



SARAWAK

WEEKLY EPID NEWS

Sarawak Health Department

WEEK 15

8th – 14th APRIL 2012

INFECTIOUS DISEASE/CRISIS HIGHLIGHTS IN SARAWAK

In Epid. Week 15, 2012, Sarawak Health Department received reports of 38 HFMD clusters, one food poisoning outbreaks and one dengue outbreak.

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SARAWAK
State Health Department

CPRC (CRISIS PREPAREDNESS AND RESPONSE CENTRE)

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2. NEW OUTBREAKS/CLUSTERS

No	Disease	District	Locality	Case (No)	Outbreak declared
1	AGE	Simunjan	No.1, Kelas F, Simunjan Hospital Quarters	2	10 April 2012

2.1 HFMD CLUSTERS SUMMARY

Division	Category of Cluster				Total
	Family	School	Kindergarten	Child Care Centre	
Kuching	15	2	0	0	17
Samarahan	3	0	1	1	5
Sri Aman	0	0	0	0	0
Betong	3	0	0	0	3
Sarikei	4	0	3	0	7
Mukah	0	2	1	0	3
Sibu	1	0	1	0	2
Kapit	0	0	0	0	0
Bintulu	0	0	0	0	0
Miri	0	0	0	0	0
Limbang	1	0	0	0	1
Total	27	4	6	1	38

3. SUMMARY OF MANDATORY NOTIFIABLE DISEASES REPORTED IN EPID. WEEK 15, 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					12									0							
Bau											20									1							
Kuching	3/0					3				3	87			2	6					10							
Samarahan	1/1					1			2		26				2					2							
Asajaya										1	3									2							
Simunjan											5									3							
Serian											9									2							
Sri Aman	1/0					1					18									0							
L/ Antu											13									2	3						
Betong						2					15									0							
Saratok											4	3								1							
Sarikei						2	1				12									2							
Meradong						0					2									2							
Pakan						1					2	1								0							
Julau						1					3	1								3							
Daro											6																
Matu											3																
Dalat											4																
Mukah							1				6																
Sibu						2	1				15	1						2		6							
Kanowit											0	1								1							
Selangau											0																
Song											2	1															
Kapit						1					3	11									1						
Belaga											0																
Tatau											5									0							
Bintulu						1					26				1					2							
Miri	2/0					1					28				6			1		3							
Marudi											0	3								4							
Limbang	0/1										7																
Lawas											2	4															
TOTAL (Week 15)	7/2	0	0	0	0	17	3	0	2	4	338	0	26	2	15	0	0	0	3	0	46	4	0	0	0	0	0
Total (2012)	25/8	0	0	0	0	252	6	0	236	63	4060	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 15, 2012

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

Note: S = Suspected; C = Confirmed

4.2. Acute Gastroenteritis

An acute gastroenteritis (AGE) outbreak was reported on 10 April in Epid. Week 15, 2012 from Simunjan Hospital Quarters, Simunjan district which involved two siblings age of three and six years old (male=1, female=1). The clinical presentations were abdominal pain (98%), diarrhoea (100%), vomiting (100%) and nausea (50%). The onsets were at 3:00 AM and 3:05 AM on 10 April 2012. From the house inspection and environmental investigation, the risk factor is poor personal hygiene and sanitation.

4.3. Cholera

No case was reported in Epid. Week 15, 2012.

4.4. Dysenteries (All forms)

Three suspected dysentery cases were reported in Epid. Week 15, 2012 from Sarikei (1), and Sibu (2) districts. As at 14th April 2012, a total of 48 suspected dysenteries (all forms) cases were reported but none were positive for culture & sensitivity test.

4.5. Typhoid and paratyphoid fever.

One suspected typhoid case from Kapit district and three cases of confirmed Paratyphi A from Lubok Antu District were reported in Epid. Week 15, 2012.

4.6. Hepatitis A.

No case of Hepatitis A was reported in Epid. Week 15, 2012.

5. SURVEILLANCE REPORT ON VACCINE PREVENTABLE DISEASES

5.1. Total number of Vaccine Preventable Diseases Reported by division in Epid. Week 15, 2012

Division	Diphtheria		Measles					Rubella	Polio		Tetanus		Pertussis	
	S	C	*S	Confirmed			Discard	C	S	C	S	C	S	C
				Lab.	Clinically	Epid. Link								
KUCHING	0	0	6	0	0	0	0	0	0	0	0	0	1	1
SAMARAHAN	0	0	2	0	0	0	0	0	0	0	0	0	0	0
SRI AMAN	0	0	0	0	0	0	0	1	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	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	6	0	0	0	0	0	0	0	0	0	0	0
LIMBANG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SARAWAK	0	0	15	0	0	0	0	1	0	0	0	0	1	1

Note: S = suspected; C = confirmed; *S = suspected case based on **registered cases in SM2**

5.2. Measles (data derived from SM2)

A total of 15 suspected sporadic measles cases were reported in Epid. Week 15, 2012 from Kuching (6), Miri (12), Samarahan (2), and Bintulu (1) District. No suspected measles cluster was reported in Epid. Week 15, 2012.

Case definition of measles:

Any person with

1. Fever and maculopapular rash and; one of the "c" i.e: conjunctivitis, or cough or coryza

OR

2. 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 15, 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%)	5(83.33%)
Samarahan	2	2(100%)	2(100%)	2(100%)
Sri Aman	0	-	-	-
Betong	0	-	-	-
Sarikei	0	-	-	-
Sibu	0	-	-	-
Kapit	0	-	-	-
Mukah	0	-	-	-
Bintulu	1	1(100%)	1(100%)	1(100%)
Miri	6	6(100%)	6(100%)	6(100%)
Limbang	0	-	-	-
Sarawak	15	15(100%)	15(100%)	14(93.33%)

Strategies of MEP:

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

5.3. Pertussis

Two suspected pertussis cases were notified from Kuching District in Epid. Week 15. One case was confirmed by PCR and the other was negative by PCR.

As at 14 April 2012, a total of 14 suspected pertussis cases were reported and only three of the cases were confirmed by PCR.

5.4. Polio

No suspected case was reported in Epid. Week 15 2012.

5.5. Rubella

One case of vaccine-related rubella was reported from Kg Hilir, Sri Aman District in Epid Week 15, 2012. The case is a one-year old Malay girl and received MMR vaccination on 27/2/12.

As at 14 April 2012, the cumulative confirmed rubella cases is two (one case of vaccine-related rubella).

5.6. Tetanus (All forms)

No suspected case was reported in Epid. Week 15, 2012.

6. SURVEILLANCE REPORT ON HIV/AIDS AND STI

6.1 Notified HIV/AIDS cases for Epid. Week 15, 2012 and cumulative cases from Epid. Week 1 until Epid. Week 15, 2012.

District / Division	2012			
	EW 15		Cumulative	
	HIV	AIDS	HIV	AIDS
Lundu	0	0	0	0
Bau	0	0	0	0
Kuching	3	0	6	1
KUCHING	3	0	6	1
Samarahan	1	1	2	1
Asajaya	0	0	2	1
Simunjan	0	0	3	1
Serian	0	0	0	1
SAMARAHAN	1	1	7	4
Sri Aman	1	0	1	0
LubokAntu	0	0	0	0
SRI AMAN	1	0	1	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	2	0	8	0
Marudi	0	0	0	0
MIRI	2	0	8	0
Limbang	0	1	1	2
Lawas	0	0	0	1
LIMBANG	0	1	1	3
Sarawak	7	2	25	8

EW = Epid. Week; Cum. = Cumulative figure

6.2 HIV/AIDS Patient Classification Notified in Epid. Week 15 and Cumulative from Epid. Week 1 until Epid. Week 15, 2012

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

Seven HIV and two AIDS cases was reported in Epid. Week 15, 2012.

3.3.3 Notified Gonorrhoea and Syphilis (all forms) cases for Epid. Week 15, 2012 and Cumulative cases from Epid. Week 1, 2012 until Epid.Week15, 2012.

District / Division	Gonorrhoea		Syphilis (all forms)	
	EW 15	Cum.	EW 15	Cum.
Lundu	0	2	0	1
Bau	0	0	0	1
Kuching	3	43	0	17
KUCHING	3	45	0	19
Samarahan	0	10	0	5
Asajaya	1	5	0	2
Simunjan	0	2	0	1
Serian	0	3	0	0
SAMARAHAN	1	20	0	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	2	13
Kanowit	0	0	0	0
Selangau	0	1	0	0
SIBU	0	11	2	13
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	1	2
Marudi	0	1	0	0
MIRI	0	12	1	2
Limbang	0	2	0	1
Lawas	0	2	0	0
LIMBANG	1	4	0	1
Sarawak	4	106	3	52

EW = Epid. Week; Cum. = Cumulative figure

Gonorrhoea

Four cases were reported in Epid. Week 15, 2012 from Kuching (3), Asajaya (1) and Limbang (1) District.

As at 14 April, 2012, the cumulative cases reported is 106.

Syphilis (All forms)

Three cases were reported in Epid. Week 15, 2012 from Sibu(2) and Miri(1) district.

As at 14 April, 2012, the cumulative cases reported is 52.

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

7.1 Notified Tuberculosis cases for Epid. Week 15, 2012 compared to Epid. Week 15, 2011 and cumulative cases until Epid.Week15, 2012.

