



SARAWAK

WEEKLY EPID NEWS

Sarawak Health Department

WEEK 51

18th – 24th December. 2011

INFECTIOUS DISEASE/CRISIS HIGHLIGHTS IN SARAWAK

In. Epid. Week 51, 2011, Sarawak Health Department received report of two Malaria outbreaks at Marudi and Belaga district and one Dengue outbreak at Sri Aman district.

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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	Dengue	Sri Aman	Rh. Nyangak, Nanga Menjuau, Skrang	2	18.12.2011
2	Malaria	Marudi	Long Tap (2 nd Episode)	3	22.12.2011
3		Belaga	Long Ompah, Uma Badeng	2	22.12.2011

There were three outbreaks were reported in Epid. Week 51, 2011 to Sarawak Health Department.

3. MANDATORY NOTIFIABLE DISEASES REPORTED IN EPID. WEEK 51, 2011

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
Bau						2					2		1														
Kuching											3																7
Samarahan																											
Asajaya																											
Simunjan						1																					1
Serian											2																
Sri Aman						3							1														
L/ Antu													2														
Betong						1					1		2														
Saratok																											
Sarikei						2																					
Meradong						1																					
Pakan/Julau													2														
Daro																											
Matu													1														
Dalat																											
Mukah																											
Sibu						1							1														
Kanowit													3														
Selangau													1														
Song											1		2														
Kapit						2					11		6														2
Belaga													5														1
Tatau						1																					
Bintulu						1							1														
Miri						2					1		1														
Marudi													17														
Limbang													1														
Lawas						1																					
TOTAL (Week 51)	0/0	0	0	0	0	18	0	0	0	0	21	0	47	0	0	0	0	0	0	0	0	0	0	0	0	0	12
Total (2011)	156/79	0	0	252	0	958	9	0	1323	430	3091	20	1682	37	305	0	0	0	188	1	1707	6	0	137	21	0	155
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.

3.1. Surveillance report on food-water borne diseases

3.1.2. Summary of total number of food-water borne diseases in Sarawak from Epid. Week 1 till Epid. Week 51, 2011

Division	Food poisoning outbreak	Dysentery		Typhoid & paratyphoid fever		Cholera	Hepatitis A	
		S	C	S	C		S	C
Kuching	13	1	0	1	2	0	0	0
Samarahan	9	2	2	0	1	0	0	0
Sri Aman	0	0	0	0	2	0	0	0
Betong	5	0	0	0	0	0	0	0
Sarikei	3	3	0	0	0	0	0	0
Sibu	5	0	0	0	0	0	0	0
Kapit	6	3	0	0	0	0	0	0
Mukah	5	0	0	0	0	0	0	0
Bintulu	2	0	0	0	1	0	0	0
Miri	2	0	0	0	0	0	0	0
Limbang	5	0	0	0	0	252	0	0
Sarawak	55	9	2	1	6	252	0	0

3.1.3. Food Poisoning

No outbreak of food poisoning involving five cases was reported in Epid. Week 51, 2011.

The cumulative total of food poisoning cases until Epid. Week 51 were 1,323 cases that consist of 55 outbreaks. Out of 55 outbreaks, 26 (47.23%) involved schools (14 primary; 12 secondary).

3.1.4. Cholera

No case reported in Epid. Week 51, 2011.

The cumulative total of 252 cases was from Limbang. There were two outbreak localities at Limbang and Medamit in March 2011. DNA finger printing study showed the organisms were local origin.

3.1.5. Dysentery

No case reported in Epid. Week 51, 2011.

A cumulative total of nine suspected dysentery cases were reported until Epid. Week 51, 2011, but only two cases were confirmed to be *Amoebic dysentery* and *Shigellosis*. The others were negative for microbiology analyses.

3.1.6. Typhoid and paratyphoid fever

No case of typhoid and paratyphoid fever were reported in Epid. Week 51, 2011.

The cumulative total confirmed cases in year 2011 were six (three typhoid cases and three paratyphoid cases) which were confirmed by stool C&S (2) and blood C&S (4).

3.2. Surveillance report on vaccine preventable diseases

3.2.1. Summary of total number of Vaccine Preventable Diseases by division from Epid. Week 1 till Epid. Week 51, 2011

Division	Diphtheria		Measles				Polio		Tetanus		Pertussis		Hepatis B		Hepatis c	
	S	C	Suspected (registered case in SM2)	Confirmed			S	C	S	C	S	C	Acute	Chronic	Acute	Chronic
				Lab. Confirmed	Clinically Confirmed	Epid. Link										
KUCHING	0	0	80	5	1	0	0	0	0	1	29	5 (2 PCR, 3 Culture)	0	32 (Kch 26, Bau 3, Lundu 3)	2	21 (Kch-20, Bau - 1)
SAMARAHAN	0	0	17	4 (1 - Serian)	1 (Serian)	0	0	0	0	0	1	1 (PCR)	5	1	1 (Asajaya)	0
SRI AMAN	0	0	8	2	0	0	0	0	0	0	0	0	2	0	0	0
BETONG	0	0	1	0	0	0	0	0	0	0	0	0	0	2	1	0
SARIKEI	0	0	7	0	0	0	0	0	0	0	0	0	0	0	0	0
SIBU	0	0	2	0	0	0	0	0	0	0	1	1 (PCR)	1	0	0	0
KAPIT	0	0	19	8 (1 - Song)	0	7 (1 - Song)	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	0	0
BINTULU	0	0	8	2	0	0	0	0	0	0	0	0	3	0	0	0
MIRI	0	0	137	6	2	0	0	0	0	0	6	1 (Culture)	11	11	14 (Miri-13, Tatau - 1)	29
LIMBANG	0	0	37	6 (all - Lawas)	1 (Lawas)	1 (Lawas)	0	0	0	0	0	0	1	0	0	0
SARAWAK	0	0	316	33	5	8	0	0	0	0	37	7	23	46	18	50

Note: S = suspected; C = confirmed

3.2.2. Notified Vaccine Preventable Diseases in Epid. Week 51, 2011

Disease	District	Case (No.)	Locality	Age	Race	Gender	Case Summary
Measles	Miri	3	Kg Lusut Taman Tunku	8 m.o	Iban	Male	Case diagnosed on 19/12/11 & investigated on 20/12/11. Presented with fever on 8/12, rash on 17/12, cough and coryza. No contact with known measles case. Contacts: no symptoms. No history of travel outside the country. Specimen taken on 19/12/11.
			Police Complex	27 y.o	Iban	Female	Case diagnosed on 16/12/11, notified on 19/12/11 & investigated on 19/12/11. Presented with fever on 12/12/11, rash on 15/12/11 but no cough, coryza & conjunctivitis. Contacts: no symptom. No history of travel outside the country. History of measles vaccination. No specimen taken.
			Desa Pujut	2 y.o	Iban	Male	Case diagnosed on 18/12, notified on 18/12 & investigated on 20/12/11. Presented with fever on 12/12, rash on 16/12 & cough. No contact with known measles case. Contacts: no symptoms. No history of travel outside the country. Last dose of measles vaccine on 20/9/2010 at Klinik Cure & Core , Tmn Nusa Bistari Johor. The family moved back to Sarawak in 2011. Specimen taken on 19/12/11.
	Kuching	1	Kampung Semariang	1 y.o	Malay	Female	Case diagnosed on 16/12/11, notified on 19/12/11 & investigated on 20/12/11. Presented with fever on 14/12/11, rash on 15/12/11 and cough on 12/12/11. Contacts: no symptoms. No history of travel outside the country. No contact with known measles case. MMR vaccination on 19/9/2011. Specimen taken on 15/12/11.

3.2.3 Measles (data derived from SM2)

Four suspected measles case were reported in Epid. Week 51, 2011.

The cumulative total of suspected measles cases was 316. Of these, 33 cases were confirmed by laboratory and eight epidemiologically linked cases. Six cases were clinically confirmed.

3.2.3.1 Summary of clinically confirmed measles cases in Sarawak from Epid. Week 1 till Epid. Week 51, 2011

NO	Division	District	Address	Age (By Yr)	Gender	Race	Negeri Asal	Immunization Status	Remark
1	Miri	Marudi	Lot 214, Kampung Pemindahan Marudi	20yrs	Male	Malay	Sarawak	Not Sure	Sporadic
2	Limbang	Limbang	Tedung, Limbang	8mth	Girl	Orang Ulu	Sarawak	Not Eligible	Sporadic
3	Samarahan	Serian	Kampung Kakai, Serian	24yrs	Male	Malay	Sarawak	Not Sure	Sporadic
4	Kuching	Kuching	Marine Base Bintawa	3mth	Girl	Bajau	Sabah	Not Eligible	Sporadic
5	Miri	Miri	Hollystone Quarry, Miri	34yrs	Male	Iban	Sarawak	Not Given	Sporadic
6	Sarikei	Sarikei	Jln Century Sarikei	7 mth	Female		Sarawak	Not Eligible	Sporadic

Note: Clinically confirmed case is defined as a case with interval of fever and rash onset of 3 days or more; and with one of the 'c' i.e. cough, coryza or conjunctivitis

3.2.3.2 Summary of Epid. linked measles cases in Sarawak from Epid. Week 1 till Epid. Week 51, 2011

NO	District	Address	Age	Gender	Race	Immunization Status	Remark
1	Lawas	Ladang sawit Merapok, Lawas	3yrs	Male	Bugis (Indonesia)	Not given	
2	Kapit	Taman Chelsea Height, Jalan Selirik, Kapit	5yrs	Female	Iban	Given 1 dose	Epid.Link To Positive case of Taman Ixora, Kapit
3	Kapit	Taman Chelsea Height, Jalan Selirik, Kapit	19yrs	Female	Iban	Not sure	
4	Kapit	Taman Chelsea Height, Jalan Selirik, Kapit	4yrs	Female	Iban	Not given	
5	Kapit	Taman Chelsea Height, Jalan Selirik, Kapit	6yrs	Female	Iban	Given 1 dose	
6	Kapit	SK Nanga Balang, Kapit	1yr	Female	Malay	Not yet given	
7	Kapit	SK Nanga Balang, Kapit	30yrs	Male	Malay	Not given	
8	Song	Rh.Endah,Ng.Sepayang Tekalit, Song	21yrs	Female	Iban		

