



SARAWAK

WEEKLY EPID NEWS

Sarawak Health Department

WEEK 14

1st – 7th APRIL 2012

INFECTIOUS DISEASE/CRISIS HIGHLIGHTS IN SARAWAK

In Epid. Week 14, 2012, Sarawak Health Department received reports of 27 HFMD clusters, three food poisoning outbreaks and one malaria outbreak.

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SARAWAK
State Health Department

CPRC (CRISIS PREPAREDNESS AND RESPONSE CENTRE)

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2. NEW OUTBREAKS/CLUSTERS

No	Disease	District	Locality	Case (No)	Outbreak declared
1	Food Poisoning	Samarahan	Kampung Serpan Ulu, Asajaya	52	2 nd April 2012
2		Serian	SK Koran	113	4 th April 2012
3		Saratok	SK Nanga Budu, Krian	12	4 th April 2012
4	Malaria	Belaga	KKB Shin Yang Menawan Wood Stamping	2	21 st March 2012

2.1 HFMD CLUSTERS SUMMARY

Division	Category of Cluster				Total
	Family	School	Kindergarten	Child Care Centre	
Kuching	11	1	2	1	15
Samarahan	1	0	0	0	1
Sri Aman	0	0	0	0	0
Betong	0	0	0	0	0
Sarikei	1	0	0	0	1
Mukah	0	1	1	0	2
Sibu	1	0	0	0	1
Kapit	0	0	0	0	0
Bintulu	1	0	2	0	3
Miri	2	0	0	0	2
Limbang	2	0	0	0	2
Total	19	2	5	1	27

3. SUMMARY OF MANDATORY NOTIFIABLE DISEASES REPORTED IN EPID. WEEK 14, 2012

District	***HIV/AIDS	Acute Poliomyelitis	Chancroid	Cholera	Diphtheria	*Dengue/DHF	Dysentery	Ebola	Food Poisoning	***Gonorrhoea	Hand, Foot & Mouth	**Leprosy	*Malaria	Whooping Cough	Measles	Plague	Rabies	Relapsing Fever	***Syphilis	Tetanus	**Tuberculosis (All forms)	Typhoid & Paratyphoid Fever	Typhus, Scrub	Viral Hepatitis	Viral Encephalitis	Yellow Fever	Leptospirosis
Lundu						1					16										1						
Bau											17										1						
Kuching						6				2	126		1		6				1		6			2			
Samarahan						1			52	1	18				1								1				
Asajaya											4																
Simunjan											3								1								
Serian									113		13		1														
Sri Aman											18										1						
L/ Antu											1																1
Betong											6																
Saratok						1	1		12		3		1														
Sarikei						1					8				1						1						
Meradong											2										1						
Pakan						1					4		3														
Julau											5		1								1						
Daro																											
Matu											2																
Dalat											3																
Mukah											7																
Sibu											6		1								10						
Kanowit											1		4														
Selangau																					1						2
Song													2														
Kapit						1					7		1														
Belaga													2														
Tatau																					1						
Bintulu						1					46				1						2						
Miri	4/0					2					26				12						4						
Marudi						1					3		1								2						
Limbang										1	17				1				1								
Lawas											1		1								2						
TOTAL (Week 14)	4/0	0	0	0	0	16	1	0	177	4	363	0	19	0	22	0	0	0	3	0	37	0	0	3	0	0	3
Total (2012)	35/15	0	0	0	0	286	2	0	515	102	4423	4	367	2	248	0	0	0	49	0	437	4	0	50	2	0	39
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 14, 2012

Division	Food poisoning outbreak	Dysentery		Typhoid & paratyphoid fever		Cholera	Hepatitis A	
		S	C	S	C		S	C
Kuching	4	5	0	13	3	0	0	1
Samarahan	5	7	0	1	0	0	0	0
Sri Aman	0	1	0	0	0	0	0	0
Betong	3	2	1	0	0	0	0	0
Sarikei	2	12	0	3	0	0	0	0
Sibu	0	2	0	1	0	0	0	0
Kapit	0	6	0	1	0	0	0	0
Mukah	2	0	0	0	1	0	0	0
Bintulu	1	9	0	0	0	0	0	0
Miri	2	1	0	0	0	0	0	0
Limbang	0	0	0	0	0	0	0	0
Sarawak	19	45	1	19	4	0	0	1

Note: S = Suspected; C = Confirmed

4.2. Food Poisoning

Three food poisoning outbreaks were reported in Epid. Week 14, 2012 from Asajaya (1), Serian (1), and Saratok (1) Districts involving 2 primary schools and a wedding ceremony.

The first food poisoning outbreak was reported on 2nd of April 2012 from Kampung Serpan Ulu, Kota Samarahan District involving 52 cases (male = 19; female = 33) after attending a wedding ceremony on 1st April 2012. The clinical presentations were abdominal pain (98%), diarrhoea (88%), vomiting (29%), nausea (25%) and headache (6%). The exposed time was 8:00 AM on 1st April 2012. The first onset was two hours later and the last onset was at 2:00 AM on 2nd April 2012. The suspected food was 'Sotong Masak Sambal' and most likely caused by *Vibrio parahaemolyticus*. The risk factor was cross contamination due to improper cooking and long holding time.

The second food poisoning outbreak was reported on 4th April 2012 involving pupils of SK Koran, Serian. The suspected food was UHT milk under the *Program Susu 1Malaysia*. A total of 113 cases (Male=46, Female=67) out of 347 pupils who are exposed were affected with symptoms of abdominal pain (98%), diarrhoea (17.7%), and vomiting (14%). The exposed time was in between 11:00 AM and 11:30 AM on 30th March 2012. The first onset was at 11:30 AM on the same day. The suspected aetiology agents were *Staphylococcus aureus* and *Bacillus cereus*. Samples were taken for pesticide and microbiological standard analysis and sent to Chemistry Department of Malaysia, Kuching Branch. The results are still pending.

The third food poisoning outbreak was reported on the 5th April 2012 at 9:00 AM from SK Nanga Budu, Krian, Saratok District. The suspected food was packed fried noodle that was bought from Restaurant Sri Dayang, Taman Muhibah, Saratok. A total of 12 person, age between 11 to 56 years old (Male=7; Female=5) having abdominal pain (100%), diarrhoea (100%), headache (100%), and vomiting (8.33%). Total person exposed was 13. The exposed time was at 10:00 AM and the first onset was at 6:00 PM on the same day. The last onset was at 6:00 AM on the next morning. The suspected aetiology agent was *Staphylococcus aureus* and *Salmonella spp.* A total of six environmental swabs, one throat swab (food handler), 2 stool samples (cases) and one sample of the fried noodle were taken. The laboratory results are still pending.

4.3. Cholera

No case was reported in Epid. Week 14, 2012.

4.4. Dysenteries (All forms)

Six suspected dysentery cases were reported in Epid. Week 14, 2012 from Sarikei (2), Kapit (2) Saratok (1), and Bintulu (1) Districts.

As at 7th April 2012, a total of 45 suspected dysenteries (all forms) cases were reported and one confirmed dysentery.

4.5. Typhoid and paratyphoid fever.

No suspected typhoid case was reported in Epid. Week 14, 2012.

4.6. Hepatitis A.

No case of Hepatitis A was reported in Epid. Week 14, 2012.

5. SURVEILLANCE REPORT ON VACCINE PREVENTABLE DISEASES

5.1. Total number of Vaccine Preventable Diseases Reported by division in Epid. Week 14, 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	6	0	0	0	0	0	0	0	0	0	1	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	1	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	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	0	0
BINTULU	0	0	1	0	0	0	0	0	0	0	0	0	0	0
MIRI	0	0	12	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	22	1	0	0	0	0	0	0	0	0	1	0

Note: S = suspected; C = confirmed

5.2. Measles(data derived from SM2)

A total of 22 suspected sporadic measles cases were reported in Epid. Week 14, 2012 from Miri (12), Kuching (6), Samarahan (1), Bintulu (2), Limbang (1), and Sarikei (1) Districts. No suspected measles cluster was reported in Epid. Week 14, 2012.

Case Definition:

Any person with

Fever and maculopapular rash and; conjunctivitis or cough or coryza

Or

Any person in whom a clinician suspects measles infection.

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

5.2.1. Measles Elimination Programme (MEP) Achievement by Division in Epid. Week 14, 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	6	6(100%)	6(100%)	6(100%)
Samarahan	1	1(100%)	1(100%)	1(100%)
Sri Aman	0	-	-	-
Betong	0	-	-	-
Sarikei	1	1(100%)	1(100%)	1(100%)
Sibu	0	-	-	-
Kapit	0	-	-	-
Mukah	0	-	-	-
Bintulu	1	1(100%)	1(100%)	1(100%)
Miri	12	12(100%)	12(100%)	12(100%)
Limbang	1	1(100%)	1(100%)	1(100%)
Sarawak	22	22(100%)	22(100%)	22(100%)

Measles Elimination Programme Strategies:

- 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 14, 2012. The lab. result is still pending.

5.4. Polio

No suspected case was reported in Epid. Week 14 2012.

5.5. Rubella

No Rubella case was reported in Epid. Week 14, 2012. The cumulative confirmed case reported in 2012 remains as one.

5.6. Tetanus (All forms)

No suspected case was reported in Epid. Week 14, 2012.

6. SURVEILLANCE REPORT ON HIV/AIDS AND STI

6.1 Notified HIV/AIDS cases for Epid. Week 14, 2012 and cumulative cases from Epid. Week 1 until Epid. Week 14, 2012.

District / Division	2012			
	EW 14		Cumulative	
	HIV	AIDS	HIV	AIDS
Lundu	0	0	0	0
Bau	0	0	0	0
Kuching	0	0	3	1
KUCHING	0	0	3	1
Samarahan	0	0	1	0
Asajaya	0	0	2	1
Simunjan	0	0	3	1
Serian	0	0	0	1
SAMARAHAN	0	0	6	3
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	4	0	6	0
Marudi	0	0	0	0
MIRI	0	0	2	0
Limbang	0	0	1	1
Lawas	0	0	0	1
LIMBANG	0	0	1	2
Sarawak	4	0	18	6

EW = Epid. Week; Cum. = Cumulative figure

6.2 HIV/AIDS Patient Classification Notified in Epid. Week 14 and Cumulative from Epid. Week 1 until Epid. Week 14, 2012

District / Division	2012					
	Children		Women		Foreigner	
	EW 14	Cum.	EW 14	Cum.	EW 15	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

Four HIV cases was reported in Epid. Week 14, 2012 from Miri District.

