



SARAWAK

WEEKLY EPID NEWS

Sarawak Health Department

WEEK 33

14th – 20th AUGUST 2011

INFECTIOUS DISEASE/CRISIS HIGHLIGHTS IN SARAWAK

In Epid. Week 33, 2011, seven HFMD clusters reported to Sarawak Health Department. Of these, all of the clusters involved kindergartens or primary schools, and one involved secondary school (SMK Bau). All kindergartens in Bintulu were served for closure.

The current rise in the number of HFMD cases in Sarawak is in keeping with the regional situation. Other countries such as Taiwan and Vietnam have recently experienced HFMD outbreaks.

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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	Sri Aman	*Taman Norita, Sri Aman	2	11.08.2011
2		Bau	Kg. Senibong, Singai, Bau	4	16.08.2011
3		Bintulu	*Tadika Pimpin	9	10.08.2011
4			*Tadika Cera, Tanjong Batu	8	09.08.2011
5			*Tasika Sinar Bakti	8	19.08.2011
6			*Tadika Perpaduan RPR Kidurong	7	19.08.2011
7			*Tadika Permata Kasih	5	19.08.2011
8	Dengue	Kanowit	Kg. Sungai Bedil, Kanowit	2	14.08.2011

*Late reporting to CPRC, Sarawak Health Department

There were seven HFMD clusters and one dengue outbreak reported in Epid. Week 33, 2011 to Sarawak Health Department.

3. MANDATORY NOTIFIABLE DISEASES REPORTED IN EPID. WEEK 33, 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																											
Bau							1				9								1								
Kuching						1				1	12																
Samarahan						1					6																
Asajaya																											
Simunjan																			1								
Serian											1								1								
Sri Aman						2					1		1														
L/ Antu						1																					
Betong																											
Saratok											1																
Sarikei											2																
Meradong											2																
Pakan/Julau													6														
Daro																											
Matu																											
Dalat													1														
Mukah																											
Sibu											3		1						1								
Kanowit						1																					
Selangau													2														
Song																											
Kapit						1							5														
Belaga																											
Tatau						3																					
Bintulu						1					50		2														
Miri						2					1		1		4				3					2			
Marudi													2														
Limbang																											
Lawas											1		1														
TOTAL (Week 32)	0/0	0	0	0	0	13	1	0	0	1	89	0	22	0	4	0	0	0	7	0	0	0	0	2	0	0	0
Total (2011)	74/58	0	0	252	0	654	8	0	931	268	1369	10	1134	29	134	0	0	0	94	1	1147	4	0	73	9	0	59
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

No HIV or AIDS case reported in Epid. Week 33, 2011. The cumulative total HIV cases were remains 67 and all cases are adults. Out of these, 47 cases (70.2%) are male and 20 (29.8%) are female. The cumulative total AIDS cases were 34.

3.1.2. Cholera

No case reported in Epid. Week 33, 2011. A total of 252 cases were from Limbang. There were two outbreak localities at Limbang and Medamit in March 2011. DNA finger printing study showed the organisms were local origin.

3.1.3. Dysentery

One suspected case reported in Epid. Week 33, 2011 from Bau district. The cumulative total of dysentery cases were nine but only one case was confirmed to be *E. histolytica* from Simunjan district. The others were negative for microbiological analyses.

3.1.4. Food Poisoning

No food poisoning outbreak reported in Epid. Week 33, 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

One case reported in Epid. Week 33, 2011. The case is from Kuching district. Out of a total of 268 cases reported, 267 were adults and one was a gonococcal neonatorum.

3.1.6. Leprosy

No case reported in Epid. Week 33, 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 33, 2011. Out of the cumulative total of 29 suspected pertussis cases reported in 2011, four cases were confirmed by culture (SGH Kuching: 3; Miri: 1) and one case confirmed by PCR from Sibu hospital.

3.1.8. Measles

Four suspected measles cases were reported in Epid. Week 33, 2011. All cases are Miri district.

The first case is a 29 years old Malay lady from Miri, notified by Bandar Miri Health Clinic, presented with fever, rash and cough but unknown measles vaccination history.

The second case is a 7 years old Chinese boy from Tudan, Miri notified by Tudan Health Clinic, presented with fever, rashes, and cough. This boy had received one dose of MMR at one year old.

The third case is a 16 months old Malay girl presented with fever and rashes. The child had received of MMR vaccination at one year old.

The fourth case is a six months old Iban baby girl notified by Tudan Health Clinic, presented with fever, rashes, cough, and coryza.

All serology results are pending. The cumulative total of suspected measles cases was 134. Of this, only one case was positive IgM measles, that is a three months old baby girl from Serian, diagnosed and notified on the 19 February 2011 and one case was clinically confirmed involving a 20 years old Malay male from Marudi, diagnosed and notified on 11 January 2011. Laboratory sample for this clinically confirmed case was taken but was not sent to MKAK Sungai Buluh.

3.1.9. Syphilis

Eight cases of syphilis were reported in Epid. Week 33, 2011. The cases are from Bau (1), Simunjan (1), Serian (1), Sibu (1) and Miri (3) districts. As on 20th August 2011, a cumulative total of 91 cases were reported in year 2011.

3.1.10. Tetanus

No case reported in Epid. Week 33, 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 33, 2011. The cumulative total confirmed typhoid cases was three (two typhoid and one paratyphoid) which were confirmed by stool C&S test (2) and blood C&S (1).

3.1.13. Viral Hepatitis

Two Hepatitis C cases were reported in Epid. Week 33, 2011.

The two Hepatitis C cases involved a 18 years old Chinese man and 33 years old Malay man notified as acute Hepatitis C but no clinical presentation stated. Both cases were admitted at Hospital Miri .

The cumulative total of Viral Hepatitis cases reported was 83. Of these, 38 cases were viral Hepatitis B where five were acute and 33 were chronic. Another 65 cases were Hepatitis C where thirteen cases were acute and 32 were chronic.

3.1.14. Viral Encephalitis

No case reported in Epid. Week 33, 2011. The cumulative total of viral encephalitis cases were nine. Of this, one case was confirmed Japanese Encephalitis and seven were due to other viruses.

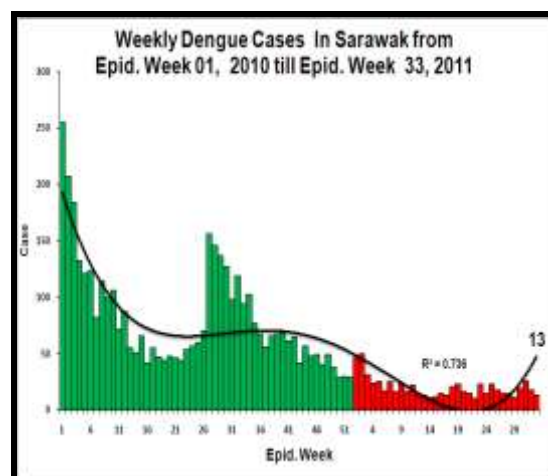
Note: Vector borne diseases and emerging and re-emerging infectious diseases will be discussed in their respective chapter.

4. VECTOR BORNE DISEASES: DENGUE, MALARIA AND CHIKUNGUNYA

4.1. Notified Dengue cases for Epid. Week 33, 2011 compared to Epid. Week 33, 2010 and cumulative cases till Epid. Week 33 in 2010.

District	2011		2010		
	EW 33	Cum.	EW 33	Cum.	Total
Lundu	0	9	4	47	69
Bau	0	19	4	90	123
Kuching	1	75	12	355	473
Samarahan	1	15	0	75	97
Asajaya	0	4	0	7	10
Serian	0	11	1	117	140
Simunjan	0	9	0	39	47
Sri Aman	2	34	2	63	96
Lubok Antu	1	16	3	34	53
Betong	0	10	0	22	30
Saratok	0	4	1	18	20
Sarikei	0	16	1	69	91
Meradong	0	10	0	47	53
Pakan	0	12	1	20	30
Julau	0	10	1	14	20
Daro	0	6	6	56	95
Matu	0	1	3	24	25
Dalat	0	2	0	8	14
Mukah	0	4	1	25	39
Sibu	0	52	24	780	1021
Kanowit	1	22	2	40	64
Selangau	0	7	0	14	32
Song	0	10	0	10	16
Kapit	1	27	3	126	158
Belaga	0	19	1	22	39
Tatau	3	30	0	24	40
Bintulu	1	84	5	171	237
Miri	2	78	12	661	816
Marudi	0	39	3	99	126
Limbang	0	14	4	100	131
Lawas	0	5	0	22	35
Sarawak	13	654	94	3199	4240

EW = Epid. Week



A total of 13 dengue cases were reported for Epid. Week 33, 2011 as compared to 94 cases during the same period in 2010.

