



SARAWAK

WEEKLY EPID NEWS

Sarawak Health Department

WEEK 41

9th – 15th OCTOBER 2011

INFECTIOUS DISEASE/CRISIS HIGHLIGHTS IN SARAWAK

In Epid. Week 41, 2011, Sarawak Health Department had received nine clusters/outbreaks of infectious diseases i.e. seven clusters of HFMD, one food poisoning outbreak, and one malaria outbreak.

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SARAWAK
State Health Department

CPRC (CRISIS PREPAREDNESS AND RESPONSE CENTRE)

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2. NEW OUTBREAKS/CLUSTERS

No	Disease	District	Locality	Case (No)	Outbreak declared
1	HFMD	#Kuching	Lorong H, Kampung Sri Arjuna, Jalan Puncak Borneo	2	09/10/2011
2			Lorong 20, Taman Desa Wira, Batu Kawa	2	09/10/2011
3			Batu 15, Jalan Kuching Serian	2	09/10/2011
4			Lot 1865, Semariang Baru, Fasa 3	2	12/10/2011
5		Sarikei	Lot 3455, Jalan Tai Sing	2	09/10/2011
6			Rh. William Tandang, Sg. Seleku	2	09/10/2011
7		Bintulu	Tadika Methodist (Ming Ong), Jalan Sultan Iskandar	7	07/10/2011
8	Food Poisoning	Kuching	*Kolej Sains Kesihatan Bersekutu	5	30/09/2011
9	Malaria	Belaga	KKB Shin Yang, Menawan Wood Stamping	2	13/10/2011

*Late reporting to CPRC, Sarawak Health Department

Not reported to CPRC, Sarawak Health Department

There were nine clusters/outbreaks were reported in Epid. Week 41, 2011 to Sarawak Health Department.

2.1. Preliminary report of Food Poisoning Outbreak at Kolej Kesihatan Bersekutu (KSKB) Kuching.

A food poisoning outbreak in Kolej Kesihatan Bersekutu (KSKB), Kuching was notified to PKB Kuching on 1st October 2011. This is the **second episode** of food poisoning outbreak occurred in KSKB. The first outbreak was on 13th July 2011.

The incident occurred during a function with Amanah Saham Bumiputera (ASB) on 30th September 2011 (Friday) at Dewan Auditorium KSKB. There were 80 students and lecturers attended the function where five of them had food poisoning symptoms. The aged between 18 – 25 years old (male= 1, female = 4) who presented with nausea (100%), abdominal pain (60%) and vomiting (20%). All cases have the same onset around 4:00 PM on 30th September 2011 with incubation periods of four hours. One case treated as outpatient at Hospital RCBM. None were admitted.

The suspected food was '*nasi lemak*' packed in polystyrene container which was distributed to the guests around 12:00 noon on 30th September 2011 (Friday). Based on the symptoms, this is most likely intoxication food poisoning.

The premise is under new caterer, Syarikat Teruna Tampan. Syarikat Teruna Tampan was formerly the caterer who operated Kolej Kesihatan Awam Kuching canteen. On 3rd October 2011, the premise rating was 65.5%. Previously, on 13th July 2011, the rating was 59.6% but under different caterer.

The constituents of '*nasi lemak*' were the *nasi lemak* (using evaporated milk), fried chicken, sliced boiled-egg, *sambal*, and sliced cucumber. The caterer started to cook at 4:00 AM (30th September 2011). The packing process started at 7:00 AM and distribution at 12:00 noon. No food samples and clinical specimen from cases were available.

There are seven food handlers and none had attended food handler course. The caterer was instructed to cook at hostel kitchen as this place is more spacious.

3. MANDATORY NOTIFIABLE DISEASES REPORTED IN EPID. WEEK 41, 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																
Kuching						2			80	2	27		4						3								1
Samarahan						1					1																
Asajaya										1																	
Simunjan						1				1																	
Serian											3		1														
Sri Aman										1	2																
L/ Antu										1																	
Betong											3																
Saratok																											
Sarikei						2					8																
Meradong						1					1																
Pakan/Julau													3														
Daro										1																	
Matu																											
Dalat																											
Mukah						1					1																
Sibu										3	9							2									
Kanowit													1														
Selangau											1																
Song													1														
Kapit													8														
Belaga											10		3														
Tatau						2							2														
Bintulu						1					22																
Miri						3					4		4														
Marudi													3														
Limbang													2														
Lawas																											
TOTAL (Week 41)	0/0	0	0	0	0	14	0	0	80	10	95	0	32	0	0	0	0	0	5	0	0	0	0	0	0	0	1
Total (2011)	81/58	0	0	252	0	776	9	0	1213	325	2173	10	1372	32	186	0	0	0	111	1	1499	4	0	111	9	0	101
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 food-water borne diseases

3.1.2. Food Poisoning

One food poisoning outbreaks were reported in Epid. Week 41, 201, involving a total of 5 cases.

The cumulative total of food poisoning cases were 1,138 that consist of 48 outbreaks. Out of 48 outbreaks, 24 (50.0%) involved schools (12 primary; 12 secondary). SMK Sri Patiambun had three episodes of food poisoning outbreak this year.

3.1.3. Cholera

No case reported in Epid. Week 41, 2011.

The cumulative 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.

3.1.4. Dysentery

No case reported in Epid. Week 41, 2011.

The cumulative total of nine suspected dysentery cases were reported, but only two cases were confirmed to be *Ameabic dysentery and Shigellosis*. The others were negative for microbiology analyses.

3.1.5. Typhoid and paratyphoid fever

No cases reported in Epid. Week 41, 2011.

The cumulative total confirmed as typhoid cases were three (two typhoid and one paratyphoid) which were confirmed by stool C&S test (2) and blood C&S (1).

3.2. Surveillance report on vaccine preventable diseases

3.2.1. Measles (data derived from SM2)

No suspected measles cases were reported in Epid. Week 41, 2011.

The cumulative total of suspected measles cases was 186. Of these, only six 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.

3.2.2. Whooping Cough

No case was reported in Epid. Week 41, 2011.

Out of the cumulative total of 32 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.

3.2.3. Tetanus

No case reported in Epid. Week 41, 2011.

The cumulative total of tetanus case is remained as one. The patient was a 77 years old Chinese man from Kuching district.

3.2.4. Viral Hepatitis

No new case of acute Hepatitis C was reported in Epid. Week 41, 2011.

The cumulative total of viral hepatitis cases were 111. Of these, 58 cases were Hepatitis B where 27 were acute and 31 were chronic. Another 53 cases were Hepatitis C where 15 cases were acute and 38 were chronic.

3.3. Surveillance report on HIV/AIDS and STI

3.3.1. HIV/AIDS

No HIV case was reported in Epid. Week 41, 2011.

The cumulative total HIV cases were 81 and all were adults. The cumulative total AIDS cases were remained as 58.

3.3.2. Gonorrhoea

Ten gonorrhoea cases were reported in Epid. Week 41, 2011; from Kuching (2), Sibu (3), and each from Asajaya, Simunjan, Sri Aman, Lubok Antu and Daro district.

Out of the cumulative total of 325 cases reported, 323 were adults and only two cases confirmed as gonococcal neonatorum.

3.3.3. Syphilis

Five cases were reported in Epid. Week 41, 2011, from Kuching (3) and Sibu (2) districts.

The cumulative total of syphilis cases were 111.

3.4. Surveillance Report on TB and leprosy

3.4.1. Tuberculosis (all forms)

As at 15th October 2011, a cumulative total of 1,499 cases reported in 2011. In 2010, the total number of cases were 1,987.

3.4.2. Leprosy

No case reported in Epid. Week 41, 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).

3.5. Surveillance Report on other infectious diseases

3.5.1. Viral encephalitis

No case reported in Epid. Week 41, 2011.

The cumulative total of viral encephalitis cases were ten. Of these, two cases were confirmed *Japanese encephalitis* and eight were due to other viruses.

3.6. Other infectious diseases

3.6.1. Filariasis

One case of Filariasis was reported from Sibuh district in Epid. Week 41. The patient is a 78 years old Iban female from Rh. Belinsin, Jalan Naman, Sibuh.

