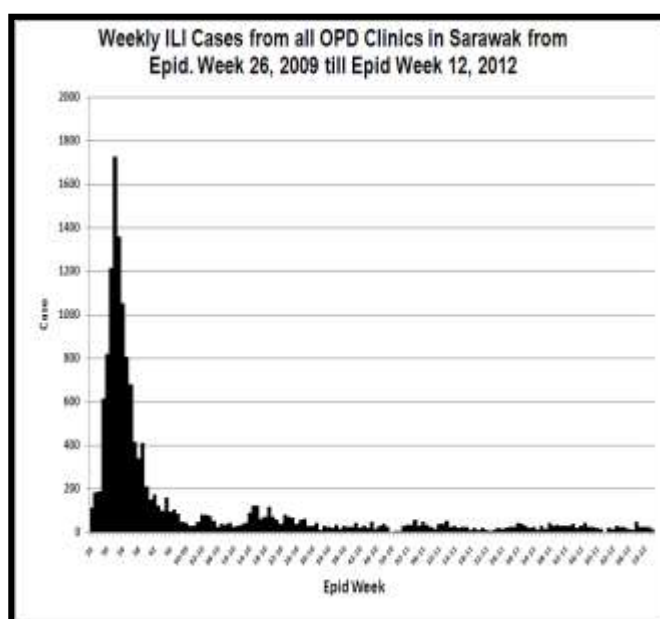
EW = Epid. Week; Cum. = cumulative figure

10.1.2 Outpatient Influenza-Like Illness (ILI) Surveillance from Epid.Week1 in 2010 till Epid.Week12 in 2012.



In Epid. Week 12, 2012, 18 cases of ILI reported from sentinel clinics and 26 cases from all 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).

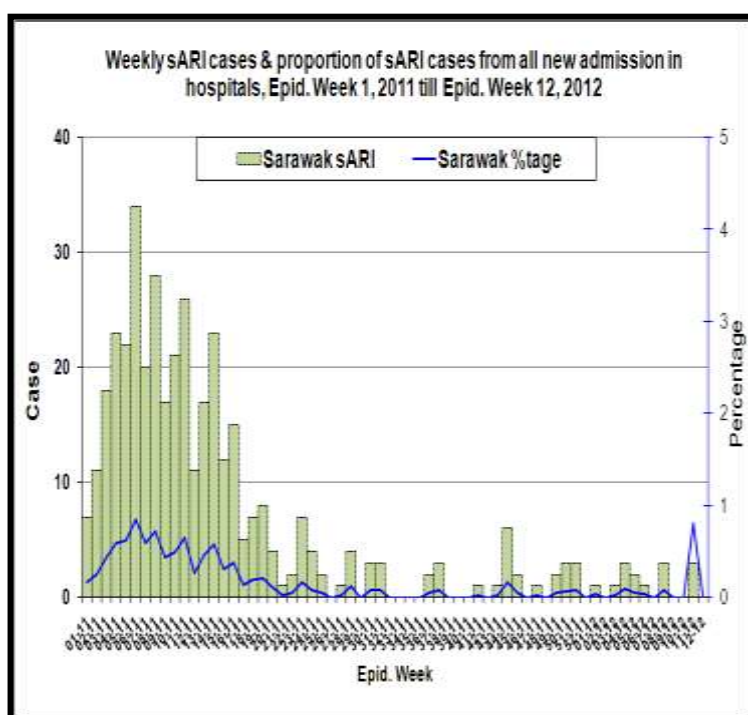


Referring to a letter dated 25 January 2011 from Office of the Deputy Director-General of Health (Public Health), Department of Public Health, Ministry of Health Malaysia about **PEMANTAUAN AKTIVITI A/H1N1pdm09 SECARA BERTERUSAN**, all PKB/PKD's must send their daily H1N1 report as well as ILI and sARI 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 24th March 2012.

No ILI cluster was reported. The last cluster was reported 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 sARI Admission in Government Hospitals in Sarawak as on 24th March 2012.

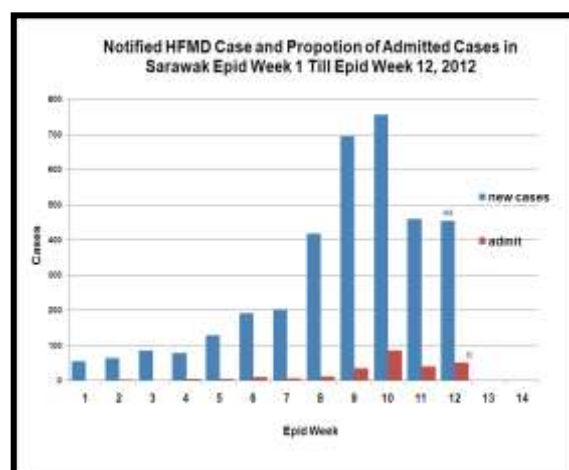
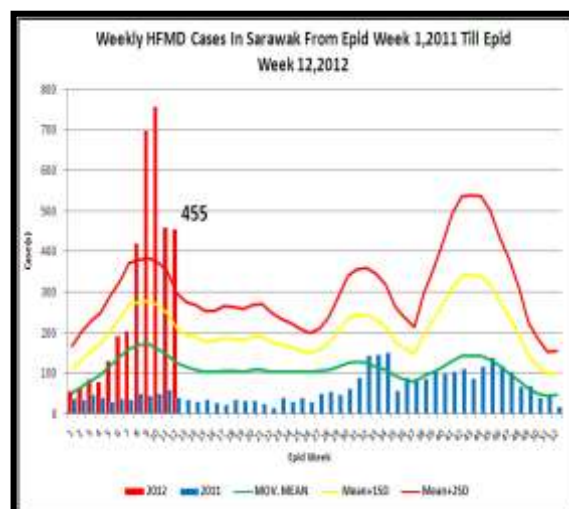
Division	Hospital	New EW 12	Cumulative 2012	No. of Inpatient			No. of Patient on Ventilator	Throat swabs		
				ICU	ISO	Other wards		Positive	Pending	Negative
Kuching	SGH Kuching	1	17	0	0	1	0	0	0	1
	Bau	0	1	0	0	0	0	0	0	0
	Lundu	0	0	0	0	0	0	0	0	0
	RCBM	0	0	0	0	0	0	0	0	0
	Sentosa	0	0	0	0	0	0	0	0	0
Samarahan	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	3	7	0	3	0	0	0	3	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		4	26	0	3	1	0	0	3	1

EW = Epid. Week; Cum. = Cumulative figure

Four sARI cases were reported in Epid. Week 12, 2012; one case from SGH Kuching and three cases from Bintulu Hospital. The sARI case from SGH Kuching was negative and all cases from Bintulu Hospital cases were still pending for A/H1N1_{pdm09}.

