



SARAWAK

WEEKLY EPID NEWS

Sarawak Health Department

WEEK 31

31st JULY – 6th AUGUST 2011

INFECTIOUS DISEASE/CRISIS HIGHLIGHTS IN SARAWAK

In Epid. Week 31, 2011 Sarawak Health Department received reports of three HFMD clusters from Bintulu, Sarikei, and Samarahan districts. Of these, two HFMD clusters involved kindergartens and nursery. All of the kindergartens and nursery were served for closure for at least ten days to prevent further transmission.

A report from Taiwan stated that in Epid. Week 30, 2011 Taiwan has entered the peak of enterovirus season. The third case of enterovirus infection (EV71) with severe complications was confirmed on August 2, 2011. The consultation rate for enterovirus infection continued to rise, especially in the central area of Taiwan. This year's peak enterovirus season started later than that in previous years and sporadic detections of mild cases of enterovirus 71 have been reported.

Source: <http://www.cdc.gov.tw>

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SARAWAK
State Health Department

CPRC (CRISIS PREPAREDNESS AND RESPONSE CENTRE)

Communicable Disease Control Section, Sarawak Health Department

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2. NEW OUTBREAKS/CLUSTERS

No	Disease	District	Locality	Case (No)	Outbreak declared
1	HFMD	*Sarikei	Tadika St. Francis (11 cases) & Tadika St. Clement (2 cases)	13	28.07.2011
2		Asajaya	Kpg. Rangawan Ulu, Sadong Jaya	3	03.08.2011
3		Bintulu	Tadika Tunas Gemilang, Kidurong	13	04.08.2011
4	Food poisoning	*Saratok	SMK Agama Saratok, Batu 4	60	04.08.2011

*Late reporting to CPRC, Sarawak Health Department

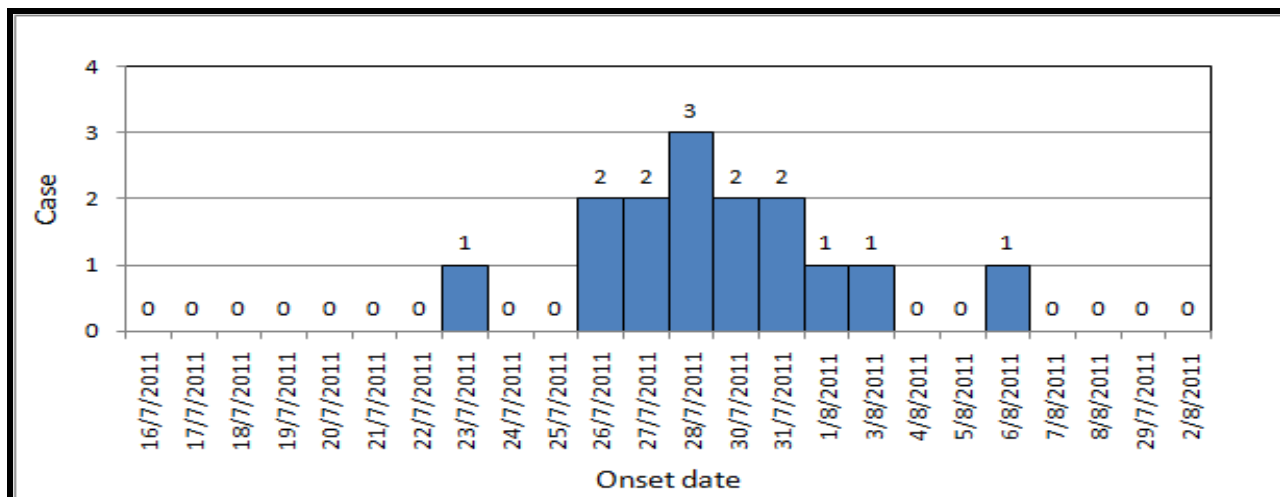
There were three HFMD clusters reported in Epid. Week 31, 2011 to Sarawak Health Department.

2.1. Preliminary report of HFMD cluster at Kindergarten St. Francis and St. Clement, Sarikei

A cluster of HFMD among preschool children was reported at Kindergarten St. Francis and St. Clement on 28th July 2011. The kindergartens are located in the same church compound. Out of 340 persons exposed, 13 children (4 & 5 years old; male: 7 & female: 6) had HFMD symptoms and giving the attack rate as 3.8%. The clinical presentations were fever (92.3%), blister / rash on the palms and soles (100.0%), and mouth ulcer (100.0%). Only one of them was admitted in Sarikei Hospital on 1st August 2011 but discharged on the same day.

From the investigation, the suspected primary case was a Chinese boy from St. Francis Kindergarten started to have HFMD symptoms on 23rd July 2011. He had attended "*Pesta Nenas*" at Central Market, Sarikei from 21st – 24th July 2011. Nevertheless, his parents did not send him to the kindergarten for two weeks because of the illness. Two of his contacts, his younger brother and a seven-year old female cousin (SRB St. Anne) also developed HFMD symptoms and treated as outpatient. Both kindergartens and nearby nursery were served for closure for at least 10 days.

Epidemic curve of HFMD cases by onset date at Kindergarten St. Francis and St. Clement, Sarikei



2.2. Preliminary report of HFMD family cluster at Kg. Rangawan Ulu, Sadong Jaya, Asajaya

A family cluster of HFMD was reported from Kg. Rangawan Ulu, Sadong Jaya on 3rd August 2011. The first (5-year old girl) and second case (one-year old brother) presented with HFMD symptoms on 1st August 2011. The first case is studying at Tadika Kemas Kg. Putih. Then, on 2nd August 2011, their one-year old female cousin had also affected with the similar symptoms. All of them were treated as outpatients.

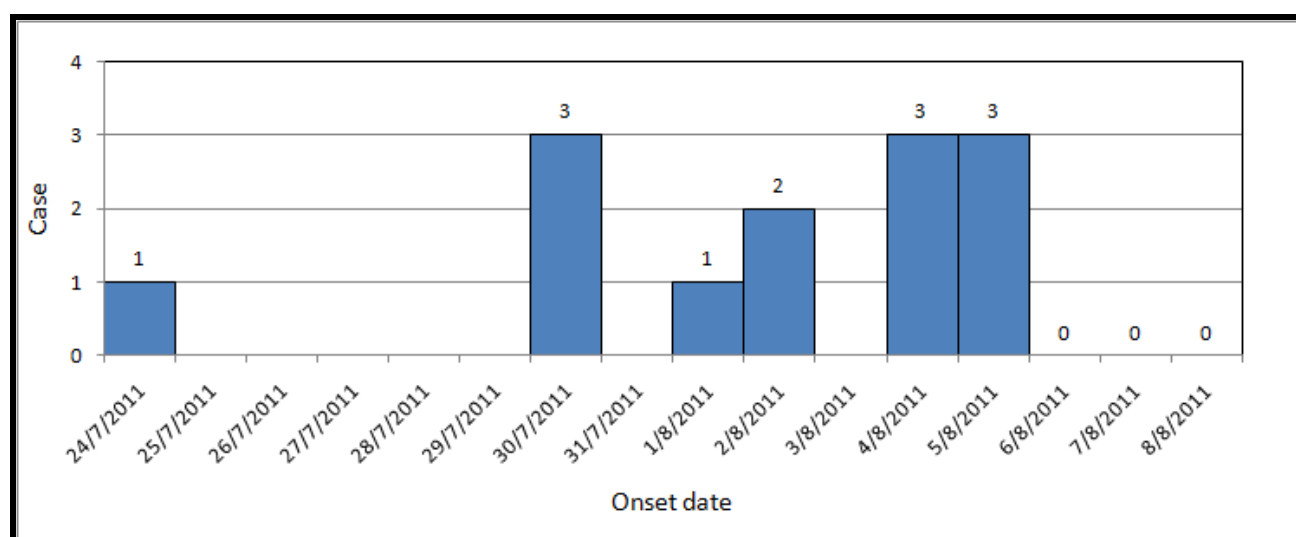
There were no other children of Tadika Kemas Kg. Putih had shown symptoms of HFMD and no closure served to the kindergarten.