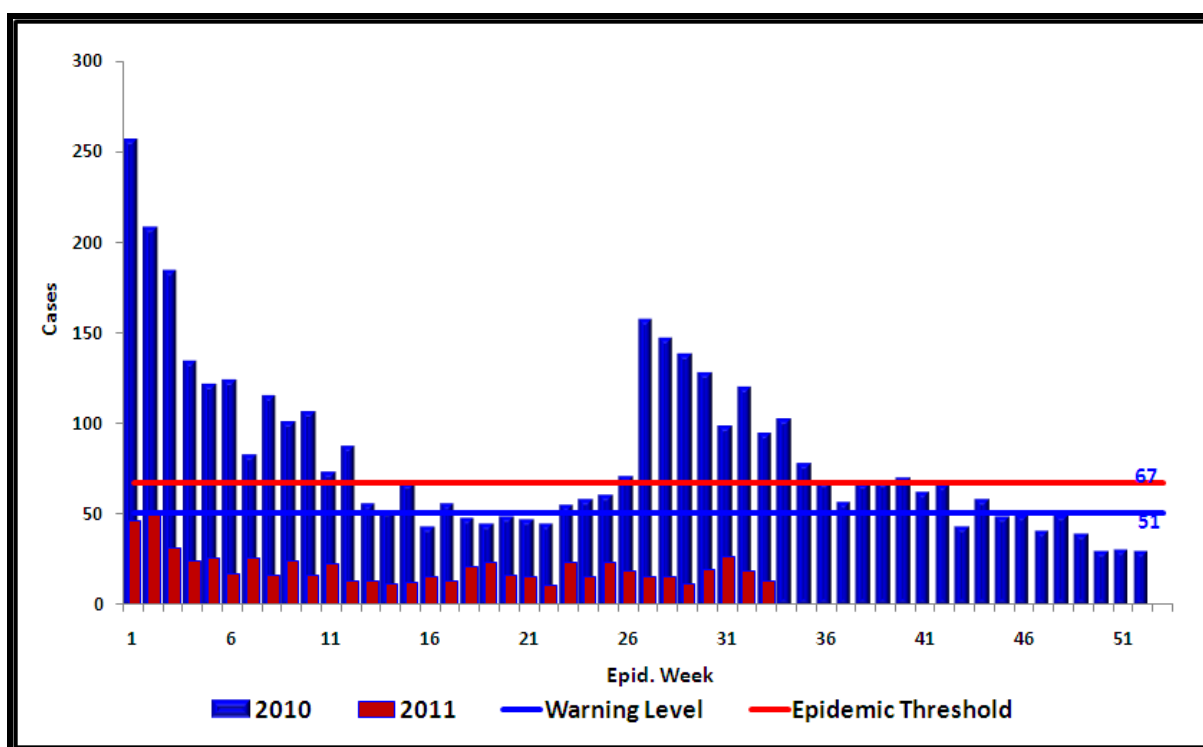
There is a decrease of 5 cases from the previous Epid. Week 2011.

One new outbreak localities are still active, in Kanowit. No uncontrolled outbreak is reported.

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

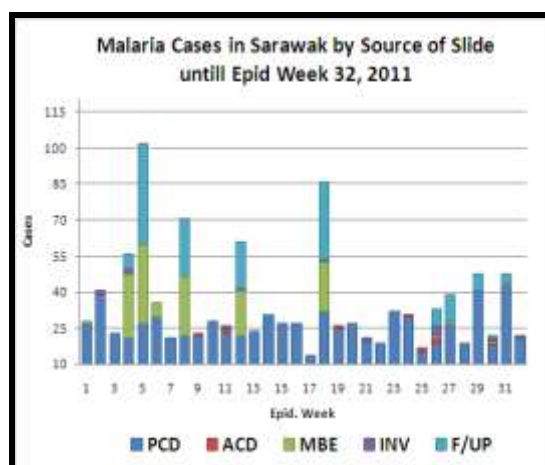
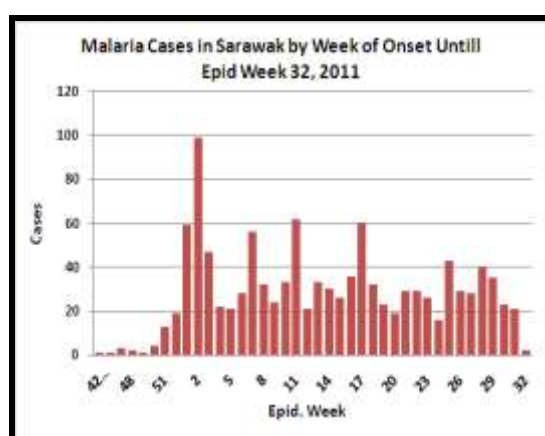
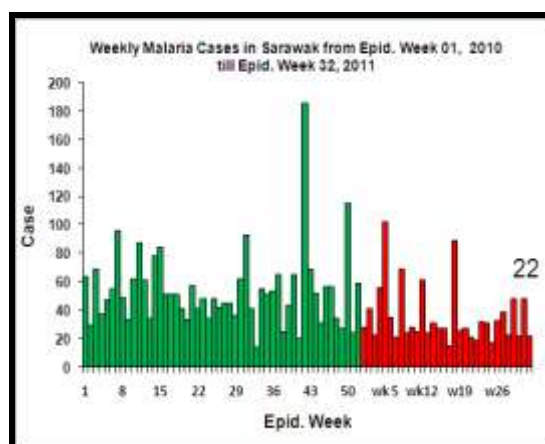
1. Bintulu
2. Miri
3. Kuching
4. Sibu
5. Marudi

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



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

District	2011		2010		Total
	EW 32	Cum.	EW 32	Cum.	
Lundu	0	25	0	62	72
Bau	0	3	0	8	9
Kuching	0	12	0	15	27
Samarahan	0	2	0	0	2
Asajaya	0	0	0	0	0
Simunjan	0	2	0	16	17
Serian	0	16	0	48	58
Sri Aman	1	8	0	16	25
Lubok Antu	0	13	0	14	16
Betong	0	26	0	8	15
Saratok	0	1	0	3	4
Sarikei	0	15	0	4	8
Meradong	0	8	0	1	3
Pakan	1	16	1	10	14
Julau	5	47	0	22	34
Daro	0	1	0	0	1
Matu	0	0	0	0	1
Dalat	1	8	0	11	14
Mukah	0	2	1	5	6
Sibu	1	27	0	28	43
Kanowit	0	56	0	39	65
Selangau	2	9	0	5	9
Song	0	44	1	30	46
Kapit	5	135	5	77	134
Belaga	0	83	7	238	300
Tatau	0	19	2	9	12
Bintulu	2	30	1	17	39
Miri	1	20	3	17	32
Marudi	2	469	19	951	1734
Limbang	0	12	1	27	29
Lawas	1	25	0	22	33
Sarawak	22	1134	41	1703	2802



A total of 22 cases were reported on week 32, 2011. Cumulative cases till week 32 were 1134 cases. Of the 1112 cases, 469 cases (41.35%) from Marudi District, 135 cases (12%) from Kapit District and 84 cases (7.4%) 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 32	Epid. Week 1 – Epid. Week 32
Passive Case Detection (PCD)	21	816
Active Case Detection (ACD)	0	9
Investigation slides (INV)	1	12
Mass Blood Survey (MBS)	0	144
Follow-up	0	153
Total	22	1134

4.2.2. Cases by species

Species	Epid. Week 32	Epid. Week 1 – Epid. Week 32
<i>Plasmodium vivax</i>	5	653
<i>Plasmodium falciparum</i>	2	60
<i>Plasmodium malariae</i> [#]	8	230
<i>Plasmodium knowlesi</i>	7	188
<i>Plasmodium ovale</i>	0	0
Mixed infection	0	3
Total	22	1134

Notes: # May include *Plasmodium knowlesi*

4.2.3. Cases classification

Classification	Epid. Week 32	Epid. Week 1 – Epid. Week 32
Indigenous	16	879
*Imported A	6	141
Relapsed	0	113
Congenital	0	1
Total	22	1134

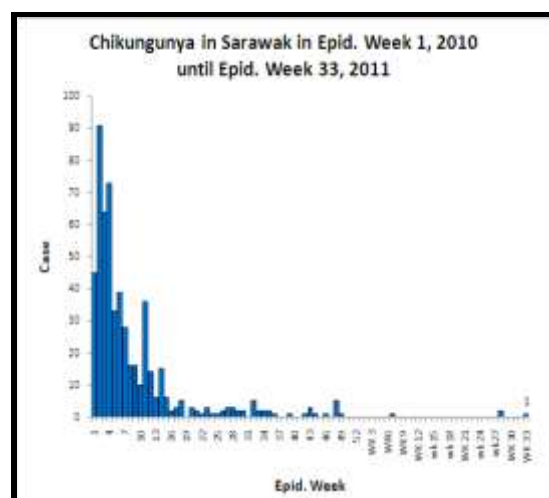
4.2.4. The source of infection of the *Imported A cases and the species involved.

