



SARAWAK

WEEKLY EPID NEWS

Sarawak Health Department

WEEK 32

7th – 13th AUGUST 2011

INFECTIOUS DISEASE/CRISIS HIGHLIGHTS IN SARAWAK

In Epid. Week 32, 2011, two HFMD clusters reported to Sarawak Health Department. Both are from Bau district involved SK Segong, Singai and kindergarten SK Bobak, Sejijak. However, both schools were not served for closure.

In Sarawak, the number of HFMD cases was noted to be increasing from early June 2011 (Epid. Week 22) onwards. For the past three weeks, the HFMD clusters mainly involved pre-school and primary school children. A reminder had been send out to all pre-school facilities and child care centres, and primary schools to check overall health of the children daily upon arrival.

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CPRC (CRISIS PREPAREDNESS AND RESPONSE CENTRE)

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2. NEW OUTBREAKS/CLUSTERS

No	Disease	District	Locality	Case (No)	Outbreak declared
1	HFMD	*Bau	SK Segong, Singai	11	11.08.2011
2			Pra -sekolah SK Bobak Sejijak	7	10.08.2011

*Late reporting to CPRC, Sarawak Health Department

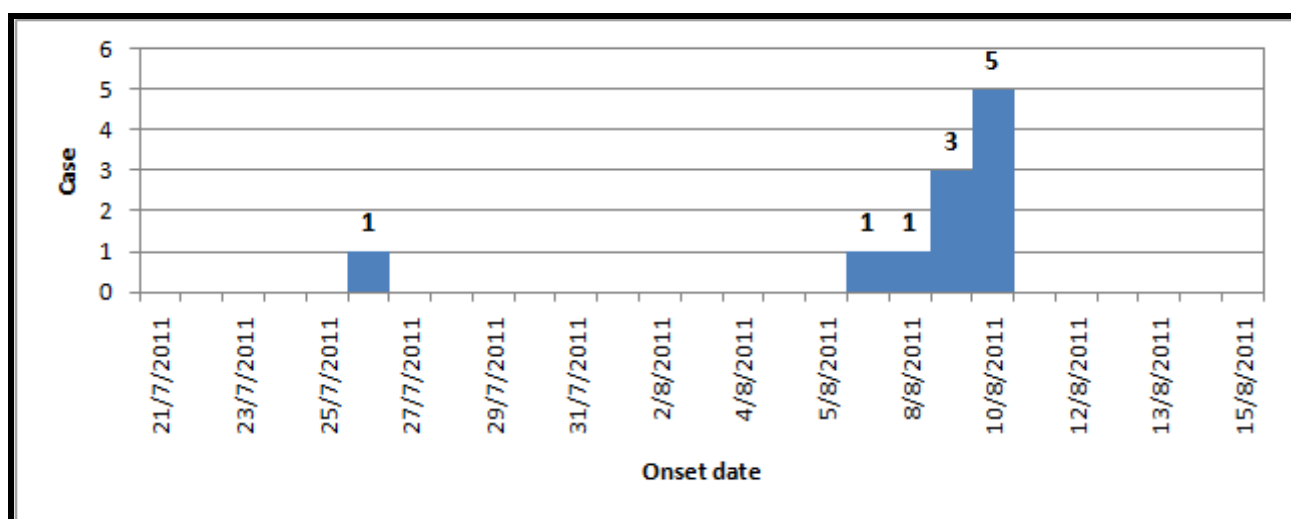
There were two HFMD clusters reported in Epid. Week 32, 2011 to Sarawak Health Department.

2.1. Preliminary report of HFMD cluster at SK Segong, Singai, Bau.

A cluster of HFMD among primary school children was reported at SK Segong, Singai, Bau on 11th August 2011. Out of 238 persons exposed, 11 children (6-9 years old; male: 6 & female: 5) had HFMD symptoms and giving the attack rate as 4.6%. The clinical presentations were fever (100%), blister/rash on the palms and soles (100.0%), and mouth ulcer (90.0%). Five of them were treated as outpatients and none was admitted.

From the investigation, the suspected primary case was eight years old Bidayuh boy from SK Segong started to have HFMD symptoms on 26th July 2011. No significant history of travelling to elsewhere.

The school was not served for closure.



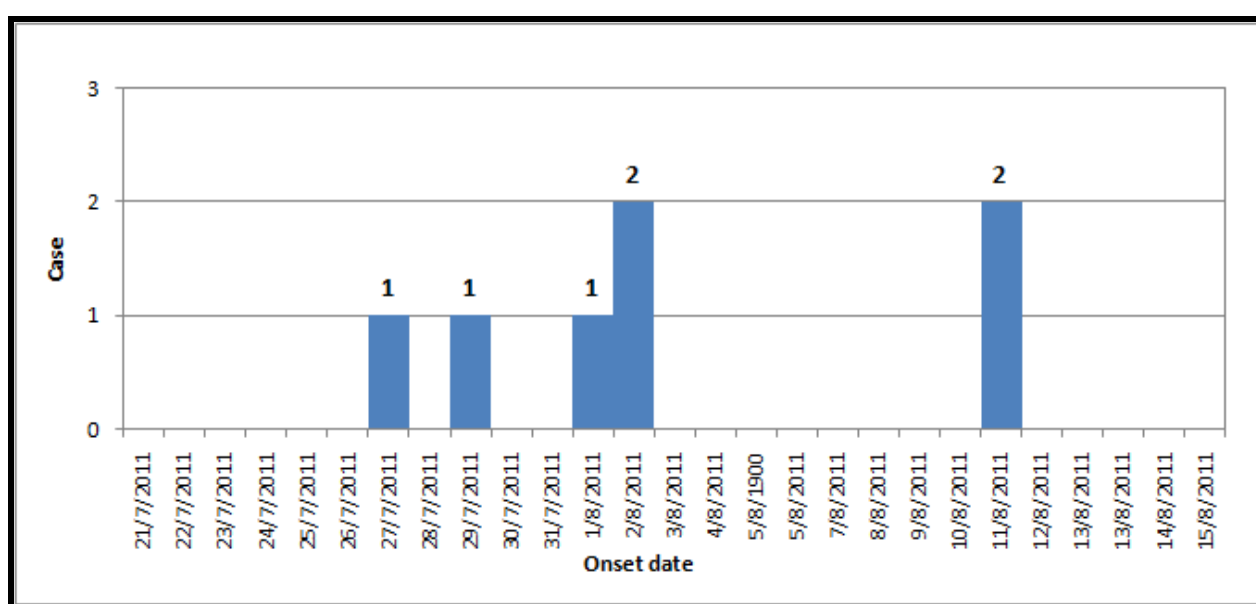
Epidemic curve of HFMD cases by onset date at SK Segong, Singai, Bau district

2.2. Preliminary report of HFMD cluster at Pre-school SK Bobak Sejijak, Bau.

A second cluster of HFMD among 6-7 years old pre-school children and primary one student was reported at SK Bobak, Sejijak, Bau on 10th August 2011. Seven children had HFMD symptoms. The clinical presentations were fever, blister / rash on the palms and soles, and mouth ulcer. All of them were treated as outpatients.

From the investigation, the suspected primary case was a Bidayuh girl from the same kindergarten started to have HFMD symptoms on 27th July 2011. No significant history of travelling to elsewhere.

The kindergarten and school were not served for closure.



Epidemic curve of HFMD cases at pre-school SK Bobak, Sejijak, Bau district

3. MANDATORY NOTIFIABLE DISEASES REPORTED IN EPID. WEEK 32, 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						2					5		2														
Bau	1/1					1				1	2				1												
Kuching						1				5	1																1
Samarahan										1	3																
Asajaya																											
Simunjan	0/1										1								2								
Serian										1	3																
Sri Aman						1					5																1
L/ Antu											1		1														
Betong													4														
Saratok																											
Sarikei						2					3		1						2								
Meradong											3																
Pakan/Julau						1							3														
Daro																											1
Matu																											
Dalat													1														
Mukah											1																
Sibu											3																
Kanowit						1							3														
Selangau											1																
Song						1	1						13														
Kapit						1							7														
Belaga						3							3														
Tatau																											
Bintulu						2					26		2														
Miri															2									4			
Marudi						2					1		7														
Limbang													1		1												
Lawas																											
TOTAL (Week 32)	1/2	0	0	0	0	18	1	0	0	8	59	0	48	0	4	0	0	0	4	0	0	0	0	4	0	0	3
Total (2011)	67/34	0	0	252	0	641	8	0	931	267	1191	10	1112	29	125	0	0	0	87	1	1147	3	0	71	9	0	59
Total (2010)	136/111	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)	143/189	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 STI/AIDS Section HFMD notification is based on masterlist.

Leptospirosis was gazetted as a notifiable disease on 9th December 2010.

3.1. Surveillance Report on Mandatory Notifiable Diseases

3.1.1. HIV/AIDS

One case of HIV and two AIDS cases reported in Epid. Week 32, 2011. The cumulative total HIV cases were 67 and all cases are adults. Out of these, 47 cases (70.2%) are male and 20 (29.8%) are female. The cumulative total AIDS cases were 34.

3.1.2. Cholera

No case reported in Epid. Week 32, 2011. A total of 252 cases were from Limbang. There were two outbreak localities at Limbang and Medamit in March 2011. DNA finger printing study showed the organisms were local origin.

3.1.3. Dysentery

One case reported in Epid. Week 32, 2011. The cumulative total of dysentery cases were eight but only one case was confirmed to be *E. histolytica* from Simunjan District. The others were negative for microbiological analyses.

3.1.4. Food Poisoning

No food poisoning outbreak reported in Epid. Week 32, 2011. The cumulative total of food poisoning cases were 931 that consist of 30 outbreaks. Out of 30 outbreaks, 19 (63.3%) involved schools (9 primary; 9 secondary). SMK Sri Patiambun had two episodes of food poisoning outbreak.

3.1.5. Gonorrhoea

Eight cases reported in Epid. Week 32, 2011. The cases are from Kuching (5), Bau (1), Samarahan (1) and Serian (1) districts. Out of a total of 267 cases reported, 266 were adults and one was a gonococcal neonatorum.

3.1.6. Leprosy

No case reported in Epid. Week 32, 2011. The cumulative total of leprosy cases were 10, one case was foreigner and nine were locals. All the cases were detected through active case detection (ACD).

3.1.7. Whooping Cough

No case reported in Epid. Week 32, 2011. Out of the cumulative total of 29 suspected pertussis cases reported in 2011, four cases were confirmed by culture (SGH Kuching: 3; Miri: 1) and one case confirmed by PCR from Sibu hospital.