2.3. Preliminary report of HFMD cluster at Tadika Tunas Gemilang, Kidurong, Bintulu

A cluster of HFMD among 5-6 years old preschool children was reported at Tadika Tunas Gemilang, Kidurong, Bintulu on 4th August 2011. Out of 142 children exposed, 13 children (male: 8 & female: 5) had HFMD symptoms and giving the attack rate as 9.2%. The clinical presentations were fever (100%), blister / rash on the palms and soles (100%), and mouth ulcer (100%). All of them were treated as outpatients.

From the investigation, the suspected primary case was a Malay boy from the same kindergarten started to have HFMD symptoms on 24th July 2011. About one week before the onset, he went on vacation in Kuala Lumpur with his parents. Despite of his illness, his parents still sent him to kindergarten. The kindergarten was served for closure for at least 10 days.

Epidemic curve of HFMD cases by onset date at Tadika Tunas Gemilang, Kidurong, Bintulu



2.3. Preliminary report of food poisoning outbreak at SMK Agama Saratok

A food poisoning outbreak was reported at SMK Agama Saratok on 4th August 2011 at 10:00 PM. Out of 570 persons exposed, 60 (male: 54 & female: 6) had food poisoning symptoms and giving the attack rate as 10.5%. The cases ages between 13 and 25 years old were presented with diarrhoea (100%), abdominal pain (100%), body weakness (100%), headache (100%), vomiting (23%), and abdominal cramp (9.6%).vomiting (63.6%), nausea (63.6%) and dizziness (54.5%). All cases were treated as outpatients.

As of 8th August 2011, the investigation team managed to interview 34 cases out of 60. Among the interviewed cases, the first onset was at 6:00 AM on 4th August 2011 and the last onset was at 7:00 AM on 5th August 2011. The suspected food was *mee jawa*. The food was prepared by a stall hawker in the school canteen since 2:00 PM on 3rd August 2011 and started to sell it at 4:00 PM on the same day. The students started to eat at around 7:00 PM (*berbuka puasa*) on 3rd August 2011. Based on the symptoms and the incubation period, this is most likely infectious food poisoning. The team are still investigating to look for source of infection

3. MANDATORY NOTIFIABLE DISEASES REPORTED IN EPID. WEEK 31, 2011

District	** HIV/AIDS	Acute Poliomyelitis	Chancroid	Cholera	Diphtheria	* Dengue/DHF	Dysentery	Ebola	Food Poisoning	*** Gonorrhoea	Hand, Foot & Mouth	** Leprosy	* Malaria	Whooping Cough	Measles	Plague	Rabies	Relapsing Fever	*** Syphilis	Tetanus	** Tuberculosis (All forms)	Typhoid & Paratyphoid Fever	Typhus, Scrub	Viral Hepatitis	Viral Encephalitis	Yellow Fever	Leptospirosis
Lundu											1									1							
Bau									1	3										4							
Kuching						5			4	1								1	28								1
Samarahan						1			1	3										4							
Asajaya										3																	
Simunjan																				2							
Serian											1	1								4							
Sri Aman						2					5									2							2
I/ Antu																				5							1
Betong												5								2							2
Saratok									60	2										3							
Sarikei						1				6										2							
Meradong										6										1							
Pakan/Julau						2				3	2									1							
Daro																				2							
Matu																											
Dalat											1																
Mukah																				6							
Sibu						1					2									14			1				
Kanowit						1														7							
Selangau						1					1									2							
Song																				2							
Kapit						1					3									2							
Belaga						1					2									6							
Tatau										1										6							
Bintulu						4				9										21							
Miri						5				3				2						22			2				
Marudi											5									10							
Limbang						1														4							
Lawas																				1							
TOTAL (Week 30)	0/0	0	0	0	0	26	0	0	60	6	47	0	22	0	2	0	0	0	1	0	164	0	0	3	0	0	6
Total (2011)	66/32	0	0	252	0	623	7	0	931	251	1118	8	1063	28	118	0	0	0	83	1	1147	4	0	66	9	0	56
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

No case of HIV reported in Epid. Week 31, 2011. The cumulative total HIV cases were 66 and all cases are adults. Out of these, 46 cases (69.7%) are male and 20 (30.3%) are female.

3.1.2. Cholera

No case reported in Epid. Week 31, 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 case reported in Epid. Week 31, 2011. The cumulative total of dysentery cases were seven but only one case was confirmed to be *E. histolytica* from Simunjan District. The others are all negative for microbiological analyses.

3.1.4. Food Poisoning

One food poisoning outbreak reported at SMK Agama Saratok in Epid. Week 31, 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

Six new cases reported in Epid. Week 31, 2011 from Kuching (4), Bau (1), and Samarahan (1) districts. Out of a total of 251 cases reported, 250 were adults and one was a gonococcal neonatorum.

3.1.6. Leprosy

No case reported in Epid. Week 31, 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 31, 2011. Seven PCR results were received from IMR and all are negative. Out of the cumulative total of 28 suspected pertussis cases, 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 new suspected measles cases were reported in Epid. Week 31, 2011. Both cases are from Miri district.

The first case is a two years old Iban boy who had received one dose of MMR vaccination, notified by Bandar Miri Health Clinic.

The second case is a five years old Iban boy notified by Tudan Health Clinic presented with fever and rashes. This child had received of MMR vaccination at one year old.

Both serology results are still pending. The cumulative total measles cases reported as at 6th August 2011 is 118 cases. Of this, only one case was positive IgM measles.

3.1.9. Syphilis

One case reported in Epid. Week 31, 2011 from Kuching district.

Out of the total of 83 syphilis cases reported, 79 (95.2%) cases were adult and four cases (4.8%) were children. More than half of the cases were male, 44 (53.0%) and 39 (47.0%) were female.

3.1.10. Tetanus

No case reported in Epid. Week 31, 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 31, 2011. The cumulative total confirmed typhoid case was three cases (two Typhoid and one Paratyphi A) which was confirmed by stool C&S test (2) and blood c/s (1).

3.1.13. Viral Hepatitis

One case of Hepatitis B and two Hepatitis C cases reported in Epid. Week 31.

The Hepatitis B case is a 24 years old Iban man from Sibu works as an army and stays in Kuantan, Pahang. This case was notified by Hospital Tengku Ampuan Afzan, Kuantan, Pahang as an acute case but no clinical presentation being specified.

The two Hepatitis C cases are a 41 years old Malay man and 44 years old Chinese man from Miri district, both notified by Hospital Miri. No clinically presentation being specified.

The cumulative total of Viral Hepatitis cases reported was 66. Of these, 38 cases were viral Hepatitis B where five were acute and 33 were chronic. Another 28 cases were Hepatitis C where nine cases were acute and 19 were chronic.

3.1.14. Viral Encephalitis

No case reported in Epid. Week 31, 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.