District / Division	2012		2011		
	EW 15	Cum.	EW 15	Cum.	Total
Lundu	0	6	2	8	22
Bau	1	14	1	14	42
Kuching	10	118	5	90	365
KUCHING	11	138	8	112	429
Samarahan	2	6	1	13	46
Asajaya	2	5	1	5	29
Simunjan	3	11	2	9	37
Serian	2	14	0	19	61
SAMARAHAN	9	36	4	46	173
Sri Aman	0	13	1	15	58
LubokAntu	2	9	1	17	49
SRI AMAN	2	22	2	32	107
Betong	0	7	4	14	43
Saratok	1	9	2	16	55
BETONG	1	16	6	30	98
Sarikei	2	6	0	14	51
Meradong	2	13	0	9	29
Pakan	0	3	0	7	22
Julau	3	7	0	5	22
SARIKEI	7	29	0	35	124
Daro	0	2	1	9	27
Matu	0	1	0	1	4
Dalat	0	0	0	4	14
Mukah	0	5	1	8	44
MUKAH	0	8	2	22	89
Sibu	6	44	5	53	175
Kanowit	1	6	0	8	42
Selangau	0	4	0	8	32
SIBU	7	54	5	69	249
Song	0	4	0	7	23
Kapit	0	10	1	19	60
Belaga	0	3	2	12	40
KAPIT	0	17	3	38	123
Tatau	0	7	1	12	43
Bintulu	2	30	5	52	187
BINTULU	2	37	6	64	230
Miri	3	78	6	91	306
Marudi	4	24	2	17	61
MIRI	7	102	8	108	367
Limbang	0	16	1	12	42
Lawas	0	7	1	11	24
LIMBANG	0	23	2	23	66
Sarawak	46	482	46	579	2055

EW = Epid. Week; Cum. = Cumulative figure

7.2 Notified Leprosy cases for Epid. Week 15, 2012 compared to Epid. Week 15, 2011 and cumulative cases until Epid.Week15, 2012.

District / Division	2012		2011		
	EW 15	Cum.	EW 15	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 14th April 2012

District / Division	Case classification					
	Positive smear		Negative smear		Extra PTB	
	EW 15	Cum.	EW 15	Cum.	EW 15	Cum.
Lundu	0	4	0	0	0	2
Bau	1	11	0	3	0	0
Kuching	5	67	4	38	1	13
KUCHING	6	82	4	41	1	15
Samarahan	2	5	0	0	0	1
Asajaya	1	1	0	2	1	2
Simunjan	3	9	0	2	0	0
Serian	2	13	0	1	0	0
SAMARAHAN	8	28	0	5	1	3
Sri Aman	0	9	0	3	0	1
LubokAntu	1	8	1	1	0	0
SRI AMAN	1	17	1	4	0	1
Betong	0	6	0	1	0	0
Saratok	1	8	0	1	0	0
BETONG	1	14	0	2	0	0
Sarikei	2	4	0	1	0	1
Meradong	2	9	0	4	0	0
Pakan	0	2	0	0	0	1
Julau	2	5	1	2	0	0
SARIKEI	6	20	1	7	0	2
Daro	0	1	0	1	0	0
Matu	0	1	0	0	0	0
Dalat	0	0	0	0	0	0
Mukah	0	4	0	1	0	0
MUKAH	0	6	0	2	0	0
Sibu	4	25	0	9	2	10
Kanowit	0	3	0	0	1	3
Selangau	0	3	0	0	0	1
SIBU	4	31	0	9	3	14
Song	0	2	0	1	0	1
Kapit	0	5	0	2	0	3
Belaga	0	3	0	0	0	0
KAPIT	0	10	0	3	0	4
Tatau	0	6	0	1	0	0
Bintulu	2	19	0	11	0	0
BINTULU	2	25	0	12	0	0
Miri	3	61	0	13	0	4
Marudi	3	16	1	6	0	2
MIRI	6	77	1	19	0	6
Limbang	0	16	0	0	0	0
Lawas	0	4	0	1	0	2
LIMBANG	0	20	0	1	0	2
Sarawak	34	330	7	105	5	47

EW = Epid. Week; Cum. = Cumulative figure

Tuberculosis (all forms)

A total of 46 cases of tuberculosis (all forms) were reported in Epid. Week 15 2012.

As at 14th April 2012, the cumulative cases reported is 482.

Leprosy

No case of leprosy reported in Epid. Week 15, 2012.

As at 14th April 2012, the cumulative cases reported is four as compared to two cases during the same period in 2011.

7.4 Notified Tuberculosis (all forms) Patient Classification as on 14th April 2012.

District / Division	Patient Classification											
	Children		Health care worker				PUSPEN/Prison		Foreigner		Care Centre	
	EW 15	Cum.	*Exposed		*Not exposed		EW 15	Cum.	EW 15	Cum.	EW 15	Cum.
			EW 15	Cum.	EW 15	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	2	0	0	0	2	0	1	0	0
KUCHING	0	0	0	2	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	1	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	1	0	0	0	0	0	2	0	0
Sibu	0	4	0	1	0	0	0	0	0	1	0	0
Kanowit	0	0	0	0	0	0	0	0	0	1	0	0
Selangau	0	1	0	0	0	0	0	0	0	1	0	0
SIBU	0	5	0	1	0	0	0	0	0	3	0	0
Song	0	0	0	0	0	0	0	0	0	0	0	0
Kapit	0	3	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	3	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	15	0	6	0	0	0	3	0	28	0	0

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

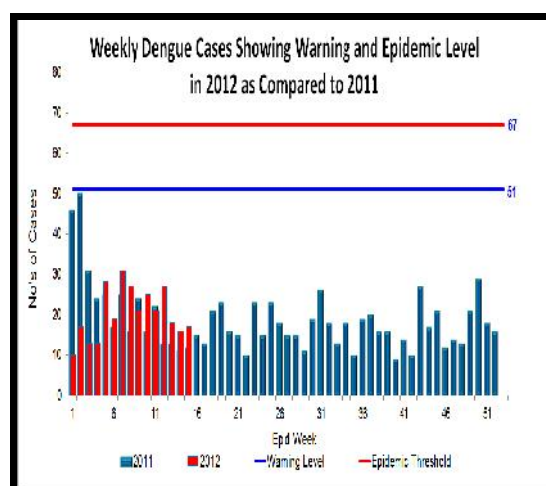
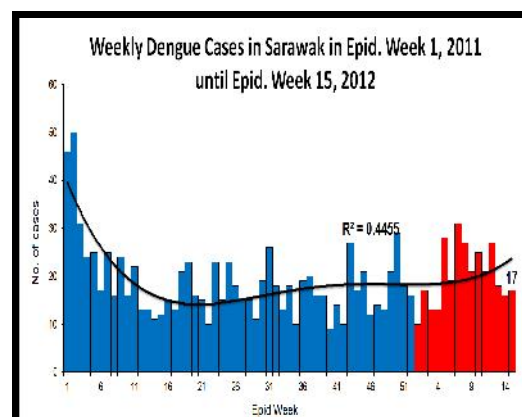
* Possibility of exposed or not exposed to TB patient

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 15, 2012 compared to Epid. Week 15, 2011 and cumulative cases until Epid. Week 15, 2012.

District	2012		2011		Total
	EW 15	Cum.	EW 15	Cum.	
Lundu	1	4	0	2	10
Bau	0	9	0	12	36
Kuching	3	47	1	35	106
Samarahan	1	13	0	5	21
Asajaya	0	2	0	1	4
Serian	0	4	0	4	18
Simunjan	0	7	0	7	19
Sri Aman	1	15	1	22	56
Lubok Antu	0	8	0	9	23
Betong	2	12	0	5	13
Saratok	0	5	0	1	11
Sarikei	2	12	0	7	28
Meradong	0	4	0	7	14
Pakan	1	10	0	6	23
Julau	1	2	0	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	2	14	0	42	75
Kanowit	0	3	1	11	31
Selangau	0	2	0	5	10
Song	0	6	0	6	10
Kapit	1	17	0	16	32
Belaga	0	4	2	10	27
Tatau	0	8	2	14	47
Bintulu	1	18	2	39	100
Miri	1	50	2	39	134
Marudi	0	10	1	19	59
Limbang	0	6	0	6	20
Lawas	0	1	0	2	15
Sarawak	17	303	12	345	974



A total of 17 dengue cases were reported in Epid. Week 11, 2012 compared to 12 cases during the same period in 2011.