10.2. Notified HFMD (masterlist) cases for Epid.Week 12, 2012 compared to Epid.Week 12, 2011 and cumulative cases in Epid.Week 12, 2011.

District / Division	2012		2011		Total
	EW (12)	Cum.	EW (12)	Cum.	
Lundu	6	59	5	59	31
Bau	12	86	1	8	149
Kuching	154	1144	1	2	602
KUCHING	172	1289	7	69	782
Samarahan	30	226	0	5	127
Asajaya	2	34	0	0	35
Simunjan	4	48	0	0	19
Serian	13	119	0	0	39
SAMARAHAN	49	427	0	5	220
Sri Aman	7	128	3	8	97
Lubok Antu	4	19	0	1	18
SRI AMAN	11	147	3	9	115
Betong	17	146	0	12	57
Saratok	5	50	2	16	37
BETONG	22	196	2	28	94
Sarikei	16	123	0	51	188
Meradong	4	15	0	4	73
Pakan	6	34	0	1	7
Julau	5	23	0	1	32
SARIKEI	31	195	0	57	300
Daro	2	34	0	0	7
Matu	3	14	0	0	4
Dalat	3	25	0	21	84
Mukah	4	41	0	12	42
MUKAH	12	114	0	33	137
Sibu	19	135	0	30	149
Kanowit	2	13	0	0	6
Selangau	2	10	0	1	22
SIBU	23	158	0	31	177
Song	0	7	5	32	12
Kapit	10	106	0	0	64
Belaga	0	18	0	4	55
KAPIT	10	131	5	36	131
Tatau	6	60	3	98	25
Bintulu	50	367	0	7	25
BINTULU	56	427	3	105	772
Miri	33	245	4	53	324
Marudi	1	26	6	32	49
MIRI	34	271	10	85	373
Limbang	26	201	0	5	65
Lawas	9	43	0	0	4
LIMBANG	35	244	0	5	69
SARAWAK	455	3599	30	463	3170



A total of 455 HFMD cases reported in Epid. Week 12, 2012 compared to only 30 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. Bintulu
4. Miri
5. Betong

EW = Epid. Week; Cum. = Cumulative figure

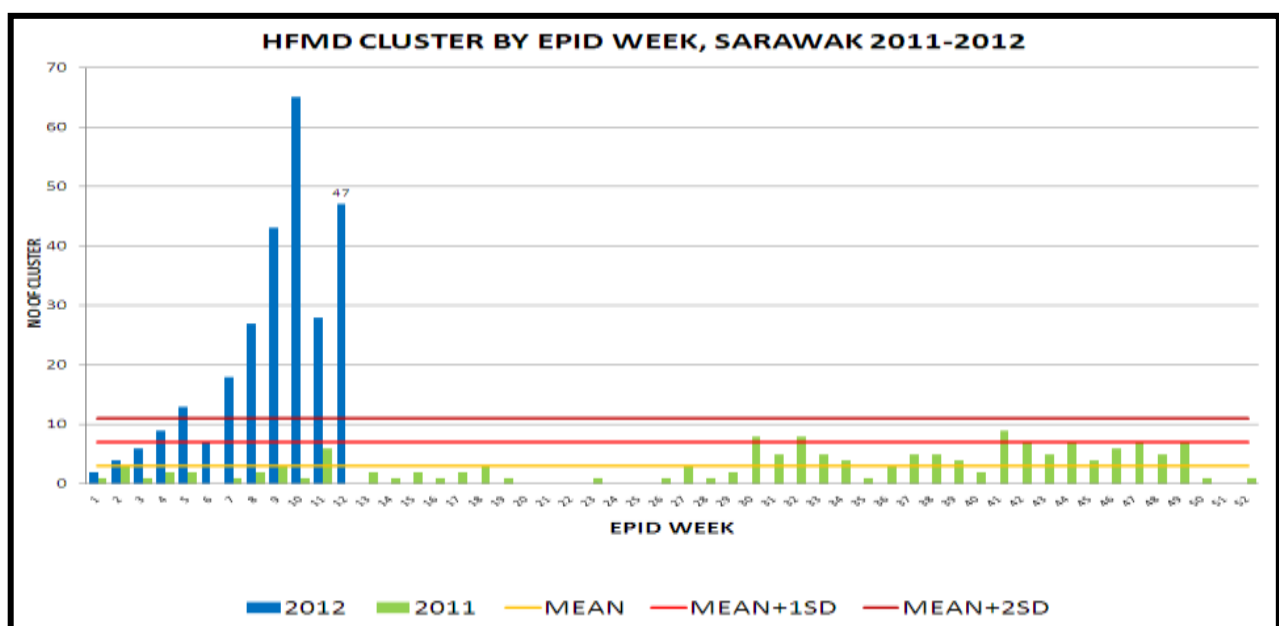
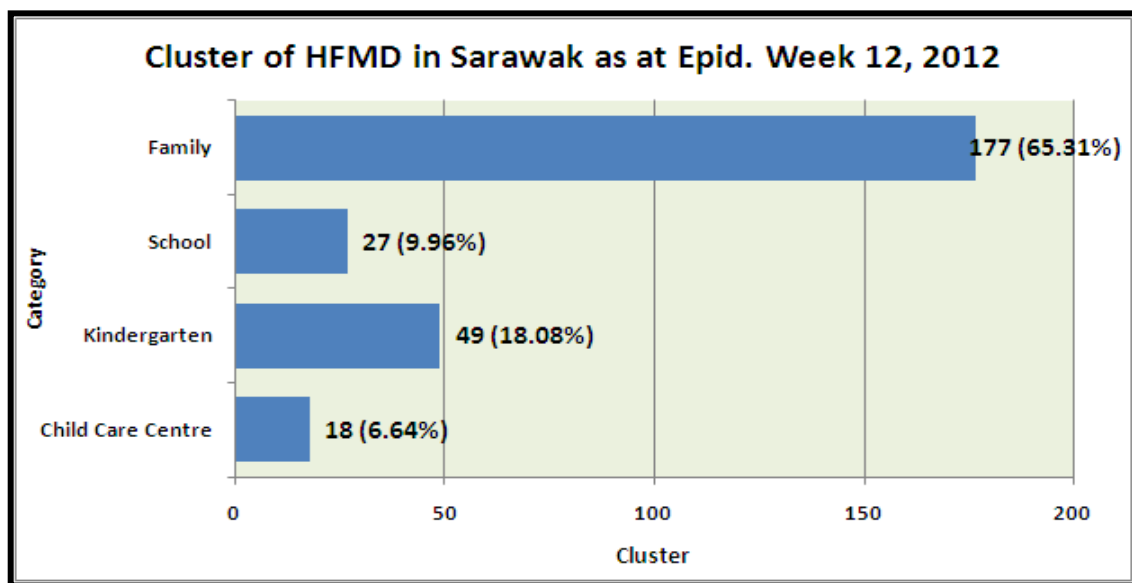
10.2.1 Comparison of total number of notified HFMD cases and registered HFMD cases in e-Notifikasi system by district as at 24th March 2012.

