



SARAWAK

WEEKLY EPID NEWS

Sarawak Health Department

WEEK 36

4th – 10th SEPTEMBER 2011

INFECTIOUS DISEASE/CRISIS HIGHLIGHTS IN SARAWAK

In Epid. Week 36, 2011, Sarawak Health Department had received 10 outbreak reports i.e. four HFMD family clusters, and one outbreak of food poisoning, AGE, rubella, dengue, and malaria.

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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	HFMD	Sarikei	*Jalan Rentap	3	02/09/2011
2		Kuching	Lorong 28A6, RPR Batu Kawa	2	06/09/2011
3			Jalan Pin Ann, Landeh	2	04/09/2011
4			Taman Sri Perkasa, Jalan Matang	2	07/09/2011
5	Food Poisoning	Kuching	Food stall at Jalan Astana	8	07/09/2011
6	AGE	Song	Rh. Sebastian Tambi, Nanga Tambi	11	07/09/2011
7	Rubella	Kuching	Sekolah Menengah Vokasional Matang, Jalan Matang	4	08/09/2011
8	Dengue	Julau	Rh. Munor, Nanga Dong	2	07/09/2011
9	Malaria	Limbang	KKB Merbau Mobile, Nanga Medamit	2 (P.v.)	06/09/2011
10		Lubok Antu	SK Sebangki	2 (P.v.)	10/09/2011

*Late reporting to CPRC, Sarawak Health Department

There were ten cluster/outbreaks were reported in Epid. Week 36, 2011 to Sarawak Health Department.

2.1. Preliminary report of AGE outbreak at Rh. Sebastian Tambi, Nanga Bangkit, Song.

Song District Health Office had received notification of suspected acute gastroenteritis (AGE) outbreak at Rh. Sebastian Tambi Ng. Bangkit, Song at 12:40 PM on 7th September 2011. Rh. Sebastian Tambi is only accessible from Song town by river where it takes about three hours to reach the longhouse. The population of Rh. Sebastian Tambi is about 168 that consist of 42 doors.

The total number of cases was 11 (male=4; female=7) ages between one to 65 years old from seven families. The clinical presentations were diarrhoea (100%), abdominal pain (63.6%), headache (45.5%), vomiting (36.4%), fever (18.3%) and body weakness (9.1%). All cases were treated at Klinik Kesihatan Nanga Bangkit, Song which is just nearby the longhouse.

The first onset was at 9:30 PM on 29th August 2011 and the last onset was on 7th September 2011. There was no major events held at the longhouse before the incidence and no cases had attended any functions outside their longhouse. The suspected source of infection cause was from water pipe supplied by gravity feed system (GFS). Six water samples were taken to test for *E. coli* and five stool specimens were taken from five of the cases.

The source drinking water is from gravity feed system. All doors have sanitary latrine. Inspection of GFS pipeline and water catchment area (dam) and “gotong royong” to clean the area will be carried out soon.

2.2. Preliminary report of food poisoning involving a stall at Jalan Astana, Kuching.

Kuching Divisional Health Office was notified of food poisoning outbreak involving two families who has the same exposure of consuming *nasi lemak* from the same stall at Jalan Astana, Kuching on the 7th September 2011. The number of person exposed were nine and the number of cases were eight (male=3, female= 5). The cases ages between 7 – 55 years old were predominantly presented with upper GIT symptoms with vomiting (88%), nausea (77%), diarrhoea (55.6%), abdominal pain (44.5%), headache (22.2%) and fever (11.1%).

The suspected food is *nasi lemak* which was consumed at three different times on the 7th September 2011 at 9:00 AM (by family of seven at their home), at 10:00 AM and 10:15 AM by two siblings of another family at their school. The first onset was at 12:30 PM on 7th September 2011. Incubation period ranges from 3 – 5.5 hours and the suspected etiological agent is *Staph. aureus*

Five surface swabs were taken at the food handler house. Two nasal swab and nail scrapping were taken from two food handlers. The food was prepared at food handlers’ home. *Sambal* was prepared at 7:00 PM on the 6th September 2011 while *nasi lemak* was prepared around 12:00 AM on the 7th September 2011. *Nasi lemak* was packed using plastic wrapper at around 5:30 AM and 6:00 AM, was displayed for sale at their stall at Jalan Astana Kuching.

Based on preliminary investigation, the risk factor could be due to long holding time and the food handlers also did not attend any food hygiene course.

3. MANDATORY NOTIFIABLE DISEASES REPORTED IN EPID. WEEK 36, 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			2								1							
Bau						1									1					4							
Kuching									8	5	28									39			1				
Samarahan						1					1									4							1
Asajaya																											1
Simunjan						2														1							
Serian	1/0										1	2								3							1
Sri Aman						1					3	1								4							
L/ Antu						3					1	1								4							
Betong											1									2							
Saratok																				2							
Sarikei																				2							
Meradong						1					1																
Pakan/Julau						1						1								6							
Daro																				2							
Matu											1																
Dalat											3									1							
Mukah																				2							
Sibu						1					5	2								7							
Kanowit						2														4							
Selangau																				3							
Song									11																		
Kapit												2								5							
Belaga											1	1								2							
Tatau											1	1								5							
Bintulu										2	30									8							
Miri						3					4				1					24							
Marudi						2						4								13							
Limbang						1														4							
Lawas																				2							
TOTAL (Week 36)	1/0	0	0	0	0	19	0	0	19	8	81	0	17	0	2	0	0	0	0	0	154	0	0	1	0	0	3
Total (2011)	77/58	0	0	252	0	701	9	0	1006	245	1691	10	1207	29	147	0	0	0	97	1	1332	4	0	104	9	0	74
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 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 HIV case was reported in Epid. Week 36, 2011 from Serian district. The cumulative total HIV cases is remained as 77 and all cases are adults. The cumulative total AIDS cases were 58.

3.1.2. Cholera

No case reported in Epid. Week 36, 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

No new suspected case reported in Epid. Week 36, 2011. As at 10th September 2011, a cumulative total of nine suspected dysentery cases were reported but only two cases was confirmed to be *Amebic dysentery and Shigellosis*. The others were negative for microbiological analyses.

3.1.4. Food Poisoning

Two new food poisoning outbreaks were reported in Epid. Week 36, 2011 at Kuching and Song District. The cumulative total of food poisoning cases were 1006 that consist of 35 outbreaks. Out of 35 outbreaks, 20(62.5%) involved schools (9 primary; 11 secondary). SMK Sri Patiambun had three episodes of food poisoning outbreak this year.

3.1.5. Gonorrhoea

Eight new cases were reported in Epid. Week 36, 2011. The cases are from Kuching (5), Lundu (1) and Bintulu (2) district.

Out of a cumulative total of 285 cases reported in 2011, 284 were adults and only one was a gonococcal neonatorum.

3.1.6. Leprosy

No case reported in Epid. Week 36, 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 36, 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

Two suspected measles cases were reported in Epid. Week 36, 2011, each from Bau and Miri districts. Blood specimens were taken for serology test but results are still pending.

The first case is a sixteen years old Bidayuh girl presented with fever, rashes, and cough on the 6th September 2011. She is studying at Sekolah Menengah Vokasional Matang, Kuching and had received one dose of measles vaccination at one year old.

The second case is a 38 years old Chinese man from Piasau, Miri. He presented with fever, rashes, and coryza. He works at plastic factory and stay at the worker's quarters. No other workers having the same symptoms. Vaccination status is unknown.

The cumulative total of suspected measles cases was 147. Of these, only two cases were confirmed by positive IgM measles who is; a three months old baby girl from Serian district, diagnosed and notified on the 19th February 2011 and 11 months old Malay girl from Kem Penrissen Lama, Kuching, diagnosed and notified on the 3rd August 2011 and confirmed on the 22nd August 2011. There was also one clinically confirmed case; who is a 20 years old Malay male from Marudi district, diagnosed and notified on 11th January 2011. Blood specimen for serology test was taken but was not sent to MKAK Sungai Buloh.

3.1.9. Syphilis

No case of syphilis reported in Epid. Week 36, 2011. As at 10th September 2011, a cumulative total of syphilis cases was 94.

3.1.10. Tetanus

No case reported in Epid. Week 36, 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 Ogos 2011, there were 154 confirmed TB cases reported, bringing a cumulative total of 1,332 cases reported in 2011 compared to 1,689 total cases reported in year 2010.