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.Week14, 2012.

District / Division	Gonorrhoea		Syphilis (all forms)	
	EW 12	Cum.	EW 12	Cum.
Lundu	0	2	0	1
Bau	0	0	0	1
Kuching	2	40	1	17
KUCHING	2	42	1	19
Samarahan	1	10	0	5
Asajaya	0	4	0	2
Simunjan	0	2	1	1
Serian	0	3	0	0
SAMARAHAN	1	19	1	8
Sri Aman	0	1	0	1
LubokAntu	0	1	0	1
SRI AMAN	0	2	0	2
Betong	0	0	0	0
Saratok	0	0	0	0
BETONG	0	0	0	0
Sarikei	0	0	0	1
Meradong	0	0	0	1
Pakan	0	0	0	0
Julau	0	0	0	1
SARIKEI	0	0	0	3
Daro	0	2	0	0
Matu	0	4	0	0
Dalat	0	0	0	0
Mukah	0	3	0	0
MUKAH	0	9	0	0
Sibu	0	10	0	11
Kanowit	0	0	0	0
Selangau	0	1	0	0
SIBU	0	11	0	11
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	3	0	3
BINTULU	0	3	0	3
Miri	0	11	0	1
Marudi	0	1	0	0
MIRI	0	12	0	1
Limbang	1	2	0	1
Lawas	0	2	0	0
LIMBANG	1	4	0	1
Sarawak	4	102	2	49

EW = Epid. Week; Cum. = Cumulative figure

Gonorrhoea

Four cases were reported in Epid. Week 14, 2012 from Kuching(2), Samarahn(1) and Limbang(1) district. As at Epid. Week 14, 2012, the cumulative cases reported are 102.

Syphilis (All forms)

Two case was reported in Epid. Week 14, 2012 from Kuching(1) and Simunjan(1) district. The cumulative cases reported in 2012 are 49

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

7.1 Notified Tuberculosis cases for Epid. Week 14, 2012 compared to Epid. Week 14, 2011 and cumulative cases until Epid.Week14, 2012.

District / Division	2012		2011		
	EW 14	Cum.	EW 14	Cum.	Total
Lundu	1	6	0	6	22
Bau	1	13	3	13	42
Kuching	6	108	2	85	365
KUCHING	8	127	5	104	429
Samarahan	0	4	3	12	46
Asajaya	0	3	2	4	29
Simunjan	0	8	0	7	37
Serian	0	12	3	19	61
SAMARAHAN	0	27	8	42	173
Sri Aman	4	13	2	14	58
LubokAntu	0	7	3	16	49
SRI AMAN	4	20	5	30	107
Betong	0	7	0	10	43
Saratok	0	8	3	14	55
BETONG	0	15	3	24	98
Sarikei	1	4	0	14	51
Meradong	1	11	2	9	29
Pakan	0	3	0	7	22
Julau	1	4	0	5	22
SARIKEI	3	22	2	35	124
Daro	0	2	0	8	27
Matu	0	1	0	1	4
Dalat	0	0	1	4	14
Mukah	0	5	1	7	44
MUKAH	0	8	2	20	89
Sibu	10	38	3	48	175
Kanowit	0	5	0	8	42
Selangau	1	4	1	8	32
SIBU	11	47	4	64	249
Song	0	4	0	7	23
Kapit	0	10	3	18	60
Belaga	0	3	1	10	40
KAPIT	0	17	4	35	123
Tatau	1	7	0	11	43
Bintulu	2	28	6	47	187
BINTULU	3	35	6	58	230
Miri	4	75	9	85	306
Marudi	2	20	1	15	61
MIRI	6	95	10	100	367
Limbang	0	16	0	11	42
Lawas	2	7	1	10	24
LIMBANG	2	23	1	21	66
Sarawak	37	436	50	533	2055

EW = Epid. Week; Cum. = Cumulative figure

7.2 Notified Leprosy cases for Epid. Week 14, 2012 compared to Epid. Week 14, 2011 and cumulative cases until Epid.Week14, 2012.

District / Division	2012		2011		
	EW 14	Cum.	EW 14	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	1	0	0	0
Meradong	0	0	0	0	0
Pakan	0	0	0	0	0
Julau	0	0	0	0	0
SARIKEI	0	1	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	1	0	1	1
Kanowit	0	0	0	0	0
Selangau	0	0	0	0	0
SIBU	0	1	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	2	0	0	1
BINTULU	0	2	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	4	0	2	25

7.3 Notified Tuberculosis (all forms) Case

Classification as on 7th April 2012

District / Division	Case classification					
	Positive smear		Negative smear		Extra PTB	
	EW 12	Cum.	EW 11	Cum.	EW 11	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 37 cases of tuberculosis (all forms) were reported in Epid. Week 14 2012. As at 7th April 2012, the cumulative total of reported cases is 436.

Leprosy

No case of leprosy reported in Epid. Week 14, 2012. It is remain four cases reported in 2012 compare to 2 cases reported in 2011 for the same period.

7.4 Notified Tuberculosis (all forms) Patient Classification as on 7th April 2012.

District / Division	Patient Classification											
	Children		Health care worker				PUSPEN/Prison		Foreigner		Care Centre	
	EW 14	Cum.	*Exposed		*Not exposed		EW 14	Cum.	EW 14	Cum.	EW 14	Cum.
			EW 14	Cum.	EW 14	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	0	0	2	0	1	0	0
KUCHING	0	0	0	1	0	0	0	2	0	1	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	3	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	4	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	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	1	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	1	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	1	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	2	0	0
Sibu	0	1	0	0	0	0	0	0	0	1	0	0
Kanowit	0	0	0	0	0	0	0	0	0	1	0	0
Selangau	0	0	0	0	0	0	0	0	0	1	0	0
SIBU	0	1	0	0	0	0	0	0	0	3	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	1	0	0	0	0	0	0	0	0
KAPIT	0	1	0	1	0	0	0	0	0	0	0	0
Tatau	0	0	0	0	0	0	0	0	0	5	0	0
Bintulu	0	4	0	0	0	0	0	0	0	4	0	0
BINTULU	0	4	0	0	0	0	0	0	0	9	0	0
Miri	0	0	0	1	0	0	0	1	0	7	0	0
Marudi	0	0	0	0	0	0	0	0	0	0	0	0
MIRI	0	0	0	1	0	0	0	1	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	9	0	3	0	0	0	3	0	28	0	0

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

* Possibility of exposed or not exposed to TB patient

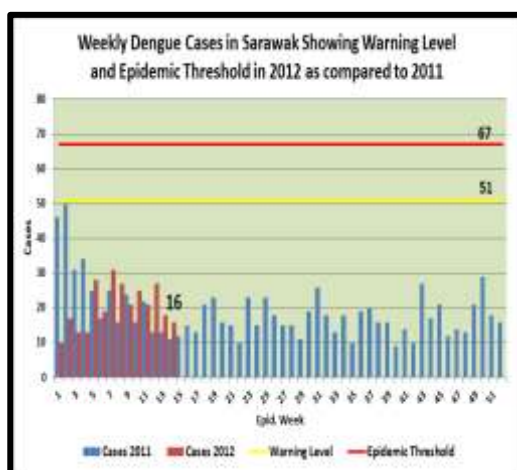
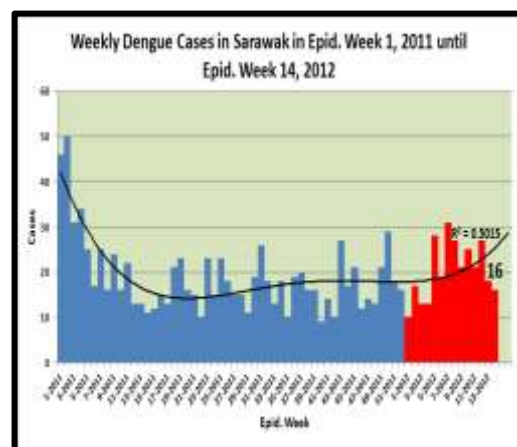
Figure for TB notified cases are based on registered TB cases in e-Notifikasi system.

8. SURVEILLANCE REPORT ON VECTOR BORNE DISEASES

8.1. Notified Dengue cases for Epid. Week 14, 2012 compared to Epid. Week 14, 2011 and cumulative cases until Epid. Week 14, 2012.

District	2012		2011		Total
	EW 14	Cum.	EW 14	Cum.	
Lundu	1	3	0	2	10
Bau	0	9	0	12	36
Kuching	6	43	1	34	106
Samarahan	1	12	0	5	21
Asajaya	0	2	0	1	4
Serian	0	4	0	4	18
Simunjan	0	7	0	7	19
Sri Aman	0	15	0	21	56
Lubok Antu	0	8	0	9	23
Betong	0	10	0	5	13
Saratok	1	5	0	1	11
Sarikei	1	10	0	7	28
Meradong	0	4	1	7	14
Pakan	1	9	0	6	23
Julau	0	1	1	3	17
Daro	0	1	0	5	6
Matu	0	0	0	1	1
Dalat	0	6	0	1	3
Mukah	0	3	0	3	5
Sibu	0	12	0	42	75
Kanowit	0	3	0	10	31
Selangau	0	2	0	5	10
Song	0	6	0	6	10
Kapit	1	16	1	16	32
Belaga	0	4	3	8	27
Tatau	0	8	0	12	47
Bintulu	1	17	3	37	100
Miri	2	48	1	37	134
Marudi	1	11	0	18	59
Limbang	0	6	0	6	20
Lawas	0	1	0	2	15
Sarawak	16	286	11	333	974