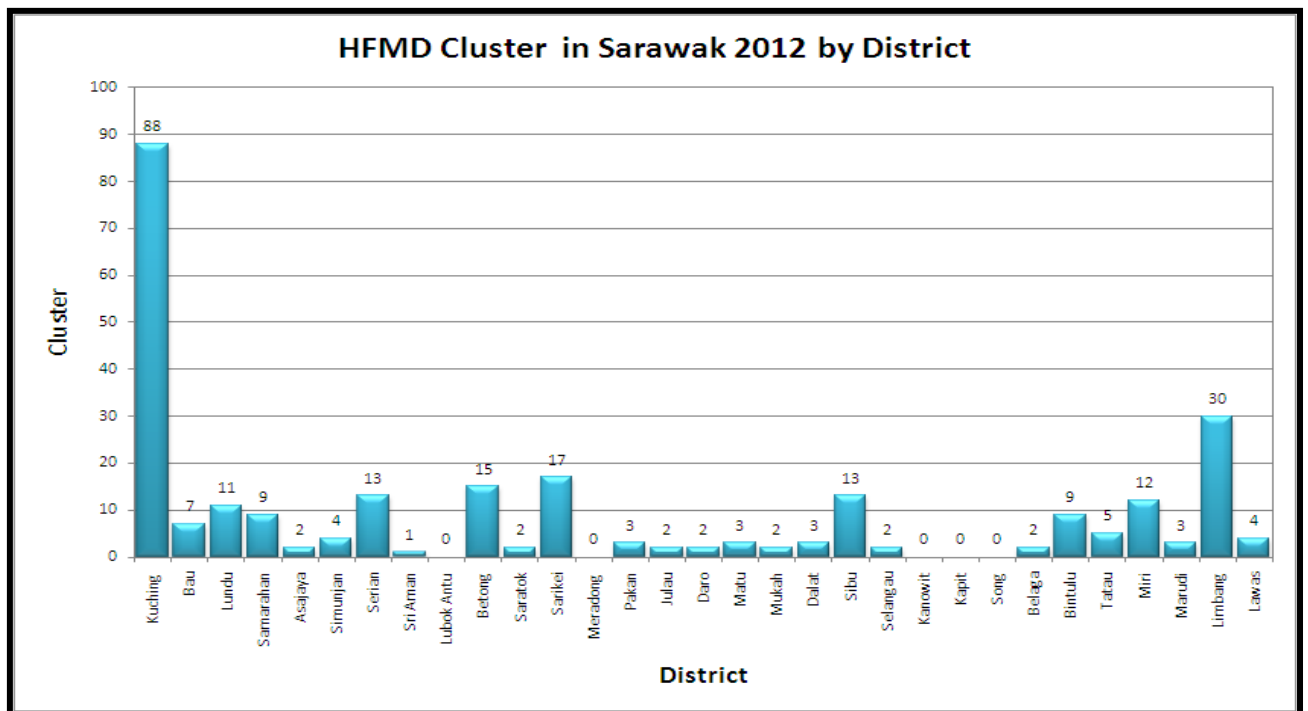
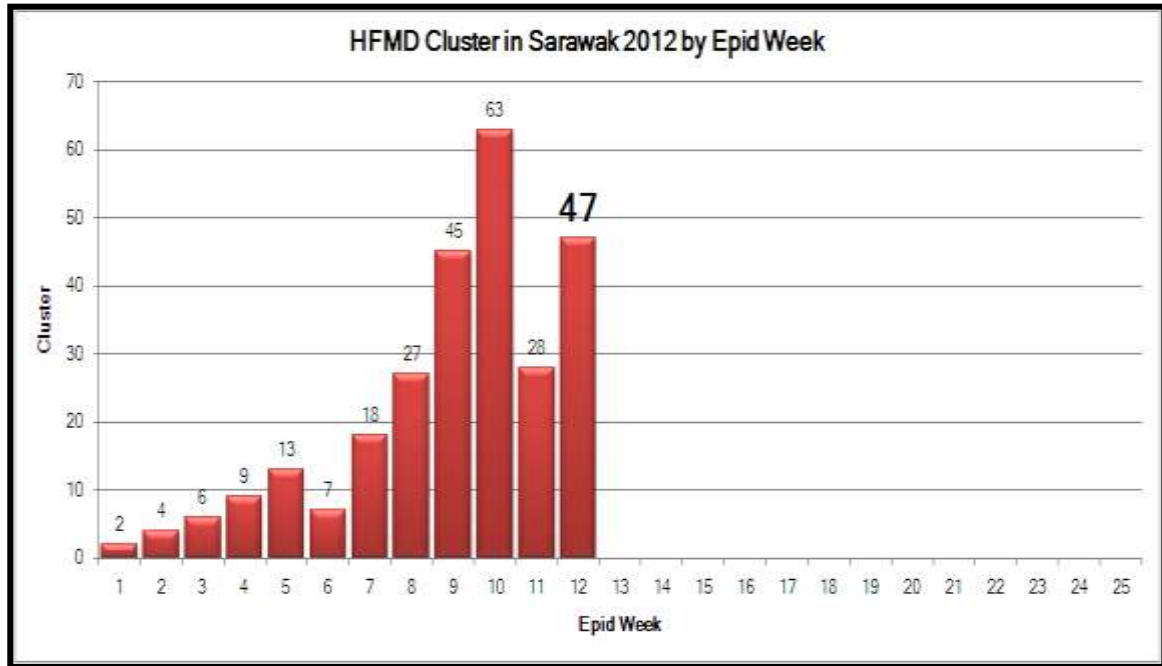
District	Masterlist		Registered Case		Back Log	
	EW 12	Total	EW 12	Total	EW 12	Total
Kuching	154	1144	100	1090	54	54
Bau	12	86	7	81	5	5
Lundu	6	59	2	55	4	4
KUCHING	172	1289	109	1226	63	63
Samarahan	30	226	19	215	11	11
Asajaya	2	34	2	34	0	0
Simunjan	4	48	0	34	4	14
Serian	13	119	10	116	3	3
SAMARAHAN	49	427	31	399	18	28
Sri Aman	7	128	5	126	18	2
Lubok Antu	4	19	4	19	2	0
SRI AMAN	11	147	9	145	20	2
Betong	17	146	0	127	17	19
Saratok	5	50	4	49	1	1
BETONG	22	196	4	176	18	20
Sarikei	16	123	0	96	16	27
Meradong	4	15	0	8	4	7
Pakan	6	34	6	34	0	0
Julau	5	23	4	22	1	1
SARIKEI	31	195	10	160	21	35
Daro	2	34	0	27	2	7
Matu	3	14	1	12	2	2
Mukah	4	41	0	37	4	4
Dalat	3	25	3	25	0	0
MUKAH	12	114	4	101	8	13
Sibu	19	135	19	135	0	0
Selangau	2	10	2	10	0	0
Kanowit	2	13	0	2	2	11
SIBU	23	158	21	147	2	11
Kapit	10	106	0	63	10	43
Song	0	7	0	7	0	0
Belaga	0	18	0	17	0	1
KAPIT	10	131	0	87	10	44
Bintulu	50	367	0	297	50	70
Tatau	6	60	0	15	6	45
BINTULU	56	427	0	312	56	115
Miri	33	245	0	203	33	42
Marudi	1	26	1	26	0	0
MIRI	34	271	1	229	33	42
Limbang	26	201	1	176	25	25
Lawas	9	43	0	29	9	14
LIMBANG	35	244	1	205	34	39
SARAWAK	455	3599	190	3187	283	412

