



SARAWAK

WEEKLY EPID NEWS

Sarawak Health Department

WEEK 48

27th Nov. - 3rd Dec. 2011

INFECTIOUS DISEASE/CRISIS HIGHLIGHTS IN SARAWAK

In. Epid. Week 48, 2011, Sarawak Health Department received reports of two cases of food poisoning, five clusters of HFMD 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	Food Poisoning	Sibu	Lorong 52F, Ulu Sungai Merah, Sibu	2	28.11.2011
2	HFMD	Bau	Kampung Grogo	2	1.12.2011
3			Jalan Banglow	2	29.11.2011
4		Betong	Kampung Masjid, Jalan Datuk Patinggi Udin	4	29.11.2011
5		Dalat	Kampung Tanam	2	30.11.2011
6		Sarikei	Tiong Soon Height Garden	2	30.11.2011
7	Dengue	Tatau	Rumah Pekerja, Ladang Bumimas, Sg. Seterus	2	1.11.2011

There were seven clusters/outbreaks were reported in Epid. Week 48, 2011 to Sarawak Health Department.

3. MANDATORY NOTIFIABLE DISEASES REPORTED IN EPID. WEEK 48, 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									1							
Bau						1					11																
Kuching						1				3	13										3						
Samarahan											1										4						
Asajaya									1										2		1						
Simunjan						1															3						
Serian											2										1						
Sri Aman											1																
L/ Antu																											
Betong						1					2		2														
Saratok																											
Sarikei						1					3																
Meradong																											
Pakan/Julau													2								1						
Daro																					1						
Matu											1																
Dalat											3		1														
Mukah											1																
Sibu	2/0					1			2		3		2								2						
Kanowit																											
Selangau																											
Song													1														1
Kapit													3		1												
Belaga													4														1
Tatau						2																					
Bintulu											12																
Miri						2					10		2								3						2
Marudi													17														
Limbang											2										2						
Lawas						3							2								1						
TOTAL (Week 48)	2/0	0	0	0	0	13	0	0	2	4	66	0	36	0	1	0	0	0	2	0	23	0	0	0	0	0	4
Total (2011)	85/62	0	0	252	0	890	9	0	1318	415	3009	20	1578	34	288	0	0	0	184	1	1748	6	0	137	26	0	133
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

One outbreak of food poisoning involving two cases was reported in Epid. Week 48, 2011.

The cumulative total of food poisoning cases until Epid. Week 48 were remained as 1,318 cases that consist of 54 outbreaks. Out of 54 outbreaks, 26 (49.06%) involved schools (14 primary; 12 secondary).

3.1.3. Cholera

No case reported in Epid. Week 48, 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 48, 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 48, 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. Notified Vaccine Preventable diseases cases for Epid. Week 48, 2011

Type Of Diseases	District	No.of Cases	Locality	Case No	Age	Race	Gender	Investigation Report
Measles	Kapit	1	Rh.Robert, Ng. Sebatu Btg.Rajang	M1	1 yr	Iban	Boy	Presented with fever, coryza with body rash. No history of travelling uotside Kapit. Measles outbreak in Kapit Division at the moment. MMR vaccination not yet given. Blood sample taken, result still pending
Hepatis B		No case						
Hepatitis C		No case						
Whooping Cough		No case						
Difteria		No case						
Polio		No case						
Tetanus		No case						

3.2.2. Total Reported Vaccine Preventable Diseases Cases by Division from Epid Week 1 until Epid. Week 48, 2011

Division	TYPES OF DISEASES													
	Difteria		Measles		Polio		Tetanus		Whooping Cough		Hepatis B		Hepatis 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	16	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	127	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	288	19	0	0	0	0	34	7	23	46	18	50

3.2.3 Measles (data derived from SM2)

One suspected measles case was reported in Epid. Week 48, 2011, from Rh. Robert, Nanga Sebatu, Batang Rajang, Kapit involving a one year Iban boy.

NO	District	Address	Age	Gender	Race	Immunization Status	Remark
1	Serian	Kampung Mentu Tapu, Serian	3mth	Male	Bidayuh	Not Eligible	Lab Confirmed
2	Samarahan	3 WKSP Brigade, Kem Penrissen Batu 8 Jalan Kuching Serian	11mth	Female	Malay	Not Eligible	Lab Confirmed
3	Kuching	No.39, Lorong 3, Kitang Height, Jalan Kuching Bau, Kuching	1yr	Male	Pakistani	Given 1 dose - post measles	Lab Confirmed
4	Kuching	B4-1-3, Haatana Apartment Demak Laut, Jalan Bako, Kuching	5mth	Female	Malay	Not Eligible	Lab Confirmed
5	Miri	SPAD Ladang 2, Sg.Tangit, Bekenu Miri	7mth	Female	Melanau	Not Eligible	Lab Confirmed
6	Miri	S/L 1388-1390, Blok 3, MCLD Piasau Miri	39yrs	Male	Chinese	Unknown	Lab Confirmed
7	Bintulu	Kuarters Pekerja Hup Sen Fertilizer, Kidurong Bintulu	9mth	Male	Iban	Not Eligible	Lab Confirmed
8	Kuching	No.11, Lorong 16, Blok C Kampung Haji Baki, Kuching	1yr	Male	Malay	Given 1 dose	Vaccine Related Onset 1 week after vaccination
9	Miri	RPR Jaya Taman Permai Miri	4mth	Female	Iban	Not Eligible	Lab Confirmed
10	Kuching	No.17, Jalan Patinggi Ali Barat, Kampung No.4, Jalan Abell, Kuching	27yrs	Female	Indonesian	Unknown	Coming to Kuching to visit relatives
11	Kuching	No.222, Lot 2574, Lorong B3, Kampung Tunku Kuching	8mth	Female	Melayu	Not Eligible	Lab Confirmed
12	Samarahan	Kem Penrissen Batu Lapan, Jalan Kuching Serian	5yrs	Male	Iban	Not Sure-Can't Find U-7 card	Lab Confirmed
13	Miri	Shoptlot CM2, Jalan Kwan Tung Miri	1yrs	Female	Iban	Not yet given	Lab Confirmed
14	Lawas	Ladang Sawit Merapok	2yrs	Male	Indonesian	No Immunization	Lab Confirmed
15	Lawas	Ladang Sawit Merapok	22yrs	Female	Indonesian	No Immunization	Lab Confirmed
16	Lawas	Ladang Sawit Merapok	4yrs	Female	Indonesian	No Immunization	Lab Confirmed
17	Lawas	Ladang Sawit Merapok	2yrs	Female	Indonesian	No Immunization	Lab Confirmed
18	Lawas	Ladang Sawit Merapok	10mth	Male	Indonesian	No Immunization	Lab Confirmed
19	Samarahan	Kpg Kuap Mealyu	28yrs	Male	Malay	Unknown	Case notified after Lab result
20	Kuching	No.237, lot 2221, Lorong Sungai Maong 5, Green Road, Kuching	1yrs	Male	Chinese	? Not Given YET	Lab investigation done and confirmed IgM positive by Gribbles Lab
21	Kapit	Rh.Ajai, Sg.Kapit, Kapit	30yrs	Male	Iban		Lab Result EW 44 From MKAK
22	Kapit	Taman Ixora Jalan Selirik, Kapit	26yrs	Female	Iban	Not sure	
23	Kapit	Taman Ixora Jalan Selirik, Kapit	11mth	Female	Iban	Not eligible	
24	Kapit	Jalan Airport Kapit	6yrs	Male	Iban	Not given - parent strongly refused	
25	Kapit	SK Nanga Balang Gaat,Kapit	29yrs	Female	Malay	Not Sure	
26	Kapit	Rh John Sg. Sesibau, Kapit	9mth	Male	Iban	Not Eligible	

3.2.3.2 Clinically confirmed measles from Epid. Week 1 until Epid. Week 48, 2011

NO	District	Address	Age	Gender	Race	Immunization Status	Remark
1	Marudi	Lot 214, Kampung Pemindahan Marudi	20	Male	Malay	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 conjunctivities

The cumulative total of suspected measles cases was 288. Of these, 25 cases were confirmed by positive IgM measles. There was also one clinically confirmed case.

3.2.4. Pertussis

No case of suspected pertussis was reported in Epid. Week 48, 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 48, 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 48, 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 48, 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 from Sibu district were reported in Epid. Week 48, 2011.