Total cases for Filariasis reported up to Epid. Week 41, 2011 were 5.

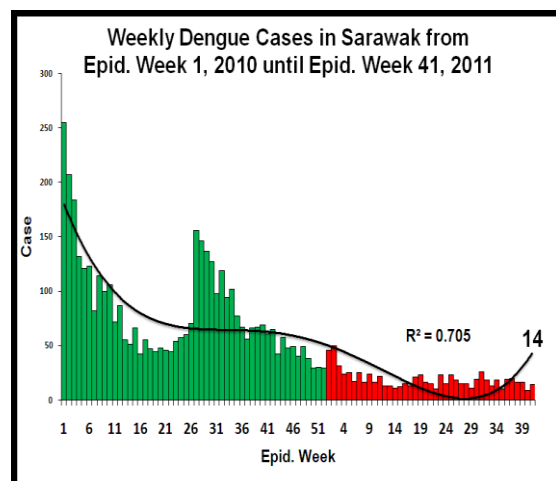
Note: Vector borne diseases and emerging and re-emerging infectious diseases will be discussed in their respective chapter.

4. VECTOR BORNE DISEASES: DENGUE, MALARIA AND CHIKUNGUNYA

4.1. Notified Dengue cases for Epid. Week 41, 2011 compared to Epid. Week 41, 2010 and cumulative cases till Epid. Week 41 in 2010.

District	2011		2010		Total
	EW 41	Cum.	EW 41	Cum.	
Lundu	0	9	1	59	69
Bau	0	23	2	111	123
Kuching	2	89	7	417	473
Samarahan	1	20	2	86	97
Asajaya	0	4	0	10	10
Serian	0	13	3	133	140
Simunjan	1	12	0	43	47
Sri Aman	0	41	0	84	96
Lubok Antu	0	20	1	43	53
Betong	0	11	0	24	30
Saratok	0	6	0	18	20
Sarikei	2	22	2	80	91
Meradong	1	12	1	49	53
Pakan	0	15	0	25	30
Julau	0	14	1	15	20
Daro	0	6	1	76	95
Matu	0	1	0	25	25
Dalat	0	2	0	10	14
Mukah	1	5	1	35	39
Sibu	0	61	14	935	1021
Kanowit	0	25	5	58	64
Selangau	0	9	2	19	32
Song	0	10	0	11	16
Kapit	0	27	3	147	158
Belaga	0	22	1	28	39
Tatau	2	34	0	28	40
Bintulu	1	91	2	208	237
Miri	3	100	7	738	816
Marudi	0	48	3	116	126
Limbang	0	18	1	110	131
Lawas	0	6	1	23	35
Sarawak	14	776	61	3764	4240

EW = Epid. Week



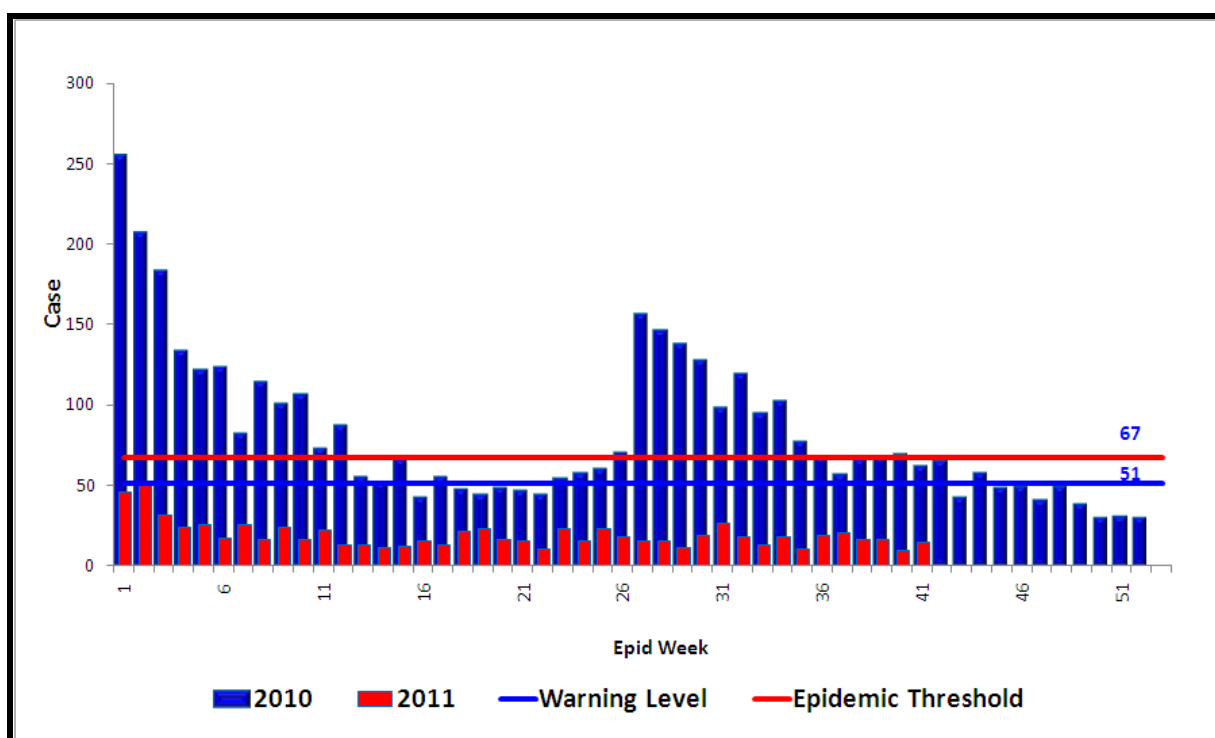
A total of 14 dengue cases were reported in Epid. Week 41 compared to 61 cases during the same period in 2010.

No outbreak and uncontrolled outbreak localities was reported.

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

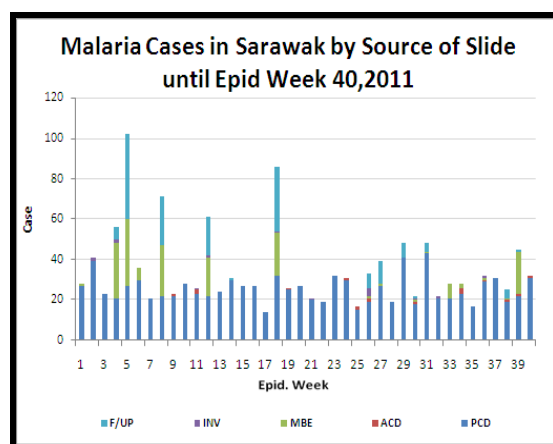
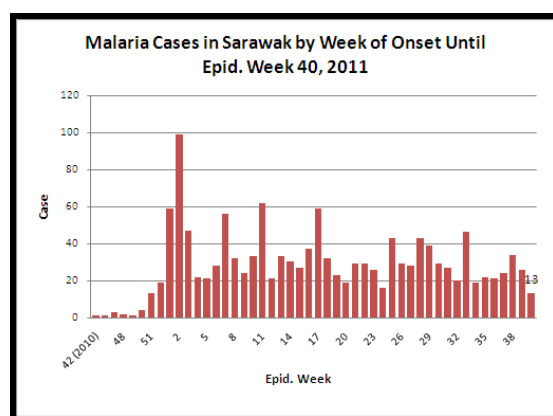
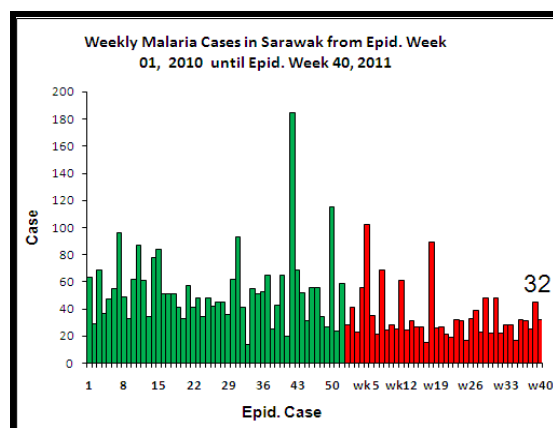
1. Miri
2. Bintulu
3. Kuching
4. Sibu
5. Marudi

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



4.2. Notified Malaria cases for Epid. Week 40, 2011 compared to Epid. Week 40, 2010 and cumulative cases till Epid. Week 40 in 2011.