3.2.3.2 Summary of confirmed measles cases in Sarawak from Epid. Week 1 till Epid. Week 51, 2011

NO	Distrist	Address	Age	Gender	Race	Immunization Status	Remark
1	Serian	Kampung Mentu Tapu, Serian	3mth	Girl	Bidayuh	Not Eligible	Sporadic
2	Samarahan	3 WKSP Brigade, Kem Penrissen Batu 8 Jalan Kuching Serian	11mth	Girl	Malay	Not Eligible	Sporadic
3	Kuching	No.39, Lorong 3, Kitang Height, Jalan Kuching Bau, Kuching	1yr	Boy	Pakistani	Given 1 dose - post measles	Sporadic
4	Kuching	B4-1-3, Haatana Apartment Demak Laut, Jalan Bako, Kuching	5mth	Girl	Malay	Not Eligible	Sporadic
5	Miri	SPAD Ladang 2, Sg.Tangit, Bekenu Miri	7mth	Boy	Melanau	Not Eligible	Sporadic
6	Miri	S/L 1388-1390, Blok 3, MCLD Piasau Miri	39yrs	Male	Chinese	Unknown	Sporadic
7	Bintulu	Kuarters Pekerja Hup Sen Fertilizer, Kidurong Bintulu	9mth	Boy	Iban	Not Eligible	Sporadic
8	Kuching	No.11, Lorong 16, Blok C Kampung Haji Baki, Kuching	1yr	Girl	Malay	Given 1 dose	Vaccine Related - Onset 1 week after vaccination
9	Miri	RPR Jaya Taman Permai Miri	4mth	Female	Iban	Not Eligible	Sporadic
10	Kuching	No.17, Jalan Patinggi Ali Barat, Kampung No.4, Jalan Abell,	27yrs	Female	Indonesian	Unknown	Coming to Kuching to visit relatives
11	Kuching	No.222, Lot 2574, Lorong B3, Kampung Tunku Kuching	8mth	Girl	Melayu	Not Eligible	Sporadic
12	Samarahan	Kem Penrissen Batu Lapan, Jalan Kuching Serian	5yrs	Boy	Iban	Not Sure-Can't Find U-7 card	Sporadic
13	Miri	Shoplot CM2, Jalan Kwan Tung Miri	1yr	Girl	Iban	Not yet given	Sporadic
14	Lawas	Ladang Sawit Merapok	2yrs	Boy	Indonesian	No Immunization	Cluster
15	Lawas	Ladang Sawit Merapok	22yrs	Female	Indonesian	No Immunization	Cluster
16	Lawas	Ladang Sawit Merapok	4yrs	Boy	Indonesian	No Immunization	Cluster
17	Lawas	Ladang Sawit Merapok	2yrs	Boy	Indonesian	No Immunization	Cluster
18	Lawas	Ladang Sawit Merapok	10mth	Male	Indonesian	No Immunization	Cluster
19	Samarahan	Kpg Kuap Mealyu, Samarahan	28yrs	Male	Malay	Unknown	Sporadic
20	Kuching	No.237, lot 2221, Lorong Sungai Maong 5, Green Road, Kuching	1yr	Boy	Chinese	? Not Given YET	Sporadic
21	Kapit	Rh.Ajai,Sg.Kapit, Kapit	30yrs	Male	Iban	Not given	Case not notify. Blood sample taken in Sibu
22	Kapit	Taman Ixora Jalan Selirik, Kapit	26yrs	Female	Iban	Not sure	Cluster
23	Kapit	Taman Ixora Jalan Selirik, Kapit	11mth	Girl	Iban	Not eligible	Cluster
24	Kapit	Jalan Airport Kapit	6yrs	Boy	Iban	Not given - parent strongly refused	Cluster
25	Kapit	SK Nanga Balang Gaat,Kapit	29yrs	Female	Malay	Not Sure	Cluster
26	Kapit	Rh John Sg. Sesibau, Kapit	9mth	Boy	Iban	Not Eligible	Cluster
27	Song	Rh.Endah,Ng.Sepayang Tekalit, Song	28days	Male	Iban	Not Eligible	Cluster
28	Sri Aman	Kem Balak Aping, Sri Aman	4yrs	Girl	Malay	Not given	Imported from Kuching
29	Bintulu	Lot 110, Sample Park, Bintulu (Masling Drive, Singapore)	1yr	Girl	Chinese	Not given	Imported from Singapore
30	Sri Aman	Kem Balak Aping, Sri Aman	2yrs	Girl	Malay	Not given	Imported from Kuching
31	Miri	Desa Murni, Permyjaya, Miri	11mth	Boy	Iban	Not Eligible	Sporadic
32	Miri	S.O.P. No.211, Lambir Bintulu	3yrs+	Boy	Indonesian	Not given	Sporadic
33	Lawas		3yrs+	Girl			Case not notify. Serology Result from MKAK
34	Sri Aman	Taman Sri Jaya, Sri Aman					Vaccine related - Received MMR Vaccination on 31/10/11. Fver and rash onset 0n 11/11/2011
35	Kapit	Rh. Gawan, Lepong Balleh, Kapit	10mth	Boy	Iban	Not Eligible	Sporadic

3.2.4. Pertussis

No case of suspected pertussis was reported in Epid. Week 51, 2011.

Out of the cumulative total of 33 suspected pertussis cases reported in 2011, four cases were confirmed by culture (SGH Kuching: 3; Miri: 1) and four cases confirmed by PCR.

3.2.4.1. Summary of confirmed pertussis cases from Epid. Week 1 until Epid. Week 51, 2011

No	Division	District	Address	Age (By Month)	Age (By Day)	Gender	Race	PCR Result	Blood Culture Result	Immunization Status			Remark
										1st.Dose	2nd.Dose	3rd.Dose	
1	KUCHING	KUCHING	Rh.Sewa, jalan Malindor, Before SMK Tun Openg, Bintawa Kuching	5		Male	Malay		Positive	22/12/11	24/01/11	23/02/11	Received 3rd dose after diagnosis
2	KUCHING	KUCHING	7G, Kampung Segubang, Batu Kawa, Kuching	1		Male	Bidayuh		Positive	Not Eligible			
3	MIRI	MIRI	Sanchiew Plantation Niah, Miri	2		Male	Malay		Positive	Not Eligible			
4	KUCHING	KUCHING	No.94, Kampung Kudei, Jalan Rubber, Kuching	1		Male	Malay		Positive	Not Eligible			
5	SIBU	SIBU	Kuarters Kelab Golf Sibu, Blok 2, Batu 101/2 Jalan Oya, Sibu	5		Male	Malay	Positive		16/03/11	13/04/11	14/06/11	
6	SAMARAHAN	SAMARAHAN	No.5611, Lot 37, Phase 20, Taman Desa Ilmu Kota Samarahan	2		Male	Malay	Positive		13/07/11			
7	KUCHING	KUCHING	Kampung Sibobok Bau		21	Female	Bidayuh	Positive		Not Eligible			
8	KUCHING	KUCHING	Lot 2707, Jalan Sg.Apong,Kuching	3		Female	Malay	Positive		9/12/2011			Onset 21 days after 1st.Dtap

3.2.5. Tetanus

No case reported in Epid. Week 51, 2011.

The cumulative total of confirmed tetanus case is remained as one. The patient was a 77 years old Chinese man from Kuching district.

3.2.6. Viral Hepatitis

No case of Hepatitis B or Hepatitis C was reported in Epid. Week 51, 2011.

The cumulative total of viral hepatitis cases were 137. Of these, 69 cases were Hepatitis B where 23 were acute and 46 were chronic. Another 68 cases were Hepatitis C where 18 cases were acute and 50 were chronic.

3.3. Surveillance report on HIV/AIDS and STI

3.3.1. HIV/AIDS

No HIV or AIDS case was reported in Epid. Week 51, 2011.

The cumulative total HIV cases were remained 156 and all were adults. The cumulative total AIDS cases were remained as 79.

3.3.2. Gonorrhoea

No gonorrhoea case was reported in Epid. Week 51, 2011.

Out of the cumulative total of 430 cases reported, 428 were adults and only two cases confirmed as gonococcal neonatorum.

3.3.3. Syphilis

No syphilis case was reported in Epid. Week 51, 2011.

The cumulative total of syphilis cases were 188.

3.4. Surveillance Report on TB and leprosy

3.4.1. Tuberculosis (all forms)

As on 17th December 2011 a cumulative total of 1,707 cases were reported. Out of 1,707 cases reported in 2011, about 5.0% are foreigners. Ten cases were among healthcare workers.

In 2010, the total number of cases was 1,987.

3.4.2. Leprosy

As of 31st October 2011, a cumulative total of 25 leprosy cases reported. One case is a foreigner and 24 are locals. All cases were detected through active case detection (ACD).

3.5. Surveillance Report on other infectious diseases

3.5.1. Viral Encephalitis

No viral encephalitis was reported in Epid. Week 51, 2011.

The cumulative total of viral encephalitis is 21. Of these, nine cases were confirmed *Japanese encephalitis*.

3.6. Other infectious diseases

3.6.1. Filariasis

No case of filariasis was reported in Epid. Week 51, 2011.

The cumulative total cases of filariasis up to Epid. Week 51 were ten.

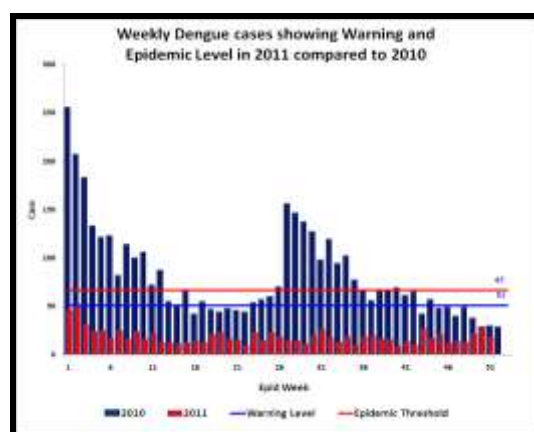
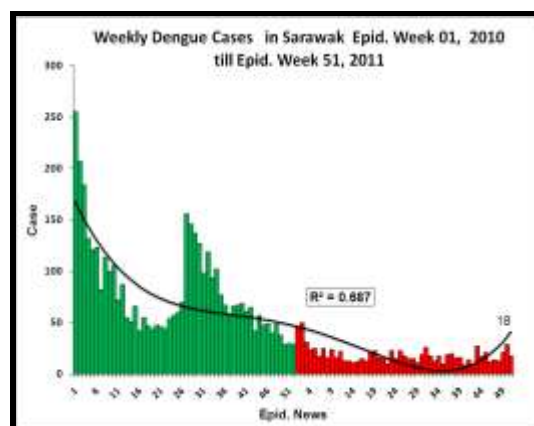
Note: Vector borne diseases and emerging and re-emerging infectious diseases will be discussed in their respective chapter.

4. VECTOR BORNE DISEASES: DENGUE, MALARIA AND CHIKUNGUNYA

4.1. Notified Dengue cases for Epid. Week 51, 2011 compared to Epid. Week 51, 2010 and cumulative cases till Epid. Week 51 in 2010.