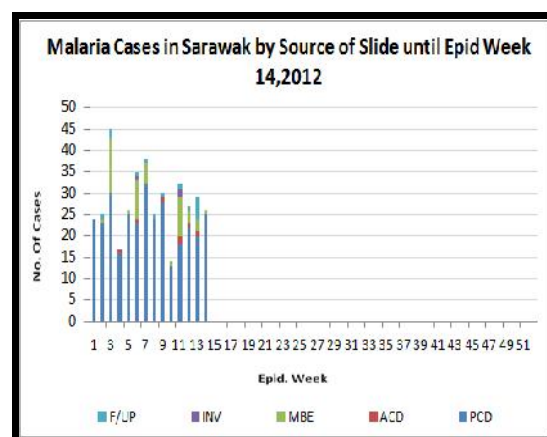
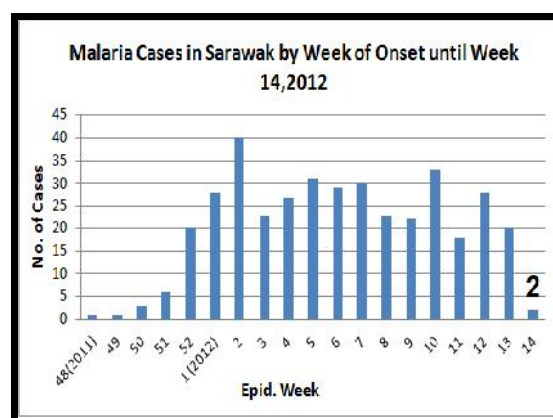
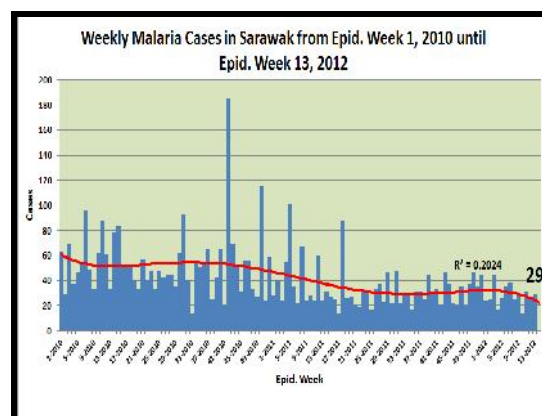
There was an increased of one case from the previous week.

One new outbreak was reported at Kampung Hilir , Sibu..

EW = Epid. Week; Cum. = Cumulative figure

8.2. Notified Malaria cases for Epid. Week 14, 2012 compared to Epid.Week14, 2011 and cumulative cases until Epid. Week 14 in 2012.

District	2012		2011		Total
	EW 14	Cum.	EW 14	Cum.	
Lundu	0	5	2	19	33
Bau	0	0	0	0	5
Kuching	0	8	1	6	23
Samarahan	0	2	0	2	3
Asajaya	0	0	0	0	1
Serian	0	3	2	7	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	3	9	0	0	3
Sarikei	0	4	1	6	16
Meradong	0	1	0	2	9
Pakan	1	18	0	5	29
Julau	1	22	3	18	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	23	4	14	52
Kanowit	1	22	2	22	89
Selangau	0	7	0	2	16
Song	1	17	0	16	78
Kapit	11	58	5	56	230
Belaga	0	18	2	34	139
Tatau	0	7	2	5	34
Bintulu	0	6	2	12	39
Miri	0	12	0	15	40
Marudi	3	95	6	289	670
Limbang	0	8	0	4	21
Lawas	4	20	0	11	34
Sarawak	26	393	32	566	1761



A total of 26 cases were reported in Epid. Week 14, 2012. The cumulative cases was 393. Of the 393 cases, 95 cases (24%) from Marudi District, 58 cases (15%) from Kapit District and 23 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 14	Cum.
Passive Case Detection (PCD)	25	323
Active Case Detection (ACD)	0	7
Investigation slides (INV)	0	3
Mass Blood Survey (MBS)	1	46
Follow-up	0	14
Total	26	393

8.2.2. Malaria cases by species

Species	2012	
	EW 14	Cum.
<i>P. vivax</i>	1	145
<i>P. falciparum</i>	3	28
<i>P. malariae</i>	1	3
<i>P. knowlesi</i>	19	213
<i>P. ovale</i>	0	2
Mixed	2	2
Total	26	393

8.2.3. Malaria cases by case classification

Classification	2012	
	EW 14	Cum.
Indigenous	21	336
*Imported A	5	56
Relapsed	0	1
Congenital	0	0
Total	26	393

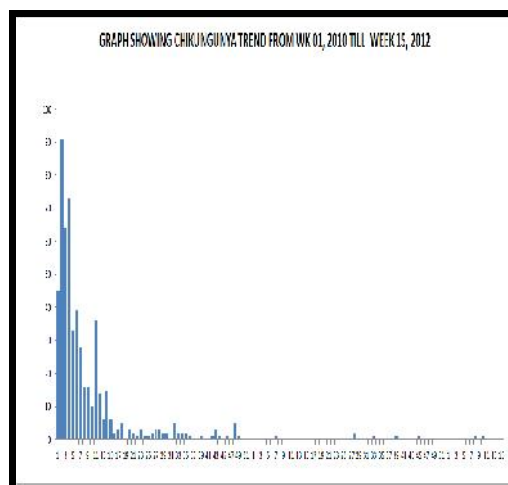
8.2.4. The summary of the *Imported A cases

No.	District reported	Source of infection	Nationality	Age	Gender	Address in Sarawak	Species
1	Sibu	KKB Taman Industries,Congo,Afrika	Malaysian	45	Male	Lot 13,Unit 5 ,Jln. Sibu Jaya, Durin,Sibu	Falciparum
2	Kapit	Kalimantan Barat, Indonesia	Indonesia	20	Male	KKB Heliwood WTK N. Gaat, Baleh,Kapit	Mixed
3	Kapit	KKB Mila-Mila, Congo,Afrika	Malaysian	43	Male	Tmn. Swee Gin,Kapit	Falciparum
4	Kapit	KKB Cima, Bata, Afrika	Malaysian	53	Male	KM 3 Kapit, R. Minggat,Kapit	Falciparum
5	Kapit	KKB Mila-Mila, Congo, Afrika	Malaysian	44	Male	Lot 2617 ,Tmn. Swee Gin	Mixed

KKB = Kem Kayu Balak (Logging Camp)

8.3. Notified Chikungunya cases for Epid. Week 15, 2012 compared to Epid. Week 15, 2011 and cumulative cases until Epid.Week 15 in 2012.

District	2012		2011		Total
	EW15	Cum	EW15	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 15, 2012. As The cumulative cases of Chikungunya in 2012 remains as two.

EW = Epid. Week; Cum. = Cumulative figure

8.4. Filariasis

No Filariasis case was reported in Epid Week 15, 2012. The cumulative case of Filariasis remains as eight.

8.5 Japanese Encephalitis (JE)

No Japanese Encephalitis (JE) case was reported in Epid. Week 15, 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 15, 2012. The cumulative cases of Viral Encephalitis reported remains as one.

9.2. Viral Hepatitis (all form)

No Viral Hepatitis case was reported in Epid. Week 15, 2012.

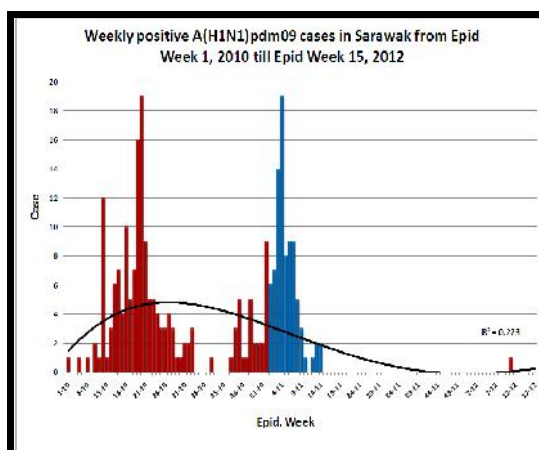
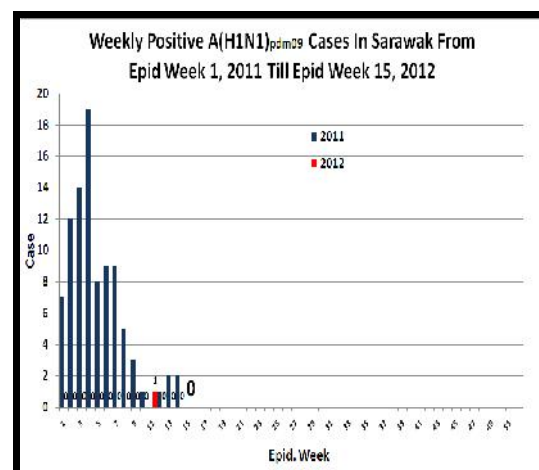
The cumulative cases were 42 cases: Hepatitis A (2), acute Hepatitis B (7), chronic Hepatitis B (24), acute Hepatitis C (5), and chronic Hepatitis C (14).

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

10.1.A/H1N1_{pdm09}

10.1.1 Positive Pandemic Influenza A/H1N1_{pdm09}C as for Epid. Week 15, 2012 compared to Epid. Week 15, 2011 and cumulative cases until Epid. Week 15 in 2012.

