



SARAWAK

WEEKLY EPID NEWS

Sarawak Health Department

WEEK 02

8th – 14th January 2012

INFECTIOUS DISEASE/CRISIS HIGHLIGHTS IN SARAWAK

In. Epid. Week 2, 2012, Sarawak Health Department received reports of two suspected measles outbreaks from Bintulu district and four HFMD clusters involving a kindergarten from Serian district and families cluster each from Kuching, Bintulu and Belaga districts.

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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	Measles	Bintulu	Kilang GT Plywood, Kemena Industrial Area	2	13.01.2012
2			Ladang SPI, Simalajau	3	13.01.2012
3	HFMD	Kuching	*Lorong 26, RPR Batu Kawa	2	02.01.2012
4		Bintulu	*Rh. Nyipa, Kuala Pandan, Sebauh	4	02.01.2012
5		Serian	Tadika Darul Falah, Sg. Bedup	3	08.01.2012
6		Belaga	Blok D, Uma Daro	2	09.01.2012

* Late notification to CPRC Sarawak Health Department.

There were six outbreaks were reported in Epid. Week 2, 2012 to Sarawak Health Department.

2.1. Preliminary report on measles outbreak at Kilang GT Plywood, Kemena Industrial Area, Bintulu.

Bintulu Divisional Health Office was notified about a suspected measles outbreak involved two family members (uncle and niece) at Flat F1, GT Plywood on 13/1/2012. The first case (33 / Iban / male) had the onset of illness on 29/12/2011 and diagnosed as viral fever by OPD, Bintulu Hospital. He had fever, rashes, cough, and conjunctivitis. The second case is a seven years old Iban girl had the onset on 9/1/2012 with similar symptoms; was notified by a GP in Bintulu. She had history of MMR vaccination at one year old. The team is planning to do ACD, taking blood specimens from the cases, and mopping up activities on 16/1/2012.

2.2. Preliminary report on measles outbreak at Ladang SPI, Simalajau, Bintulu.

Bintulu Divisional Health Office was notified about the second suspected measles outbreak involved three Indonesian children at Ladang SPI, Jalan Similajau on 13/1/2012 by a GP (Yong Clinic). The first case (4 years old boy) had the onset of illness on 8/1/2012 and diagnosed as measles by a another GP (Bintulu Clinic) on 10/1/2012. He had fever, rashes, cough, coryza, and conjunctivitis but not notified to Bintulu DHO. The second case is a 4 months old boy had similar illness with the onset on 10/1/2012 but was not seen by any doctor. The third case, a 4 years old girl with onset on 11/1/2012 was treated by GP from the Yong Clinic. The vaccination status of these children were unknown. The team is planning to do ACD, taking blood specimens from the cases, mass vaccination, and mopping up activities on 16/1/2012.

3. MANDATORY NOTIFIABLE DISEASES REPORTED IN EPID. WEEK 2, 2012

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	1																				
Kuching						2					8																
Samarahan																											
Asajaya																											
Simunjan																											
Serian											3																
Sri Aman						2							1														
L/ Antu																											
Betong						1					1		1														
Saratok											2																
Sarikei											1																
Meradong							1				1																
Pakan/Julau											1		3														
Daro																											
Matu																											
Dalat											1		1									1					
Mukah																											
Sibu						2							1														
Kanowit						1																					
Selangau													1														
Song																											
Kapit						3					2		8														
Belaga						1					3		2														
Tatau						1																					
Bintulu											9				5												
Miri						3					10																
Marudi													3														
Limbang											1		2														
Lawas											2																
TOTAL (Week 1)	0/0	0	0	0	0	17	2	0	0	0	45	0	24	0	5	0	0	0	0	0	0	1	0	0	0	0	0
Total (2012)	0/0	0	0	0	0	27	2	0	1326	445	96	20	24	37	14	0	0	0	1	1	1707	1	0	0	0	0	0
Total (2011)	160/80	0	0	252	0	974	9	0	1323	445	3170	25	1761	37	335	0	0	0	194	1	1707	6	0	137	25	0	186
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. Summary of total number of food-water borne diseases in Sarawak from Epid. Week 1 till Epid. Week 2, 2012

Division	Food poisoning outbreak	Dysentery		Typhoid & paratyphoid fever		Cholera	Hepatitis A	
		S	C	S	C		S	C
Kuching	0	1	0	0	0	0	0	0
Samarahan	0	0	0	0	0	0	0	0
Sri Aman	0	0	0	0	0	0	0	0
Betong	0	0	0	0	0	0	0	0
Sarikei	0	1	0	0	0	0	0	0
Sibu	0	0	0	0	0	0	0	0
Kapit	0	0	0	0	0	0	0	0
Mukah	0	0	0	1	0	0	0	0
Bintulu	0	0	0	0	0	0	0	0
Miri	0	0	0	0	0	0	0	0
Limbang	0	0	0	0	0	0	0	0
Sarawak	0	2	0	1	0	0	0	0

Note: S = suspected; C = confirmed

3.1.3. Food Poisoning

No food poisoning outbreak reported in Epid. Week 2, 2012.