District	2011		2010		Total
	EW 40	Cum.	EW 40	Cum.	
Lundu	0	29	1	65	72
Bau	0	3	0	8	9
Kuching	4	19	1	22	27
Samarahan	0	3	0	1	2
Asajaya	0	0	0	0	0
Simunjan	0	2	0	16	17
Serian	1	20	1	55	58
Sri Aman	0	14	0	18	25
Lubok Antu	0	18	0	16	16
Betong	0	33	0	8	15
Saratok	0	2	0	4	4
Sarikei	0	15	0	6	8
Meradong	0	9	0	2	3
Pakan	0	18	2	14	14
Julau	3	61	2	26	34
Daro	0	1	0	0	1
Matu	0	0	0	0	1
Dalat	0	8	1	13	14
Mukah	0	2	0	5	6
Sibu	0	34	1	32	43
Kanowit	1	61	0	51	65
Selangau	0	12	0	8	9
Song	1	55	0	35	46
Kapit	8	175	5	101	134
Belaga	3	103	3	261	300
Tatau	2	25	0	11	12
Bintulu	0	35	0	23	39
Miri	4	30	1	23	32
Marudi	3	543	46	1193	1734
Limbang	2	16	0	27	29
Lawas	0	26	1	30	33
Sarawak	32	1372	65	2074	2802



A total of 32 cases were reported in Epid. Week 40, 2011. Cumulative cases till week 40 were 1,372 cases. Of the 1,372 cases, 543 cases (39.6%) from Marudi District, 175 cases (12.7%) from Kapit District and 103 cases (7.5%) 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. Case detected by slide source

Slides source	Epid. Week 40	Epid. Week 1 – Epid. Week 40
Passive Case Detection (PCD)	31	1009
Active Case Detection (ACD)	1	16
Investigation slides (INV)	0	13
Mass Blood Survey (MBS)	0	176
Follow-up	0	158
Total	32	1372

4.2.2. Case by species

Species	Epid. Week 40	Epid. Week 1 – Epid. Week 40
<i>Plasmodium vivax</i>	14	777
<i>Plasmodium falciparum</i>	4	73
<i>Plasmodium malariae</i>	3	264
<i>Plasmodium knowlesi</i>	11	252
<i>Plasmodium ovale</i>	0	1
Mixed infection	0	5
Total	32	1372

4.2.3. Case classification

Classification	Epid. Week 40	Epid. Week 1 – Epid. Week 40
Indigenous	24	1077
*Imported A	8	179
Relapsed	0	115
Congenital	0	1
Total	32	1372

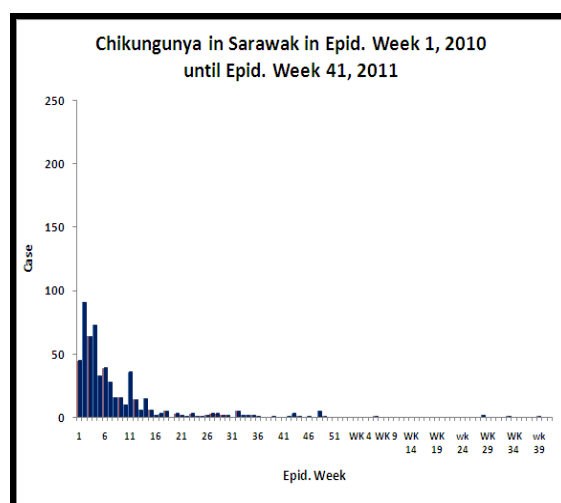
4.2.4. The source of infection of the *Imported A cases and the species involved.

No.	District reported	Source of infection	Nationality	Case (No.)	Species
1	Miri	Kpg. Bangkayan, Kapuas, Kalimantan, Indonesia.	Indonesian	1	<i>P. falciparum</i>
2		Ganghagur, Swat, Pakistan	Pakistani	1	<i>P. vivax</i>
3		West Arawi, Bonkalia Timber, Papua New Guinea	Malaysian	1	<i>P. vivax</i>
4	Marudi	Digsari, Ghaziabab, Uttar Pradesh, India	India	1	<i>P. vivax</i>
5	Kapit	KKB Atape, Atape, Papua New Guinea	Malaysian	1	<i>P. vivax</i>
6	Kuching	Daddu, Kaduna State, Nigeria	Nigerian	1	<i>P. falciparum</i>
7		Sg. Paduan Kacamatan, Kalimantan Barat, Indonesia	Malaysian	1	<i>P. vivax</i>
8		Ouaguadougou, Burkina Faso, West Africa	Malaysian	1	<i>P. falciparum</i>

4.3. Notified Chikungunya cases for Epid. Week 41, 2011 compared to Epid. Week 41, 2010 and cumulative cases till Epid. Week 41 in 2010.

District	2011		2010		
	EW 41	Cum.	EW 41	Cum.	Total
Lundu	0	0	0	1	1
Bau	0	0	0	13	13
Kuching	0	1	0	72	72
Samarahan	0	0	0	2	3
Asajaya	0	1	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	5	0	538	550

EW = Epid Week



No case of Chikungunya was reported in Epid. Week 41, 2011. The cumulative Chikungunya for 2011 were five cases.

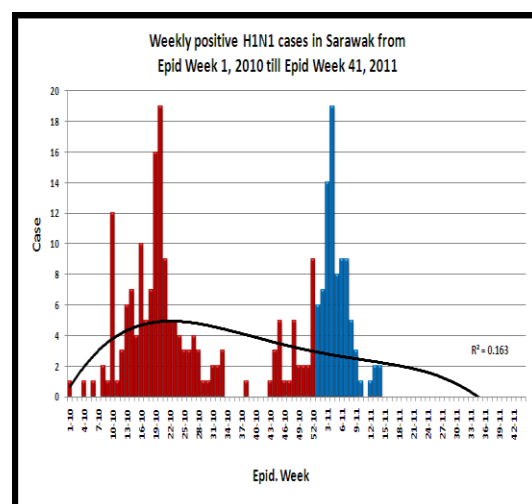
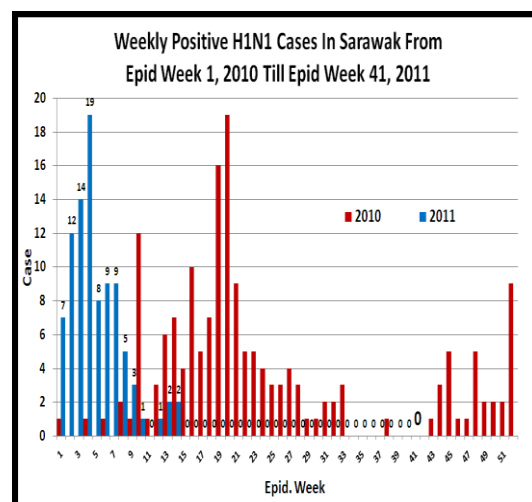
5. EMERGING/RE-EMERGING INFECTIOUS AND ZOO NOTIC DISEASES

5.1. H1N1

5.1.1 Positive Pandemic Influenza A (H1N1) cases for Epid. Week 41, 2011 compared to Epid. Week 41, 2010 and cumulative cases till Epid. Week 41 in 2011.