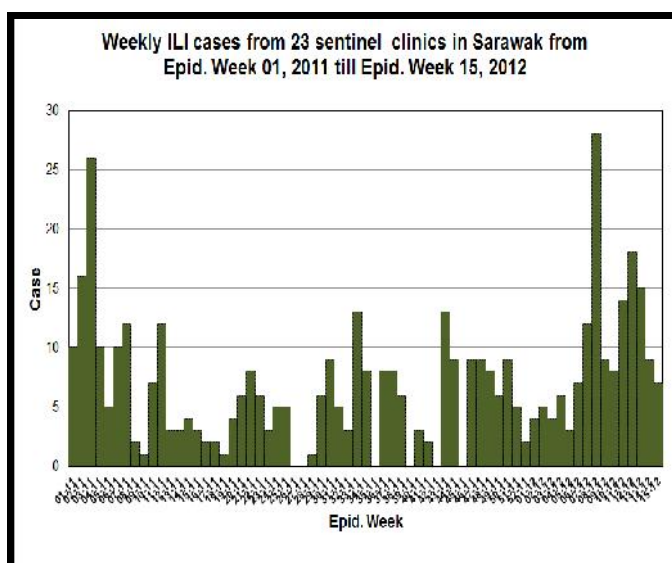
District	2012		2011		Total
	EW 15	Cum.	EW 15	Cum.	
Lundu	0	0	0	2	2
Bau	0	0	0	0	0
Kuching	0	0	0	51	51
Samarahan	0	0	0	0	0
Simunjan	0	0	0	0	0
Serian	0	0	0	0	0
Sri Aman	0	0	0	0	0
Lubok Antu	0	0	0	0	0
Betong	0	0	0	1	1
Saratok	0	0	0	0	0
Sarikei	0	0	0	0	0
Meradong	0	0	0	0	0
Julau	0	0	0	0	0
Daro	0	0	0	0	0
Dalat	0	0	0	0	0
Mukah	0	0	0	0	0
Sibu	0	0	0	1	1
Kanowit	0	0	0	0	0
Song	0	0	0	0	0
Kapit	0	0	0	0	0
Belaga	0	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	0	92	92



No A/H1N1_{pdm09} positive case was reported in Epid. Week 15, 2012 compared to one case reported during the same period in 2011.

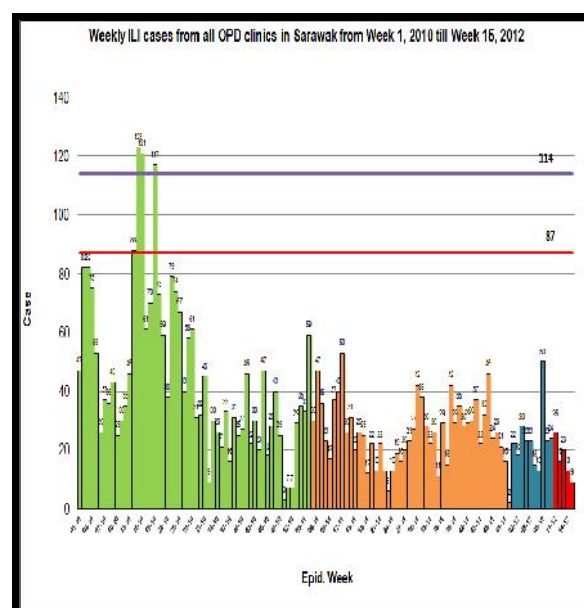
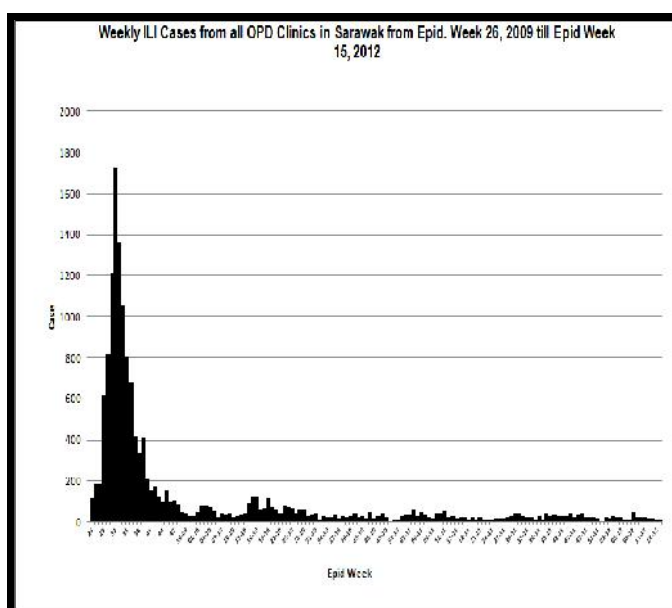
EW = Epid. Week; Cum. = cumulative figure

10.1.2 Outpatient Influenza-Like Illness (ILI) Surveillance from Epid.Week1 in 2010 till Epid.Week15 in 2012.



In Epid. Week 15, 2012, 7 cases of ILI reported from Sentinel clinics and 39 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).

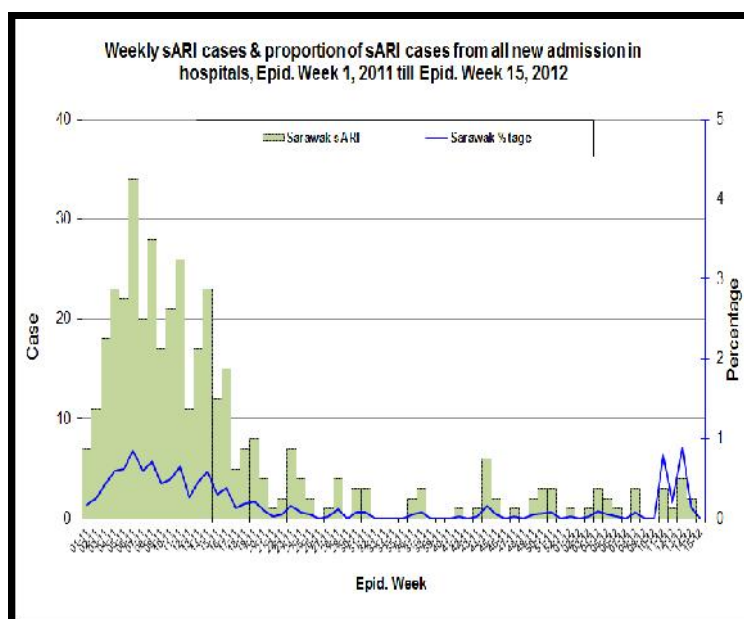


Referring to a letter dated 25 January 2011 from Office of the Deputy Director-General of Health (Public Health), Department of Public Health, Ministry of Health Malaysia about **PEMANTAUAN AKTIVITI A/H1N1pdm09 SECARA BERTERUSAN**, all PKB/PKD must send their daily H1N1 report as well as ILI and sARI 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 14th 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 14th April 2012.

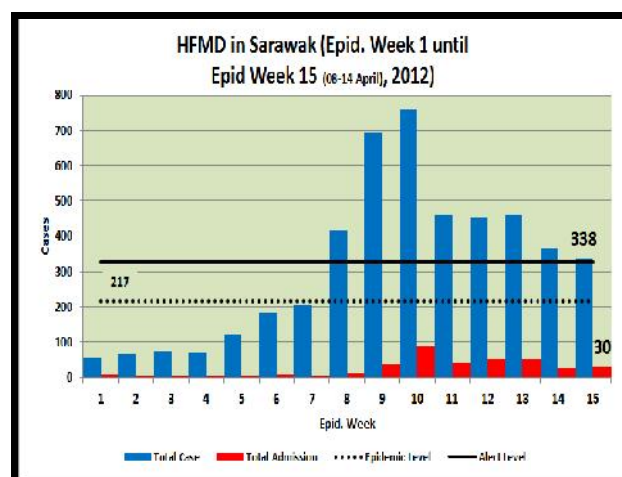
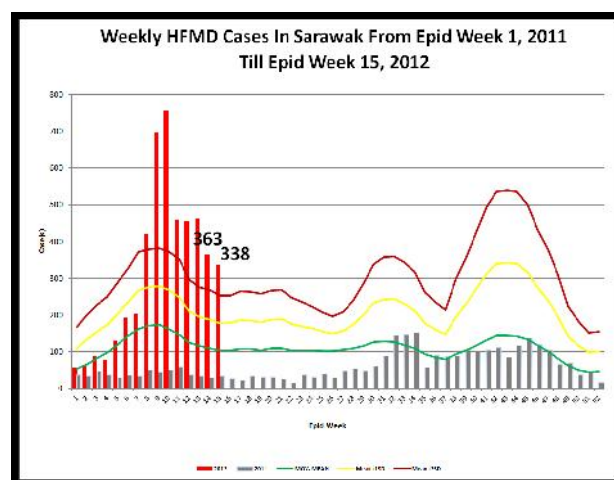
Division	Hospital	New EW 15	Cumulative 2012	No. of Inpatient			No. of Patient on Ventilator	Throat swabs		
				ICU	ISO	Other wards		Positive	Pending	Negative
Kuching	SGH Kuching	0	21	2	0	1	0	0	0	0
	Bau	0	1	0	0	0	0	0	0	0
	Lundu	0	0	0	0	0	0	0	0	0
	RCBM	0	0	0	0	0	0	0	0	0
	Sentosa	0	0	0	0	0	0	0	0	0
Samarahan	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		0	33	2	0	0	0	0	0	0

EW = Epid. Week; Cum. = Cumulative figure

No sARI cases were reported in Epid. Week 15, 2012.

10.2. Notified HFMD (masterlist) cases for Epid. Week 14, 2012 compared to Epid. Week 15, 2011 and cumulative cases in Epid. Week 15, 2011.