District	2011		2010		Total
	EW 51	Cum.	EW 51	Cum.	
Lundu	0	10	0	69	69
Bau	2	34	0	122	123
Kuching	0	104	4	472	473
Samarahan	0	21	1	95	97
Asajaya	0	4	0	10	10
Serian	0	18	0	138	140
Simunjan	1	18	2	47	47
Sri Aman	3	56	0	94	96
Lubok Antu	0	23	0	51	53
Betong	1	13	0	27	30
Saratok	0	10	0	20	20
Sarikei	2	28	0	91	91
Meradong	1	14	0	53	53
Pakan	0	23	1	30	30
Julau	0	17	0	19	20
Daro	0	6	2	95	95
Matu	0	1	0	25	25
Dalat	0	3	0	14	14
Mukah	0	5	1	39	39
Sibu	1	75	5	1012	1021
Kanowit	0	31	0	64	64
Selangau	0	10	1	32	32
Song	0	10	0	16	16
Kapit	2	30	0	158	158
Belaga	0	26	2	39	39
Tatau	1	47	1	39	40
Bintulu	1	100	1	237	237
Miri	2	127	7	813	816
Marudi	0	59	1	126	126
Limbang	0	20	1	131	131
Lawas	1	15	0	33	35
Sarawak	18	958	30	4211	4240

EW = Epid. Week



A total of 18 dengue cases were reported in Epid. Week 51, 2011 compared to 30 cases during the same period in 2010.

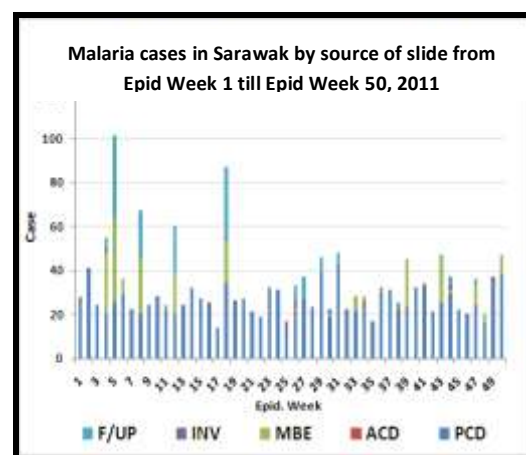
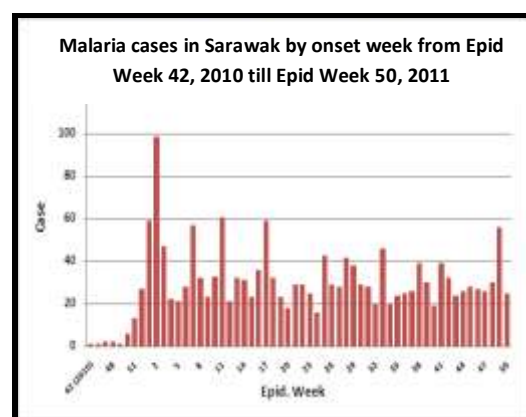
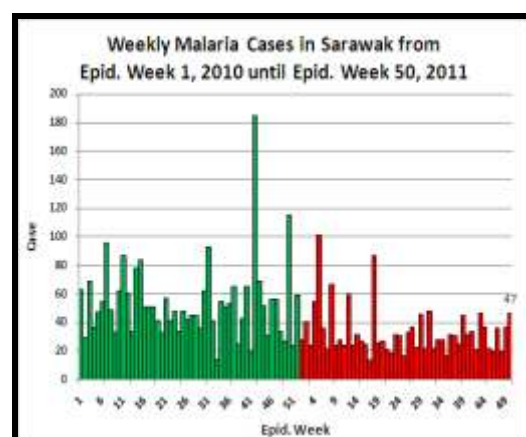
Three outbreak localities were still active i.e. in Marudi, Tatau and Sri Aman.

The top five districts with the highest number of reported cases were:

1. Miri
2. Kuching
3. Bintulu
4. Sibu
5. Marudi

4.2. Notified Malaria cases for Epid. Week 50, 2011 compared to Epid. Week 50, 2010 and cumulative cases till Epid. Week 50 in 2011.

District	2011		2010		Total
	EW 50	Cum.	EW 50	Cum.	
Lundu	0	31	0	71	72
Bau	1	5	0	9	9
Kuching	0	23	1	26	27
Samarahan	0	3	0	1	2
Asajaya	0	1	0	0	0
Serian	0	21	0	58	58
Simunjan	0	2	0	17	17
Sri Aman	1	16	2	23	25
Lubok Antu	2	24	0	16	16
Betong	2	43	0	11	15
Saratok	0	3	0	4	4
Sarikei	0	16	0	8	8
Meradong	0	9	0	3	3
Pakan	1	28	0	14	14
Julau	1	65	0	29	34
Daro	0	2	0	0	1
Matu	1	2	0	1	1
Dalat	0	9	0	13	14
Mukah	0	2	0	6	6
Sibu	1	45	1	41	43
Kanowit	3	85	0	63	65
Selangau	1	16	0	9	9
Song	2	75	0	45	46
Kapit	6	214	5	132	134
Belaga	5	133	0	287	300
Tatau	0	29	0	12	12
Bintulu	1	39	0	34	39
Miri	1	39	0	29	32
Marudi	17	652	106	1696	1734
Limbang	1	21	0	28	29
Lawas	0	29	0	33	33
Sarawak	47	1682	115	2719	2802



A total of 47 cases were reported in Epid. Week 50, 2011. The cumulative cases till Epid. Week 50 was 1682 cases. Of the 1682 cases, 652 cases (39%) from Marudi District, 214 cases (13%) from Kapit District and 133 cases (8%) from Belaga District.

Notes: 1) EW = Epid. Week; 2) All Malaria cases should be notified within 24 hours (Source: Vector Borne Disease Control Section, Sarawak Health Department)

4.2.1. Case detected by slide source

Slides source	Epid. Week 50	Epid. Week 1 – Epid. Week 50
Passive Case Detection (PCD)	38	1266
Active Case Detection (ACD)	0	16
Investigation slides (INV)	0	17
Mass Blood Survey (MBS)	9	221
Follow-up	0	162
Total	47	1682

4.2.2. Case by species

Species	Epid. Week 50	Epid. Week 1 – Epid. Week 50
<i>Plasmodium vivax</i>	22	920
<i>Plasmodium falciparum</i>	3	90
<i>Plasmodium malariae</i>	4	307
<i>Plasmodium knowlesi</i>	18	359
<i>Plasmodium ovale</i>	0	1
Mixed infection	0	5
Total	47	1682

4.2.3. Case classification

Classification	Epid. Week 50	Epid. Week 1 – Epid. Week 50
Indigenous	40	1454
*Imported A	7	226
Relapsed	0	1
Congenital	0	1
Total	47	1682

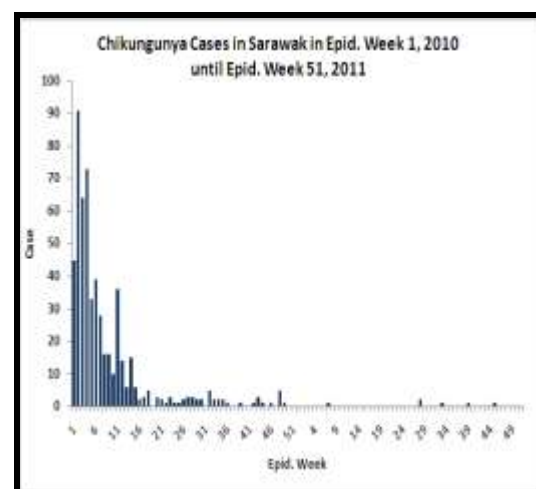
4.2.4. The summary of the *Imported A cases

No.	District reported	Source of infection	Nationality	Age	Gender	Address in Sarawak	Species
1	Marudi	Pontianak, Indonesia	Malaysia	40	Male	Long Jeeh, Marudi	<i>P. vivax</i>
2	Miri	Congo, Africa	Malaysia	27	Male	Taman Desa Senadin, Baram, Miri	<i>P. falciparum</i>
3	Bau	Bangkayan, Indonesia	Malaysia	21	Male	Kg. Bogak, Krokong, Bau	<i>P. falciparum</i>
4	Daro	KKB Amanad, Papua New Guinea	Malaysia	41	Male	Sungai Passin, Matu, Daro	<i>P. vivax</i>
5	Bintulu	Punj & Lloyd (Bombay Branch) India	Indian	45	Male	Punj & Lloyd, Bintulu	<i>P. vivax</i>
6	Kapit	KKB Barama Company Limited, South Africa	Malaysia	48	Male	Tatai Ruai, Kapit	<i>P. vivax</i>
7	Sibu	KKB Taman Industries Limited, Congo Africa	Malaysia	39	Male	Lorong Lanang Barat 32, Sibu	<i>P. malariae</i>

4.3. Notified Chikungunya cases for Epid. Week 51, 2011 compared to Epid. Week 51, 2010 and cumulative cases till Epid. Week 51 in 2010.

District	2011		2010		
	EW 51	Cum.	EW 51	Cum.	Total
Lundu	0	0	0	1	1
Bau	0	0	0	13	13
Kuching	0	1	0	72	72
Samarahan	0	0	0	3	3
Asajaya	0	1	0	1	1
Serian	0	1	0	15	15
Simunjan	0	0	0	17	17
Sri Aman	0	0	0	26	26
Lubok Antu	0	0	0	16	16
Betong	0	1	0	13	13
Saratok	0	0	0	8	8
Sarikei	0	0	0	7	7
Meradong	0	0	0	25	25
Pakan	0	0	0	10	10
Julau	0	0	0	22	22
Daro	0	1	0	21	21
Matu	0	0	0	0	0
Dalat	0	0	0	9	9
Mukah	0	0	0	12	12
Sibu	0	0	0	45	45
Kanowit	0	0	0	1	1
Selangau	0	0	0	0	0
Song	0	0	0	5	5
Kapit	0	0	0	67	67
Belaga	0	0	0	78	78
Tatau	0	0	0	6	6
Bintulu	0	0	0	44	44
Miri	0	0	0	13	13
Marudi	0	1	0	0	0
Limbang	0	0	0	0	0
Lawas	0	0	0	0	0
Sarawak	0	6	0	550	550

EW = Epid Week



No case of chikungunya was reported in Epid. Week 51, 2011. The cumulative total of Chikungunya case in 2011 is remained as six.