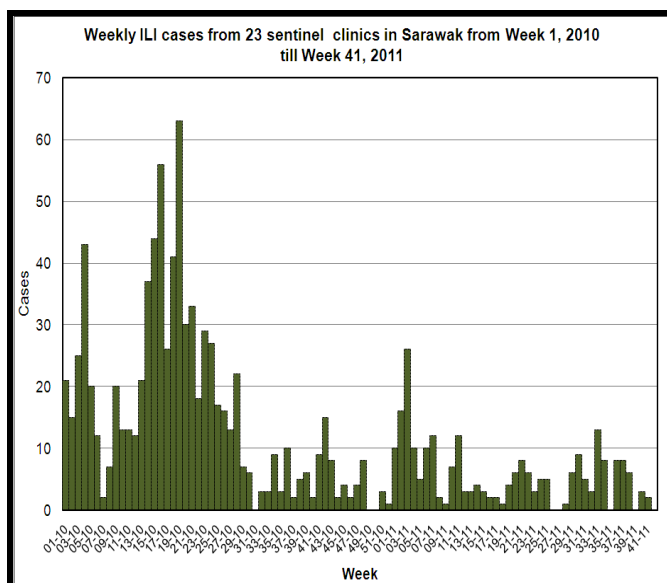
District	2011		2010		Total
	EW 41	Cum.	EW 41	Cum.	
Lundu	0	1	0	8	9
Bau	0	0	0	1	1
Kuching	0	51	0	42	61
Samarahan	0	0	0	8	8
Simunjan	0	0	0	3	4
Serian	0	0	0	2	2
Sri Aman	0	0	0	4	4
Lubok Antu	0	0	0	0	0
Betong	0	1	0	0	0
Saratok	0	0	0	0	0
Sarikei	0	0	0	2	2
Meradong	0	0	0	0	0
Julau	0	0	0	0	0
Daro	0	0	0	0	0
Dalat	0	0	0	0	0
Mukah	0	0	0	0	0
Sibu	0	1	0	19	19
Kanowit	0	0	0	1	1
Song	0	0	0	0	0
Kapit	0	1	0	1	1
Belaga	0	1	0	0	0
Tatau	0	0	0	0	0
Bintulu	0	27	0	16	19
Miri	0	6	0	7	7
Marudi	0	0	0	1	1
Limbang	0	2	0	21	20
Lawas	0	1	0	2	2
TOTAL	0	92	0	138	161

EW = Epid. Week



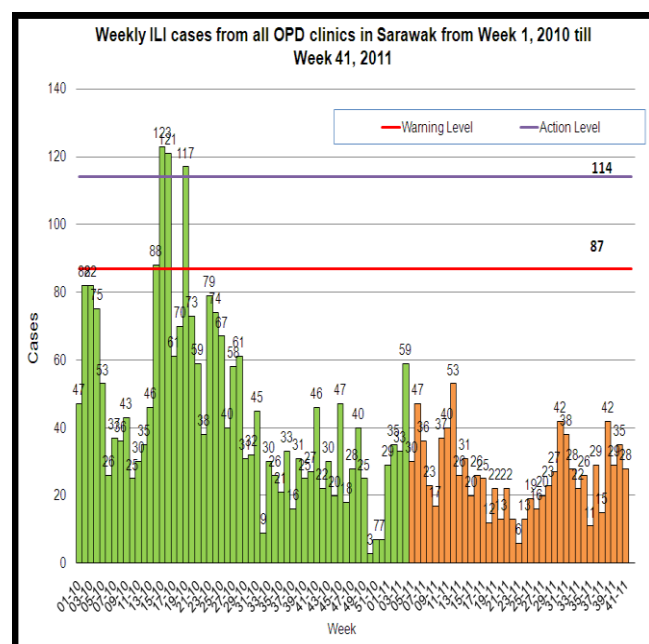
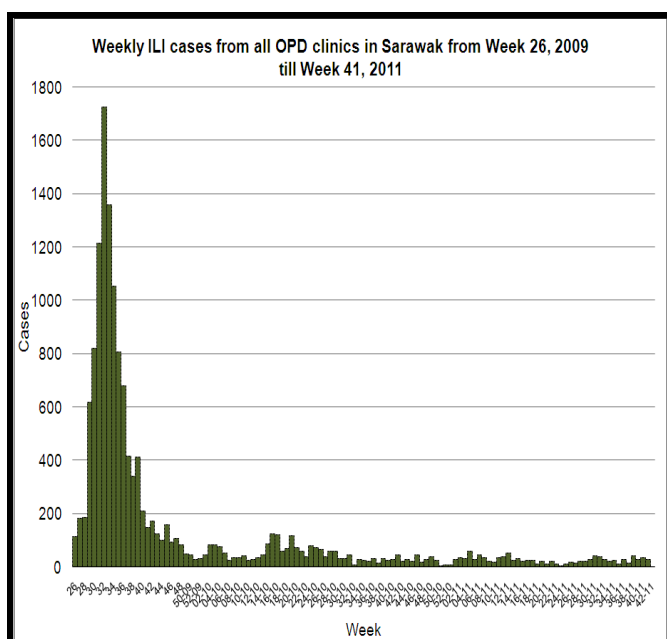
No H1N1 positive case was reported in Epid. Week 41, 2011. The cumulative total cases in 2011 were 92 cases compared to 138 cases reported during the same period in 2010.

5.1.2 Outpatient Influenza-Like Illness (ILI) Surveillance from Epid. Week 1 in 2010 till Epid. Week 41 in 2011.



In Epid. Week 41, 2011, two ILI cases were reported from 23 Sentinel clinics and all OPD clinics.

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).



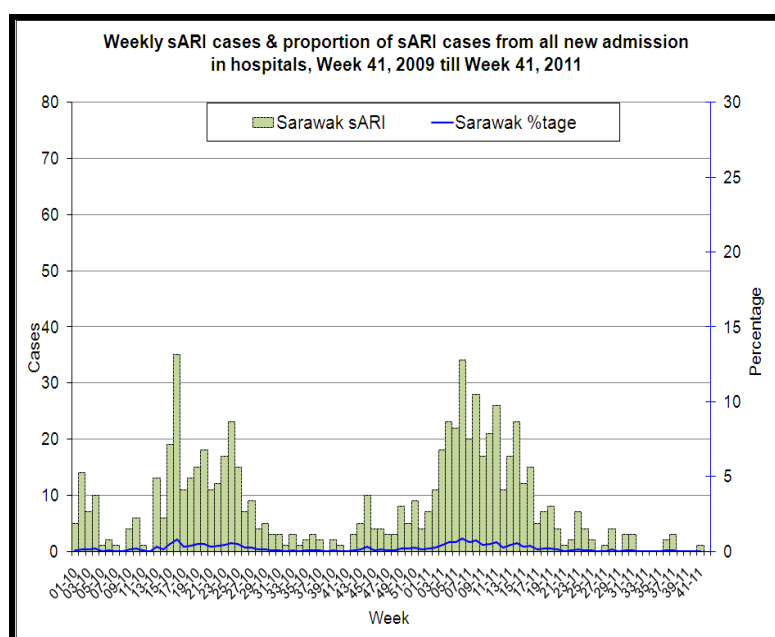
Referring to a letter dated 25 January 2011 from Office of the Deputy Director-General of Health (Public Health), Department of Public Health, Ministry of Health Malaysia about **PEMANTAUAN AKTIVITI H1N1 SECARA BERTERUSAN**, all PKB/PKD must send their daily H1N1 report as well as ILI and sARI surveillance 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 15th October 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 15th October 2011.

Division	Hospital	New EW 41	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

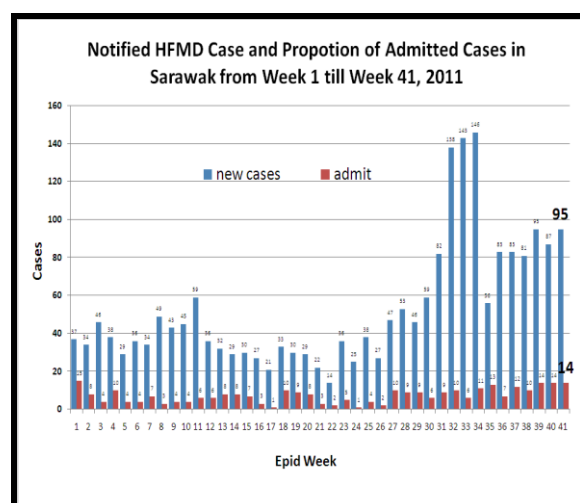
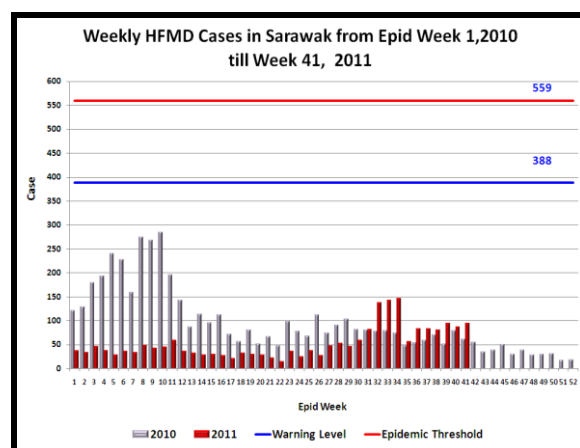
EW = Epid. Week

No sARI admission was reported in Epid. Week 41, 2011.

