



SARAWAK

WEEKLY EPID NEWS

Sarawak Health Department

WEEK 38

17th–24th SEPTEMBER 2011

INFECTIOUS DISEASE/CRISIS HIGHLIGHTS IN SARAWAK

In Epid. Week 38, 2011, Sarawak Health Department had received the first notification of UHT milk poisoning at SK Sg Pinang, Bau District which involved 15 students. Four samples of milks were sent for bacteriological analysis at Food Safety Laboratory Kuching. One of the samples was detected with total viable count (TVC) of 1.3×10^4 cfu/ml and total coliform of 2.1×10^2 cfu/ml. This indicates the possibility of microleak of the packages.

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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	Samarahan	Kampung Empila*	3	15/09/2011
2		Kuching	Kuarter, Hospital RCBM	2	20/09/2011
3			Kpg. Semenggok, 12 th Mile, Jalan Kuching Serian	2	21/09/2011
4			Lorong Stapok Selatan 2A2, Jalan Batu 4*	2	14/09/2011
5			RPR Landeh, Phase 1, 10 th Mile, Jalan Kuching Serian*	2	18/09/2011
6	Food Poisoning	Bau	SK Sungai Pinang	15	23/09/2011
7	Malaria	Marudi	Long Pakan	2 (P.v)	22/09/2011

*Late reporting to CPRC, Sarawak Health Department

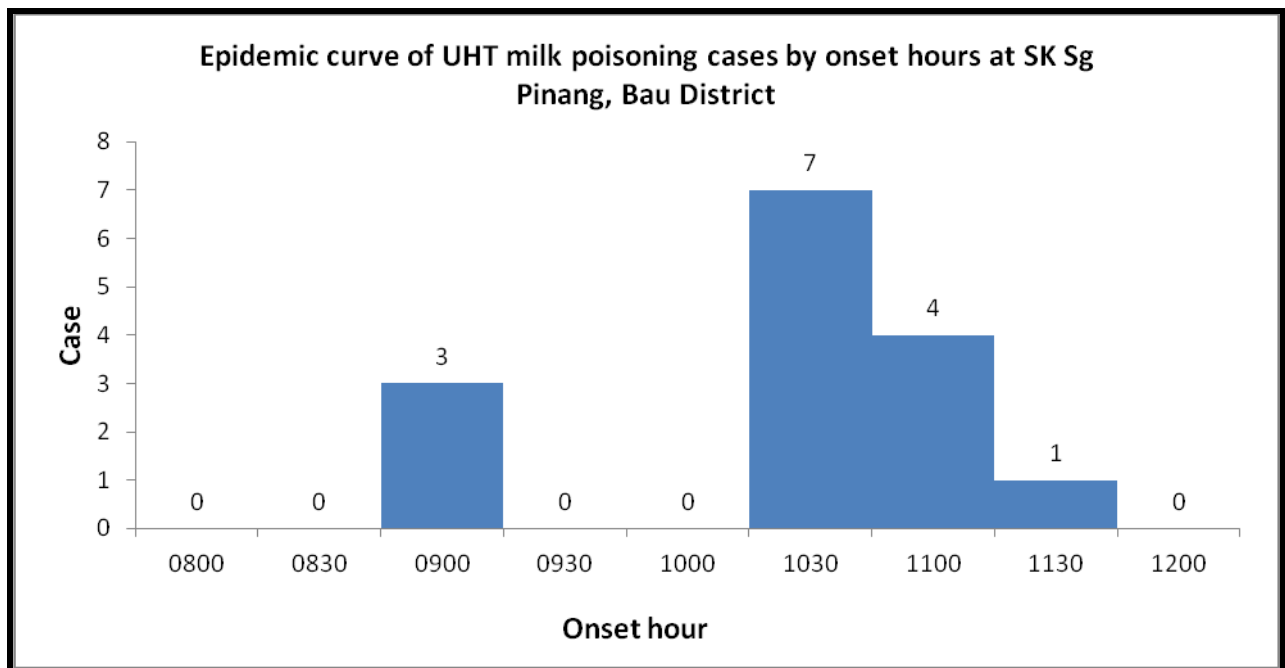
There were seven cluster/outbreaks were reported in Epid. Week 37, 2011 to Sarawak Health Department.

2.1. Preliminary report of Food Poisoning Outbreak at SK Sungai Pinang, Bau

Food poisoning outbreak due to consumption of UHT milk under *Program Susu 1Malaysia (PS1M)* involved 15 students of SK Sg Pinang, Bau was notified to Bau District Health Office on 23/9/2011 at 1:00 PM. This is the first UHT milk poisoning has been reported to Sarawak Health Department.

The total exposed persons were 126 (109 students; 12 teachers; 5 clerks) where among the 15 students, the clinical presentations were abdominal pain (100%), vomiting (80%), headache (40%), nausea (20%), and diarrhoea (13.3%). All cases were treated at OPD Bau Hospital.

The incubation periods range from 1.5 to 2.5 hours.



The UHT milk (chocolate flavoured) was consumed on 23/9/2011 started at 8:00 AM. Four samples of milks were sent for bacteriological analysis at Food Safety Laboratory Kuching. One of the samples was detected with significant amount of total viable count and total coliform that indicates the possibility of micro leaks of the packages.

The milks have two expiry dates which are on 28/9/2011 and 30/9/2011. The remaining milks were sealed. Up to now, the investigation is still on-going.

3. MANDATORY NOTIFIABLE DISEASES REPORTED IN EPID. WEEK 38, 2011

District	***HIV/AIDS	Acute Poliomyelitis	Chancroid	Cholera	Diphtheria	*Dengue/DHF	Dysentery	Ebola	Food Poisoning	***Gonorrhoea	Hand, Foot & Mouth	**Leprosy	*Malaria	Whooping Cough	Measles	Plague	Rabies	Relapsing Fever	***Syphilis	Tetanus	**Tuberculosis (All forms)	Typhoid & Paratyphoid Fever	Typhus, Scrub	Viral Hepatitis	Viral Encephalitis	Yellow Fever	Leptospirosis
Lundu											1																
Bau						2			15		2				2				1								
Kuching						2				7	31													1			
Samarahan						2					8																
Asajaya											1																
Simunjan																											
Serian																											
Sri Aman						1					2		1														
L/ Antu						1					1		2														
Betong						1							2														
Saratok											2								1								
Sarikei											1																
Meradong																											
Pakan/Julau													2														
Daro																											
Matu											1																
Dalat											1																
Mukah																											
Sibu						1				4	4		1														
Kanowit													1														
Selangau																											
Song													5														1
Kapit										2			3						1								
Belaga													4														
Tatau						1					1																
Bintulu						1					11		1														
Miri						2					2																
Marudi						2							9														
Limbang																											
Lawas																											
TOTAL (Week 38)	0/0	0	0	0	0	16	0	0	15	13	69	0	31	0	2	0	0	0	3	0	0	0	0	1	0	0	1
Total (2011)	77/58	0	0	252	0	737	9	0	1060	307	1880	10	1270	29	162	0	0	0	102	1	1332	4	0	105	9	0	82
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 Mandatory Notifiable Diseases

3.1.1. HIV/AIDS

No HIV case was reported in Epid. Week 38, 2011. The cumulative total HIV cases were 77 and all cases were adults. The cumulative total AIDS cases were 58.

3.1.2. Cholera

No case reported in Epid. Week 38, 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 38, 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

One UHT milk poisoning outbreak was reported in Epid. Week 38, 2011 at SK Sg Pinang, Bau District.

The cumulative total of food poisoning cases were 1,073 that consist of 40 outbreaks. Out of 40 outbreaks, 23(57.50%) were involved schools (12 primary; 11 secondary). SMK Sri Patiambun had three episodes of food poisoning outbreak this year.

3.1.5. Gonorrhoea

Thirteen cases were reported in Epid. Week 38, 2011. The cases were from Kuching (7), Sibü (4) and Kapit (2) districts.

Out of the cumulative total of 307 cases reported, 305 were adults and only two cases confirmed as gonococcal neonatorum.

3.1.6. Leprosy

No case reported in Epid. Week 38, 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 38, 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 38, 2011, from Bau district.

The first case was a 21 years old Bidayuh male girl from Bau and study at University Tun Abdul Razak, Kuching. This case was diagnosed at Jalan Masjid Health Clinic and notified to Kuching Divisional Health Office. Upon further investigation by Bau District Health Office, this patient stays in a rented house with 12 other students but all of his housemates did not have any fever and rash as well as his family members.

The second case is an 11 years old Bidayuh girl from SK Jagoi, Bau District. This case seen at OPD Bau, presented with fever and cough only. No other students in the school and family members had fever and rash. This case had received two doses of MMRvaccination.