EW = Epid. Week; Cum. = Cumulative figure



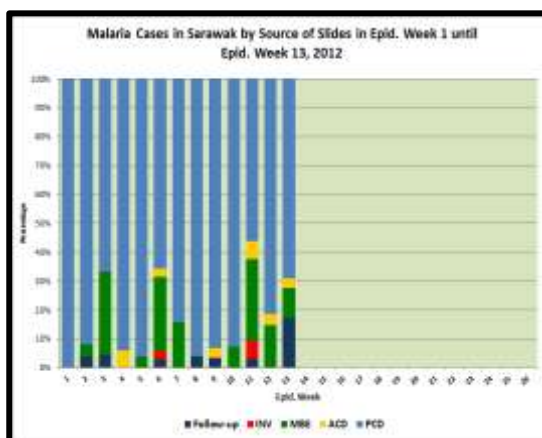
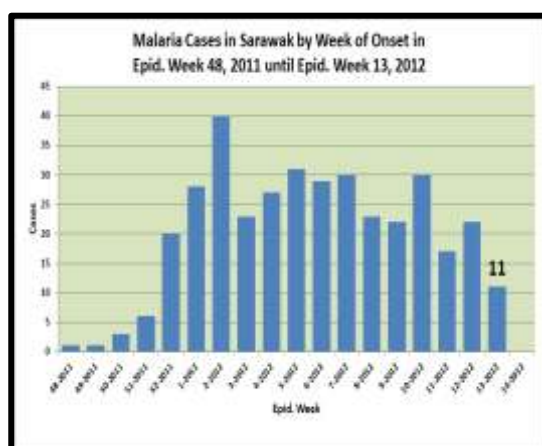
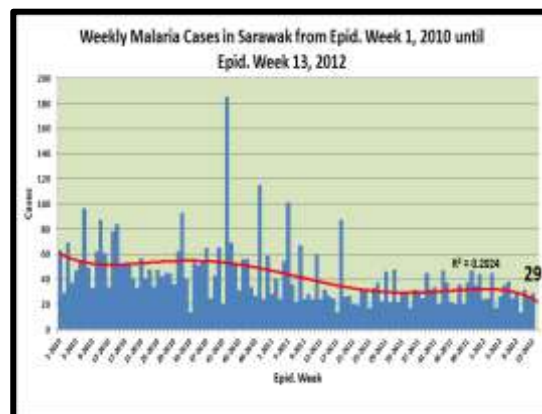
A total of 16 dengue cases were reported in Epid. Week 14, 2012 compared to 11 cases during the same period in 2011.

There was a decrease of two cases from the previous week.

No new outbreak was reported.

8.2. Notified Malaria cases for Epid. Week 13, 2012 compared to Epid.Week13, 2011 and cumulative cases until Epid. Week 13 in 2012.

District	2012		2011		Total
	EW 13	Cum.	EW 13	Cum.	
Lundu	0	5	1	17	33
Bau	0	0	0	0	5
Kuching	1	8	1	5	23
Samarahan	0	2	0	2	3
Asajaya	0	0	0	0	1
Serian	1	3	0	5	21
Simunjan	0	2	0	0	2
Sri Aman	0	4	0	4	17
Lubok Antu	0	8	0	5	25
Betong	0	9	0	10	47
Saratok	1	6	0	0	3
Sarikei	0	4	0	5	16
Meradong	0	1	0	2	9
Pakan	3	17	0	5	29
Julau	1	21	1	15	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	1	22	0	10	52
Kanowit	4	21	0	20	89
Selangau	0	7	0	2	16
Song	2	16	0	16	78
Kapit	1	47	11	51	230
Belaga	2	18	3	32	139
Tatau	0	7	0	3	34
Bintulu	0	6	0	10	39
Miri	0	12	1	15	40
Marudi	11	92	6	283	670
Limbang	0	8	0	4	21
Lawas	1	16	0	11	34
Sarawak	29	367	24	534	1761



A total of 29 cases were reported on week 13, 2012. The cumulative cases till week 13 were 367 cases. Of the 367 cases, 92 cases (25%) from Marudi District, 47 cases (13%) from Kapit District and 22 cases (6%) Sibu 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 13	Cum.
Passive Case Detection (PCD)	20	298
Active Case Detection (ACD)	1	7
Investigation slides (INV)	0	3
Mass Blood Survey (MBS)	3	47
Follow-up	5	12
Total	29	367

8.2.2. Malaria cases by species

Species	2012	
	EW 13	Cum.
<i>P. vivax</i>	11	144
<i>P. falciparum</i>	1	25
<i>P. malariae</i>	0	2
<i>P. knowlesi</i>	17	194
<i>P. ovale</i>	0	2
Mixed	0	0
Total	29	367

8.2.3. Malaria cases by case classification

Classification	2012	
	EW 13	Cum.
Indigenous	28	315
*Imported A	1	51
Relapsed	0	1
Congenital	0	0
Total	29	367

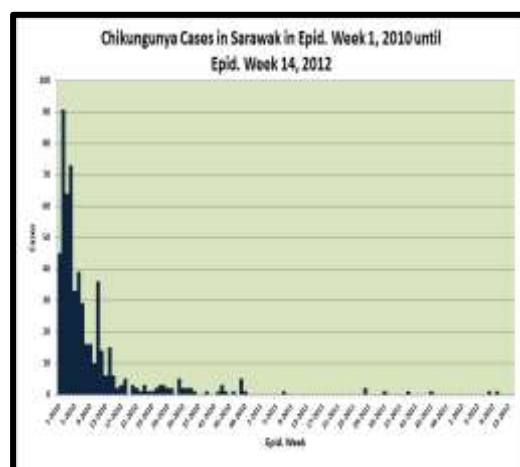
8.2.4. The summary of the *Imported A cases

No.	District reported	Source of infection	Nationality	Age	Gender	Address in Sarawak	Species
1	Sibu	KKB Asia, Congo, Africa	Malaysian	38	Male	No. 3E, Lorong 10C, Sibujaya, Durin, Sibu	<i>P. falciparum</i>

KKB = Kem Kayu Balak (Logging Camp)

8.3. Notified Chikungunya cases for Epid. Week 14, 2012 compared to Epid. Week 14, 2011 and cumulative cases until Epid.Week 14 in 2012.

District	2012		2011		Total
	EW 14	Cum.	EW 14	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 14, 2012.

The cumulative cases of Chikungunya for 2012 remain as two.

EW = Epid. Week; Cum. = Cumulative figure

8.4. Filariasis

One case of Filariasis was reported in Epid Week 14, 2012. The cumulative case of Filariasis in 2012 is 8.

8.5 Japanese Encephalitis (JE)

No case of Japanese Encephalitis (JE) was reported in Epid. Week 14, 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 14, 2012. As at 7th April 2012, the cumulative case of Viral Encephalitis reported is remains as one.

9.2. Viral Hepatitis (all form)

One acute Hepatitis B and two chronic Hepatitis C cases were reported in Epid. Week 14, 2012. The two chronic Hepatitis C cases were reported from Kuching and Samarahan Districts. The acute Hepatitis B case was reported from Kuching District.

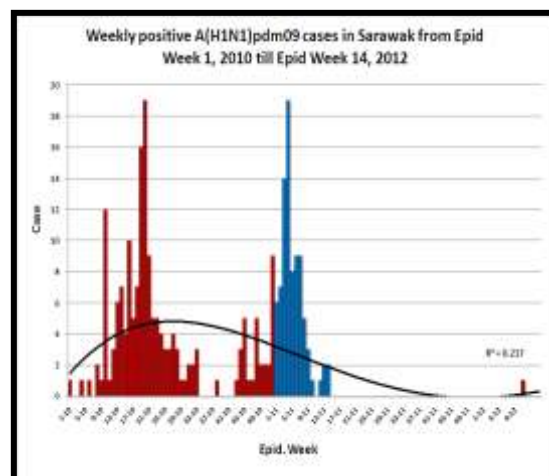
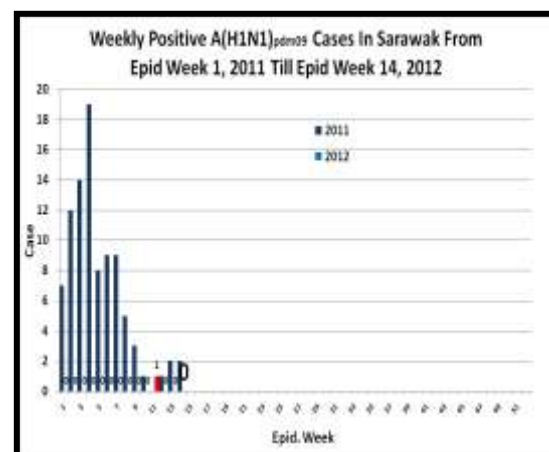
As at 7th April 2012, the total cases reported was 42 cases with two cases of Hepatitis A, seven cases of acute Hepatitis B, 24 chronic Hepatitis B, five acute Hepatitis C cases and fourteen chronic Hepatitis C cases.

10. EMERGING/RE-EMERGING INFECTIOUS AND ZOOONOTIC DISEASES

10.1.A/H1N1_{pdm09}

10.1.1 Positive Pandemic Influenza A/H1N1_{pdm09} cases for Epid. Week 14, 2012 compared to Epid. Week 14, 2011 and cumulative cases until Epid. Week 14 in 2012.

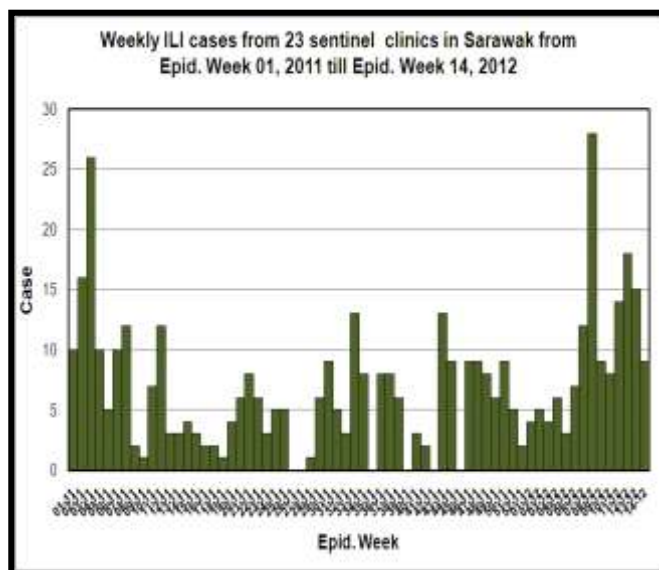
District	2012		2011		Total
	EW 14	Cum.	EW 14	Cum.	
Lundu	0	0	0	2	2
Bau	0	0	0	0	0
Kuching	0	0	2	51	51
Samarahan	0	0	0	0	0
Simunjan	0	0	0	0	0
Serian	0	0	0	0	0
Sri Aman	0	0	0	0	0
Lubok Antu	0	0	0	0	0
Betong	0	0	0	1	1
Saratok	0	0	0	0	0
Sarikei	0	0	0	0	0
Meradong	0	0	0	0	0
Julau	0	0	0	0	0
Daro	0	0	0	0	0
Dalat	0	0	0	0	0
Mukah	0	0	0	0	0
Sibu	0	0	0	1	1
Kanowit	0	0	0	0	0
Song	0	0	0	0	0
Kapit	0	0	0	0	0
Belaga	0	0	0	2	2
Tatau	0	0	0	0	0
Bintulu	0	1	0	26	26
Miri	0	0	0	6	6
Marudi	0	0	0	0	0
Limbang	0	0	0	2	2
Lawas	0	0	0	1	1
SARAWAK	0	1	1	92	92



No A/H1N1_{pdm09} positive case was reported in Epid. Week 14, 2012 compared to one case reported for the same Epid. Week 2011.