3.1.4. Cholera

No case reported in Epid. Week 2, 2012.

3.1.5. Dysentery

Two suspected dysentery cases were reported in Epid. Week 2, 2012 from Bintangor and Bau districts but laboratory tests for stool C&S and stool FEME were negative.

3.1.6. Typhoid and paratyphoid fever

One suspected case of typhoid was reported in Epid. Week 2, 2012 for Dalat district but blood C&S was negative and no stool C&S was taken.

3.2. Surveillance report on vaccine preventable diseases

3.2.1. Summary of total number of Vaccine Preventable Diseases by division from Epid. Week 1 till Epid. Week 2, 2012

Division	Diphtheria		Suspected (registered cases in SM2)	Measles			Rubella	Polio		Tetanus		Pertussis		Hepatis B		Hepatis c	
	S	C		Confirmed			Lab. Confirmed	S	C	S	C	S	C	Acute	Chronic	Acute	Chronic
				Lab. Confirmed	Clinically Confirmed	Epid. Link											
KUCHING	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SAMARAHAN	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SRI AMAN	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BETONG	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SARIKEI	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SIBU	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KAPIT	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MUKAH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BINTULU	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIRI	0	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0	29
LIMBANG	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SARAWAK	0	0	23	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Note: S = suspected; C = confirmed

3.2.2. Notified suspected measles cases (sporadic) in Epid. Week 2, 2012

District	Case summary
Bau (1 case)	<p>Locality: Kg Jugan</p> <ul style="list-style-type: none"> ➤ 9 m.o / Bidayuh / female ➤ Symptoms: <ul style="list-style-type: none"> ○ Fever: 7/1/2012 ○ Rashes: 10/1/2012 ➤ Blood specimen: 12/1/2012 ➤ Diagnosed on: 12/1/2012 ➤ Notified on: 13/1/2012 ➤ Investigated on: 13/1/2012 ➤ Contacts: no symptoms ➤ Travelling history: nil of significant ➤ MMR vaccination status: not eligible
Kuching (1 case)	<p>Locality: Lucky Drive, Jln Ban Hock</p> <ul style="list-style-type: none"> ➤ 59 y.o / Chinese / male ➤ Notified on: 12/1/2012 ➤ Registered in SM2 but not investigated yet
Sri Aman (2 cases)	<p>Locality 1: Rh Nudong, Skrang</p> <ul style="list-style-type: none"> ➤ 5 m.o / Iban / male ➤ Symptoms: <ul style="list-style-type: none"> ○ Fever: 7/1/2012 ○ Rashes: 9/1/2012 ○ Cough ➤ Blood specimen: 9/1/2012 ➤ Diagnosed on: 9/1/2012 ➤ Notified on: 9/1/2012 ➤ Investigated on: 13/1/12 (more than 48 hours) ➤ Contacts: no symptoms ➤ Travelling history: nil of significant ➤ MMR vaccination status: not eligible <p>Locality 2: Tmn Desa Indah</p> <ul style="list-style-type: none"> ➤ 25 y.o / Malay / male ➤ Symptoms: <ul style="list-style-type: none"> ○ Fever: 8/1/2012 ○ Rashes: 10/1/2012 ○ Cough, coryza, and conjunctivitis ➤ Blood specimen: 12/1/2012 ➤ Diagnosed on: 10/1/2012 ➤ Notified on: 10/1/2012 ➤ Investigated on: 11/1/2012 ➤ Travelling history: nil of significant ➤ MMR vaccination status: not known

District	Case summary
Bintulu (1 case)	Rh Ningkan, Sg Setiam <ul style="list-style-type: none"> ➤ 6 y.o / Iban / female ➤ Symptoms: <ul style="list-style-type: none"> ○ Fever: 7/1/2012 ○ Rashes: 8/1/2012 ○ Cough, and conjunctivitis ➤ Blood, throat swab, and urine specimen: 9/1/2012 ➤ Diagnosed on: 9/1/2012 ➤ Notified on: 9/1/2012 ➤ Investigated on: 11/1/2012 ➤ Travelling history: nil of significant ➤ MMR vaccination status: not given
Miri (6 cases)	Locality 1: Hollystone Shin Yang, Kuala Baram <ul style="list-style-type: none"> ➤ 6 y.o / Orang Ulu / female ➤ Notified on: 12/1/2012 ➤ Not registered in SM2 Locality 2: Pujut 5D <ul style="list-style-type: none"> ➤ 17 y.o / Chinese / female ➤ Notified on: 12/1/2012 ➤ Not registered in SM2 Locality 3: Tmn Ceria, Permy Jaya <ul style="list-style-type: none"> ➤ 6 y.o / Iban / female ➤ Notified on: 11/1/2012 ➤ Not registered in SM2 Locality 4: Kg Sg Rait, Baram <ul style="list-style-type: none"> ➤ 8 m.o / Iban / male ➤ Notified on: 11/1/2012 ➤ Not registered in SM2 Locality 5: Pakma 9, Jln Miri-Lutong <ul style="list-style-type: none"> ➤ 11 m.o / Malay / female ➤ Notified on: 12/1/2012 ➤ Not registered in SM2 Locality 6: Kg Lereng Bukit <ul style="list-style-type: none"> ➤ 13 y.o / Malay / male ➤ Notified on: 12/1/2012 ➤ Not registered in SM2