Blood samples were taken for serology test from both cases but results are still pending.

The cumulative total of suspected measles cases was 162. Of these, only three cases were confirmed by positive IgM measles. 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 from the clinically confirmed case but was not sent to MKAK Sungai Buloh.

3.1.9. Syphilis

Three cases were reported in Epid. Week 38, 2011, each from Bau, Kapit and Saratok districts.

The cumulative total of syphilis cases were 102.

3.1.10. Tetanus

No case reported in Epid. Week 38, 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)

As at 24th September 2001, 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 cases reported in Epid. Week 38, 2011.

The cumulative total confirmed as 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 Hepatitis C case was reported in Epid. Week 38, 2011; the patient is an 18 years old Malay male from Matang, Kuching. This is a chronic case diagnosed and notified by Jalan Masjid Health Clinic.

The cumulative total of viral hepatitis cases were 105. Of these, 52 cases were Hepatitis B where 21 were acute and 31 were chronic. Another 53 cases were Hepatitis C where 16 cases were acute and 37 were chronic.

3.1.14. Viral Encephalitis

No case reported in Epid. Week 38, 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.

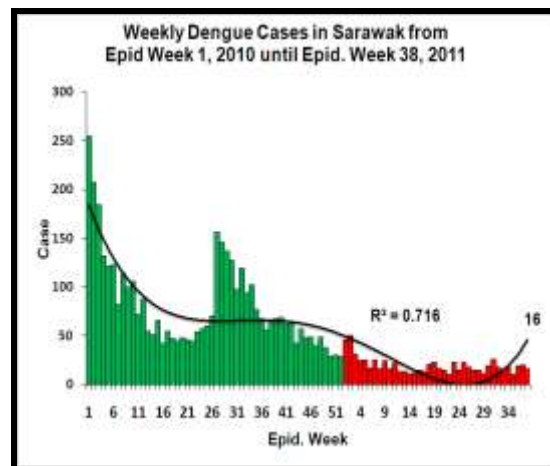
Note: Vector borne diseases and emerging and re-emerging infectious diseases will be discussed in their respective chapter.

4. VECTOR BORNE DISEASES: DENGUE, MALARIA AND CHIKUNGUNYA

4.1. Notified Dengue cases for Epid. Week 38, 2011 compared to Epid. Week 38, 2010 and cumulative cases till Epid. Week 38 in 2010.

District	2011		2010		
	EW 38	Cum.	EW 38	Cum.	Total
Lundu	0	9	1	56	69
Bau	2	23	1	104	123
Kuching	2	79	7	397	473
Samarahan	2	19	2	82	97
Asajaya	0	4	0	9	10
Serian	0	13	1	126	140
Simunjan	0	11	1	43	47
Sri Aman	1	37	5	82	96
Lubok Antu	1	20	0	40	53
Betong	1	11	1	23	30
Saratok	0	6	0	18	20
Sarikei	0	18	1	76	91
Meradong	0	11	0	48	53
Pakan	0	15	1	25	30
Julau	0	13	0	14	20
Daro	0	6	1	69	95
Matu	0	1	0	25	25
Dalat	0	2	0	9	14
Mukah	0	4	3	34	39
Sibu	1	60	17	883	1021
Kanowit	0	24	0	48	64
Selangau	0	9	0	16	32
Song	0	10	0	10	16
Kapit	0	27	1	138	158
Belaga	0	21	1	27	39
Tatau	1	32	1	26	40
Bintulu	1	87	4	199	237
Miri	2	94	14	708	816
Marudi	2	47	1	105	126
Limbang	0	18	2	105	131
Lawas	0	6	0	22	35
Sarawak	16	737	66	3567	4240

EW = Epid. Week



A total of 16 dengue cases were reported in Epid. Week 38, 2011 compared to 66 cases during the same period in 2010.

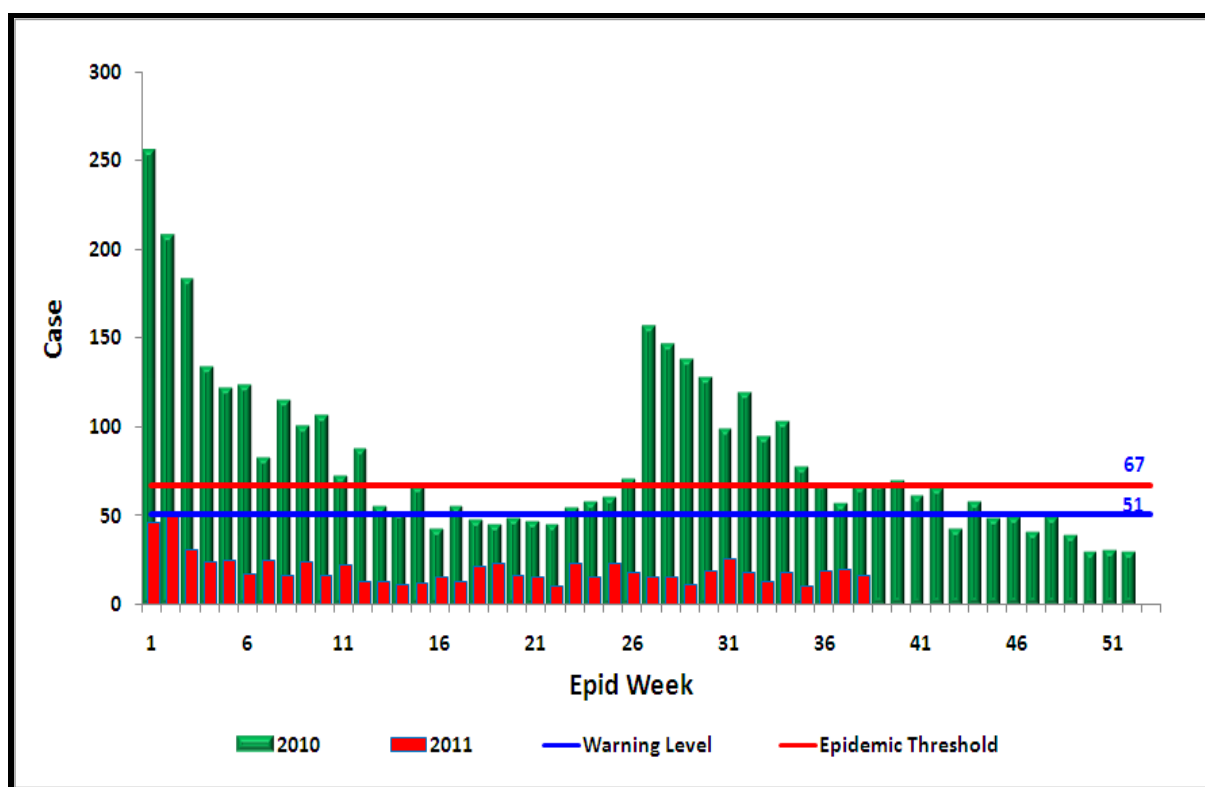
There is a decrease of 4 cases from the previous Epid. Week.

One outbreak locality in Miri and no uncontrolled outbreak is reported.

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

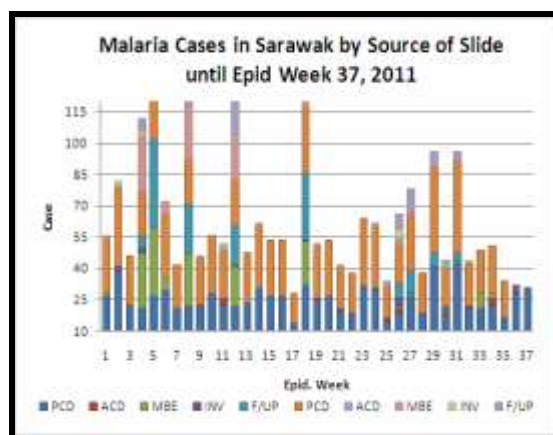
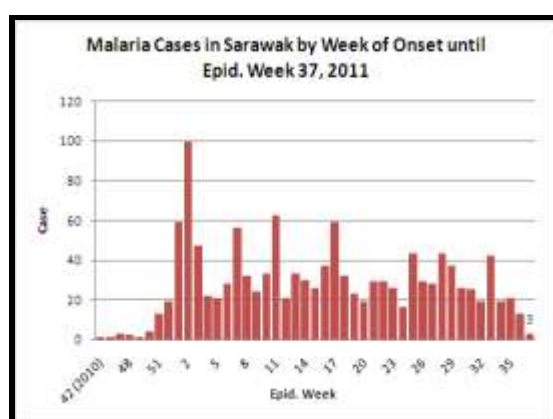
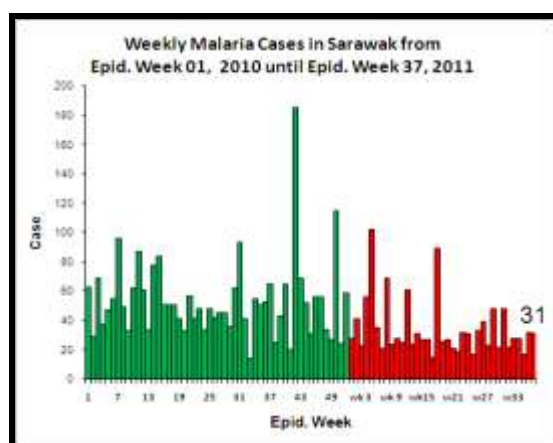
1. Bintulu
2. Miri
3. Kuching
4. Sibu
5. Marudi

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



4.2. Notified Malaria cases for Epid. Week 37, 2011 compared to Epid. Week 37, 2010 and cumulative cases till Epid. Week 37 in 2011.

