



SARAWAK

WEEKLY EPID NEWS

Sarawak Health Department

WEEK 47

20th - 26th November 2011

INFECTIOUS DISEASE/CRISIS HIGHLIGHTS IN SARAWAK

In. Epid. Week 47, 2011, Sarawak Health Department received reports of a family cluster of suspected measles, seven clusters of HFMD and one Malaria outbreak.

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SARAWAK
State Health Department

CPRC (CRISIS PREPAREDNESS AND RESPONSE CENTRE)

Communicable Disease Control Section, Sarawak Health Department

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2. NEW OUTBREAKS/CLUSTERS

No	Disease	District	Locality	Case (No)	Outbreak declared
1	Measles	Song	Rh. Endah, Nanga Sepayang, Tekalit	2	18.11.2011
2	HFMD	Mukah	Solar Green Sdn. Bhd., Ladang Petian, Mukah	10	21.11.2011
3		Dalat	Teachers' Quaters, SK Kpg. Senau, Dalat	2	22.11.2011
4		Bau	Kpg Apar	2	25.11.2011
5			#Kpg Atas, Singai	3	16.11.2011
6			Kpg. Sebuluh	5	23.11.2011
7			Tadika St. Francis	3	14.11.2011
8		Bintulu	No. 71, Taman Kemena Raya, Jalan Tun Hussien Onn	2	20.11.2011
9	Malaria	Marudi	Long San	3	23.11.2011

Late reporting to CPRC, Sarawak Health Department

There were 9 clusters/outbreaks were reported in Epid. Week 47, 2011 to Sarawak Health Department.

3. MANDATORY NOTIFIABLE DISEASES REPORTED IN EPID. WEEK 47, 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																											
Bau						2				1	26																
Kuching	2/1					2				4	12		1	1	3												2
Samarahan						1					1				1												1
Asajaya										2																	
Simunjan																											
Serian	1																										2
Sri Aman						1					1				2												1
L/ Antu													1														
Betong										1	2															1	
Saratok						1																				1	
Sarikei						1					2																
Meradong																											
Pakan/Julau						2							2														
Daro													1														
Matu																											
Dalat											4																
Mukah											7																
Sibu										3	6								4								
Kanowit													2														
Selangau						1																					
Song																											
Kapit											1		3		2												
Belaga						1							3														
Tatau																											
Bintulu																			1								
Miri						1							2													1	
Marudi						1					2		5														
Limbang	1										1				1												
Lawas																											
TOTAL (Week 47)	4/1	0	0	0	0	14	0	0	0	11	65	0	20	1	9	0	0	0	5	0	0	0	0	0	3	0	6
Total (2011)	153/77	0	0	252	0	877	9	0	1316	409	2897	20	1542	34	278	0	0	0	180	1	1650	6	0	137	27	0	123
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. Food Poisoning

No food poisoning reported in Epid. Week 47, 2011.

The cumulative total of food poisoning cases until Epid. Week 47 were remained as 1,316 cases that consist of 52 outbreaks. Out of 52 outbreaks, 26 (50.0%) involved schools (14 primary; 12 secondary).

3.1.3. Cholera

No case reported in Epid. Week 47, 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.

3.1.4. Dysentery

No case reported in Epid. Week 47, 2011.

A cumulative total of nine suspected dysentery cases were reported until Epid. Week 47, 2011, but only two cases were confirmed to be *Amoebic dysentery and Shigellosis*. The others were negative for microbiology analyses.

3.1.5. Typhoid and paratyphoid fever

No case of typhoid and paratyphoid fever were reported in Epid. Week 47, 2011.

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

3.2. Surveillance report on vaccine preventable diseases

3.2.1. Notified Vaccine Preventable diseases cases for Epid. Week 47, 2011

Type Of Diseases	District	No.of Cases	Locality	Age	Race	Gender	Investigation Report
Measles	Kuching	3	Jalan Pisang Barat, Kuching	5month	Chinese	Boy	Presented with fever and rash only. No history contact with infected person or travelling outside Kuching. Look after by grandparent. Blood serology taken, result still pending.
			Taman Petronesa, Off Jalan Depo, Petra jaya	28 days	Malay	Girl	Diagnosed and notified by Medical Officer NMSC. Presented with fever, cough and body rash. Mother claimed baby having body rash since after birth and getting worse after taking syrup cephalixin. Blood serology taken, result still pending
			Kem TUDM Batu 7, Jalan Kuching Serian	4month	Malay	Girl	Still waiting for investigation report
	Samarahan	1	Kpg. Muara Tuang	18yrs	Malay	Female	Still waiting for investigation report
	Sri Aman	2	P/A Penjara Sri Aman	7month	Malay	Boy	Awaiting investigation report
			Rh. Asan Temelan Sri Aman	24yrs	Iban	Female	Awaiting investigation report
	Kapit	2	Rh John Sesibau	9month	Iban	Boy	Notified by Medical Officer Kapit Hospital. Presented with fever, body rash, cough and coryza. Family contact all well. No history of travelling outside Kapit. Blood sample for serology taken, result still pending
			Rh. Gawan, Lepong Baleh	10month	Iban	Boy	Notified by Medical Officer Kapit Hospital. Presented with fever, body rash, cough and coryza. Family contact all well. No history of travelling outside Kapit. Sample for serology not taken,
	Limbang	1	Rh. Bali, Merasam, Limbang	8month	Iban	Boy	Presented with fever and rash only. No history contact with infected person or travelling outside Limbang. All Family concts are well. Blood sample for serology taken, result still pending
Hepatitis B		Nil					
Hepatitis C		Nil					
Whooping Cough	Kuching	1	Bintawa Hilir, Kuching	1month	Malay	Boy	Fever with paroxysmal cough. Admitted and notified by Medical Officer SGH. Lab sample for PCR taken, result still pending. Still waiting for field investigation report
Difteria		Nil					
Polio		Nil					
Tetanus		Nil					

3.2.2. Total Reported Vaccine Preventable Diseases Cases by Division from Epid Week 1 until Epid. Week 47, 2011

DIVISION	TYPES OF DISEASES													
	Difteria		Measles		Polio		Tetanus		Whooping Cough		Hepatitis B		Hepatitis C	
	Suspect	Confirm	Suspect (E-Measles)	Confirm	Suspect	Confirm	Suspect	Confirm	Suspect	Confirm	Acute	Chronic	Acute	Chronic
KUCHING	0	0	72	5	0	0	0	1	27	5 (2 PCR, 3 Culture)	0	32 (Kch 26, Bau 3, Lundu 3)	2	21 (Kch-20, Bau - 1)
SAMARAHAN	0	0	17	3	0	0	0	0	1	1 (PCR)	5	1	1 (Asajaya)	0
SRI AMAN	0	0	5	0	0	0	0	0	0	0	2	0	0	0
BETONG	0	0	1	0	0	0	0	0	0	0	0	2	1	0
SARIKEI	0	0	5	0	0	0	0	0	0	0	0	0	0	0
SIBU	0	0	2	1	0	0	0	0	1	1 (PCR)	1	0	0	0
KAPIT	0	0	9	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	7	1	0	0	0	0	0	0	3	0	0	0
MIRI	0	0	124	5 (1 clinical)	0	0	0	0	5	1 (Culture)	11	11	14 (Miri -13, Tatau - 1)	29
LIMBANG	0	0	36	5 (All fr. Lawas)	0	0	0	0	0	0	1	0	0	0
SARAWAK	0	0	278	19	0	0	0	0	34	7	23	46	18	50

3.2.3 Measles (data derived from SM2)

A total of 9 suspected measles cases were reported in Epid. Week 47, 2011. Three cases each from Kuching, two cases each from Kapit and Miri and one case from Samarahan and Limbang district.