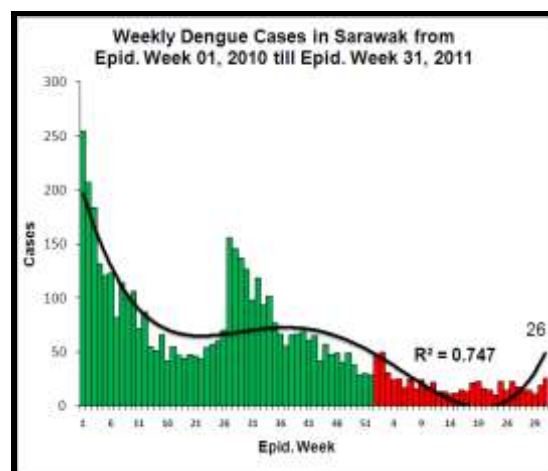
Note: Vector borne diseases and emerging and re-emerging infectious diseases will be discussed in their respective chapter.

4. VECTOR BORNE DISEASES: DENGUE, MALARIA AND CHIKUNGUNYA

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

District	2011		2010		
	EW 31	Cum.	EW 31	Cum.	Total
Lundu	0	7	2	37	69
Bau	0	18	2	84	123
Kuching	5	73	11	331	473
Samarahan	1	14	1	73	97
Asajaya	0	4	0	7	10
Serian	0	11	2	115	140
Simunjan	0	9	0	38	47
Sri Aman	2	31	2	61	96
Lubok Antu	0	15	2	28	53
Betong	0	10	0	20	30
Saratok	0	4	0	17	20
Sarikei	1	14	2	67	91
Meradong	0	10	2	46	53
Pakan	1	11	0	18	30
Julau	1	10	0	13	20
Daro	0	6	3	49	95
Matu	0	1	0	20	25
Dalat	0	2	1	8	14
Mukah	0	4	1	22	39
Sibu	1	52	25	724	1021
Kanowit	1	20	1	36	64
Selangau	1	7	2	13	32
Song	0	9	0	9	16
Kapit	1	25	3	120	158
Belaga	1	16	1	21	39
Tatau	0	27	3	23	40
Bintulu	4	81	14	161	237
Miri	5	76	11	621	816
Marudi	0	37	4	94	126
Limbang	1	14	3	88	131
Lawas	0	5	0	22	35
Sarawak	26	623	98	2986	4240

EW = Epid. Week



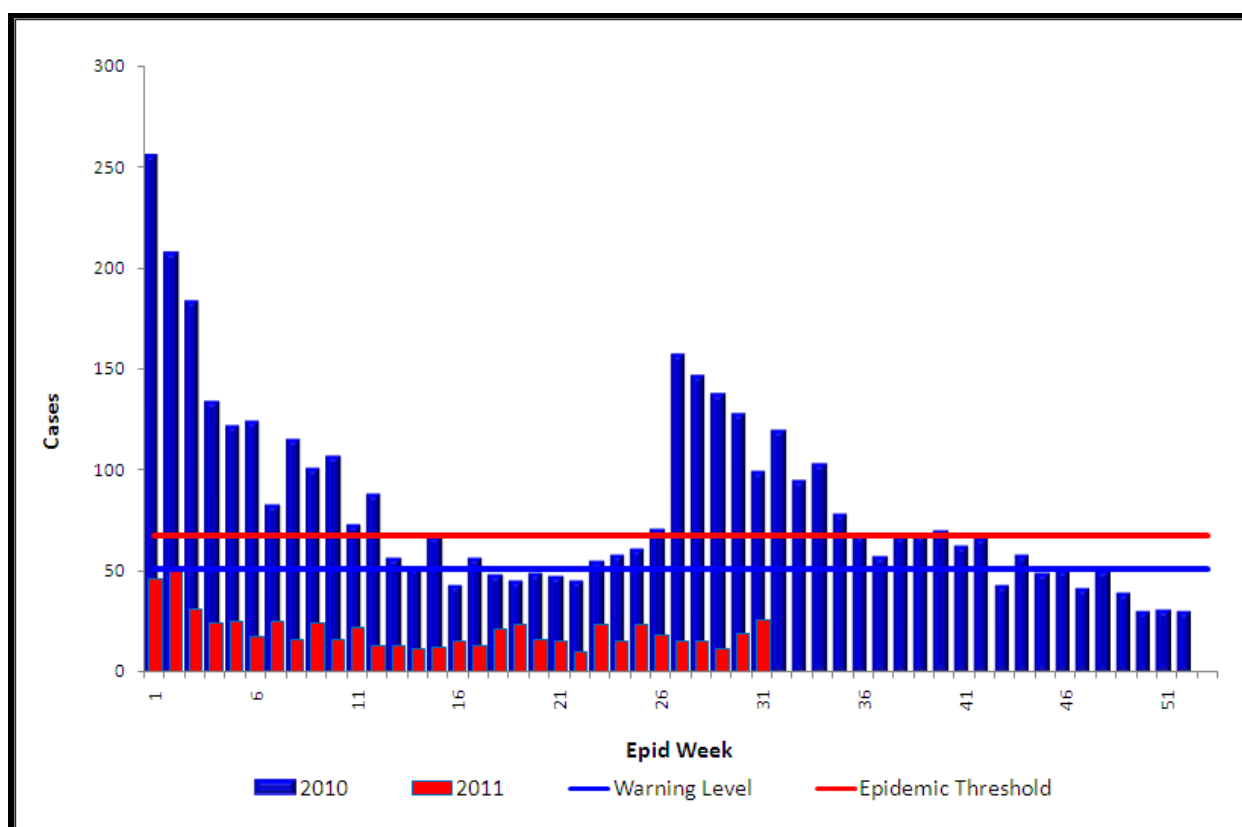
A total of 26 dengue cases were reported in Epid. Week 31, 2011 compared to 98 cases during the same period in 2010. This is an increase of seven cases from the previous Epid. Week 30, 2011.

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

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

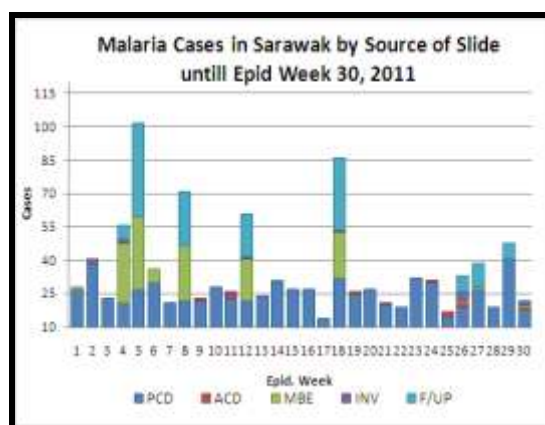
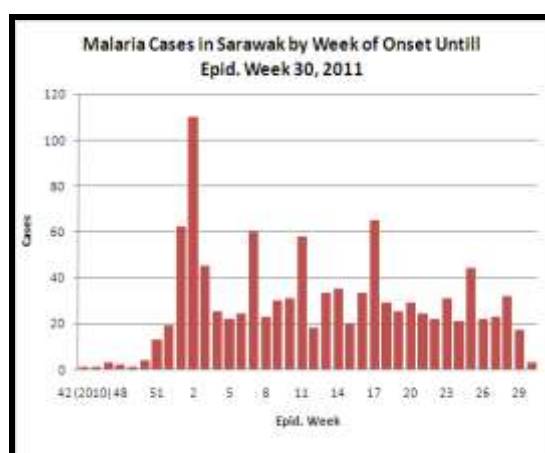
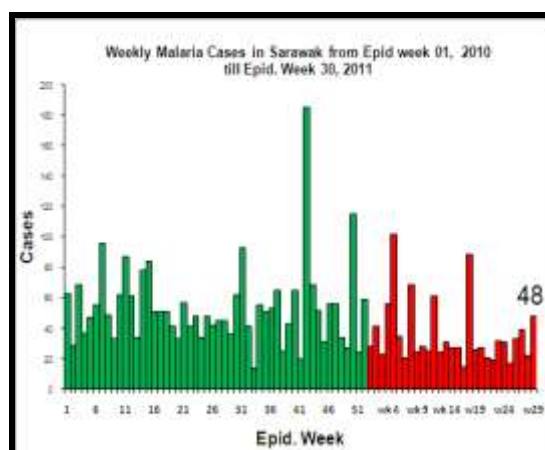
1. Bintulu
2. Miri
3. Kuching
4. Sibu
5. Marudi

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



4.2. Notified Malaria cases for Epid. Week 30, 2011 compared to Epid. Week 30, 2010 and cumulative cases till Epid. Week 30 in 2011.