5.2. Notified HFMD cases for Epid. Week 41, 2011 compared to Epid. Week 41, 2010 and cumulative cases till Epid. Week 41 in 2011.

District	2011		2010		Total 2010
	EW 41	Cum.	EW 41	Cum.	
Kuching	27	388	14	913	961
Bau	2	71	1	208	209
Lundu	1	21	2	70	86
KUCHING	30	480	17	1191	1256
Samarahan	1	97	0	126	127
Asajaya	0	26	0	5	7
Simunjan	0	17	0	35	37
Serian	3	25	1	25	25
SAMARAHAN	4	165	1	191	196
Sri Aman	2	87	1	139	145
Lubok Antu	0	12	0	23	23
SRI AMAN	2	99	1	162	168
Betong	3	39	1	83	103
Saratok	0	30	0	38	38
BETONG	3	69	1	121	141
Sarikei	8	148	0	198	206
Meradong	1	65	0	54	55
Pakan	0	4	0	37	37
Julau	0	3	0	21	24
SARIKEI	9	220	0	310	322
Daro	0	0	0	24	24
Matu	0	2	0	19	20
Mukah	1	43	5	246	259
Dalat	0	18	0	108	108
MUKAH	1	63	5	397	411
Sibu	9	109	3	490	517
Selangau	1	6	1	12	17
Kanowit	0	22	0	44	44
SIBU	10	137	4	546	578
Kapit	0	50	4	113	116
Song	0	11	0	29	29
Belaga	10	25	0	10	10
KAPIT	10	86	4	152	155
Bintulu	22	612	6	541	629
Tatau	0	25	1	20	28
BINTULU	22	637	7	561	657
Miri	4	166	21	807	911
Marudi	0	40	0	92	105
MIRI	4	206	21	899	1016
Limbang	0	8	0	54	54
Lawas	0	3	0	53	56
LIMBANG	0	11	0	107	110
SARAWAK	95	2173	61	4637	5010

EW = Epid. Week



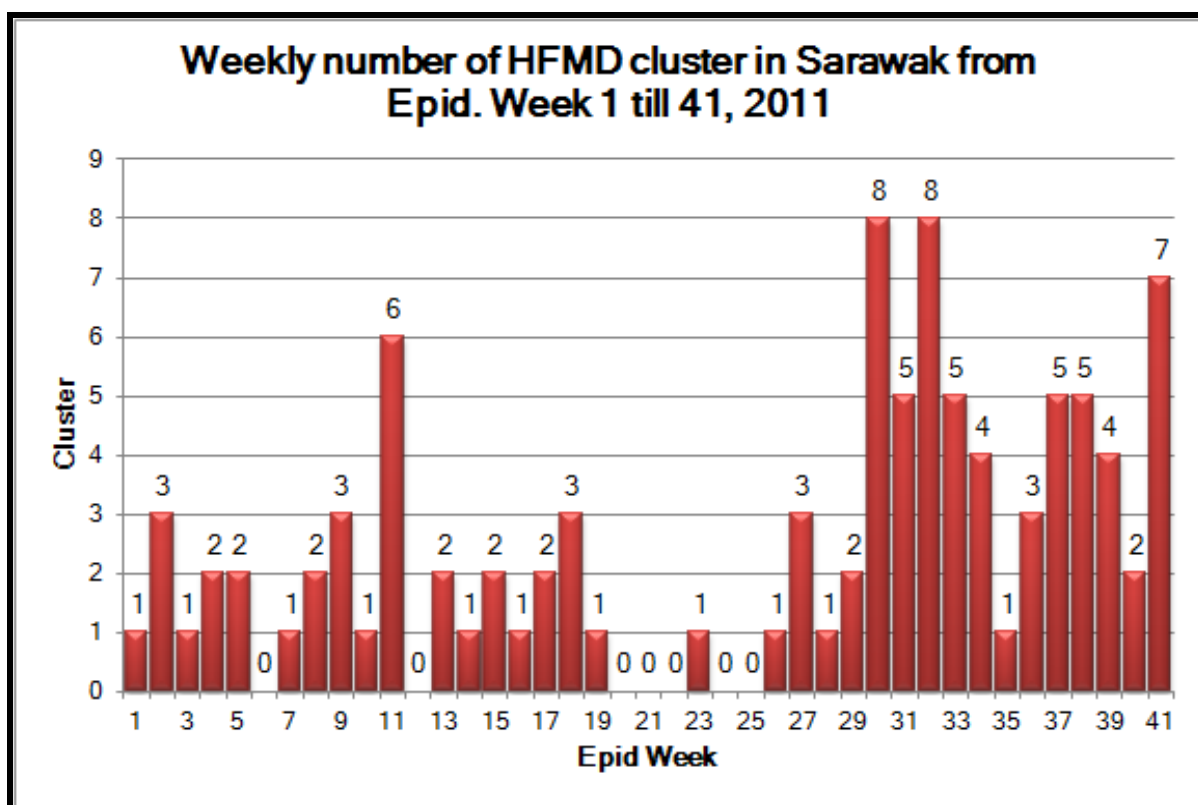
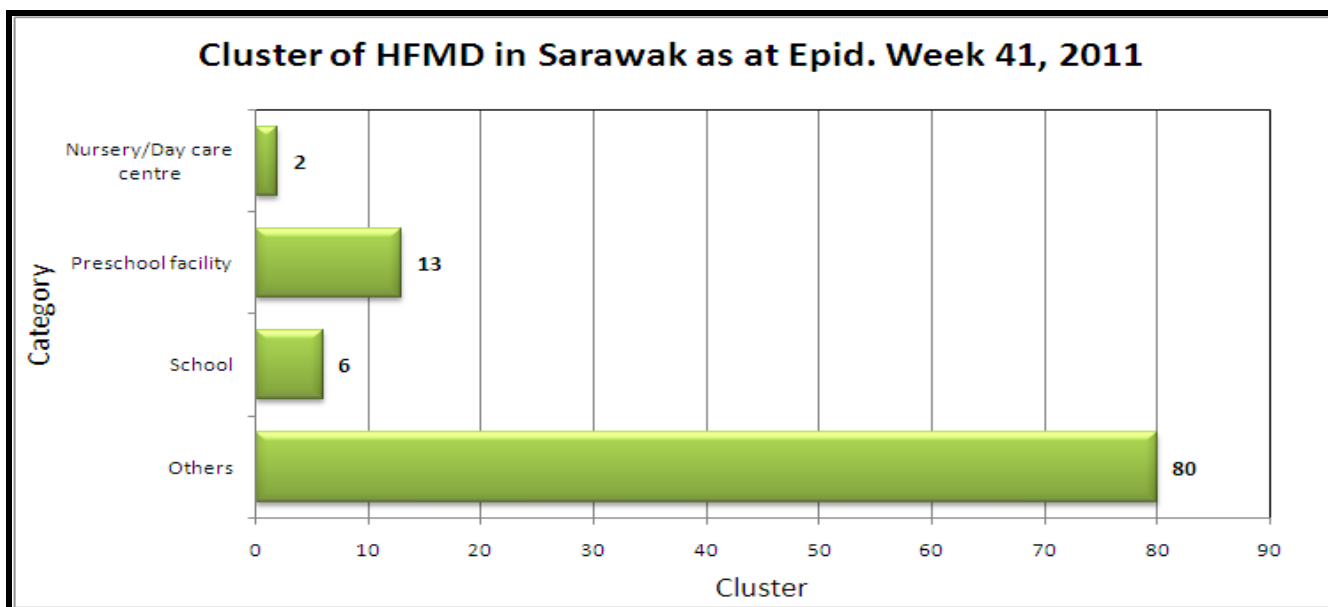
A total of 95 cases were reported in Epid. Week 41, 2011.