District / Division	2012		2011		Total
	EW 15	Cum.	EW 15	Cum.	
Lundu	12	100	12	86	31
Bau	20	142	0	10	149
Kuching	87	1511	0	2	602
KUCHING	119	1753	12	98	782
Samarahan	26	284	1	7	127
Asajaya	3	44	1	1	35
Simunjan	5	58	0	0	19
Serian	9	151	0	1	39
SAMARAHAN	43	537	2	9	220
Sri Aman	18	181	0	11	97
Lubok Antu	13	34	0	2	18
SRI AMAN	31	215	0	13	115
Betong	15	183	0	13	57
Saratok	4	63	1	18	37
BETONG	19	246	1	31	94
Sarikei	12	159	1	55	188
Meradong	2	22	3	9	73
Pakan	2	46	0	2	7
Julau	3	48	0	1	32
SARIKEI	19	275	4	67	300
Daro	6	48	0	0	7
Matu	3	20	0	0	4
Dalat	4	35	2	24	84
Mukah	6	58	0	12	42
MUKAH	19	161	2	36	137
Sibu	15	167	2	36	149
Kanowit	0	16	0	0	6
Selangau	0	11	0	3	22
SIBU	15	194	2	39	177
Song	2	11	1	40	12
Kapit	3	124	1	1	64
Belaga	0	18	0	4	55
KAPIT	5	153	2	45	131
Tatau	5	66	1	103	25
Bintulu	26	487	0	8	25
BINTULU	31	553	1	111	772
Miri	28	327	2	58	324
Marudi	0	36	2	36	49
MIRI	28	363	4	94	373
Limbang	7	258	0	8	65
Lawas	2	53	0	0	4
LIMBANG	9	311	0	8	69
SARAWAK	338	4761	30	551	3170



A total of 338 HFMD cases reported in Epid. Week 15, 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

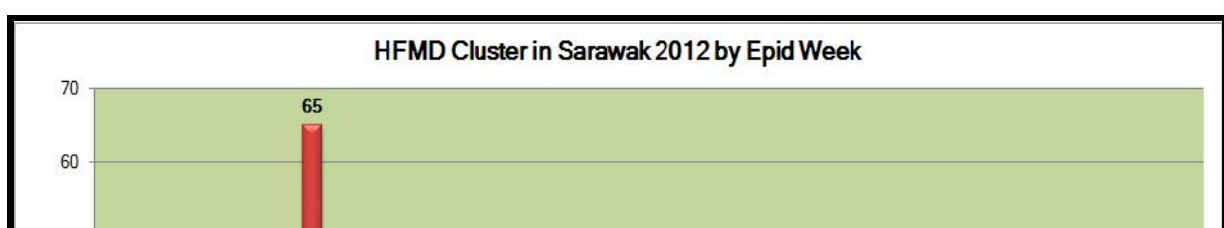
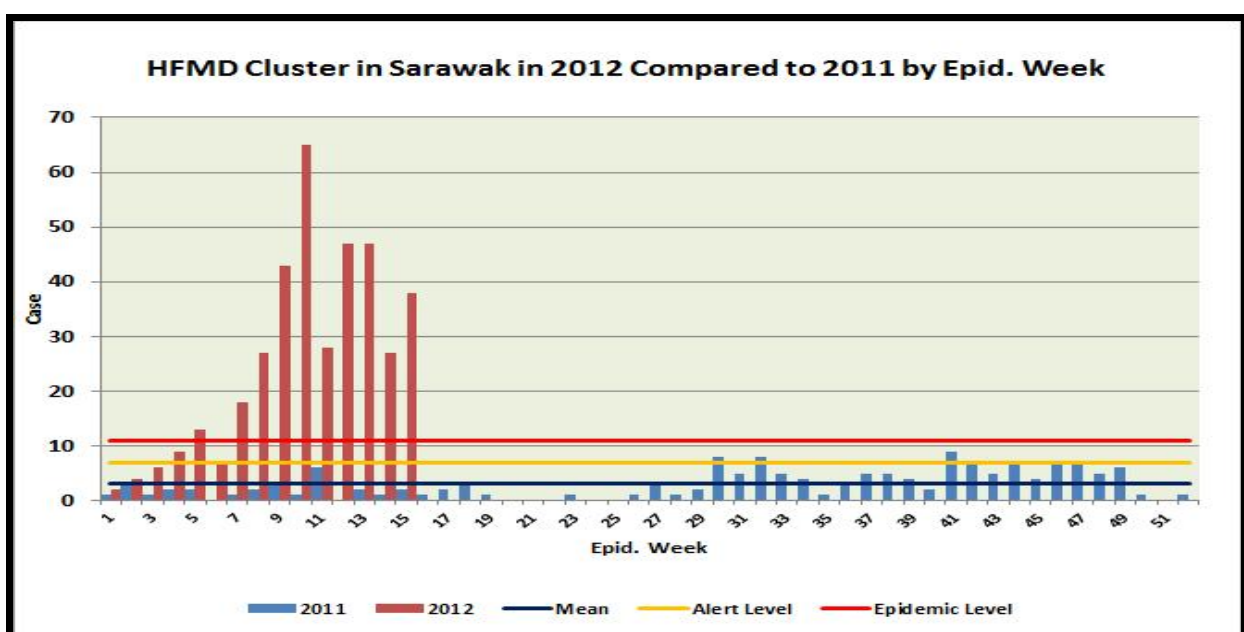
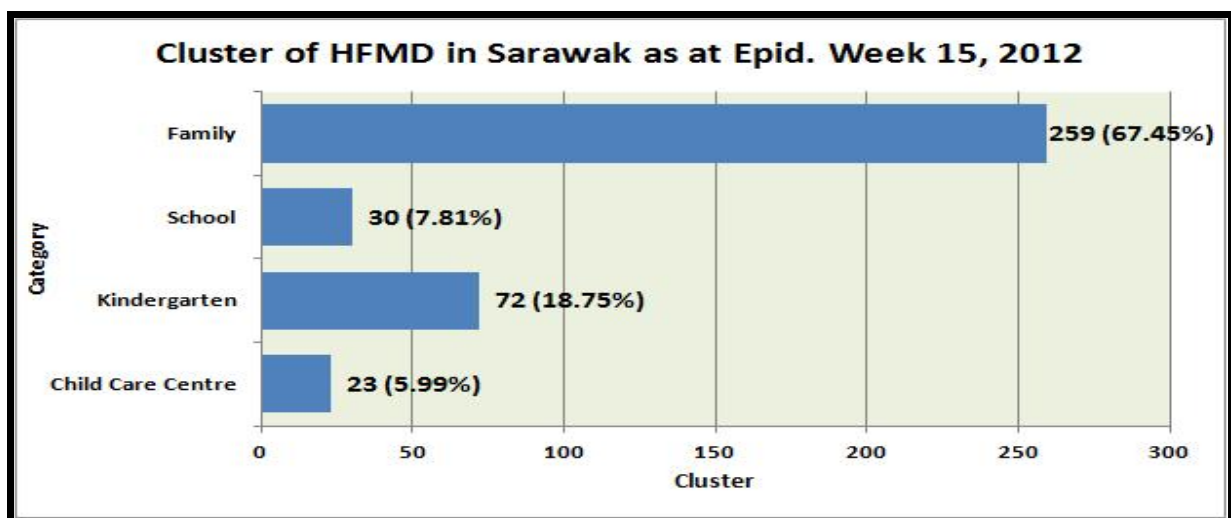
10.2.1 Comparison of total number of notified HFMD cases and registered HFMD cases in e-Notifikasi system by district as at 14th April 2012.