Highlighted in red = targets for Measles Elimination Programme indicators are not achieved

3.3. Surveillance report on HIV/AIDS and STI

3.3.1. HIV/AIDS

No HIV case reported in Epid. Week 2, 2012.

3.3.2. Gonorrhoea

No case reported in Epid. Week 2, 2012. The cumulative total of reported case in 2012 is remained as two.

3.3.3. Syphilis

No case reported in Epid. Week 2, 2012. The cumulative total of reported case in 2012 is remained as one.

3.4. Surveillance Report on TB and leprosy

3.4.1. Tuberculosis (all forms)

No case of tuberculosis (all forms) reported in Epid. Week 2, 2012. As at 14th January 2012, the cumulative total of reported cases is 15. Out of 15 cases, one is foreigner.

3.4.2. Leprosy

No case reported in Epid. Week 2, 2012.

3.5. Surveillance Report on other infectious diseases

3.5.1. Viral Encephalitis

No viral encephalitis reported in Epid. Week 2, 2012.

3.6. Other infectious diseases

3.6.1. Filariasis

No case of filariasis reported in Epid. Week 2, 2012.

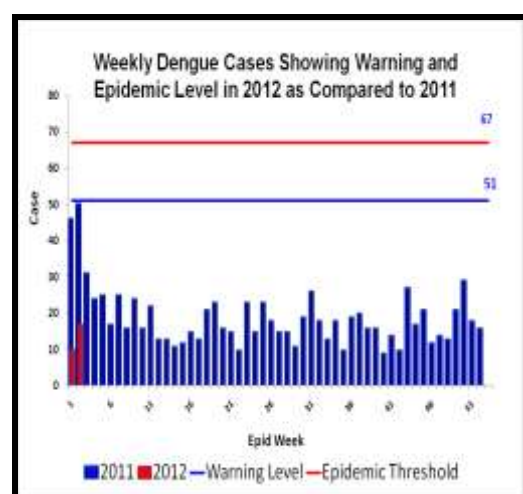
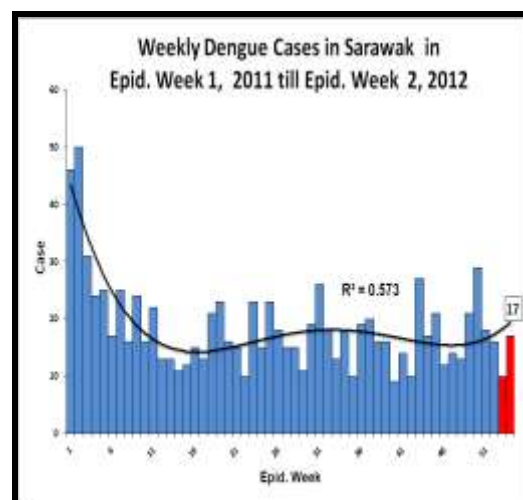
Note: Vector borne diseases and emerging and re-emerging infectious diseases will be discussed in their respective chapter.

4. VECTOR BORNE DISEASES: DENGUE, MALARIA AND CHIKUNGUNYA

4.1. Notified Dengue cases for Epid. Week 2, 2012 compared to Epid. Week 2, 2011 and cumulative cases until Epid. Week 2, 2012.

District	2012		2011		Total
	EW 2	Cum.	EW 2	Cum.	
Lundu	0	2	0	1	10
Bau	1	1	3	5	36
Kuching	2	3	3	6	106
Samarahan	0	1	2	2	21
Asajaya	0	0	0	0	4
Serian	0	0	1	3	18
Simunjan	0	0	3	5	19
Sri Aman	2	2	1	3	56
Lubok Antu	0	1	1	2	23
Betong	1	1	0	0	13
Saratok	0	0	0	0	11
Sarikei	0	1	1	1	28
Meradong	0	1	1	1	14
Pakan	0	0	1	1	23
Julau	0	0	0	0	17
Daro	0	0	2	3	6
Matu	0	0	0	0	1
Dalat	0	0	0	1	3
Mukah	0	0	1	1	5
Sibu	2	2	13	21	75
Kanowit	1	1	0	2	31
Selangau	0	0	2	2	10
Song	0	1	0	1	10
Kapit	3	3	2	5	32
Belaga	1	1	0	1	27
Tatau	1	1	0	2	47
Bintulu	0	0	4	9	100
Miri	3	5	7	12	134
Marudi	0	0	2	5	59
Limbang	0	0	0	0	20
Lawas	0	0	0	1	15
Sarawak	17	27	50	96	974