3.2.3.1 Summary of confirmed measles cases from Epid. Week 1 until Epid. Week 47, 2011

No.	Division	Distrit	Address	Age (By Yr)	Age (By mth)	Gender	Race	Home Origin	Lab. Results IgM Measles	Immunization Status	Remark
1	Samarahan	Serian	Kampung Mentu Tapu, Serian		3	Male	Bidayuh	Sarawak	POSITIVE	Not Eligible	Lab Confirmed
2	Samarahan	Samarahan	3 WKSP Brigade, Kem Penrissen Batu 8 Jalan Kuching Serian		11	Female	Malay	Sarawak	POSITIVE	Not Eligible	Lab Confirmed
3	Kuching	Kuching	No.39, Lorong 3, Kitang Height, Jalan Kuching Bau, Kuching	1		Male	Pakistani	Pakistan	POSITIVE	Given 1 dose - post measles	Lab Confirmed
4	Kuching	Kuching	B4-1-3, Haatana Apartment Demak Laut, Jalan Bako, Kuching		5	Female	Malay	Sarawak	POSITIVE	Not Eligible	Lab Confirmed
5	Miri	Miri	SPAD Ladang 2, Sg.Tangit, Bekenu Miri		7	Female	Melanau	Sarawak	POSITIVE	Not Eligible	Lab Confirmed
6	Miri	Miri	S/L 1388-1390, Blok 3, MCID Piasau Miri	39		Male	Chinese	Sarawak	POSITIVE	Unknown	Lab Confirmed
7	Bintulu	Bintulu	Kuarters Pekerja Hup Sen Fertilizer, Kidurong Bintulu		9	Male	Iban	Sarawak	POSITIVE	Not Eligible	Lab Confirmed
8	Kuching	Kuching	No.11, Lorong 16, Blok C Kampung Haji baki, Kuching	1		Male	Malay	Sarawak	POSITIVE	Given 1 dose	Vaccine Related Onset 1 week after vaccination
9	MIRI	Miri	RPR Jaya Taman Permai Miri		4	Female	Iban	Sarawak	POSITIVE	Not Eligible	Lab Confirmed
10	Kuching	Kuching	No.17, Jalan Patinggi Ali Barat, Kampung Ilo.4, Jalan Abell,	27		Female	Indonesian	Indonesia	POSITIVE	Unknown	Coming to Kuching to visit relatives
11	Kuching	Kuching	No.222, Lot 2574, Lorong B3, Kampung Tunku Kuching		8	Female	Melayu	Sarawak	POSITIVE	Not Eligible	Lab Confirmed
12	Samarahan	Samarahan	Kem Penrissen Batu Lapan, Jalan Kuching Serian	5		Male	Iban	Sarawak	POSITIVE	Not Sure-Can't Find U-7 card	Lab Confirmed
13	Miri	Miri	Shoplot CM2, Jalan Kwan Tung Miri	1		Female	Iban	Sarawak	POSITIVE	Not yet given	Lab Confirmed
14	Limbang	Lawas	Ladang Sawit Merapok	2		Male	Indonesian	Indonesia	POSITIVE	No Immunization	Lab Confirmed
15	Limbang	Lawas	Ladang Sawit Merapok	22		Female	Indonesian	Indonesia	POSITIVE	No Immunization	Lab Confirmed
16	Limbang	Lawas	Ladang Sawit Merapok	4		Female	Indonesian	Indonesia	POSITIVE	No Immunization	Lab Confirmed
17	Limbang	Lawas	Ladang Sawit Merapok	2		Female	Indonesian	Indonesia	POSITIVE	No Immunization	Lab Confirmed
18	Limbang	Lawas	Ladang Sawit Merapok		10	Male	Indonesian	Indonesia	POSITIVE	No Immunization	Lab Confirmed
19	Samarahan	Samarahan	Kpg Kuap Melayu	28		Male	Malay	Sarawak	POSITIVE	Unknown	Case notified after Lab result
20	Kuching	Kuching	No.237, lot 2221, Lorong Sungai Maong 5, Green Road, Kuching	1		Male	Chinese	Sarawak	POSITIVE	? Not Given YET	Lab investigation done and confirmed IgM positive by Gribbles Lab
21	Sibu	Sibu		30		Male		Sarawak	POSITIVE		Lab Result EW 44 From MKAK

3.2.3.1 Clinically confirmed measles from Epid. Week 1 until Epid. Week 47, 2011

NO	Division	District	Address	Name	Age (By Yr)	Age (By mth)	Gender	Race	Negeri Asal	Keputusan Makmal IgM Measles	Immunization Status	Remark
1	Miri	Marudi	Lot 214, Kampung Pemindahan Marudi	CC1	20		Male	Malay	Sarawak	No Lab sample	Not Sure	Clinically Confirmed

Note: Clinically confirmed case: Case with interval of fever and rash onset of 3 days or more with either cough, coryza or conjunctivitis

The cumulative total of suspected measles cases was 262. Of these, 21 cases were confirmed by positive IgM measles. There was also one clinically confirmed case.

3.2.4. Pertussis

One case suspected pertussis reported in Epid. Week 47, 2011 from Kuching district.

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 47, 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 47, 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 47, 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

Two HIV cases and one AIDS case from Kuching district reported in Epid. Week 47, 2011.

The cumulative total HIV cases were 153 and all were adults. The cumulative total AIDS cases were remained as 77.

3.3.2. Gonorrhoea

Eleven gonorrhoea cases reported in Epid. Week 47, 2011. The cases were from Kuching (4), Sibu (3), Asajaya (2), Bau (1), and Betong (1).

Out of the cumulative total of 409 cases reported, 359 were adults and only two cases confirmed as gonococcal neonatorum.

3.3.3. Syphilis

Five syphilis cases from Sibu (4) and Bintulu (1) reported in Epid. Week 47, 2011.

The cumulative total of syphilis cases were 180.

3.4. Surveillance Report on TB and leprosy

3.4.1. Tuberculosis (all forms)

As of 26th November 2011, a cumulative total of 1,650 cases were reported.

Out of 1,650 cases reported in 2011, 85 (5.15%) are foreigners. Four 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 was foreigner and nineteen were locals. All cases were detected through active case detection (ACD).

3.5. Surveillance Report on other infectious diseases

3.5.1. Viral Encephalitis

Three cases of confirmed *Japanese encephalitis* reported in Epid. Week 47, 2011, each from Miri, Betong, and Saratok districts.

The cumulative total of reported viral encephalitis is 27. Of these, eight cases were confirmed *Japanese encephalitis*.

3.6. Other infectious diseases

3.6.1. Filariasis

One case of filariasis reported in Epid. Week 47, 2011. The case is a 56 years old Iban male from Rh. Enjop, Sungai Babi, Marudi.

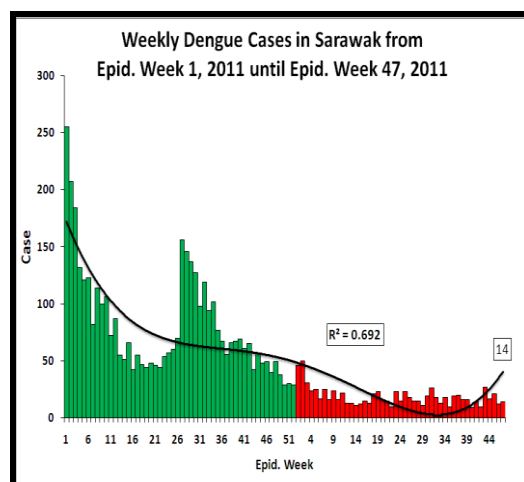
The cumulative total case of filariasis is seven.

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 47, 2011 compared to Epid. Week 47, 2010 and cumulative cases till Epid. Week 47 in 2010.

District	2011		2010		Total
	EW 47	Cum.	EW 47	Cum.	
Lundu	0	10	3	66	69
Bau	2	28	1	118	123
Kuching	2	101	6	456	473
Samarahan	1	21	0	93	97
Asajaya	0	4	0	10	10
Serian	0	17	0	135	140
Simunjan	0	14	0	43	47
Sri Aman	1	49	0	90	96
Lubok Antu	0	23	1	50	53
Betong	0	11	0	24	30
Saratok	1	10	0	20	20
Sarikei	1	25	0	89	91
Meradong	0	12	0	51	53
Pakan	2	21	0	27	30
Julau	0	15	0	19	20
Daro	0	6	2	90	95
Matu	0	1	0	25	25
Dalat	0	3	0	10	14
Mukah	0	5	1	38	39
Sibu	0	68	9	986	1021
Kanowit	0	30	2	62	64
Selangau	1	10	0	28	32
Song	0	10	0	14	16
Kapit	0	27	2	158	158
Belaga	1	26	1	35	39
Tatau	0	36	0	34	40
Bintulu	0	95	1	227	237
Miri	1	114	9	795	816
Marudi	1	55	0	120	126
Limbang	0	19	2	125	131
Lawas	0	11	0	27	35
Sarawak	14	877	40	4065	4240



A total of 14 dengue cases were reported in Epid. Week 47, 2011 compared to 40 cases during the same period in 2010.