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

4.3. Notified Chikungunya cases for Epid. Week 33, 2011 compared to Epid. Week 33, 2010 and cumulative cases till Epid. Week 33 in 2010.

District	2011		2010		Total
	EW 33	Cum.	EW 33	Cum.	
Lundu	0	0	0	1	1
Bau	0	0	2	11	13
Kuching	0	1	2	72	72
Samarahan	0	0	0	2	3
Asajaya	0	0	0	1	1
Serian	0	1	0	15	15
Simunjan	0	0	0	17	17
Sri Aman	0	0	0	26	26
Lubok Antu	0	0	0	16	16
Betong	0	1	0	11	13
Saratok	0	0	0	8	8
Sarikei	0	0	0	6	7
Meradong	0	0	0	24	25
Pakan	0	0	1	10	10
Julau	0	0	0	22	22
Daro	0	0	0	19	21
Matu	0	0	0	0	0
Dalat	0	0	0	9	9
Mukah	0	0	0	11	12
Sibu	0	0	0	45	45
Kanowit	0	0	0	1	1
Selangau	0	0	0	0	0
Song	0	0	0	5	5
Kapit	0	0	0	60	67
Belaga	0	0	0	76	78
Tatau	0	0	0	6	6
Bintulu	0	0	0	43	44
Miri	0	0	0	13	13
Marudi	1	1	0	0	0
Limbang	0	0	0	0	0
Lawas	0	0	0	0	0
Sarawak	1	4	5	530	550

EW = Epid Week



One case of Chikungunya was reported in week 33, 2011, this case was from Marudi. During the same period in 2010, 5 cases were reported. The cumulative case of Chikungunya for 2011 were 4 cases.

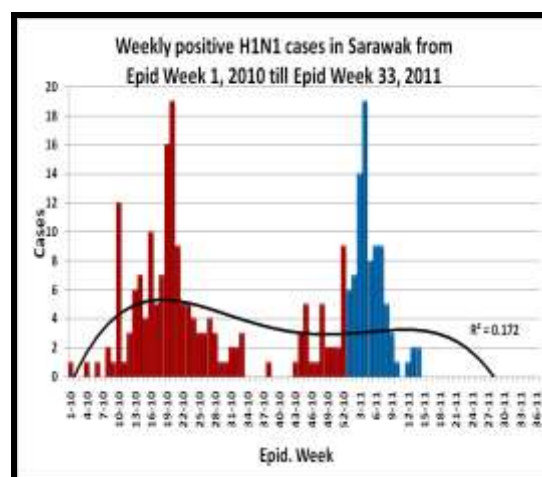
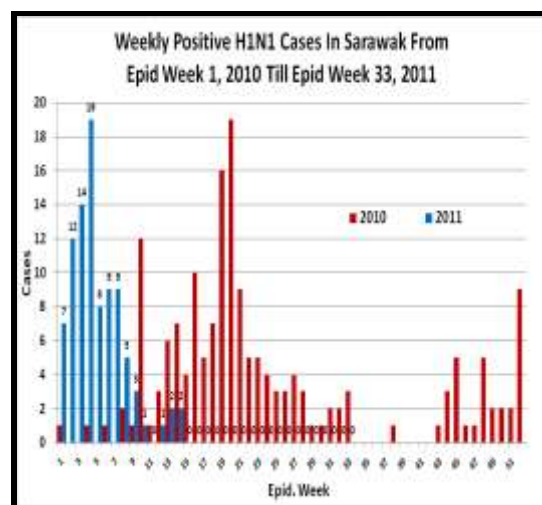
5. EMERGING/RE-EMERGING INFECTIOUS AND ZONOTIC DISEASES

5.1. H1N1

5.1.1 Positive Pandemic Influenza A (H1N1) cases for Epid. Week 33, 2011 compared to Epid. Week 33, 2010 and cumulative cases till Epid. Week 33 in 2011.

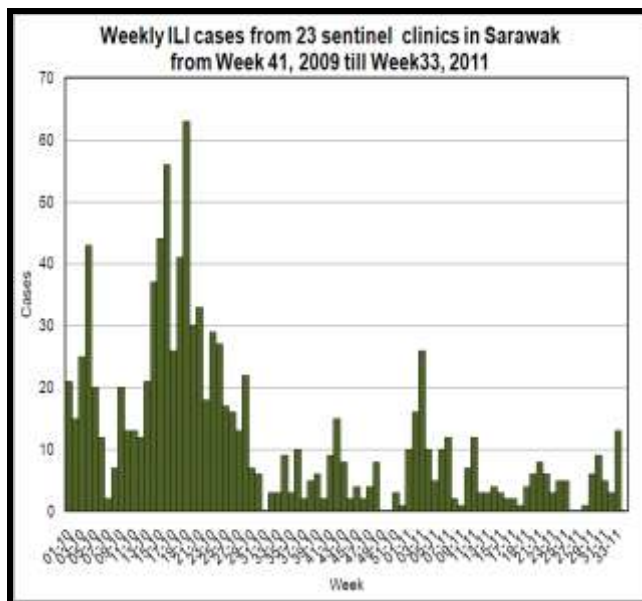
District	2011		2010		Total
	EW 33	Cum.	EW 33	Cum.	
Lundu	0	1	0	8	9
Bau	0	0	1	1	1
Kuching	0	51	1	42	61
Samarahan	0	0	0	8	8
Simunjan	0	0	0	3	4
Serian	0	0	0	2	2
Sri Aman	0	0	0	4	4
Lubok Antu	0	0	0	0	0
Betong	0	1	0	0	0
Saratok	0	0	0	0	0
Sarikei	0	0	0	2	2
Meradong	0	0	0	0	0
Julau	0	0	0	0	0
Daro	0	0	0	0	0
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	20	20
Lawas	0	1	0	2	2
TOTAL	0	92	3	137	161

EW = Epid. Week



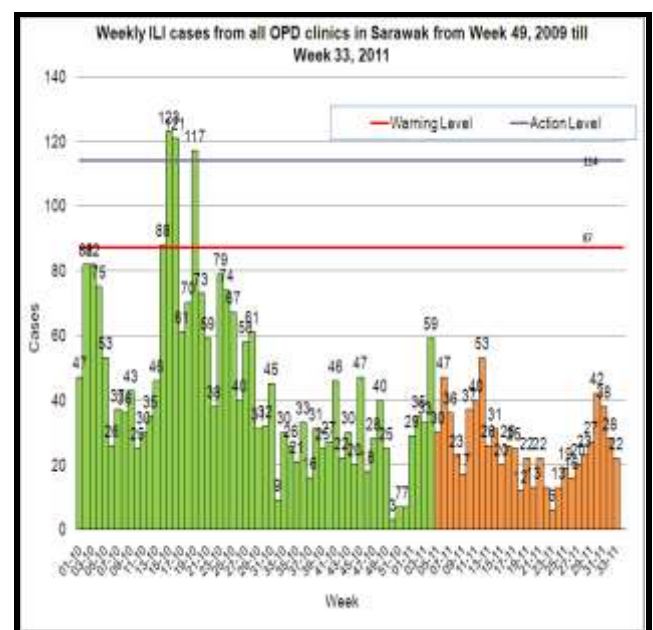
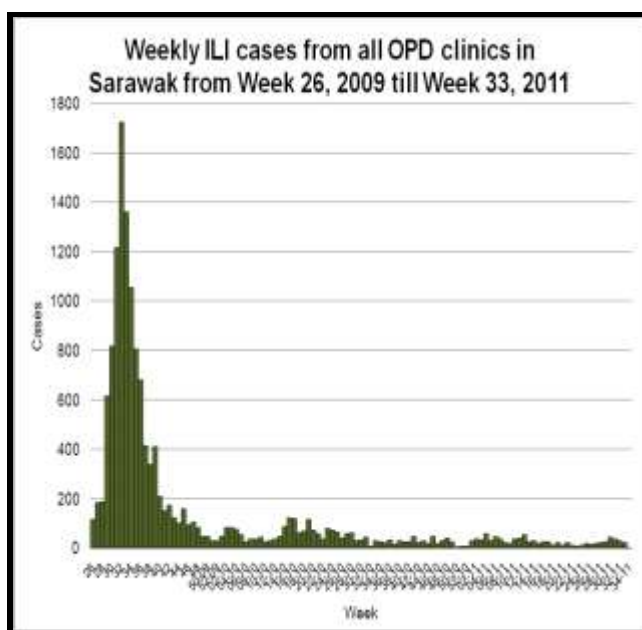
No H1N1 positive case was reported in Epid. Week 33, 2011. The cumulative total cases in 2011 were 92 cases compared to 137 cases reported during the same period in 2010.