3.1.12. Typhoid and paratyphoid fever

No case reported in Epid. Week 36, 2011. The cumulative total confirmed typhoid cases were 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 hepatitis C case was reported in Epid. Week 36, 2011, involving a 17 years old Iban boy from Kuching district. This case was diagnosed and notified by Jalan Masjid Health Clinic, presented with urethral discharge and dysuria.

The cumulative total of viral hepatitis cases reported were 104. Of these, 52 cases were Hepatitis B where 21 were acute and 31 were chronic. Another 52 cases were Hepatitis C where 16 cases were acute and 36 were chronic.

3.1.14. Viral Encephalitis

No case reported in Epid. Week 36, 2011. The cumulative total of viral encephalitis cases were nine. Of these, one case was confirmed Japanese Encephalitis and seven were due to other viruses.

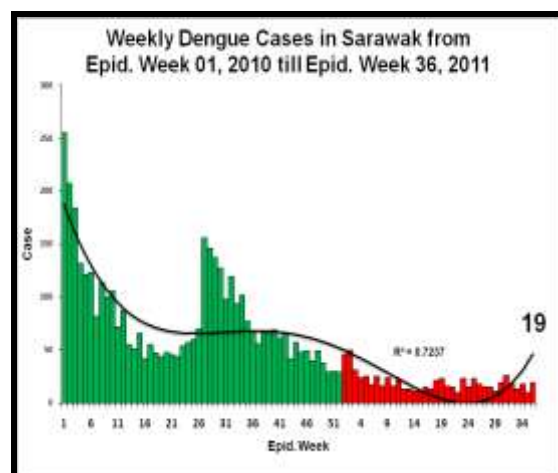
Note: Vector borne diseases and emerging and re-emerging infectious diseases will be discussed in their respective chapter.

4. VECTOR BORNE DISEASES: DENGUE, MALARIA AND CHIKUNGUNYA

4.1. Notified Dengue cases for Epid. Week 36, 2011 compared to Epid. Week 36, 2010 and cumulative cases till Epid. Week 36 in 2010.

District	2011		2010		Total
	EW 36	Cum.	EW 36	Cum.	
Lundu	0	9	2	54	69
Bau	1	20	4	100	123
Kuching	0	77	5	384	473
Samarahan	1	16	1	79	97
Asajaya	0	4	0	9	10
Serian	0	12	2	124	140
Simunjan	2	11	1	42	47
Sri Aman	1	36	0	76	96
Lubok Antu	3	19	2	40	53
Betong	0	10	0	22	30
Saratok	0	5	0	18	20
Sarikei	0	17	0	73	91
Meradong	1	11	0	47	53
Pakan	0	14	1	23	30
Julau	1	13	0	14	20
Daro	0	6	2	66	95
Matu	0	1	0	24	25
Dalat	0	2	0	9	14
Mukah	0	4	1	31	39
Sibu	1	55	25	850	1021
Kanowit	2	24	2	46	64
Selangau	0	7	0	16	32
Song	0	10	0	10	16
Kapit	0	27	2	136	158
Belaga	0	20	2	25	39
Tatau	0	30	0	25	40
Bintulu	0	86	6	188	237
Miri	3	87	5	687	816
Marudi	2	45	3	103	126
Limbang	1	17	1	102	131
Lawas	0	6	0	22	35
Sarawak	19	701	67	3445	4240

EW = Epid. Week



A total of 19 dengue cases were reported in Epid. Week 36, 2011 compared to 67 cases during the same period in 2010.

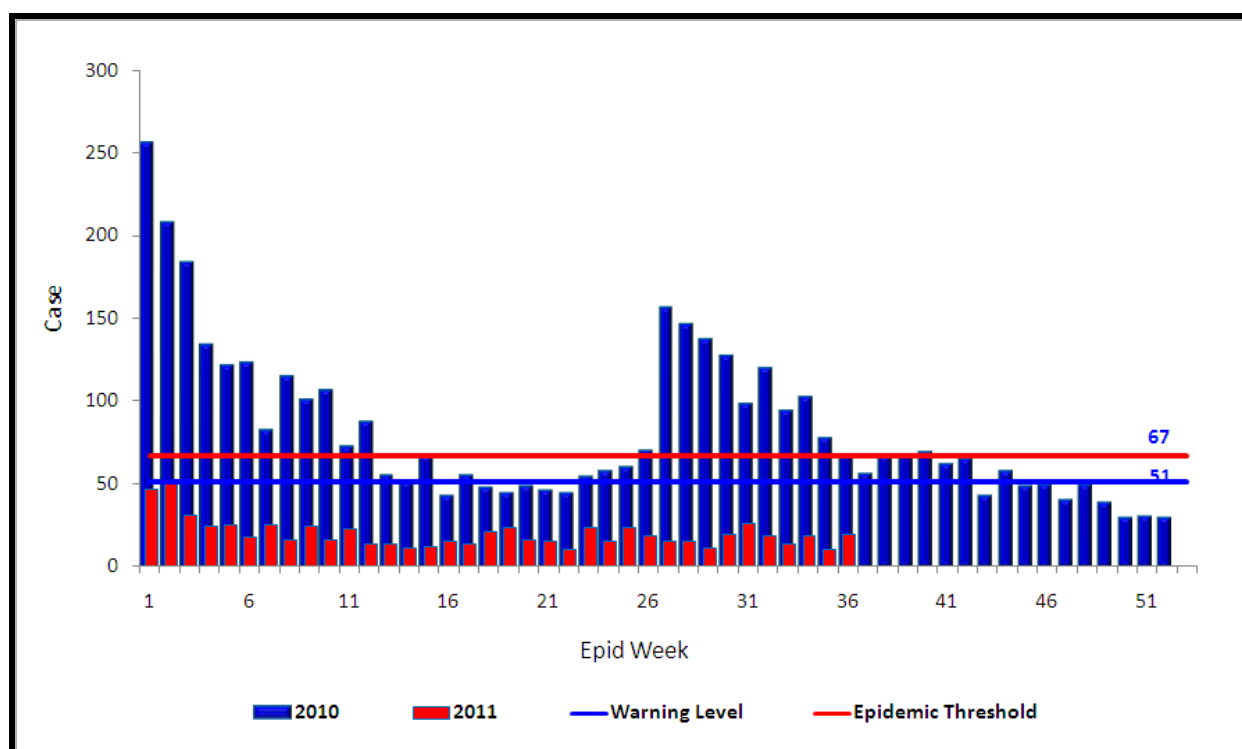
There is an increase of nine cases from the previous Epid. Week.

There is an outbreak in Julau. No uncontrolled outbreak was reported.

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

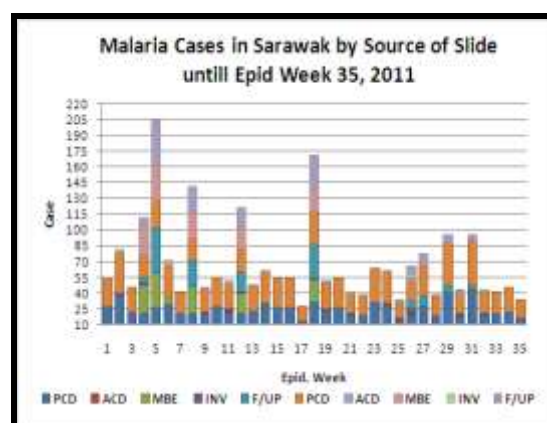
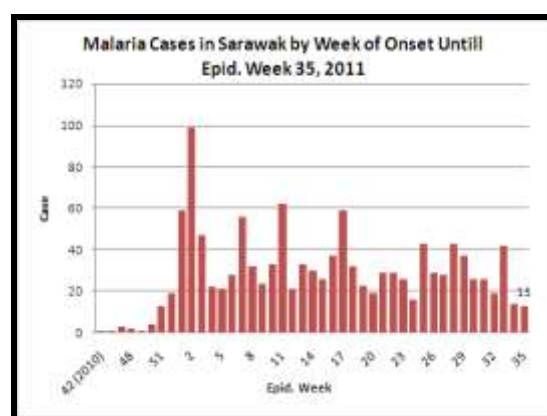
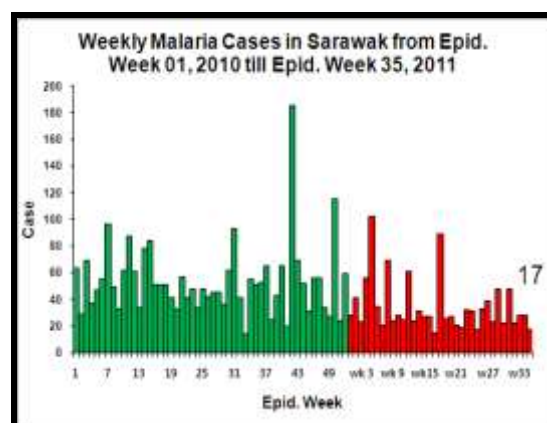
1. Bintulu
2. Miri
3. Kuching
4. Sibu
5. Marudi

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



4.2. Notified Malaria cases for Epid. Week 35, 2011 compared to Epid. Week 35, 2010 and cumulative cases till Epid. Week 35 in 2011.