EW = Epid. Week; Cum. = cumulative figure

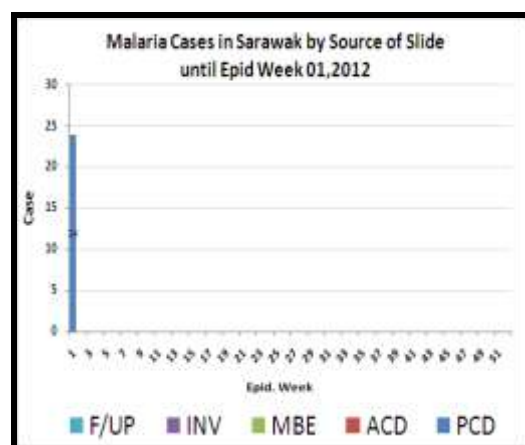
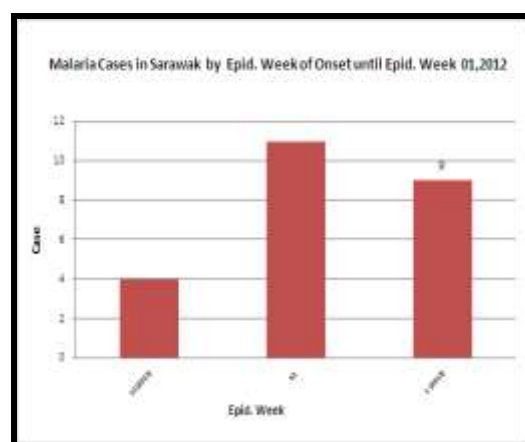
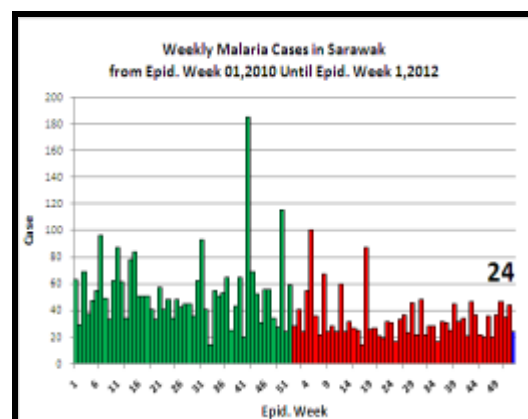


A total of 17 dengue cases reported in Epid. Week 2, 2012 compared to 50 cases during the same period in 2011.

No outbreak reported.

4.2. Notified Malaria cases for Epid. Week 1, 2012 compared to Epid. Week 1, 2011 and cumulative cases on Epid. Week 1 in 2012.

District	2012		2011		Total
	EW 1	Cum.	EW 1	Cum.	
Lundu	0	0	1	1	33
Bau	0	0	0	0	5
Kuching	0	0	0	0	23
Samarahan	0	0	0	0	3
Asajaya	0	0	0	0	1
Serian	0	0	0	0	21
Simunjan	0	0	0	0	2
Sri Aman	1	1	0	0	17
Lubok Antu	0	0	1	1	25
Betong	1	1	1	1	47
Saratok	0	0	0	0	3
Sarikei	0	0	0	0	16
Meradong	0	0	0	0	9
Pakan	2	2	0	0	29
Julau	1	1	3	3	69
Daro	0	0	0	0	2
Matu	0	0	0	0	2
Dalat	1	1	0	0	10
Mukah	0	0	0	0	2
Sibu	1	1	0	0	52
Kanowit	0	0	1	1	89
Selangau	1	1	0	0	16
Song	1	1	2	2	78
Kapit	8	8	11	11	230
Belaga	2	2	4	4	139
Tatau	0	0	0	0	34
Bintulu	0	0	1	1	39
Miri	0	0	0	0	40
Marudi	3	3	3	3	670
Limbang	2	2	0	0	21
Lawas	0	0	0	0	34
Sarawak	24	24	28	28	1761



A total of 24 cases reported in Epid. Week 1, 2012. Out of the 24 cases, 8 cases (33.0%) from Kapit District, 3 cases (12.5%) from Marudi District and 2 cases each (8%) from Belaga, Limbang and Pakan District.