District	2011		2010		Total
	EW 30	Cum.	EW 30	Cum.	
Lundu	0	22	0	61	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	0	15	17
Serian	1	16	0	46	58
Sri Aman	0	7	0	16	25
Lubok Antu	0	12	0	14	16
Betong	5	22	0	8	15
Saratok	0	1	0	3	4
Sarikei	0	14	1	4	8
Meradong	0	8	0	1	3
Pakan	1	13	1	8	14
Julau	1	41	3	21	34
Daro	0	1	0	0	1
Matu	0	0	0	0	1
Dalat	1	6	0	11	14
Mukah	0	2	0	3	6
Sibu	2	26	0	28	43
Kanowit	0	53	2	38	65
Selangau	1	7	0	5	9
Song	0	31	0	27	46
Kapit	3	123	6	69	134
Belaga	2	80	7	227	300
Tatau	0	19	0	7	12
Bintulu	0	26	0	16	39
Miri	0	19	1	14	32
Marudi	5	460	40	856	1734
Limbang	0	11	0	26	29
Lawas	0	24	1	22	33
Sarawak	22	1063	62	1569	2802



A total of 22 cases were reported in Epid. Week 30, 2011. The cumulative cases as at Epid. Week 30, 2011 were 1,063 cases. Of these 1,063 cases, 460 cases (43%) from Marudi District, 123 cases (12%) from Kapit District and 80 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 30	Epid. Week 1 – Epid. Week 30
Passive Case Detection (PCD)	18	752
Active Case Detection (ACD)	1	9
Investigation slides (INV)	1	11
Mass Blood Survey (MBS)	1	141
Follow-up	1	150
Total	22	1063

4.2.2. Cases by species

Species	Epid. Week 30	Epid. Week 1 – Epid. Week 30
<i>Plasmodium vivax</i>	9	634
<i>Plasmodium falciparum</i>	4	56
<i>Plasmodium malariae</i> [#]	2	218
<i>Plasmodium knowlesi</i>	7	157
<i>Plasmodium ovale</i>	0	0
Mixed infection	0	3
Total	22	1063

Notes: # May include *Plasmodium knowlesi*

4.2.3. Cases classification

Classification	Epid. Week 30	Epid. Week 1 – Epid. Week 30
Indigenous	16	812
*Imported A	6	131
Relapsed	0	119
Congenital	0	1
Total	22	1063

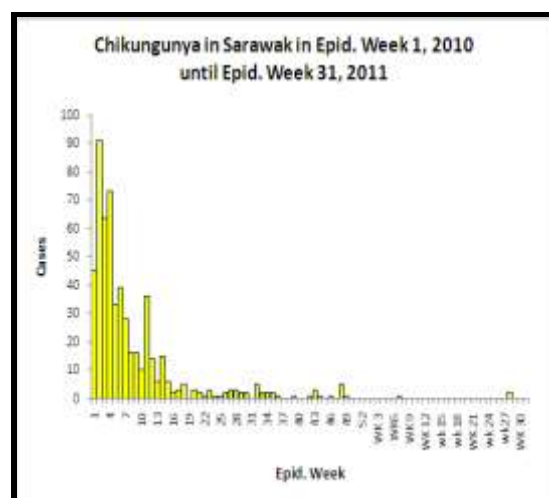
4.2.4. The source of infection of the *Imported A cases and the species involved

No.	District reported	Source of infection	Case (No.)	Species
1	Dalat	Africa	1	<i>P. falciparum</i>
2	Kapit	Africa	1	<i>P. falciparum</i>
3	Kapit	Papua New Guinea	1	<i>P. vivax</i>
4	Sibu	Africa	1	<i>P. falciparum</i>
5	Sibu	Papua New Guinea	1	<i>P. vivax</i>
6	Selangau	Papua New Guinea	1	<i>P. vivax</i>

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

District	2011		2010		
	EW 31	Cum.	EW 31	Cum.	Total
Lundu	0	0	0	1	1
Bau	0	0	0	9	13
Kuching	0	1	0	70	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	0	9	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	0	525	550

EW = Epid Week



No case of Chikungunya was reported in Epid. Week 31, 2011. During the same period in 2010, no case was also reported. The cumulative case of Chikungunya for 2011 is remained as three.

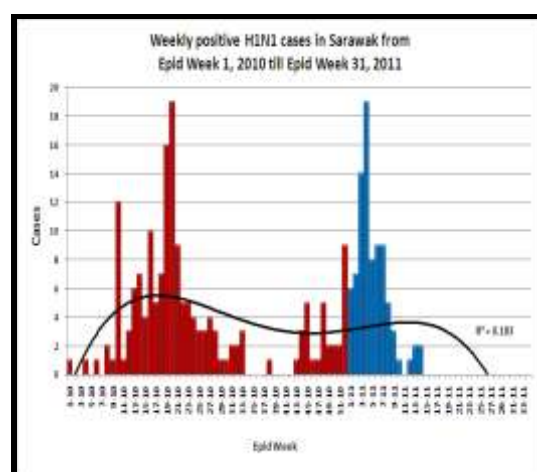
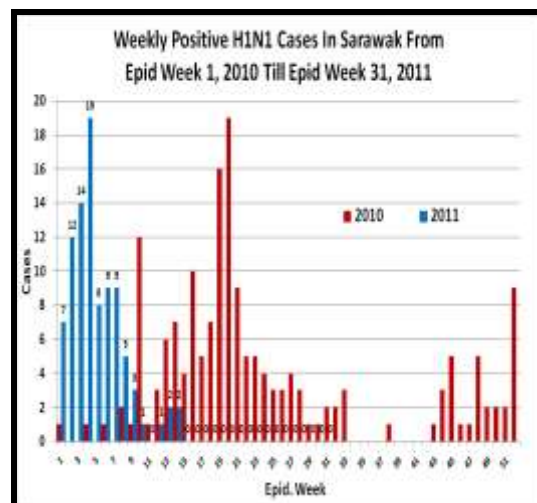
5. EMERGING/RE-EMERGING INFECTIOUS AND ZOO NOTIC DISEASES

5.1. H1N1

5.1.1 Positive Pandemic Influenza A (H1N1) cases for Epid. Week 31, 2011 compared to Epid. Week 31, 2010 and cumulative cases till Epid. Week 31 in 2011.