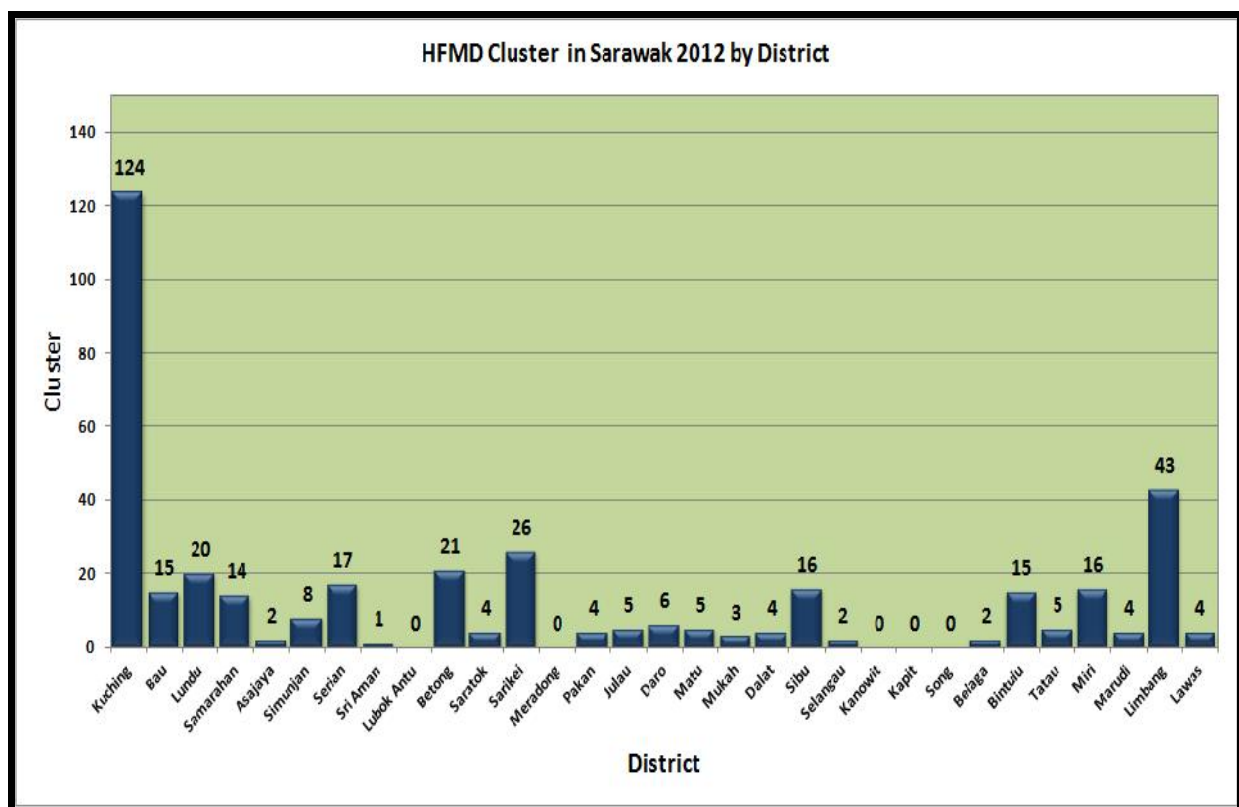
District	Masterlist		Registered Case		Back Log	
	EW 15	Total	EW 15	Total	EW 15	Total
Kuching	87	1511	45	1469	42	42
Bau	20	142	20	142	0	0
Lundu	12	100	11	99	1	1
KUCHING	119	1753	76	1710	43	43
Samarahan	26	284	6	264	20	20
Asajaya	3	44	3	44	0	0
Simunjan	5	58	0	42	5	16
Serian	9	151	6	148	3	3
SAMARAHAN	43	537	15	498	28	39
Sri Aman	18	181	16	179	2	2
Lubok Antu	13	34	10	31	3	3
SRI AMAN	31	215	26	210	5	5
Betong	15	183	4	172	11	11
Saratok	4	63	4	63	0	0
BETONG	19	246	8	235	11	11
Sarikei	12	159	0	144	12	15
Meradong	2	22	0	19	2	3
Pakan	2	46	2	46	0	0
Julau	3	48	0	45	3	3
SARIKEI	19	275	2	254	17	21
Daro	6	48	0	34	6	14
Matu	3	20	0	16	3	4
Mukah	6	58	4	56	2	2
Dalat	4	35	3	34	1	1
MUKAH	19	161	7	140	12	21
Sibu	15	167	15	167	0	0
Selangau	0	11	0	11	0	0
Kanowit	0	16	0	15	0	1
SIBU	15	194	15	193	0	1
Kapit	3	124	0	74	3	50
Song	2	11	2	11	0	0
Belaga	0	18	0	18	0	0
KAPIT	5	153	2	103	3	50
Bintulu	26	487	0	421	26	66
Tatau	5	66	0	55	5	11
BINTULU	31	553	0	476	31	77
Miri	28	327	0	286	28	41
Marudi	0	36	0	35	0	1
MIRI	28	363	0	321	28	42
Limbang	7	258	2	253	5	5
Lawas	2	53	0	29	2	24
LIMBANG	9	311	2	282	7	29
SARAWAK	338	4761	153	4422	185	339

10.2.2. Cumulative HFMD Clusters as of 14th April 2012.

A total of 38 HFMD clusters were reported in Epid. Week 15, 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) District. These clusters involving a total of 19 families, 5 preschools facilities, 2 primary schools and 1 child care centre.

As at 14th April 2012, a total of 384 clusters were reported. Of these, 259 (66.67%) were family clusters, 23 child care centres (5.99%), 72 kindergartens (18.75%) and 30 (7.81%) were primary schools.





10.3. Notified Leptospirosis cases for Epid. Week 15, 2012 compared to Epid.Week15, 2011 and cumulative cases till Epid.Week 15 in 2012.

District / Division	Case classification				Total		Total
	Confirmed		Probable		2012	2011	2010
	EW (15) 2012	EW (15) 2011	EW (15) 2012	EW (15) 2011			
Lundu	0	0	0	0	0	7	0
Bau	0	0	0	0	1	4 (1)	1
Kuching	0	0	1	0	7	40 (2)	12
KUCHING	0	0	1	0	8	51 (3)	13
Samarahan	0	0	0	0	0	3	1
Asajaya	0	0	0	0	0	3	0
Simunjan	0	1	0	0	1	8 (1)	1
Serian	0	1	0	0	0	10 (2)	2
SAMARAHAN	0	2	0	0	1	24 (2)	4
Sri Aman	0	0	0	0	3	13 (2)	1
Lubok Antu	0	0	0	0	6	11	3 (1)
SRI AMAN	0	0	0	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	0	0	0	0	2	3	0
SIBU	0	0	0	0	3	9	7
Song	0	0	0	0	0	1	2
Kapit	0	1	0	0	2	12	1
Belaga	0	0	0	0	0	7 (1)	0
KAPIT	0	1	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	0	3	1	0	35	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 15, 2011 compared to Epid. Week 15, 2011 and cumulative cases until Epid.Week 15, 2012.

District / Division	Case classification				Total		Total
	Confirmed		Probable		2012	2011	2010
	EW (15) 2012	EW (15) 2011	EW (15) 2012	EW (15) 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	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	0	1	0	21 (4)	28 (1)
KAPIT	0	1	0	1	2	84 (7)	197 (4)
Tatau	0	1(1)	0	1	0	4 (1)	14 (4)
Bintulu	0	0	0	1	0	6	49 (1)
BINTULU	0	1(1)	0	2	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	2(1)	0	3	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

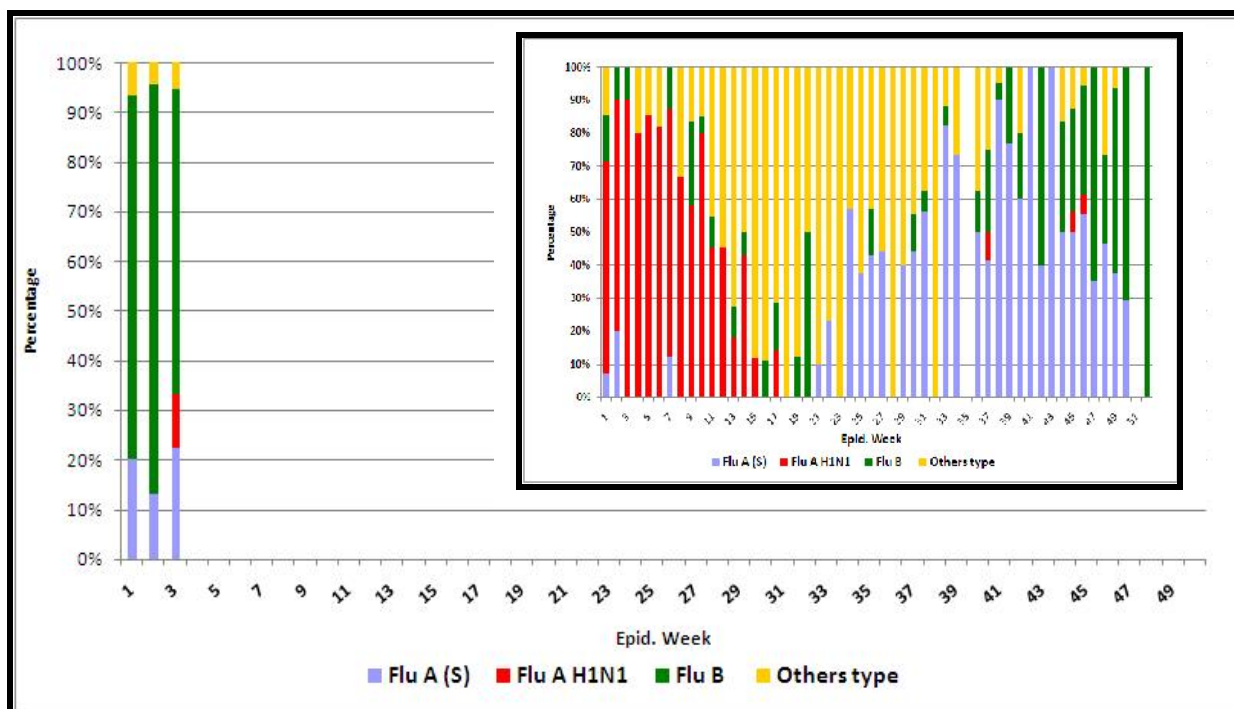
* SGH = Sarawak General Hospital

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 3, 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).