10.2.2. Cumulative HFMD Clusters as of 24th March 2012.

A total of 47 HFMD clusters were reported in Epid. Week 12, 2012. Kuching Division reported the most clusters with 21 clusters, followed by Limbang (7), Samarahan (5), Sarikei (4), Sibü (3), Bintulu (3), Betong (2), Mukah (1) and Miri (1). These clusters involving a total of 37 families, 6 preschools, 2 primary schools and 2 day care centres.

As at 24th March 2012, a total of 267 clusters were reported. Of these, 177 (65.80%) were family clusters, 18 child care centres (6.69%), 49 kindergartens (18.21%) and 27 (10.04%) were primary schools.





10.3. Notified Leptospirosis cases for Epid. Week 12, 2012 compared to Epid. Week 12, 2011 and cumulative cases till Epid. Week 12 in 2012.

District / Division	Case classification				Total		Total
	Confirmed		Probable		2012	2011	2010
	EW (12) 2012	EW (12) 2011	EW (12) 2012	EW (12) 2011			
Lundu	0	0	0	0	0	7	0
Bau	0	0	0	0	1	4 (1)	1
Kuching	0	0	0	0	6	40 (2)	12
KUCHING	0	0	0	0	7	51 (3)	13
Samarahan	0	0	0	0	0	3	1
Asajaya	0	0	0	0	0	3	0
Simunjan	0	0	0	0	1	8 (1)	1
Serian	0	0	0	0	0	10 (2)	2
SAMARAHAN	0	0	0	0	1	24 (2)	4
Sri Aman	0	0	1	0	2	13 (2)	1
Lubok Antu	0	0	2(1)	0	5 (1)	11	3 (1)
SRI AMAN	0	0	3(1)	0	7 (1)	24 (2)	4 (1)
Betong	0	0	0	0	2	5 (1)	0
Saratok	0	0	0	0	0	5	0
BETONG	0	0	0	0	2	10 (1)	0
Sarikei	0	0	0	0	0	1	1
Meradong	0	0	0	0	0	24	1
Pakan	0	0	0	0	0	3	1
Julau	0	0	0	0	1	0	1
SARIKEI	0	0	0	0	1	28	4
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
MUKAH	0	0	0	0	0	4 (1)	2
Sibu	0	0	0	0	1	2	6
Kanowit	0	0	0	0	0	4	1
Selangau	0	0	0	0	0	3	0
SIBU	0	0	0	0	1	9	7
Song	0	0	0	0	0	1	2
Kapit	0	0	0	0	2	12	1
Belaga	0	0	0	0	0	7 (1)	0
KAPIT	0	0	0	0	2	20 (1)	3
Tatau	0	0	0	0	1	1	0
Bintulu	0	0	0	0	2	11 (3)	6
BINTULU	0	0	0	0	3	12 (3)	6
Miri	0	0	0	0	1	12	3
Marudi	0	0	0	0	0	2	2
MIRI	0	0	0	0	1	14	5
Limbang	0	0	0	0	3	2 (1)	1
Lawas	0	0	0	0	0	0	0
LIMBANG	0	0	0	0	3	2 (1)	1
SARAWAK	0	0	3(1)	0	28 (1)	198 (15)	49 (1)

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 (SuratPekelilingKetuaPengarahKesehatan Malaysia Bil. 33/2010

10.4. Notified Melioidosis cases for Epid. Week 11, 2011 compared to Epid. Week 11, 2011 and cumulative cases until Epid.Week 11, 2012.