3.1.8. Measles

Four suspected measles cases were reported in Epid. Week 32, 2011. The cases are from Bau (1), Miri (2), and Limbang (1) districts.

The first case is a seven months old Bidayuh baby girl from Bau notified on the 9th August 2011, presented with fever and rashes but no other clinical symptoms.

The second case is a ten months old Iban baby boy from Permyjaya, Miri presented with fever, rashes, cough, and coryza.

The third case is a seven years old Iban girl notified also from Permyjaya, Miri presented with fever and rashes. This child had received of MMR vaccination at one year old.

The forth case is a nine months old Lunbawang baby boy notified by OPD Limbang Hospital.

All serology results are pending. The cumulative total of suspected measles cases was 125. Of this, only one case was positive IgM measles.

3.1.9. Syphilis

Four cases reported in Epid. Week 32, 2011. The cases are from Simunjan (2) and Sarikei (2) districts.

Out of the cumulative total of 87 syphilis cases reported, 83 (95.4%) cases were adult and four cases (4.6%) were children. More than half of the cases were male, 44 (55.2%) and 39 (44.8%) were female.

3.1.10. Tetanus

No case reported in Epid. Week 32, 2011. The cumulative total of tetanus cases is remained as one. The patient was a 77 years old Chinese man from Kuching district.

3.1.11. Tuberculosis (all forms)

In July 2011, there were 164 confirmed TB cases reported, bringing a cumulative total of 1,147 cases reported in 2011 compared to 1,689 total cases reported in year 2010.

3.1.12. Typhoid and paratyphoid fever

No cases reported in Epid. Week 32, 2011. The cumulative total confirmed typhoid cases was three (two typhoid and one paratyphoid) which were confirmed by stool C&S test (2) and blood C&S (1).

3.1.13. Viral Hepatitis

One case of Hepatitis B and three Hepatitis C cases reported in Epid. Week 32, 2011.

The Hepatitis B case is a 51 years old Malay man from Penjara Pusat, Miri but he is from Sabah. This case was detected during a routine health screening at the prison.

The three Hepatitis C cases involved a 21 years old Malay man, 33 years old Melanau man and 60 years old Iban man from Penjara Pusat, Miri district as well. All cases were also detected during routine health screening at the prison.

The cumulative total of Viral Hepatitis cases reported was 71. Of these, 38 cases were viral Hepatitis B where five were acute and 33 were chronic. Another 33 cases were Hepatitis C where ten cases were acute and 23 were chronic.

3.1.14. Viral Encephalitis

No case reported in Epid. Week 32, 2011. The cumulative total of viral encephalitis cases were nine. Of this, one case was confirmed Japanese Encephalitis and seven were due to other viruses.

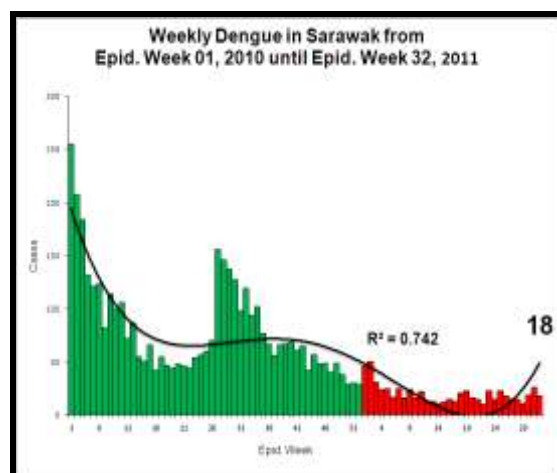
Note: Vector borne diseases and emerging and re-emerging infectious diseases will be discussed in their respective chapter.

4. VECTOR BORNE DISEASES: DENGUE, MALARIA AND CHIKUNGUNYA

4.1. Notified Dengue cases for Epid. Week 32, 2011 compared to Epid. Week 32, 2010 and cumulative cases till Epid. Week 32 in 2010.

District	2011		2010		Total
	EW 32	Cum.	EW 32	Cum.	
Lundu	2	9	6	43	69
Bau	1	19	2	86	123
Kuching	1	74	12	343	473
Samarahan	0	14	2	75	97
Asajaya	0	4	0	7	10
Serian	0	11	1	116	140
Simunjan	0	9	1	39	47
Sri Aman	1	32	0	61	96
Lubok Antu	0	15	3	31	53
Betong	0	10	2	22	30
Saratok	0	4	0	17	20
Sarikei	2	16	1	68	91
Meradong	0	10	1	47	53
Pakan	1	12	1	19	30
Julau	0	10	0	13	20
Daro	0	6	1	50	95
Matu	0	1	1	21	25
Dalat	0	2	0	8	14
Mukah	0	4	2	24	39
Sibu	0	52	32	756	1021
Kanowit	1	21	2	38	64
Selangau	0	7	1	14	32
Song	1	10	1	10	16
Kapit	1	26	3	123	158
Belaga	3	19	0	21	39
Tatau	0	27	1	24	40
Bintulu	2	83	5	166	237
Miri	0	76	28	649	816
Marudi	2	39	2	96	126
Limbang	0	14	8	96	131
Lawas	0	5	0	22	35
Sarawak	18	641	119	3105	4240

EW = Epid. Week



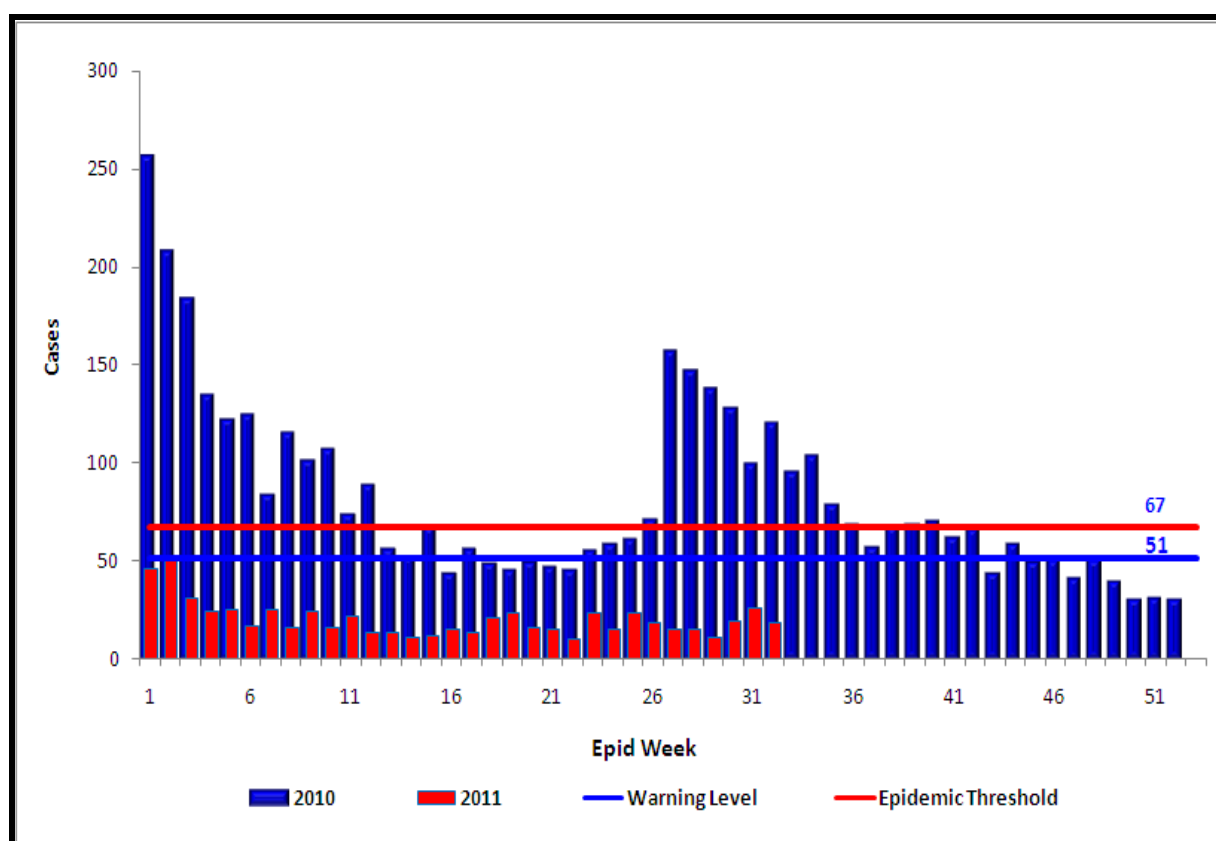
A total of 18 dengue cases were reported in Epid. Week 32, 2011 compared to 119 cases during the same period in 2010. This is a decrease of eight cases from the previous Epid. Week 31, 2011.

One outbreak locality is still active in Bintulu. No uncontrolled outbreak reported.

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

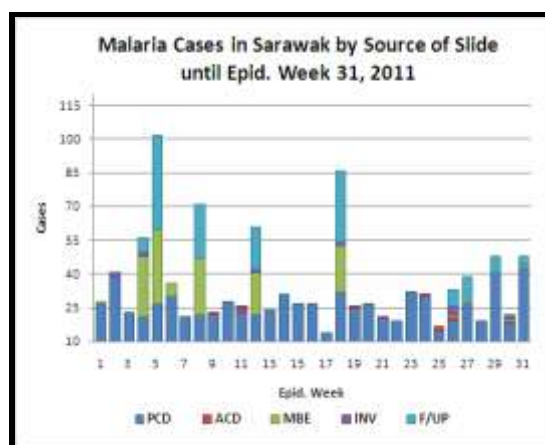
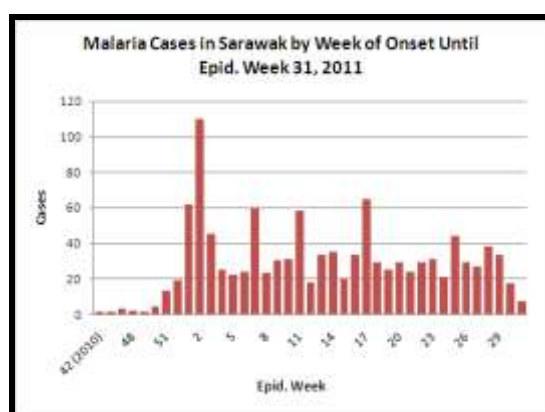
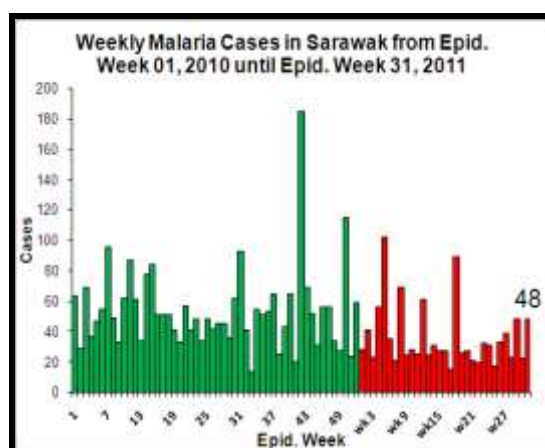
1. Bintulu
2. Miri
3. Kuching
4. Sibu
5. Marudi

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



4.2. Notified Malaria cases for Epid. Week 31, 2011 compared to Epid. Week 31, 2010 and cumulative cases till Epid. Week 31 in 2011.