District	2011		2010		Total
	EW 37	Cum.	EW 37	Cum.	
Lundu	0	29	0	64	72
Bau	0	3	0	8	9
Kuching	0	13	1	21	27
Samarahan	0	3	0	1	2
Asajaya	0	0	0	0	0
Simunjan	0	2	0	16	17
Serian	0	18	2	52	58
Sri Aman	1	13	0	17	25
Lubok Antu	2	18	1	16	16
Betong	2	33	0	8	15
Saratok	0	2	0	4	4
Sarikei	0	15	1	6	8
Meradong	0	8	0	2	3
Pakan	0	18	0	12	14
Julau	2	56	0	23	34
Daro	0	1	0	0	1
Matu	0	0	0	0	1
Dalat	0	8	1	12	14
Mukah	0	2	0	5	6
Sibu	1	34	1	30	43
Kanowit	1	58	2	49	65
Selangau	0	10	0	7	9
Song	5	54	2	34	46
Kapit	3	151	1	92	134
Belaga	4	98	2	249	300
Tatau	0	22	0	9	12
Bintulu	1	32	1	21	39
Miri	0	23	2	22	32
Marudi	9	506	48	1107	1734
Limbang	0	14	0	27	29
Lawas	0	26	0	27	33
Sarawak	31	1270	65	1941	2802



A total of 31 cases were reported on week 37, 2011. Cumulative cases till week 37 were 1270 cases. Of the 1270 cases, 506 cases (39.8%) from Marudi District, 151 cases (12%) from Kapit District and 98 cases (7.7%) 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 37	Epid. Week 1 – Epid. Week 37
Passive Case Detection (PCD)	31	937
Active Case Detection (ACD)	0	13
Investigation slides (INV)	0	13
Mass Blood Survey (MBS)	0	154
Follow-up	0	153
Total	31	1270

4.2.2. Cases by species

Species	Epid. Week 37	Epid. Week 1 – Epid. Week 37
<i>Plasmodium vivax</i>	13	718
<i>Plasmodium falciparum</i>	1	65
<i>Plasmodium malariae</i> [#]	5	255
<i>Plasmodium knowlesi</i>	11	226
<i>Plasmodium ovale</i>	0	1
Mixed infection	1	5
Total	31	1270

Notes: # May include *Plasmodium knowlesi*

4.2.3. Cases classification

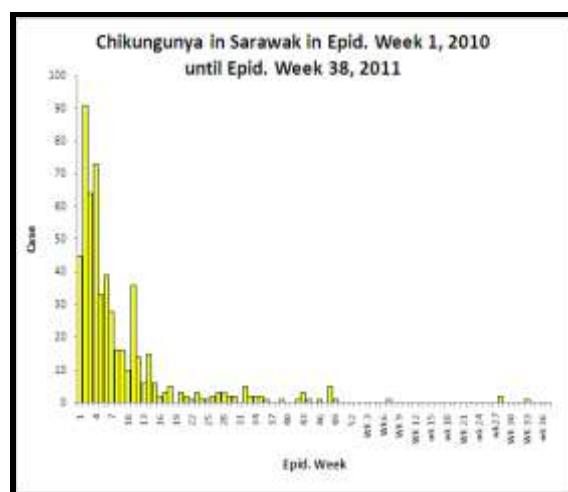
Classification	Epid. Week 37	Epid. Week 1 – Epid. Week 37
Indigenous	28	993
*Imported A	3	161
Relapsed	0	115
Congenital	0	1
Total	31	1270

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

No.	District reported	Source of infection	Nationality	Case (No.)	Species
1	Bintulu	Shintawan Camp. Papua New Guinea	Malaysian	1	<i>P. vivax</i>
2	Kapit	KKB Cer Gurgui, Pulau Raba, Papua New Guinea	Malaysian	1	<i>P. Falciparum</i>
3	Sibu	KKB Iran Jaya, Indonesia	Malaysian	1	<i>Mixed</i>

4.3. Notified Chikungunya cases for Epid. Week 38, 2011 compared to Epid. Week 38, 2010 and cumulative cases till Epid. Week 38 in 2010.

District	2011		2010		
	EW 38	Cum.	EW 38	Cum.	Total
Lundu	0	0	0	1	1
Bau	0	0	0	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	0	537	550



No cases of Chikungunya was reported in week 38, 2011. Similarly, during the same period in 2010, no case was also reported. The cumulative case of Chikungunya for 2011 remained four cases.

EW = Epid Week

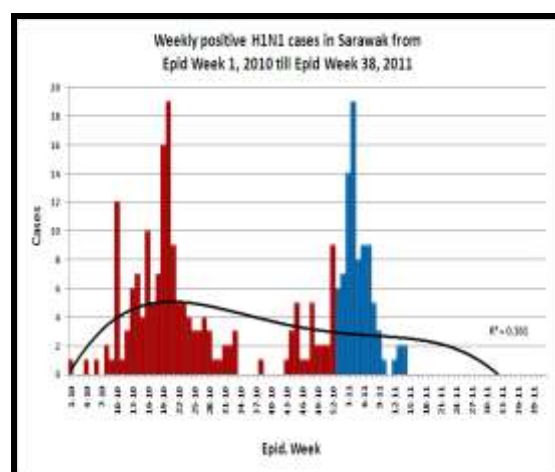
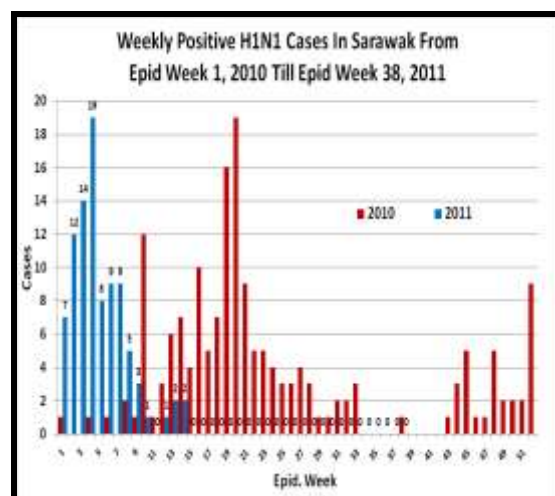
5. EMERGING/RE-EMERGING INFECTIOUS AND ZOO NOTIC DISEASES

5.1. H1N1

5.1.1 Positive Pandemic Influenza A (H1N1) cases for Epid. Week 38, 2011 compared to Epid. Week 38, 2010 and cumulative cases till Epid. Week 38 in 2011.