5.1.2 Outpatient Influenza-Like Illness (ILI) Surveillance from Epid. Week 25 in 2009 till Epid. Week 33 in 2011.



In Epid. Week 33, 2011, 12 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).



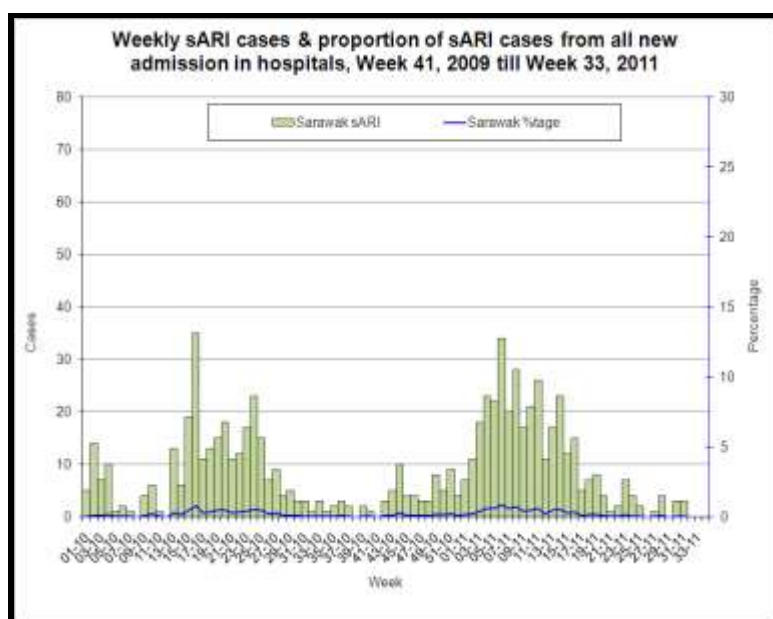
Referring to a letter dated 25 January 2011 from Office of the Deputy Director-General of Health (Public Health), Department of Public Health, Ministry of Health Malaysia about **PEMANTAUAN AKTIVITI H1N1 SECARA BERTERUSAN**, all PKB/PKD must send their daily H1N1 report as well as ILI and sARI surveillance 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 20th 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 20th August 2011.

Division	Hospital	New EW 33	Cumulative 2011	No. of Inpatient			No. of Patient on Ventilator	Throat swabs		
				ICU	ISO	Other wards		Positive	Pending	Negative
Kuching	SGH Kuching	0	161	0	0	0	0	0	0	0
	Bau	0	0	0	0	0	0	0	0	0
	Lundu	0	19	0	0	0	0	0	0	0
	RCBM	0	0	0	0	0	0	0	0	0
	Sentosa	0	0	0	0	0	0	0	0	0
Samarahan	Serian	0	0	0	0	0	0	0	0	0
	Simunjan	0	1	0	0	0	0	0	0	0
Sri Aman	Sri Aman	0	0	0	0	0	0	0	0	0
Betong	Betong	0	0	0	0	0	0	0	0	0
	Saratok	0	0	0	0	0	0	0	0	0
Sarikei	Sarikei	0	0	0	0	0	0	0	0	0
Sibu	Sibu	0	1	0	0	0	0	0	0	0
	Kanowit	0	0	0	0	0	0	0	0	0
Mukah	Mukah	0	0	0	0	0	0	0	0	0
	Dalat	0	0	0	0	0	0	0	0	0
	Daro	0	0	0	0	0	0	0	0	0
Kapit	Kapit	0	0	0	0	0	0	0	0	0
Bintulu	Bintulu	0	248	0	0	0	0	0	0	0
Miri	Miri	0	16	0	0	0	0	0	0	0
	Marudi	0	0	0	0	0	0	0	0	0
Limbang	Limbang	0	6	0	0	0	0	0	0	0
	Lawas	0	0	0	0	0	0	0	0	0
Total		0	452	0	0	0	0	0	0	0

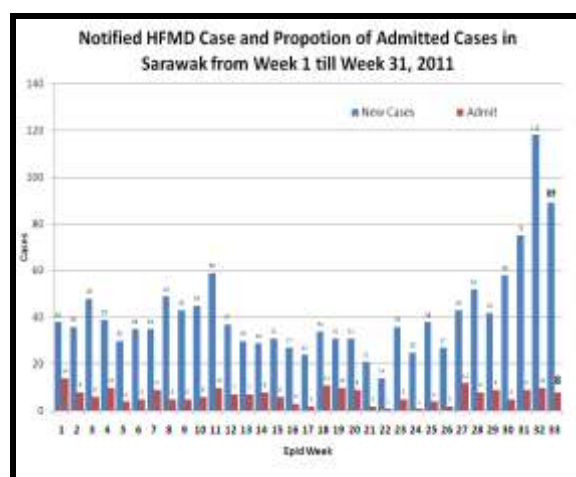
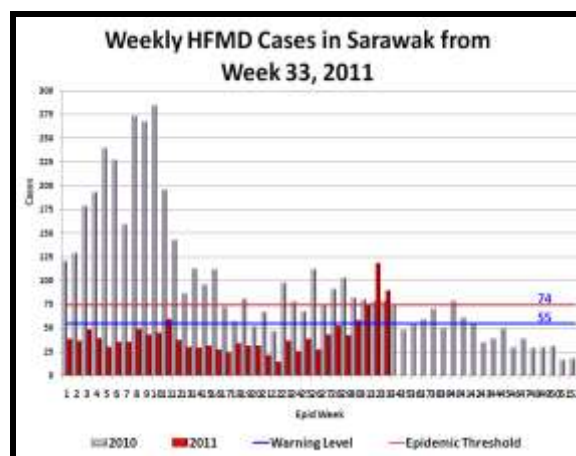
EW = Epid. Week

No sARI admission reported in Epid. Week 33, 2011.

5.2. Notified HFMD cases for Epid. Week 33, 2011 compared to Epid. Week 33, 2010 and cumulative cases till Epid. Week 33 in 2011.

District	2011		2010		Total 2010
	EW 33	Cum.	EW 33	Cum.	
Kuching	12	216	14	850	961
Bau	9	44	7	198	209
Lundu	0	19	1	66	86
KUCHING	21	279	22	1114	1256
Samarahan	6	51	3	124	127
Asajaya	0	23	0	3	7
Simunjan	0	2	4	30	37
Serian	1	13	0	24	25
SAMARAHAN	7	89	7	181	196
Sri Aman	1	54	2	126	145
Lubok Antu	0	8	0	20	23
SRI AMAN	1	62	2	146	168
Betong	0	29	2	69	103
Saratok	1	26	0	38	38
BETONG	1	55	2	107	141
Sarikei	2	103	1	198	206
Meradong	2	24	2	50	55
Pakan	0	4	0	37	37
Julau	0	4	0	21	24
SARIKEI	4	135	3	306	322
Daro	0	0	0	23	24
Matu	0	0	0	19	20
Mukah	0	36	2	216	259
Dalat	0	16	2	102	108
MUKAH	0	52	4	360	411
Sibu	3	66	4	430	517
Selangau	0	5	0	7	17
Kanowit	0	19	0	44	44
SIBU	3	90	4	481	578
Kapit	0	49	0	104	116
Song	0	10	3	26	29
Belaga	0	5	0	10	10
KAPIT	0	64	3	140	155
Bintulu	50	341	14	439	629
Tatau	0	19	1	14	28
BINTULU	50	360	15	453	657
Miri	1	132	13	666	911
Marudi	0	40	2	86	105
MIRI	1	172	15	752	1016
Limbang	0	8	0	54	54
Lawas	1	3	2	47	56
LIMBANG	1	11	2	101	110
SARAWAK	89	1369	79	4141	5010