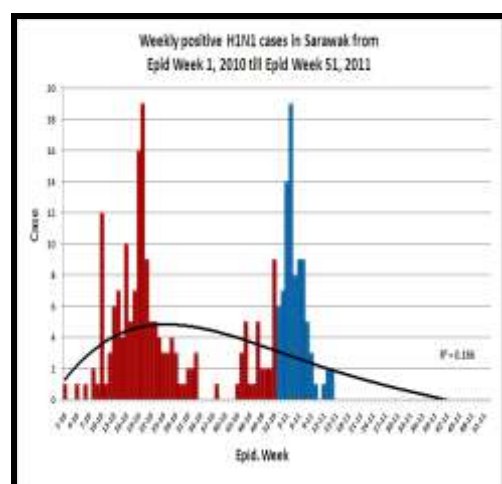
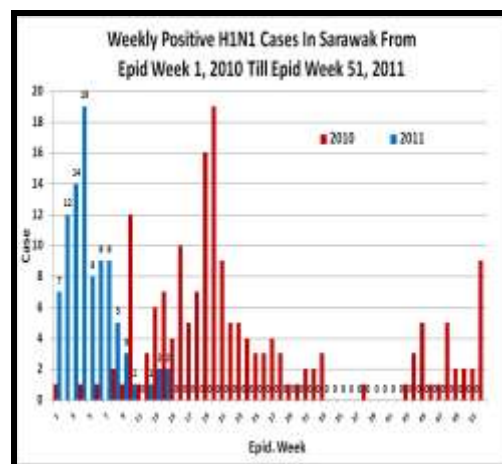
5. EMERGING/RE-EMERGING INFECTIOUS AND ZOO NOTIC DISEASES

5.1. H1N1

5.1.1 Positive Pandemic Influenza A (H1N1) cases for Epid. Week 51, 2011 compared to Epid. Week 51, 2010 and cumulative cases till Epid. Week 51 in 2011.

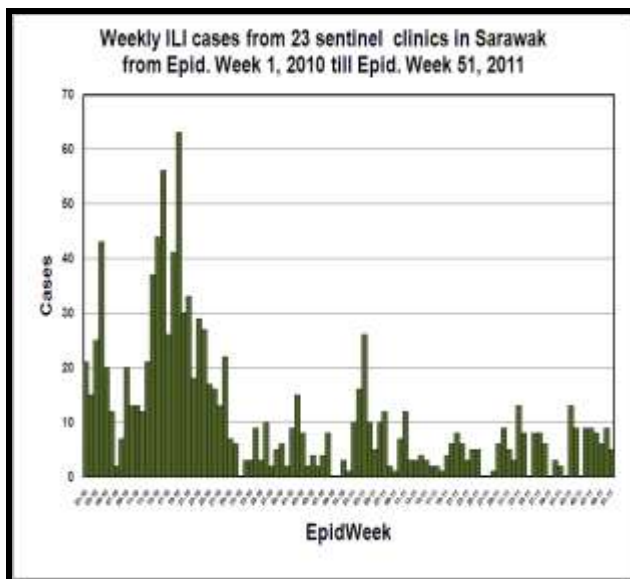
District	2011		2010		
	EW 51	Cum.	EW 51	Cum.	Total
Lundu	0	1	0	9	9
Bau	0	0	0	1	1
Kuching	0	51	1	57	61
Samarahan	0	0	0	8	8
Simunjan	0	0	0	3	4
Serian	0	0	0	2	2
Sri Aman	0	0	0	4	4
Lubok Antu	0	0	0	0	0
Betong	0	1	0	0	0
Saratok	0	0	0	0	0
Sarikei	0	0	0	2	2
Meradong	0	0	0	0	0
Julau	0	0	0	0	0
Daro	0	0	0	0	0
Dalat	0	0	0	0	0
Mukah	0	0	0	0	0
Sibu	0	1	0	19	19
Kanowit	0	0	0	1	1
Song	0	0	0	0	0
Kapit	0	1	0	1	1
Belaga	0	1	0	0	0
Tatau	0	0	0	0	0
Bintulu	0	27	0	17	19
Miri	0	6	0	7	7
Marudi	0	0	0	1	1
Limbang	0	2	0	20	20
Lawas	0	1	0	2	2
TOTAL	0	92	1	154	161

EW = Epid. Week



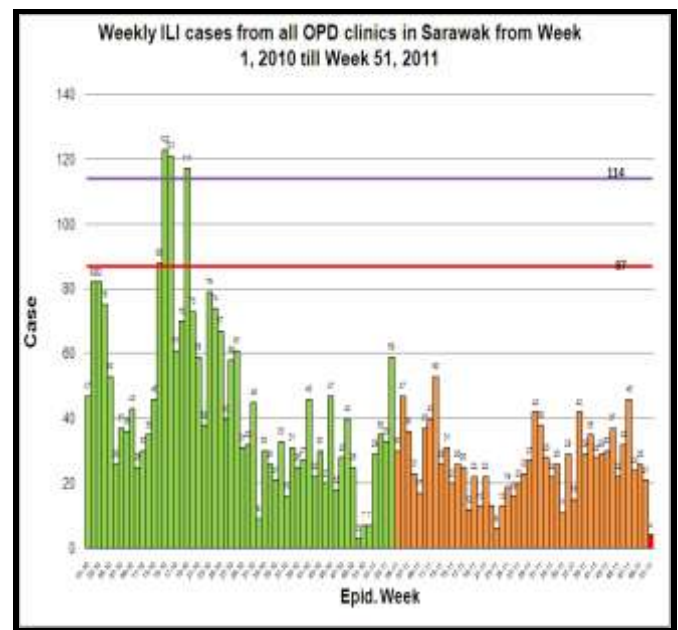
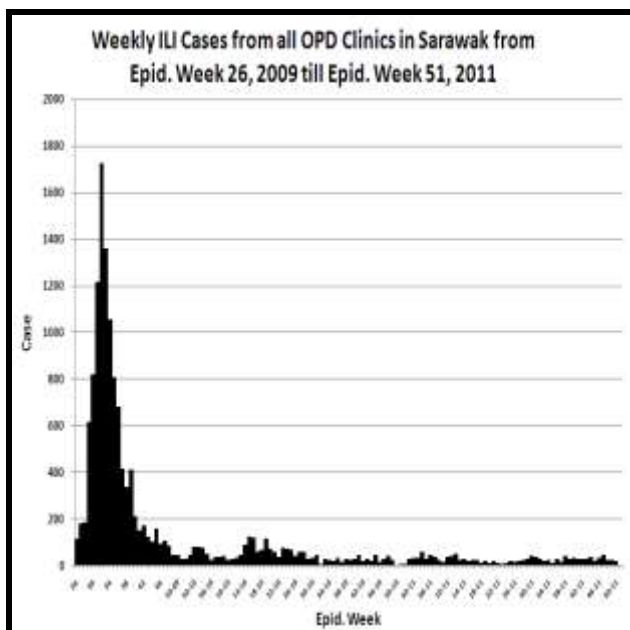
No H1N1 positive case was reported in Epid. Week 51, 2011. The cumulative total cases in 2011 were 92 cases.

5.1.2 Outpatient Influenza-Like Illness (ILI) Surveillance from Epid. Week 1 in 2010 till Epid. Week 51 in 2011.



In Epid. Week 51, 2011, five ILI cases were reported from 23 Sentinel clinics and all OPD clinics.

ILI is defined as a person with sudden onset of fever $> 38^{\circ}\text{C}$ 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 H1N1 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**.

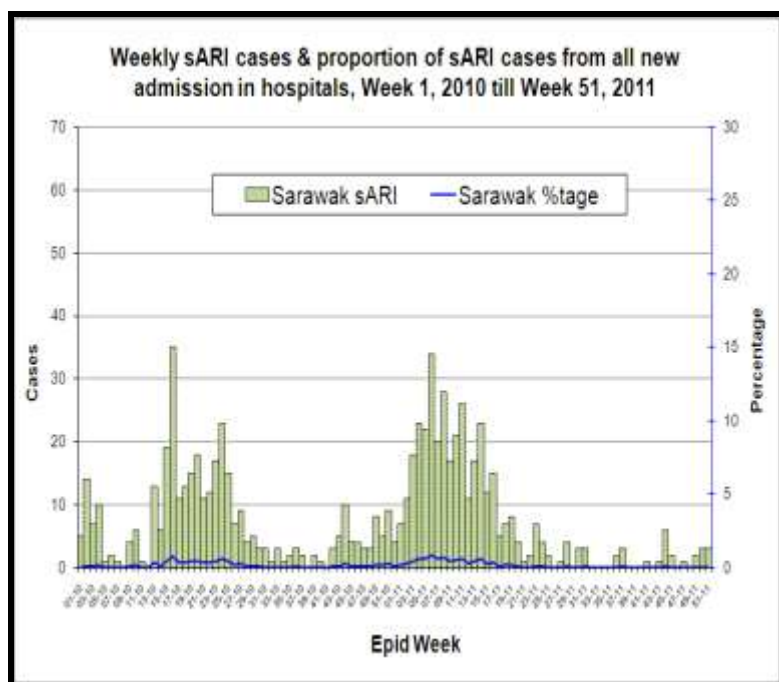
5.1.3. New and Cumulative ILI Clusters as of 24th December 2011.

Division	New Cluster (No)	Positive	Negative	Cumulative
Kuching	0	13	3	16
Samarahan	0	0	0	0
Sri Aman	0	0	0	0
Betong	0	0	0	0
Sarikei	0	0	1	1
Sibu	0	0	0	0
Kapit	0	0	0	0
Bintulu	0	0	2	2
Miri	0	1	0	1
Limbang	0	**1	0	1
TOTAL	0	15	6	21

Note: 1. First cluster in 2011 was detected on 31/12/2010 and the latest was on 03/11/2011.

**** positive Influenza A (seasonal)**

5.1.4. Severe Acute Respiratory (sARI) Infection Cases



sARI is suspected when:

1. meets ILI case definition (sudden onset of fever > 38°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)

5.1.5. Weekly Summary Report on sARI Admission in Government Hospitals in Sarawak as at 24th December 2011.

Division	Hospital	New EW 51	Cumulative 2011	No. of Inpatient			No. of Patient on Ventilator	Throat swabs		
				ICU	ISO	Other wards		Positive	Pending	Negative
Kuching	SGH Kuching	1	172	0	0	1	0	0	0	1
	Bau	0	0	0	0	0	0	0	0	0
	Lundu	0	19	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	1	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	10	0	0	0	0	0	0	0
Sibu	Sibu	0	2	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	2	253	0	0	2	0	0	2	0
Miri	Miri	0	16	0	0	0	0	0	0	0
	Marudi	0	0	0	0	0	0	0	0	0
Limbang	Limbang	0	6	0	0	0	0	0	0	0
	Lawas	0	0	0	0	0	0	0	0	0
Total		3	479	0	0	3	0	0	2	1

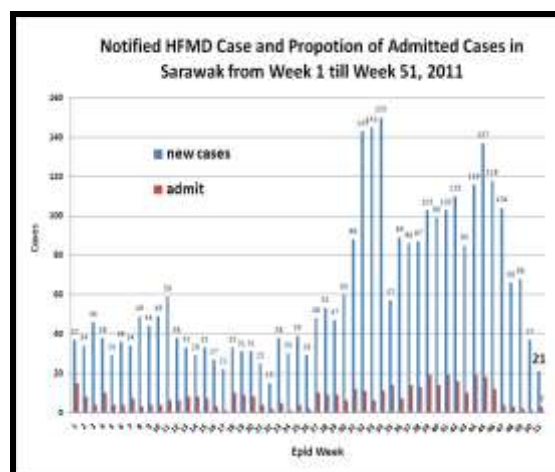
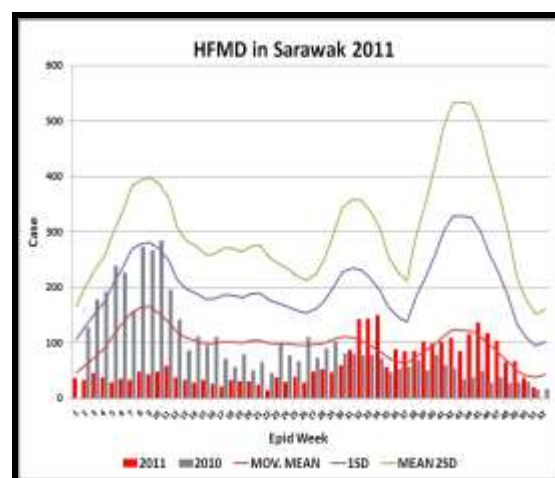
EW = Epid. Week

Three sARI cases were reported in Epid. Week 51, 2011 from SGH Kuching(1) and Bintulu (2) Hospital. The sARI case from SGH Kuching was negative for Influenza AH1N1 and the results for Bintulu are still pending.