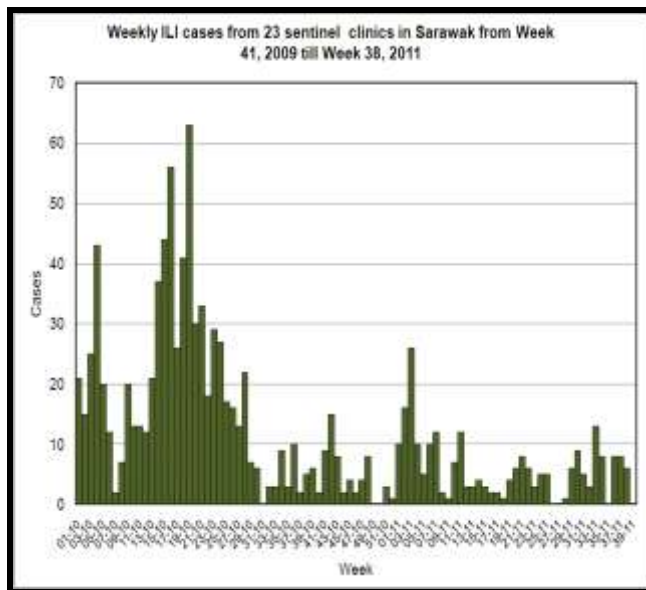
District	2011		2010		Total
	EW 38	Cum.	EW 38	Cum.	
Lundu	0	1	0	8	9
Bau	0	0	0	1	1
Kuching	0	51	0	42	61
Samarahan	0	0	0	8	8
Simunjan	0	0	0	3	4
Serian	0	0	0	2	2
Sri Aman	0	0	0	4	4
Lubok Antu	0	0	0	0	0
Betong	0	1	0	0	0
Saratok	0	0	0	0	0
Sarikei	0	0	0	2	2
Meradong	0	0	0	0	0
Julau	0	0	0	0	0
Daro	0	0	0	0	0
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	1	21	20
Lawas	0	1	0	2	2
TOTAL	0	92	1	138	161

EW = Epid. Week



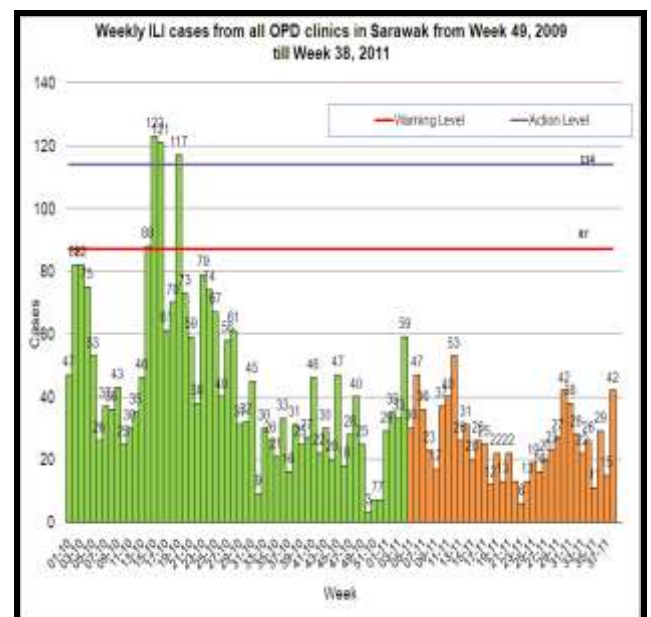
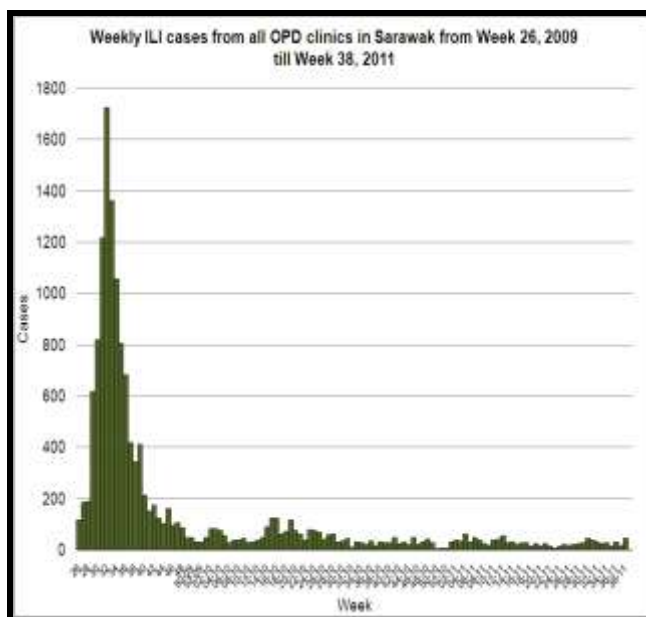
No H1N1 positive case was reported in Epid. Week 38, 2011. The cumulative total cases in 2011 were 92 cases compared to 138 cases reported during the same period in 2010.

5.1.2 Outpatient Influenza-Like Illness (ILI) Surveillance from Epid. Week 25 in 2009 till Epid. Week 38 in 2011.



In Epid. Week 38, 2011, six ILI cases were reported from the 23 Sentinel clinics and all OPD clinics. This shows 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).



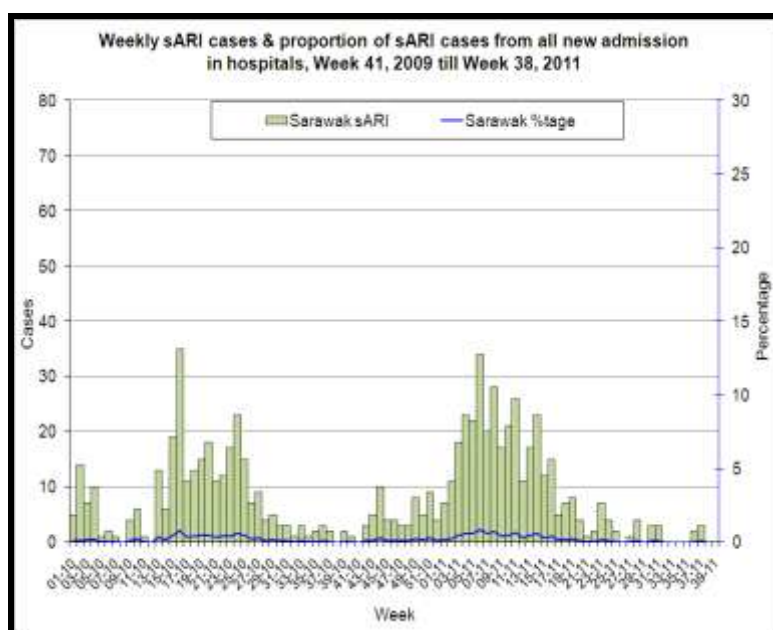
Referring to a letter dated 25 January 2011 from Office of the Deputy Director-General of Health (Public Health), Department of Public Health, Ministry of Health Malaysia about **PEMANTAUAN AKTIVITI H1N1 SECARA BERTERUSAN**, all PKB/PKD must send their daily H1N1 report as well as ILI and sARI surveillance 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 24th 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 24th September 2011.

Division	Hospital	New EW 38	Cumulative 2011	No. of Inpatient			No. of Patient on Ventilator	Throat swabs		
				ICU	ISO	Other wards		Positive	Pending	Negative
Kuching	SGH Kuching	0	162	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	249	0	0	0	0	0	0	0
Miri	Miri	0	16	0	0	0	0	0	0	0
	Marudi	0	0	0	0	0	0	0	0	0
Limbang	Limbang	0	6	0	0	0	0	0	0	0
	Lawas	0	0	0	0	0	0	0	0	0
Total		0	454	0	0	0	0	0	0	0

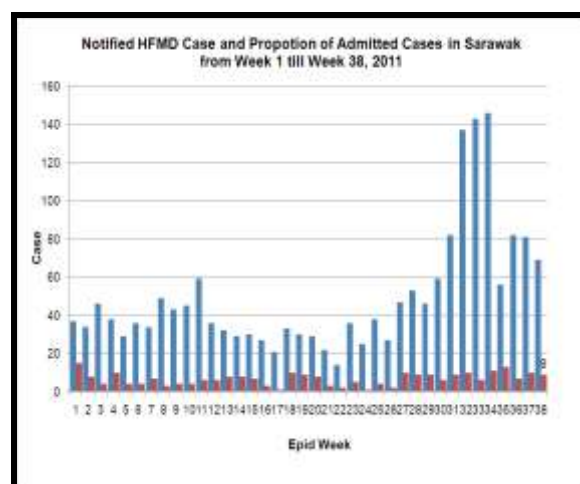
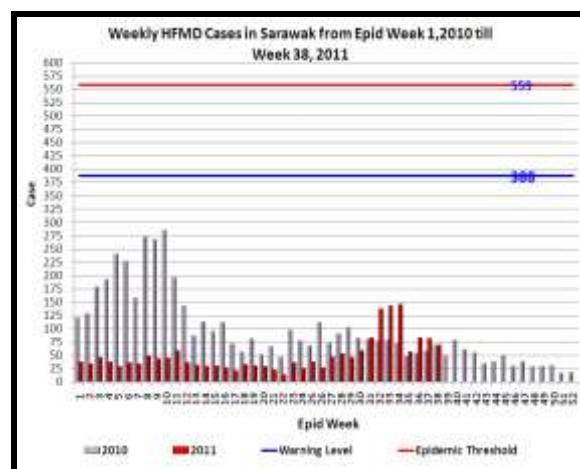
EW = Epid. Week

No sARI admission was reported in Epid. Week 38, 2011.

5.2. Notified HFMD cases for Epid. Week 38, 2011 compared to Epid. Week 38, 2010 and cumulative cases till Epid. Week 38 in 2011.