EW = Epid. Week

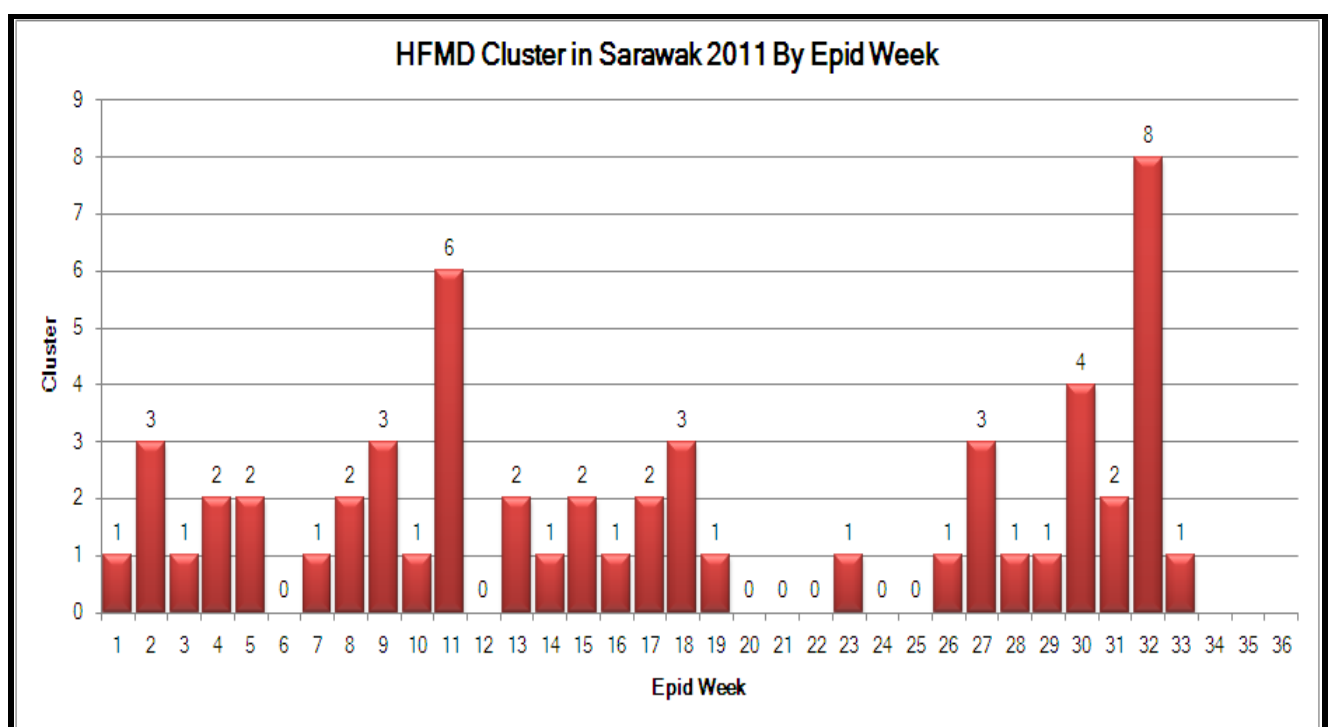
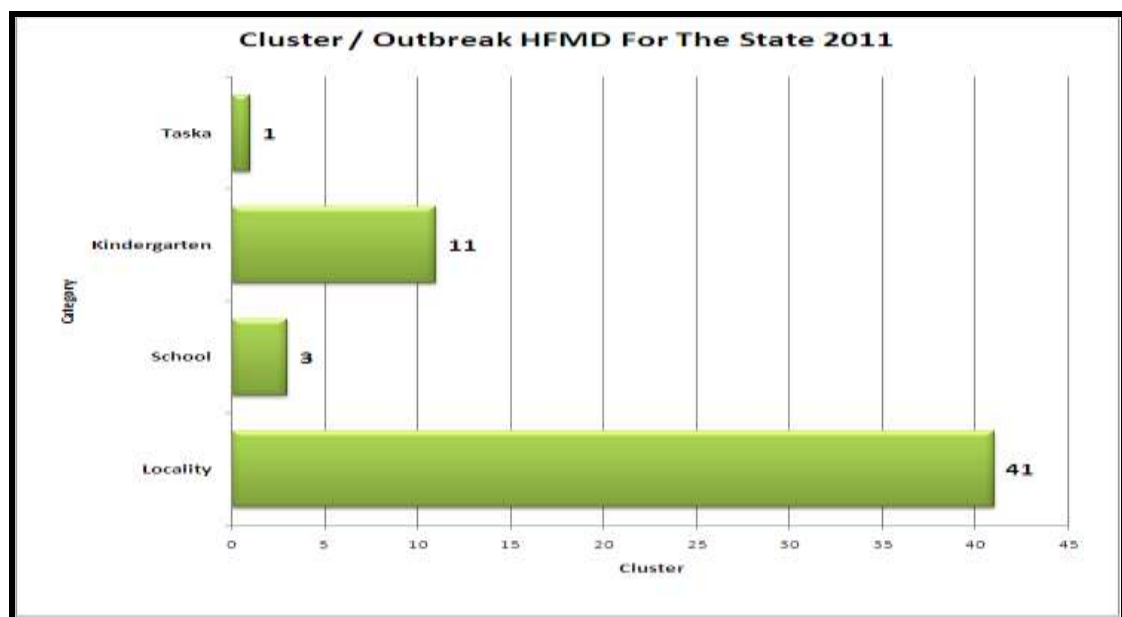


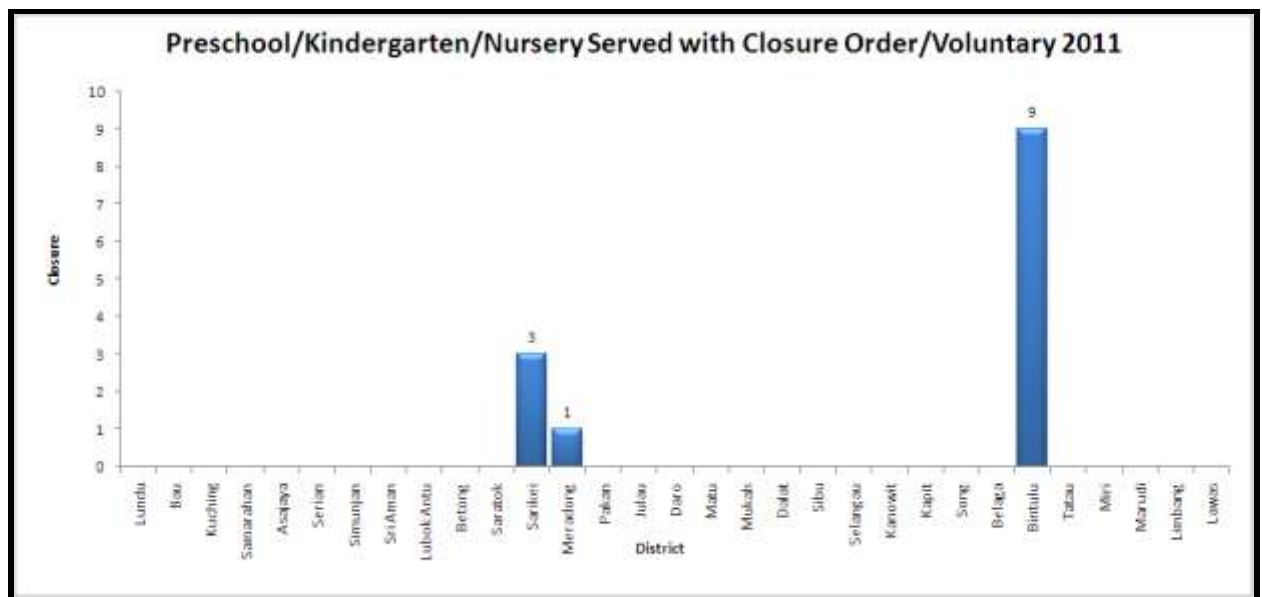
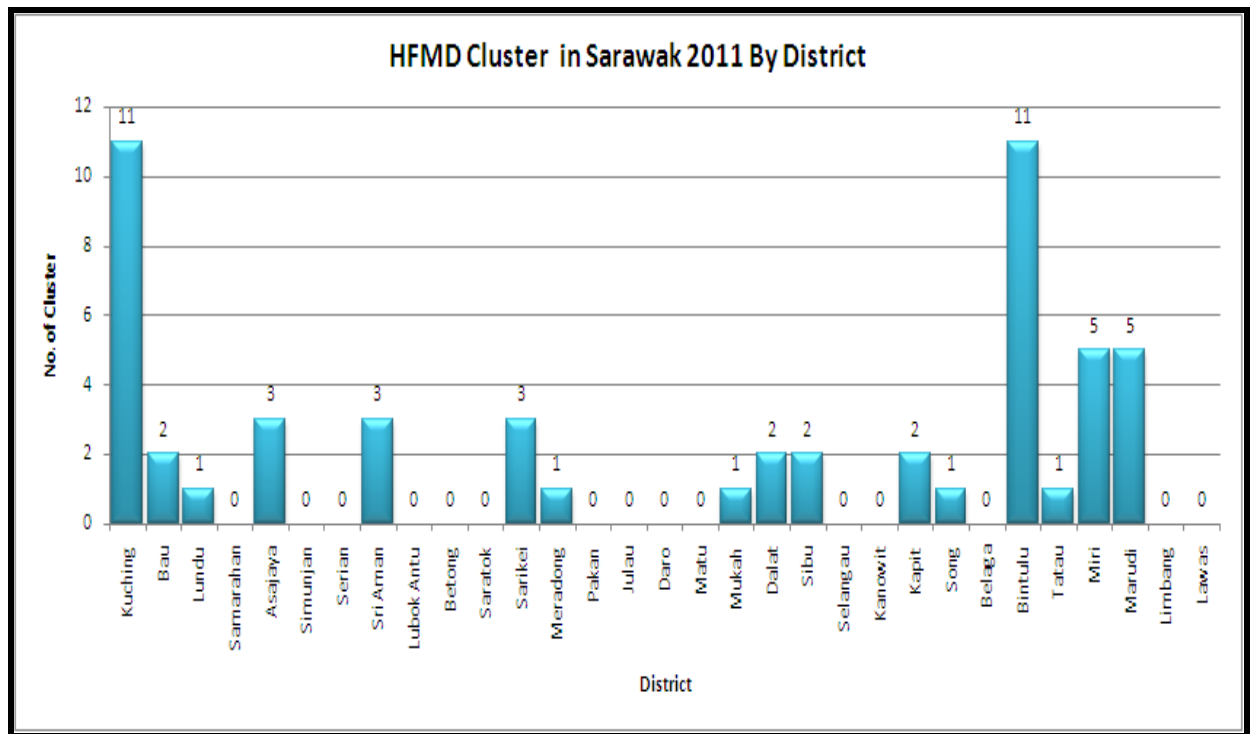
A total of 89 cases reported in Epid. Week 33, 2011. This was an increase of 40 cases from Epid. Week 32, 2011. A cumulative total of 1,369 cases reported compared to 4,141 cases during the same period in 2010.