Notes: 1) EW = Epid. Week; Cum. = cumulative figure; **2) All Malaria cases should be notified within 24 hours (Source: Vector Borne Disease Control Section, Sarawak Health Department)**

4.2.1. Malaria cases by slide source

Slides source	2012	
	EW 1	Cum.
Passive Case Detection (PCD)	24	24
Active Case Detection (ACD)	0	0
Investigation slides (INV)	0	0
Mass Blood Survey (MBS)	0	0
Follow-up	0	0
Total	24	24

4.2.2. Malaria cases by species

Species	2012	
	EW 1	Cum.
<i>P. vivax</i>	7	7
<i>P. falciparum</i>	1	1
<i>P. malariae</i>	3	3
<i>P. knowlesi</i>	13	13
<i>P. ovale</i>	0	0
Mixed	0	0
Total	24	24

4.2.3. Malaria cases by case classification

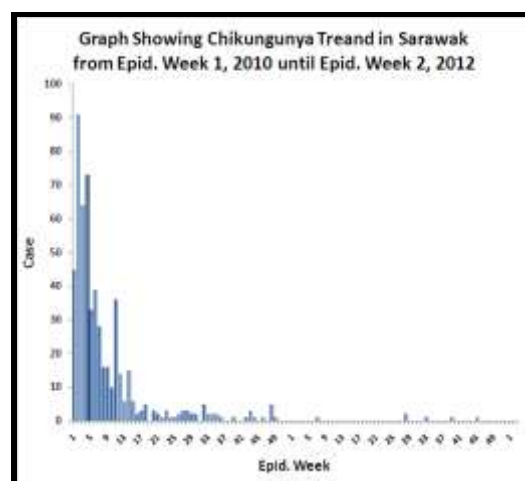
Classification	2012	
	EW 1	Cum.
Indigenous	19	19
*Imported A	5	5
Relapsed	0	0
Congenital	0	0
Total	24	24

4.2.4. The summary of the *Imported A cases

No.	District reported	Source of infection	Nationality	Age	Gender	Address in Sarawak	Species
1	Kapit	KKB Sekofo, Congo, Africa	Malaysian	23	Male	Empang Skrang Mujong, Rh. Asun, Baleh, Kapit	<i>P. falciparum</i>
2	Limbang	Camp Papet, Papua New Guinea	Malaysian	44	Male	Kg. Palas, Batu Danau, Limbang	<i>P. vivax</i>
3		Congo, Africa	Malaysian	46	Male	Kuala Medalam, Medamit, Limbang	<i>P. malariae</i>
4	Sibu	KKB Amanab 546, Papua New Guinea	Malaysian	40	Male	Block c, 150, Town Villa, Sibu Jaya, Durin, Sibu	<i>P. vivax</i>
5	Dalat	KKB, Crocodile Point, Papua New Guinea	Malaysian	42	Male	Nanga Baoh, Rh. Balin, Dalat	<i>P. vivax</i>

4.3. Notified Chikungunya cases for Epid. Week 1, 2012 compared to Epid. Week 1, 2011 and cumulative cases in Epid. Week 1 in 2012.

District	2012		2011		
	EW 2	Cum.	EW 2	Cum.	Total
Lundu	0	0	0	0	0
Bau	0	0	0	0	0
Kuching	0	0	0	0	1
Samarahan	0	0	0	0	0
Asajaya	0	0	0	0	1
Serian	0	0	0	0	1
Simunjan	0	0	0	0	0
Sri Aman	0	0	0	0	0
Lubok Antu	0	0	0	0	0
Betong	0	0	0	0	1
Saratok	0	0	0	0	0
Sarikei	0	0	0	0	0
Meradong	0	0	0	0	0
Pakan	0	0	0	0	0
Julau	0	0	0	0	0
Daro	0	0	0	0	1
Matu	0	0	0	0	0
Dalat	0	0	0	0	0
Mukah	0	0	0	0	0
Sibu	0	0	0	0	0
Kanowit	0	0	0	0	0
Selangau	0	0	0	0	0
Song	0	0	0	0	0
Kapit	0	0	0	0	0
Belaga	0	0	0	0	0
Tatau	0	0	0	0	0
Bintulu	0	0	0	0	0
Miri	0	0	0	0	0
Marudi	0	0	0	0	1
Limbang	0	0	0	0	0
Lawas	0	0	0	0	0
Sarawak	0	0	0	0	6



No case of chikungunya reported in Epid. Week 2, 2012.