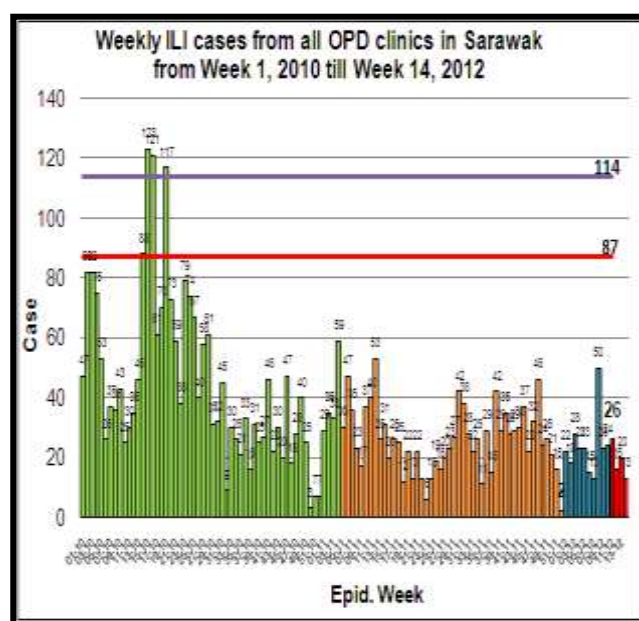
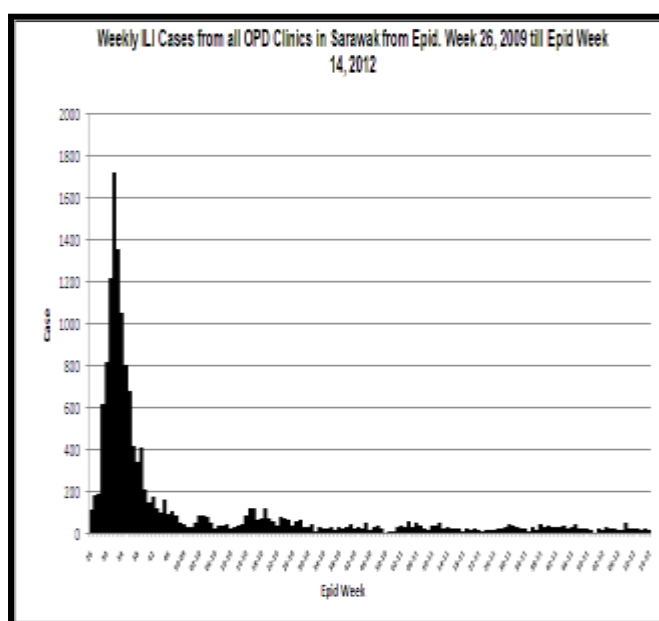
EW = Epid. Week; Cum. = cumulative figure

10.1.2 Outpatient Influenza-Like Illness (ILI) Surveillance from Epid.Week1 in 2010 till Epid.Week14in 2012.



In Epid. Week 14, 2012, 9 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).

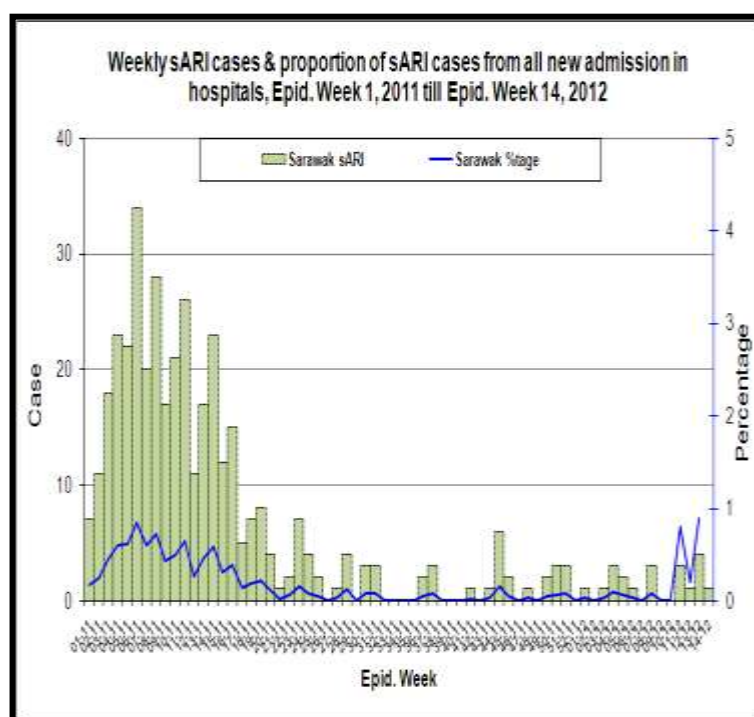


Referring to a letter dated 25 January 2011 from Office of the Deputy Director-General of Health (Public Health), Department of Public Health, Ministry of Health Malaysia about **PEMANTAUAN AKTIVITI A/H1N1pdm09 SECARA BERTERUSAN**, all PKB/PKD must send their daily H1N1 report as well as ILI and sARI 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 7th April 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 7th April 2012.

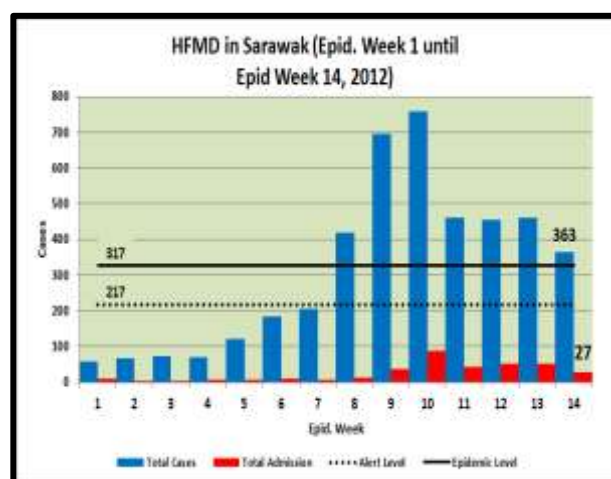
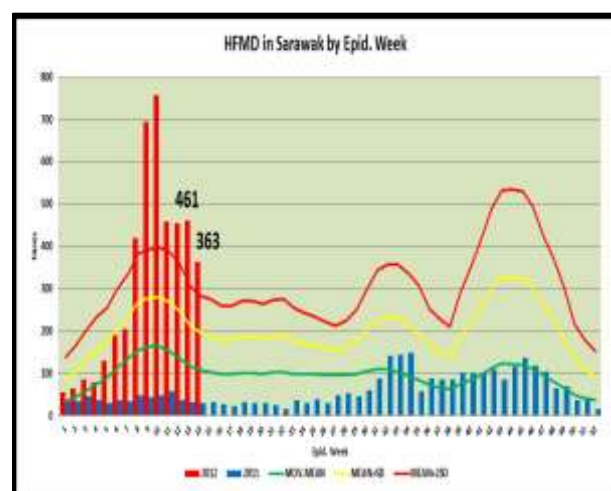
Division	Hospital	New EW 14	Cumulative 2012	No. of Inpatient			No. of Patient on Ventilator	Throat swabs		
				ICU	ISO	Other wards		Positive	Pending	Negative
Kuching	SGH Kuching	2	21	2	0	1	0	0	0	2
	Bau	0	1	0	0	0	0	0	0	0
	Lundu	0	0	0	0	0	0	0	0	0
	RCBM	0	0	0	0	0	0	0	0	0
	Sentosa	0	0	0	0	0	0	0	0	0
Samarahan	Serian	0	0	0	0	0	0	0	0	0
	Simunjan	0	0	0	0	0	0	0	0	0
Sri Aman	Sri Aman	0	0	0	0	0	0	0	0	0
Betong	Betong	0	0	0	0	0	0	0	0	0
	Saratok	0	0	0	0	0	0	0	0	0
Sarikei	Sarikei	0	0	0	0	0	0	0	0	0
Sibu	Sibu	0	1	0	0	0	0	0	0	0
	Kanowit	0	0	0	0	0	0	0	0	0
Mukah	Mukah	0	0	0	0	0	0	0	0	0
	Dalat	0	0	0	0	0	0	0	0	0
	Daro	0	0	0	0	0	0	0	0	0
Kapit	Kapit	0	0	0	0	0	0	0	0	0
Bintulu	Bintulu	0	10	0	0	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		2	33	2	0	0	0	0	0	2

EW = Epid. Week; Cum. = Cumulative figure

Two sARI cases were reported in Epid. Week 14, 2012 from SGH Kuching and both cases were negative for A/H1N1pdm09.

10.2. Notified HFMD (masterlist) cases for Epid. Week 14, 2012 compared to Epid. Week 14, 2011 and cumulative cases in Epid. Week 14, 2011.