The cumulative total HIV cases were 155 and all were adults. The cumulative total AIDS cases were remained as 77.

3.3.2. Gonorrhoea

Four gonorrhoea cases were reported in Epid. Week 48, 2011. The cases were from Kuching (3) and Asajaya (1) district.

Out of the cumulative total of 415 cases reported, 413 were adults and only two cases confirmed as gonococcal neonatorum.

3.3.3. Syphilis

Two syphilis cases from Asajaya were reported in Epid. Week 48, 2011.

The cumulative total of syphilis cases were 184.

3.4. Surveillance Report on TB and leprosy

3.4.1. Tuberculosis (all forms)

In Epid Week 48, a total of 23 cases were reported bringing a cumulative total of 1,748 cases was reported.

Out of 1,748 cases reported in 2011, 85 (4.86%) 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

No confirmed case of *Japanese encephalitis* reported in Epid. Week 48, 2011.

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

No case of filariasis reported in Epid. Week 48, 2011.

The cumulative total cases of filariasis is seven.

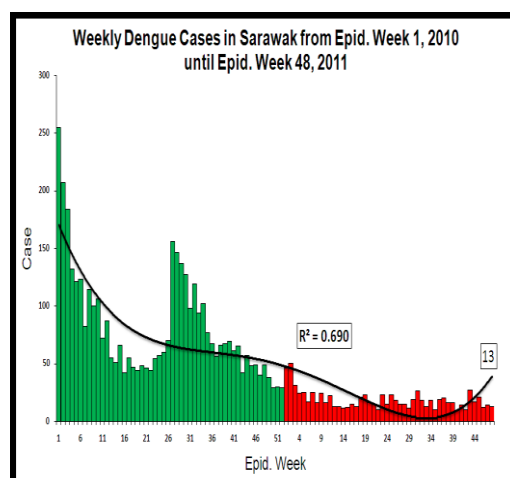
Note: Vector borne diseases and emerging and re-emerging infectious diseases will be discussed in their respective chapter.

4. VECTOR BORNE DISEASES: DENGUE, MALARIA AND CHIKUNGUNYA

4.1. Notified Dengue cases for Epid. Week 48, 2011 compared to Epid. Week 48, 2010 and cumulative cases till Epid. Week 48 in 2010.

District	2011		2010		Total
	EW 48	Cum.	EW 48	Cum.	
Lundu	0	10	1	67	69
Bau	1	29	3	121	123
Kuching	1	102	6	462	473
Samarahan	0	21	0	93	97
Asajaya	0	4	0	10	10
Serian	0	17	1	136	140
Simunjan	1	15	1	44	47
Sri Aman	0	49	1	91	96
Lubok Antu	0	23	1	51	53
Betong	1	12	1	25	30
Saratok	0	10	0	20	20
Sarikei	1	26	0	89	91
Meradong	0	12	1	52	53
Pakan	0	21	1	28	30
Julau	0	15	0	19	20
Daro	0	6	2	92	95
Matu	0	1	0	25	25
Dalat	0	3	2	12	14
Mukah	0	5	0	38	39
Sibu	1	69	9	995	1021
Kanowit	0	30	1	63	64
Selangau	0	10	1	29	32
Song	0	10	0	14	16
Kapit	0	27	0	158	158
Belaga	0	26	0	35	39
Tatau	2	38	3	37	40
Bintulu	0	95	3	230	237
Miri	2	116	3	798	816
Marudi	0	55	2	122	126
Limbang	0	19	3	128	131
Lawas	3	14	3	30	35
Sarawak	13	890	49	4114	4240

EW = Epid. Week



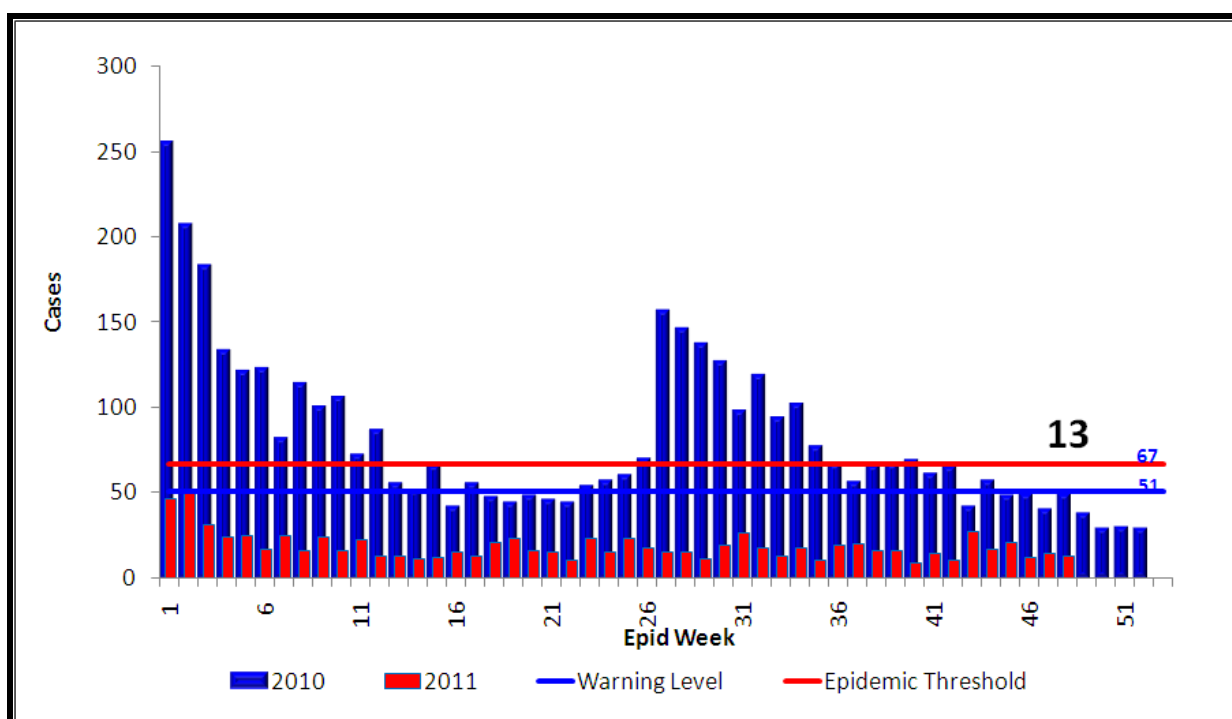
In 2011, a total of 13 dengue cases were reported for Epid. Week 48, 2011 as compared to 49 cases during the same period in 2010.

One new outbreak locality reported at Tatau district but no uncontrolled outbreak is reported.

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

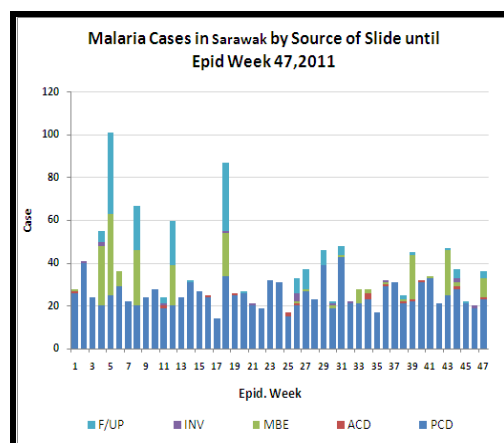
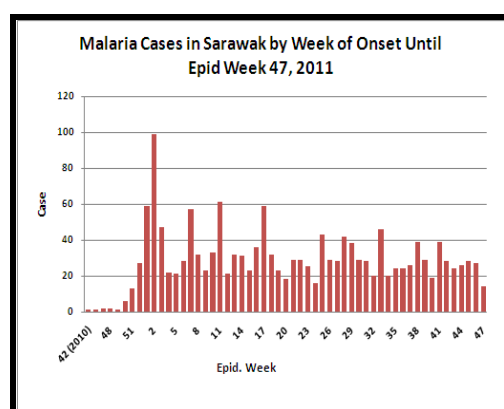
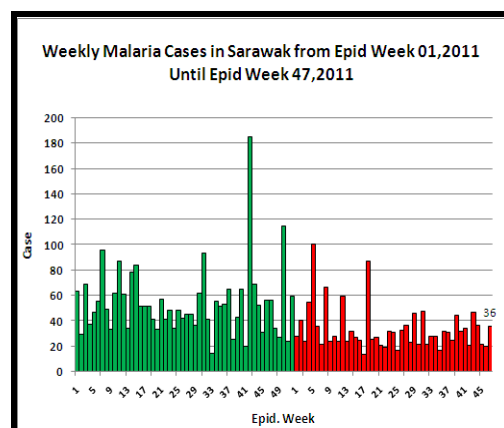
1. Miri
2. Kuching
3. Bintulu
4. Sibu
5. Marudi