EW = Epid. Week; Cum. = cumulative figure

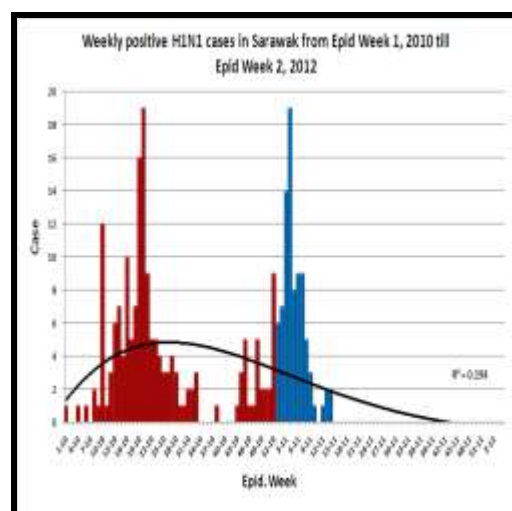
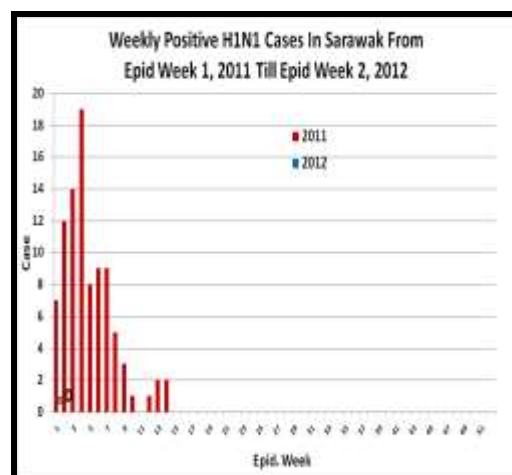
5. EMERGING/RE-EMERGING INFECTIOUS AND ZOO NOTIC DISEASES

5.1. H1N1

5.1.1 Positive Pandemic Influenza A (H1N1) cases for Epid. Week 2, 2012 compared to Epid. Week 2, 2011 and cumulative cases until Epid. Week 2 in 2012.

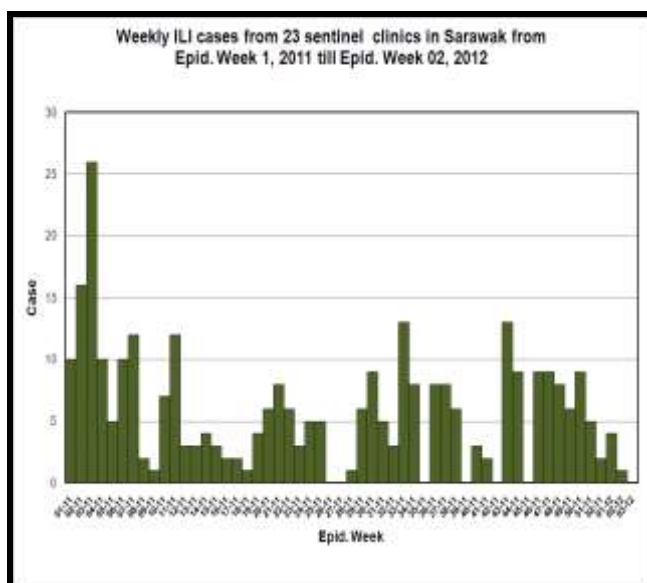
District	2012		2011		Total
	EW 2	Cum.	EW 2	Cum.	
Lundu	0	0	0	0	1
Bau	0	0	0	0	0
Kuching	0	0	4	10	51
Samarahan	0	0	0	0	0
Simunjan	0	0	0	0	0
Serian	0	0	0	0	0
Sri Aman	0	0	0	0	0
Lubok Antu	0	0	0	0	0
Betong	0	0	0	0	1
Saratok	0	0	0	0	0
Sarikei	0	0	0	0	0
Meradong	0	0	0	0	0
Julau	0	0	0	0	0
Daro	0	0	0	0	0
Dalat	0	0	0	0	0
Mukah	0	0	0	0	0
Sibu	0	0	0	0	1
Kanowit	0	0	0	0	0
Song	0	0	0	0	0
Kapit	0	0	0	0	1
Belaga	0	0	0	0	1
Tatau	0	0	0	0	0
Bintulu	0	0	8	9	27
Miri	0	0	0	0	6
Marudi	0	0	0	0	0
Limbang	0	0	0	0	2
Lawas	0	0	0	0	1
TOTAL	0	0	12	19	92