District	2011		2010		Total
	EW 31	Cum.	EW 31	Cum.	
Lundu	2	25	1	62	72
Bau	0	3	0	8	9
Kuching	0	12	0	15	27
Samarahan	0	2	0	0	2
Asajaya	0	0	0	0	0
Simunjan	0	2	1	16	17
Serian	0	16	2	48	58
Sri Aman	0	7	0	16	25
Lubok Antu	1	13	0	14	16
Betong	4	26	0	8	15
Saratok	0	1	0	3	4
Sarikei	1	15	0	4	8
Meradong	0	8	0	1	3
Pakan	2	15	1	9	14
Julau	1	42	1	22	34
Daro	0	1	0	0	1
Matu	0	0	0	0	1
Dalat	1	7	0	11	14
Mukah	0	2	1	4	6
Sibu	0	26	0	28	43
Kanowit	3	56	1	39	65
Selangau	0	7	0	5	9
Song	13	44	2	29	46
Kapit	7	130	3	72	134
Belaga	3	83	4	231	300
Tatau	0	19	0	7	12
Bintulu	2	28	0	16	39
Miri	0	19	0	14	32
Marudi	7	467	76	932	1734
Limbang	1	12	0	26	29
Lawas	0	24	0	22	33
Sarawak	48	1112	93	1662	2802



A total of 48 cases were reported in Epid. Week 31, 2011. The cumulative cases till Epid. Week 31, 2011 were 1,112 cases. Of this, 467 cases (42%) from Marudi District, 130 cases (12%) from Kapit District and 84 cases (8%) 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. Cases detected by slide source

Slides source	Epid. Week 31	Epid. Week 1 – Epid. Week 31
Passive Case Detection (PCD)	43	795
Active Case Detection (ACD)	0	9
Investigation slides (INV)	0	11
Mass Blood Survey (MBS)	1	144
Follow-up	4	153
Total	48	1112

4.2.2. Cases by species

Species	Epid. Week 31	Epid. Week 1 – Epid. Week 31
<i>Plasmodium vivax</i>	13	648
<i>Plasmodium falciparum</i>	2	58
<i>Plasmodium malariae</i> [#]	9	222
<i>Plasmodium knowlesi</i>	24	181
<i>Plasmodium ovale</i>	0	0
Mixed infection	0	3
Total	48	1112

Notes: # May include *Plasmodium knowlesi*

4.2.3. Cases classification

Classification	Epid. Week 31	Epid. Week 1 – Epid. Week 31
Indigenous	44	863
*Imported A	4	135
Relapsed	0	113
Congenital	0	1
Total	48	1112

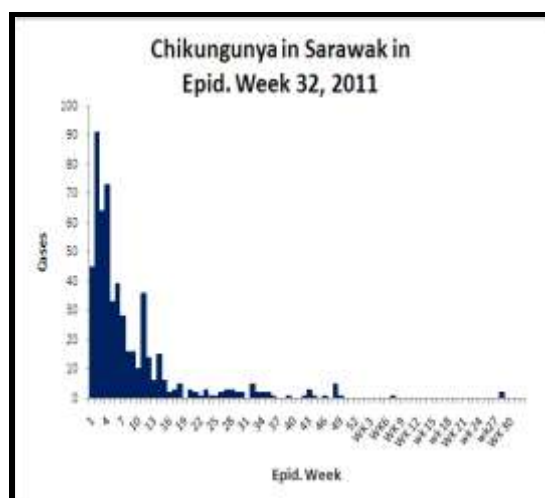
4.2.4. The source of infection of the *Imported A cases and the species involved.

No.	District reported	Source of infection	Case (No.)	Species
1	Bintulu	India	1	<i>P. vivax</i>
2	Tatau	Filipina	1	<i>P. vivax</i>
3	Dalat	Papua New Guinea	1	<i>P. vivax</i>
4	Lundu	Aruk Indonesia, Kalbar	1	<i>P. falciparum</i>

4.3. Notified Chikungunya cases for Epid. Week 32, 2011 compared to Epid. Week 32, 2010 and cumulative cases till Epid. Week 32 in 2010.

District	2011		2010		
	EW 32	Cum.	EW 32	Cum.	Total
Lundu	0	0	0	1	1
Bau	0	0	2	11	13
Kuching	0	1	2	72	72
Samarahan	0	0	0	2	3
Asajaya	0	0	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	11	13
Saratok	0	0	0	8	8
Sarikei	0	0	0	6	7
Meradong	0	0	0	24	25
Pakan	0	0	1	10	10
Julau	0	0	0	22	22
Daro	0	0	0	19	21
Matu	0	0	0	0	0
Dalat	0	0	0	9	9
Mukah	0	0	0	11	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	60	67
Belaga	0	0	0	76	78
Tatau	0	0	0	6	6
Bintulu	0	0	0	43	44
Miri	0	0	0	13	13
Marudi	0	0	0	0	0
Limbang	0	0	0	0	0
Lawas	0	0	0	0	0
Sarawak	0	3	5	530	550

EW = Epid Week



No case of Chikungunya reported in Epid. Week 32, 2011. During the same period in 2010, five cases reported. The cumulative case of Chikungunya for 2011 remained as three.

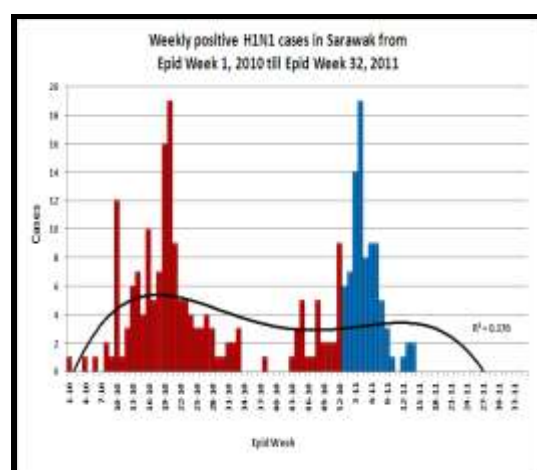
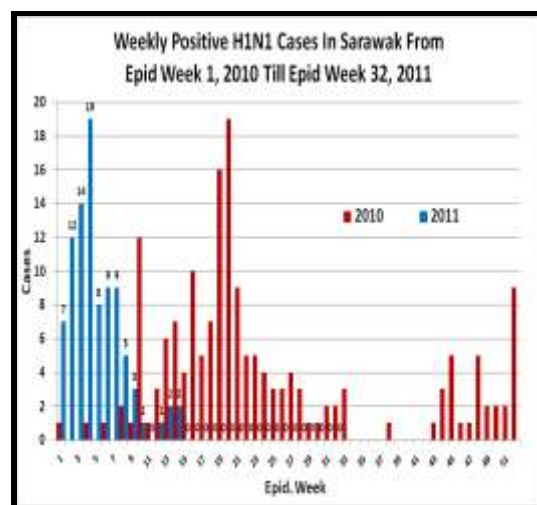
5. EMERGING/RE-EMERGING INFECTIOUS AND ZOO NOTIC DISEASES

5.1. H1N1

5.1.1 Positive Pandemic Influenza A (H1N1) cases for Epid. Week 32, 2011 compared to Epid. Week 32, 2010 and cumulative cases till Epid. Week 32 in 2011.

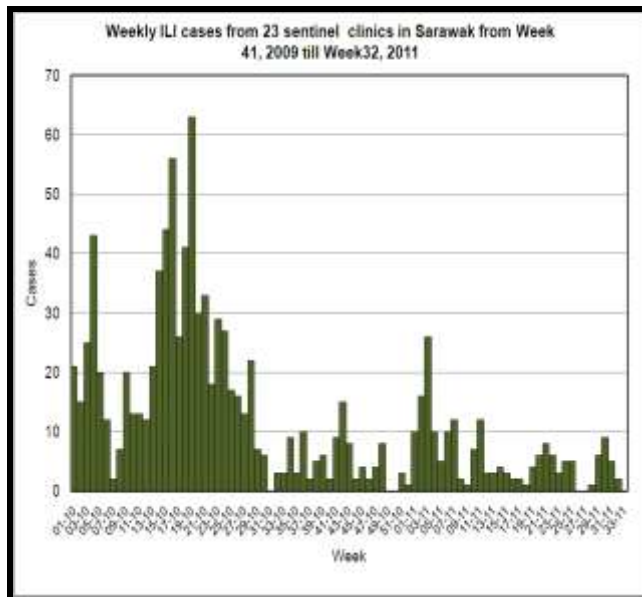
District	2011		2010		Total
	EW 32	Cum.	EW 32	Cum.	
Lundu	0	1	0	8	9
Bau	0	0	0	0	1
Kuching	0	51	0	41	61
Samarahan	0	0	2	8	8
Simunjan	0	0	0	3	4
Serian	0	0	0	2	2
Sri Aman	0	0	0	4	4
Lubok Antu	0	0	0	0	0
Betong	0	1	0	0	0
Saratok	0	0	0	0	0
Sarikei	0	0	0	2	2
Meradong	0	0	0	0	0
Julau	0	0	0	0	0
Daro	0	0	0	0	0
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	19	20
Lawas	0	1	0	2	2
TOTAL	0	92	2	134	161