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



4.2. Notified Malaria 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	31	0	71	72
Bau	0	4	0	9	9
Kuching	0	23	1	24	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	0	22	0	16	16
Betong	2	39	0	11	15
Saratok	0	3	0	4	4
Sarikei	0	16	0	8	8
Meradong	0	9	0	3	3
Pakan	2	26	0	14	14
Julau	0	64	1	28	34
Daro	0	2	0	0	1
Matu	0	0	0	0	1
Dalat	1	9	0	13	14
Mukah	0	2	0	6	6
Sibu	2	41	4	38	43
Kanowit	0	76	0	63	65
Selangau	0	15	1	9	9
Song	1	66	1	43	46
Kapit	3	199	5	124	134
Belaga	4	122	7	283	300
Tatau	0	28	0	12	12
Bintulu	0	37	0	30	39
Miri	2	37	0	28	32
Marudi	17	620	34	1550	1734
Limbang	0	17	0	27	29
Lawas	2	29	2	33	33
Sarawak	36	1578	56	2543	2802



A total of 36 cases were reported on week 47, 2011. Cumulative cases till week 47 were 1578 cases. Of the 1578 cases, 620 cases (39.3%) from Marudi District, 199 cases (13%) from Kapit District and 122 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 47	Epid. Week 1 – Epid. Week 47
Passive Case Detection (PCD)	23	1177
Active Case Detection (ACD)	1	15
Investigation slides (INV)	0	16
Mass Blood Survey (MBS)	9	208
Follow-up	3	162
Total	36	1578

4.2.2. Case by species

Species	Epid. Week 47	Epid. Week 1 – Epid. Week 47
<i>Plasmodium vivax</i>	22	880
<i>Plasmodium falciparum</i>	1	83
<i>Plasmodium malariae</i>	6	294
<i>Plasmodium knowlesi</i>	7	315
<i>Plasmodium ovale</i>	0	1
Mixed infection	0	5
Total	36	1578

4.2.3. Case classification

Classification	Epid. Week 47	Epid. Week 1 – Epid. Week 47
Indigenous	31	1366
*Imported A	5	210
Relapsed	0	1
Congenital	0	1
Total	36	1578

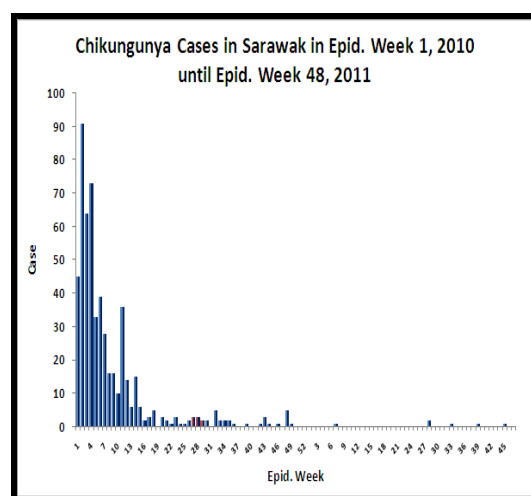
4.2.4. The summary of the *Imported A cases

No.	District reported	Source of infection	Nationality	Age	Gender	Address in Sarawak	Species
1	Sibu	KKB Amanab 56, Papua New Guinea	Malaysian	54	Male	No. 2A, Jalan Sibu Jaya 7F, Sibu	<i>P. vivax</i>
2	Kapit	KKB Cima, Bata, Africa	Malaysian	51	Male	KM 7, Jalan Bukit Goram, Kapit	<i>P. vivax</i>
3		KKB Rimbunan Hijau, Rabau, Papua New Guinea	Malaysian	29	Male	Nanga Sebabu, Rumah Chambok, Kapit	<i>P. vivax</i>
4	Dalat	KKB Amanab, Papua New Guinea	Malaysian	49	Male	Kampung Medong, Dalat	<i>P. falciparum</i>
5	Belaga	KKB Taman, Congo, Africa Selatan	Malaysian	28	Male	Lg. Bulan, Sang Anau, Belaga	<i>P. vivax</i>

4.3. Notified Chikungunya cases for Epid. Week 48, 2011 compared to Epid. Week 48, 2010 and cumulative cases till Epid. Week 48 in 2010.

District	2011		2010		
	EW 48	Cum.	EW 48	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	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	5	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	5	549	550

EW = Epid Week



No case of chikungunya was reported in Epid. Week 48, 2011. The cumulative total of Chikungunya case in 2011 is remained as six.

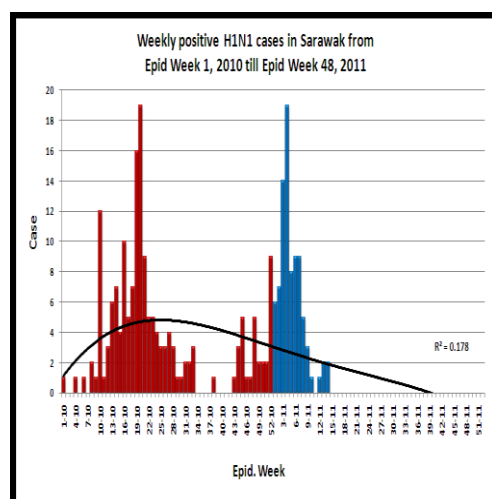
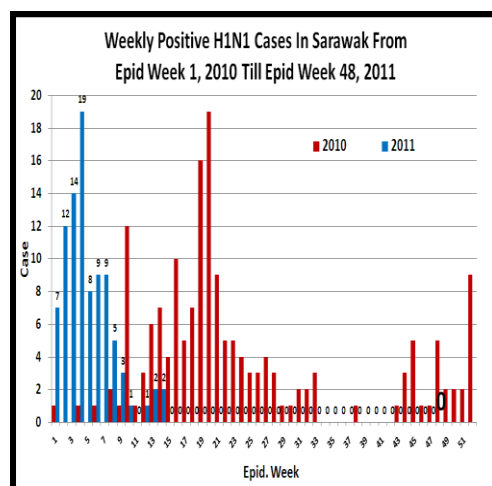
5. EMERGING/RE-EMERGING INFECTIOUS AND ZONOTIC DISEASES

5.1. H1N1

5.1.1 Positive Pandemic Influenza A (H1N1) cases for Epid. Week 48, 2011 compared to Epid. Week 48, 2010 and cumulative cases till Epid. Week 48 in 2011.

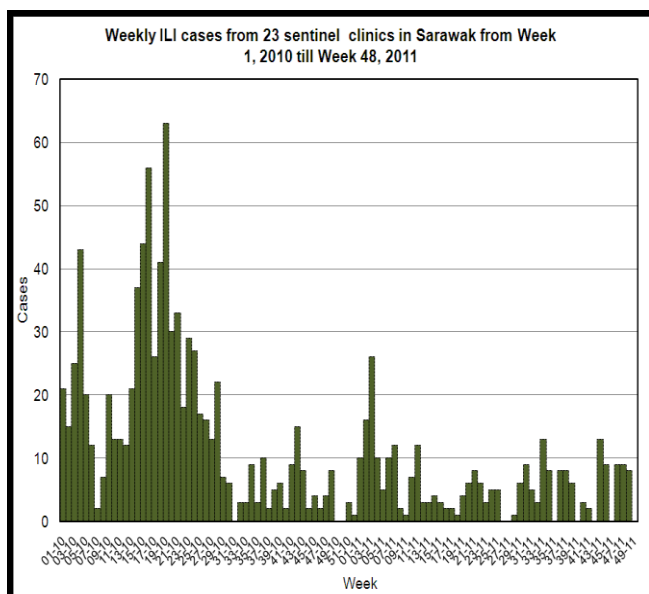
District	2011		2010		Total
	EW 48	Cum.	EW 47	Cum.	
Lundu	0	1	0	8	9
Bau	0	0	0	1	1
Kuching	0	51	2	55	61
Samarahan	0	0	0	8	8
Simunjan	0	0	0	3	4
Serian	0	0	0	2	2
Sri Aman	0	0	0	4	4
Lubok Antu	0	0	0	0	0
Betong	0	1	0	0	0
Saratok	0	0	0	0	0
Sarikei	0	0	0	2	2
Meradong	0	0	0	0	0
Julau	0	0	0	0	0
Daro	0	0	0	0	0
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	2	151	161