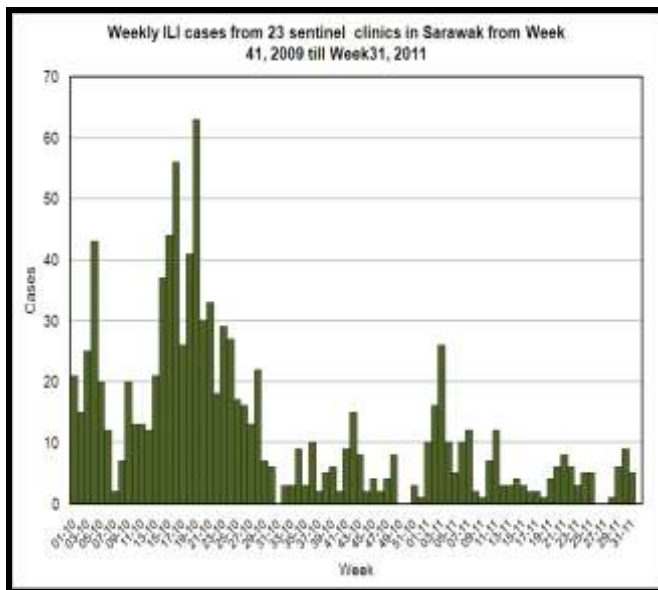
District	2011		2010		Total
	EW 31	Cum.	EW 31	Cum.	
Lundu	0	1	0	8	9
Bau	0	0	0	0	1
Kuching	0	51	0	41	61
Samarahan	0	0	1	6	8
Simunjan	0	0	0	3	4
Serian	0	0	0	2	2
Sri Aman	0	0	0	4	4
Lubok Antu	0	0	0	0	0
Betong	0	1	0	0	0
Saratok	0	0	0	0	0
Sarikei	0	0	0	2	2
Meradong	0	0	0	0	0
Julau	0	0	0	0	0
Daro	0	0	0	0	0
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	1	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	132	161

EW = Epid. Week



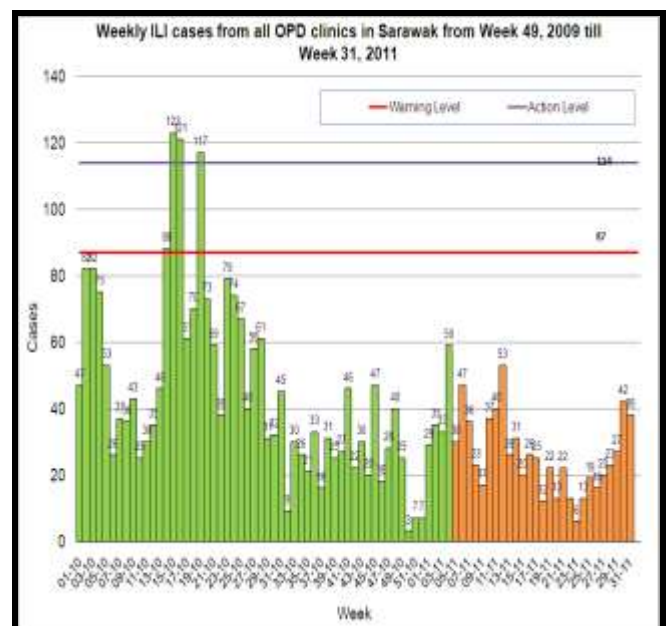
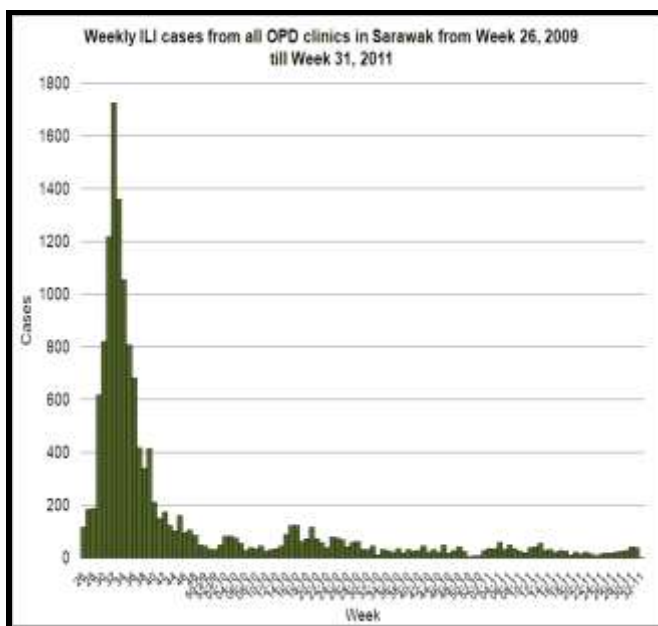
No H1N1 positive case was reported in Epid. Week 31, 2011. The cumulative total cases in 2011 were 92 cases compared to 132 cases reported during the same period in 2010.

5.1.2 Outpatient Influenza-Like Illness (ILI) Surveillance from Epid. Week 25 in 2009 till Epid. Week 31 in 2011.



In Epid. Week 31, 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).



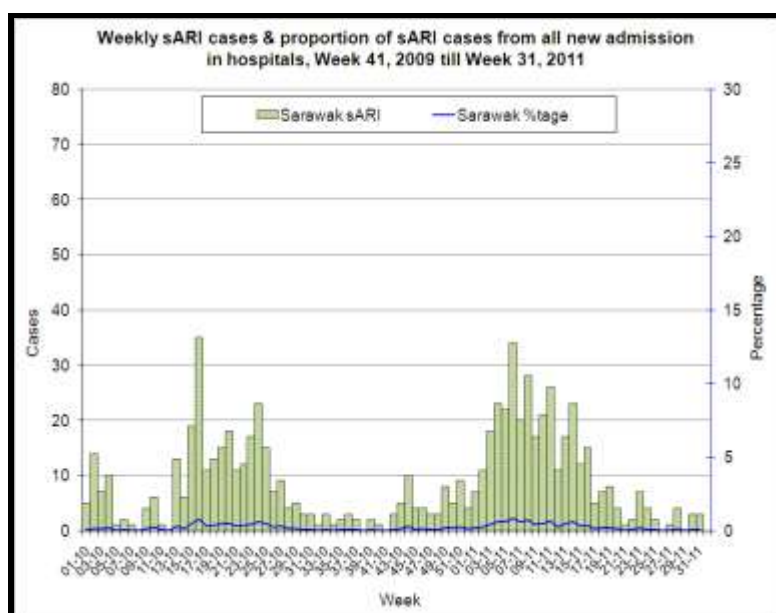
Referring to a letter dated 25 January 2011 from Office of the Deputy Director-General of Health (Public Health), Department of Public Health, Ministry of Health Malaysia about **PEMANTAUAN AKTIVITI H1N1 SECARA BERTERUSAN**, all PKB/PKD must send their daily H1N1 report as well as ILI and sARI surveillance 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 6th 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 6th August 2011.