EW = Epid. Week



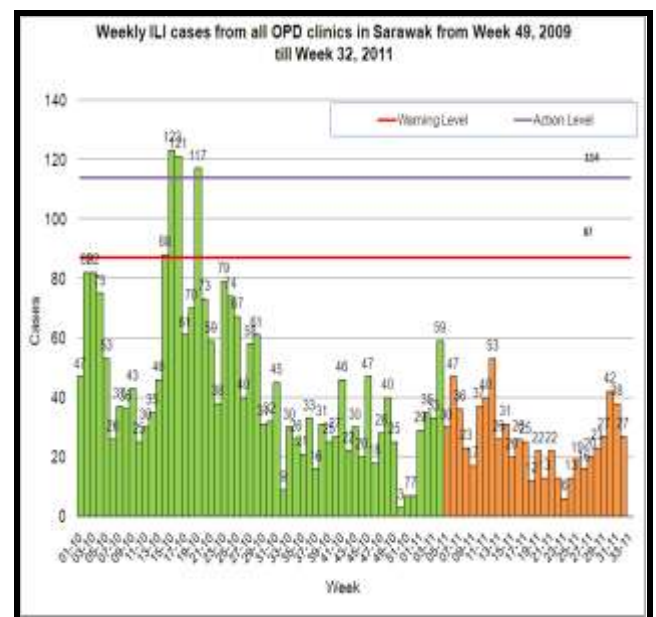
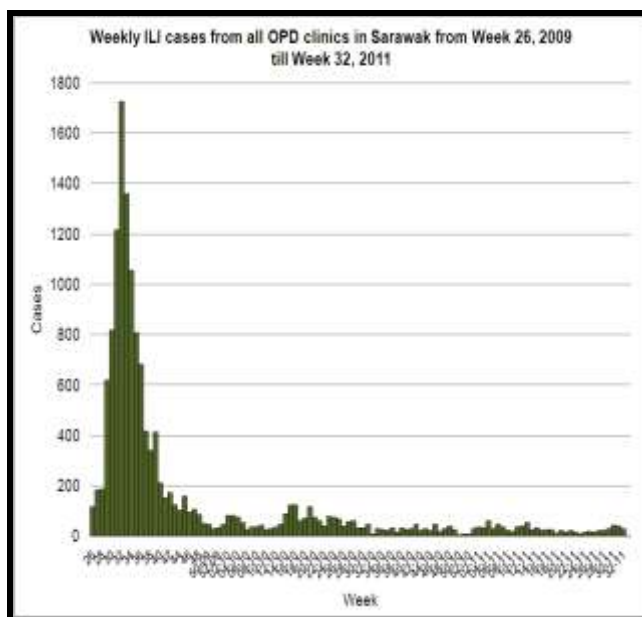
No H1N1 positive case was reported in Epid. Week 32, 2011. The cumulative total cases in 2011 were 92 cases compared to 134 cases reported during the same period in 2010.

5.1.2 Outpatient Influenza-Like Illness (ILI) Surveillance from Epid. Week 25 in 2009 till Epid. Week 32 in 2011.



In Epid. Week 32, 2011, five ILI case reported from the 23 Sentinel clinics and all OPD clinics. This show a decreasing trend in the number of cases compared to previous Epid. Week.

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).



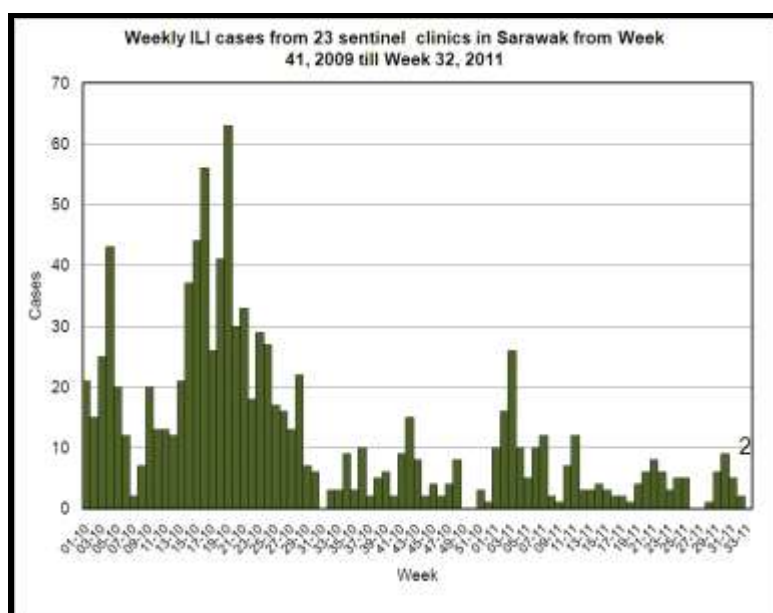
Referring to a letter dated 25 January 2011 from Office of the Deputy Director-General of Health (Public Health), Department of Public Health, Ministry of Health Malaysia about **PEMANTAUAN AKTIVITI H1N1 SECARA BERTERUSAN**, all PKB/PKD must send their daily H1N1 report as well as ILI and sARI surveillance 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 13th August 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	0	0
Sibu	0	0	0	0
Kapit	0	0	0	0
Bintulu	0	0	1	1
Miri	0	1	0	1
Limbang	0	0	0	0
TOTAL	0	14	4	18

Note: First cluster in 2011 was detected on 31/12/2010 and the latest was on 9/4/2011.

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 13th August 2011.

Division	Hospital	New EW 32	Cumulative 2011	No. of Inpatient			No. of Patient on Ventilator	Throat swabs		
				ICU	ISO	Other wards		Positive	Pending	Negative
Kuching	SGH Kuching	0	161	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	0	0	0	0	0	0	0	0
Sibu	Sibu	0	1	0	0	0	0	0	0	0
	Kanowit	0	0	0	0	0	0	0	0	0
Mukah	Mukah	0	0	0	0	0	0	0	0	0
	Dalat	0	0	0	0	0	0	0	0	0
	Daro	0	0	0	0	0	0	0	0	0
Kapit	Kapit	0	0	0	0	0	0	0	0	0
Bintulu	Bintulu	0	248	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	452	0	0	0	0	0	0	0

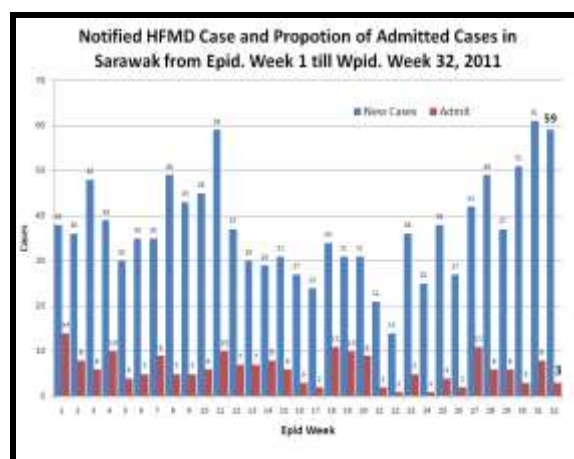
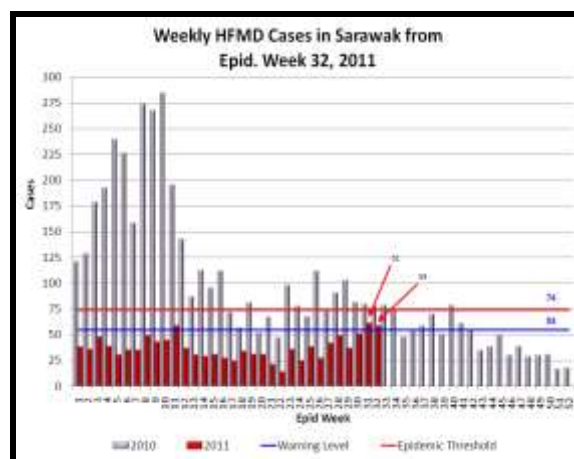
EW = Epid. Week

No sARI admission reported in Epid. Week 32, 2011.

5.2. Notified HFMD cases for Epid. Week 32, 2011 compared to Epid. Week 32, 2010 and cumulative cases till Epid. Week 32 in 2011.

District	2011		2010		Total 2010
	EW 32	Cum.	EW 32	Cum.	
Kuching	1	197	11	836	961
Bau	2	27	4	191	209
Lundu	5	18	5	65	86
KUCHING	8	242	20	1092	1256
Samarahan	3	43	2	121	127
Asajaya	0	23	0	3	7
Simunjan	1	3	2	26	37
Serian	3	8	0	24	25
SAMARAHAN	7	77	4	174	196
Sri Aman	5	52	1	124	145
Lubok Antu	1	8	2	20	23
SRI AMAN	6	60	3	144	168
Betong	0	29	5	67	103
Saratok	0	24	0	38	38
BETONG	0	53	5	105	141
Sarikei	3	96	5	197	206
Meradong	3	25	3	48	55
Pakan	0	4	2	37	37
Julau	0	4	1	21	24
SARIKEI	6	129	11	303	322
Daro	0	0	0	23	24
Matu	0	0	0	19	20
Mukah	1	36	3	214	259
Dalat	0	16	1	100	108
MUKAH	1	52	4	356	411
Sibu	3	62	7	426	517
Selangau	1	5	0	7	17
Kanowit	0	19	0	44	44
SIBU	4	86	7	477	578
Kapit	0	49	2	104	116
Song	0	10	0	23	29
Belaga	0	5	1	10	10
KAPIT	0	64	3	137	155
Bintulu	26	254	9	425	629
Tatau	0	17	0	13	28
BINTULU	26	271	9	438	657
Miri	0	108	11	653	911
Marudi	1	40	0	84	105
MIRI	1	148	11	737	1016
Limbang	0	8	0	54	54
Lawas	0	1	1	45	56
LIMBANG	0	9	1	99	110
SARAWAK	59	1191	78	4062	5010