District	2011		2010		Total
	EW 35	Cum.	EW 35	Cum.	
Lundu	2	29	1	64	72
Bau	0	3	0	8	9
Kuching	0	13	3	19	27
Samarahan	0	3	1	1	2
Asajaya	0	0	0	0	0
Simunjan	0	2	0	16	17
Serian	2	18	0	50	58
Sri Aman	1	10	0	16	25
Lubok Antu	1	15	0	15	16
Betong	0	28	0	8	15
Saratok	0	1	0	4	4
Sarikei	0	15	1	5	8
Meradong	0	8	0	2	3
Pakan	0	17	0	12	14
Julau	1	51	0	23	34
Daro	0	1	0	0	1
Matu	0	0	0	0	1
Dalat	0	8	0	11	14
Mukah	0	2	0	5	6
Sibu	2	29	0	29	43
Kanowit	0	57	5	46	65
Selangau	0	10	1	7	9
Song	0	46	0	31	46
Kapit	2	146	3	86	134
Belaga	1	92	6	245	300
Tatau	1	22	0	9	12
Bintulu	0	30	0	20	39
Miri	0	23	1	19	32
Marudi	4	491	28	1019	1734
Limbang	0	12	0	27	29
Lawas	0	25	1	26	33
Sarawak	17	1207	51	1823	2802



A total of 17 cases were reported in Epid. Week 35, 2011. Cumulative case till week 35 were 1,207. Of the 1,207 cases, 491 cases (41%) from Marudi District, 146 cases (12%) from Kapit District and 92 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. Cases detected by slide source

Slides source	Epid. Week 35	Epid. Week 1 – Epid. Week 35
Passive Case Detection (PCD)	17	877
Active Case Detection (ACD)	0	12
Investigation slides (INV)	0	12
Mass Blood Survey (MBS)	0	153
Follow-up	0	153
Total	17	1207

4.2.2. Cases by species

Species	Epid. Week 35	Epid. Week 1 – Epid. Week 35
<i>Plasmodium vivax</i>	10	690
<i>Plasmodium falciparum</i>	1	63
<i>Plasmodium malariae</i> [#]	2	243
<i>Plasmodium knowlesi</i>	4	208
<i>Plasmodium ovale</i>	0	0
Mixed infection	0	3
Total	17	1207

Notes: # May include *Plasmodium knowlesi*

4.2.3. Cases classification

Classification	Epid. Week 35	Epid. Week 1 – Epid. Week 35
Indigenous	14	940
*Imported A	2	151
Relapsed	1	115
Congenital	0	1
Total	17	1207

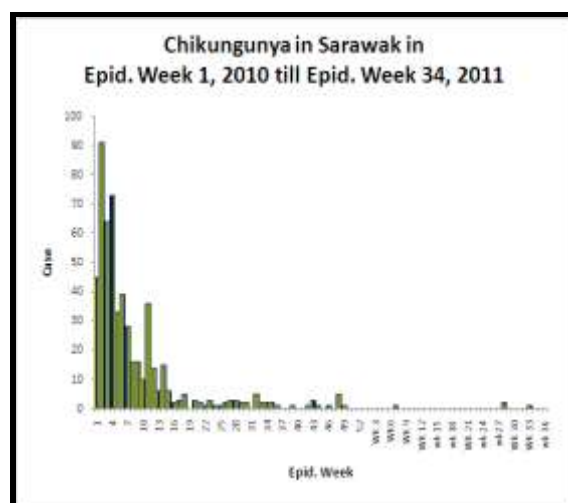
4.2.4. The source of infection of the *Imported A cases and the species involved.

No.	District reported	Source of infection	Case (No.)	Species
1	Kapit	KKB Bata, Congo, Africa	1	<i>Plasmodium malariae</i>
2	Serian	Khyber Pakhtunkhwa (KPK), Pakistan	1	<i>Plasmodium vivax</i>

4.3. Notified Chikungunya cases for Epid. Week 36, 2011 compared to Epid. Week 36, 2010 and cumulative cases till Epid. Week 36 in 2010.

District	2011		2010		
	EW 36	Cum.	EW 36	Cum.	Total
Lundu	0	0	0	1	1
Bau	0	0	1	12	13
Kuching	0	1	0	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	25	25
Pakan	0	0	0	10	10
Julau	0	0	0	22	22
Daro	0	0	0	20	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	61	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	4	1	537	550

EW = Epid Week



No case of Chikungunya was reported in Epid. Week 36, 2011. During the same period in 2010, one case was reported. The cumulative case of Chikungunya for 2011 remained as four.

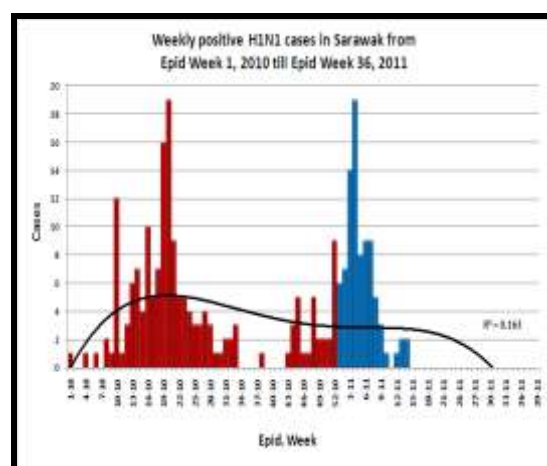
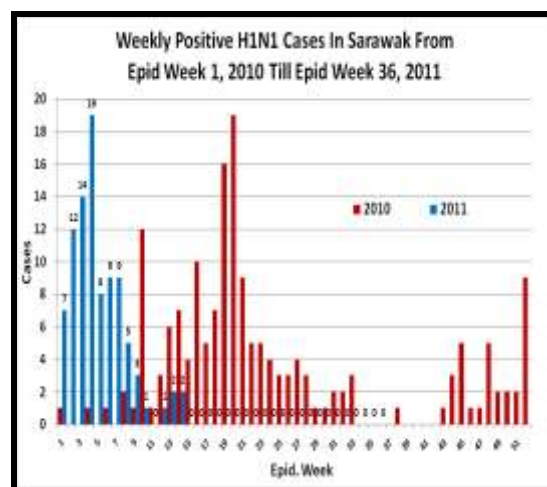
5. EMERGING/RE-EMERGING INFECTIOUS AND ZOO NOTIC DISEASES

5.1. H1N1

5.1.1 Positive Pandemic Influenza A (H1N1) cases for Epid. Week 36, 2011 compared to Epid. Week 36, 2010 and cumulative cases till Epid. Week 36 in 2011.