EW = Epid. Week



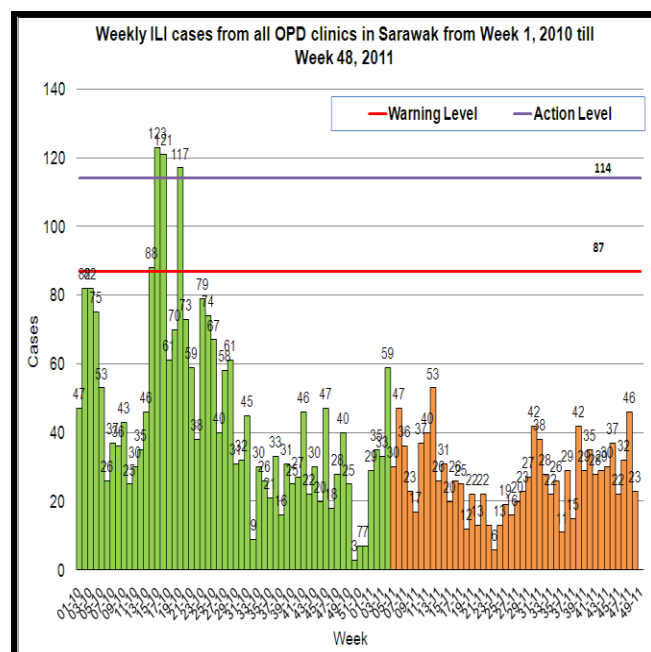
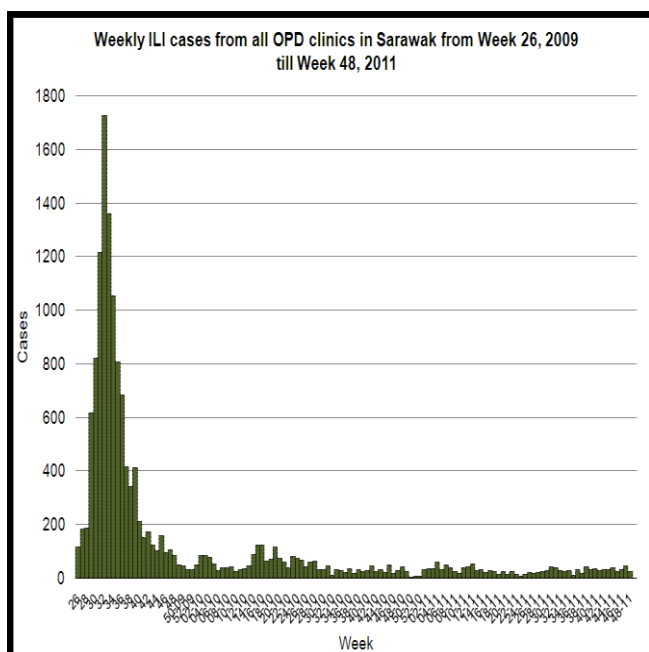
No H1N1 positive case was reported in Epid. Week 48, 2011. The cumulative total cases in 2011 were 92 cases.

5.1.2 Outpatient Influenza-Like Illness (ILI) Surveillance from Epid. Week 1 in 2010 till Epid. Week 48 in 2011.



In Epid. Week 48, 2011, eight 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**.

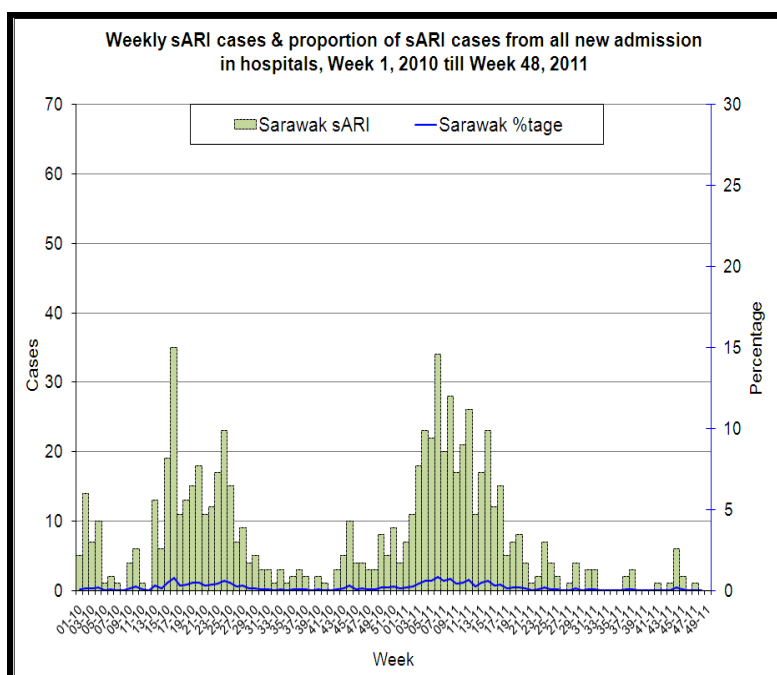
5.1.3. New and Cumulative ILI Clusters as of 3rd December 2011.

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 3rd December 2011.

Division	Hospital	New EW 48	Cumulative 2011	No. of Inpatient			No. of Patient on Ventilator	Throat swabs		
				ICU	ISO	Other wards		Positive	Pending	Negative
Kuching	SGH Kuching	1	169	1	0	0	1	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	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		1	472	1	0	0	1	0	0	1

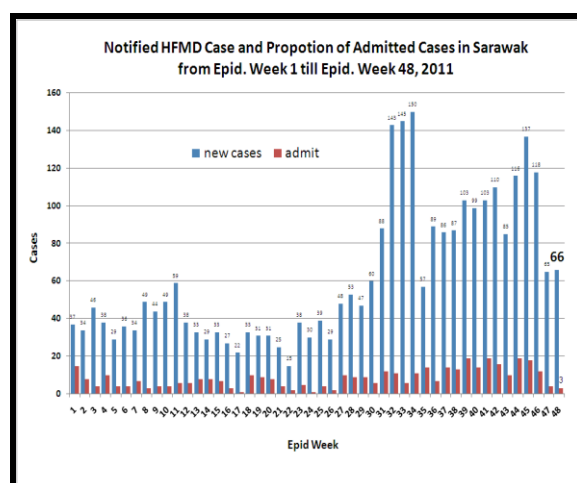
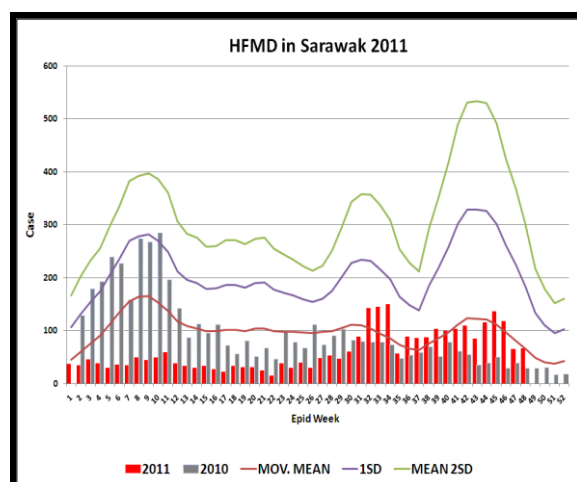
EW = Epid. Week

One sARI case was reported in Epid. Week 48, 2011 but negative laboratory result for Influenza AH1N1