EW = Epid. Week

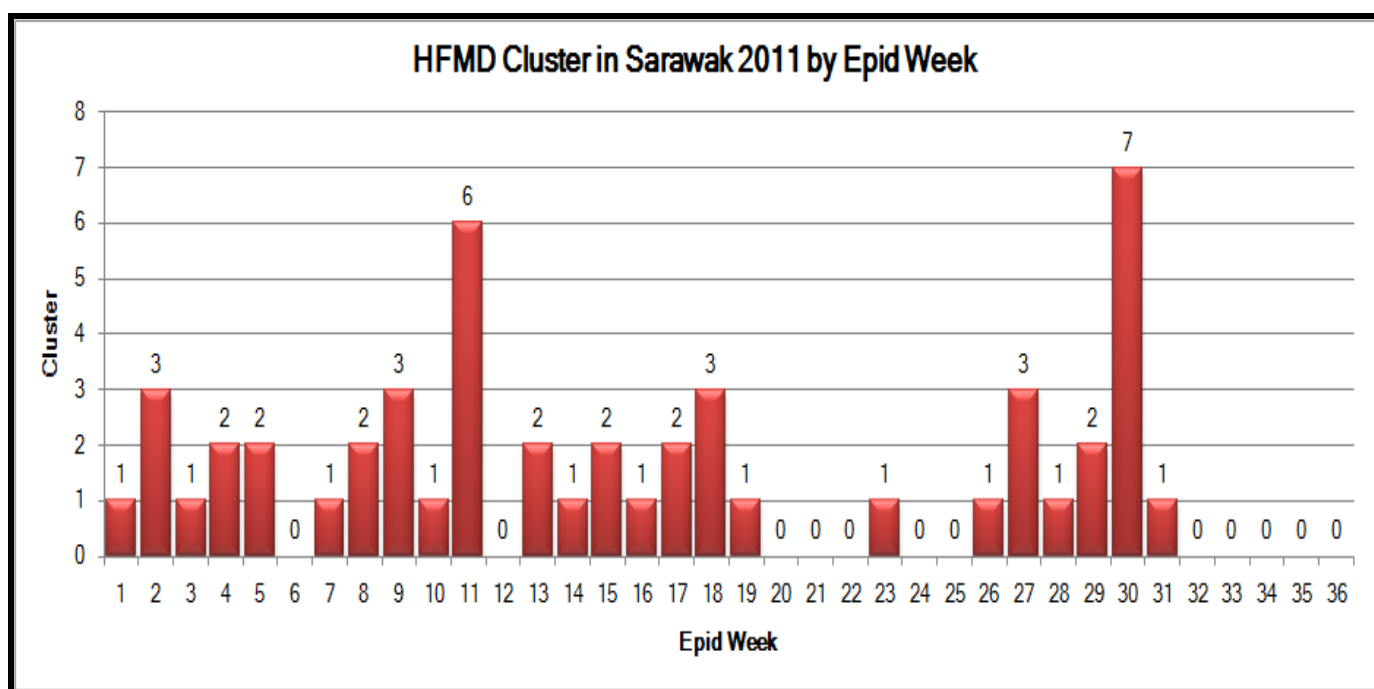
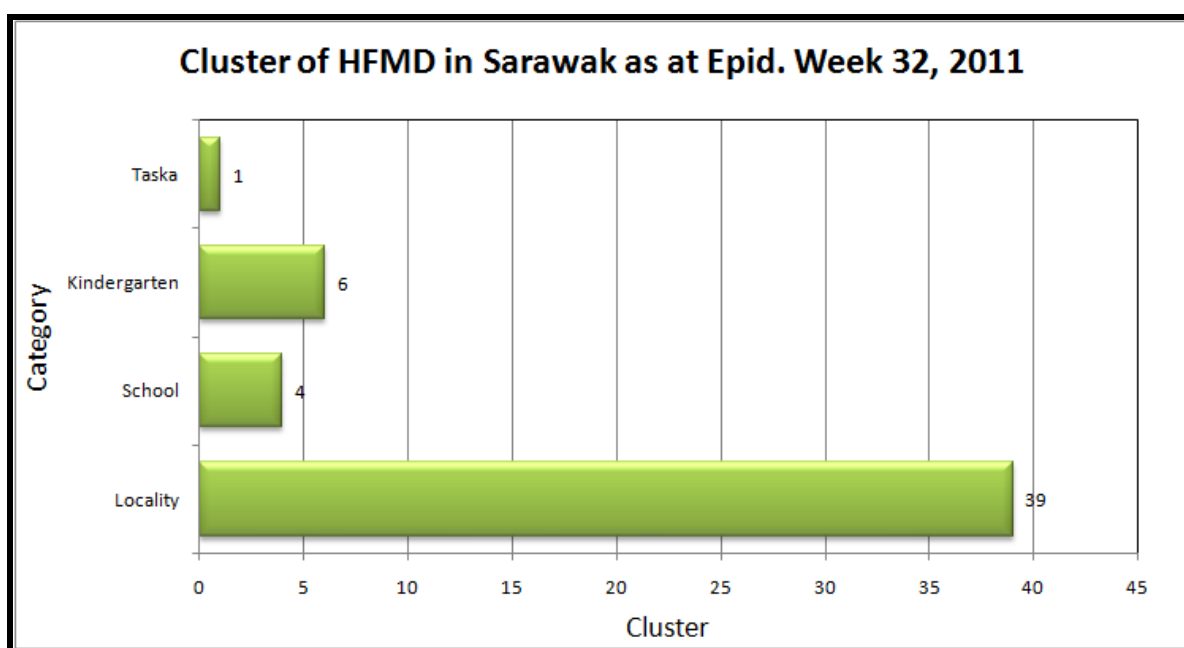


A total of 59 cases reported in Epid. Week 32, 2011. This was an increase of 12 cases from Epid. Week 31, 2011. A cumulative total of 1,191 cases reported compared to 4,062 cases during the same period in 2010.

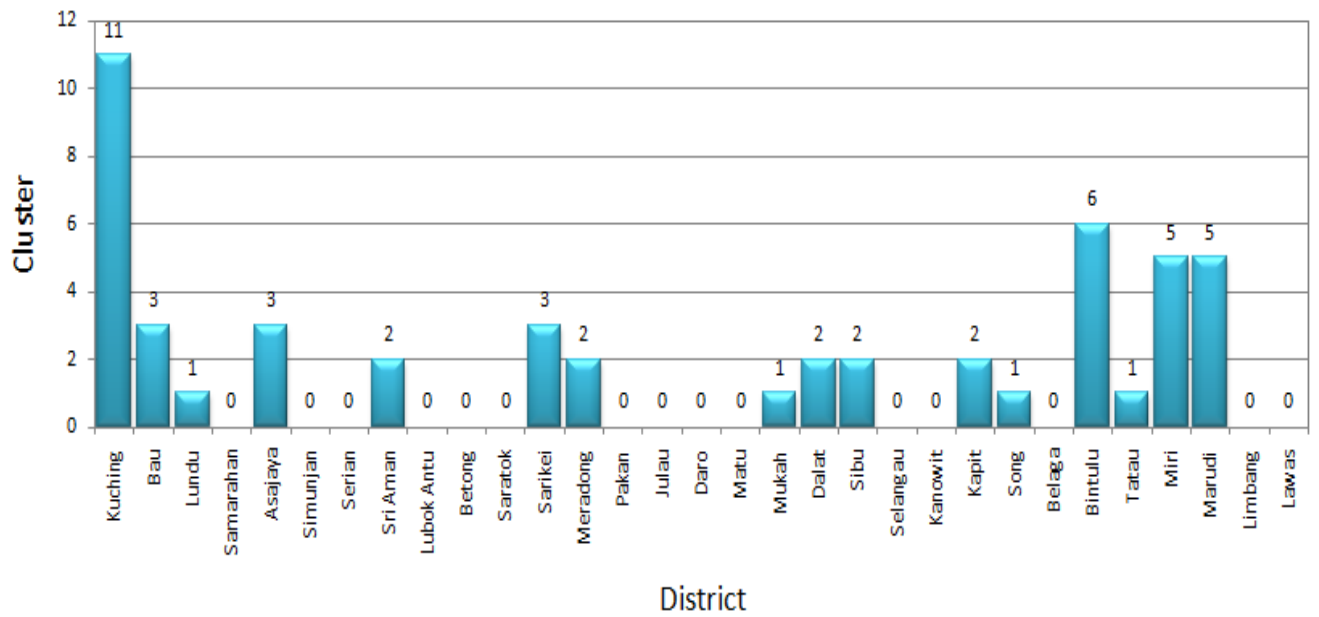
5.2.1. Cumulative HFMD Clusters as of 13th August 2011.

Two HFMD clusters reported in Epid. Week 32, 2011 involved primary school and kindergarten at Bau district.

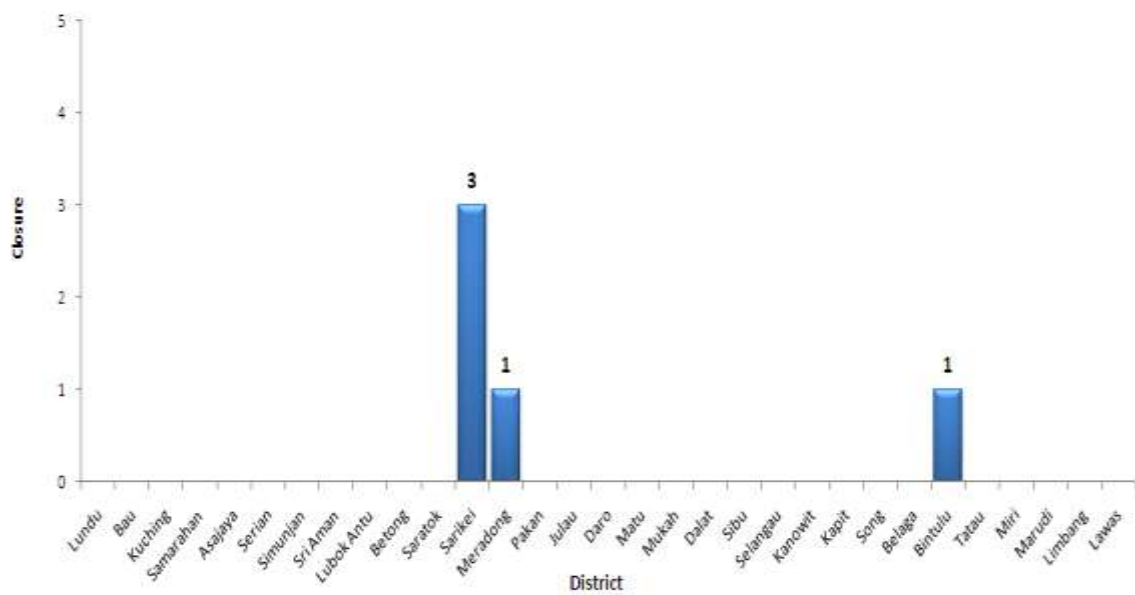
As at 13th August 2011, a total of 50 clusters reported. Of these, 39 (78.0%) were family cluster, six (12.0%) were cluster in kindergarten, four (8.0%) were in school and one (2.0%) was in Taska or day care centre.



HFMD Cluster in Sarawak 2011 by District



Preschool/Kindergarten/Nursery Served with Closure Order/Voluntary 2011



5.3. Notified Leptospirosis cases for Epid. Week 32, 2011 compared to Epid. Week 32, 2010 and cumulative cases till Epid. Week 32 in 2011.