District	2011		2010		Total 2010
	EW 38	Cum.	EW 38	Cum.	
Kuching	31	327	12	890	961
Bau	2	67	1	202	209
Lundu	1	20	0	66	86
KUCHING	34	414	13	1158	1256
Samarahan	8	76	1	126	127
Asajaya	1	26	2	5	7
Simunjan	0	5	0	33	37
Serian	0	18	0	24	25
SAMARAHAN	9	125	3	188	196
Sri Aman	2	79	1	136	145
Lubok Antu	1	12	0	23	23
SRI AMAN	3	91	1	159	168
Betong	0	33	0	76	103
Saratok	2	29	0	38	38
BETONG	2	62	0	114	141
Sarikei	1	125	0	198	206
Meradong	0	63	0	53	55
Pakan	0	4	0	37	37
Julau	0	3	0	21	24
SARIKEI	1	195	0	309	322
Daro	0	0	1	24	24
Matu	1	1	0	19	20
Mukah	0	40	1	240	259
Dalat	1	17	1	106	108
MUKAH	2	58	3	389	411
Sibu	4	89	6	475	517
Selangau	0	5	0	11	17
Kanowit	0	19	0	44	44
SIBU	4	113	6	530	578
Kapit	0	50	0	104	116
Song	0	11	0	29	29
Belaga	0	6	0	10	10
KAPIT	0	67	0	143	155
Bintulu	11	532	27	504	629
Tatau	1	25	0	17	28
BINTULU	12	557	27	521	657
Miri	2	147	17	737	911
Marudi	0	40	0	92	105
MIRI	2	187	17	829	1016
Limbang	0	8	0	54	54
Lawas	0	3	0	52	56
LIMBANG	0	11	0	106	110
SARAWAK	69	1880	70	4446	5010

EW = Epid. Week

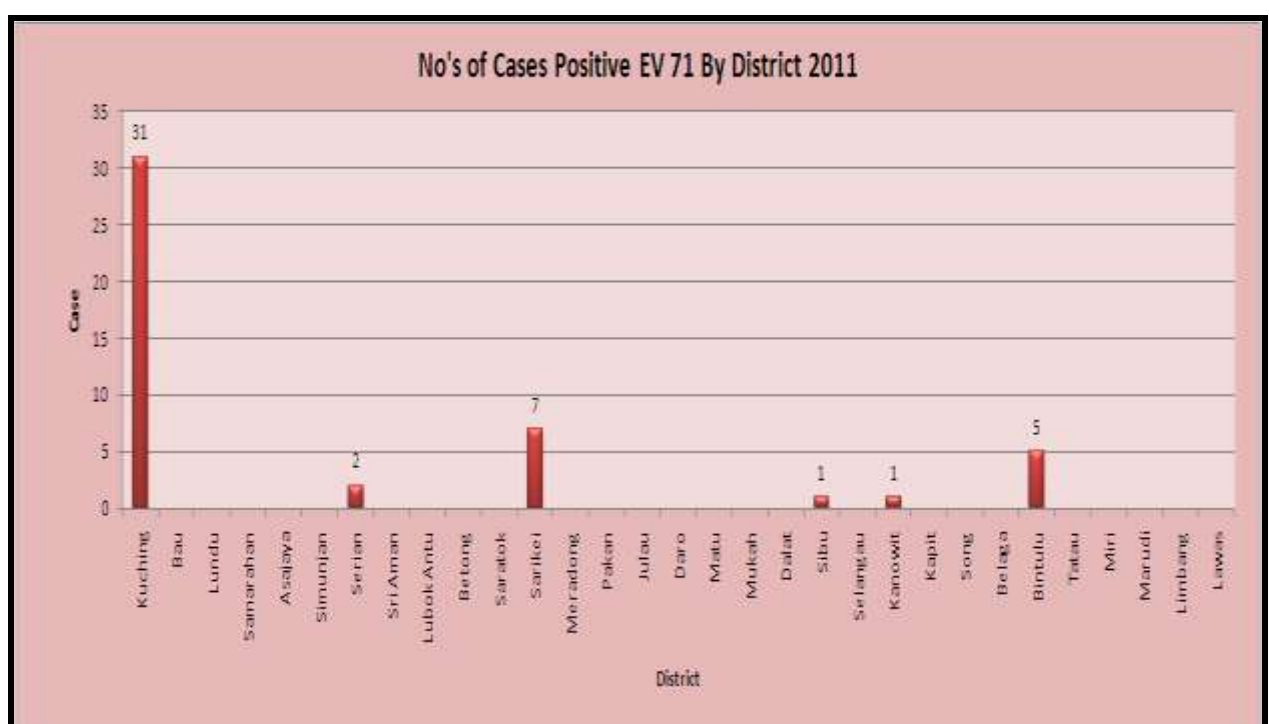
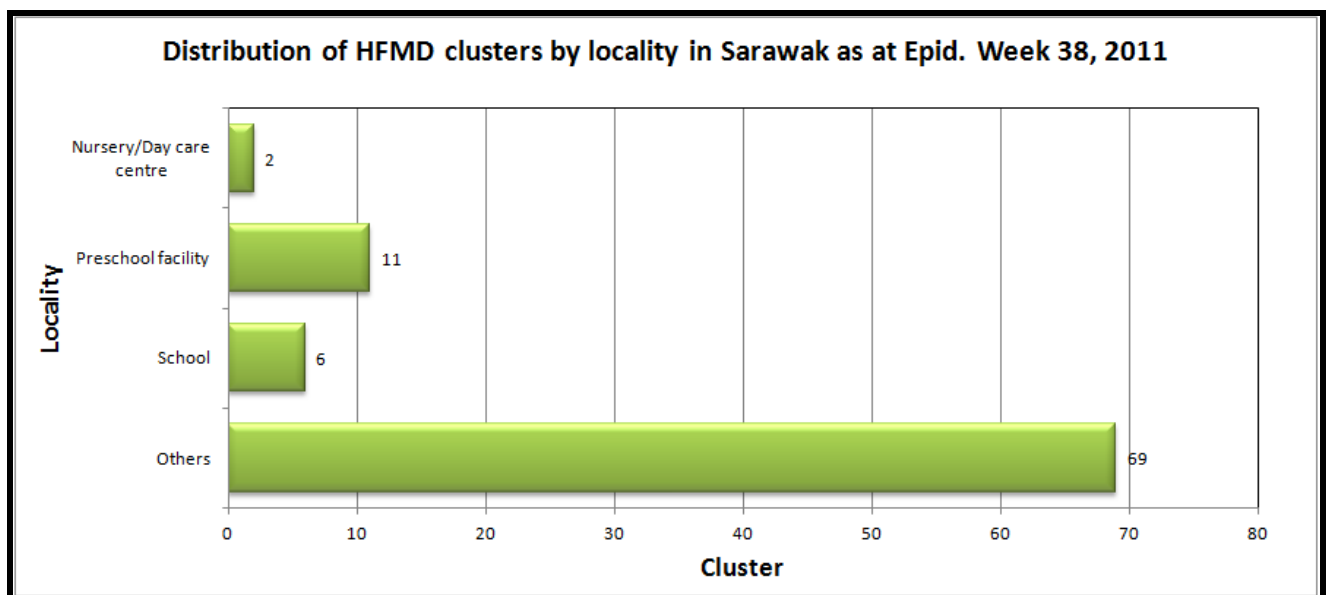