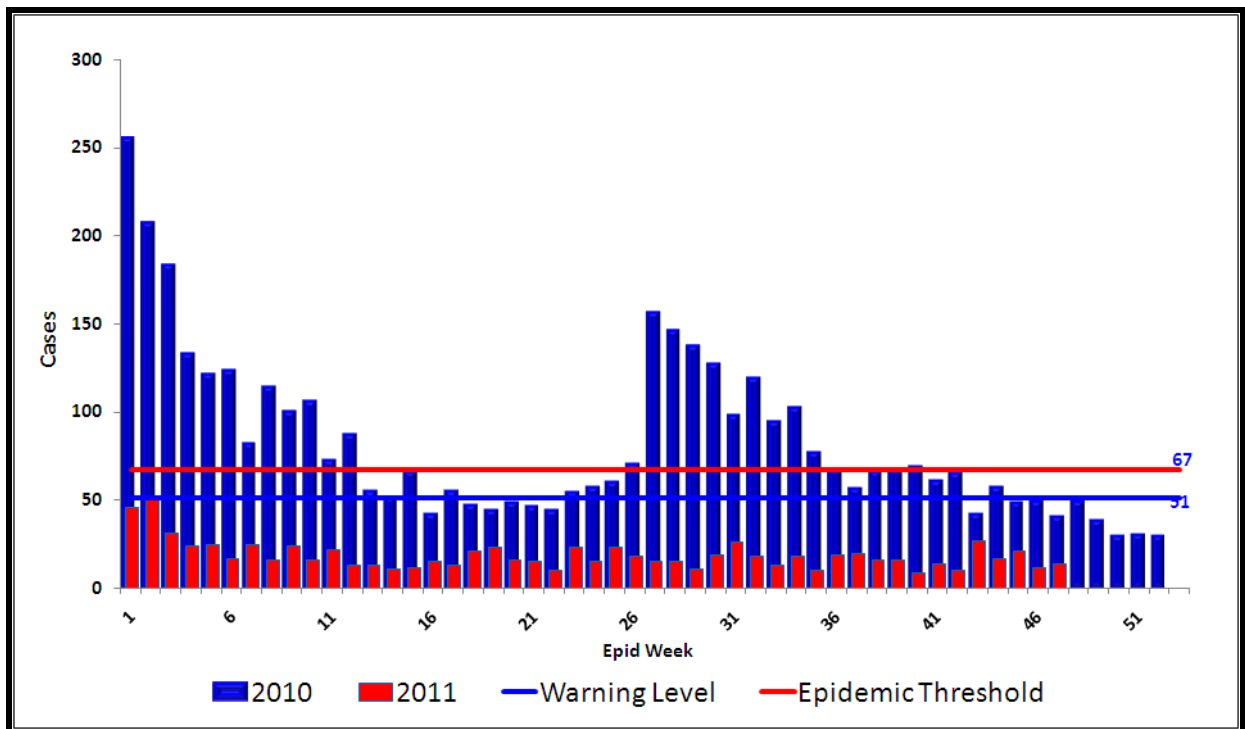
There is no active outbreak is reported.

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

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

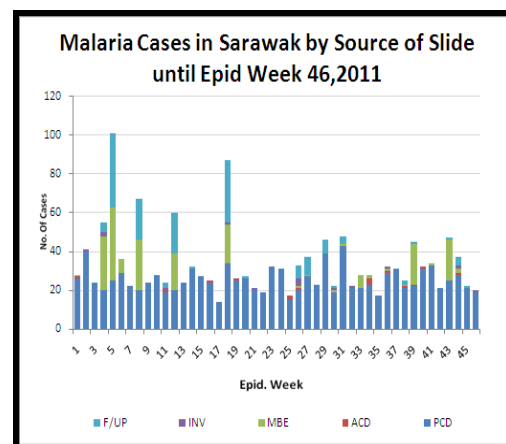
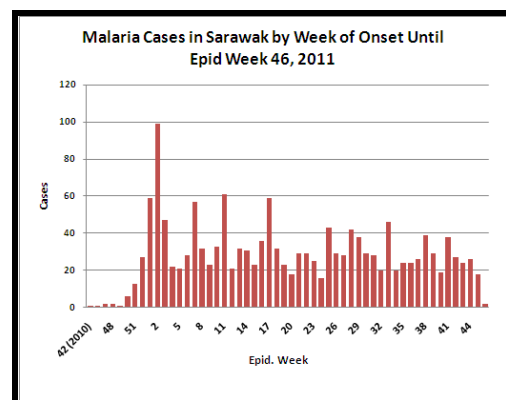
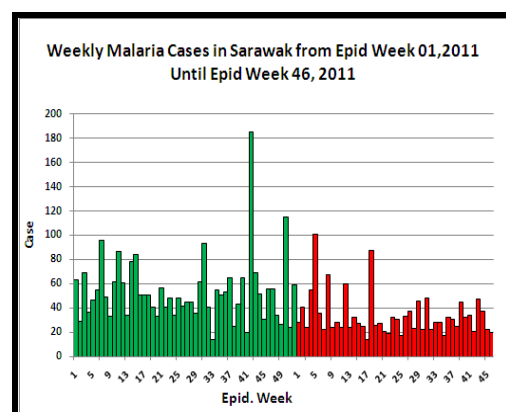
EW = Epid. Week

4.1.1 Weekly dengue cases showing warning and epidemic level in 2011 compared to 2010.



4.2. Notified Malaria cases for Epid. Week 46, 2011 compared to Epid. Week 46, 2010 and cumulative cases till Epid. Week 46 in 2011.

District	2011		2010		Total
	EW 46	Cum.	EW 46	Cum.	
Lundu	0	31	0	71	72
Bau	0	4	0	9	9
Kuching	1	23	0	23	27
Samarahan	0	3	0	1	2
Asajaya	0	1	0	0	0
Serian	0	20	0	57	58
Simunjan	0	2	0	17	17
Sri Aman	0	15	0	21	25
Lubok Antu	1	22	0	16	16
Betong	0	37	0	11	15
Saratok	0	3	0	4	4
Sarikei	0	16	1	8	8
Meradong	0	9	0	3	3
Pakan	1	24	0	14	14
Julau	1	64	0	27	34
Daro	1	2	0	0	1
Matu	0	0	0	0	1
Dalat	0	8	0	13	14
Mukah	0	2	0	6	6
Sibu	0	39	1	34	43
Kanowit	2	76	0	63	65
Selangau	0	15	0	8	9
Song	0	65	1	42	46
Kapit	3	196	0	119	134
Belaga	3	118	2	276	300
Tatau	0	28	0	12	12
Bintulu	0	37	0	30	39
Miri	2	35	0	28	32
Marudi	5	603	51	1516	1734
Limbang	0	17	0	27	29
Lawas	0	27	0	31	33
Sarawak	20	1542	56	2487	2802



A total of 20 cases were reported in Epid. Week 46, 2011. The cumulative total of malaria case as of Epid. Week 46, 2011 was 1,542. Of these, 603 cases (39.1%) from Marudi District, 196 cases (13%) from Kapit District and 118 cases (7.6%) from Belaga District.

Notes: 1) EW = Epid. Week; 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)

4.2.1. Case detected by slide source

Slides source	Epid. Week 46	Epid. Week 1 – Epid. Week 46
Passive Case Detection (PCD)	19	1154
Active Case Detection (ACD)	0	14
Investigation slides (INV)	1	16
Mass Blood Survey (MBS)	0	199
Follow-up	0	159
Total	20	1542

4.2.2. Case by species

Species	Epid. Week 46	Epid. Week 1 – Epid. Week 46
<i>Plasmodium vivax</i>	5	858
<i>Plasmodium falciparum</i>	1	82
<i>Plasmodium malariae</i>	3	288
<i>Plasmodium knowlesi</i>	11	308
<i>Plasmodium ovale</i>	0	1
Mixed infection	0	5
Total	20	1542

4.2.3. Case classification

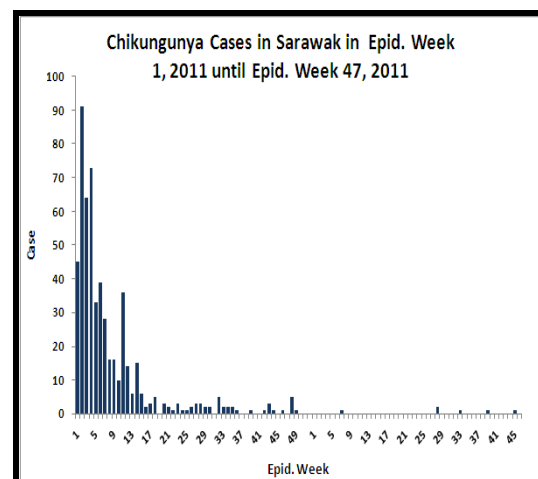
Classification	Epid. Week 46	Epid. Week 1 – Epid. Week 46
Indigenous	16	1335
*Imported A	4	205
Relapsed	0	1
Congenital	0	1
Total	20	1542

4.2.4. The summary of the *Imported A cases

No.	District reported	Source of infection	Nationality	Age	Gender	Address in Sarawak	Species
1	Daro	Sambas, Indonesia	Indonesian	29	Male	Ladang Jaya Tiasa, Fasa 3, Lassa Plantation, Daro	<i>P. falciparum</i>
2	Kuching	Prajes Seluas, Bungkayan, Kalimantan Barat, Indonesia	Indonesian	24	Male	Tapah Village, Siburan	<i>P. vivax</i>
3	Kanowit	KKB Amanab 56, Papua New Guinea	Malaysian	40	Male	Sungai Maong Siput, Gasing, Kanowit	<i>P. vivax</i>
4	Kapit	KKB Rimbunan Hijau, Papua New Guinea	Malaysian	43	Male	Tatai Amang, Jalan Selirik, Kapit	<i>P. vivax</i>

4.3. Notified Chikungunya cases for Epid. Week 47, 2011 compared to Epid. Week 47, 2010 and cumulative cases till Epid. Week 47 in 2010.

District	2011		2010		Total
	EW 47	Cum.	EW 47	Cum.	
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	12	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	62	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	544	550



No case of chikungunya was reported in Epid. Week 47, 2011. The cumulative total of Chikungunya case in 2011 is remained as six.