District / Division	Case classification				Total		Total
	Confirmed		Probable		2012	2011	2010
	EW (12) 2012	EW (12) 2011	EW (12) 2012	EW (12) 2011			
Lundu	0	0	0	0	0	0	0
Bau	0	0	0	0	0	1	0
Kuching	0	0	1	0	1	4	12 (1)
KUCHING	0	0	1	0	1	5	12 (1)
Samarahan	0	0	0	0	0	0	0
Asajaya	0	0	0	0	0	0	0
Simunjan	0	0	0	0	0	0	0
Serian	0	0	0	0	0	1	1 (1)
SAMARAHAN	0	0	0	0	0	1	1 (1)
Sri Aman	0	0	0	0	0	3	0
Lubok Antu	0	0	0	0	0	1	0
SRI AMAN	0	0	0	0	0	4	0
Betong	0	0	0	0	0	0	2
Saratok	0	0	0	0	0	0	1 (1)
BETONG	0	0	0	0	0	0	3 (1)
Sarikei	0	0	0	0	0	0	2
Meradong	0	0	0	0	0	0	2
Pakan	0	0	0	0	0	0	0
Julau	0	0	0	0	0	0	2
SARIKEI	0	0	0	0	0	0	6
Daro	0	0	0	0	0	0	0
Matu	0	0	0	0	0	0	0
Dalat	0	0	0	0	0	0	1
Mukah	0	0	0	0	0	2	3 (1)
MUKAH	0	0	0	0	0	2	4 (1)
Sibu	0	0	0	0	1 (1)	1	5 (1)
Kanowit	0	0	0	0	0	1	1
Selangau	0	0	0	0	0	4	6 (2)
SIBU	0	0	0	0	1	6	12 (3)
Song	0	0	0	0	0	1	7 (2)
Kapit	0	0	0	0	2	62 (3)	162 (1)
Belaga	0	1(1)	0	0	0	21 (4)	28 (1)
KAPIT	0	1(1)	0	0	2	84 (7)	197 (4)
Tatau	0	0	0	0	0	4 (1)	14 (4)
Bintulu	0	0	0	0	0	6	49 (1)
BINTULU	0	0	0	0	0	10 (1)	63 (5)
Miri	0	0	0	0	0	6 (2)	35 (1)
Marudi	0	0	0	0	0	1	7
MIRI	0	0	0	0	0	7 (2)	42 (1)
Limbang	0	0	0	0	0	0	2
Lawas	0	0	0	0	0	0	1 (1)
LIMBANG	0	0	0	0	0	0	3 (1)
SARAWAK	0	1(1)	1	0	4 (1)	119 (10)	343 (18)

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	09/02/2012	DM, HPT & Asthma	Farmer

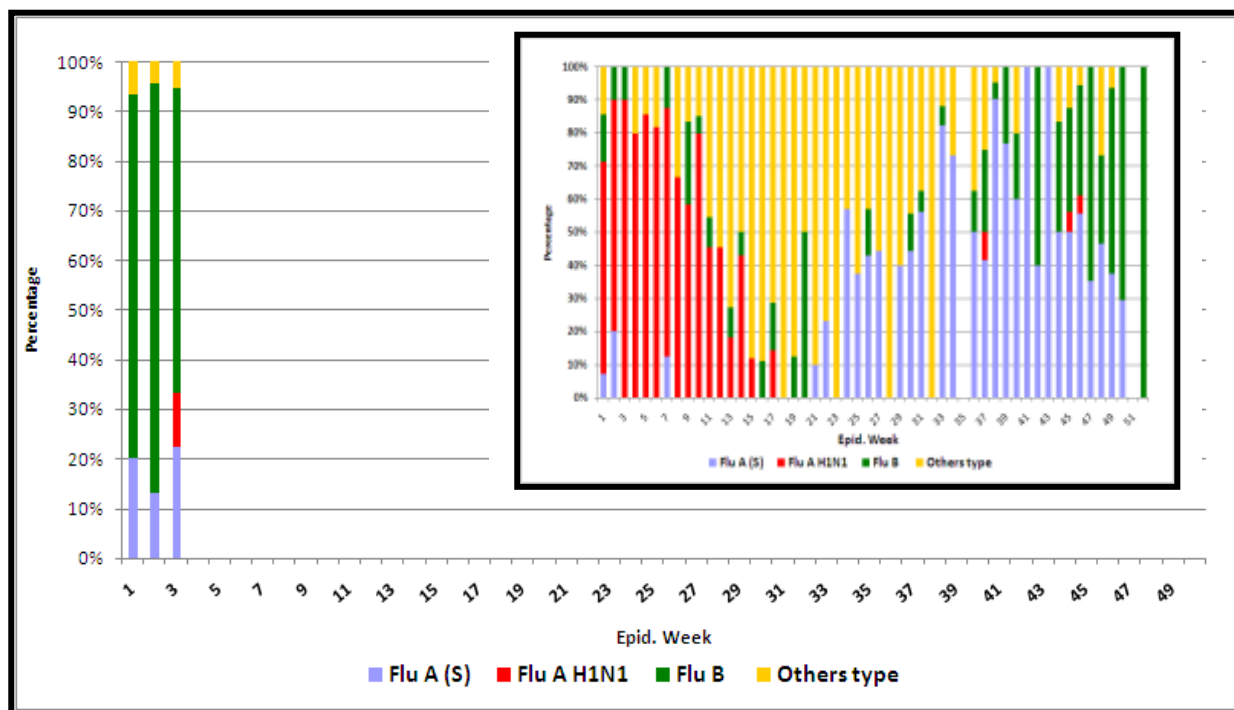
* SGH = Sarawak General Hospital

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 3, 2012 compared to 2011 (insert).



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

In Malaysia, as at Epid Week 3, 2012, a total of 287 throat swab specimens were analysed at MKAK Sg. Buloh. Of these, 56 specimens isolated various types of influenza virus i.e. virus Flu A(H1N1)_{pdm09} (2), Flu A(s) [10], Flu B (2), and other types of virus (3). Other viruses which are under category of others-type: Adenovirus (1), RSV (1) and Enterovirus (1).