District / Division	2012		2011		Total
	EW (14)	Cum.	EW (14)	Cum.	
Lundu	16	88	7	74	31
Bau	17	122	1	10	149
Kuching	126	1424	0	2	602
KUCHING	159	1634	8	86	782
Samarahan	18	258	0	6	127
Asajaya	4	41	0	0	35
Simunjan	3	53	0	0	19
Serian	13	142	1	1	39
SAMARAHAN	38	494	1	7	220
Sri Aman	18	163	0	11	97
Lubok Antu	1	21	1	2	18
SRI AMAN	19	184	1	13	115
Betong	6	168	0	13	57
Saratok	3	59	1	17	37
BETONG	9	227	1	30	94
Sarikei	8	147	1	54	188
Meradong	2	20	0	6	73
Pakan	4	44	0	2	7
Julau	5	45	0	1	32
SARIKEI	19	256	1	63	300
Daro	0	42	0	0	7
Matu	2	17	0	0	4
Dalat	3	31	0	22	84
Mukah	7	52	0	12	42
MUKAH	12	142	0	34	137
Sibu	6	152	3	34	149
Kanowit	1	16	0	0	6
Selangau	0	11	1	3	22
SIBU	7	179	4	37	177
Song	0	9	7	39	12
Kapit	7	121	0	0	64
Belaga	0	18	0	4	55
KAPIT	7	148	7	43	131
Tatau	0	61	2	102	25
Bintulu	46	461	0	8	25
BINTULU	46	522	2	110	772
Miri	26	299	1	56	324
Marudi	3	36	1	34	49
MIRI	29	335	2	90	373
Limbang	17	251	1	8	65
Lawas	1	51	0	0	4
LIMBANG	18	302	1	8	69
SARAWAK	363	4423	28	521	3170



A total of 363 HFMD cases reported in Epid. Week 14, 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

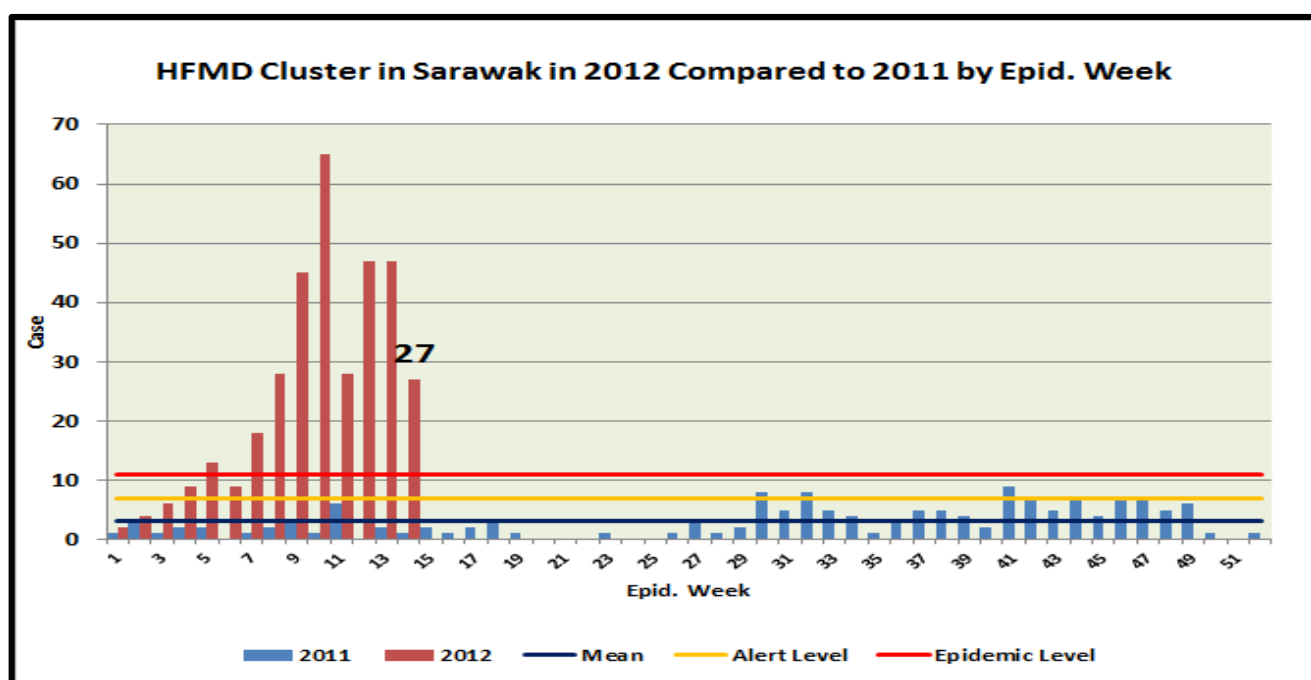
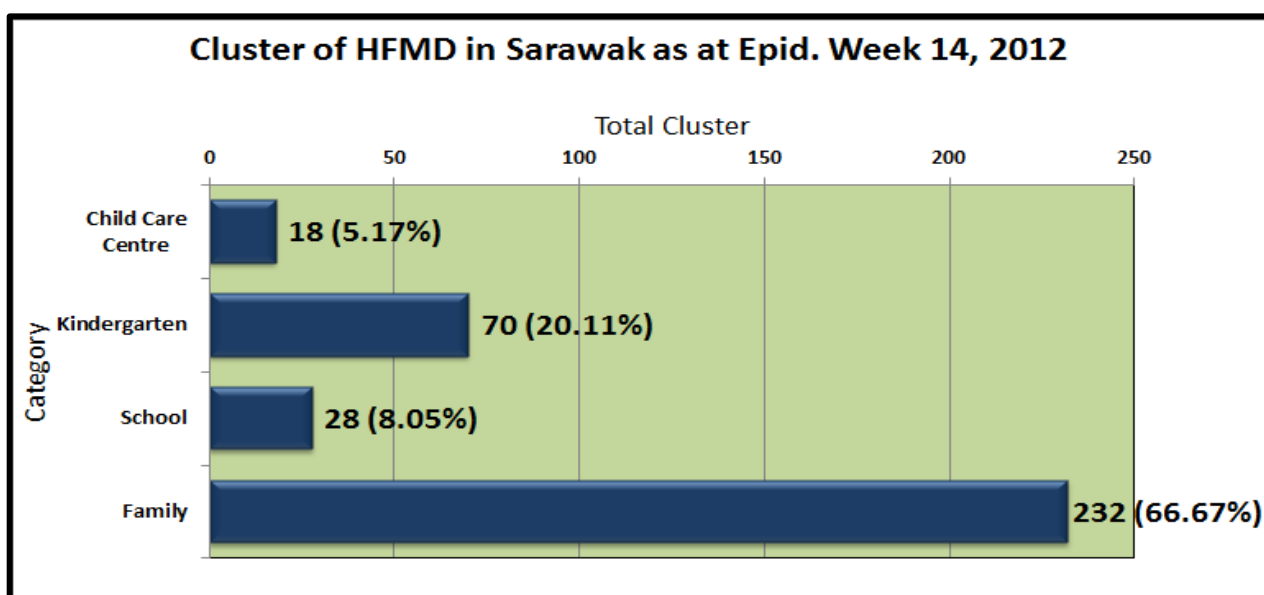
10.2.1 Comparison of total number of notified HFMD cases and registered HFMD cases in e-Notifikasi system by district as at 7th April 2012.