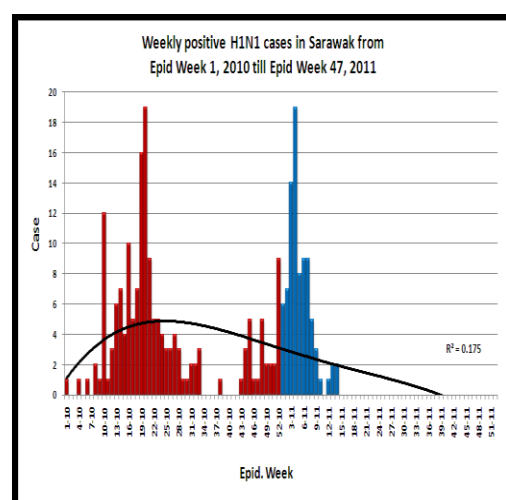
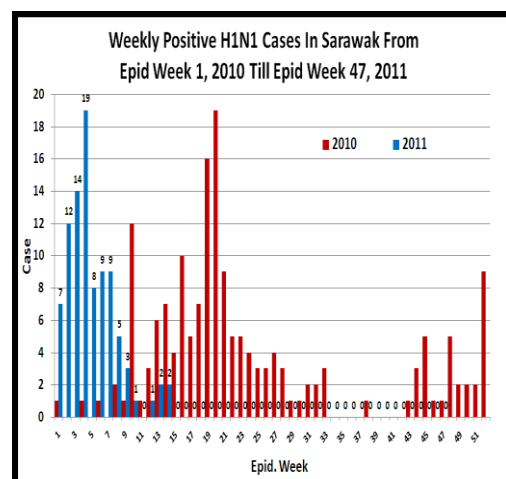
EW = Epid Week

5. EMERGING/RE-EMERGING INFECTIOUS AND ZONOTIC DISEASES

5.1. H1N1

5.1.1 Positive Pandemic Influenza A (H1N1) cases for Epid. Week 47, 2011 compared to Epid. Week 47, 2010 and cumulative cases till Epid. Week 47 in 2011.

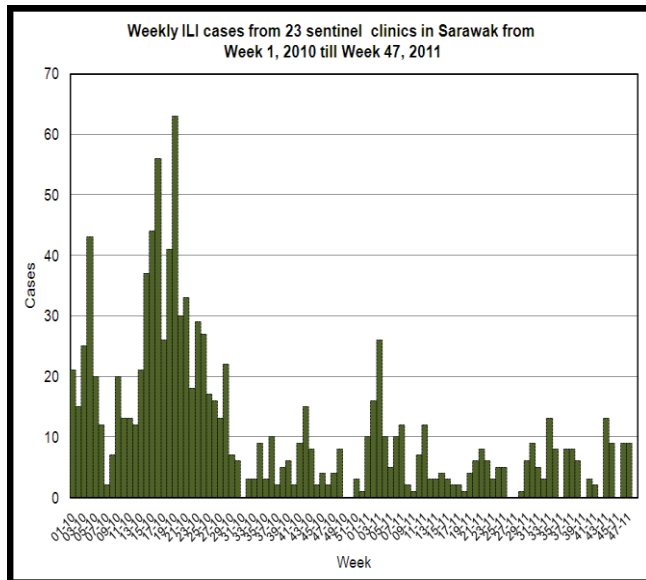
District	2011		2010		Total
	EW 47	Cum.	EW 47	Cum.	
Lundu	0	1	0	8	9
Bau	0	0	0	1	1
Kuching	0	51	1	53	61
Samarahan	0	0	0	8	8
Simunjan	0	0	0	3	4
Serian	0	0	0	2	2
Sri Aman	0	0	0	4	4
Lubok Antu	0	0	0	0	0
Betong	0	1	0	0	0
Saratok	0	0	0	0	0
Sarikei	0	0	0	2	2
Meradong	0	0	0	0	0
Julau	0	0	0	0	0
Daro	0	0	0	0	0
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	16	19
Miri	0	6	0	7	7
Marudi	0	0	0	1	1
Limbang	0	2	0	21	20
Lawas	0	1	0	2	2
TOTAL	0	92	1	149	161



No H1N1 positive case was reported in Epid. Week 46, 2011. The cumulative total cases in 2011 were 92 cases.

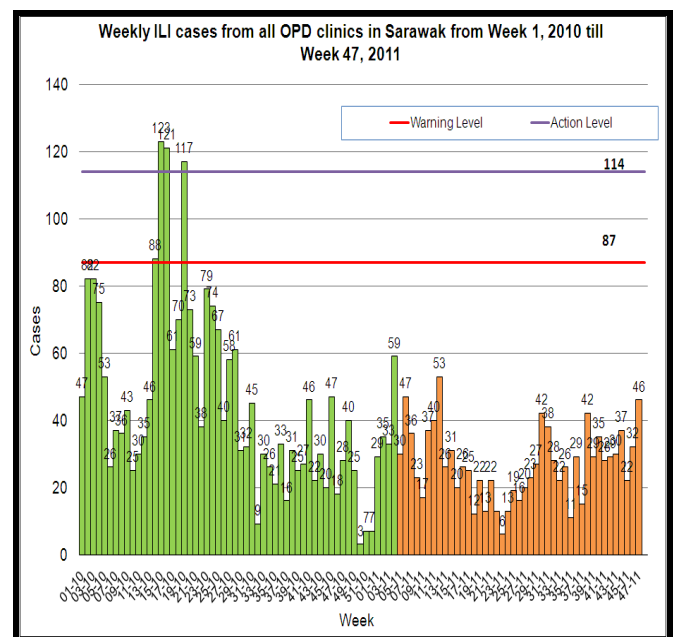
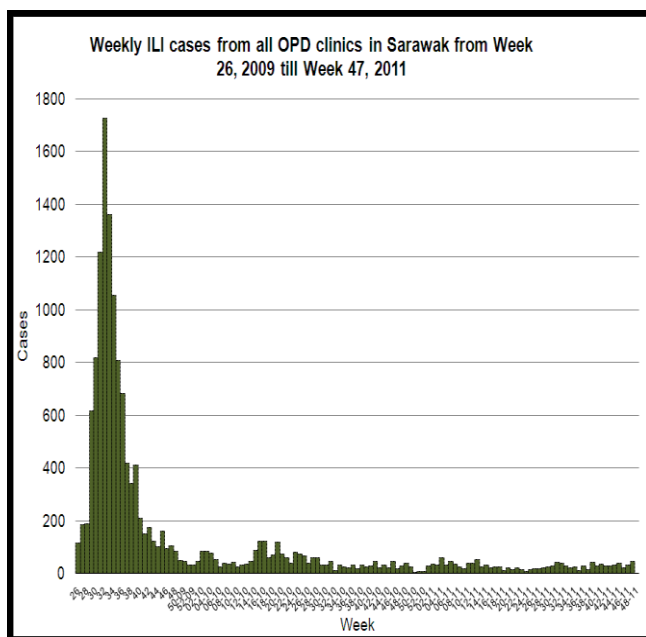
EW = Epid. Week

5.1.2 Outpatient Influenza-Like Illness (ILI) Surveillance from Epid. Week 1 in 2010 till Epid. Week 47 in 2011.



In Epid. Week 47, 2011, nine 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**.

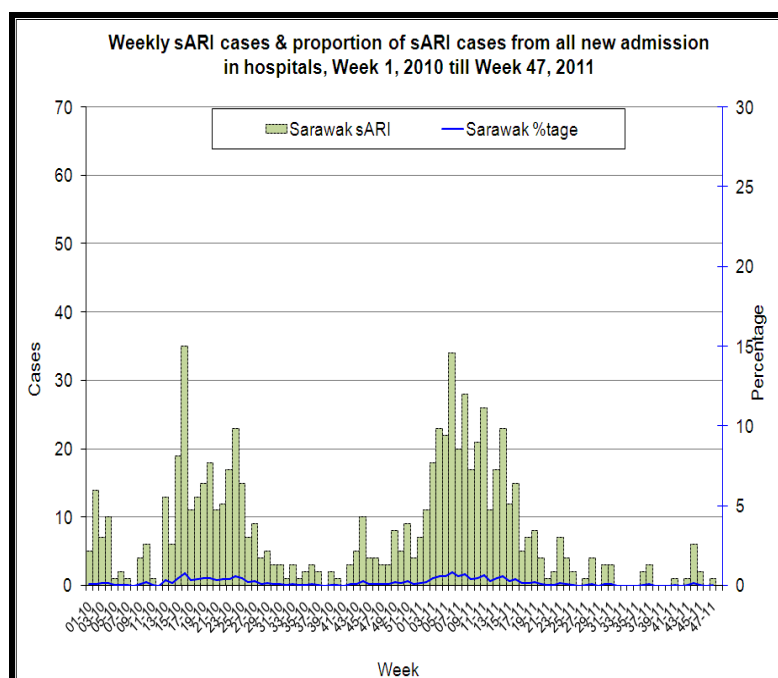
5.1.3. New and Cumulative ILI Clusters as of 26th November 2011.