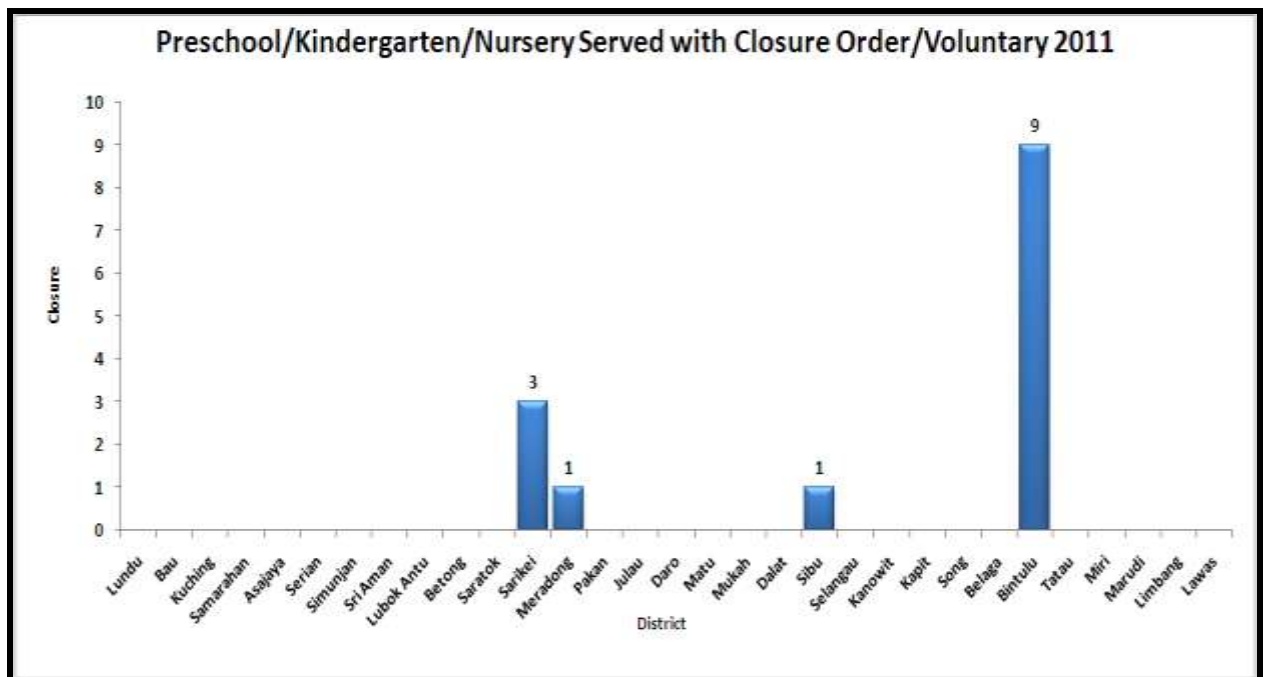
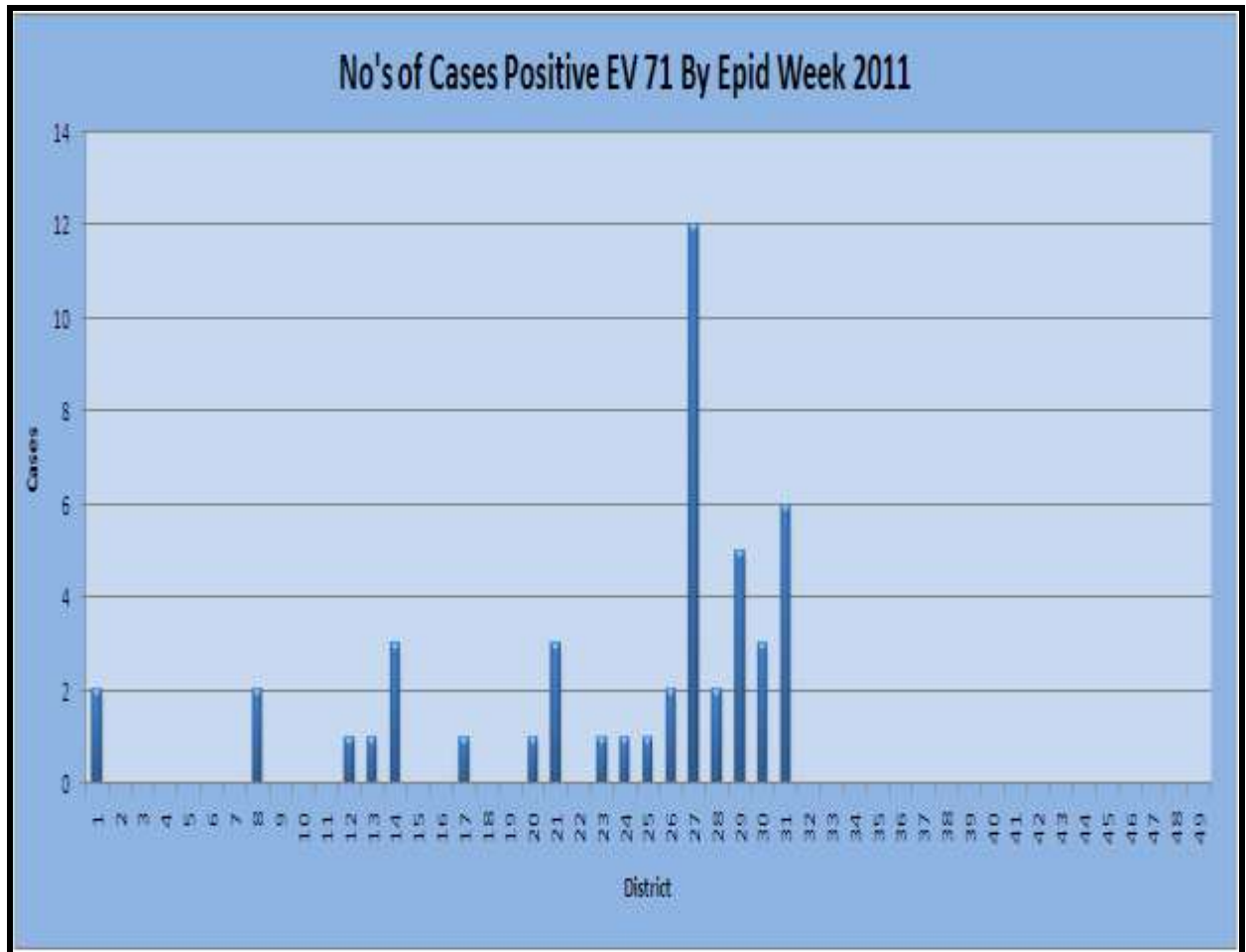
A total of 69 cases reported in Epid. Week 38, 2011. This was an increase of 14 cases from Epid. Week 37, 2011. A cumulative total of 1,880 cases reported compared to 4,446 cases during the same period in 2010.

5.2.1. Cumulative HFMD Clusters as of 24th September 2011.

Five HFMD clusters reported in Epid. Week 38, 2011 and all are involving family clusters at Kuching and Samarahan district.

As at 24th September 2011, a total of 88 clusters reported. Of these, 69 (78.4%) were family cluster, 11 (12.5%) were cluster in kindergarten, six (6.8%) were in school and two (2.2%) was in *taska* or day care centre.





5.3. Notified Leptospirosis cases for Epid. Week 38, 2011 compared to Epid. Week 38, 2010 and cumulative cases till Epid. Week 38 in 2011.

District	Case classification (positive)				Total positive leptospirosis	
	Confirmed		Probable		2011	2010
	EW 38/2011	EW 38/2010	EW 38/2011	EW 38/2010		
Bau	0	0	0	0	0	1
Lundu	0	0	0	0	0	0
Kuching	0	0	1	0	18	12
Asajaya	0	0	0	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	6	1
Lubok Antu	0	0	0	0	5	3
Betong	0	0	0	0	3	0
Saratok	0	0	0	0	2	0
Sarikei	0	0	0	0	0	1
Meradong	0	0	0	0	0	1
Pakan	0	0	0	0	1	1
Julau	0	0	0	0	0	1
Dalat	0	0	0	0	0	0
Mukah	0	0	0	0	2	1
Daro	0	0	0	0	1	1
Matu	0	0	0	0	0	0
Sibu	0	0	0	0	2	6
Kanowit	0	0	0	0	2	1
Selangau	0	0	0	0	2	0
Song	0	1	0	0	0	2
Kapit	0	0	0	0	8	1
Belaga	0	0	0	0	3	0
Tatau	0	0	0	0	0	0
Bintulu	0	0	0	0	8	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	1	3	0	84	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 38, 2011 compared to Epid. Week 38, 2010 and cumulative cases till Epid. Week 38 in 2011.

District	Blood test result				Total positive	
	Positive				2011	2010
	Culture		Serology			
	EW 38/2011	EW 38/2010	EW 38/2011	EW 38/2010		
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	0	0	2
Meradong	0	0	0	0	0	2
Pakan	0	0	0	0	0	0
Julau	0	0	0	0	0	2
Dalat	0	0	0	0	0	1
Mukah	0	0	0	0	2	3
Daro	0	0	0	0	0	0
Matu	0	0	0	0	0	0
Sibu	0	0	0	0	1	5
Kanowit	0	0	0	0	0	1
Selangau	0	0	0	0	1	6
Song	0	0	0	0	1	7
Kapit	0	0	0	2	47	162
Belaga	0	1	1	0	12	28
Tatau	1	0	0	0	3	14
Bintulu	0	0	0	0	5	49
Miri	0	0	0	0	3	35
Marudi	0	0	0	1	1	7
Limbang	0	0	0	0	0	2
Lawas	0	0	0	0	0	1
Total	1	1	1	3	90	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.