District	Case classification (positive)				Total positive leptospirosis	
	Confirmed		Probable		2011	2010
	EW 32/2011	EW 32/2010	EW 32/2011	EW 32/2010		
Lundu	0	0	0	0	0	0
Bau	0	0	0	0	0	1
Kuching	0	0	1	1	9	12
Samarahan	0	0	0	0	0	1
Asajaya	0	0	0	0	1	0
Serian	0	0	0	0	3	2
Simunjan	0	0	0	0	2	1
Sri Aman	0	0	1	0	7	1
Lubok Antu	0	0	0	0	5	3
Betong	0	0	0	0	3	0
Saratok	0	0	0	0	1	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
Daro	1	0	0	0	1	1
Dalat	0	0	0	0	0	0
Mukah	0	0	0	0	2	1
Sibu	0	0	0	0	1	6
Kanowit	0	0	0	0	2	1
Selangau	0	0	0	0	1	0
Song	0	0	0	0	0	2
Kapit	0	0	0	0	3	1
Belaga	0	0	0	0	4	0
Tatau	0	0	0	0	1	0
Bintulu	0	0	0	0	4	6
Miri	0	0	0	0	5	3
Marudi	0	0	0	0	1	2
Limbang	0	0	0	0	2	1
Lawas	0	0	0	0	0	0
Total	1	0	2	1	59	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

2010: Cases are subject to change as some of the of the blood results still pending

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 32, 2011 compared to Epid. Week 32, 2010 and cumulative cases till Epid. Week 32 in 2011.

District	Blood test result				Total positive	
	Positive				2011	2010
	Culture		Serology			
	EW 32/2011	EW 32/2010	EW 32/2011	EW 32/2010		
Bau	0	0	0	0	0	0
Kuching	1	1	0	2	2	12
Samarahan	0	0	0	0	0	0
Simunjan	0	0	0	0	0	0
Serian	0	0	0	0	1	1
Sri Aman	0	0	0	0	1	0
Lubok Antu	0	0	0	0	1	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	1	0	2
Dalat	0	0	0	0	0	1
Mukah	0	0	0	0	0	3
Sibu	0	0	0	0	1	5
Kanowit	0	0	0	0	0	1
Selangau	0	0	0	1	1	6
Song	0	0	0	0	1	7
Kapit	0	0	0	2	37	162
Belaga	2	0	0	2	15	28
Tatau	1	0	0	0	3	14
Bintulu	1	0	0	2	2	49
Miri	0	0	0	0	0	35
Marudi	0	0	0	1	0	7
Limbang	0	0	0	0	0	2
Lawas	0	0	0	0	0	1
Total	5	1	0	11	65	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

2010: Cases are subject to change as some of the blood results still pending

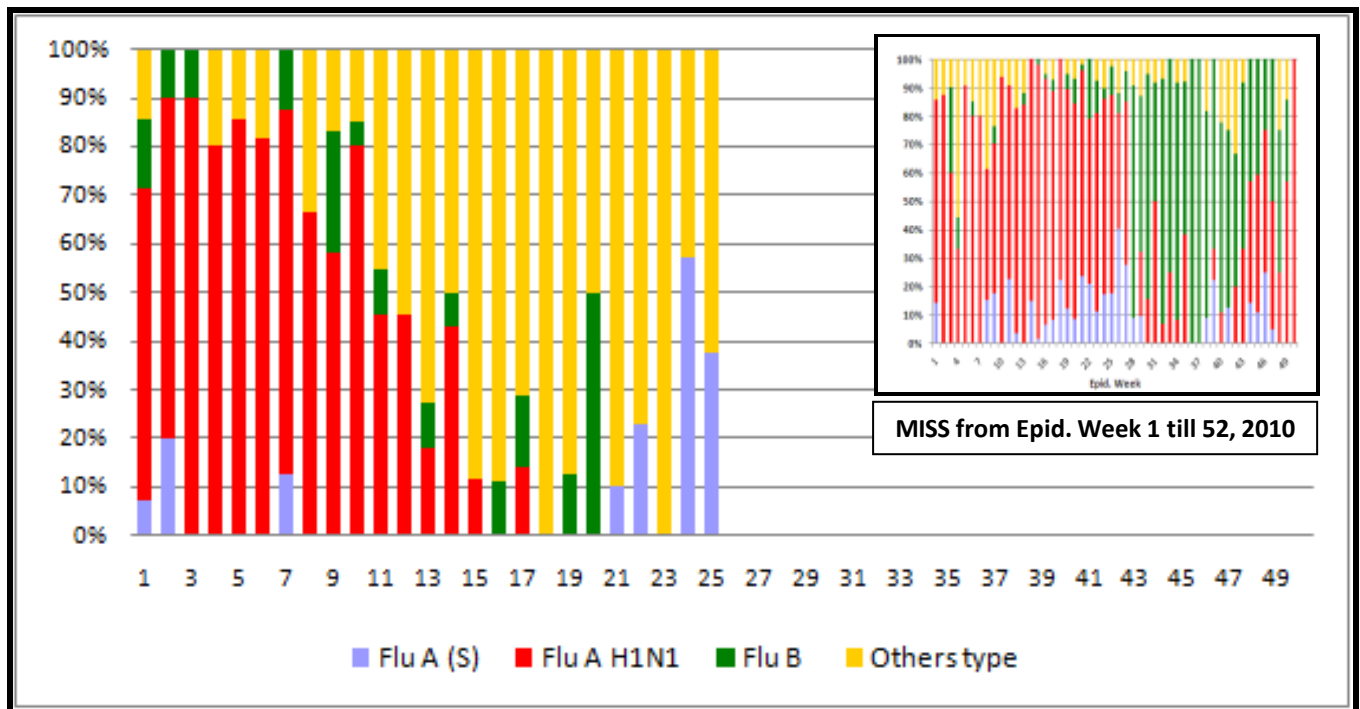
5.4.1. Locality of melioidosis outbreak in Sarawak as at 13th August 2011.

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

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 25, 2011 compare to Epid Week 1 till Epid Week 52, 2010 (inset)



* specimen from Sabah were analysed at MKAK Kota Kinabalu

In Malaysia, as at Epid Week 29, 2011, a total of 2,194 throat swab specimens were analysed at MKAK Sungai Buloh. Of these, 255 specimens isolated various types of influenza virus i.e. virus Flu A H1N1 (98), Flu A (s) [21], Flu B (20), and other types of virus (116). Other viruses which are under category of others-type: Adenovirus (74), Paramyxovirus (14), RSV (1), Enterovirus (1) and other viruses (26).

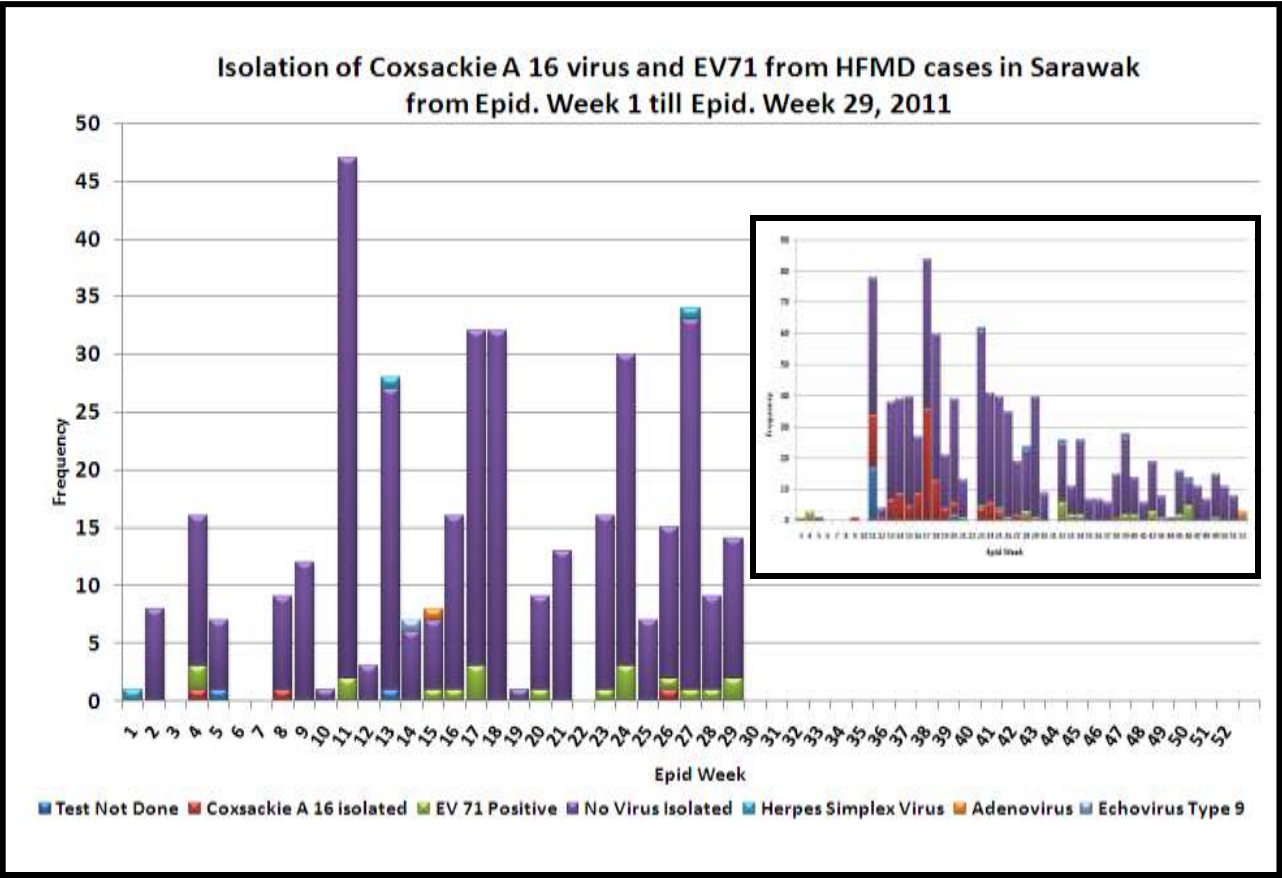
6.2. Laboratory Based Surveillance for Measles in Malaysia

In Malaysia, as at Epid. Week 29, 2011, a total of 2,122 serum specimens for serology test were sent to MKAK Sg. Buloh. Of these, 484 (23.0%) were positive for IgM Measles and 213 (13.2%) positive for Rubella.

A total of 1,931 specimens for viral isolation were sent to MKAK Sg. Buloh. Of these, 158 (7.8%) specimens positive for virus isolation: measles (31); rubella (115); herpes simplex virus 1 (2); and adenovirus (4).