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 $> 38^{\circ}\text{C}$ 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)

5.1.5. Weekly Summary Report on sARI Admission in Government Hospitals in Sarawak as at 26th November 2011.

Division	Hospital	New EW 47	Cumulative 2011	No. of Inpatient			No. of Patient on Ventilator	Throat swabs		
				ICU	ISO	Other wards		Positive	Pending	Negative
Kuching	SGH Kuching	0	168	0	0	0	0	0	0	0
	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	0	249	0	0	0	0	0	0	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		0	471	0	0	0	0	0	0	0

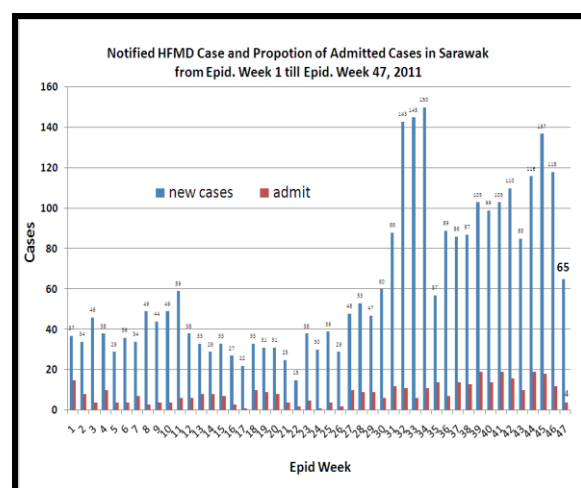
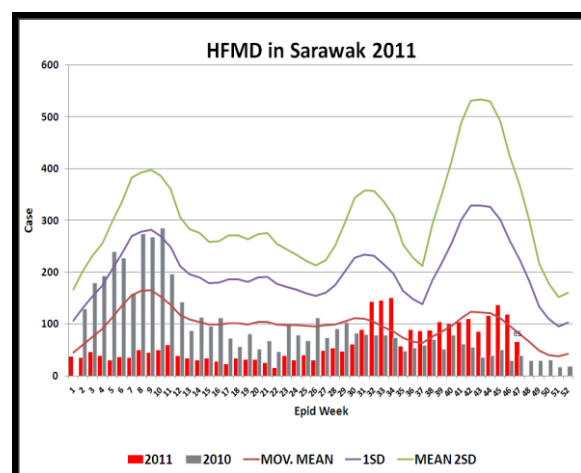
EW = Epid. Week

No sARI case was reported in Epid. Week 47, 2011.

5.2. Notified HFMD cases for Epid. Week 47, 2011 compared to Epid. Week 47, 2010 and cumulative cases till Epid. Week 47 in 2011.

District	2011		2010		Total 2010
	EW 47	Cum.	EW 47	Cum.	
Kuching	12	570	5	948	961
Bau	26	125	0	209	209
Lundu	0	25	0	80	86
KUCHING	38	720	5	1237	1256
Samarahan	1	122	0	126	127
Asajaya	0	32	0	6	7
Simunjan	0	19	0	36	37
Serian	0	31	0	25	25
SAMARAHAN	1	204	0	193	196
Sri Aman	1	95	1	145	145
Lubok Antu	0	15	0	23	23
SRI AMAN	1	110	1	168	168
Betong	2	54	4	93	103
Saratok	0	35	0	38	38
BETONG	2	89	4	131	141
Sarikei	2	179	0	201	206
Meradong	0	73	0	54	55
Pakan	0	7	0	37	37
Julau	0	32	1	24	24
SARIKEI	2	291	1	316	322
Daro	0	6	0	24	24
Matu	0	2	0	20	20
Mukah	7	81	3	258	259
Dalat	4	27	0	108	108
MUKAH	11	116	3	410	411
Sibu	6	140	2	503	517
Selangau	0	6	2	15	17
Kanowit	0	22	0	44	44
SIBU	6	168	4	562	578
Kapit	1	53	0	115	116
Song	0	11	0	29	29
Belaga	0	51	0	10	10
KAPIT	1	115	0	154	155
Bintulu	0	681	8	588	629
Tatau	0	25	1	23	28
BINTULU	0	706	9	611	657
Miri	0	262	11	892	911
Marudi	2	49	1	101	105
MIRI	2	311	12	993	1016
Limbang	1	63	0	54	54
Lawas	0	4	0	56	56
LIMBANG	1	67	0	110	110
SARAWAK	65	2897	39	4885	5010

EW = Epid. Week



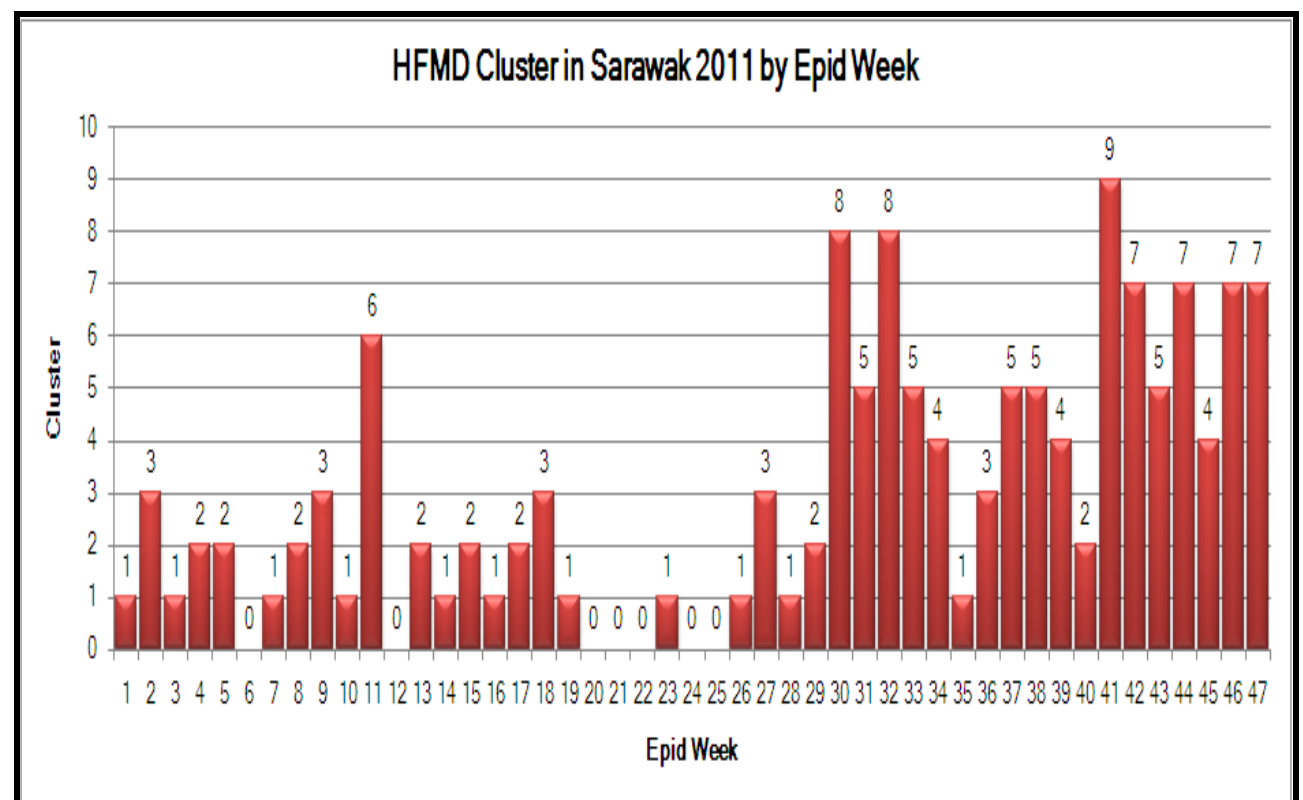
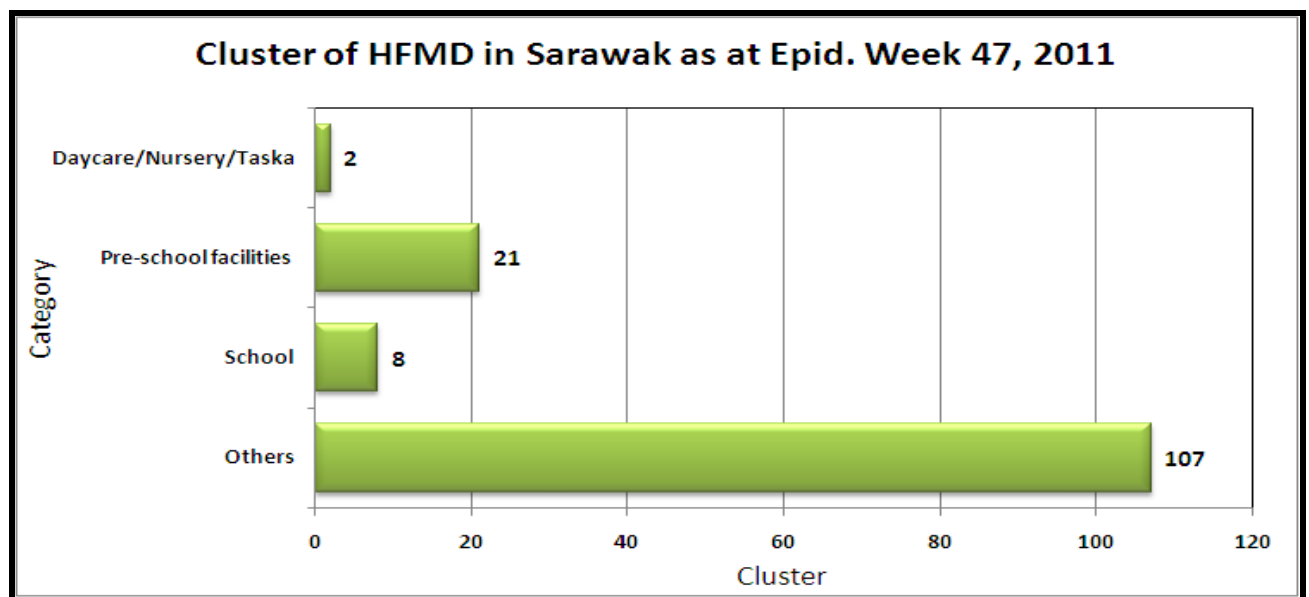
A total of 65 cases were reported in Epid. Week 47, 2011.