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 48	Cum.	Ew 48	Cum.	
Kuching	13	587	2	950	961
Bau	11	136	0	209	209
Lundu	1	1	1	81	86
KUCHING	25	699	3	1240	1256
Samarahan	1	122	0	126	127
Asajaya	0	32	0	6	7
Simunjan	0	19	0	36	37
Serian	2	35	0	25	25
SAMARAHAN	3	208	0	193	196
Sri Aman	1	97	0	145	145
Lubok Antu	0	15	0	23	23
SRI AMAN	1	112	0	168	168
Betong	2	56	0	93	103
Saratok	0	35	0	38	38
BETONG	2	91	0	131	141
Sarikei	3	190	0	201	206
Meradong	0	78	0	54	55
Pakan	0	7	0	37	37
Julau	0	31	0	24	24
SARIKEI	3	306	0	316	322
Daro	0	6	0	24	24
Matu	1	3	0	20	20
Mukah	1	82	1	259	259
Dalat	3	33	0	108	108
MUKAH	5	124	1	411	411
Sibu	3	141	3	506	517
Selangau	0	6	0	15	17
Kanowit	0	22	0	44	44
SIBU	3	169	3	565	578
Kapit	0	52	0	115	116
Song	0	11	0	29	29
Belaga	0	52	0	10	10
KAPIT	0	115	0	154	155
Bintulu	12	711	9	597	629
Tatau	0	25	4	27	28
BINTULU	12	736	13	624	657
Miri	10	279	6	898	911
Marudi	0	52	3	104	105
MIRI	10	331	9	1002	1016
Limbang	2	64	0	54	54
Lawas	0	4	0	56	56
LIMBANG	2	68	0	110	110
SARAWAK	66	3009	29	4914	5010

EW = Epid. Week



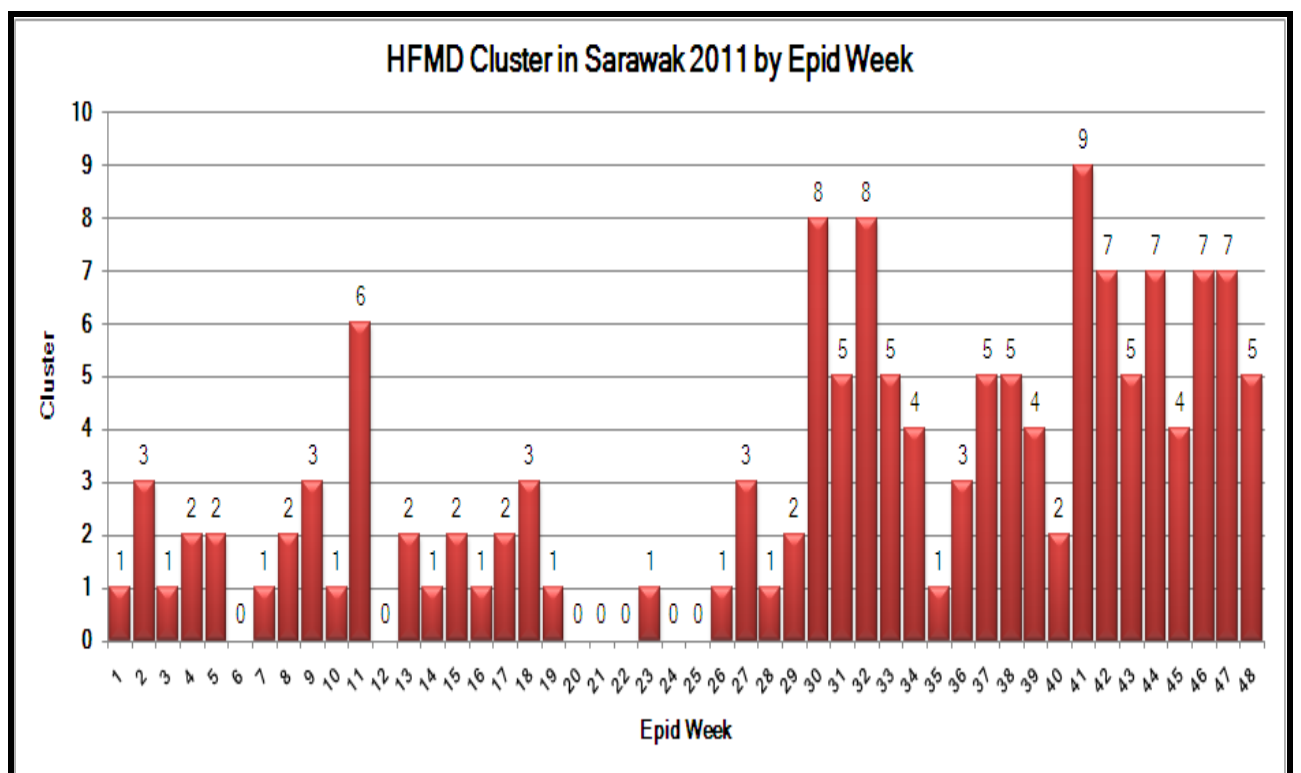
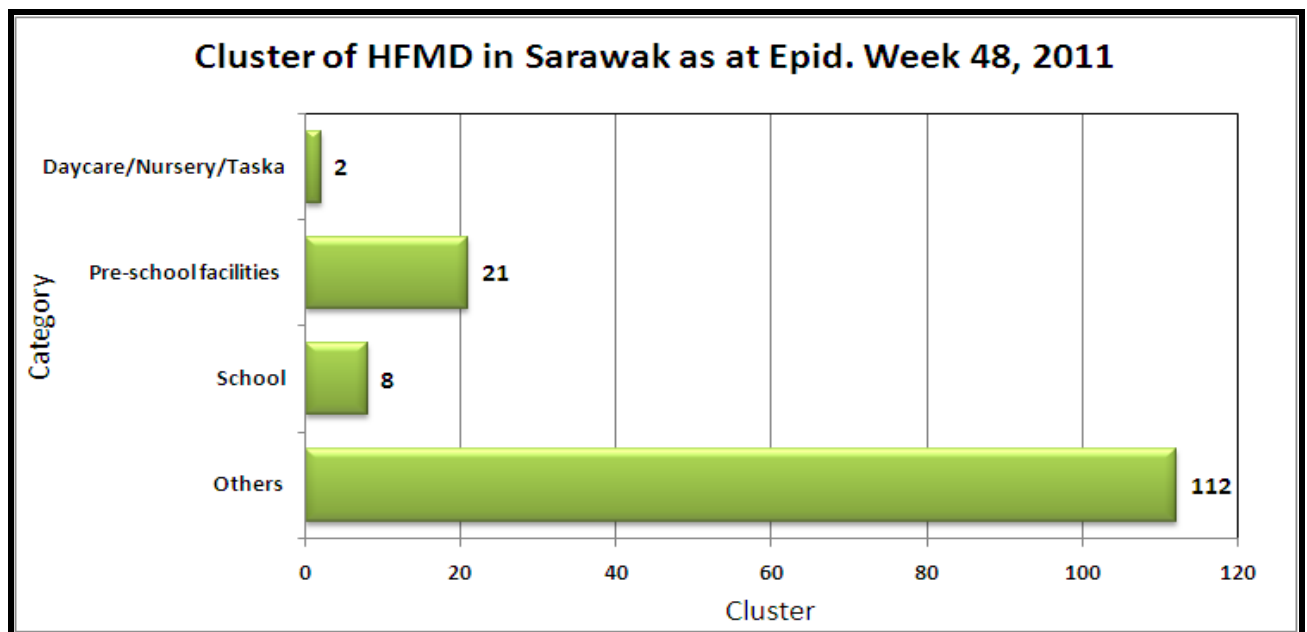
A total of 66 cases were reported in Epid. Week 48, 2011.