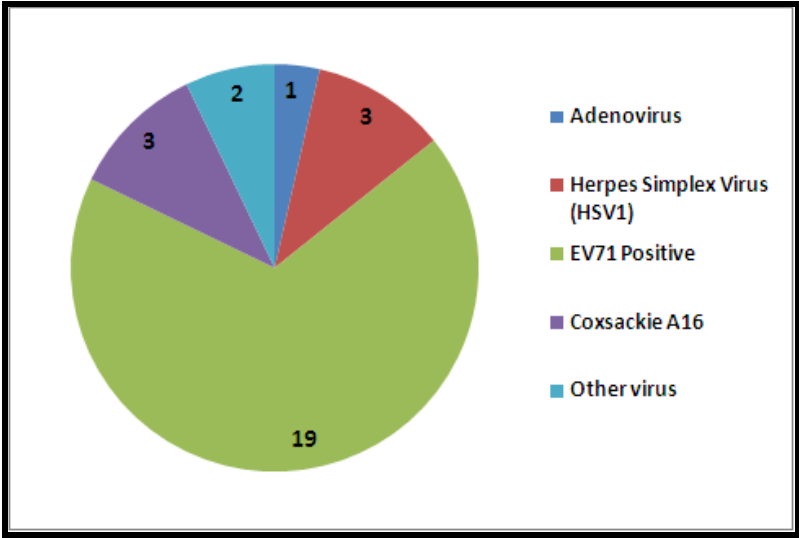
As at Epid Week 29, 2011, Sarawak had sent 136 specimens for serology test. Two specimens positive for measles IgM and 28 positive for rubella IgM. Only 12 specimens for measles viral isolation from Sarawak were sent to MKAK Sg. Buloh but so far none were positive.

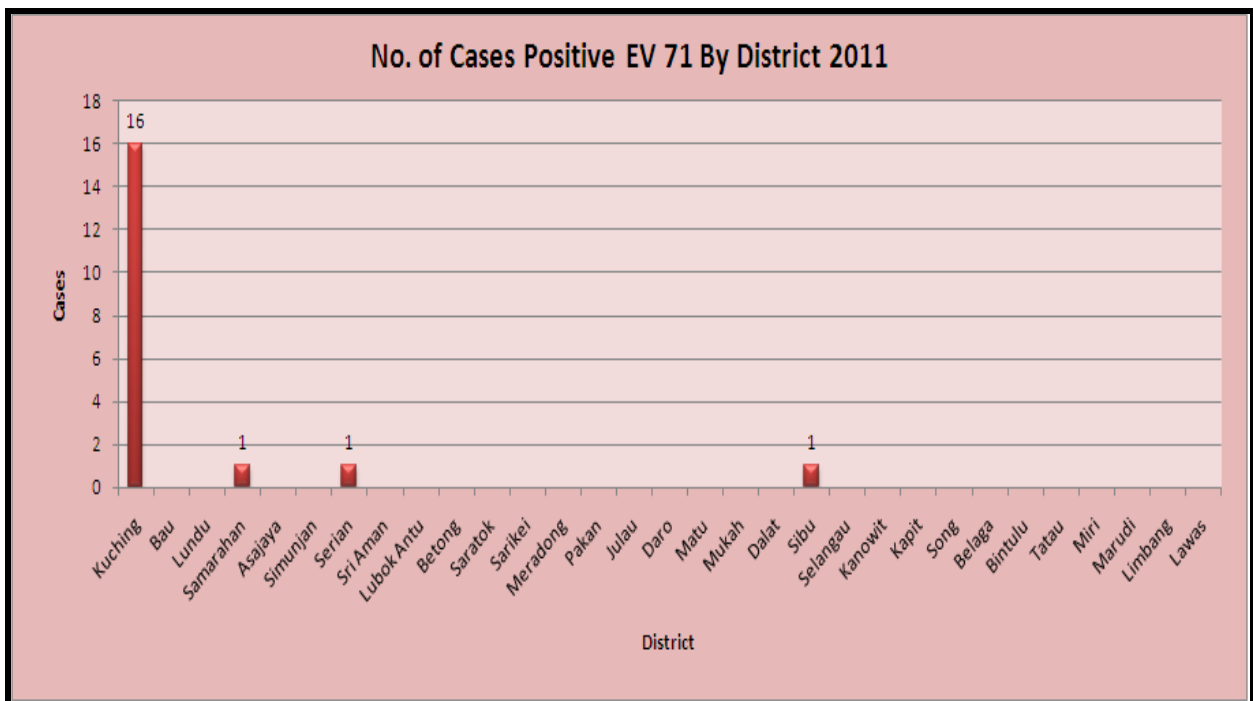
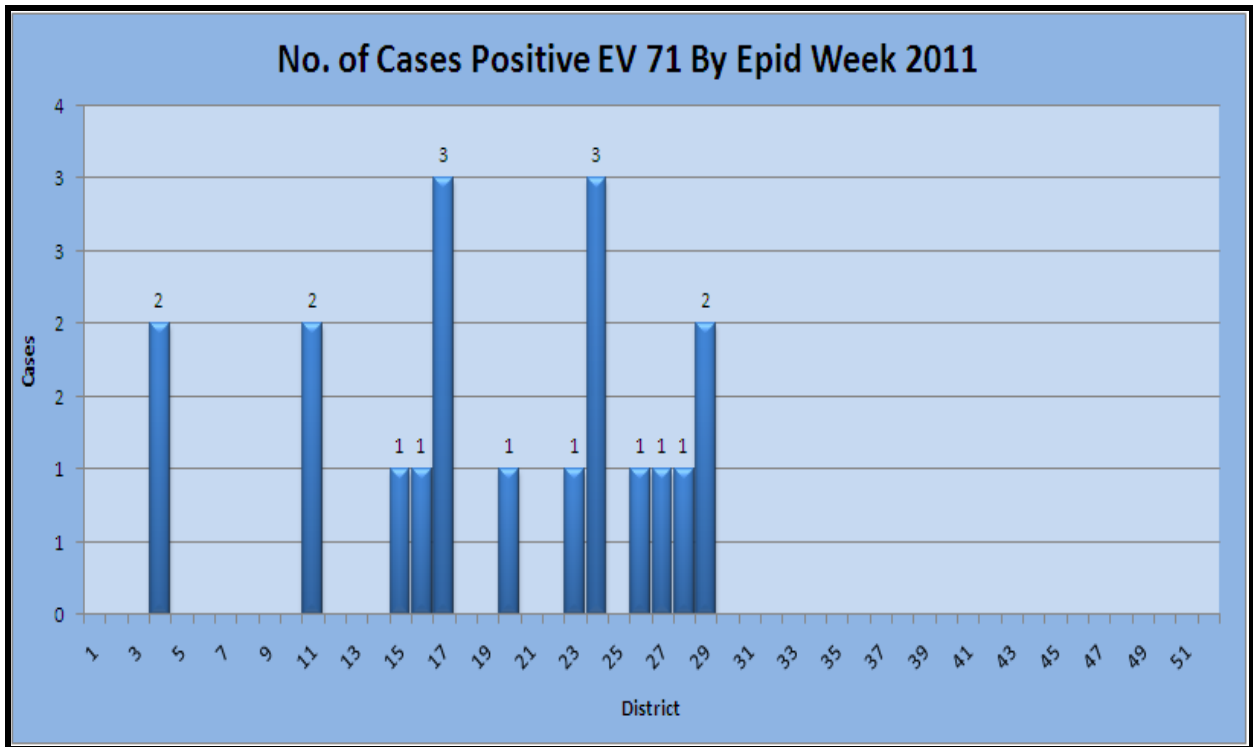
6.3. Laboratory Based Surveillance for HFMD in Sarawak from Epid Week 1 till Epid Week 32, 2011 compared to 2010 (inset).



In Malaysia, as at Epid. Week 31, 2011, a total of 1,090 specimens of HFMD were sent to MKAK Sg. Buloh for viral isolation. Out of these, 160 specimens isolated HFMD viruses: EV71 (41), Coxsackie A16 (140), Herpes Simplex (HSV 1) (8) and other viruses (7).

In Sarawak, as at Epid. Week 31, 2011, a total of 443 specimens were sent to MKAK Sg. Buloh for viral isolation. Of these, 28 specimens isolated viruses: EV71 (19), Coxsackie A16 (3), Herpes Simplex (HSV 1) [3], Adenovirus (1) and other virus (2).