Division	Hospital	New EW 30	Cumulative 2011	No. of Inpatient			No. of Patient on Ventilator	Throat swabs		
				ICU	ISO	Other wards		Positive	Pending	Negative
Kuching	SGH Kuching	5	161	0	0	5	0	0	0	5
	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		5	452	0	0	5	0	0	0	5

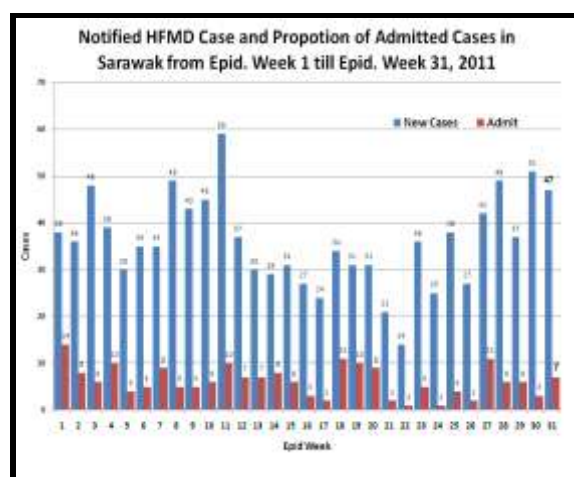
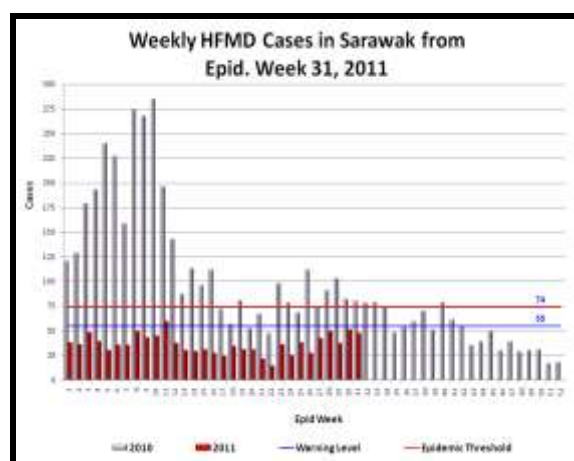
EW = Epid. Week

Five sARI admissions were reported in Epid. Week 31, 2011: SGH Kuching (5). None of the patients was in severe or critical condition. All five cases were negative for H1N1.

5.2. Notified HFMD 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 2010
	WK 31	Cum.	WK 31	Cum.	
Kuching	1	188	20	825	961
Bau	3	25	0	187	209
Lundu	1	13	5	60	86
KUCHING	5	226	25	1072	1256
Samarahan	3	43	3	119	127
Asajaya	3	22	0	3	7
Simunjan	0	2	3	24	37
Serian	1	6	0	24	25
SAMARAHAN	7	73	6	170	196
Sri Aman	5	43	4	123	145
Lubok Antu	0	7	1	18	23
SRI AMAN	5	50	5	141	168
Betong	0	29	2	62	103
Saratok	2	25	0	38	38
BETONG	2	54	2	100	141
Sarikei	6	81	8	192	206
Meradong	6	28	1	45	55
Pakan	1	5	0	35	37
Julau	2	18	0	20	24
SARIKEI	15	132	9	292	322
Daro	0	0	1	23	24
Matu	0	0	3	19	20
Mukah	0	35	1	211	259
Dalat	0	16	1	99	108
MUKAH	0	51	6	352	411
Sibu	0	58	5	419	517
Selangau	0	4	0	7	17
Kanowit	0	17	0	44	44
SIBU	0	79	5	470	578
Kapit	0	49	1	102	116
Song	0	10	0	23	29
Belaga	0	5	1	9	10
KAPIT	0	64	2	134	155
Bintulu	9	213	4	416	629
Tatau	1	17	1	13	28
BINTULU	10	230	5	429	657
Miri	3	111	14	642	911
Marudi	0	39	0	84	105
MIRI	3	150	14	726	1016
Limbang	0	8	0	54	54
Lawas	0	1	1	44	56
LIMBANG	0	9	1	98	110
SARAWAK	47	1118	80	3984	5010

EW = Epid. Week

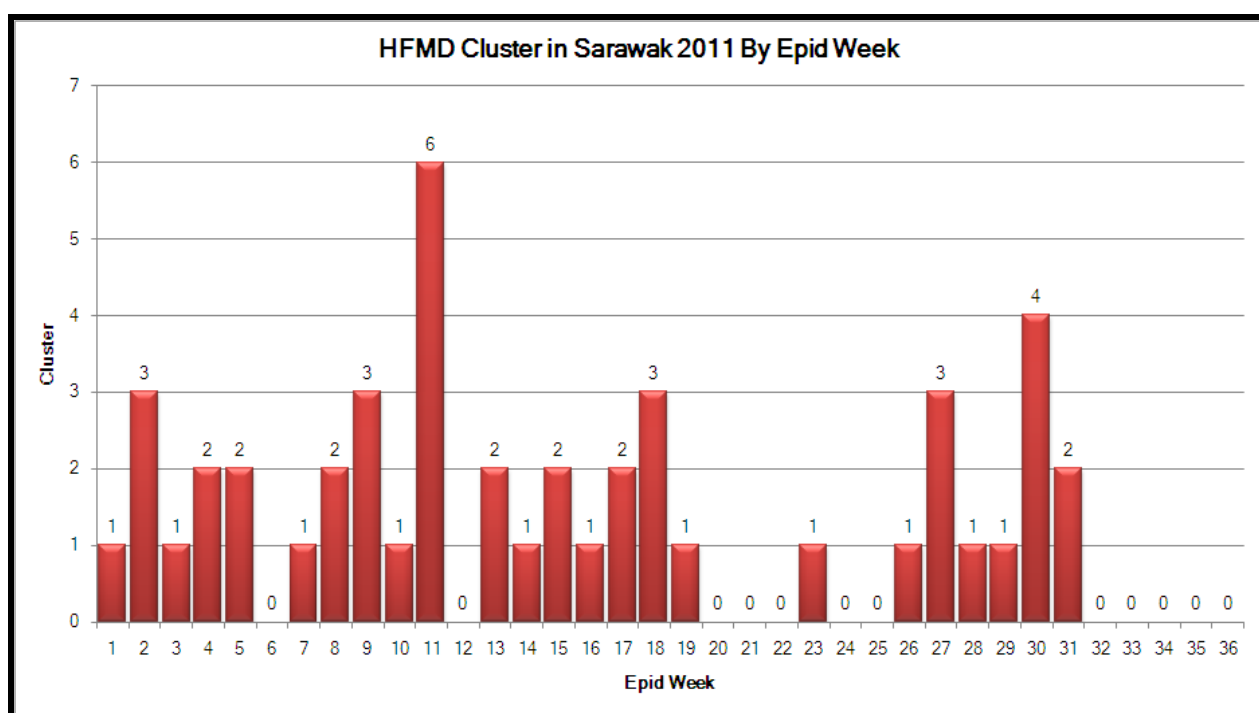
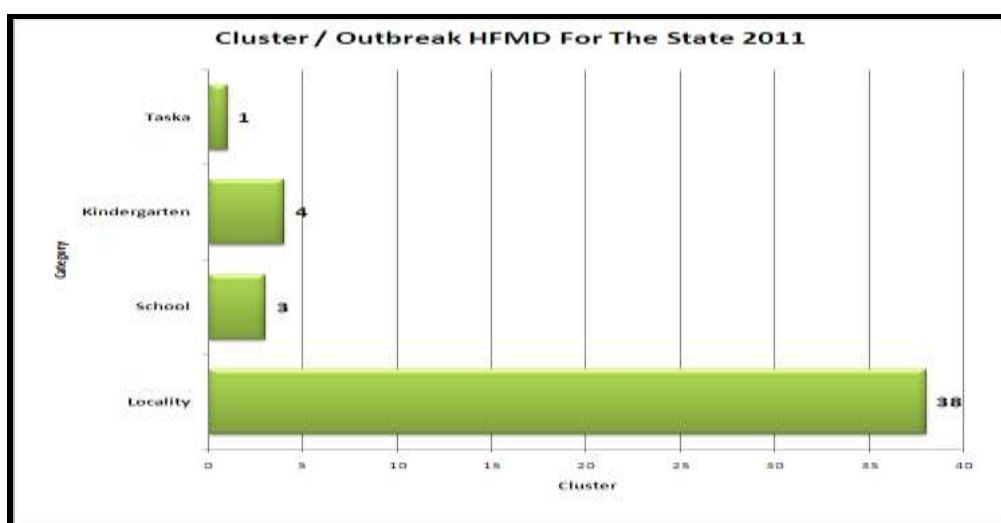


A total of 47 cases were reported in Epid. Week 31, 2011. This was an increase of eight cases from Epid. Week 30, 2011. A cumulative total of 1,118 cases were reported compared to 3,984 cases during the same period in 2010.