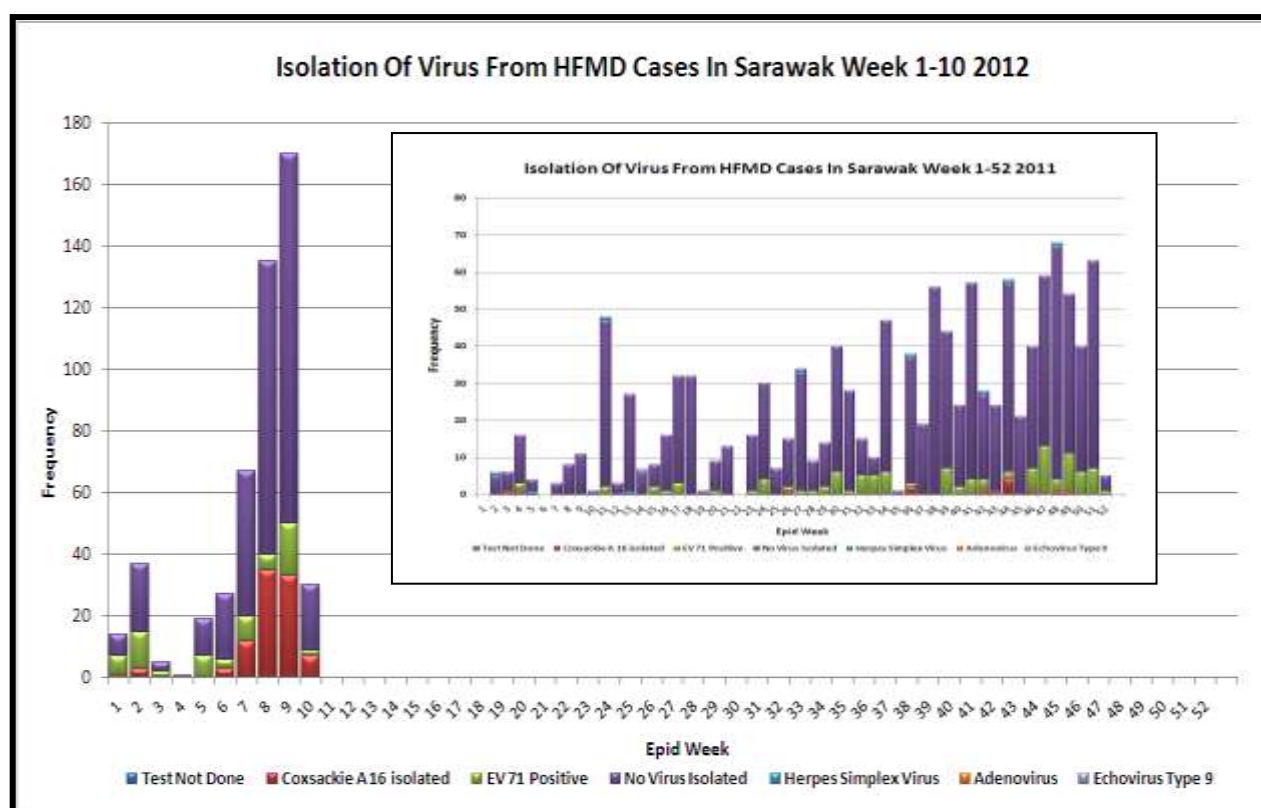
11.2. Laboratory Based Surveillance for Measles in Malaysia

In Malaysia, as at Epid. Week 3, 2012, a total of 353 serum specimens for serology test were sent to MKAK Sg. Buloh and MKAK Kota Kinabalu. Of these, 129 were positive for IgM Measles (with 5 equivocal) and 17 positive for IgM Rubella.

For Sarawak, as at Epid Week 3, 2012, a total of 63 specimens for serology test were sent to MKAK Sg. Buloh, 28 were positive for IgM Measles and 2 were positive for IgM Rubella. The positive specimens for IgM Measles were received from Miri (20), Bintulu (7) and Sibul (1) Districts.

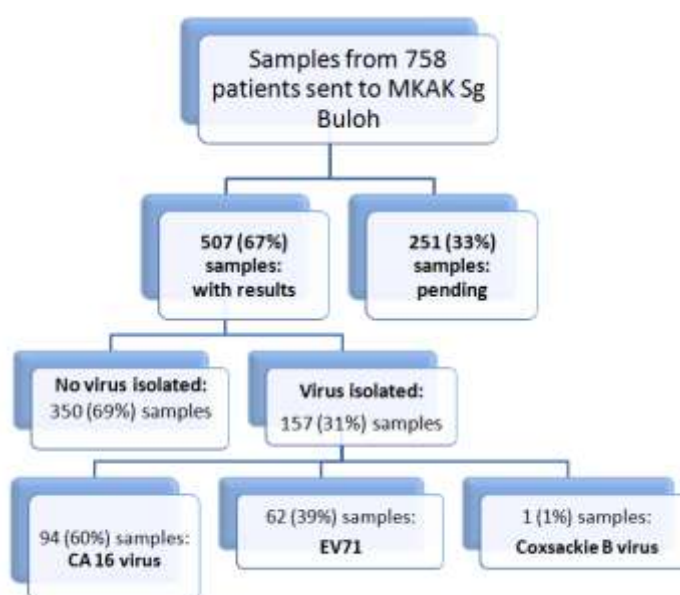
In 2011, Sarawak Health Department sent a total of 360 serum specimens for serology test to MKAK Sg. Buloh. Of these, 40 were positive for IgM Measles (with 6 equivocal) and 40 positive for Rubella (with 17 equivocal).