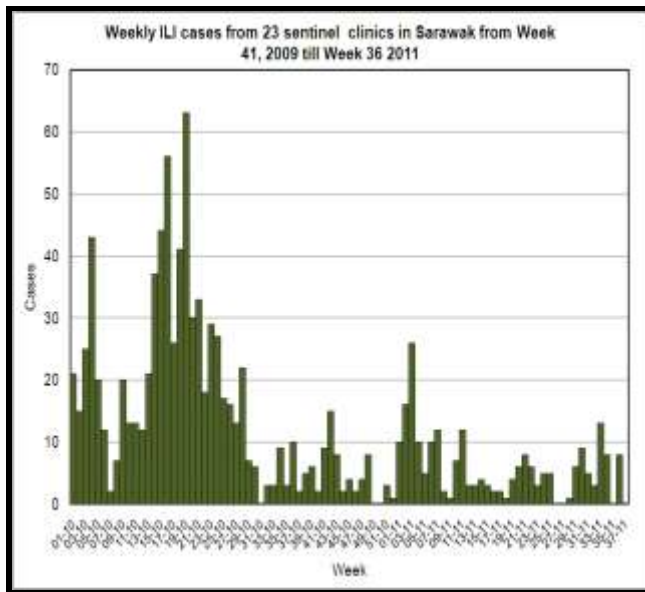
District	2011		2010		Total
	EW 36	Cum.	EW 36	Cum.	
Lundu	0	1	0	8	9
Bau	0	0	0	1	1
Kuching	0	51	0	42	61
Samarahan	0	0	0	8	8
Simunjan	0	0	0	3	4
Serian	0	0	0	2	2
Sri Aman	0	0	0	4	4
Lubok Antu	0	0	0	0	0
Betong	0	1	0	0	0
Saratok	0	0	0	0	0
Sarikei	0	0	0	2	2
Meradong	0	0	0	0	0
Julau	0	0	0	0	0
Daro	0	0	0	0	0
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	20	20
Lawas	0	1	0	2	2
TOTAL	0	92	0	137	161

EW = Epid. Week



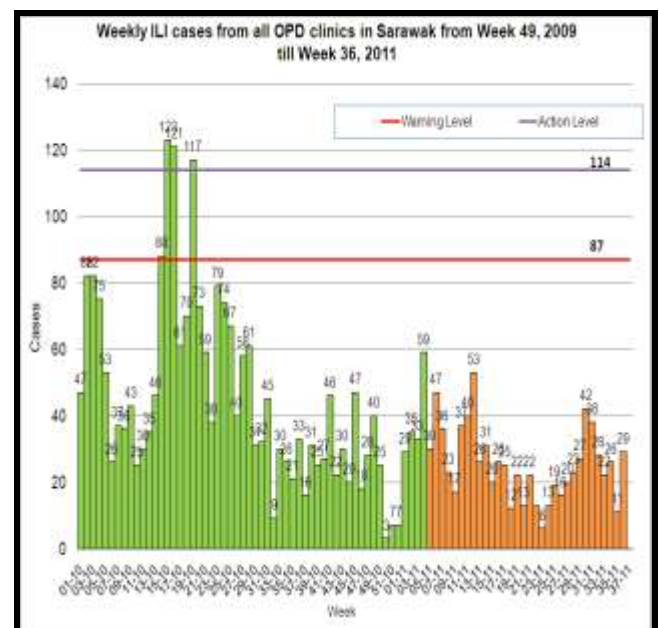
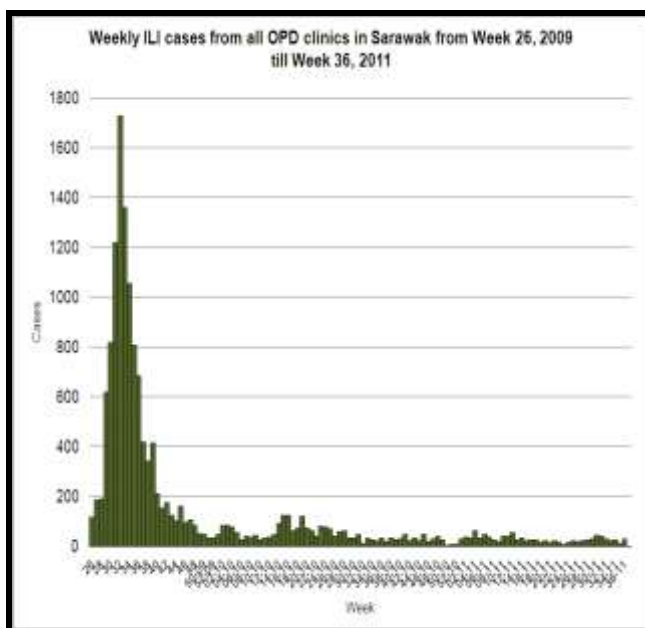
No H1N1 positive case was reported in Epid. Week 36, 2011. The cumulative total cases in 2011 were 92 cases compared to 137 cases reported during the same period in 2010.

5.1.2 Outpatient Influenza-Like Illness (ILI) Surveillance from Epid. Week 25 in 2009 till Epid. Week 36 in 2011.



In Epid. Week 36, 2011, eight ILI case reported from the 23 Sentinel clinics and all OPD clinics. This show a increasing 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).



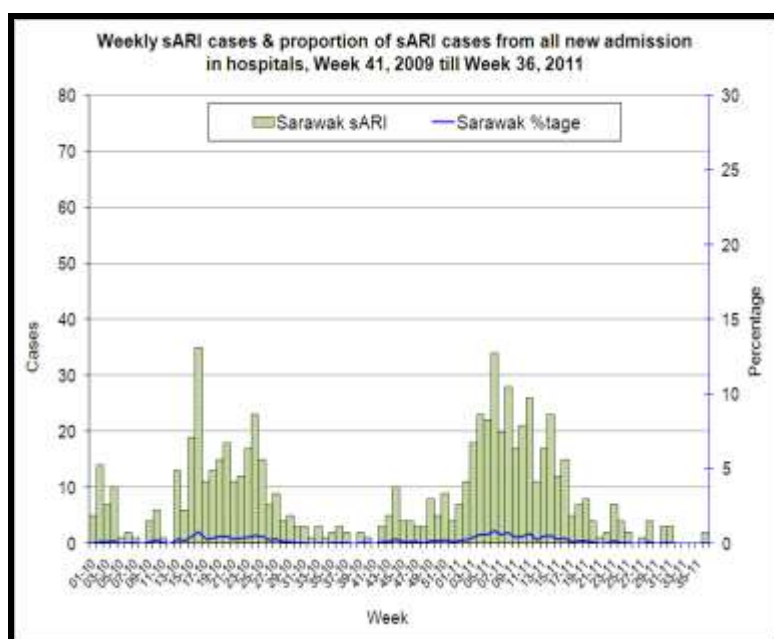
Referring to a letter dated 25 January 2011 from Office of the Deputy Director-General of Health (Public Health), Department of Public Health, Ministry of Health Malaysia about **PEMANTAUAN AKTIVITI H1N1 SECARA BERTERUSAN**, all PKB/PKD must send their daily H1N1 report as well as ILI and sARI surveillance 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 10th September 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 10th September 2011.

Division	Hospital	New EW 36	Cumulative 2011	No. of Inpatient			No. of Patient on Ventilator	Throat swabs		
				ICU	ISO	Other wards		Positive	Pending	Negative
Kuching	SGH Kuching	1	162	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	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	1	249	0	0	1	0	0	0	1
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		2	454	1	0	1	1	0	0	2

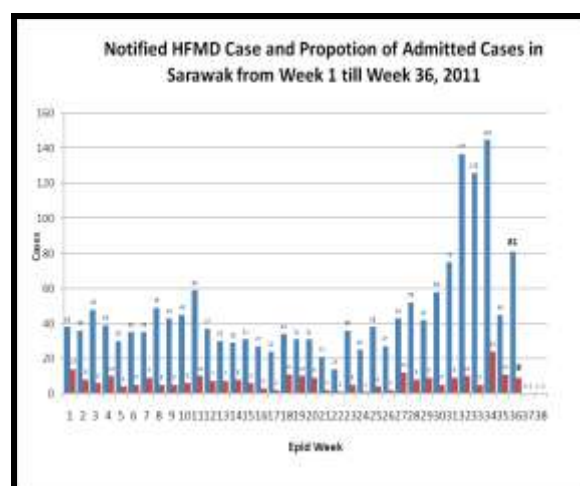
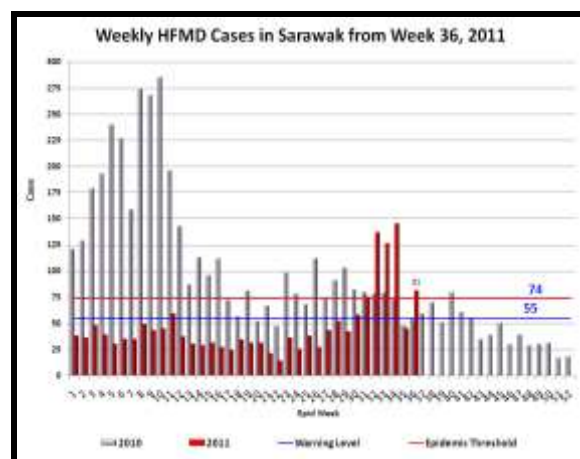
EW = Epid. Week

Two sARI admissions were reported in Epid. Week 36, 2011, each from SGH Kuching and Bintulu Hospital. All of them negative for Influenza A H1N1.