5.2. Notified HFMD (masterlist) cases for Epid. Week 51, 2011 compared to Epid. Week 51, 2010 and cumulative cases till Epid. Week 51 in 2011.

District	2011		2010		Total 2010
	EW 51	Cum.	EW 51	Cum.	
Kuching	3	596	1	959	961
Bau	2	146	0	209	209
Lundu	0	29	1	85	86
KUCHING	5	771	2	1253	1256
Samarahan	0	123	0	127	127
Asajaya	0	35	0	7	7
Simunjan	0	19	0	36	37
Serian	2	39	0	25	25
SAMARAHAN	2	216	0	195	196
Sri Aman	0	96	0	145	145
Lubok Antu	0	16	0	23	23
SRI AMAN	0	112	0	168	168
Betong	1	57	2	101	103
Saratok	0	36	0	38	38
BETONG	1	93	2	139	141
Sarikei	0	186	3	206	206
Meradong	0	73	0	54	55
Pakan	0	7	0	37	37
Julau	0	32	0	24	24
SARIKEI	0	298	3	321	322
Daro	0	7	0	24	24
Matu	0	4	0	20	20
Mukah	0	82	0	259	259
Dalat	0	42	0	108	108
MUKAH	0	135	0	411	411
Sibu	0	146	2	517	517
Selangau	0	6	1	16	17
Kanowit	0	22	0	44	44
SIBU	0	174	3	577	578
Kapit	11	64	0	116	116
Song	1	12	0	29	29
Belaga	0	53	0	10	10
KAPIT	12	129	0	155	155
Bintulu	0	723	6	622	629
Tatau	0	25	0	28	28
BINTULU	0	748	6	650	657
Miri	1	297	1	909	911
Marudi	0	49	0	104	105
MIRI	1	346	1	1013	1016
Limbang	0	65	0	54	54
Lawas	0	4	0	56	56
LIMBANG	0	69	0	110	110
SARAWAK	21	3091	17	4992	5010

EW = Epid. Week



A total of 21 cases were reported in Epid. Week 51, 2011.

A cumulative total of 3,091 cases reported compared to 4,992 cases during the same period in 2010.

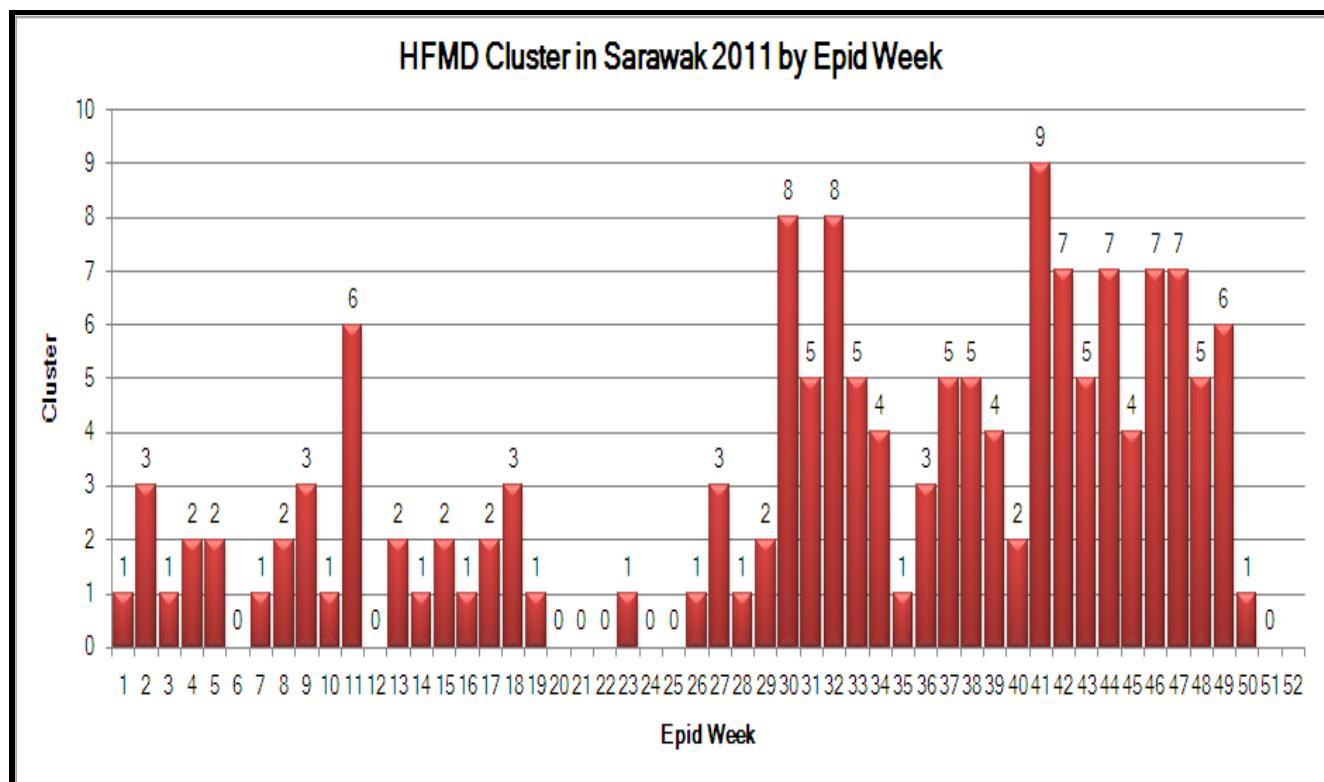
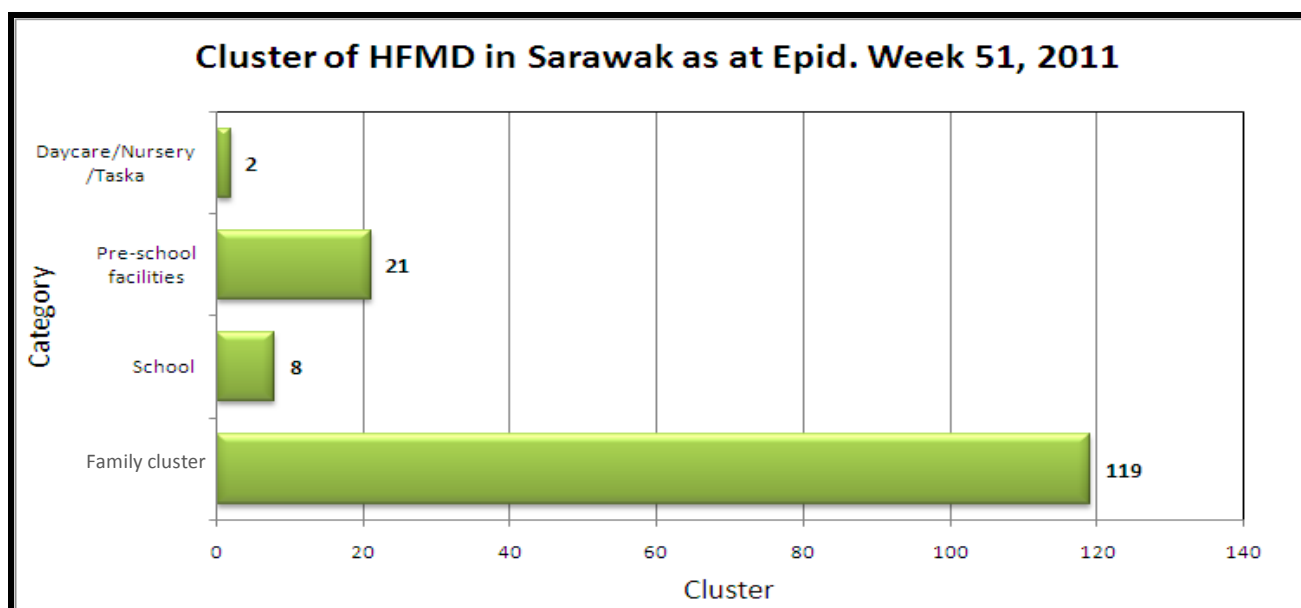
5.2.1 Comparison of total number of notified HFMD cases and registered HFMD cases in *E-notifikasi* system by district as at 24th December 2011