5.2.1. Cumulative HFMD Clusters as of 20th August 2011.

Seven HFMD clusters reported in Epid. Week 33, 2011 involved two family clusters at Bau and Sri Aman district and five kindergarten at Bintulu (4) and Bau (1) district.

As at 20th August 2011, a total of 57 clusters reported. Of these, 41 (71.92%) were family cluster, eleven (12.28%) were cluster in kindergarten, four (7.01%) were in school and one (1.75%) was in Taska or day care centre.





5.3. Notified Leptospirosis cases for Epid. Week 33, 2011 compared to Epid. Week 33, 2010 and cumulative cases till Epid. Week 33 in 2011.

District	Case classification (positive)				Total positive leptospirosis	
	Confirmed		Probable		2011	2010
	EW 33/2011	EW 33/2010	EW 33/2011	EW 33/2010		
Lundu	0	0	0	0	0	0
Bau	0	0	0	0	0	1
Kuching	0	0	1	0	10	12
Samarahan	0	0	1	0	1	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	0	0	7	1
Lubok Antu	0	0	0	0	5	3
Betong	0	0	0	0	3	0
Saratok	0	0	0	0	1	0
Sarikei	0	0	0	0	0	1
Meradong	0	0	0	0	0	1
Pakan	0	0	0	0	1	1
Julau	0	0	0	0	0	1
Daro	0	0	0	0	1	1
Dalat	0	0	0	0	0	0
Mukah	0	0	0	0	2	1
Sibu	0	0	0	0	1	6
Kanowit	0	0	0	0	2	1
Selangau	0	0	1	0	2	0
Song	0	0	0	0	0	2
Kapit	0	0	0	0	3	1
Belaga	0	0	0	0	4	0
Tatau	0	0	0	0	1	0
Bintulu	0	0	0	0	4	6
Miri	0	0	0	0	5	3
Marudi	0	0	0	0	1	2
Limbang	0	0	0	1	2	1
Lawas	0	0	0	0	0	0
Total	0	0	3	1	62	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

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 33, 2011 compared to Epid. Week 33, 2010 and cumulative cases till Epid. Week 33 in 2011.

District	Blood test result				Total positive	
	Positive				2011	2010
	Culture		Serology			
	EW 33/2011	EW 33/2010	EW 33/2011	EW 33/2010		
Bau	0	0	0	0	0	0
Kuching	0	0	0	1	2	12
Samarahan	0	0	0	0	0	0
Simunjan	0	0	0	0	0	0
Serian	0	0	0	0	1	1
Sri Aman	0	0	0	0	1	0
Lubok Antu	0	0	0	0	1	0
Betong	0	0	0	0	0	2
Saratok	0	0	0	0	0	1
Sarikei	0	0	0	0	0	2
Meradong	0	0	0	0	0	2
Pakan	0	0	0	0	0	0
Julau	0	0	0	0	0	2
Dalat	0	0	0	0	0	1
Mukah	0	0	0	0	0	3
Sibu	0	0	0	0	1	5
Kanowit	0	0	0	0	0	1
Selangau	0	0	0	0	1	6
Song	0	0	0	1	1	7
Kapit	0	0	0	3	37	162
Belaga	1	0	0	0	16	28
Tatau	0	0	0	1	3	14
Bintulu	0	0	0	1	2	49
Miri	1	0	0	0	1	35
Marudi	0	0	0	0	0	7
Limbang	0	0	0	0	0	2
Lawas	0	0	0	1	0	1
Total	2	0	0	8	67	343

Note: EW = Epid. Week

District indicate source of infection based on patient's current place of residence or workplace

2011: Number of cases will depend on which Epid. Week results are received.

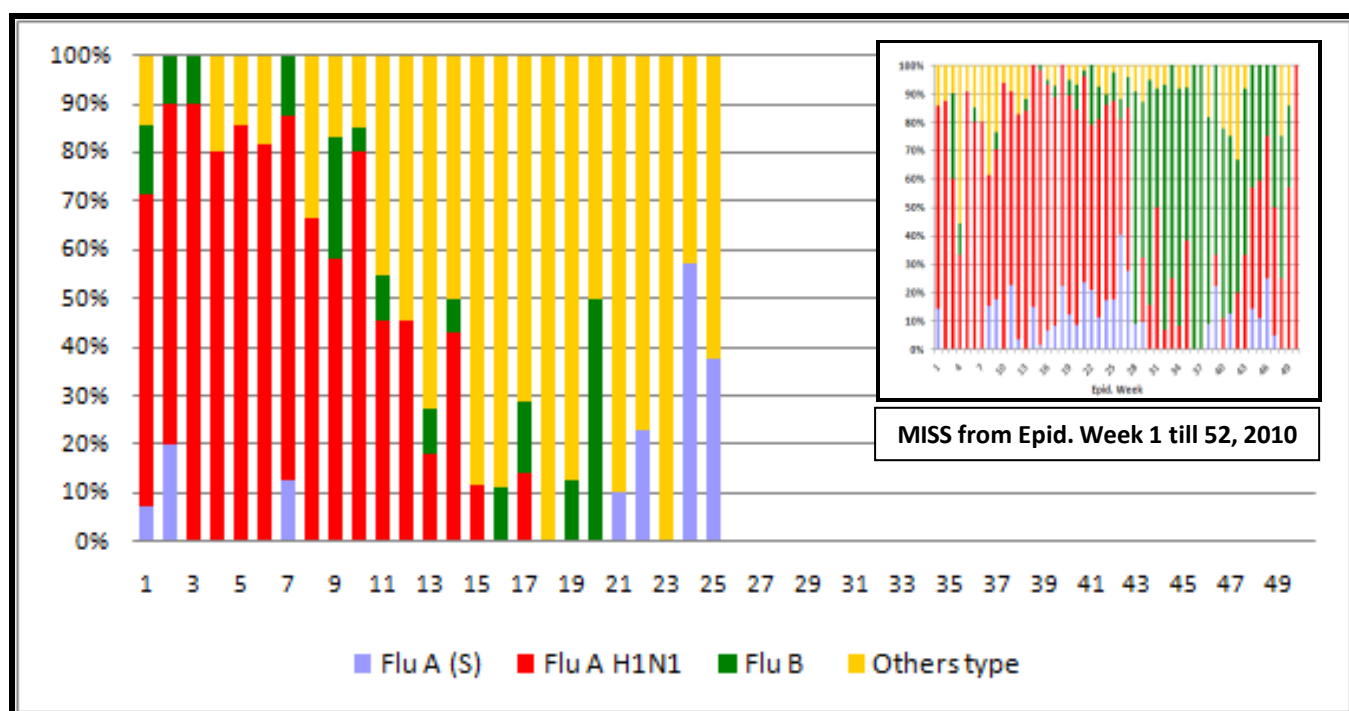
5.4.1. Locality of melioidosis outbreak in Sarawak as at 20th August 2011.