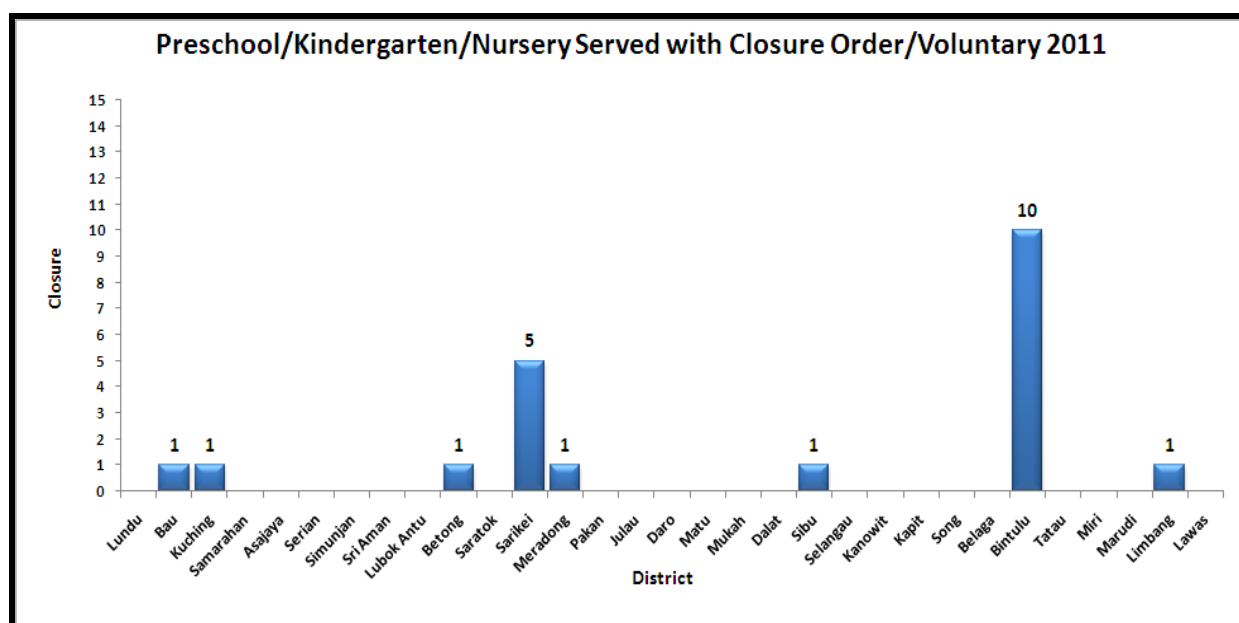
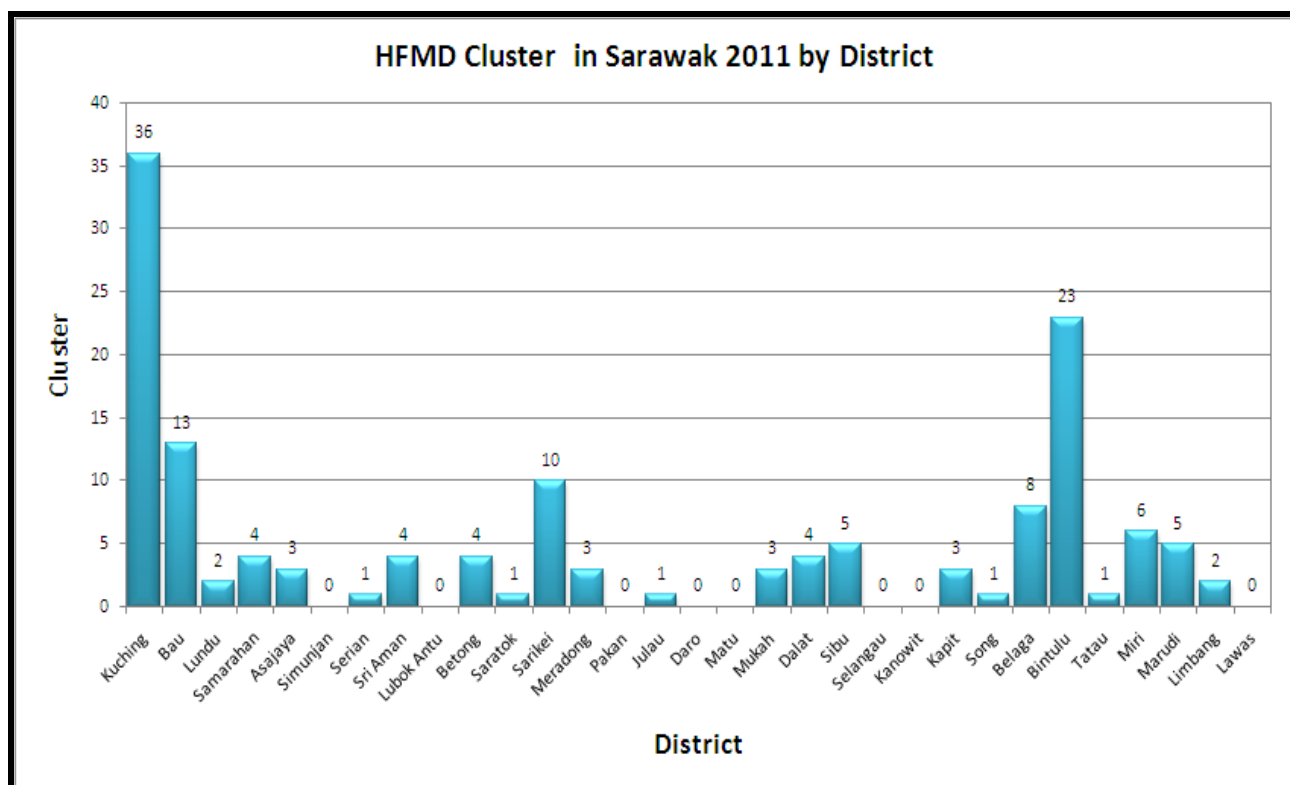
A cumulative total of 3,009 cases reported compared to 4,914 cases during the same period in 2010.

5.2.1. Cumulative HFMD Clusters as of 3rd November 2011.

Five HFMD clusters reported in Epid. Week 48, 2011 involving family clusters at Bau (2), Betong (1), Sarikei (1) and Dalat (1) districts.

As at 3rd December 2011, a total of 143 clusters reported. Of these, 112 (78.32%) were family cluster, 21 (14.69%) were cluster in preschool facilities, eight (5.59%) were in school and two (1.40%) was in *nursery* or day care centre.





5.3. Notified Leptospirosis cases for Epid. Week 48, 2011 compared to Epid. Week 48, 2010 and cumulative cases till Epid. Week 48 in 2011.

District	Case classification (positive)				Total positive leptospirosis	
	Confirmed		Probable		2011	2010
	EW 48/2011	EW 48/2010	EW 48/2011	EW 48/2010		
Bau	0	0	1	0	1	1
Lundu	0	0	0	0	1	0
Kuching	0	1	0	0	34	12
Asajaya	0	0	0	0	3	0
Samarahan	0	0	0	0	5	1
Serian	0	0	0	0	8	2
Simunjan	0	0	0	0	5	1
Sri Aman	0	0	0	0	9	1
Lubok Antu	0	0	2	0	8	3
Betong	0	0	0	0	4	0
Saratok	0	0	0	0	7	0
Sarikei	0	0	0	1	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
Belawai	0	0	1	0	1	0
Sibu	0	0	1	0	3	6
Kanowit	0	0	0	0	3	1
Selangau	0	0	0	0	2	0
Song	1	0	0	0	1	2
Kapit	0	0	0	0	9	1
Belaga	1	0	0	0	5	0
Tatau	0	0	0	0	0	0
Bintulu	2	1	1	0	10	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	4	2	6	1	133	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 48, 2011 compared to Epid. Week 48, 2010 and cumulative cases till Epid. Week 48 in 2011.

District	Blood test result				Total positive	
	Positive				2011	2010
	Culture		Serology			
	EW 48/2011	EW 48/2010	EW 48/2011	EW 48/2010		
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
Belawai	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	1	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	1	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.