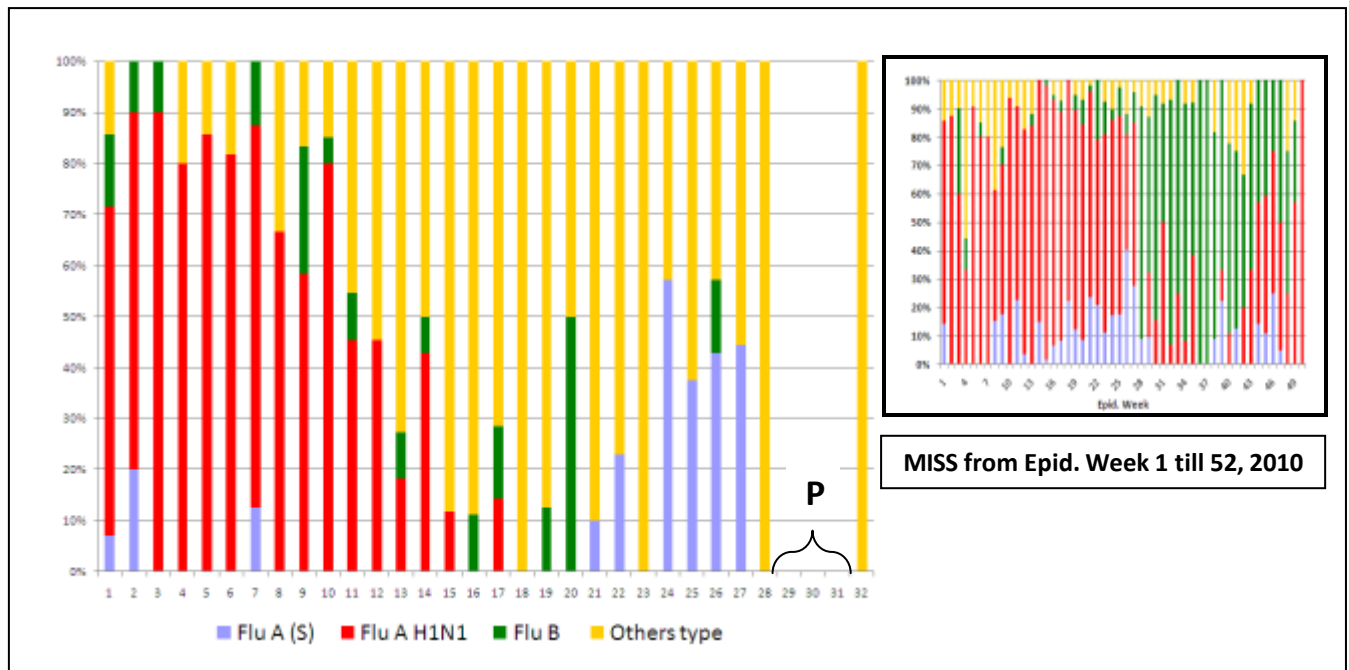
5.4.1. Locality of melioidosis outbreak in Sarawak as at 24th September 2011.

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 32, 2011 compare to Epid Week 1 till Epid Week 52, 2010 (inset)



* specimen from Sabah were analysed at MKAK Kota Kinabalu

P Results pending for confirmation type of Flu

In Malaysia, as at Epid Week 32, 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).

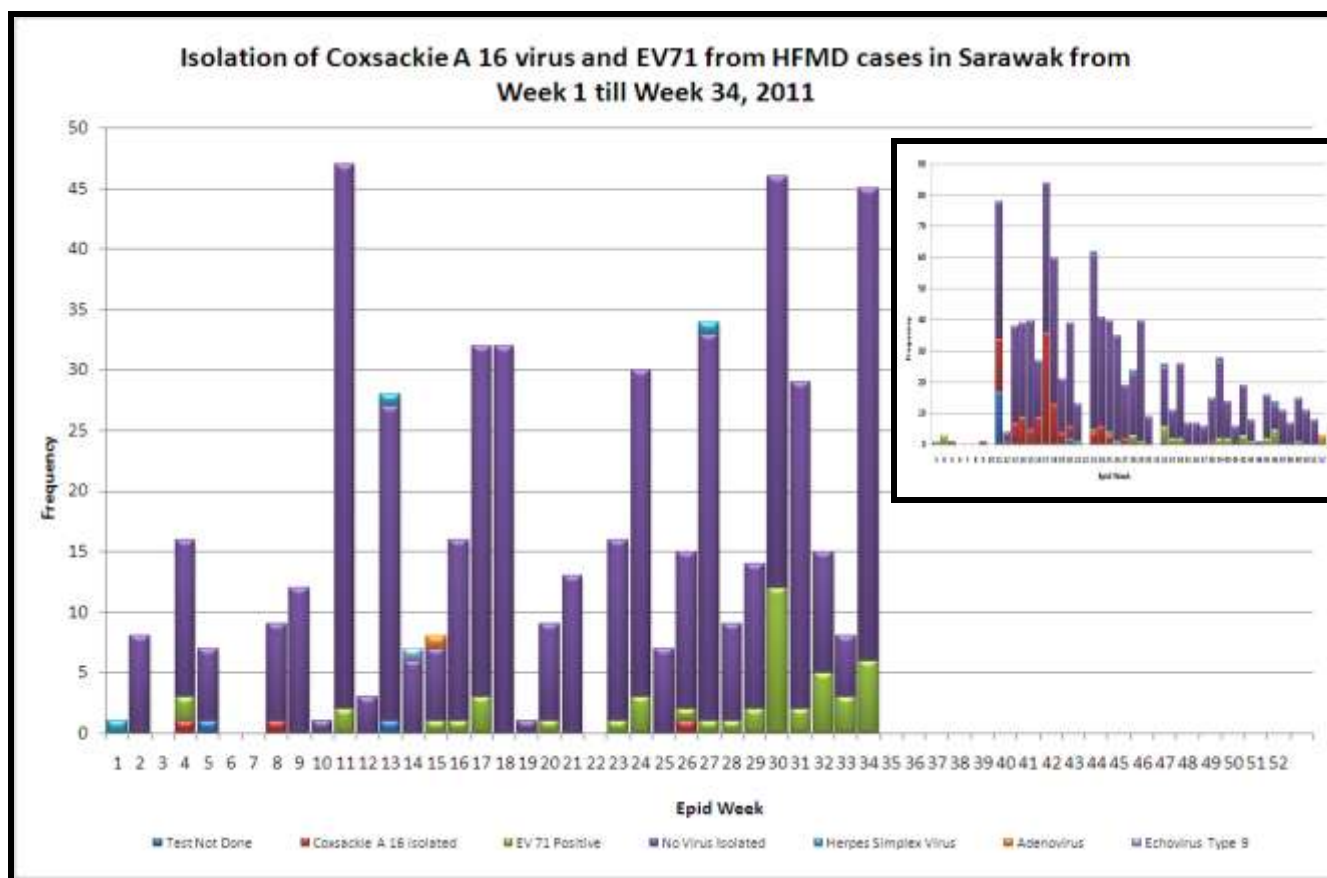
6.2. Laboratory Based Surveillance for Measles in Malaysia

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.

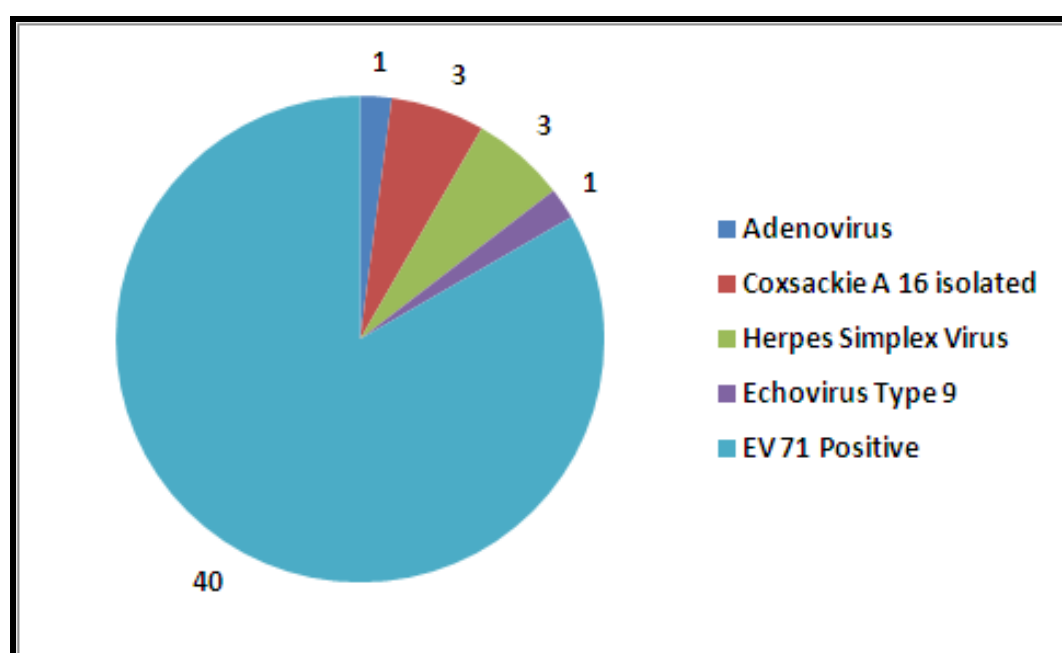
A total of 1,931 specimens for viral isolation were sent to MKAK Sg. Buloh. Of these, 158 (7.8%) specimens positive for virus isolation: measles (31); rubella (115); herpes simplex virus 1 (2); and adenovirus (4).