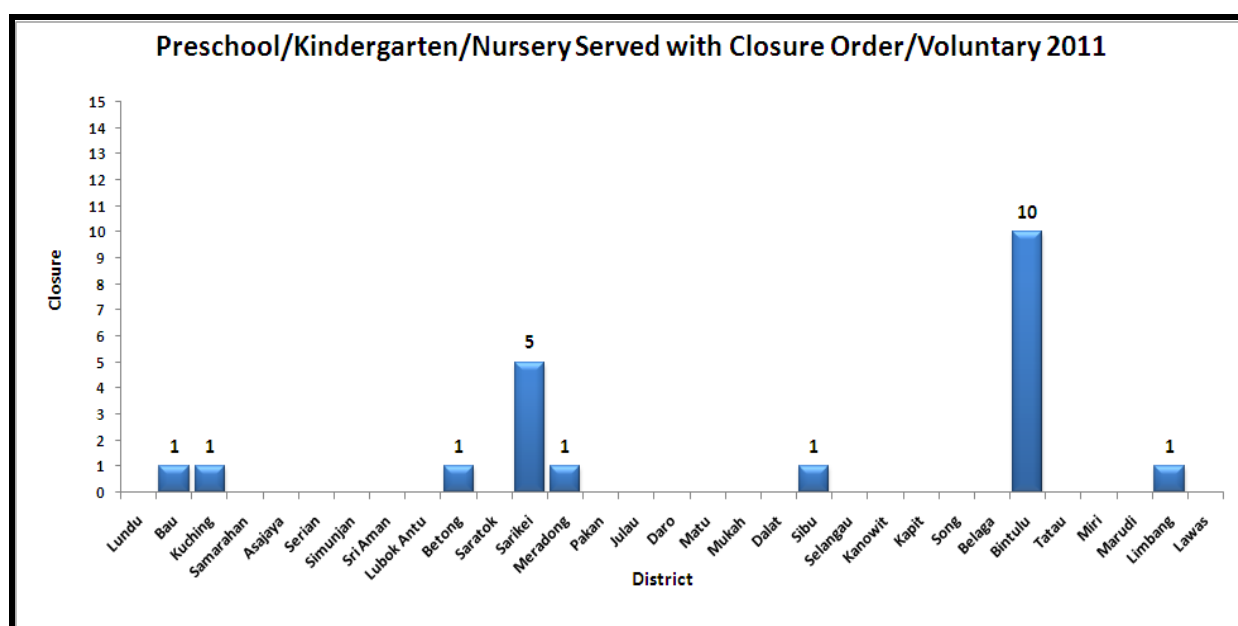
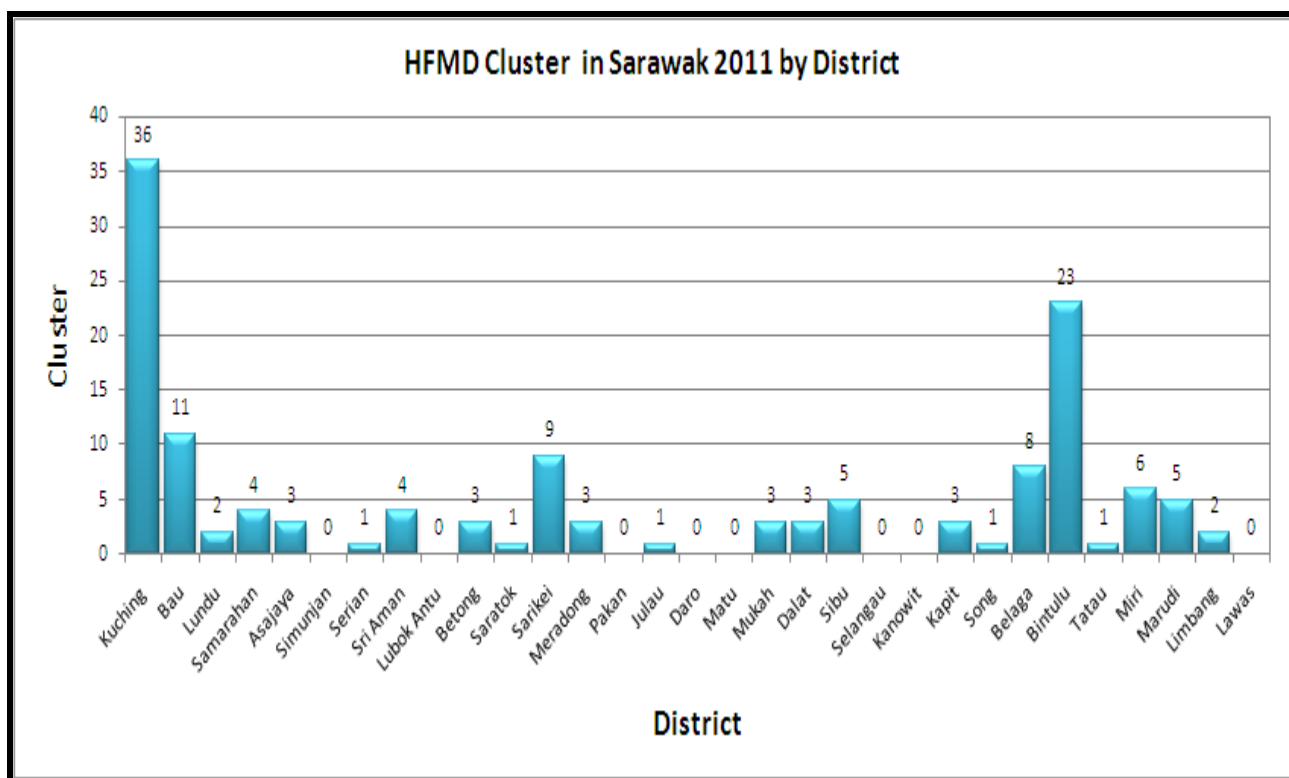
A cumulative total of 2,897 cases reported compared to 4,885 cases during the same period in 2010.

5.2.1. Cumulative HFMD Clusters as of 26th November 2011.

Seven HFMD clusters reported in Epid. Week 46, 2011 involving three family clusters at Bau, a family cluster each from Betong, Song, Bintulu and Dalat districts.

As at 26th November 2011, a total of 138 clusters reported. Of these, 107 (78.0%) were family cluster, 21 (15.22%) were cluster in preschool facilities, eight (5.80%) were in school and two (1.45%) was in *nursery* or day care centre.





5.3. Notified Leptospirosis cases for Epid. Week 47, 2011 compared to Epid. Week 47, 2010 and cumulative cases till Epid. Week 47 in 2011.

District	Case classification (positive)				Total positive leptospirosis	
	Confirmed		Probable		2011	2010
	EW 47/2011	EW 47/2010	EW 47/2011	EW 47/2010		
Bau	0	0	0	0	0	1
Lundu	0	0	0	0	1	0
Kuching	0	0	2	0	34	12
Asajaya	0	0	0	0	3	0
Samarahan	0	0	0	0	5	1
Serian	0	0	2	0	8	2
Simunjan	0	0	1	0	5	1
Sri Aman	0	0	1	0	9	1
Lubok Antu	0	0	0	0	6	3
Betong	0	0	0	0	4	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	1	1
Julau	0	0	0	0	0	1
Dalat	0	0	0	0	0	0
Mukah	0	0	0	0	2	1
Daro	0	0	0	0	1	1
Matu	0	0	0	0	0	0
Sibu	0	0	0	0	2	6
Kanowit	0	0	0	0	3	1
Selangau	0	0	0	0	2	0
Song	0	0	0	0	0	2
Kapit	0	0	0	0	9	1
Belaga	0	0	0	0	4	0
Tatau	0	0	0	0	0	0
Bintulu	0	0	0	1	8	6
Miri	0	0	0	0	5	3
Marudi	0	0	0	0	2	2
Limbang	0	0	0	0	2	1
Lawas	0	0	0	0	0	0
Total	0	0	6	1	123	49

Note: 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 based on patient's recent travelling history (suspected), current place of residence or workplace

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

5.4. Notified Melioidosis cases for Epid. Week 47, 2011 compared to Epid. Week 47, 2010 and cumulative cases till Epid. Week 47 in 2011.