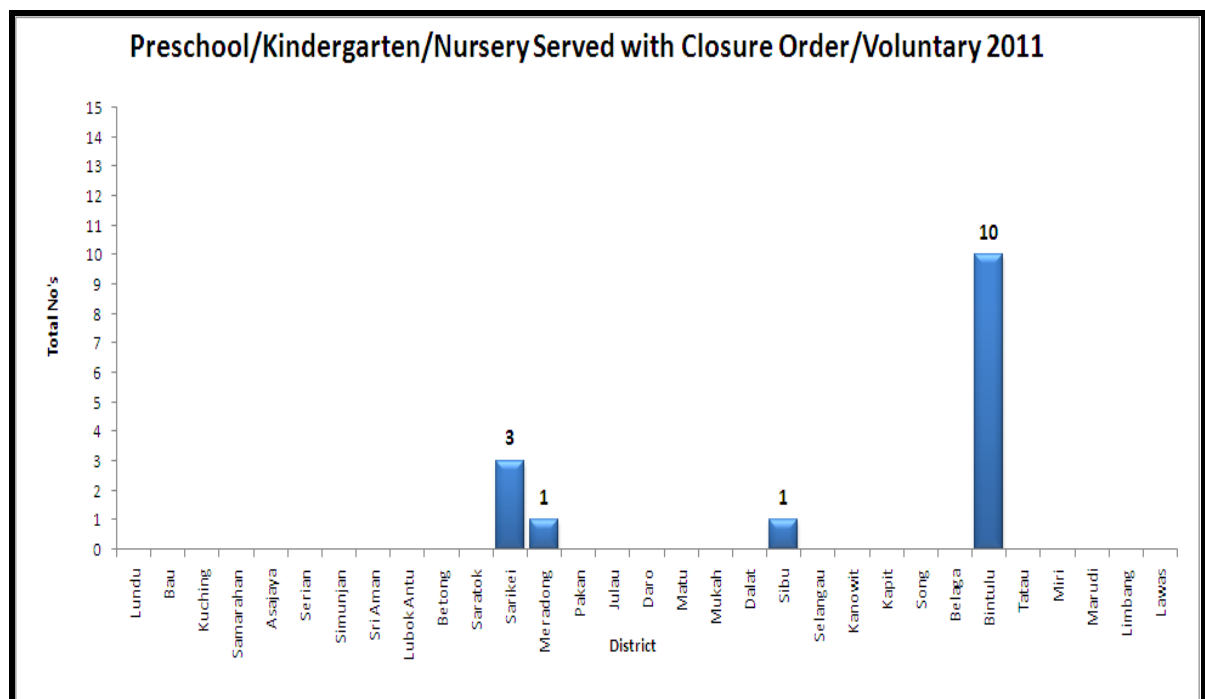
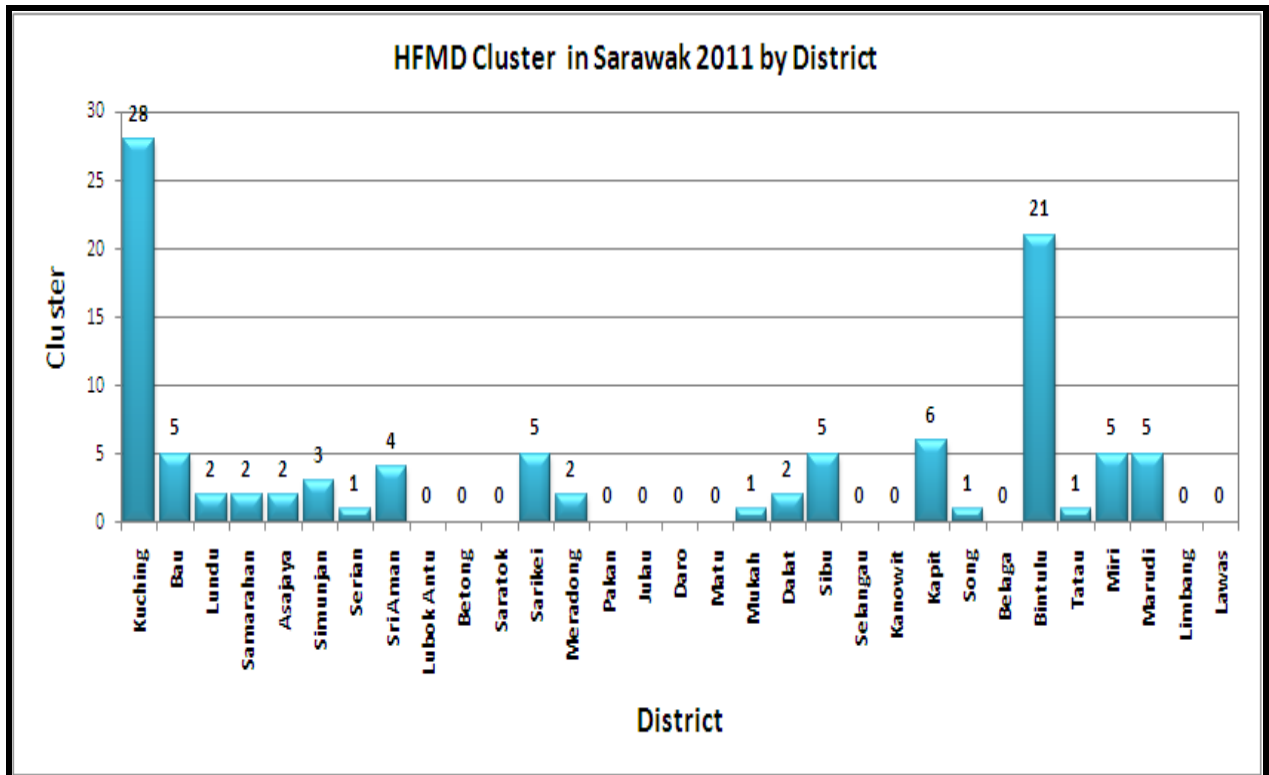
A cumulative total of 2,173 cases reported compared to 4,637 cases during the same period in 2010.

5.2.1. Cumulative HFMD Clusters as of 15th October 2011.

Seven HFMD clusters reported in Epid. Week 41, 2011 involved one preschool at Bintulu district and six family clusters at Sarikei (2) dan Kuching (4) district.

As at 15th October 2011, a total of 101 clusters reported. Of these, 80 (79.21%) were family cluster, 13 (12.87%) were cluster in preschool facilities, six (5.94%) were in school and two (1.98%) was in *nursery* or day care centre.





5.3. Notified Leptospirosis cases for Epid. Week 41, 2011 compared to Epid. Week 41, 2010 and cumulative cases till Epid. Week 41 in 2011.

District	Case classification (positive)				Total positive leptospirosis	
	Confirmed		Probable		2011	2010
	EW 41/2011	EW 41/2010	EW 41/2011	EW 41/2010		
Bau	0	0	0	0	0	1
Lundu	0	0	0	0	0	0
Kuching	0	0	1	0	25	12
Asajaya	0	0	0	0	3	0
Samarahan	0	0	0	0	4	1
Serian	0	0	0	0	5	2
Simunjan	0	0	0	0	3	1
Sri Aman	0	0	0	0	7	1
Lubok Antu	0	0	0	0	6	3
Betong	0	0	0	0	4	0
Saratok	0	0	0	0	5	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	1	0	0	2	6
Kanowit	0	0	0	0	2	1
Selangau	0	0	0	0	2	0
Song	0	0	0	0	0	2
Kapit	0	0	0	0	9	1
Belaga	0	0	0	0	4	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	1	0	101	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

District indicate source of infection based on patient's recent travelling history (suspected), current place of residence or workplace

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 41, 2011 compared to Epid. Week 41, 2010 and cumulative cases till Epid. Week 41 in 2011.