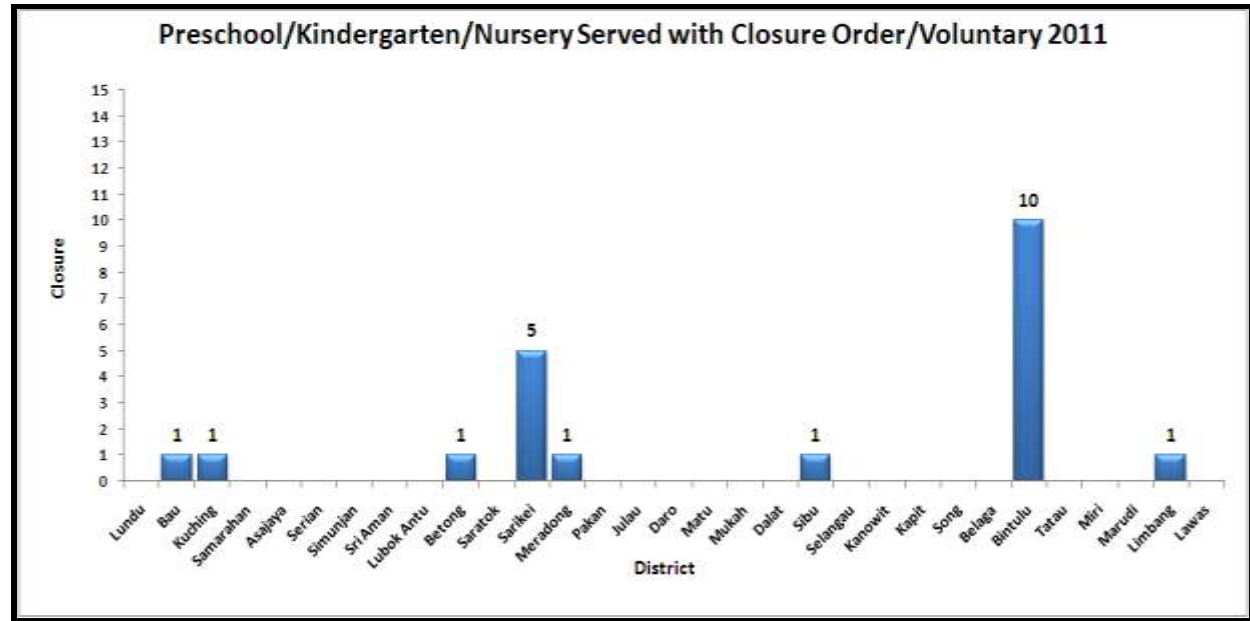
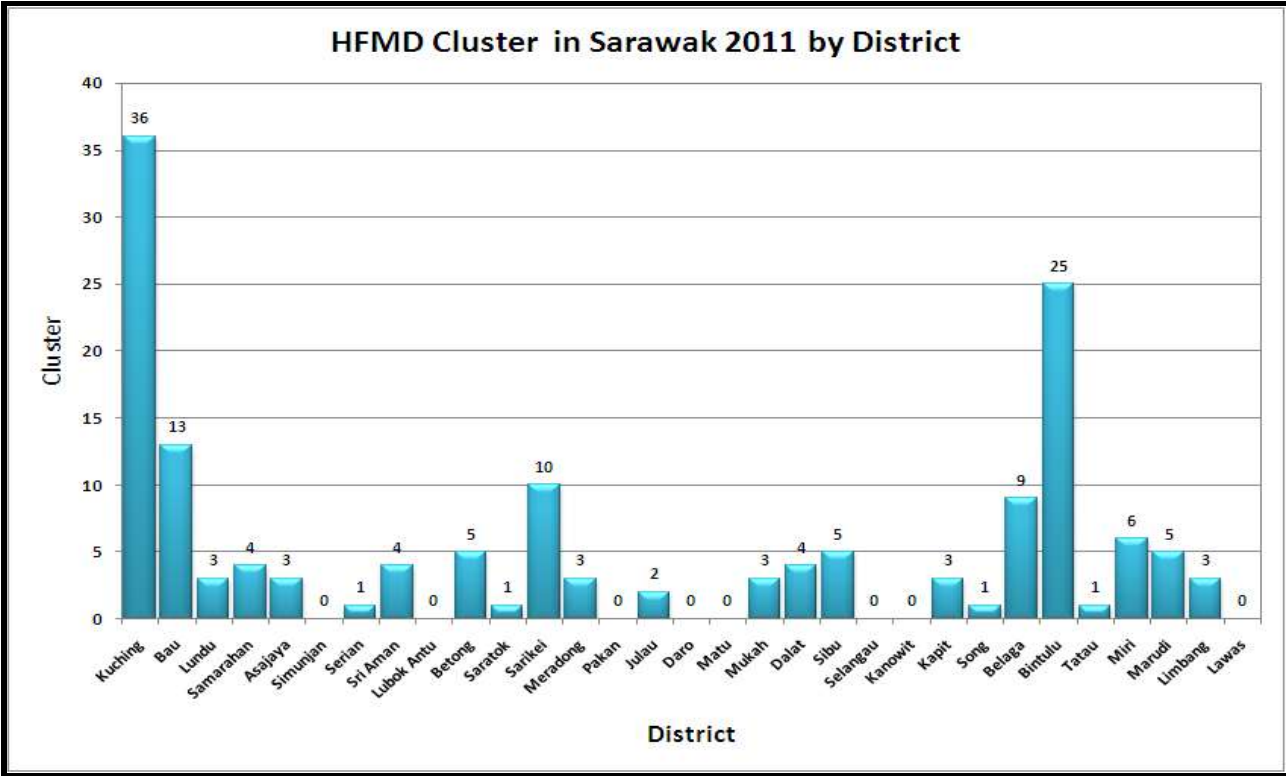
District	Masterlist		Registered Case		Back Log	
	EW 51	Total	EW 51	Total	EW 51	Total
Kuching	3	597	12	566	-9	31
Bau	2	149	3	137	-1	12
Lundu	0	31	0	28	0	3
KUCHING	5	777	15	731		
Samarahan	0	127	3	131	-3	-4
Asajaya	0	35	0	27	0	8
Simunjan	0	19	0	6	0	13
Serian	2	39	2	45	0	-6
SAMARAHAN	2	220	5	209		
Sri Aman	0	96	0	98	-3	-2
Lubok Antu	0	16	0	18	0	-2
SRI AMAN	0	112	0	116		
Betong	1	57	0	57	1	0
Saratok	0	36	0	50	0	-14
BETONG	1	93	0	107		
Sarikei	0	187	0	138	0	49
Meradong	0	73	27	71	-27	2
Pakan	0	7	0	6	0	1
Julau	0	32	0	35	0	-3
SARIKEI	0	299	27	250		
Daro	0	7	6	16	-6	-9
Matu	0	4	0	9	0	-5
Mukah	0	84	0	95	0	-11
Dalat	0	42	0	44	0	-2
MUKAH	0	137	6	164		
Sibu	0	148	0	143	0	5
Selangau	0	6	0	9	0	-3
Kanowit	0	22	0	23	0	-1
SIBU	0	176	0	175		
Kapit	11	64	16	39	-5	25
Song	1	12	1	11	0	1
Belaga	0	55	0	5	0	50
KAPIT	12	131	17	55		
Bintulu	0	730	106	421	-106	309
Tatau	0	25	0	3	0	22
BINTULU	0	755	106	424		
Miri	1	309	31	230	-30	79
Marudi	0	49	0	29	0	20
MIRI	1	358	31	259		
Limbang	0	65	0	39	0	26
Lawas	0	4	0	2	0	2
LIMBANG	0	69	0	41		
SARAWAK	21	3128	207	2531	-176	597

5.2.2. Cumulative HFMD Clusters as of 24th December 2011.

No HFMD cluster was reported in Epid. Week 51, 2011 to Sarawak State Health Department.

As at 24th December 2011, the cumulative total of reported HFMD clusters were remained as 150. Of these, 119 (79.87%) were family cluster, 21 (14.09%) were cluster in preschool facilities, eight (5.37%) were in schools and two (1.34%) were in nursery or day care centres.





5.3. Notified Leptospirosis cases for Epid. Week 51, 2011 compared to Epid. Week 51, 2010 and cumulative cases till Epid. Week 51 in 2011.

District	Case classification (positive)				Total positive leptospirosis	
	Confirmed		Probable		2011	2010
	EW 51/2011	EW 51/2010	EW 51/2011	EW 51/2010		
Bau	0	0	1	0	2	1
Lundu	0	0	5	0	6	0
Kuching	0	0	2	2	37(2)	12
Asajaya	0	0	0	0	3	0
Samarahan	0	0	0	1	6(1)	1
Serian	0	0	0	0	8(1)	2
Simunjan	0	0	1(1)	0	6(2)	1
Sri Aman	0	0	0	0	11(1)	1
Lubok Antu	0	0	0	0	11	3(1)
Betong	0	0	0	0	4(1)	0
Saratok	0	0	0	0	7	0
Sarikei	0	0	0	0	0	1
Meradong	0	0	0	0	0	1
Pakan	0	0	0	0	3	1
Julau	0	0	0	1	0	1
Dalat	0	0	0	0	0	0
Mukah	0	0	0	0	2	1
Daro	0	0	0	0	1(1)	1
Matu	0	0	0	0	0	0
Belawai	0	0	0	0	1	0
Sibu	0	0	0	0	3	6
Kanowit	0	0	0	0	3	1
Selangau	0	0	0	0	2	0
Song	0	0	0	0	1	2
Kapit	0	0	2	0	11	1
Belaga	0	0	1	0	6(1)	0
Tatau	0	0	0	0	0	0
Bintulu	0	0	0	0	11(3)	6
Miri	0	0	0	0	6	3
Marudi	0	0	0	0	2	2
Limbang	0	0	0	0	2(1)	1
Lawas	0	0	0	0	0	0
Total	0	0	12(1)	2	155(14)	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 indicate source of infection.

Leptospirosis was gazetted as a notifiable disease mandated by under the Prevention and Control of Infectious Disease Act 1988 on 9th December 2010 (Surat Pekeliling Ketua Pengarah Kesihatan Malaysia Bil. 33/2010

5.3.1 Summary of Leptospirosis death in Sarawak as at 24th December 2011

No.	District	Hospital	Age (years)	Race	Gender	Date of Death	Concurrent Medical Illness	Occupation
1	Daro	Sibu	37	Melanau	Male	27/01/2011	Asthma	Farmer
2	Belaga	Bintulu	24	Indonesian	Male	8/4/2011	--	Labour
3	Bintulu	Bintulu	40	Kadazan	Male	15/5/2011	Asthma	Bussinessman
4	Limbang	Miri	17	Iban	Male	20/05/2011	--	Mechanic
5	Bintulu	Bintulu	42	Iban	Male	28/06/2011	Intrabdominal sepsis with ARF 2° retroviral +ve	Cleaner
6	Sri Aman	SGH	36	Iban	Male	29/06/2011	--	Lorry Driver
7	Betong	SGH	48	Malay	Male	03/07/2011	--	Labour
8	Kuching	SGH	45	Chinese	Male	17/07/2011	DM, HPT and CVA	Nil
9	Bintulu	Bintulu	52	Melanau	Male	01/08/2011	Not Known	Grass cutter
11	Sri Aman	SGH	76	Iban	Female	05/09/2011	Not Known	-
10	Kuching	SGH	57	Chinese	Male	10/09/2011	Severe hypotension	Retired clerk (Telekom)
12	Lundu	SGH	32	Malay	Male	01/12/2011	--	Army
13	Serian	SGH	13	Bidayuh	Female	13/12/2011	--	Student (SMK Balai Ringin)
14	Simunjan	SGH	29	Iban	Female	22/12/2011	--	Housewife/ Farmer

Note: District indicate source of infection

Hospital indicate facility where patient admitted

5.3.2. Locality of leptospirosis outbreak in Sarawak as at 24th December 2011.

No	District	Locality	Number of cases	Outbreak declared
1	Meradong	SMK Bandar Bintangor	114	24/10/2011
2	Lundu	Sempadi Camp	5	12/12/2011

5.4. Notified Melioidosis cases for Epid. Week 51, 2011 compared to Epid. Week 51, 2010 and cumulative cases till Epid. Week 51 in 2011.