EW = Epid. Week; Cum. = cumulative figure



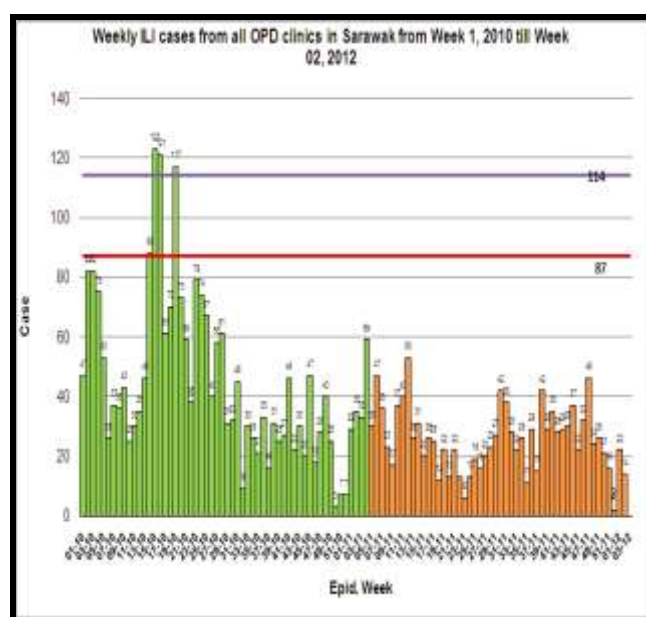
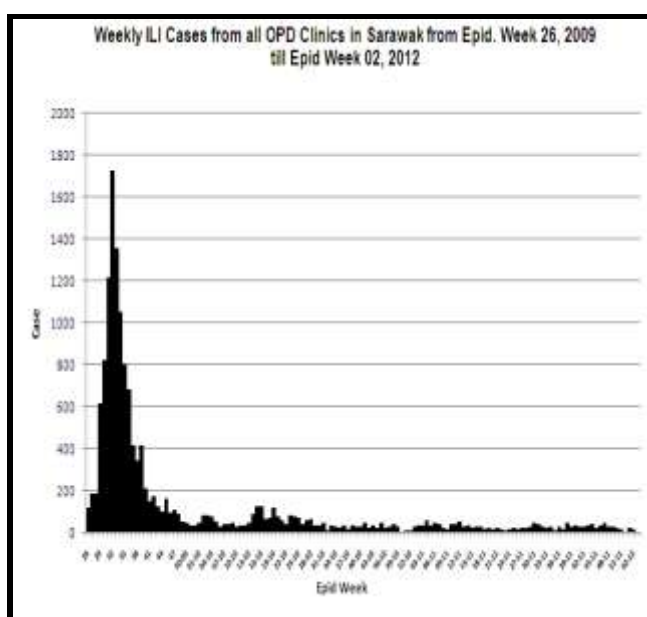
No H1N1 positive case reported in Epid. Week 2, 2012.

5.1.2 Outpatient Influenza-Like Illness (ILI) Surveillance from Epid. Week 1 in 2010 till Epid. Week 2 in 2012.



In Epid. Week 2, 2012, two ILI cases 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).

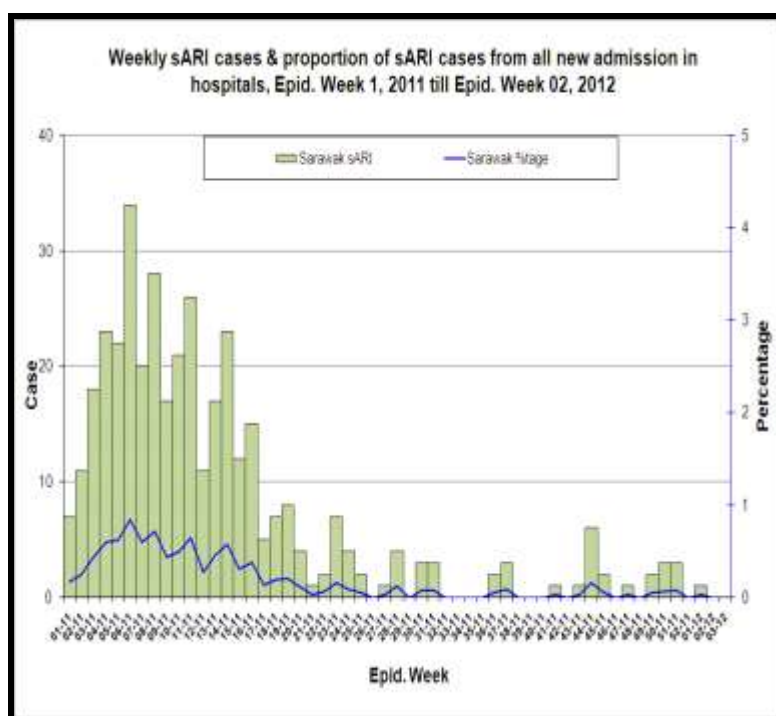


Referring to a letter dated 25 January 2011 from Office of the Deputy Director-General of Health (Public Health), Department of Public Health, Ministry of Health Malaysia about **PEMANTAUAN AKTIVITI H1N1 SECARA BERTERUSAN**, all PKB/PKD must send their daily H1N1 report as well as ILI and sARI surveillance 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 14th January 2012.

No ILI cluster reported. The latest cluster was on 3rd November 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 14th January 2012.