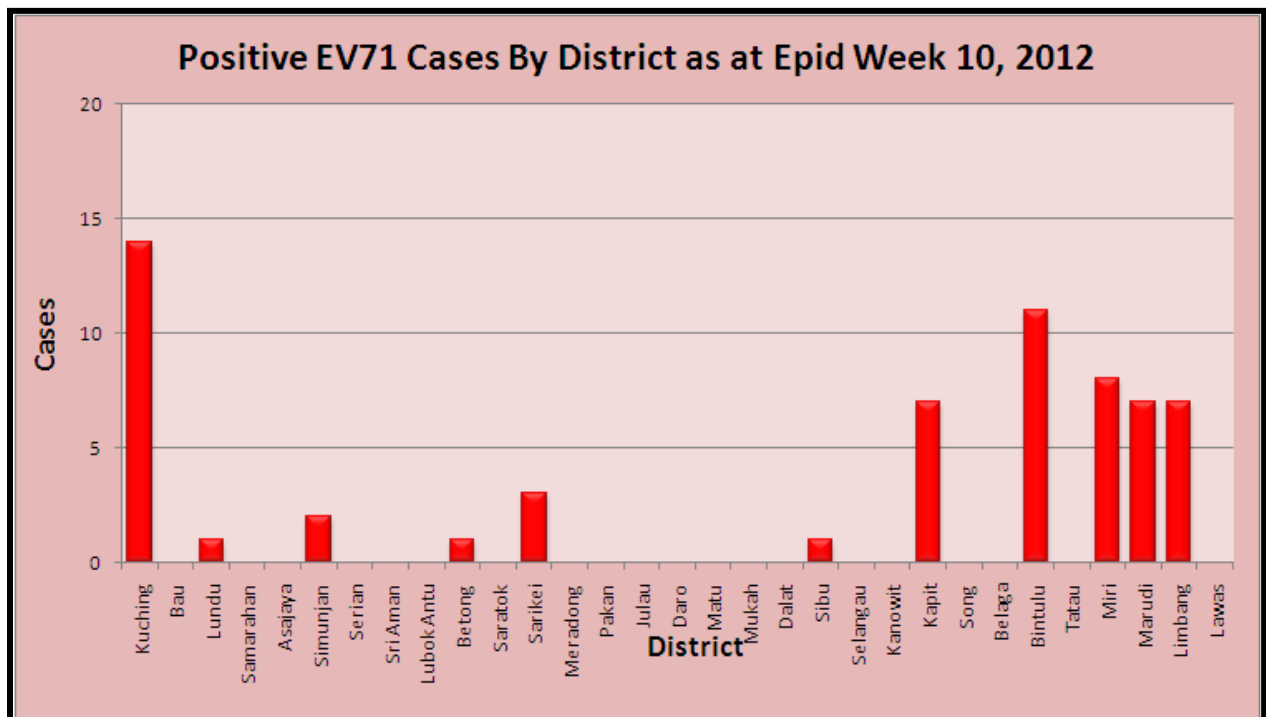
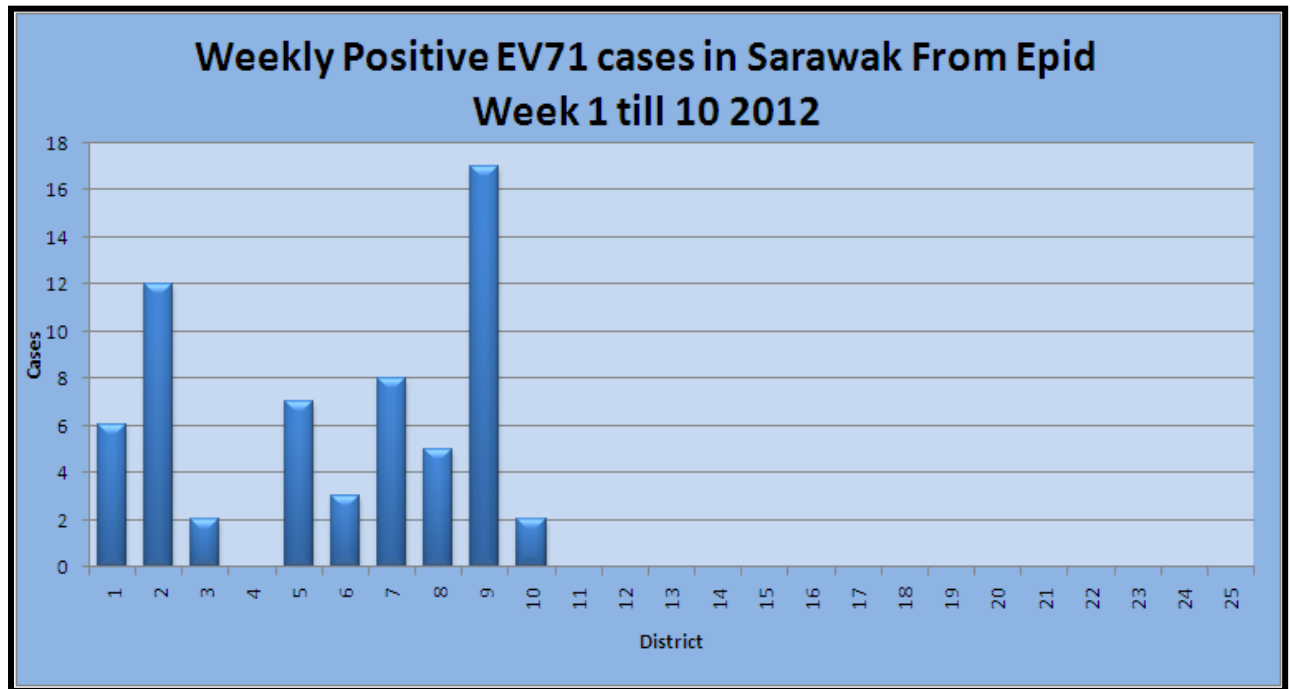
11.3. Laboratory Based Surveillance for HFMD in Sarawak from Epid Week 1 till Epid Week 10, 2012 compared to 2011 (inset).