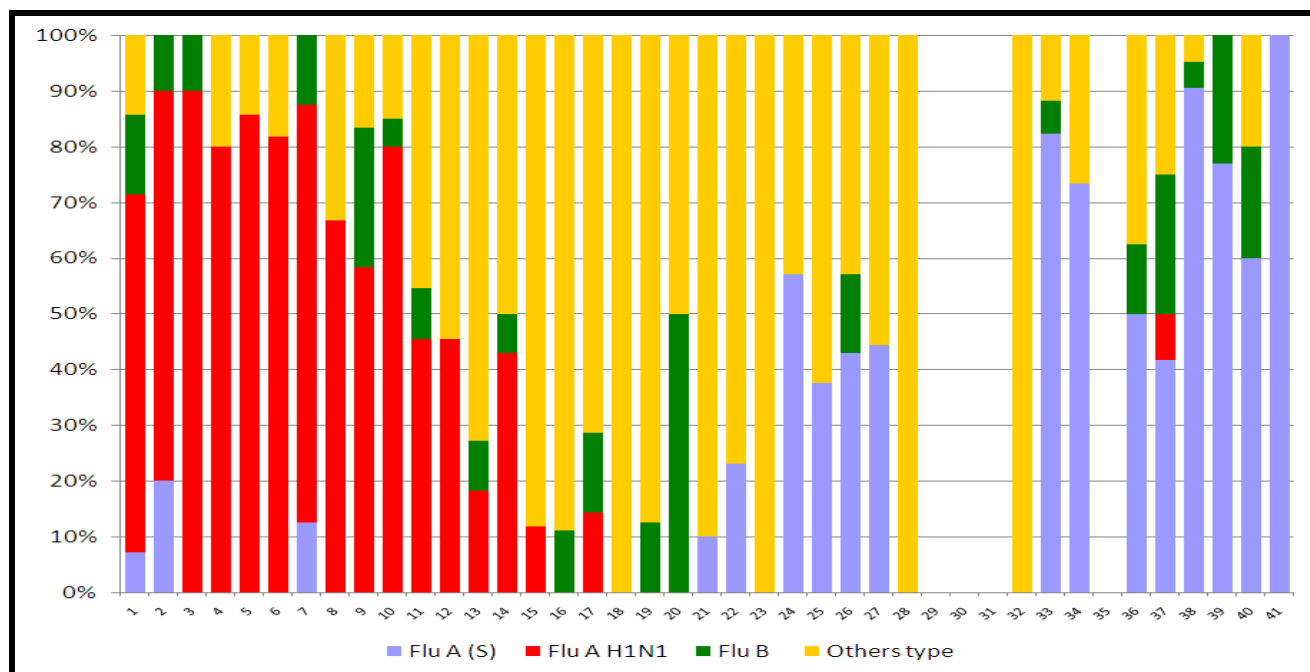
5.4.1. Locality of melioidosis outbreak in Sarawak as at 3rd December 2011.

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 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).

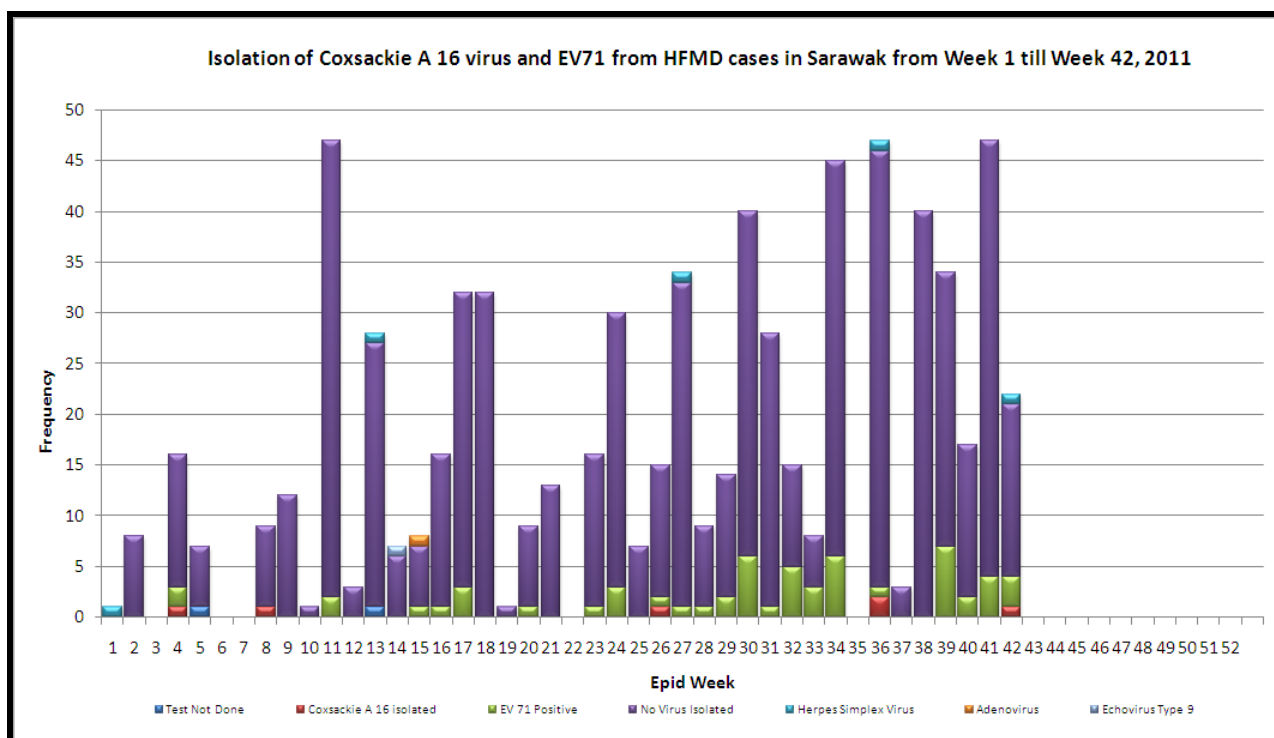
6.2. Laboratory Based Surveillance for Measles in Malaysia

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).

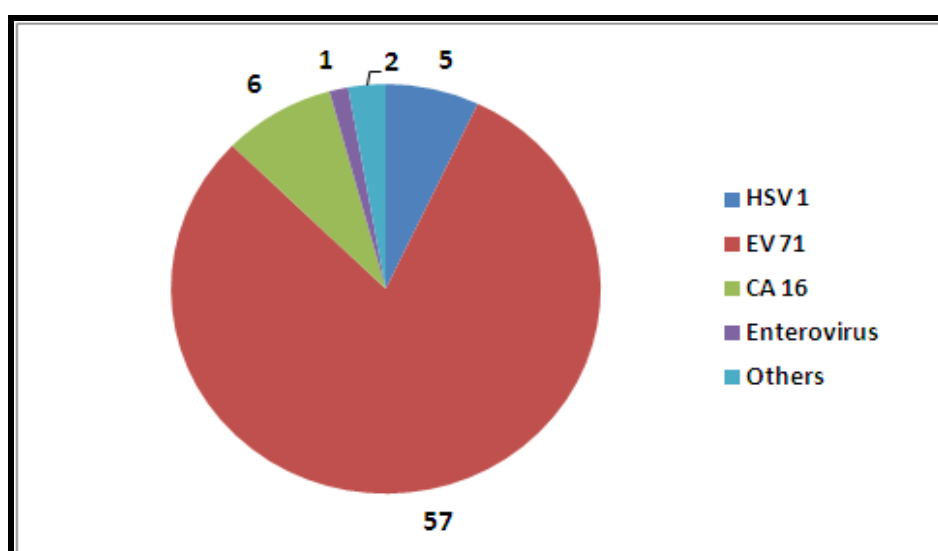
In Sarawak, as at Epid Week 45, 2011, a total of 284 specimens for serology test were to MKAK Sg Buloh. Of these, 21 specimens were positive for measles IgM and 40 positive for rubella IgM. Only 30 specimens for measles viral isolation from Sarawak were sent to MKAK Sg. Buloh but so far none were positive.