District	Blood test result				Total positive	
	Positive				2011	2010
	Culture		Serology			
	EW 41/2011	EW 41/2010	EW 41/2011	EW 41/2010		
Bau	0	0	1	0	2	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	3	48	162
Belaga	0	0	0	0	13	28
Tatau	0	1	0	0	4	14
Bintulu	0	0	0	0	5	49
Miri	0	0	0	0	3	35
Marudi	0	0	0	0	1	7
Limbang	0	0	0	0	0	2
Lawas	0	0	0	0	0	1
Total	0	1	1	3	92	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.

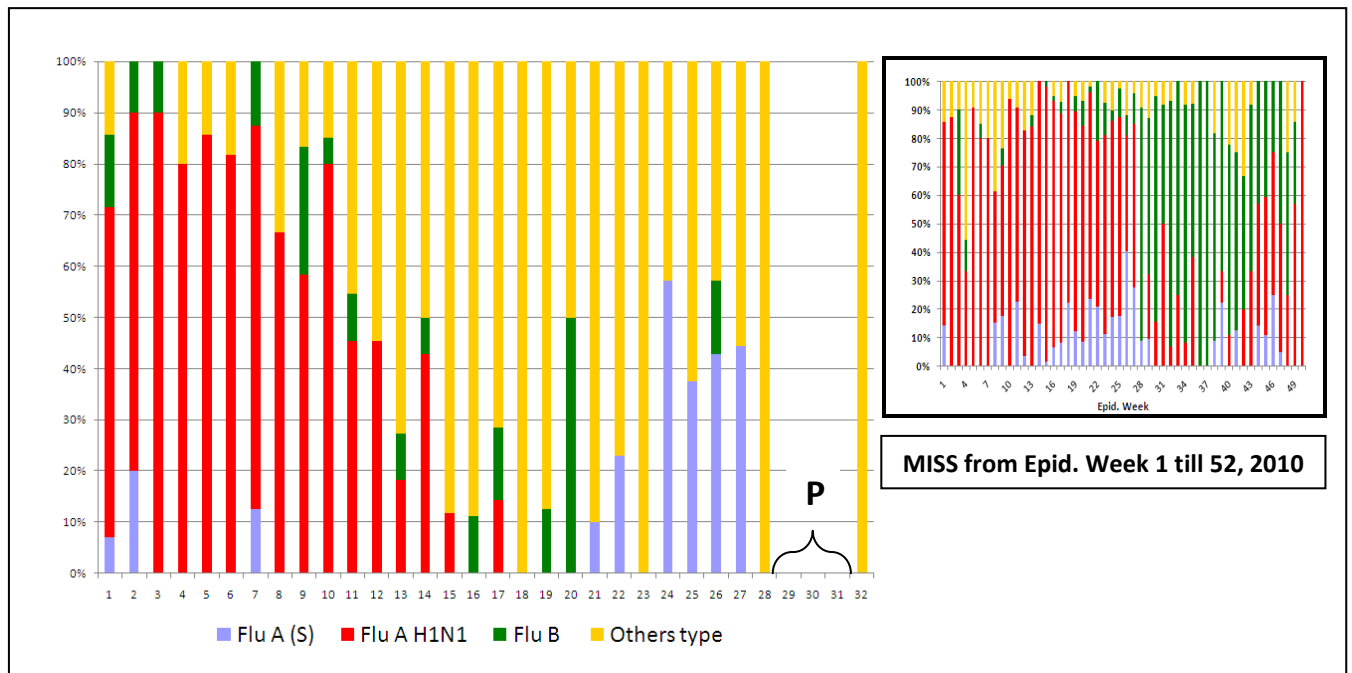
5.4.1. Locality of melioidosis outbreak in Sarawak as at 15th October 2011.

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

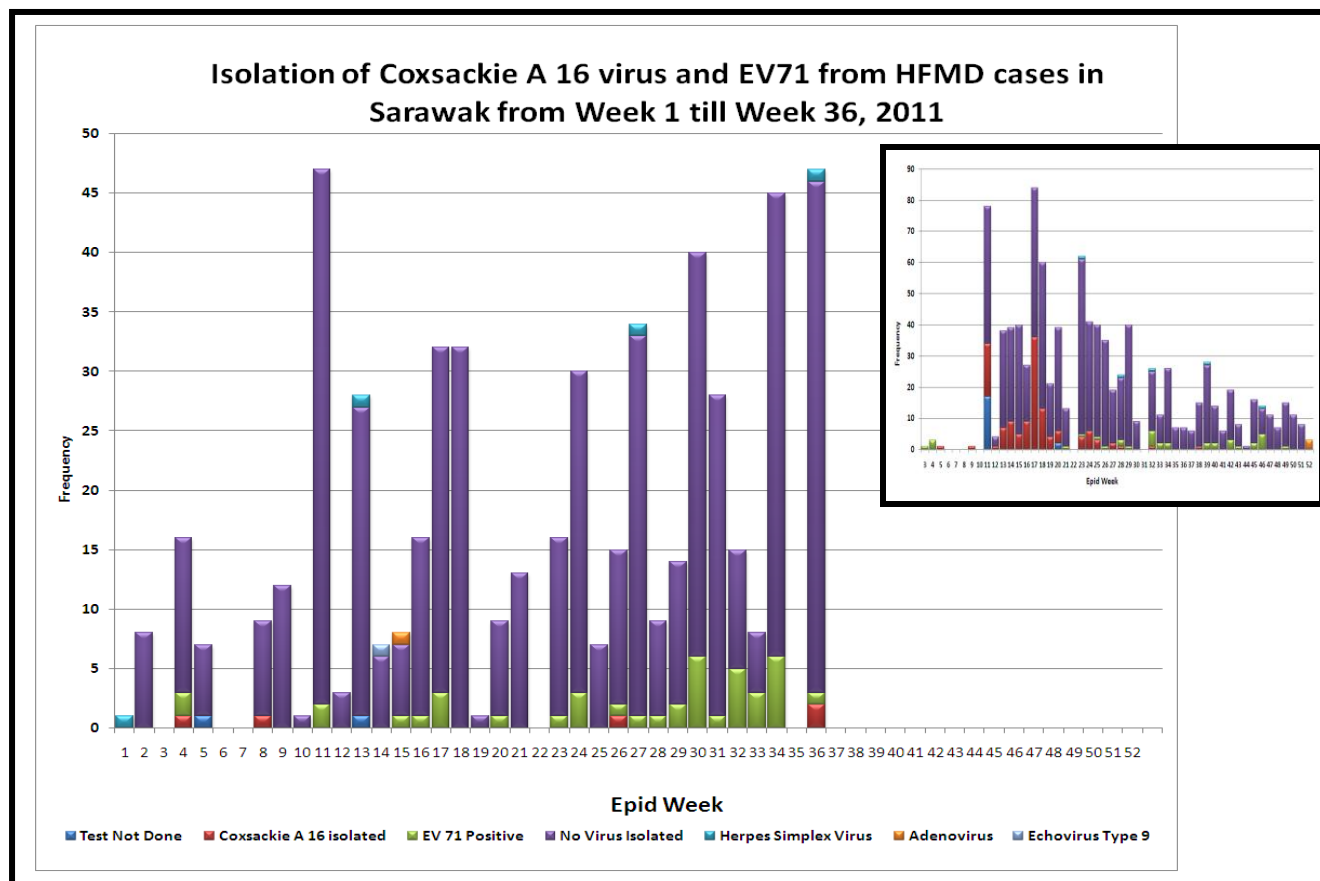
In Malaysia, as at Epid. Week 39, 2011, a total of 3,556 serum specimens for serology test were sent to MKAK Sg. Buloh. Of these, 1,077 were positive for IgM Measles and 298 positive for Rubella.

As at Epid. Week 29, 2011, 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).