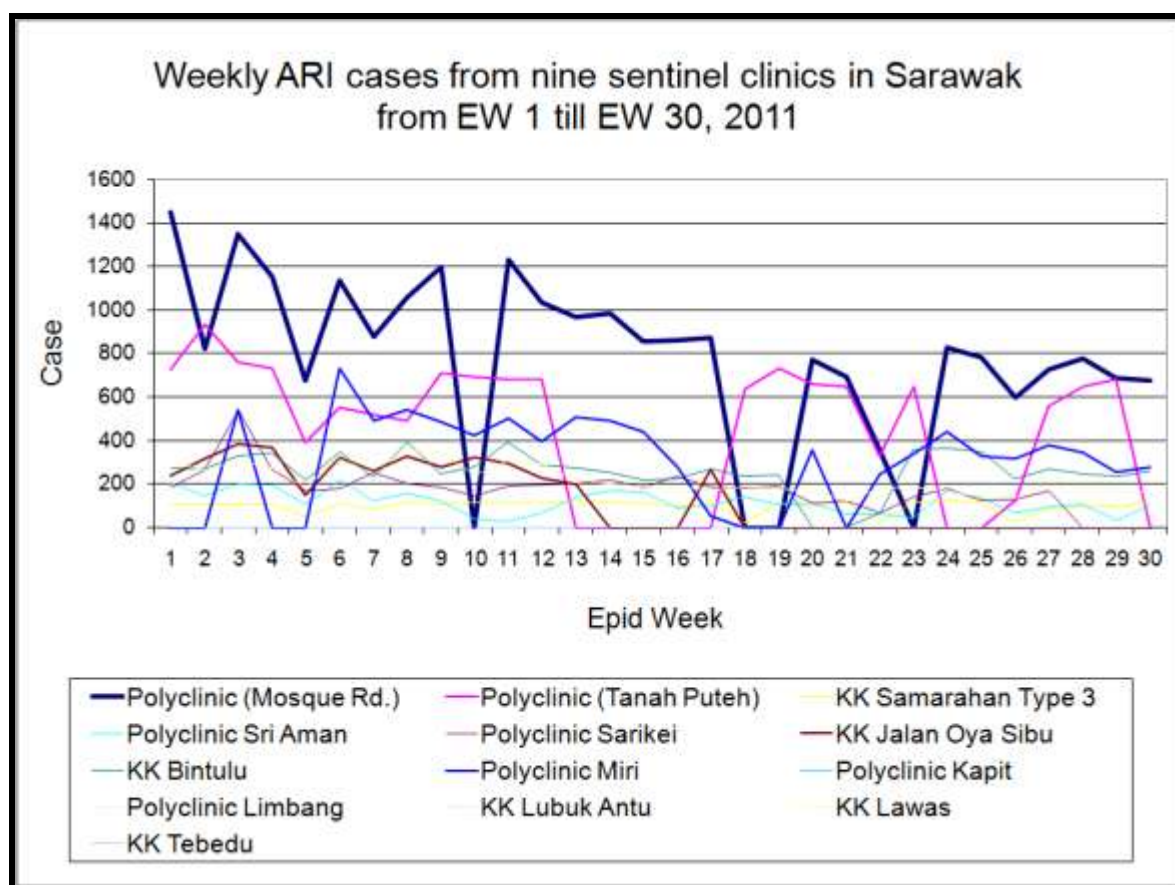


7. HAZE RELATED HEALTH SURVEILLANCE IN SARAWAK

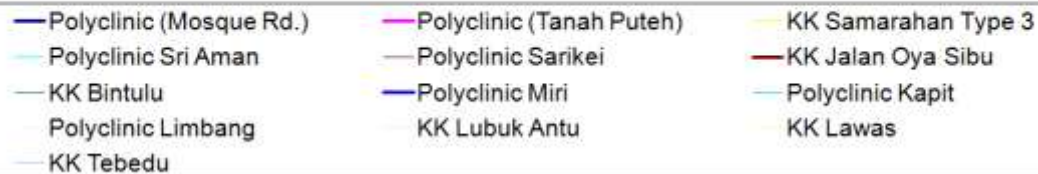
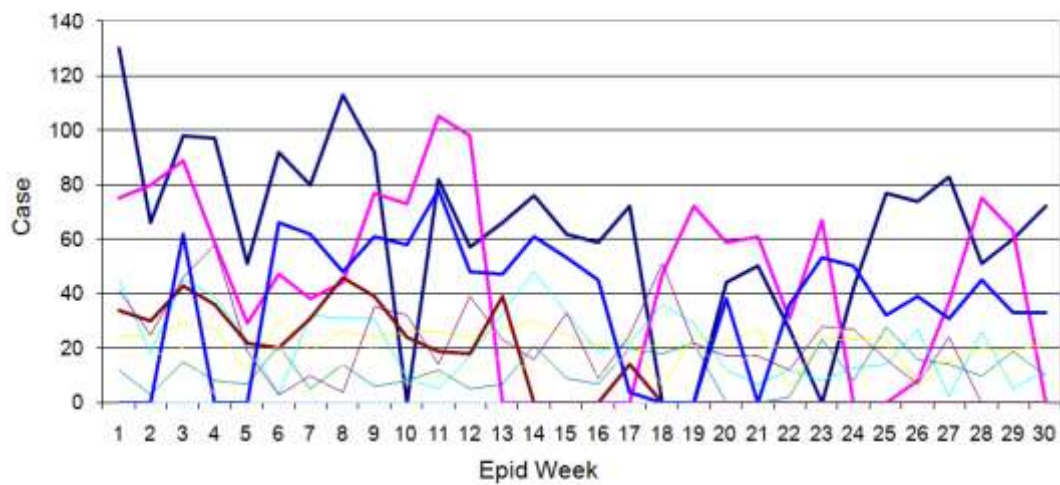
Sarawak Health Department has been monitoring the haze-related illnesses by weekly monitoring the attendance for the illnesses at 13 sentinel clinics. Malaysia Ministry of Health sets that the illnesses to be monitored are acute respiratory illness (ARI), asthma, and conjunctivitis. The sentinel clinics were chosen based on the locality of the air quality monitoring stations in Sarawak.

From Epid. Week 1 till Epid. Week 30, the weekly trend of ARI, asthma and conjunctivitis cases from nine sentinel clinics in Sarawak did not show any significant increase. Nevertheless, in Epid. Week 30 there was an increase of conjunctivitis in Kuching Division due to viral conjunctivitis. The other four sentinel clinics namely KK Kapit, JPL Limbang, KK Lubok Antu, and KK Tebedu have not submit the weekly report.

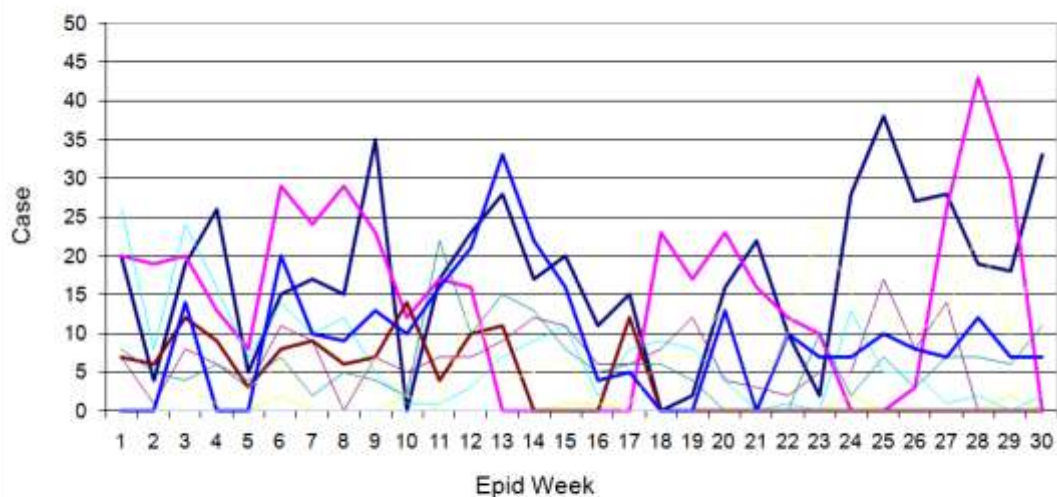
In 2011, there was no haze detected in the first six month in Sarawak except in July we experienced mild haze with slight increased of Air Pollution Index (API) due to drought. However, the daily API surveillance from the air quality monitoring stations in Sarawak had been reported as moderate level status.



Weekly asthma cases from nine sentinel clinics in Sarawak from EW 1 till EW 30, 2011



Weekly conjunctivitis cases in nine sentinel clinics in Sarawak from EW 1 till EW 30, 2011



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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.

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 13th August 2011):

Bil	Jawatan / Nama	Alamat	Email	No. Hp
1	Ketua Penolong Pengarah Kanan Dr. Razitasham Binti Safii	Seksyen Kawalan Penyakit Berjangkit, Jabatan Kesihatan Negeri Sarawak	razitasham@srwk.moh.gov.my	Tel:082-421442 Fax: 082-234571
2	Ketua Penolong Pengarah Dr. Noorzilawati bt. Sahak	Seksyen Kawalan Penyakit Berjangkit, Jabatan Kesihatan Negeri Sarawak	drnoorzila@gmail.com	Tel: 082-246935
3	Pegawai Kesihatan Bahagian Kuching Dr. Kamarudin Lajim	Pejabat Kesihatan Bahagian, Bahagian Kuching, Jln Tun Ahmad Zaidi Adruce, 93250 Kuching	dhoshan@yahoo.com.sg kamarudinl@srwk.moh.gov.my	Tel:082 – 238635/257867 Fax:082-414542/250037 Hp:013-8014332
4	Pegawai Kesihatan Bahagian Samarahan Dr. Julaidah Sharip	Pejabat Kesihatan Bahagian, Bahagian Samarahan, Jln Datuk Muhammad Musa, 94300 Kota Samarahan	drjulaidah@yahoo.com	Tel:082-673626 Fax:082-673632 Hp:019-8270869
5	Pegawai Kesihatan Bahagian Sri Aman Dr. Murnihayati Binti Ali	Pejabat Kesihatan Bahagian, Bahagian Sri Aman, Tingkat 3, Wisma Persekutuan, Jln Hospital, 95007 Sri Aman	murnihayati_ali@yahoo.com	Tel:083-332176 Fax:083-322058 Hp:012-5066751
6	Pegawai Kesihatan Bahagian Betong Dr. Jeffery Stephen	Pejabat Kesihatan Bahagian, Bahagian Betong, KM 2 Jln Betong, 95700 Betong	endena90@yahoo.com stjeffery@srwk.moh.gov.my	Tel:083-472116 Fax:083-471870 Hp:019-8584053
7	Pegawai Kesihatan Bahagian Sarikei Dr. Hasrina Hassan	Pejabat Kesihatan Bahagian, Bahagian Sarikei, Tingkat 3, Wisma Persekutuan, 96100 Sarikei	hasrina.hassan@gmail.com	Tel:084-651077 Fax:084-654088 Hp:013-3403363
8	Pegawai Kesihatan Bahagian Sibul Dr. Muhamad Rais Bin Abdullah	Pejabat Kesihatan Bahagian, Bahagian Sibul, Tingkat 5, Wisma Persekutuan, Persiaran Brooke, 96000 Sibul	mdrais@srwk.moh.gov.my	Tel:084-315494 Fax:084-332502 Hp:017-8030839/019-
9	Pegawai Kesihatan Bahagian Kapit Dr. Ngian Hie Hung	Pejabat Kesihatan Bahagian, Bahagian Kapit, Tingkat 3, Wisma Persekutuan, 96800 Kapit	ngianhu@srwk.moh.gov.my ngianhu@yahoo.com	Tel:084-796404/084- Fax:084-798092 Hp:019-8199679
10	Pegawai Kesihatan Bahagian Mukah Dr. Hj Osman Bin Hj. Rafaie	Pejabat Kesihatan Bahagian, Bahagian Mukah, Jln Hj Muhammad Pauzi, 96400 Mukah	dho_10mukah@yahoo.com dho_mukah@yahoo.com	Tel:084-873301 Hp:013-8014700
11	Pegawai Kesihatan Bahagian Bintulu Dr. Abdul Rahim Bin Abdullah	Pejabat Kesihatan Bahagian, Bahagian Bintulu, Lebuhraya Abang Galau, 97000 Bintulu	dr.abdrahim@moh.gov.my dr.abdrahim@yahoo.com.my	Tel:086-331455 Fax:086-331814 Hp:019-7591956
12	Pegawai Kesihatan Bahagian Miri Dr. Faizul Bin Mansoor	Pejabat Kesihatan Bahagian, Bahagian Miri, Jln Temenggong Oyong Lawai Jau, 98000 Miri	bmfaizul@moh.gov.my	Tel:085-424722 Fax:085-429987 Hp:013-8335504
13	Pegawai Kesihatan Bahagian Limbang Dr. Norliza Binti Jusoh	Pejabat Kesihatan Bahagian, Bahagian Limbang, Jln Pendaruan, 98700 Limbang	norlizaj@srwk.moh.gov.my	Tel:085-211046 Fax:085-211116 Hp: 013 – 8163163