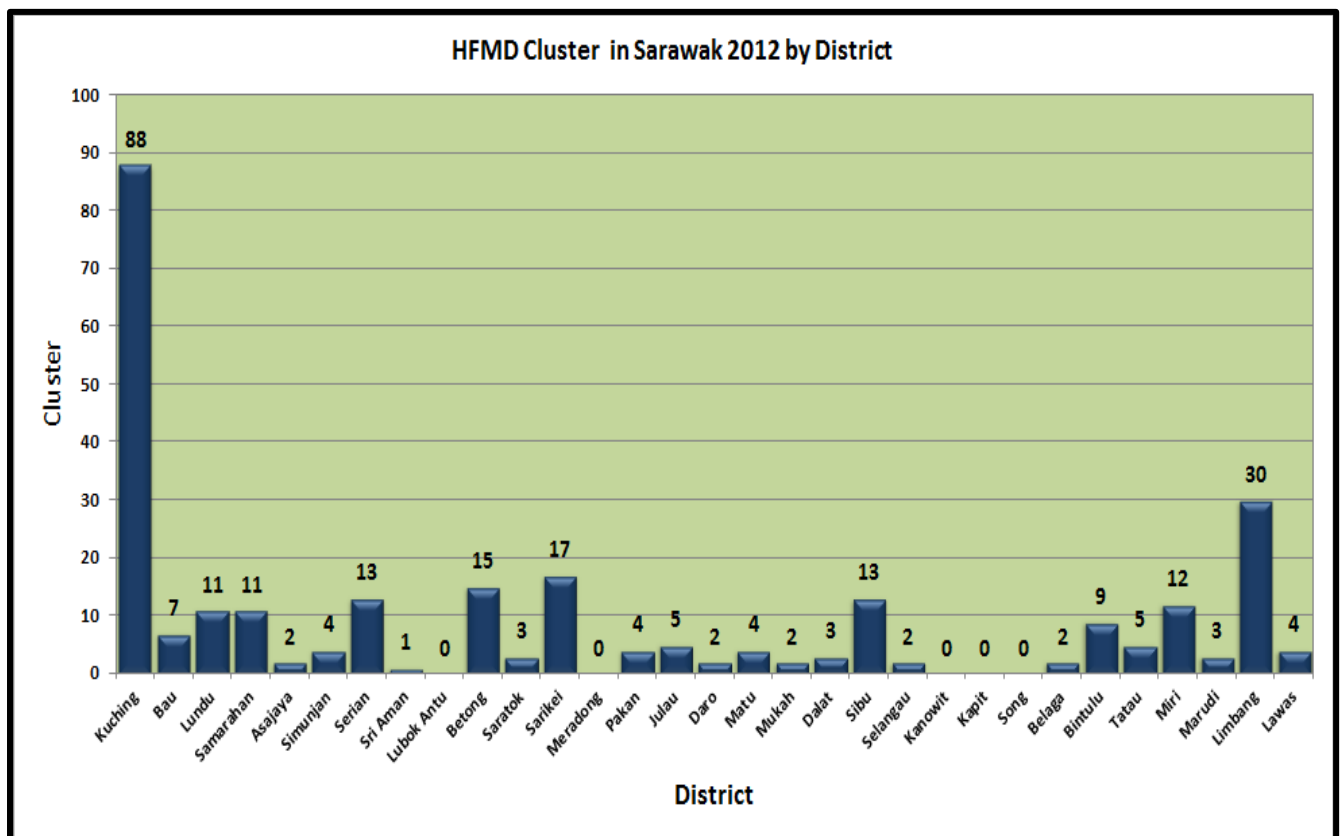
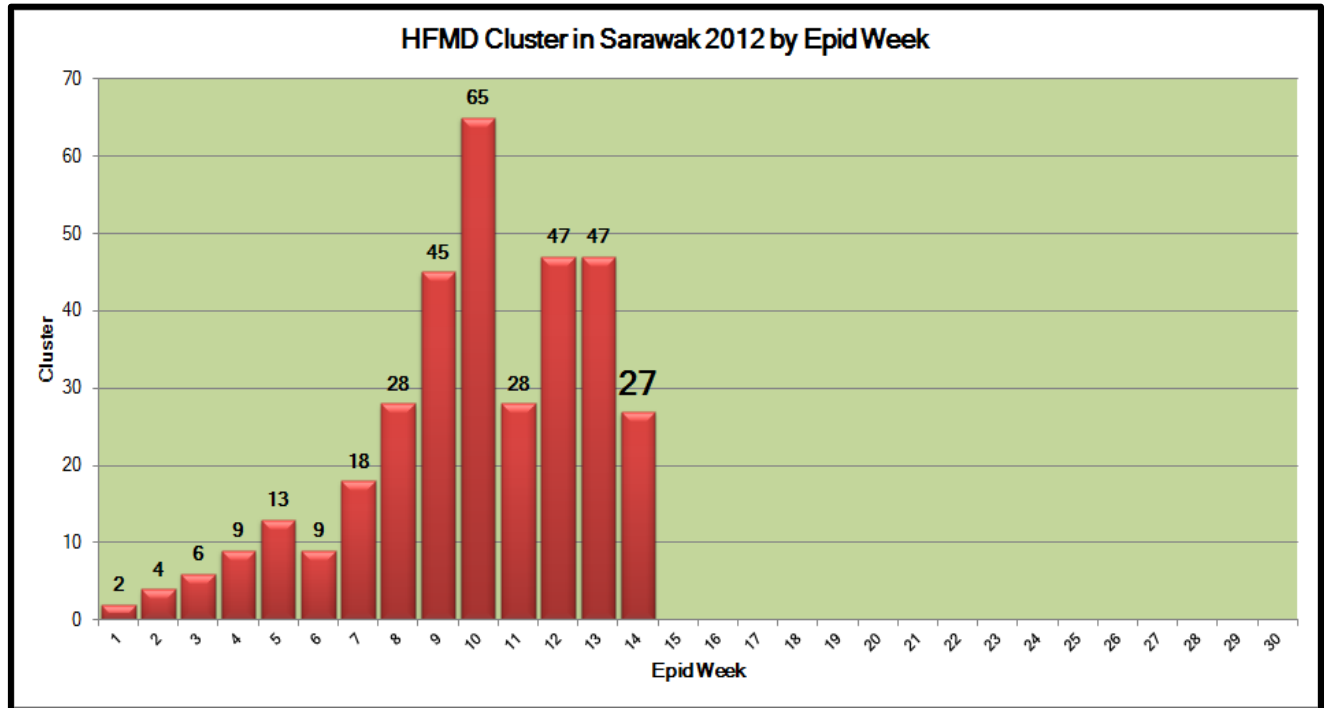
District	Masterlist		Registered Case		Back Log	
	EW 14	Total	EW 14	Total	EW 14	Total
Kuching	126	1424	120	1375	6	49
Bau	17	122	14	118	3	4
Lundu	16	88	16	88	0	0
KUCHING	159	1634	150	1581	9	53
Samarahan	18	258	16	256	2	2
Asajaya	4	41	2	39	2	2
Simunjan	3	53	0	34	3	19
Serian	13	142	13	141	0	1
SAMARAHAN	38	494	31	470	7	24
Sri Aman	18	163	9	152	7	11
Lubok Antu	1	21	1	21	0	0
SRI AMAN	19	184	10	173	7	11
Betong	6	168	0	149	6	19
Saratok	3	59	3	59	0	0
BETONG	9	227	3	208	6	19
Sarikei	8	147	0	120	8	27
Meradong	2	20	0	18	2	2
Pakan	4	44	1	41	3	3
Julau	5	45	5	32	0	13
SARIKEI	19	256	6	211	13	45
Daro	0	42	0	34	0	8
Matu	2	17	2	14	0	3
Mukah	7	52	5	50	2	2
Dalat	3	31	3	31	0	0
MUKAH	12	142	10	129	2	13
Sibu	6	152	6	152	0	0
Selangau	0	11	0	11	0	0
Kanowit	1	16	0	3	1	13
SIBU	7	179	6	166	1	13
Kapit	7	121	7	113	0	8
Song	0	9	0	8	0	1
Belaga	0	18	0	17	0	1
KAPIT	7	148	7	138	0	10
Bintulu	46	461	33	401	13	60
Tatau	0	61	0	49	0	12
BINTULU	46	522	33	450	13	72
Miri	26	299	29	278	-3	21
Marudi	3	36	0	33	3	3
MIRI	29	335	29	311	0	24
Limbang	17	251	14	214	3	37
Lawas	1	51	0	29	1	22
LIMBANG	18	302	14	243	4	59
SARAWAK	363	4423	299	4080	62	343

10.2.2. Cumulative HFMD Clusters as of 7th April 2012.

A total of 27 HFMD clusters were reported in Epid.Week 14, 2012. Kuching Division reported the most clusters with 15 clusters, followed by Bintulu (3), Miri (2), Mukah (2), Limbang (7), Samarahan (1), Sarikei(1), and Sibu (1). These clusters involving a total of 19 families, 5 preschools/kindergartens, 2 primary schools and 1 child care centre.

As at 7th April 2012, a total of 348 clusters were reported. Of these, 232 (66.67%) were family clusters, 18 child care centres (5.17%), 70 preschools/kindergartens (20.11%), and 28 (8.05%) primary schools.





10.3. Notified Leptospirosis cases for Epid. Week 14, 2012 compared to Epid.Week14, 2011 and cumulative cases till Epid.Week 14 in 2012.

District / Division	Case classification				Total		Total
	Confirmed		Probable		2012	2011	2010
	EW (14) 2012	EW (14) 2011	EW (14) 2012	EW (14) 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	0	0	3	13 (2)	1
Lubok Antu	0	0	1	0	6	11	3 (1)
SRI AMAN	0	0	1	0	9	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	2	0	0	0	2	3	0
SIBU	2	0	0	0	3	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	5	2 (1)	1
Lawas	0	0	0	0	0	0	0
LIMBANG	0	0	0	0	5	2 (1)	1
SARAWAK	2	0	1	0	34	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 14, 2011 compared to Epid. Week 14, 2011 and cumulative cases until Epid.Week 14, 2012.

District / Division	Case classification				Total		Total
	Confirmed		Probable		2012	2011	2010
	EW (14) 2012	EW (14) 2011	EW (14) 2012	EW (14) 2011			
Lundu	0	0	0	0	0	0	0
Bau	0	0	0	0	0	1	0
Kuching	0	0	0	0	1	4	12 (1)
KUCHING	0	0	0	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	1	0	3	0
Lubok Antu	0	0	0	0	0	1	0
SRI AMAN	0	0	0	1	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	1(1)	0	0	2	62 (3)	162 (1)
Belaga	0	0	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)	0	1	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

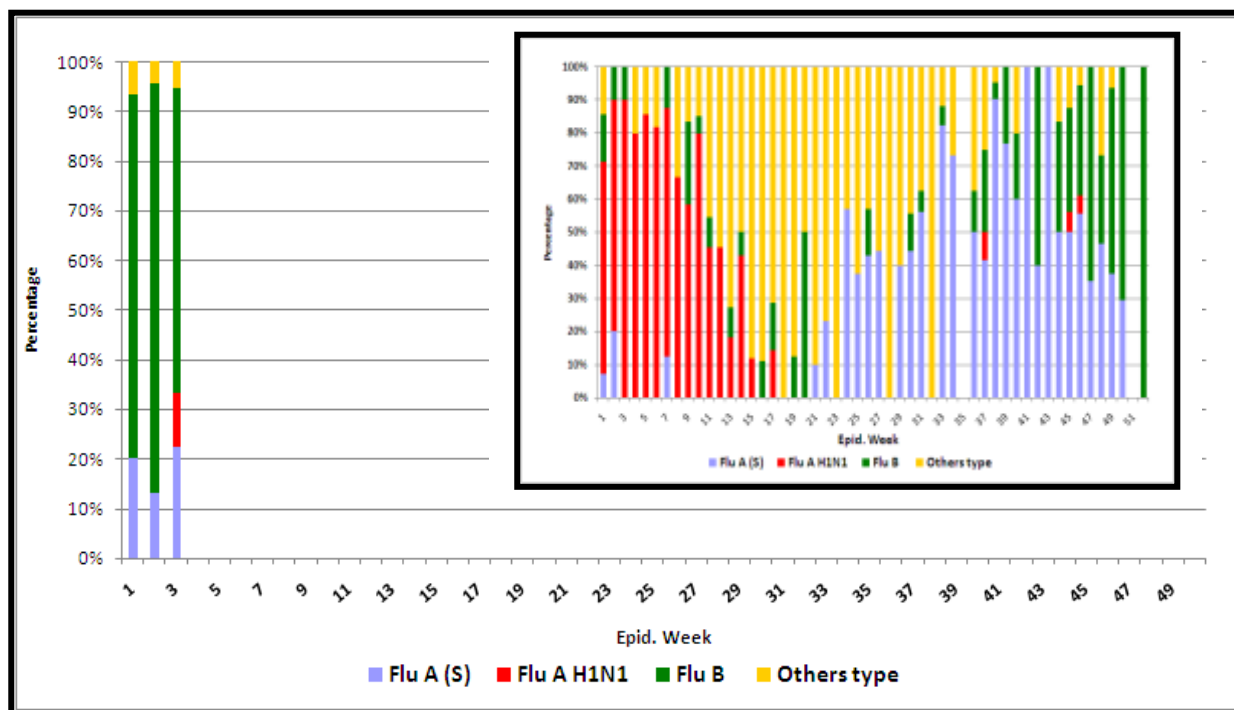
* SGH = Sarawak General Hospital

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 MKAK Kota Kinabalu, Sabah.

In Malaysia, as at Epid Week 03, 2012, a total of 287 throat swab specimens were analysed at MKAK Sungai 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).