District	Blood test result				Total positive	
	Positive				2011	2010
	Culture		Serology			
	EW 51/2011	EW 51/2010	EW 51/2011	EW 51/2010		
Bau	0	0	0	0	2	0
Lundu	0	0	0	0	0	0
Kuching	0	0	0	0	7(1)	12(1)
Asajaya	0	0	0	0	0	0
Samarahan	0	0	0	0	0	0
Serian	0	0	0	0	1	1(1)
Simunjan	0	0	0	0	0	0
Sri Aman	0	0	0	0	4	0
Lubok Antu	0	0	0	0	0	0
Betong	0	0	0	0	0	2
Saratok	0	0	0	0	0	1(1)
Sarikei	0	0	0	0	0	2
Meradong	0	0	0	0	0	2
Pakan	0	0	0	0	0	0
Julau	0	0	0	0	0	2
Dalat	0	0	0	0	0	1
Mukah	0	0	0	0	2	3(1)
Daro	0	0	0	0	0	0
Matu	0	0	0	0	0	0
Belawai	0	0	0	0	0	0
Sibu	0	0	0	0	1	5(1)
Kanowit	0	0	0	0	0	1
Selangau	0	0	0	0	1	6(2)
Song	0	0	0	0	1	7(2)
Kapit	0	0	0	0	62(3)	162(1)
Belaga	0	0	0	0	14(3)	28(1)
Tatau	0	0	0	0	4(1)	14(4)
Bintulu	0	0	0	0	5	49(1)
Miri	0	0	0	3	3(1)	35(1)
Marudi	0	0	0	0	1	7
Limbang	0	0	0	0	0	2
Lawas	0	0	0	0	0	1(1)
Total	0	0	0	3	108(9)	343(18)

Note: () Death; EW = Epid. Week
District indicate source of infection

5.4.1. Summary of Melioidosis deaths in Sarawak as at 24th December 2011.

No.	District	Hospital	Age	Race	Gender	Date of death	Concurrent medical illness	Occupation
1	Tatau	Bintulu	45	Melayu	Male	17/01/2011	-	Surveyor
2	Kapit	Kapit	32	Beketan	Female	24/01/2011	-	Farmer & Part time Palm Plantation
3	Belaga	SGH	37	Iban	Male	30/01/2011	-	Maintenance assistant at Matang Wildlife Centre & Part time staff of WIMOR Project at Bakun
4	Belaga	Bintulu	41	Chinese	Male	23/02/2011		Mechanic at Penyuan Camp
5	Belaga	Bintulu	52	Penan	Female	10/03/2011	Schizophrenia	Farmer
6	Belaga	Bintulu	32	Kenyah	Male	11/03/2011	-	Part time staff of WIMOR Project at Bakun
7	Kapit	Kapit	59	Iban	Male	13/03/2011	-	Farmer
8	Miri	Bintulu	37	Iban	Female	01/05/2011	Spleen abscess with DM on oral treatment	Housewife
9	Kapit	Sibu	17	Iban	Male	16/10/2011	-	Labourer at Heli Logging Gaat

Note: District indicate source of infection.

Hospital indicate facility where patient admitted

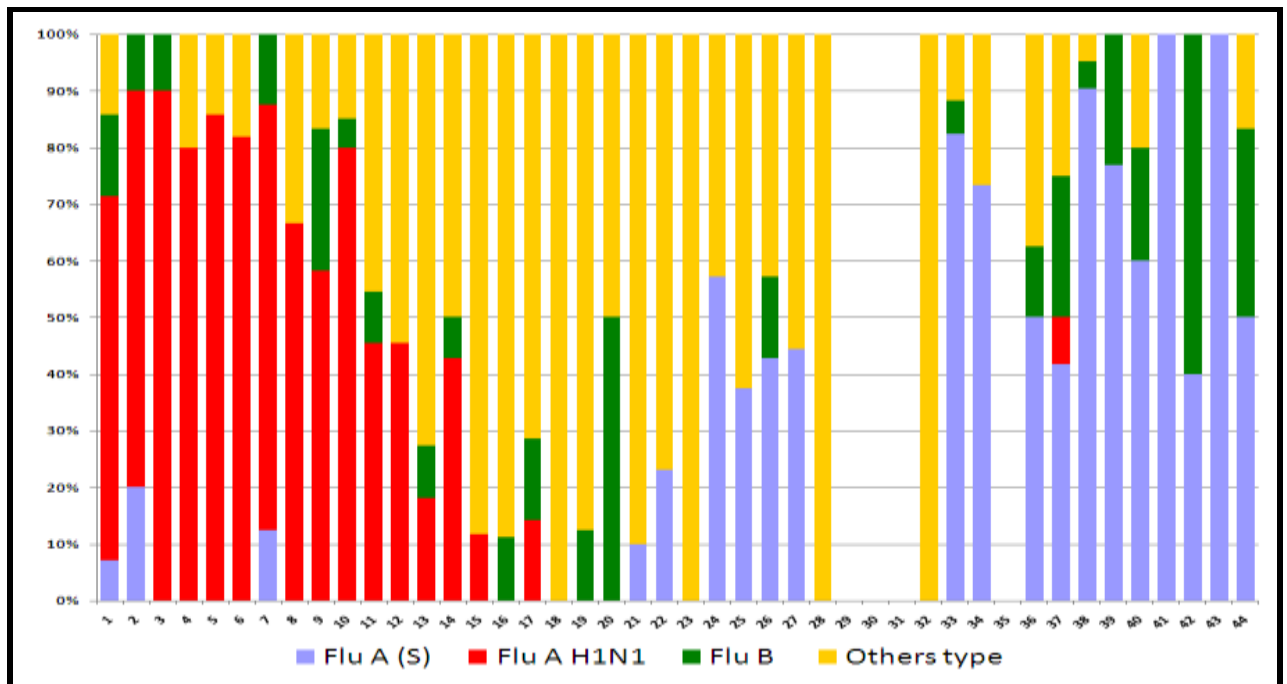
5.4.2. Locality of melioidosis outbreak in Sarawak as at 24th December 2011.

No	District	Locality	Number of cases	Outbreak declared
1	Kapit	Iron Wall Logging Camp	3	21/01/2011
2	Belaga	Bakun Hydroelectric Project	3	15/02/2011

Note: District indicate source of infection

6. LABORATORY BASED SURVEILLANCE

6.1. Malaysia Influenza Surveillance System (MISS) (not included Sabah*) from Epid Week 1 till Epid Week 44, 2011.



* specimen from Sabah were analysed at MKAK Kota Kinabalu

In Malaysia, as at Epid Week 44, 2011, a total of 3,350 throat swab specimens were analysed at MKAK Sungai Buloh. Of these, 416 specimens isolated various types of influenza virus i.e. virus Flu AH1N1 (98), Flu A (s) [152], Flu B (28), and other types of virus (138). Other viruses which are under category of others-type: Adenovirus (83), Paramyxovirus (14), RSV (1), Enterovirus (1) and other viruses (39).

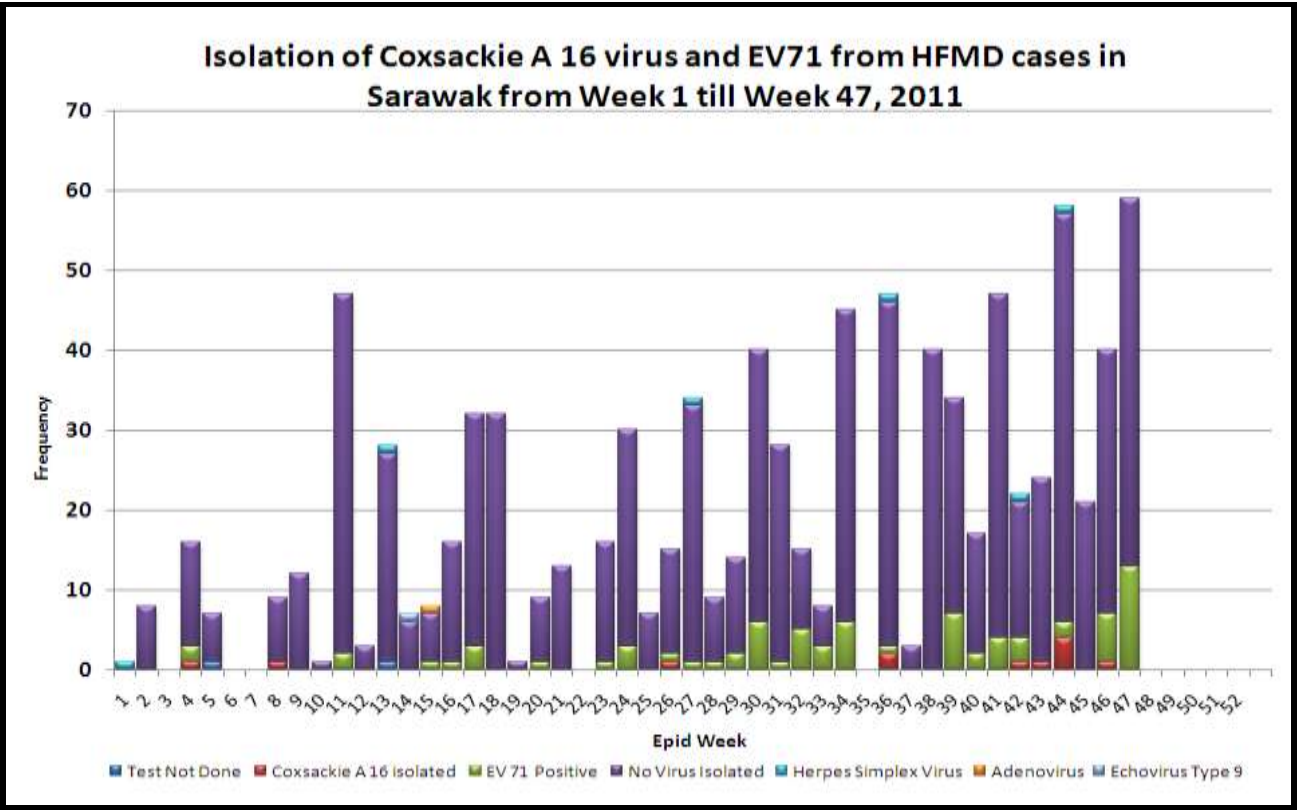
6.2. Laboratory Based Surveillance for Measles in Malaysia

In Malaysia, as at Epid. Week 45, 2011, a total of 4,340 serum specimens for serology test were sent to MKAK Sg. Buloh. Of these, 1,383 were positive for IgM Measles and 354 positive for Rubella.