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).

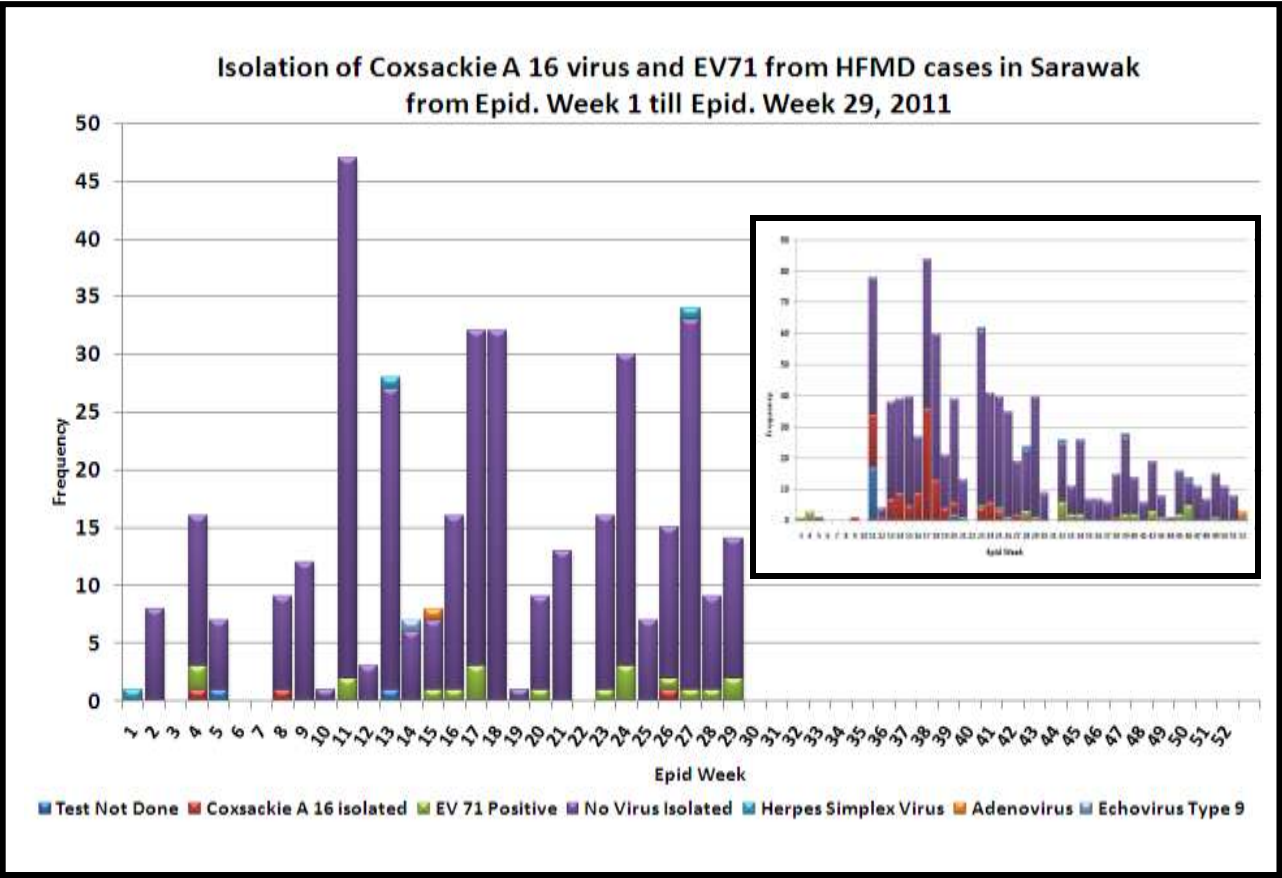
6.2. Laboratory Based Surveillance for Measles in Malaysia

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).

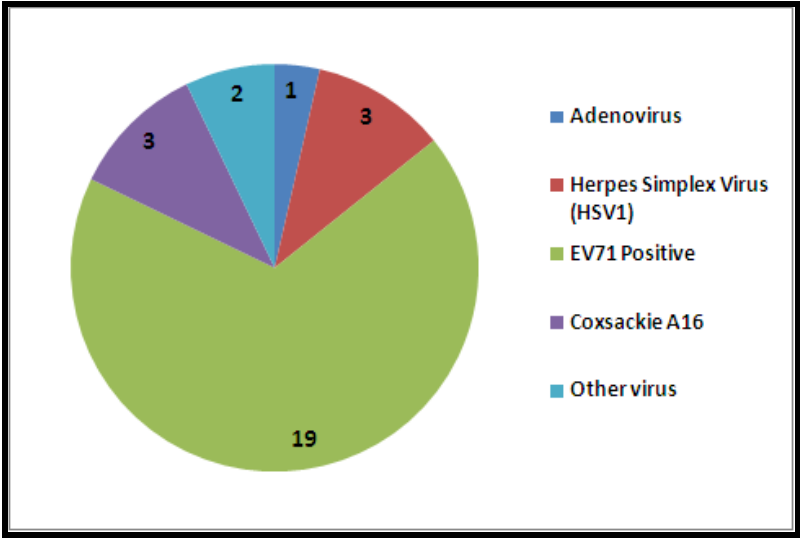
As at Epid Week 29, 2011, Sarawak had sent 136 specimens for serology test. Two specimens positive for measles IgM and 28 positive for rubella IgM. Only 12 specimens for measles viral isolation from Sarawak were sent to MKAK Sg. Buloh but so far none were positive.