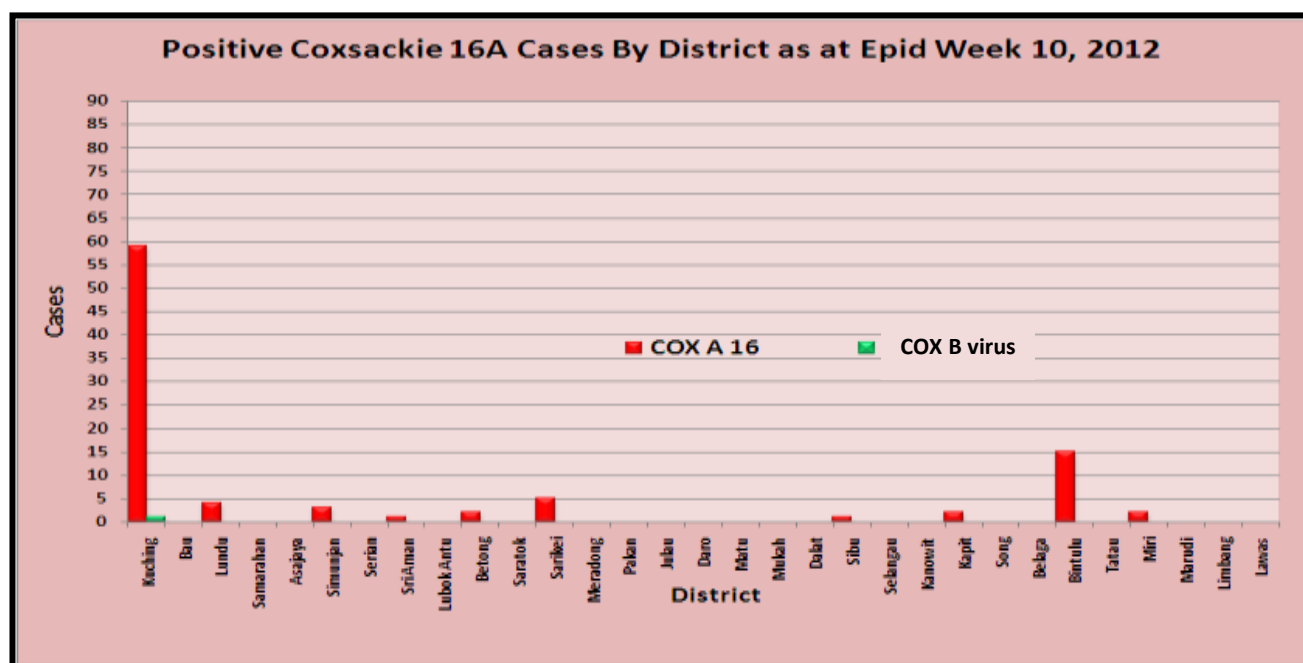
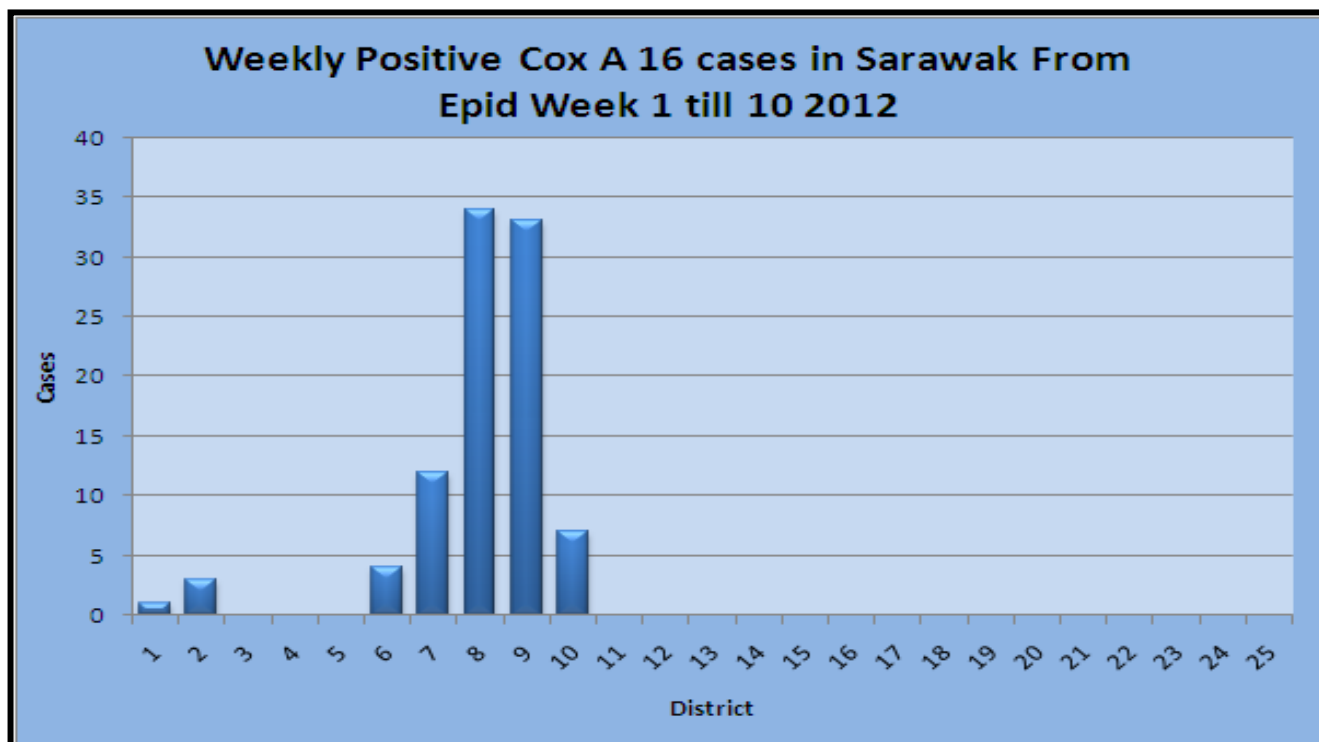


*results from EW 7, 2012 onwards are still pending

As at 18th February, 2012, specimens from 758 HFMD cases were sent to MKAK Sg. Buloh for viral isolation. Of these, 157 (31%) specimens isolated viruses: Coxsackie A16 virus (94), EV71 (62), and Coxsackie B virus (1). No viruses isolated in 350 specimens and another 251 specimens are still pending.







LIST OF NOTIFIABLE DISEASES				
First Schedule (Section 2), Prevention and Control Of Infectious Diseases Act, 1988 (Act 432)				
No.	Diseases	Notification		
		24 Hours	3 Days	1 Week
1	Chancroid			√
2	Cholera	√		
3	Dengue Fever and Dengue Haemorrhagic Fever	√		
4	Diphtheria	√		
5	Dysentery (All Types)			√
6	Ebola	√		
7	Food Poisoning	√		
8	Gonococcal Infections (All Forms)			√
9	Leprosy			√
10	Malaria		√	
11	Measles	√		
12	Hand, Foot and Mouth Disease	√		
13	Plague	√		
14	Poliomyelitis, Acute	√		
15	Rabies	√		
16	Relapsing Fever			√
17	Syphilis (All Forms)			√
18	Tetanus (All Forms)			√
19	Tuberculosis (All Forms)			√
20	Typhoid & Paratyphoid Fever			√
21	Typhus & Other Rickettsioses			√
22	Viral Encephalitis			√
23	Viral Hepatitis (All Forms)			√
24	Whooping Cough			√
25	Yellow Fever	√		
26	Any Other Life Threatening Microbial Infection			√
27	AIDS / HIV			√
28	Leptospirosis			√

Notes: 1) Leptospirosis was gazetted as a notifiable disease on 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)

The addresses and contact numbers of the Medical Officer of Health/Divisional Health Officers in Sarawak are listed below (as at 24th March 2012):

No.	Name/Designation	Office address	E-mail address	Tel. / Fax / Handphone number
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2	Ketua Penolong Pengarah 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
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4	Pegawai Epidemiologi Bahagian 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	Pegawai Kesihatan Bahagian Bahagian Samarahan Dr. Julaidah Sharip	Pejabat Kesihatan Bahagian, Bahagian Samarahan, Jalan Datuk Muhammad Musa, 94300 KOTA SAMARAHAN.	julaidah.s@srwk.moh.gov.my	Tel: 082-673626 Fax: 082-673632 Hp: 019-8270869
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7	Pegawai Kesihatan Bahagian 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	Pegawai Kesihatan Bahagian 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	Pegawai Kesihatan Bahagian 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	Pegawai Kesihatan Bahagian 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	Pegawai Kesihatan Bahagian 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	Pegawai Kesihatan Bahagian 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	Pegawai Kesihatan Bahagian 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	Pegawai Epidemiologi Bahagian 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
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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.