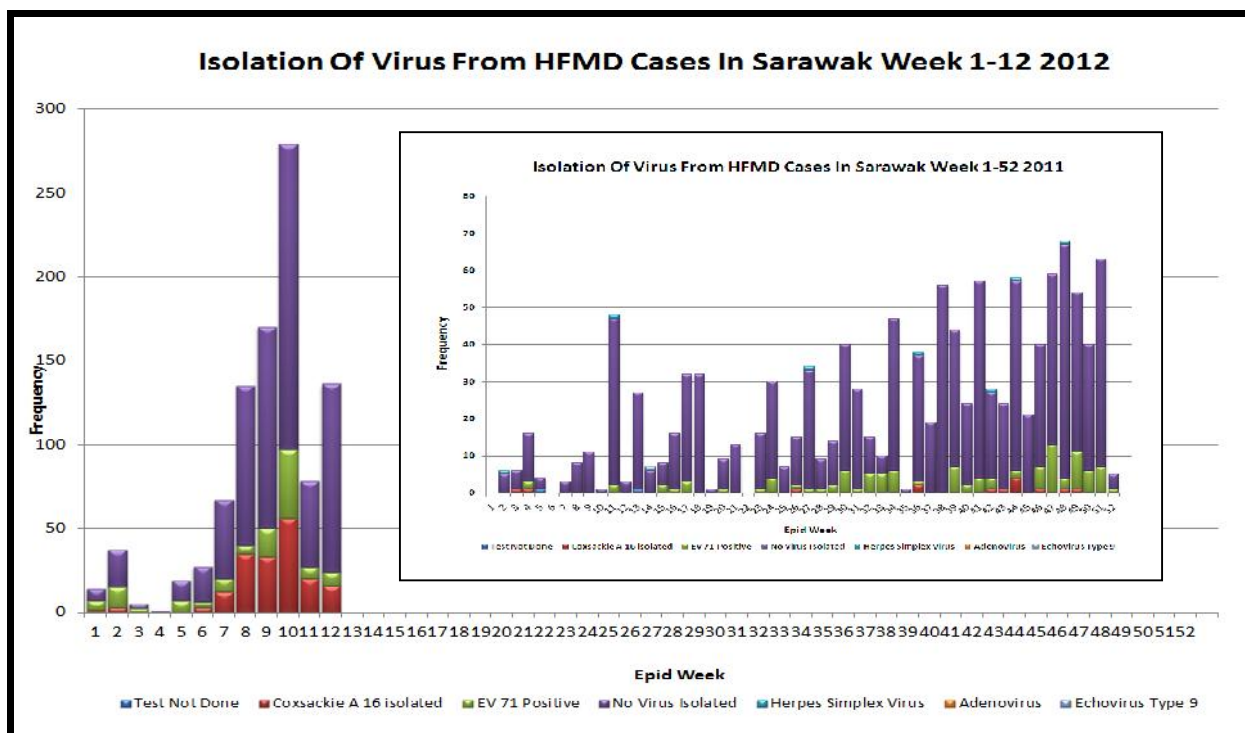
11.2. Laboratory Based Surveillance for Measles in Malaysia

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 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) District.

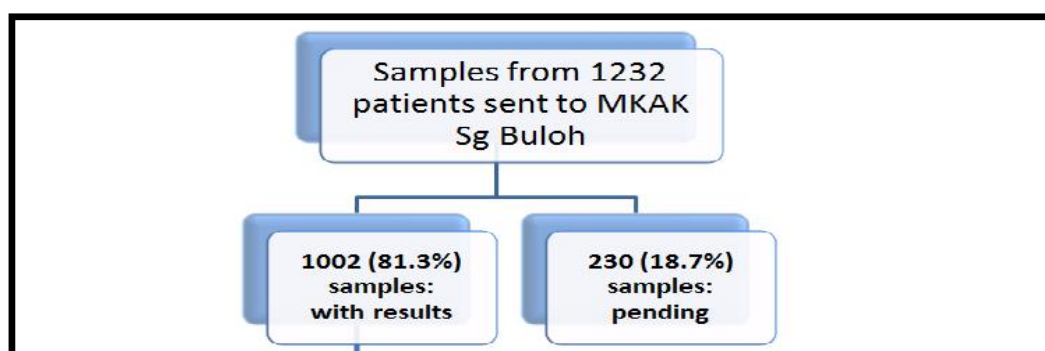
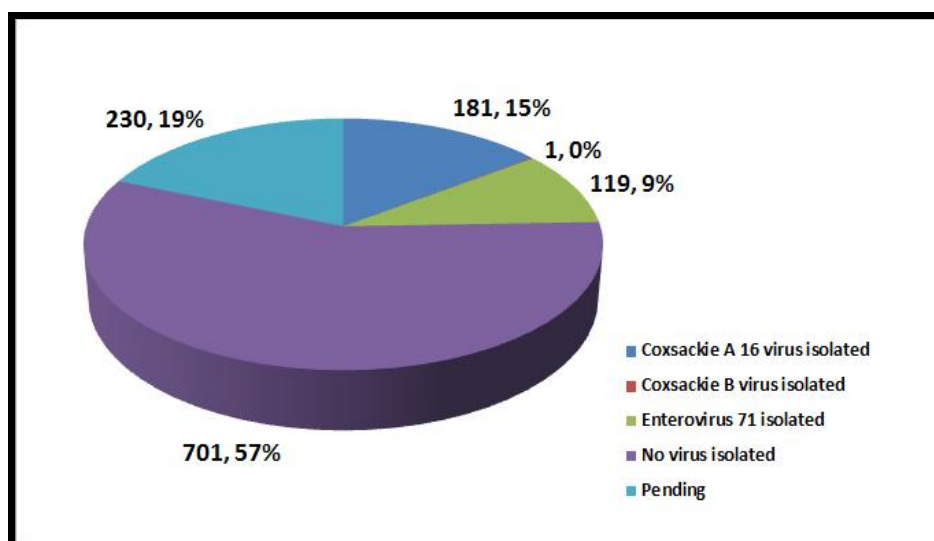
In 2011, Sarawak Health Department sent a total of 360 serum specimens for serology test to MKAK Sg. Buloh. Of these, 40 were positive for IgM Measles (with 6 equivocal) and 40 positive for Rubella (with 17 equivocal).

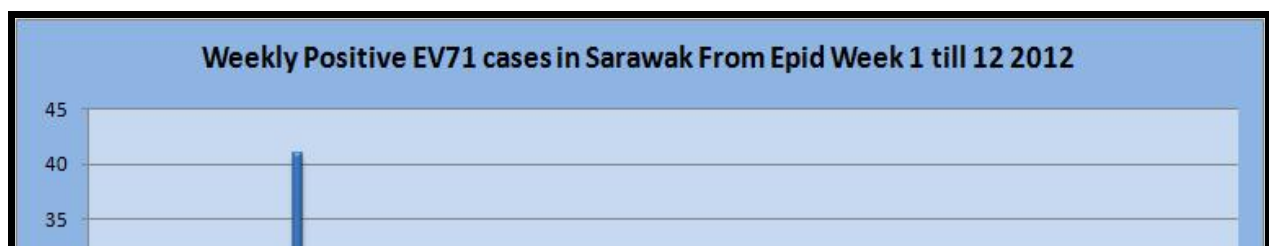
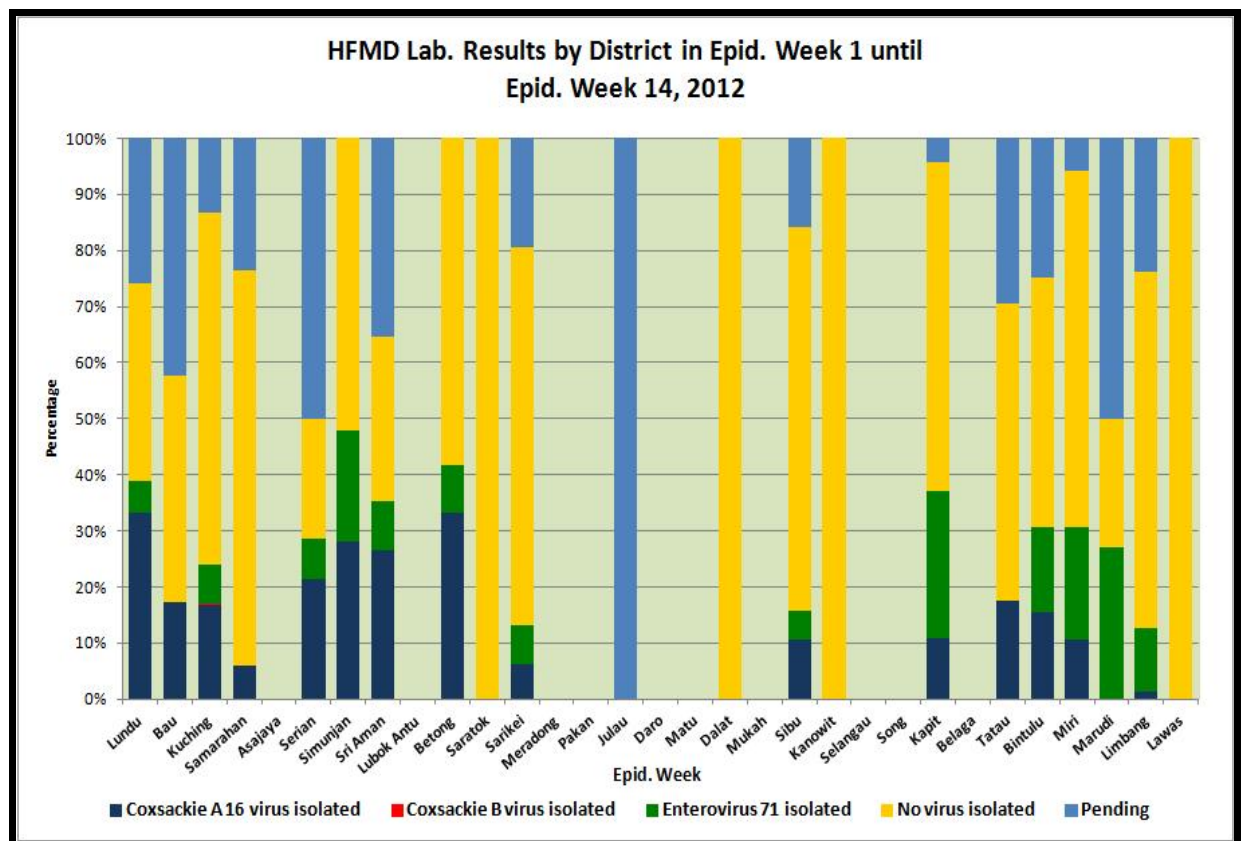
11.3. Laboratory Based Surveillance for HFMD in Sarawak from Epid Week 1 till Epid Week 10, 2012 compared to 2011 (insert).