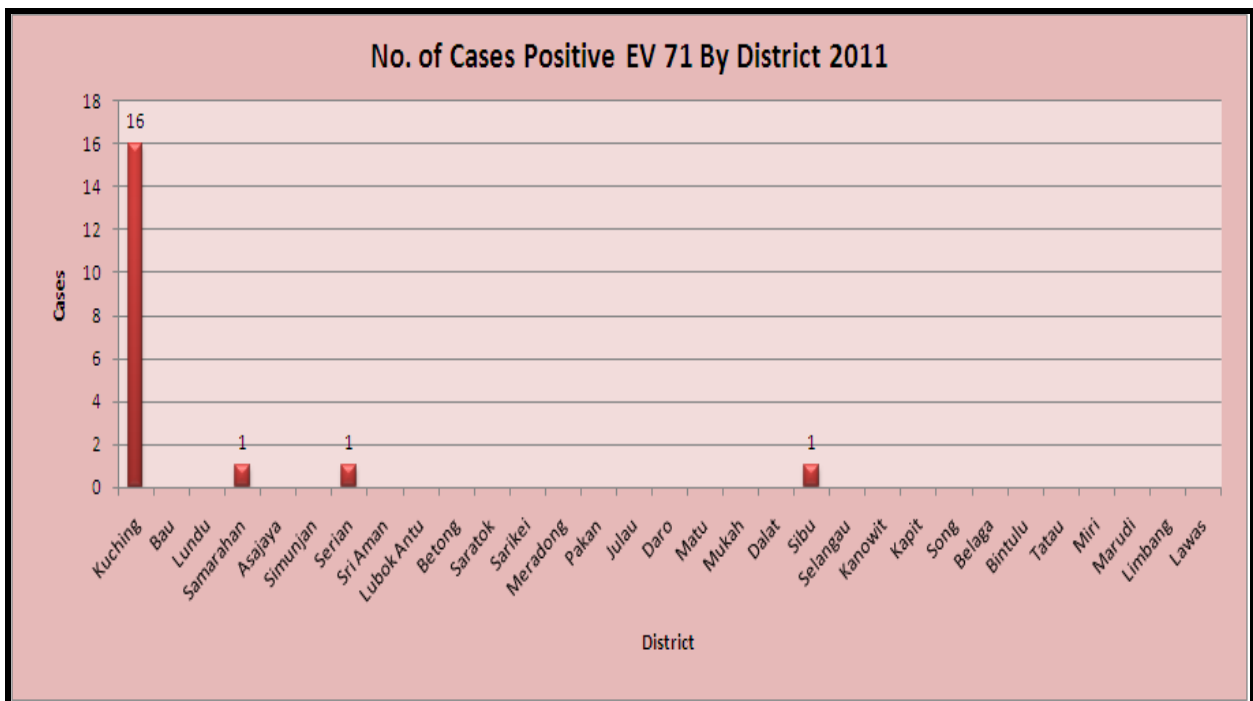
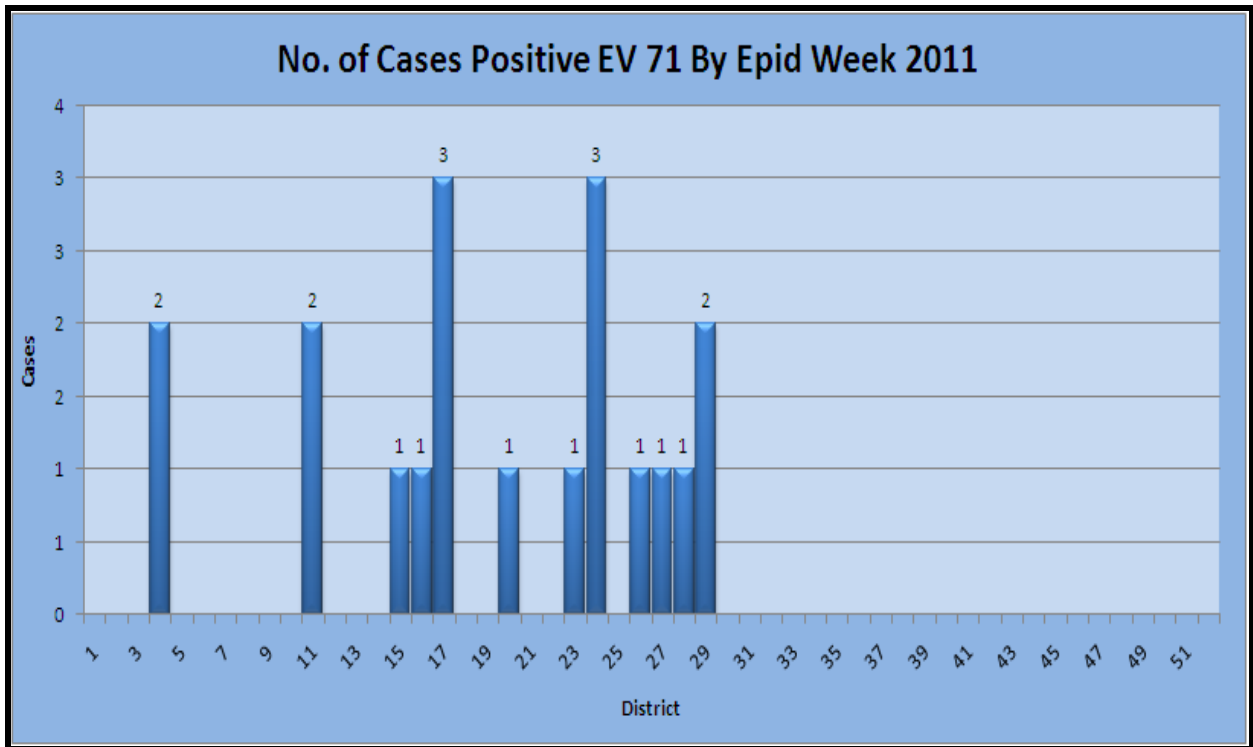
6.3. Laboratory Based Surveillance for HFMD in Sarawak from Epid Week 1 till Epid Week 33, 2011 compared to 2010 (inset).



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

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





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Note:

1. The data may be subject to change. Any enquiries please call CDC Section, Sarawak Health Department.
2. Prepared by CPRC (Crisis Preparedness and Response Centre), Communicable Disease Control Section, Sarawak Health Department.
3. Any comments or new ideas on Sarawak Weekly Epid News are greatly appreciated.

LIST OF NOTIFIABLE DISEASES				
First Schedule (Section 2), Prevention and Control Of Infectious Diseases Act, 1988 (Act 432)				
No.	Diseases	Notification		
		24 Hours	3 Days	1 Week
1	Chancroid			✓
2	Cholera	✓		
3	Dengue Fever and Dengue Haemorrhagic Fever	✓		
4	Diphtheria	✓		
5	Dysentery (All Types)			✓
6	Ebola	✓		
7	Food Poisoning	✓		
8	Gonococcal Infections (All Forms)			✓
9	Leprosy			✓
10	Malaria		✓	
11	Measles	✓		
12	Hand, Foot and Mouth Disease	✓		
13	Plague	✓		
14	Poliomyelitis, Acute	✓		
15	Rabies	✓		
16	Relapsing Fever			✓
17	Syphilis (All Forms)			✓
18	Tetanus (All Forms)			✓
19	Tuberculosis (All Forms)			✓
20	Typhoid & Paratyphoid Fever			✓
21	Typhus & Other Rickettsioses			✓
22	Viral Encephalitis			✓
23	Viral Hepatitis (All Forms)			✓
24	Whooping Cough			✓
25	Yellow Fever	✓		
26	Any Other Life Threatening Microbial Infection			✓
27	AIDS / HIV			✓
28	Leptospirosis			✓

Notes: 1) Leptospirosis was gazetted as a notifiable disease on 9th December 2010;

- 2) **All Malaria cases** should be notified within 3 days and as for Sarawak to be notified within **24 hours** (Source: Vector Borne Disease Control Section, Sarawak Health Department)

Reporting and notifying of the above 28 infectious diseases is mandated by the Prevention and Control of Infectious Disease Act 1988. Every medical practitioner who treats or becomes aware of the existence of any infectious disease in any premises, with least practicable delay, shall notify to the nearest Medical Officer of Health as stipulated under this Act (First Schedule).

PREVENTION AND CONTROL OF INFECTIOUS DISEASES ACT

FIRST SCHEDULE

[Section 2]

INFECTIOUS DISEASES

PART I

1. Chancroid.
2. Cholera.
3. Dengue Fever and Dengue Haemorrhagic Fever.
4. Diphtheria.
5. Dysentries (All forms).
- 5A Ebola.
6. Food poisoning.
7. Gonococcal Infectious (All forms).
- 7A. Hand, Foot and Mouth Disease (HFMD).
8. Leprosy.
- 8A. Leptospirosis.
9. Malaria.
10. Measles.
- 10A. *Deleted.*
11. Plague.
12. Poliomyelitis (Acute).
13. Rabies.
14. Relapsing Fever.
15. Syphilis (All forms).
16. Tetanus (All forms).
17. Tuberculosis (All forms).
18. Typhoid and Paratyphoid Fevers.
19. Typhus and other Rickettsioses
20. Viral Encephalitis.
21. Viral Hepatitis.
22. Whooping Cough.
23. Yellow Fever.
24. Any other life threatening microbial infection.

PART II

Human Immunodeficiency Virus Infection (All forms)

Appendix 2

The addresses and contact numbers of the Medical Officer of Health/Divisional Health Officers in Sarawak are listed below (as at 13th August 2011):

Bil	Jawatan / Nama	Alamat	Email	No. Hp
1	Ketua Penolong Pengarah Kanan Dr. Razitasham Binti Safii	Seksyen Kawalan Penyakit Berjangkit, Jabatan Kesihatan Negeri Sarawak	razitasham@srwk.moh.gov.my	Tel:082-421442 Fax: 082-234571
2	Ketua Penolong Pengarah Dr. Noorzilawati bt. Sahak	Seksyen Kawalan Penyakit Berjangkit, Jabatan Kesihatan Negeri Sarawak	drnoorzila@gmail.com	Tel: 082-246935
3	Pegawai Kesihatan Bahagian Kuching Dr. Kamarudin Lajim	Pejabat Kesihatan Bahagian, Bahagian Kuching, Jln Tun Ahmad Zaidi Adruce, 93250 Kuching	dhoshan@yahoo.com.sg kamarudinl@srwk.moh.gov.my	Tel:082 – 238635/257867 Fax:082-414542/250037 Hp:013-8014332
4	Pegawai Kesihatan Bahagian Samarahan Dr. Julaidah Sharip	Pejabat Kesihatan Bahagian, Bahagian Samarahan, Jln Datuk Muhammad Musa, 94300 Kota Samarahan	drjulaidah@yahoo.com	Tel:082-673626 Fax:082-673632 Hp:019-8270869
5	Pegawai Kesihatan Bahagian Sri Aman Dr. Murnihayati Binti Ali	Pejabat Kesihatan Bahagian, Bahagian Sri Aman, Tingkat 3, Wisma Persekutuan, Jln Hospital, 95007 Sri Aman	murnihayati_ali@yahoo.com	Tel:083-332176 Fax:083-322058 Hp:012-5066751
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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
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