As at Epid. Week 45, 2011, a total of 3,526 specimens for viral isolation were sent to MKAK Sg. Buloh. Of these, 263 (8.8%) specimens positive for virus isolation: measles (94); rubella (162); herpes simplex virus 1 (3); and adenovirus (4).

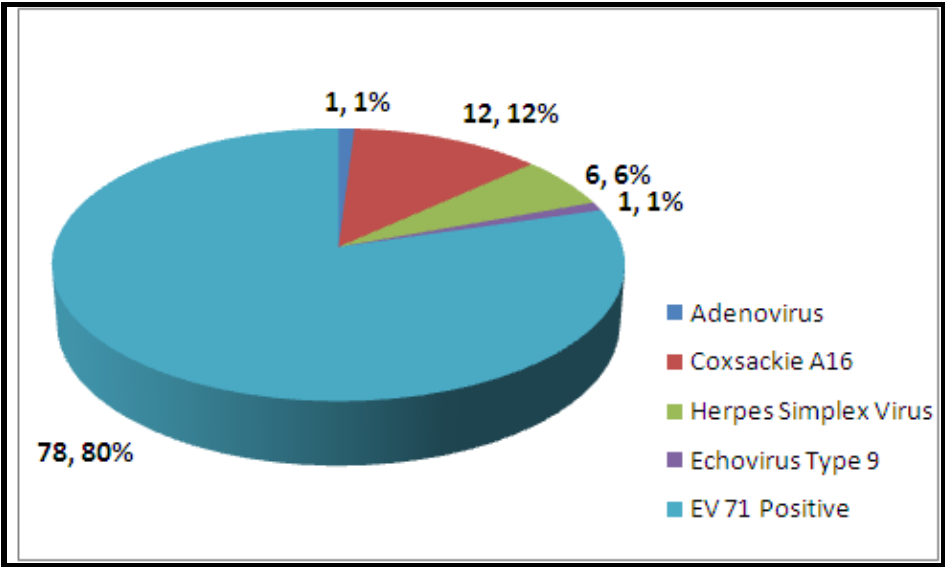
In Sarawak, as at Epid Week 45, 2011, a total of 284 specimens for serology test were to MKAK Sg Buloh. Of these, 21 specimens were positive for measles IgM and 40 positive for rubella IgM. Only 30 specimens for measles viral isolation from Sarawak were sent to MKAK Sg. Buloh but so far none were positive.

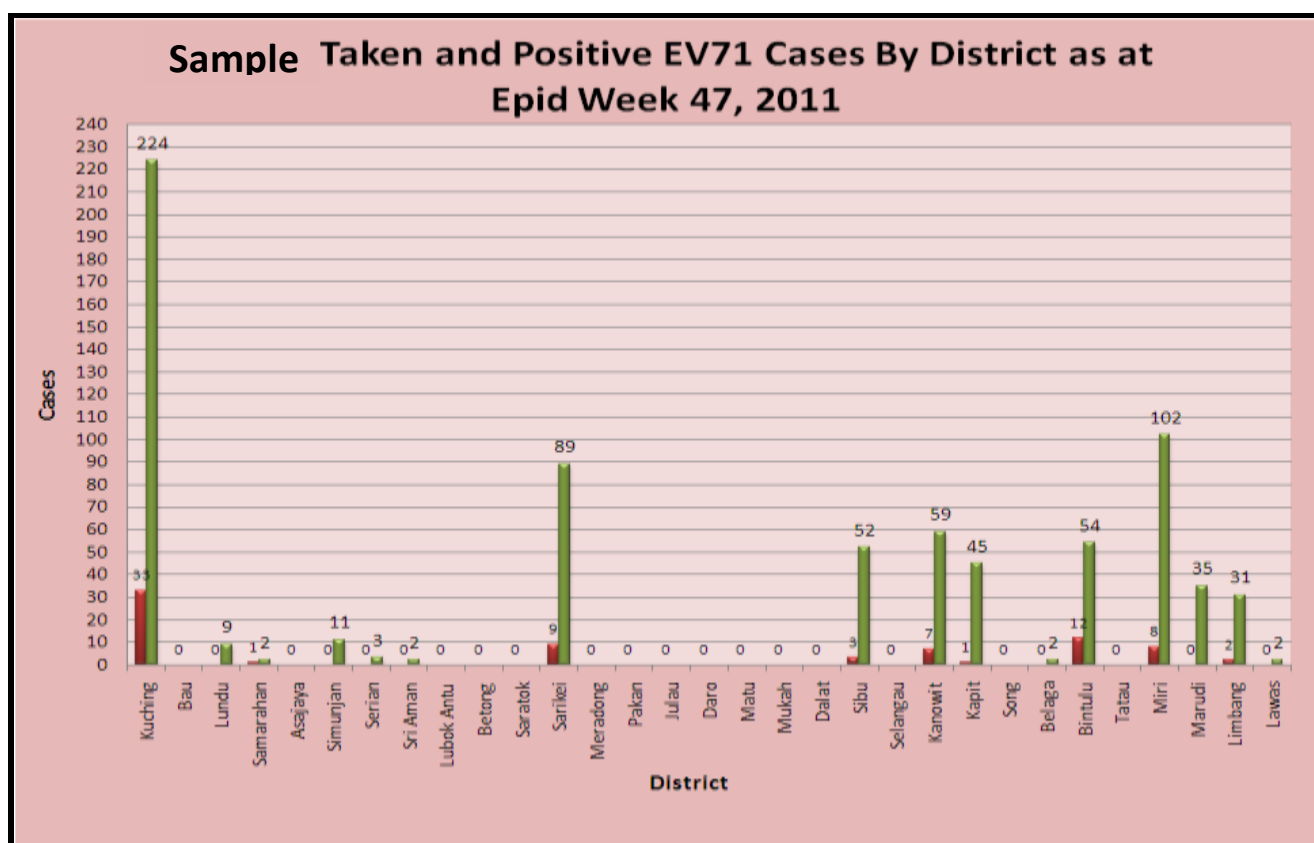
6.3. Laboratory Based Surveillance for HFMD in Sarawak from Epid Week 1 till Epid Week 47, 2011.



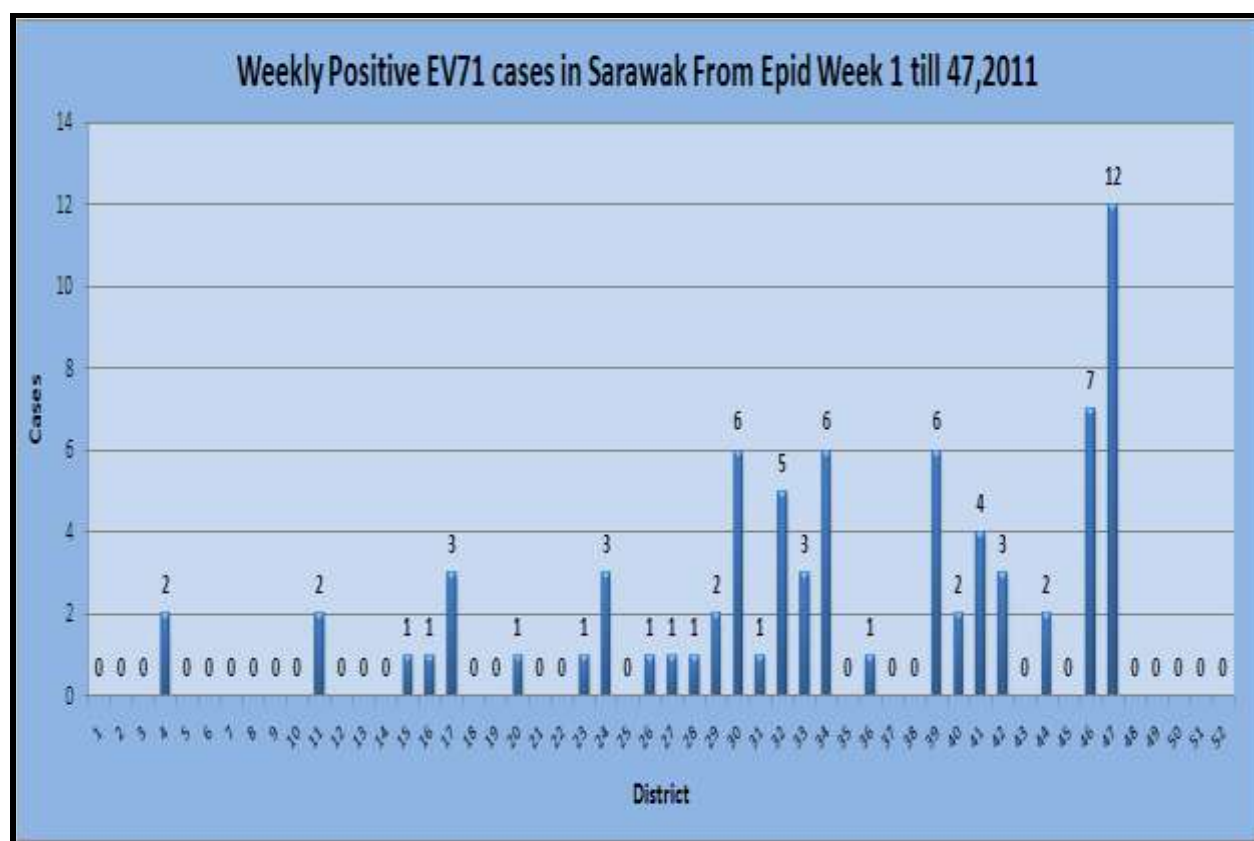
*results from EW 48 onwards are still pending

In Sarawak, as at Epid. Week 47, 2011, a total of 923 specimens were sent to MKAK Sg. Buloh for viral isolation. Of these, 98 specimens isolated viruses: EV71 (78), Coxsackie A16 (12), Herpes Simplex (HSV 1) [6], Adenovirus (1) and Echovirus Type 9 (1).





*results from EW 48 onwards are still pending



*results from EW 48 onwards 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).

[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 December 2011):

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	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 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
5	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
6	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
7	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
8	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
9	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
10	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
11	Pegawai Kesihatan Bahagian Bahagian Bintulu Dr. Abdul Rahim Abdullah	Pejabat Kesihatan Bahagian, Bahagian Bintulu, Lebuhraya Abang Galau, 97000 BINTULU.	dr.abdrahim@srwk.moh.gov.my	Tel: 086-331455 Fax: 086-661814 Hp: 013-3440575
12	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
13	Pegawai Kesihatan Bahagian Bahagian Limbang Dr. Norliza Jusoh	Pejabat Kesihatan Bahagian, Bahagian Limbang, Jalan Pandaruan, 98700 LIMBANG.	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.