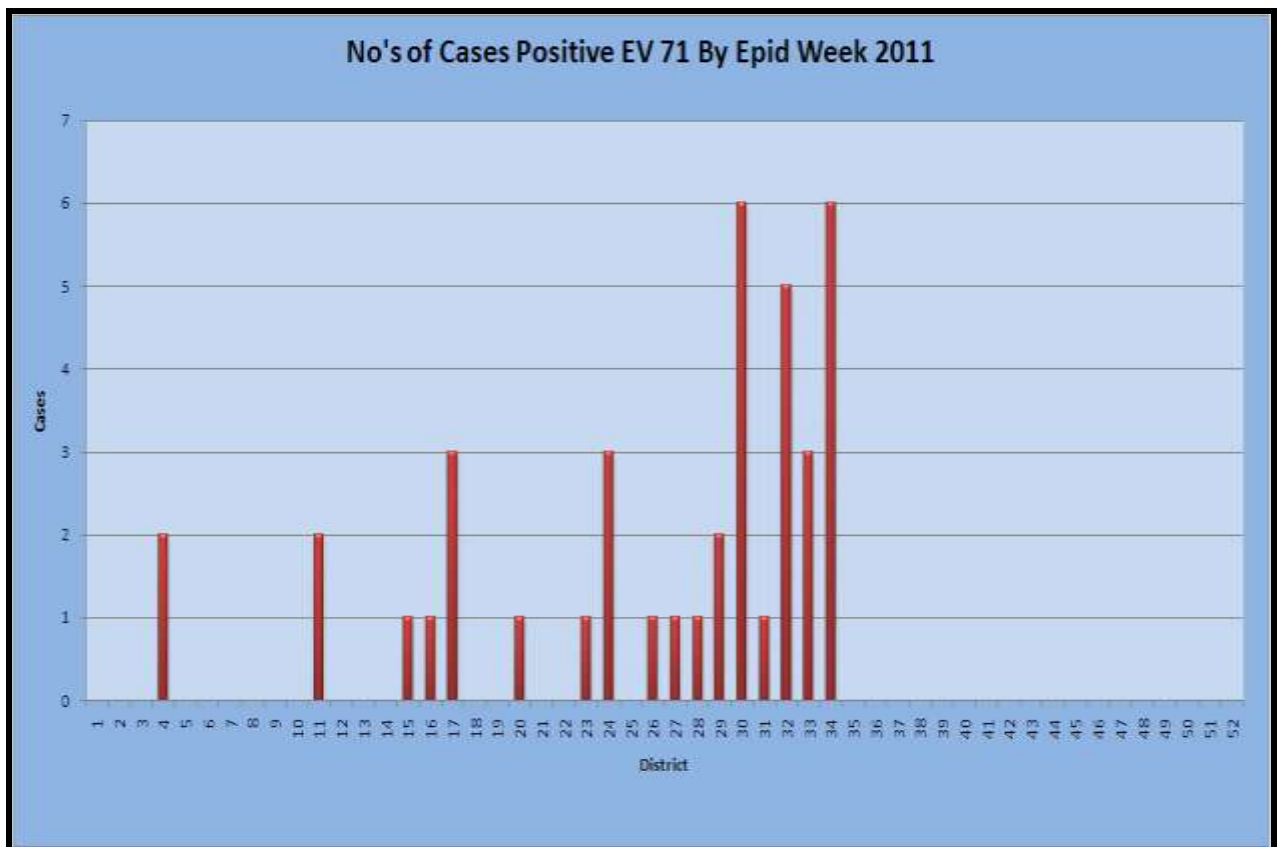
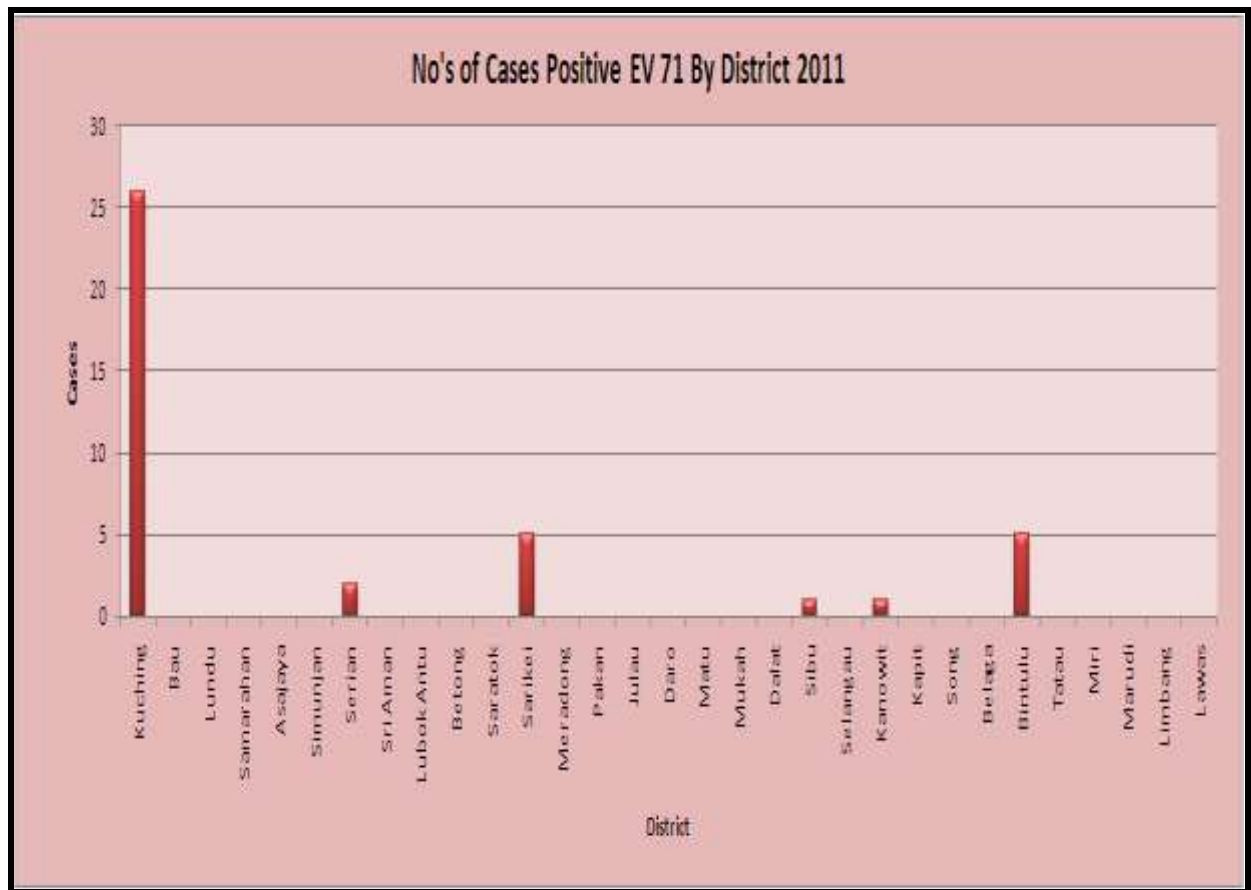
As at Epid Week 29, 2011, Sarawak had sent 136 specimens for serology test. Two specimens positive for measles IgM and 28 positive for rubella IgM. Only 12 specimens for measles viral isolation from Sarawak were sent to MKAK Sg. Buloh but so far none were positive.

6.3. Laboratory Based Surveillance for HFMD in Sarawak from Epid Week 1 till Epid Week 38, 2011 compared to 2010 (inset).



In Sarawak, as at Epid. Week 34, 2011, a total of 375 specimens were sent to MKAK Sg. Buloh for viral isolation. Of these, 48 specimens isolated viruses: EV71 (40), Coxsackie 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)

The addresses and contact numbers of the Medical Officer of Health/Divisional Health Officers in Sarawak are listed below (as at 24th September 2011):

Bil	Jawatan / Nama	Alamat	Email	No. Hp
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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.