5.2. Notified HFMD cases for Epid. Week 36, 2011 compared to Epid. Week 36, 2010 and cumulative cases till Epid. Week 36 in 2011.

District	2011		2010		Total 2010
	WK 36	Cum.	WK 36	Cum.	
Kuching	28	272	4	872	961
Bau	0	64	1	201	209
Lundu	0	19	0	66	86
KUCHING	28	355	5	1139	1256
Samarahan	1	53	0	125	127
Asajaya	0	23	0	3	7
Simunjan	0	3	0	33	37
Serian	1	16	0	24	25
SAMARAHAN	2	95	0	185	196
Sri Aman	3	71	2	134	145
Lubok Antu	1	11	1	23	23
SRI AMAN	4	82	3	157	168
Betong	1	30	1	74	103
Saratok	0	28	0	38	38
BETONG	1	58	1	112	141
Sarikei	0	116	0	198	206
Meradong	1	39	1	51	55
Pakan	0	4	0	37	37
Julau	0	6	0	21	24
SARIKEI	1	165	1	307	322
Daro	0	0	0	23	24
Matu	1	1	0	19	20
Mukah	3	39	4	238	259
Dalat	0	16	0	105	108
MUKAH	4	56	4	385	411
Sibu	5	84	17	457	517
Selangau	0	5	1	8	17
Kanowit	0	19	0	44	44
SIBU	5	108	18	509	578
Kapit	0	49	0	104	116
Song	0	11	2	28	29
Belaga	1	6	0	10	10
KAPIT	1	66	2	142	155
Bintulu	30	490	13	462	629
Tatau	1	22	2	16	28
BINTULU	31	512	15	478	657
Miri	4	149	5	706	911
Marudi	0	40	0	91	105
MIRI	4	189	5	797	1016
Limbang	0	8	0	54	54
Lawas	0	3	0	52	56
LIMBANG	0	11	0	106	110
SARAWAK	81	1697	54	4317	5010

EW = Epid. Week

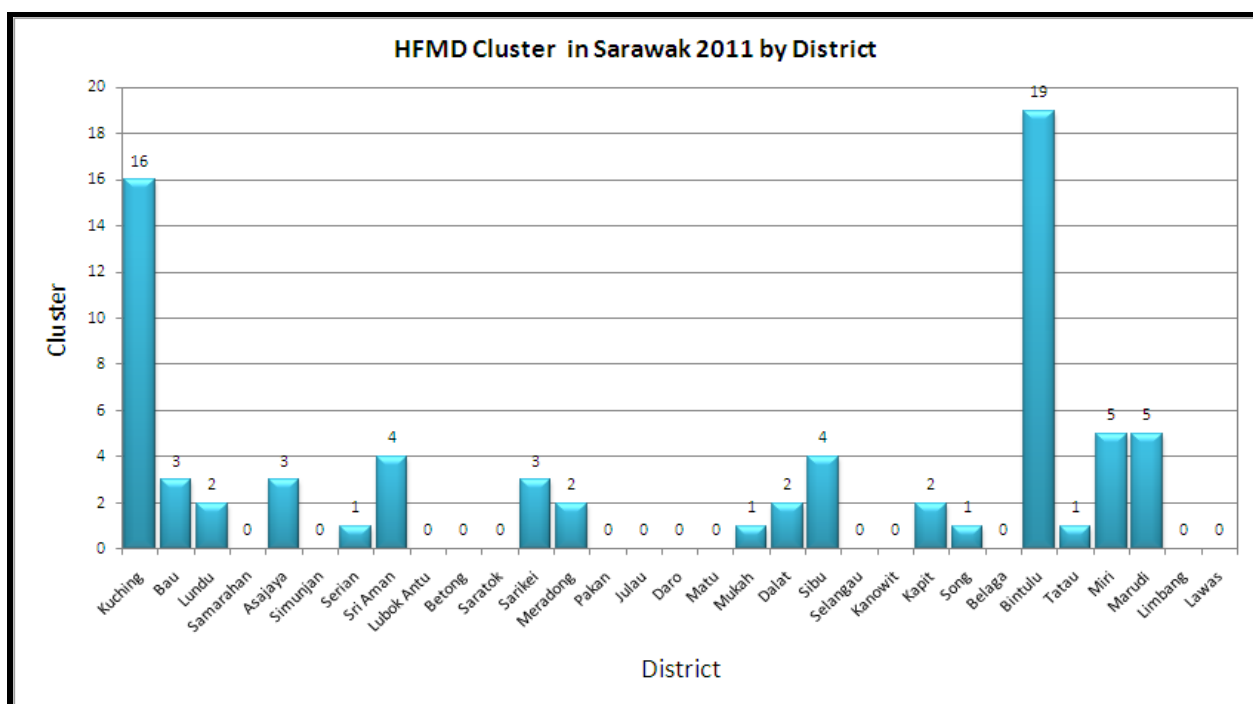
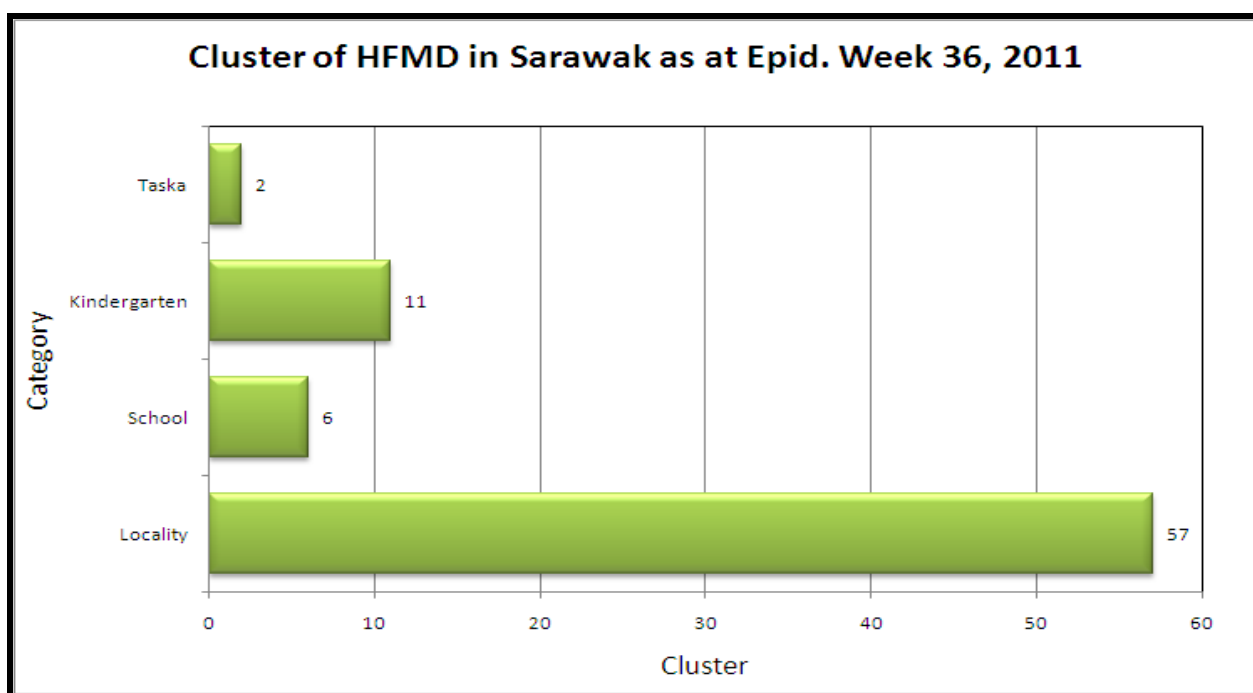