5.2.1. Cumulative HFMD Clusters as of 6th August 2011.

Three HFMD cluster was reported in Epid. Week 31, 2011 involved kindergartens (Bintulu and Sarikei districts) and one family cluster at Kampung Rangawan Ulu, Sadong Jaya.

As at 6th August 2011, a total of 46 clusters were reported. Of these, 38 (82.61%) were family cluster, four (8.69%) were cluster in kindergarten, three (6.52%) were in school and one (2.17%) was in Taska.



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

District	Case classification (positive)				Total positive leptospirosis	
	Confirmed		Probable		2011	2010
	EW 31/2011	EW 31/2010	EW 31/2011	EW 31/2010		
Lundu	0	0	0	0	0	0
Bau	0	0	0	0	0	1
Kuching	0	0	1	0	8	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	2	0	6	1
Lubok Antu	0	0	1	0	5	3
Betong	0	0	2	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	0	0	0	0	0	1
Dalat	0	0	0	0	0	0
Mukah	0	0	0	0	2	1
Sibu	0	1	0	0	1	6
Kanowit	0	0	0	1	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	1	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	6	2	56	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 31, 2011 compared to Epid. Week 31, 2010 and cumulative cases till Epid. Week 31 in 2011.

District	Blood test result				Total positive	
	Positive				2011	2010
	Culture		Serology			
	EW 31/2011	EW 31/2010	EW 31/2011	EW 31/2010		
Bau	0	0	0	0	0	0
Kuching	0	0	0	0	1	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	0	0	2
Dalat	0	0	0	0	0	1
Mukah	0	0	0	0	0	3
Sibu	0	0	1	0	1	5
Kanowit	0	0	0	0	0	1
Selangau	0	1	0	0	1	6
Song	0	0	1	0	1	7
Kapit	2	0	23	4	39	162
Belaga	1	0	1	0	14	28
Tatau	0	0	0	0	2	14
Bintulu	0	0	0	4	1	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	3	1	26	9	63	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

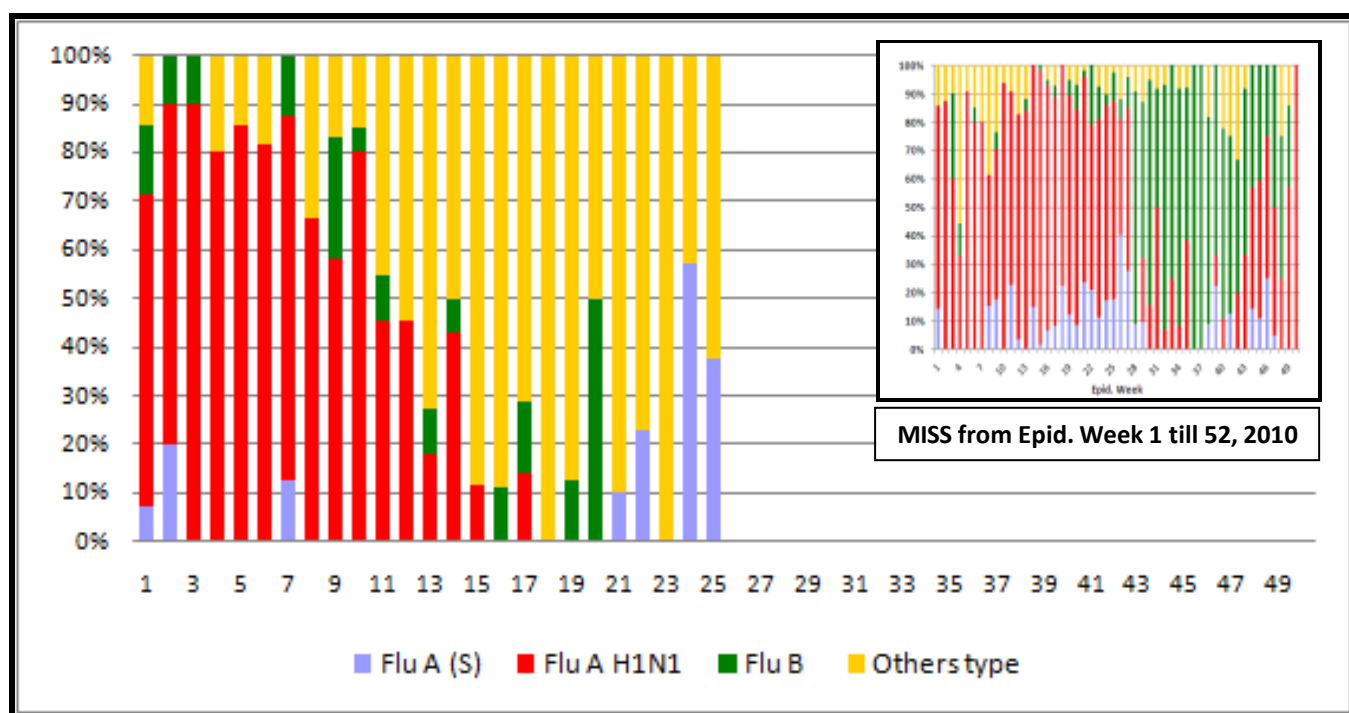
5.4.1. Locality of melioidosis outbreak in Sarawak as at 6th August 2011.

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).

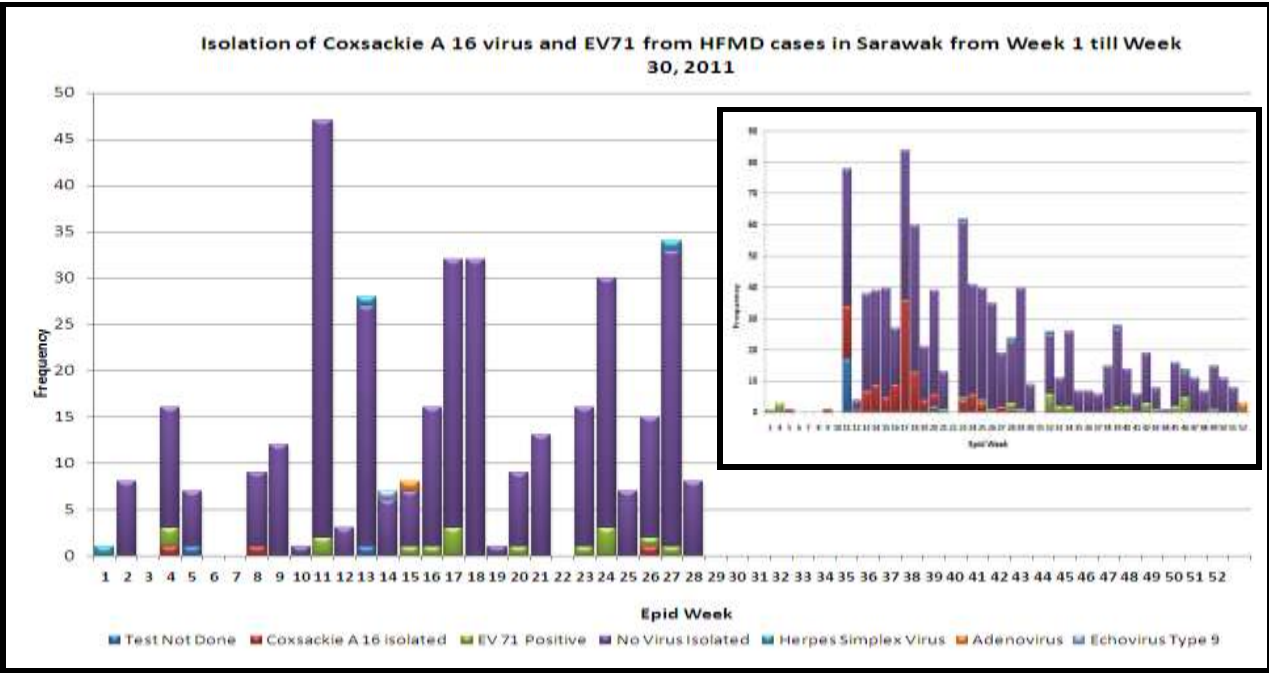
6.2. Laboratory Based Surveillance for Measles in Malaysia

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).