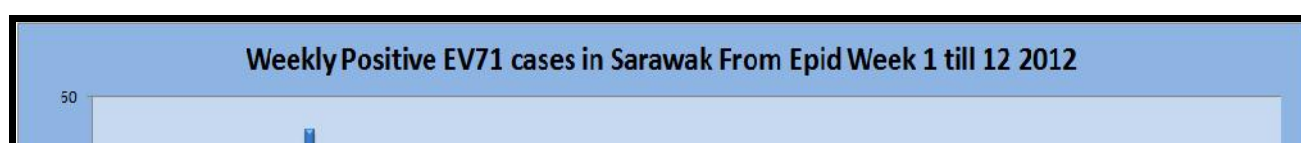
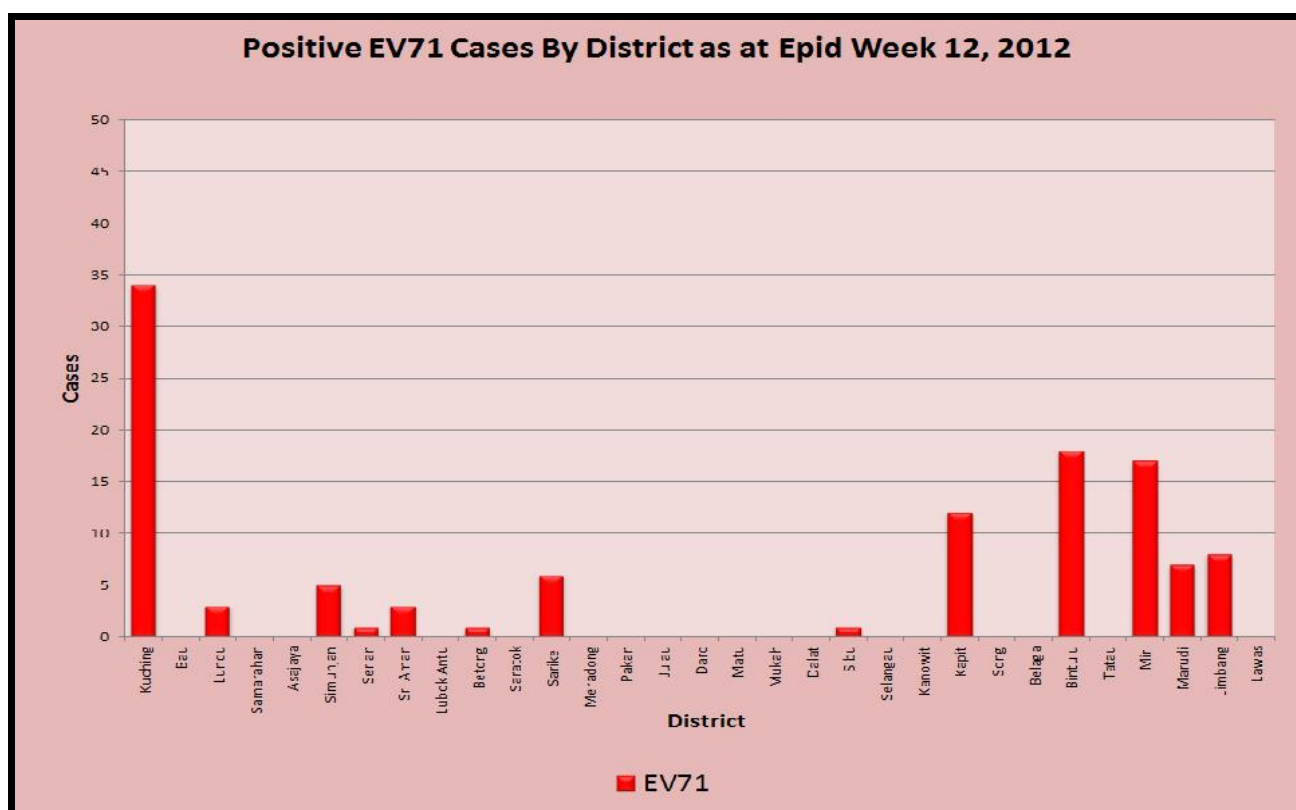


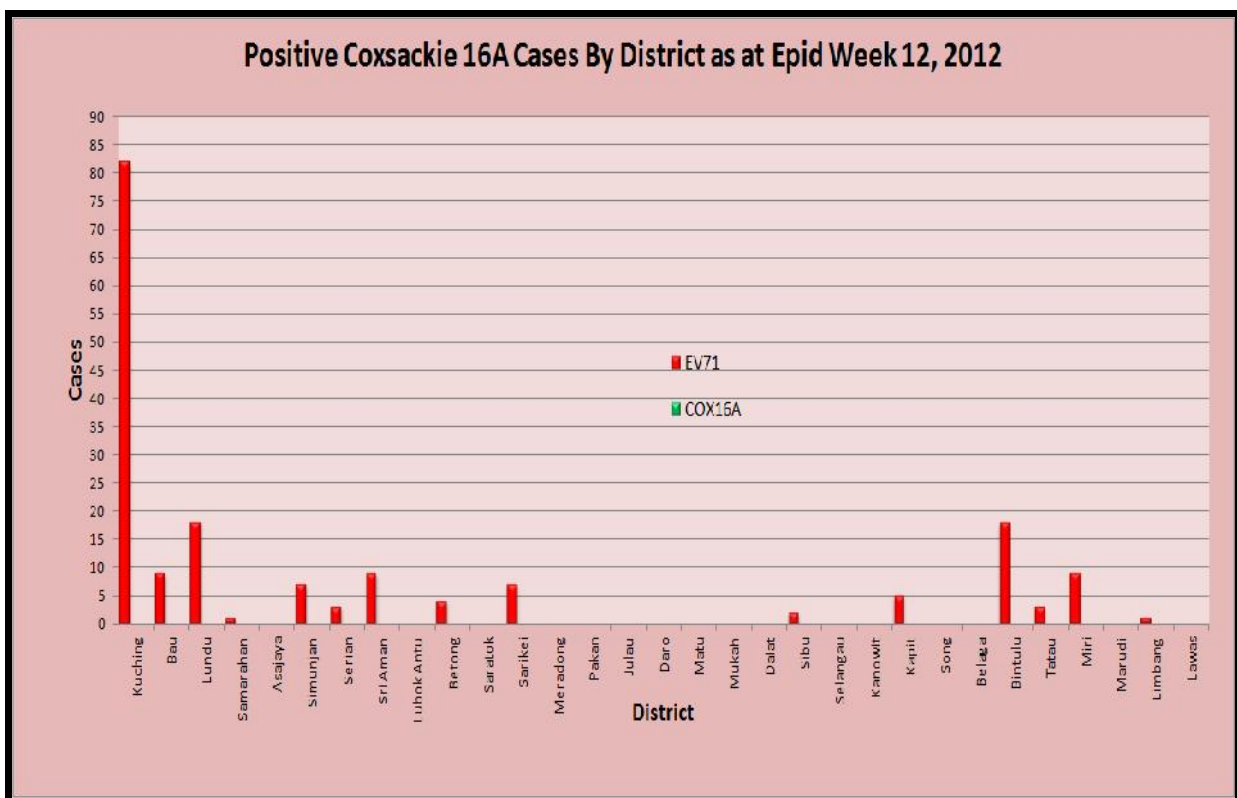
***results from EW 12, 2012 onwards are still pending**

As at 18th February, 2012, specimens from 1232 HFMD cases were sent to MKAK Sg. Buloh for viral isolation. Of these specimens isolated viruses: EV71 (119), Coxsackie A16 (181) and Coxsackie B16 (1). No viruses isolated in 349 specimens and another 306 specimens are still pending.









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			✓

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).

[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 14th 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 Sibul Dr. Muhamad Rais Abdullah	Pejabat Kesihatan Bahagian, Bahagian Sibul, 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.	ngياهو@srwk.moh.gov.my	Tel: 084-796404 Fax: 084-332502 Hp: 017-8030839
11	Pegawai Kesihatan Bahagian Bahagian Mukah Dr. Hj. Osman Haji. 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
	Pegawai Epidemiologi Bahagian Bahagian Miri Dr. Verolugah	Pejabat Kesihatan Bahagian, Bahagian Miri, Jalan Temenggong Oyong Lawai Jau, 98000 MIRI.	verolugah@yahoo.com	Tel: 086-424722 Fax: 086-429987 Hp: 019-6061847
	Pegawai Kesihatan Bahagian Bahagian Kuching Dr. Norlizaj	Pejabat Kesihatan Bahagian, Bahagian Kuching, Jalan Temenggong Oyong Lawai Jau, 93250 KUCHING.	norlizaj@srwk.moh.gov.my	Tel: 085-211046 Fax: 085-429987 Hp: 019-8163163

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Note:

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