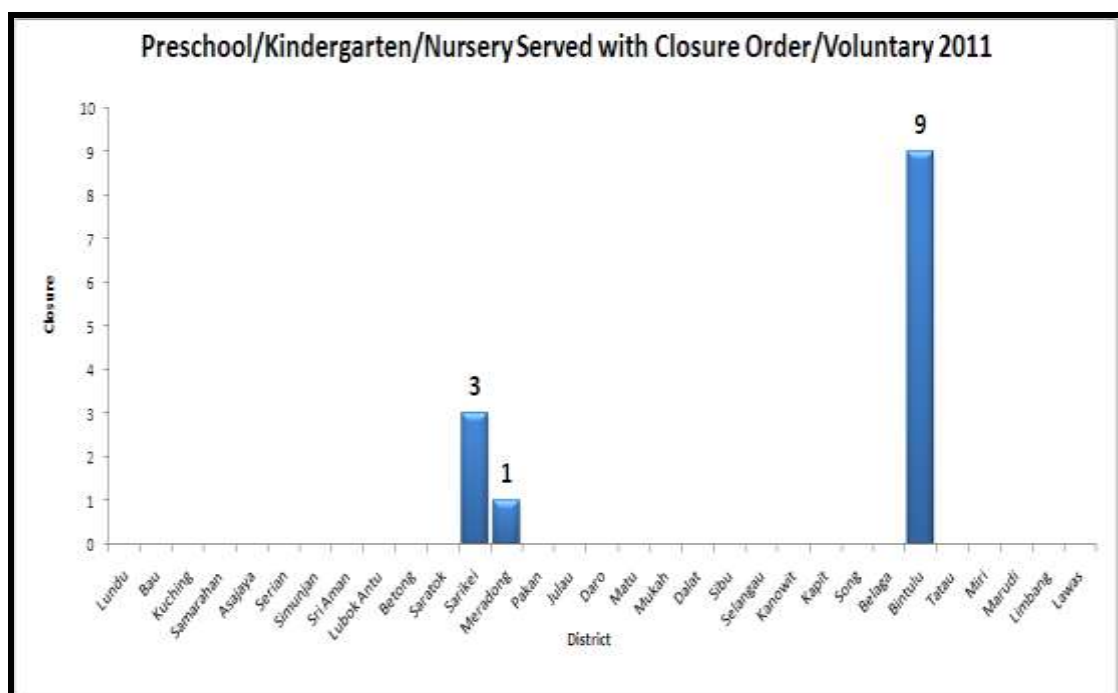
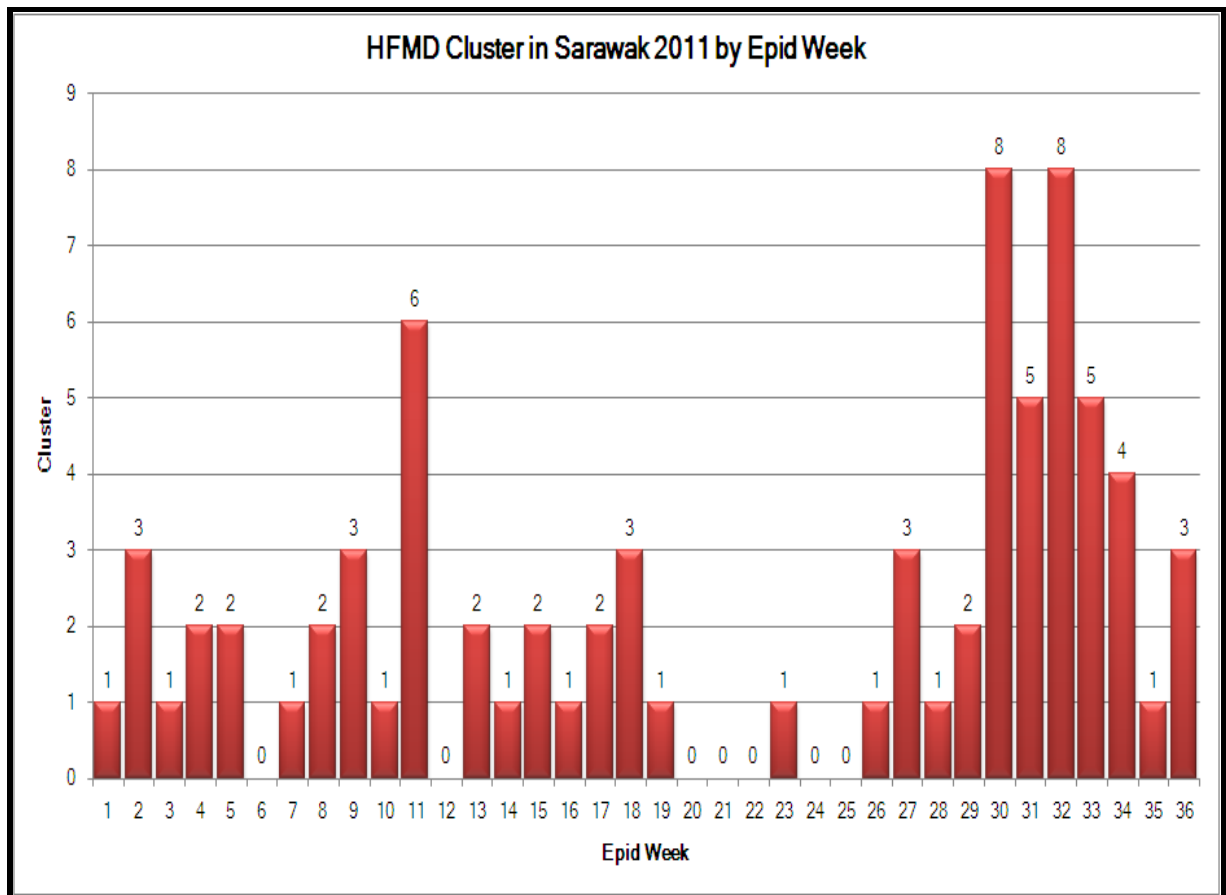
A total of 81 cases reported in Epid. Week 36, 2011. This was a decrease of 18 cases from Epid. Week 35, 2011. A cumulative total of 1,697 cases reported compared to 4,317 cases during the same period in 2010.

5.2.1. Cumulative HFMD Clusters as of 10th September 2011.

Three HFMD clusters reported in Epid. Week 36, 2011 involved three family clusters at Kuching district.

As at 10th September 2011, a total of 76 clusters reported. Of these, 57 (76.38%) were family cluster, 10 (13.88%) were cluster in kindergarten, six (8.33%) were in school and two (1.38%) was in taska or day care centre.





5.3. Notified Leptospirosis cases for Epid. Week 36, 2011 compared to Epid. Week 36, 2010 and cumulative cases till Epid. Week 36 in 2011.

District	Case classification (positive)				Total positive leptospirosis	
	Confirmed		Probable		2011	2010
	EW 36/2011	EW 36/2010	EW 36/2011	EW 36/2010		
Bau	0	0	0	0	0	1
Lundu	0	0	0	0	0	0
Kuching	0	0	0	1	12	12
Asajaya	0	0	1	0	2	0
Samarahan	0	0	1	0	2	1
Serian	0	0	1	0	4	2
Simunjan	0	0	0	0	2	1
Sri Aman	0	0	0	0	7	1
Lubok Antu	0	0	0	0	6	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
Dalat	0	0	0	0	1	0
Mukah	0	0	0	0	0	1
Daro	0	0	0	0	2	1
Matu	0	0	0	0	0	0
Sibu	0	0	0	0	2	6
Kanowit	0	0	0	0	2	1
Selangau	0	0	0	0	2	0
Song	0	0	0	0	0	2
Kapit	0	0	0	0	7	1
Belaga	0	0	0	0	4	0
Tatau	0	0	0	0	1	0
Bintulu	0	0	0	0	5	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	0	0	3	1	74	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

* No. of case in year 2011 are according to source of infection/home address

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 36, 2011 compared to Epid. Week 36, 2010 and cumulative cases till Epid. Week 36 in 2011.

District	Blood test result				Total positive	
	Positive				2011	2010
	Culture		Serology			
	EW 36/2011	EW 36/2010	EW 36/2011	EW 36/2010		
Bau	0	0	0	0	1	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	1	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	5	47	162
Belaga	0	0	1	0	11	28
Tatau	0	0	0	0	3	14
Bintulu	0	0	0	1	5	49
Miri	0	0	0	2	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	1	9	85	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.