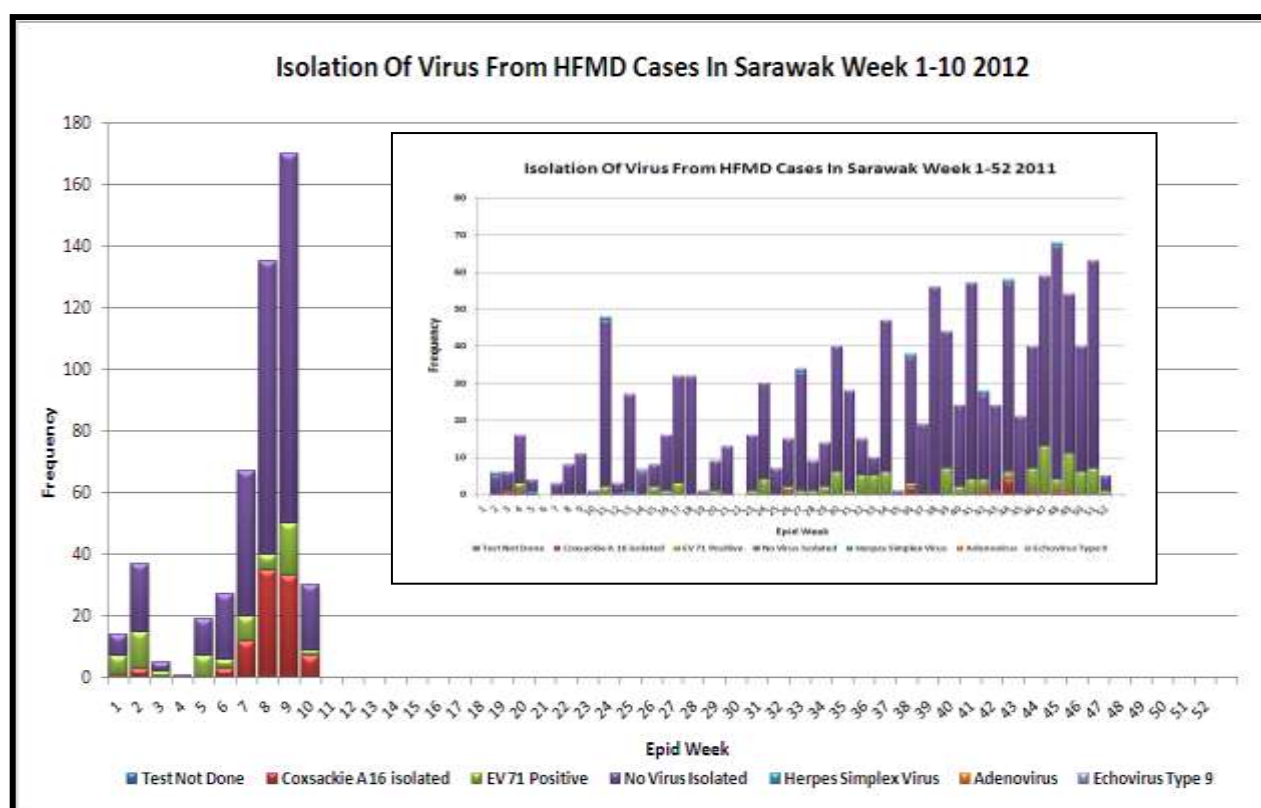
11.2. Laboratory Based Surveillance for Measles in Malaysia

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 SgBuloh, 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) district.

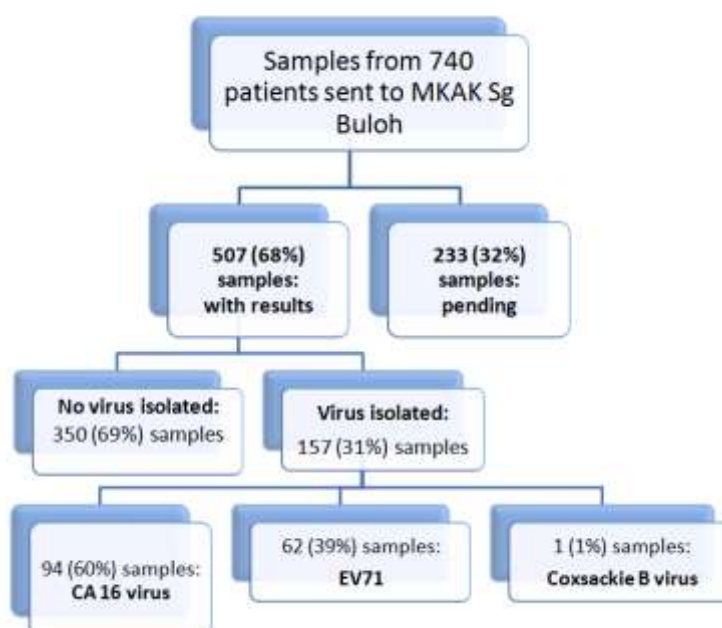
In 2011, Sarawak Health Department sent a total of 360 serum specimens for serology test to MKAK Sg. Buloh. Of these, 40 were positive for IgM Measles (with 6 equivocal) and 40 positive for Rubella (with 17 equivocal).

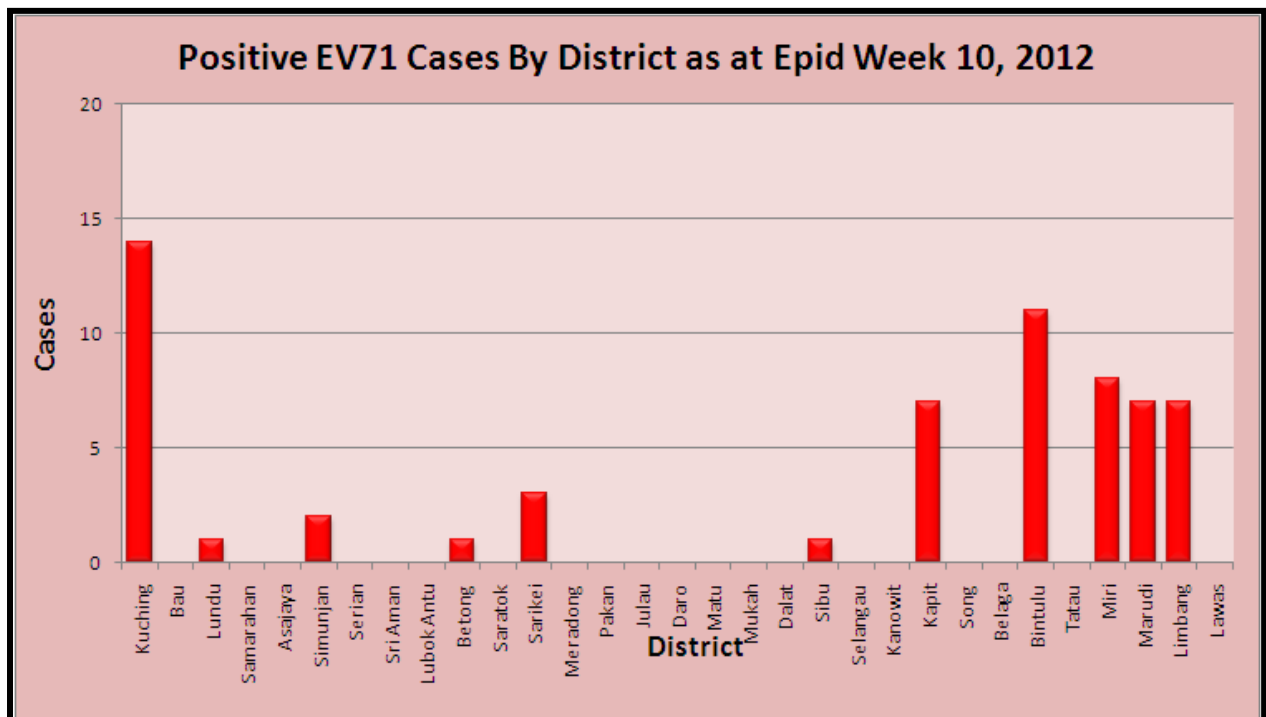
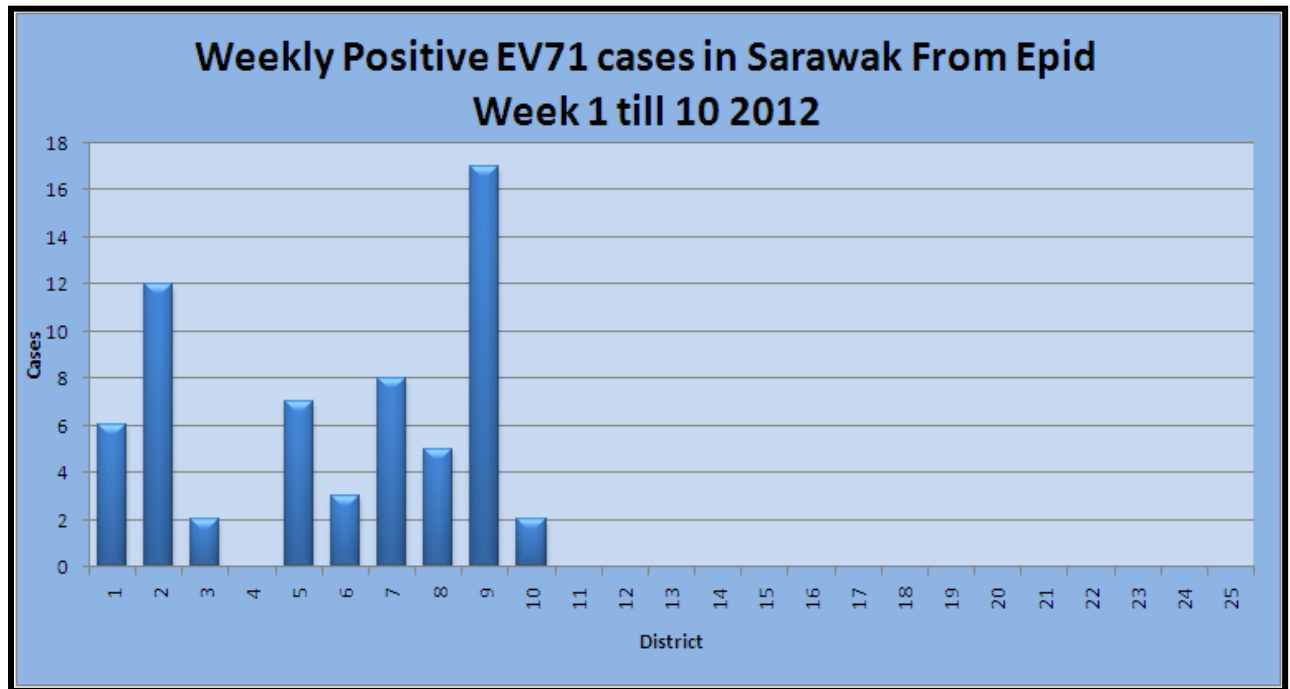
11.3.Laboratory Based Surveillance for HFMD in Sarawak from Epid Week 1 till Epid Week 10, 2012 compared to 2011 (insert).