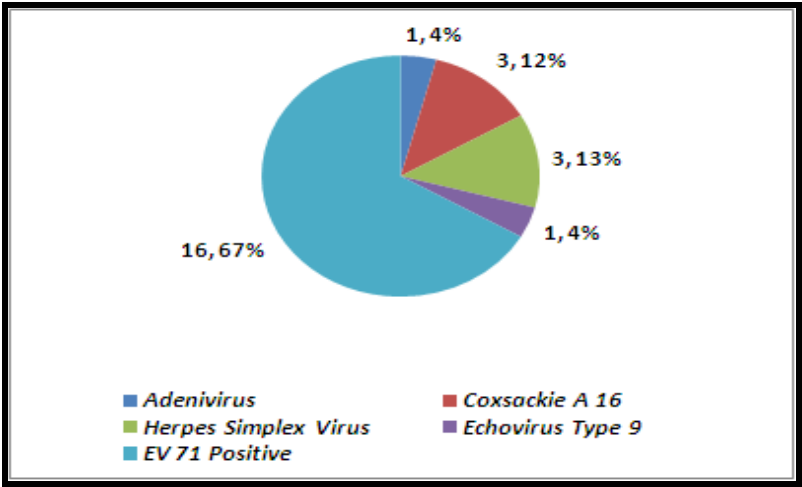
As at Epid Week 29, 2011, Sarawak had sent 136 specimens for serology test. Two specimens positive for measles IgM and 28 positive for rubella IgM. Only 12 specimens for measles viral isolation from Sarawak were sent to MKAK Sg. Buloh but so far none were positive.

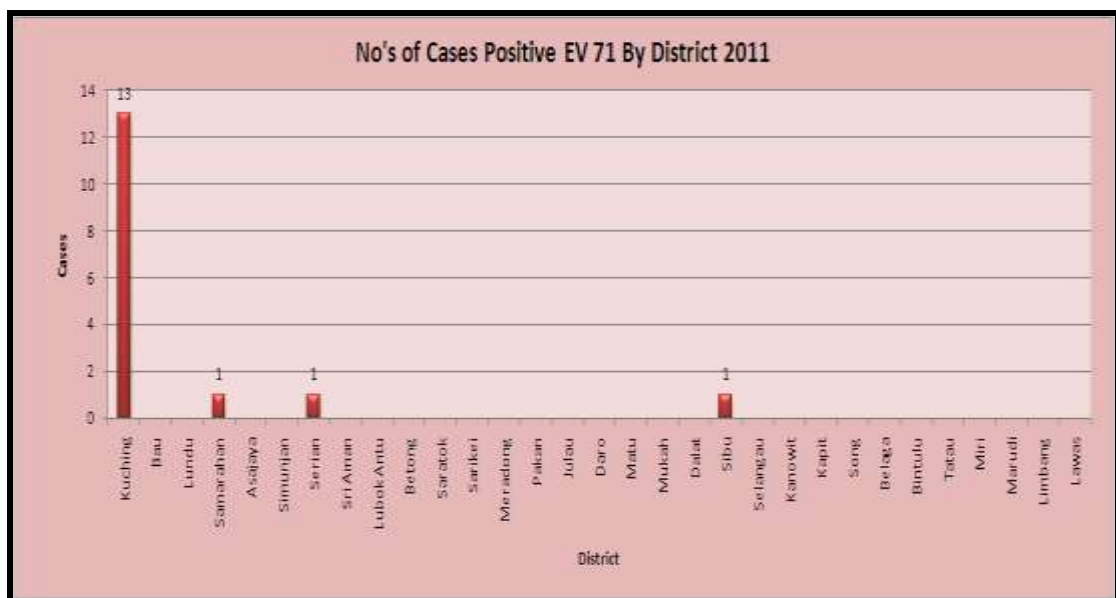
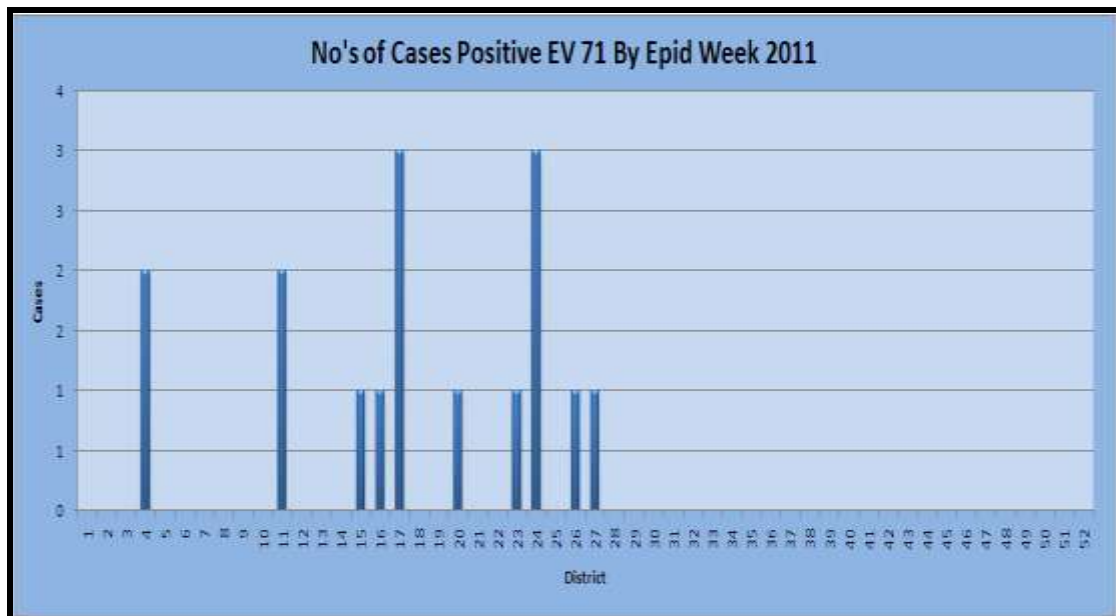
6.3. Laboratory Based Surveillance for HFMD in Sarawak from Epid Week 1 till Epid Week 30, 2011 compared to 2010 (inset).



In Malaysia, as at Epid. Week 29, 2011, a total of 922 specimens of HFMD were sent to MKAK Sg. Buloh for viral isolation. Out of these, 129 specimens isolated HFMD viruses: EV71 (33), Coxsackie A16 (86), Herpes Simplex (HSV 1) (6) and other viruses (4).

In Sarawak, as at Epid. Week 29, 2011, a total of 362 specimens were sent to MKAK Sg. Buloh for viral isolation. Of these, 24 specimens isolated viruses: EV71 (16), Coxsackie A16 (3), Herpes Simplex (HSV 1) [3] and other virus (2).





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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 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 6th 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
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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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