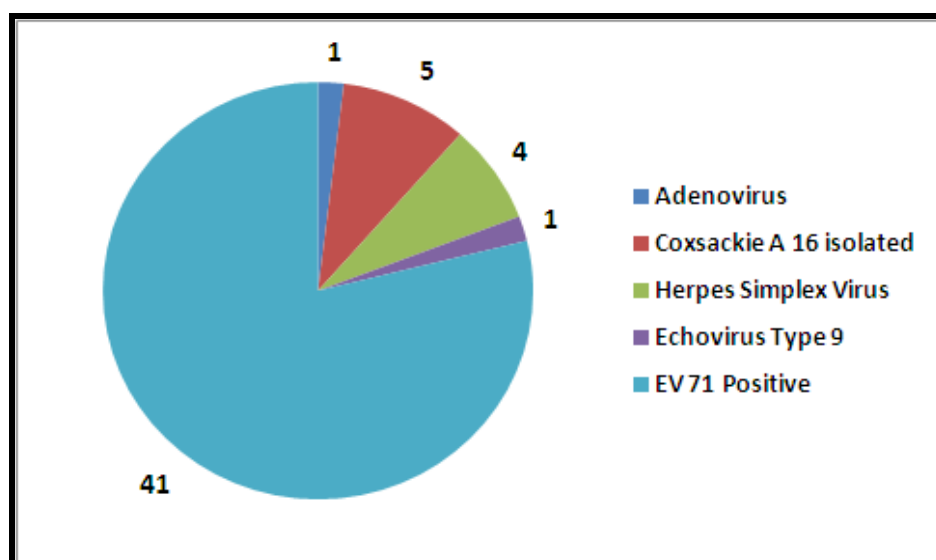
As at Epid Week 39, 2011, Sarawak had been sent 205 specimens for serology test. Six specimens positive for measles IgM and 37 positive for rubella IgM.

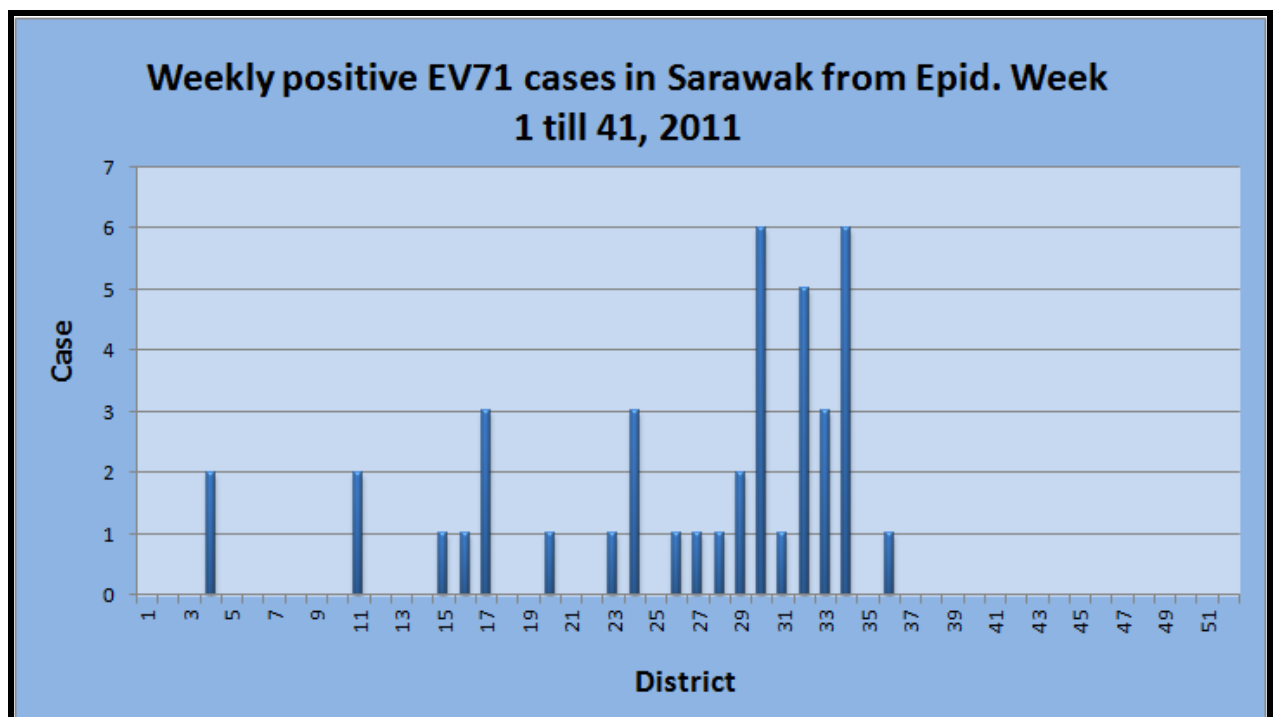
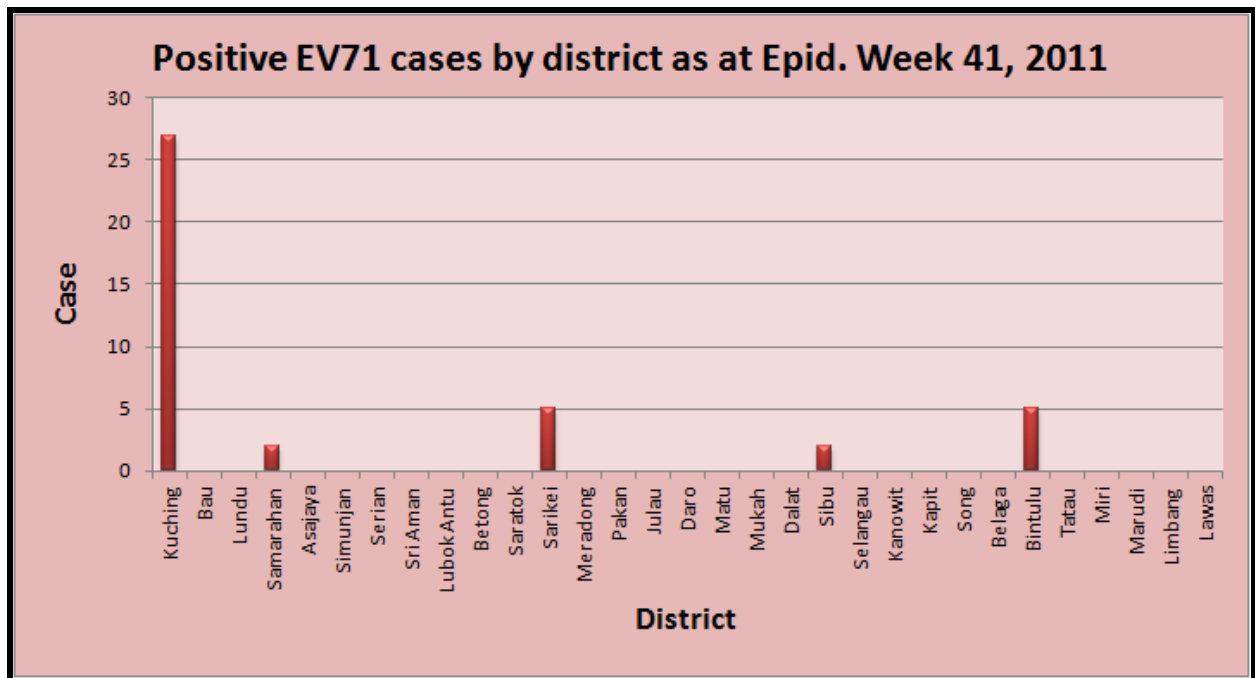
As at Epid. Week 29, 2011, only 12 specimens for measles viral isolation from Sarawak were sent to MKAK Sg. Buloh but so far none were positive.

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



In Sarawak, as at Epid. Week 36, 2011, a total of 375 specimens were sent to MKAK Sg. Buloh for viral isolation. Of these, 48 specimens isolated viruses: EV71 (41), Coxsackie A16 (5), Herpes Simplex (HSV 1) [4], 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 15th October 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
13	Pegawai Kesihatan Bahagian Limbang Dr. Norliza Binti Jusoh	Pejabat Kesihatan Bahagian, Bahagian Limbang, Jln Pendaruan, 98700 Limbang	norlizaj@srwk.moh.gov.my	Tel:085-211046 Fax:085-211116 Hp: 013 – 8163163

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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.