* Any Melioidosis cases with culture result "No Growth" BUT "Positive" with IFAT Test $\geq 1:80$ are Probable case.

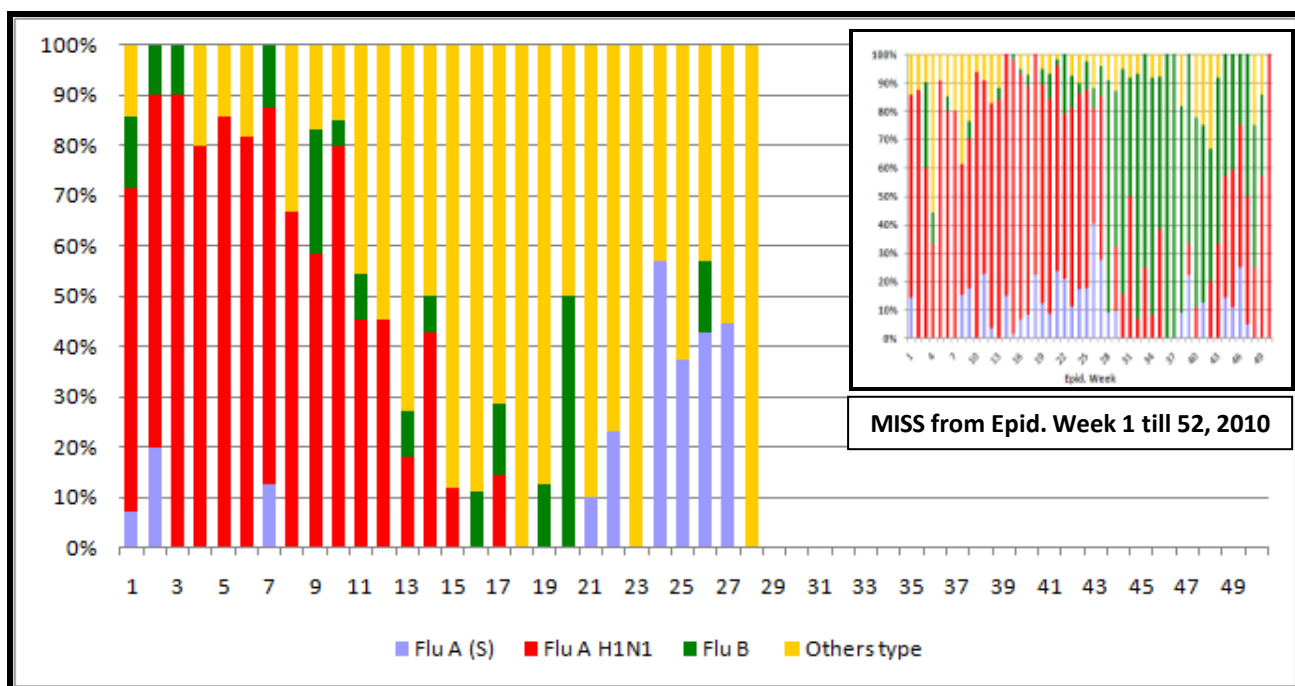
5.4.1. Locality of melioidosis outbreak in Sarawak as at 10th September 2011.

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).

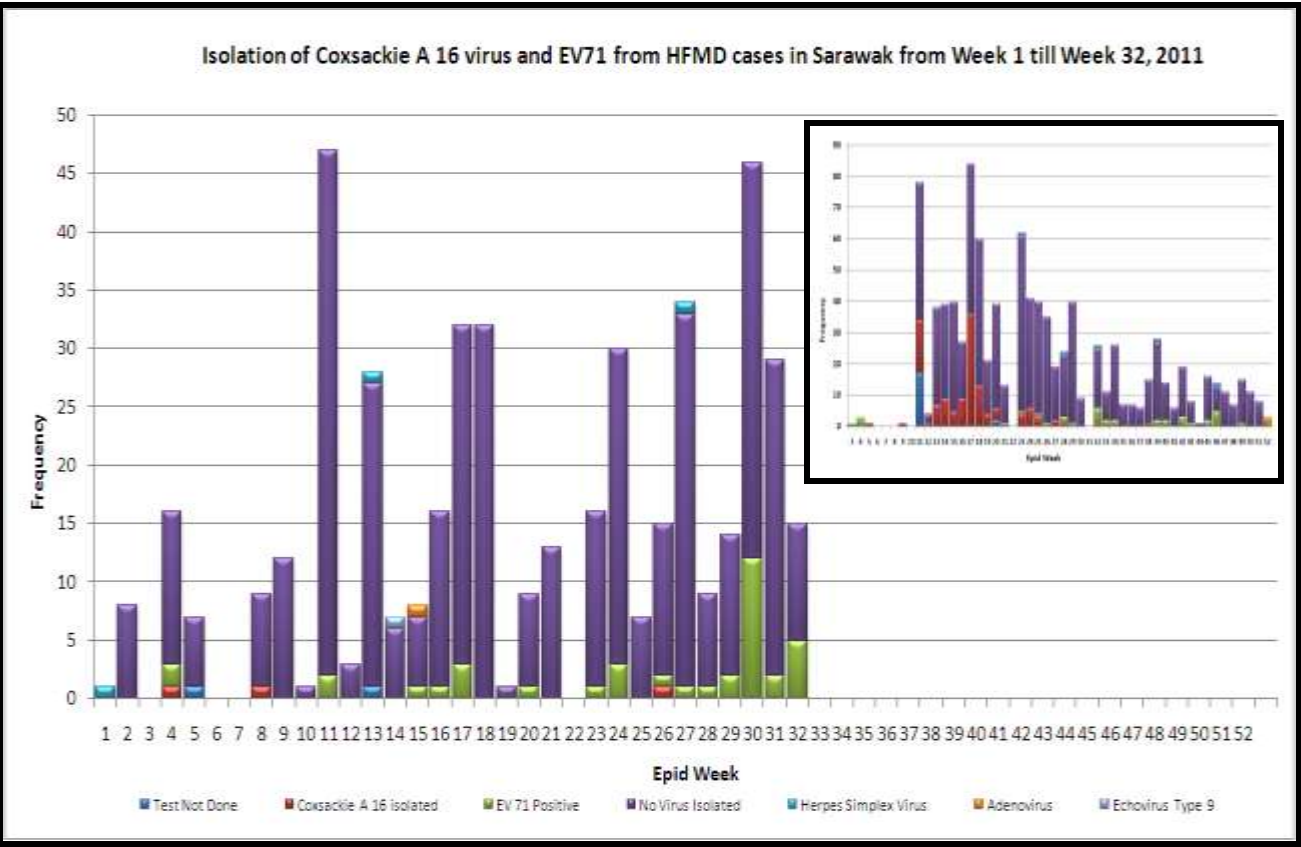
6.2. Laboratory Based Surveillance for Measles in Malaysia

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).

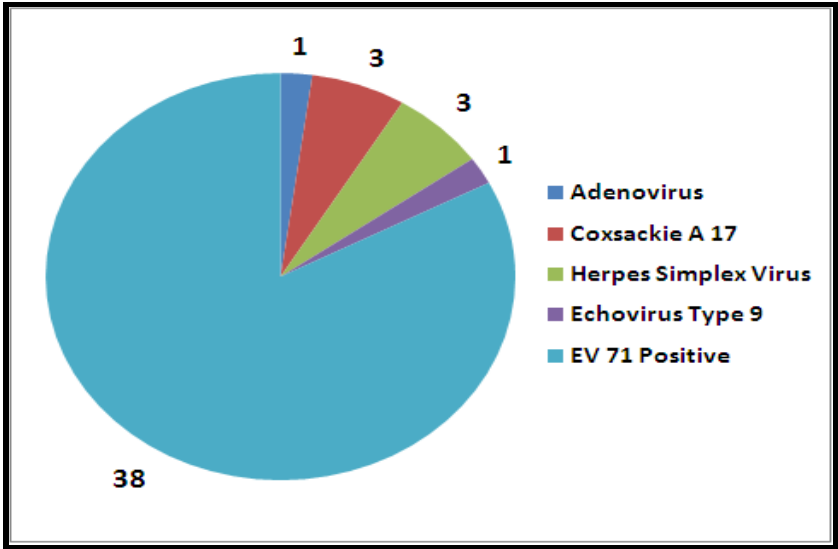
As at Epid Week 29, 2011, Sarawak had sent 136 specimens for serology test. Two specimens positive for measles IgM and 28 positive for rubella IgM. Only 12 specimens for measles viral isolation from Sarawak were sent to MKAK Sg. Buloh but so far none were positive.