District	Blood test result				Total positive	
	Positive				2011	2010
	Culture		Serology			
	EW 47/2011	EW 47/2010	EW 47/2011	EW 47/2010		
Bau	0	0	0	0	2	0
Lundu	0	0	0	0	0	0
Kuching	0	0	0	0	6	12
Asajaya	0	0	0	0	0	0
Samarahan	0	0	0	0	0	0
Serian	0	0	0	0	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
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
Daro	0	0	0	0	0	0
Matu	0	0	0	0	0	0
Sibu	0	0	0	0	1	5
Kanowit	0	0	0	0	0	1
Selangau	0	0	0	0	1	6
Song	0	0	0	0	1	7
Kapit	0	0	0	0	62	162
Belaga	0	0	0	0	14	28
Tatau	0	0	0	0	4	14
Bintulu	0	0	0	0	5	49
Miri	0	0	0	0	3	35
Marudi	0	0	0	0	1	7
Limbang	0	0	0	0	0	2
Lawas	0	0	0	0	0	1
Total	0	0	0	0	106	343

Note:EW = Epid. Week

District indicate source of infection based on patient's current place of residence or workplace

2011: Number of cases will depend on which Epid. Week results are received.

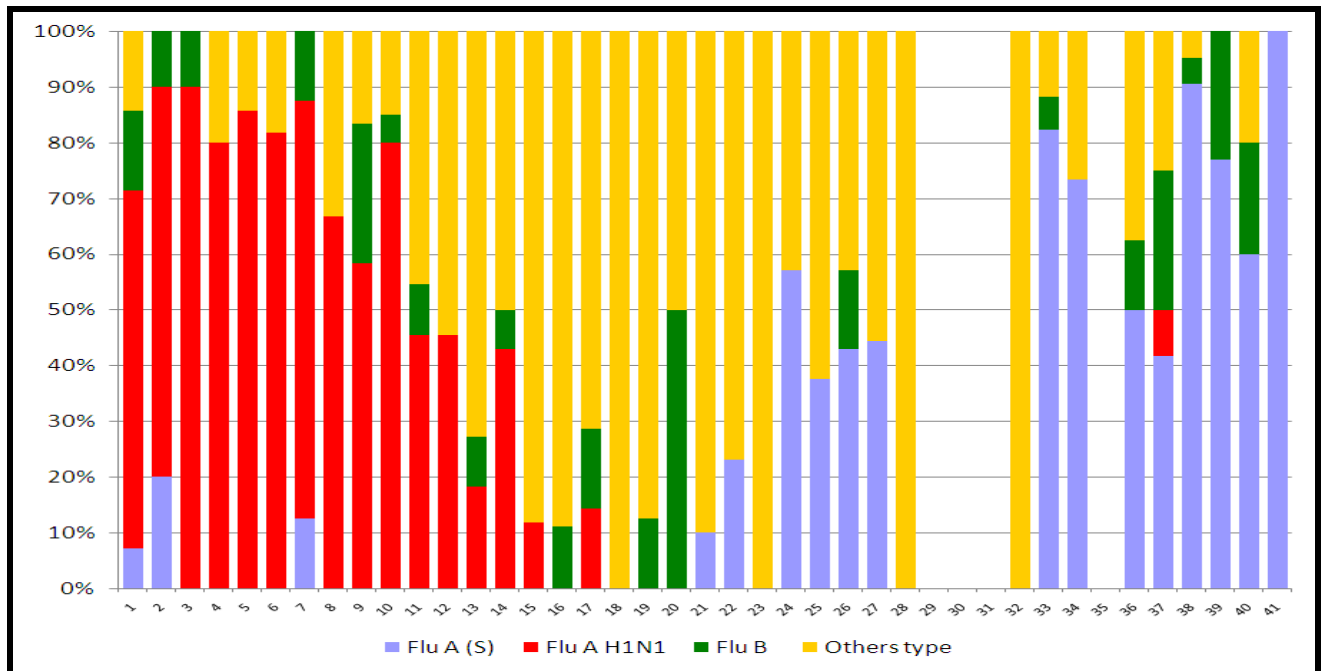
5.4.1. Locality of melioidosis outbreak in Sarawak as at 26th November 2011.

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 based on patient's current place of residence or workplace

6. LABORATORY BASED SURVEILLANCE

6.1. Malaysia Influenza Surveillance System (MISS) (not included Sabah*) from Epid Week 1 till Epid Week 41, 2011.



* specimen from Sabah were analysed at MKAK Kota Kinabalu

In Malaysia, as at Epid Week 41, 2011, a total of 3,064 throat swab specimens were analysed at MKAK Sungai Buloh. Of these, 403 specimens isolated various types of influenza virus i.e. virus Flu AH1N1 (98), Flu A (s) [143], Flu B (25), and other types of virus (137). Other viruses which are under category of others-type: Adenovirus (82), Paramyxovirus (14), RSV (1), Enterovirus (1) and other viruses (39).

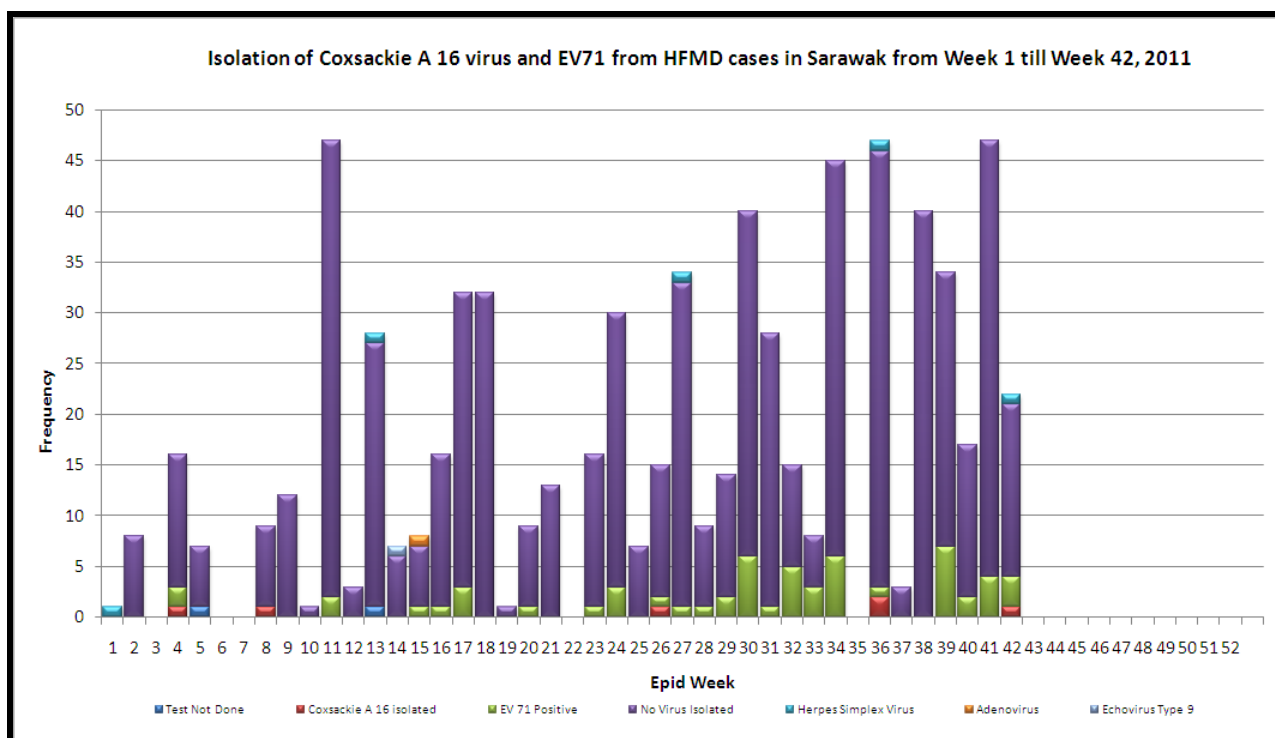
6.2. Laboratory Based Surveillance for Measles in Malaysia

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).