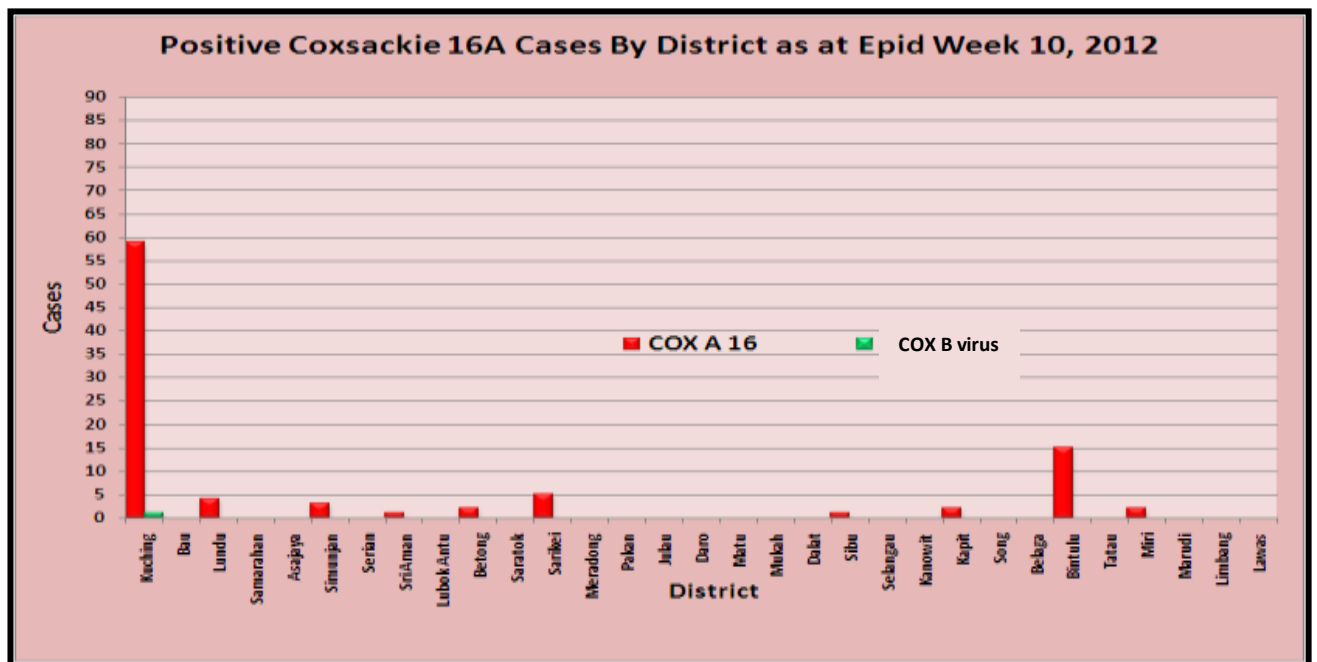
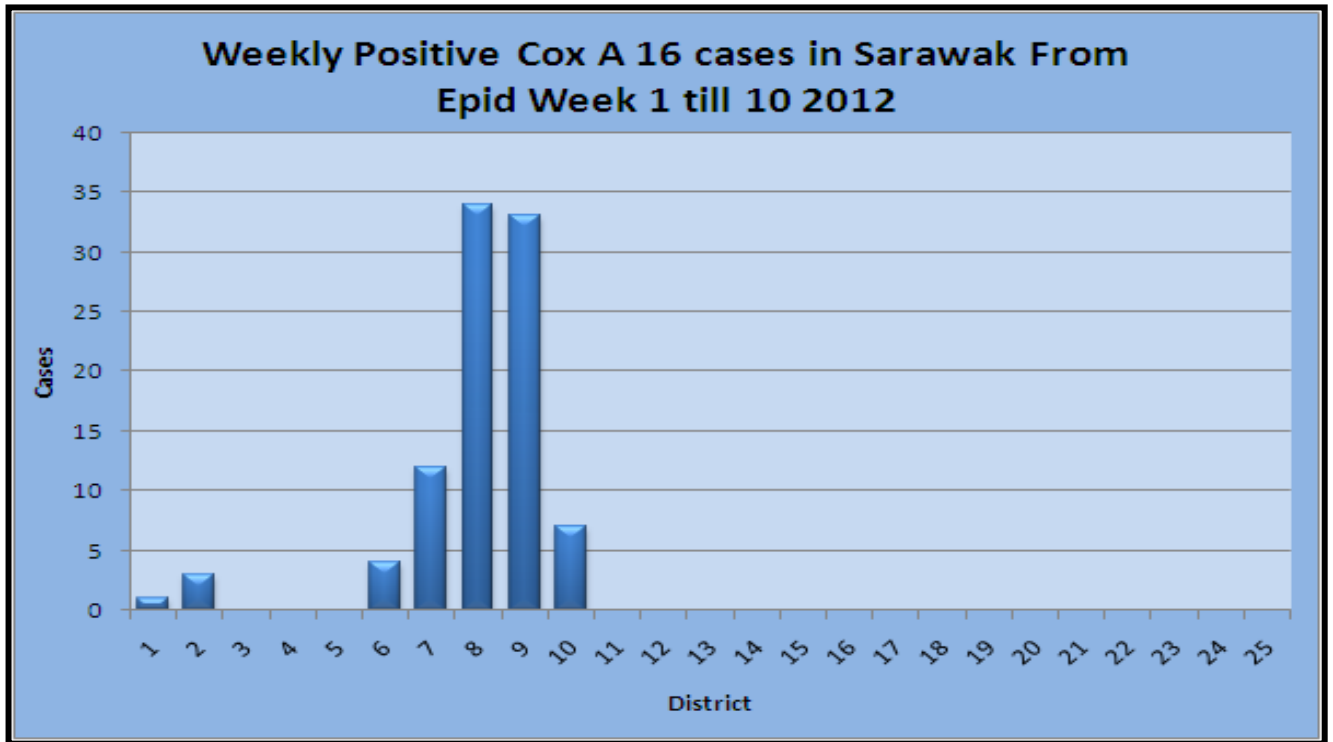


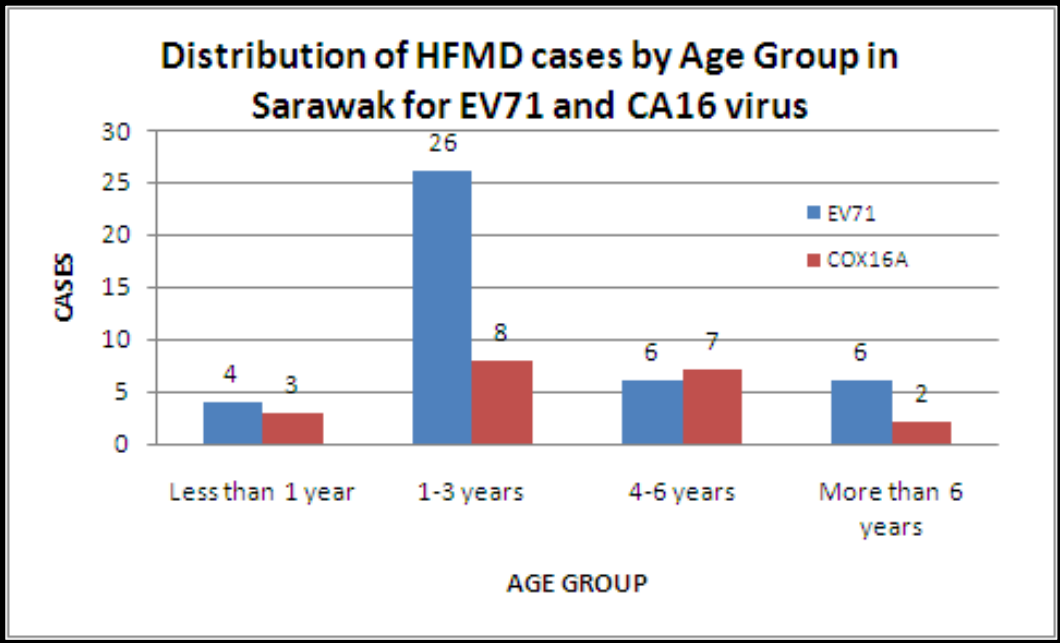
*results from EW 7, 2012 onwards are still pending

As at 18th February, 2012, specimens from 740 HFMD cases were sent to MKAK Sg. Buloh for viral isolation. Of these, 157 specimens isolated viruses: Coxsackie A16 (94), EV71 (62), and Coxsackie B16 (1). No viruses isolated in 350 specimens and another 233 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 7th April 2012):

No.	Name/Designation	Office address	E-mail address	Tel. / Fax / Handphone number
1	Ketua Penolong Pengarah Kanan Dr. Razitasham Safii	Seksyen Kawalan Penyakit Berjangkit, Jabatan Kesihatan Negeri Sarawak,	razitasham@srwk.moh.gov.my	Tel: 082-421442 Fax: 082-234571 Hp: 013-8047635
2	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
3	Pegawai Kesihatan Bahagian Bahagian Kuching Dr. Kamarudin Lajim	Pejabat Kesihatan Bahagian, Bahagian Kuching, Jalan Tun Ahmad Zaidi Adruce, 93250 KUCHING.	kamarudinl@srwk.moh.gov.my	Tel: 082-238635/257867 Fax: 082-414542/250037 Hp: 013-8014332
4	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
6	Pegawai Kesihatan Bahagian Bahagian Sri Aman Dr. Musalnizan bt Mustalkan	Pejabat Kesihatan Bahagian, Bahagian Sri Aman, Tingkat 3, Wisma Persekutuan, Jalan Hospital 95007 SRI AMAN.	musalnizan@yahoo.com	Tel: 083-332176 Fax: 083-322058 Hp: 013-8187779
7	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
15	Pegawai Kesihatan Bahagian Bahagian Limbang Dr. Norliza Jusoh	Pejabat Kesihatan Bahagian, Bahagian Limbang, Jalan Pandaruan, 98700 LIMBANG.	norliza@srwk.moh.gov.my	Tel: 085-211046 Fax: 085-429987 Hp: 019-8163163

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Note:

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