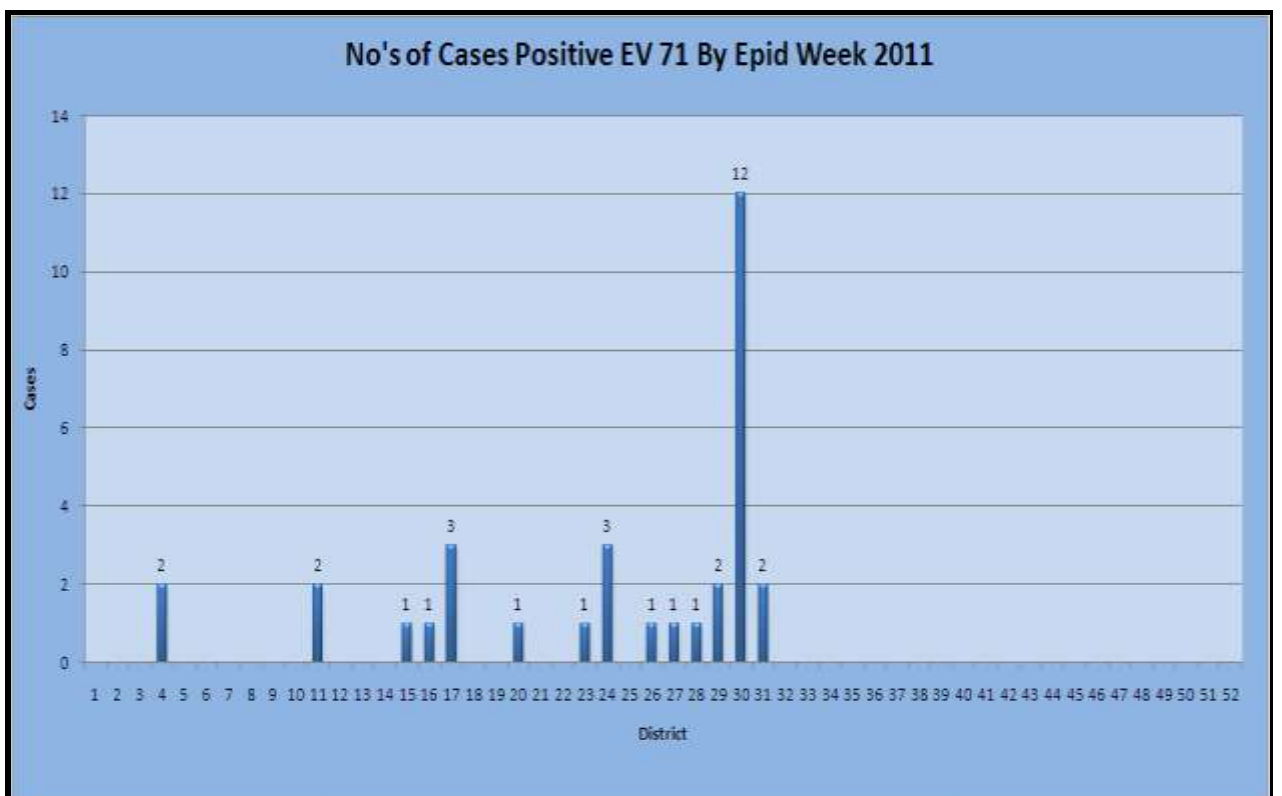
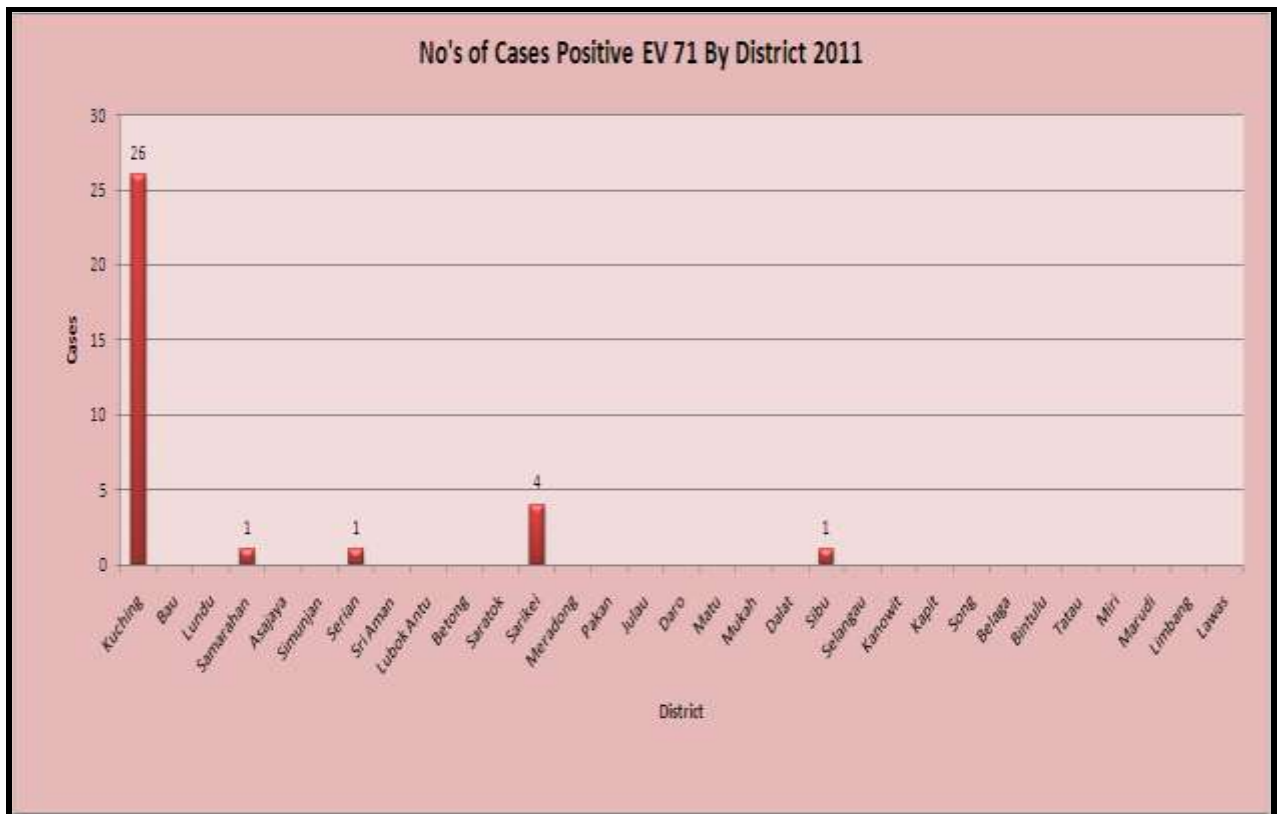
6.3. Laboratory Based Surveillance for HFMD in Sarawak from Epid Week 1 till Epid Week 36, 2011 compared to 2010 (inset).



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), Cocksackie A16 (140), Herpes Simplex (HSV 1) (8) and other viruses (7).

In Sarawak, as at Epid. Week 32, 2011, a total of 458 specimens were sent to MKAK Sg. Buloh for viral isolation. Of these, 46 specimens isolated viruses: EV71 (38), Cocksackie A16 (3), Herpes Simplex (HSV 1) [3], Adenovirus (1) and Echovirus Type 9 (1).





LIST OF NOTIFIABLE DISEASES				
First Schedule (Section 2), Prevention and Control Of Infectious Diseases Act, 1988 (Act 432)				
No.	Diseases	Notification		
		24 Hours	3 Days	1 Week
1	Chancroid			✓
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)

Appendix 2

The addresses and contact numbers of the Medical Officer of Health/Divisional Health Officers in Sarawak are listed below (as at 03rd September 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
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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.