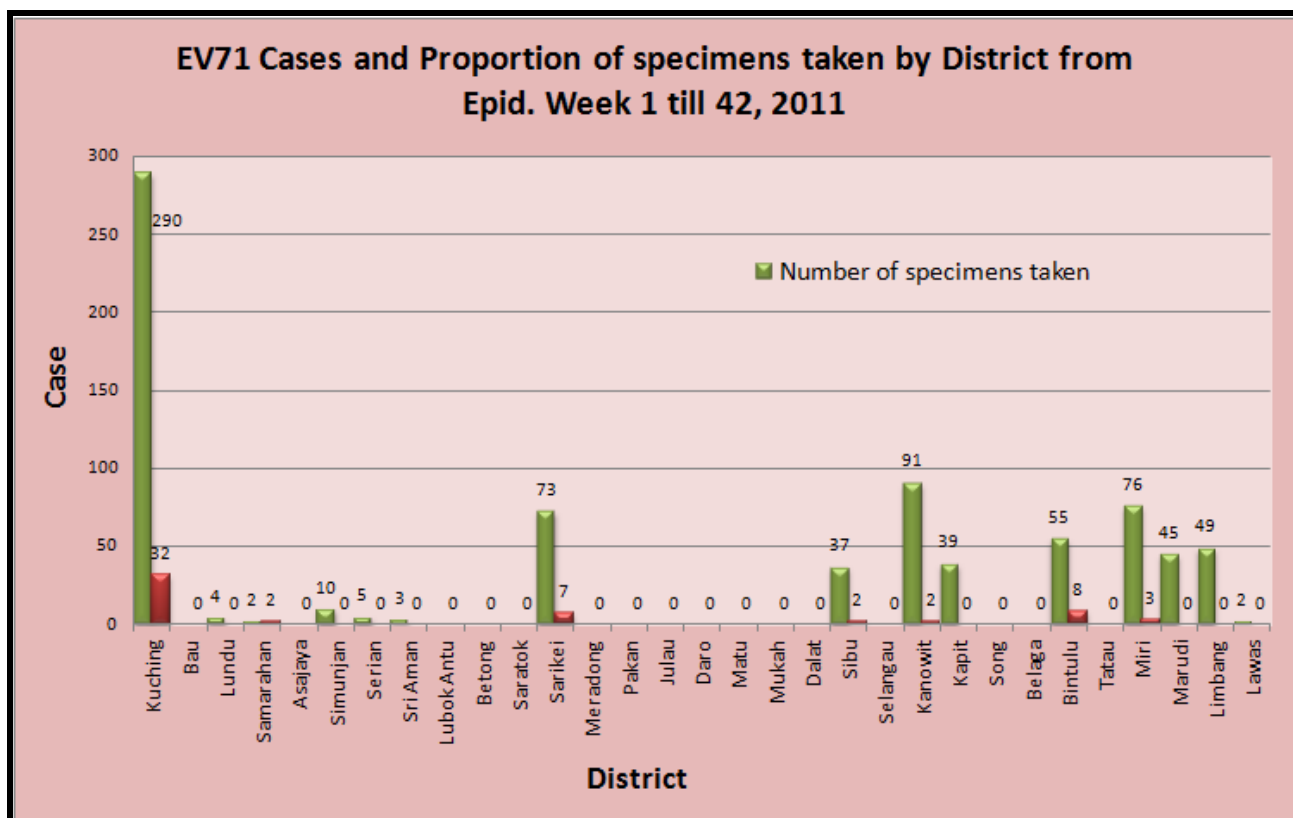
6.3. Laboratory Based Surveillance for HFMD in Sarawak from Epid Week 1 till Epid Week 42, 2011.



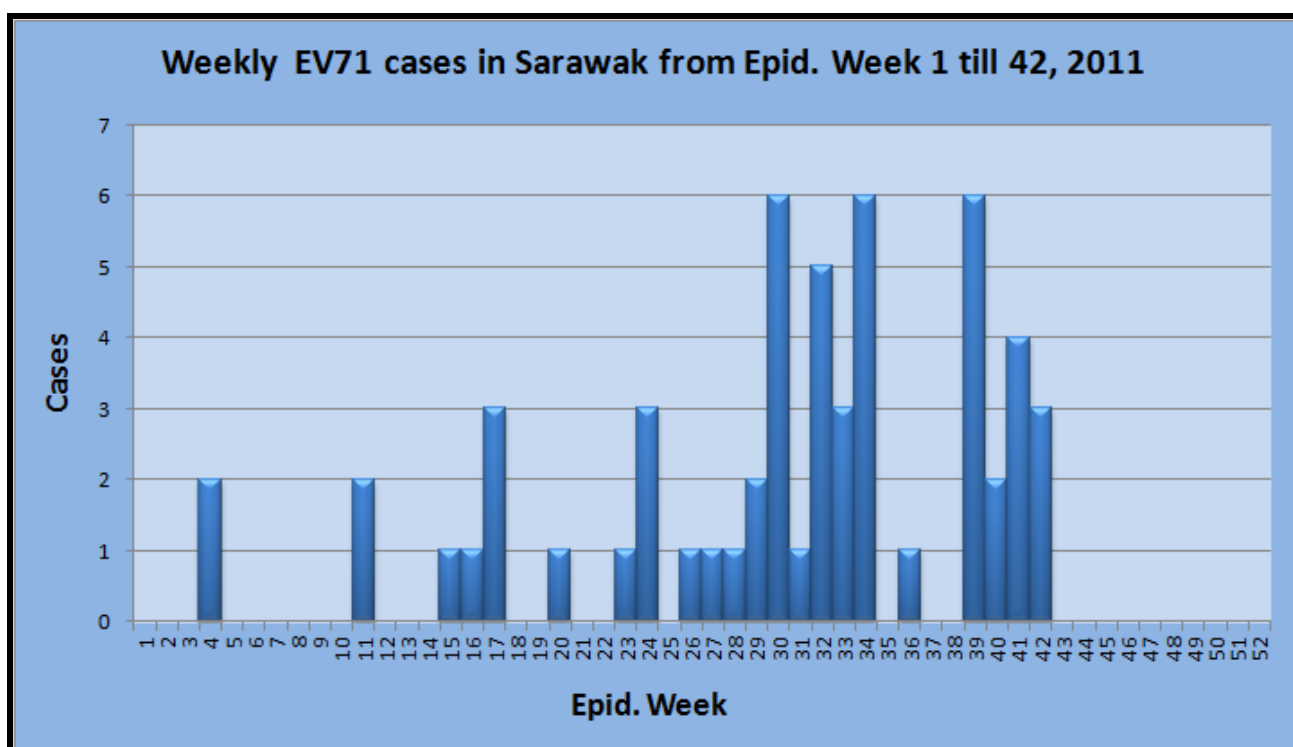
*results from EW 43 onwards are still pending

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
1	Ketua Penolong Pengarah Kanan	Seksyen Kawalan Penyakit Berjangkit,		Tel: 082-421442
	Dr. Razitasham Safii	Jabatan Kesihatan Negeri Sarawak,	razitasham@srwk.moh.gov.my	Fax: 082-234571
				Hp: 013-8047635
2	Ketua Penolong Pengarah	Seksyen Kawalan Penyakit Berjangkit,		Tel: 082-246935
	Dr. Noorzilawati Sahak	Jabatan Kesihatan Negeri Sarawak.	dnnoorzila@gmail.com	Fax: 082-234571
				Hp: 014-6999126
3	Pegawai Kesihatan Bahagian	Pejabat Kesihatan Bahagian,		Tel: 082-238635/257867
	Bahagian Kuching	Bahagian Kuching,	kamarudin1@srwk.moh.gov.my	Fax: 082-414542/250037
	Dr. Kamarudin Lajim	Jalan Tun Ahmad Zaidi Aduce, 93250 KUCHING.		Hp: 013-8014332
4	Pegawai Kesihatan Bahagian	Pejabat Kesihatan Bahagian,		Tel: 082-673626
	Bahagian Samarahan	Bahagian Samarahan,	julaidah.s@srwk.moh.gov.my	Fax: 082-673632
	Dr. Julaidah Sharip	Jalan Datuk Muhammad Musa, 94300 KOTA SAMARAHAN.		Hp: 019-8270869
5	Pegawai Kesihatan Bahagian	Pejabat Kesihatan Bahagian,		Tel: 083-332176
	Bahagian Sri Aman	Bahagian Sri Aman,	murnihayati.ali@yahoo.com	Fax: 083-322058
	Dr. Murnihayati Ali	Tingkat 3, Wisma Persekutuan, Jalan Hospital 95007 SRI AMAN.		Hp: 012-5066751
6	Pegawai Kesihatan Bahagian	Pejabat Kesihatan Bahagian,		Tel: 083-472116
	Bahagian Betong	Bahagian Betong,	stieffery@srwk.moh.gov.my	Fax: 083-471870
	Dr. Jeffery Stephen	KM 2, Jalan Betong, 95700 BETONG.		Hp: 019-8584053
7	Pegawai Kesihatan Bahagian	Pejabat Kesihatan Bahagian		Tel: 084-651077
	Bahagian Sarikei	Bahagian Sarikei	hasrina@srwk.moh.gov.my	Fax: 084-654088
	Dr. Hasrina Hassan	Tingkat 3, Wisma Persekutuan 96100 SARIKEI		Hp: 013-3403363
8	Pegawai Kesihatan Bahagian	Pejabat Kesihatan Bahagian,		Tel: 084-315494
	Bahagian Sibu	Bahagian Sibu,	mdrais@srwk.moh.gov.my	Fax: 084-348284
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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.