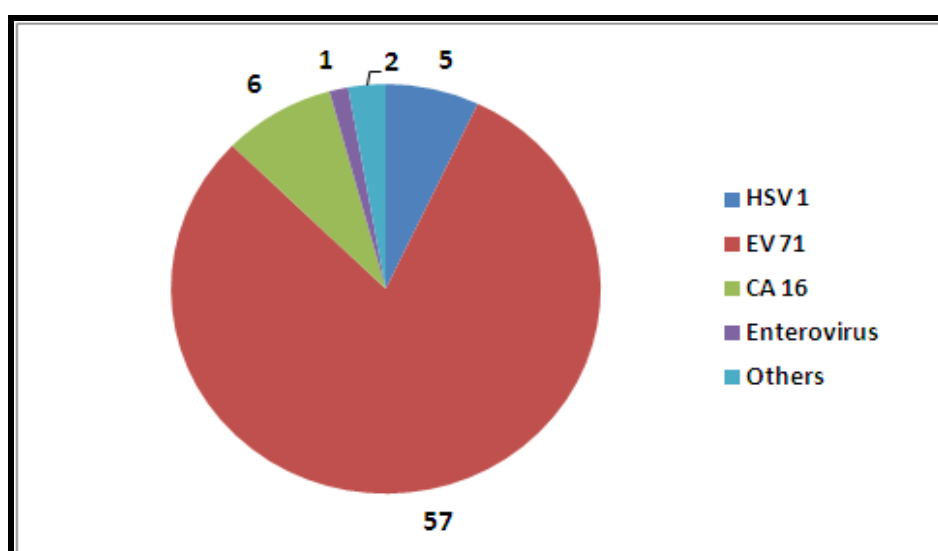
In Sarawak, as at Epid Week 45, 2011, a total of 284 specimens for serology test were to MKAK Sg. Buloh. Of these, 21 specimens were positive for measles IgM and 40 positive for rubella IgM. Only 30 specimens for measles viral isolation from Sarawak were sent to MKAK Sg. Buloh but so far none were positive.

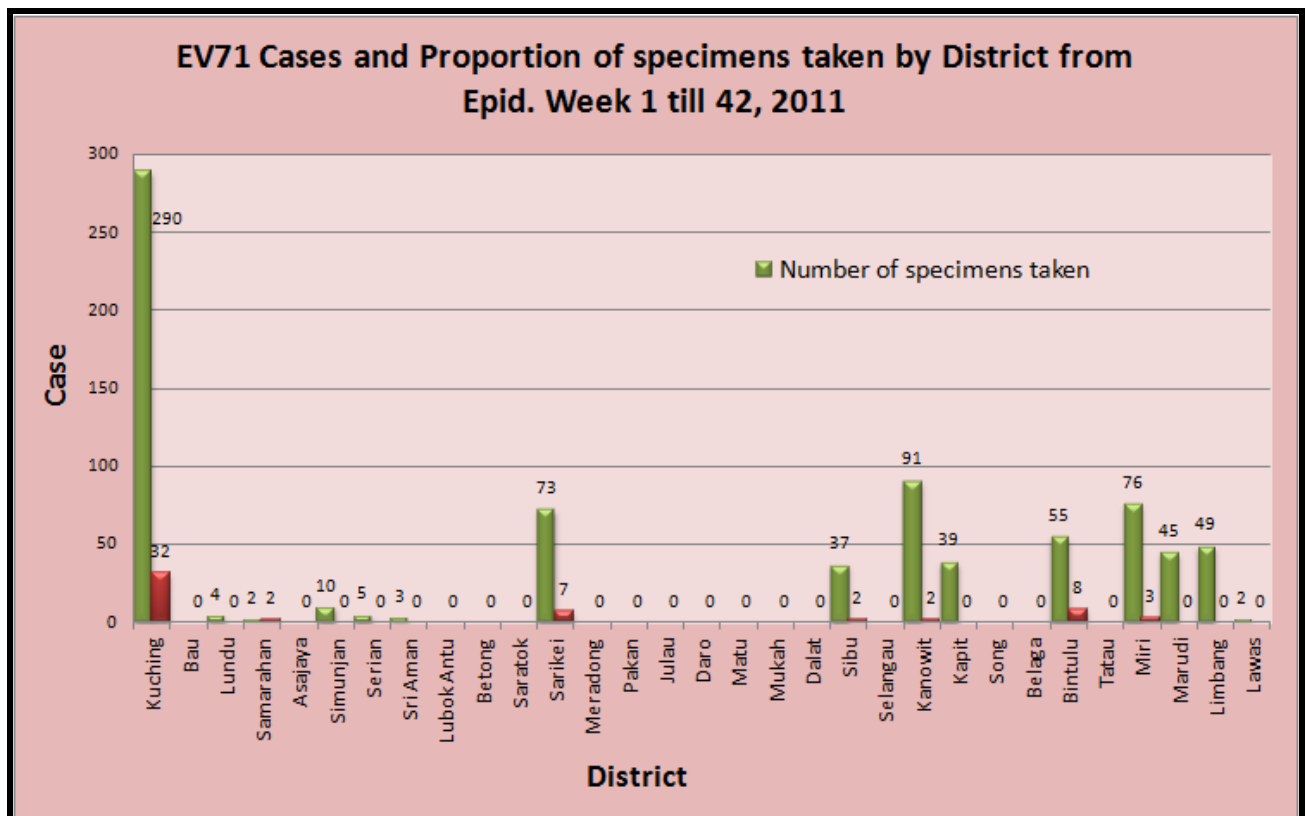
6.3. Laboratory Based Surveillance for HFMD in Sarawak from Epid Week 1 till Epid Week 42, 2011.



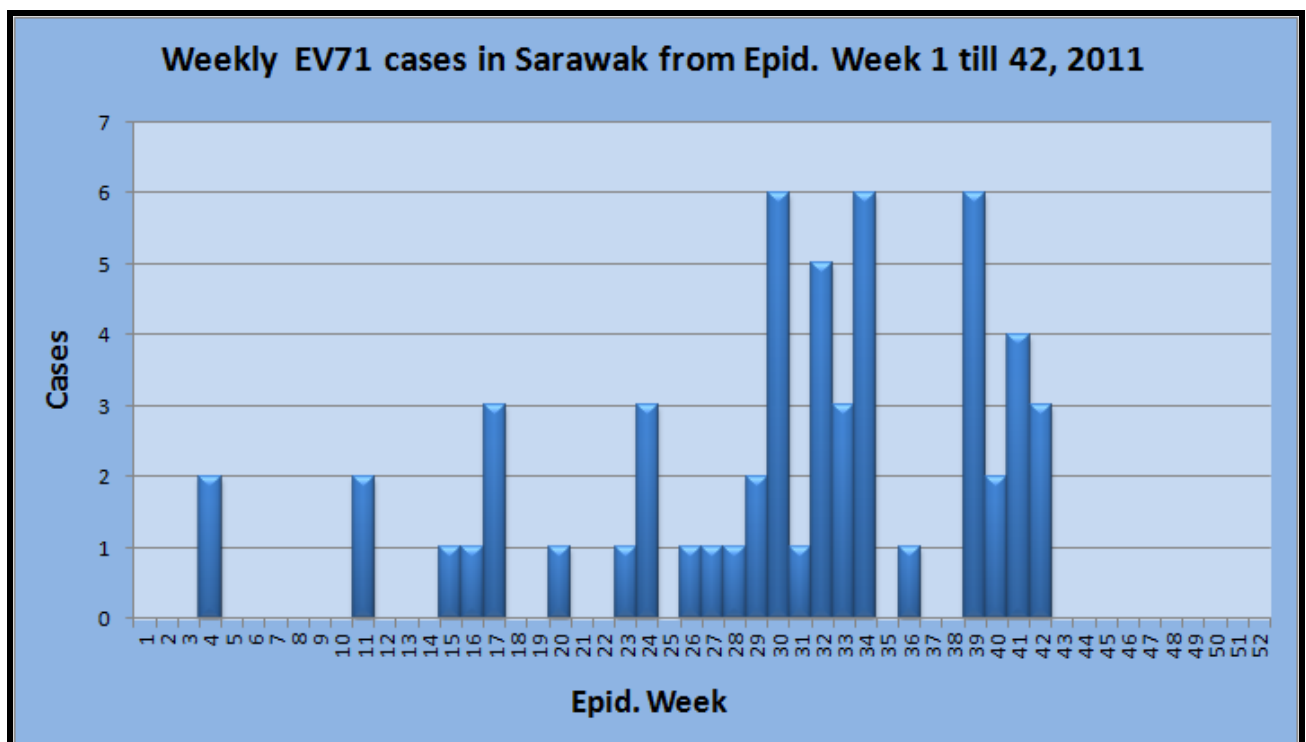
*results from EW 43 onwards are still pending

In Sarawak, as at Epid. Week 42, 2011, a total of 721 specimens were sent to MKAK Sg. Buloh for viral isolation. Of these, 71 specimens isolated viruses: EV71 (57), Coxsackie A16 (6), Herpes Simplex (HSV 1) [5], Adenovirus (1) and Echovirus Type 9 (2).





*results from EW 43 onwards are still pending



*results from EW 43 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).

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 26th November 2011):

Bil.	Nama/Jawatan	Alamat	Email	Telefon/Faks/No. Hp
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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.