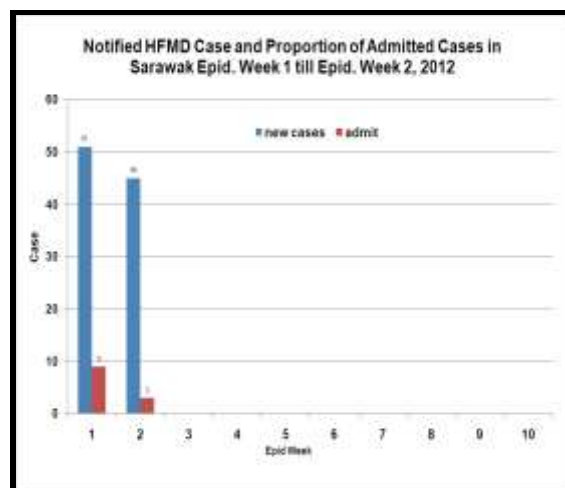
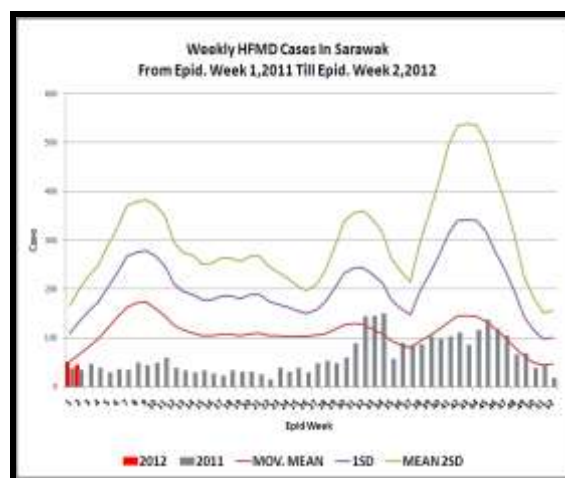
Division	Hospital	New EW 2	Cumulative 2012	No. of Inpatient			No. of Patient on Ventilator	Throat swabs		
				ICU	ISO	Other wards		Positive	Pending	Negative
Kuching	SGH Kuching	2	3	0	0	2	0	0	0	2
	Bau	0	0	0	0	0	0	0	0	0
	Lundu	0	0	0	0	0	0	0	0	0
	RCBM	0	0	0	0	0	0	0	0	0
	Sentosa	0	0	0	0	0	0	0	0	0
Samarahan	Serian	0	0	0	0	0	0	0	0	0
	Simunjan	0	0	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	0	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	0	0	0	2	0	0	0	0
Miri	Miri	0	0	0	0	0	0	0	0	0
	Marudi	0	0	0	0	0	0	0	0	0
Limbang	Limbang	0	0	0	0	0	0	0	0	0
	Lawas	0	0	0	0	0	0	0	0	0
Total		2	3	0	0	4	0	0	0	2

EW = Epid. Week; Cum. = cumulative figure

Two sARI case reported in Epid. Week 2, 2012 from SGH but negative for Influenza A (H1N1).

5.2. Notified HFMD (masterlist) cases for Epid. Week 2, 2012 compared to Epid. Week 2, 2011 and cumulative cases in Epid. Week 2, 2011.

District / Division	2012		2011		Total
	EW 2	Cum.	EW 2	Cum.	
Lundu	0	0	7	9	602
Bau	0	0	0	2	149
Kuching	8	20	1	1	31
KUCHING	8	20	8	12	782
Samarahan	0	2	0	0	127
Asajaya	0	0	0	0	35
Simunjan	0	0	0	0	19
Serian	3	4	0	0	39
SAMARAHAN	3	6	0	0	220
Sri Aman	0	0	0	1	97
Lubok Antu	0	1	0	0	18
SRI AMAN	0	1	0	1	115
Betong	1	1	0	2	57
Saratok	2	4	2	4	37
BETONG	3	5	2	6	94
Sarikei	1	4	1	1	188
Meradong	1	2	0	1	73
Pakan	0	0	0	0	7
Julau	1	1	0	0	32
SARIKEI	3	7	1	2	300
Daro	0	0	0	0	7
Matu	0	0	0	0	4
Dalat	1	2	5	7	84
Mukah	0	0	1	1	42
MUKAH	1	2	6	8	137
Sibu	0	1	3	7	149
Kanowit	0	1	0	0	6
Selangau	0	0	0	0	22
SIBU	0	2	3	7	177
Song	0	0	0	1	64
Kapit	2	4	0	0	12
Belaga	3	7	1	2	55
KAPIT	5	11	1	3	131
Tatau	0	0	6	19	747
Bintulu	9	19	3	5	25
BINTULU	9	19	9	24	772
Miri	10	20	5	9	324
Marudi	0	0	0	0	49
MIRI	10	20	5	9	373
Limbang	1	1	0	0	65
Lawas	2	2	0	0	4
LIMBANG	3	3	0	0	69
SARAWAK	45	96	35	72	3170



A total of 49 HFMD cases reported in Epid. Week 1, 2012 compared to 37 cases during the same period in 2011.

EW = Epid. Week; Cum. = cumulative figure

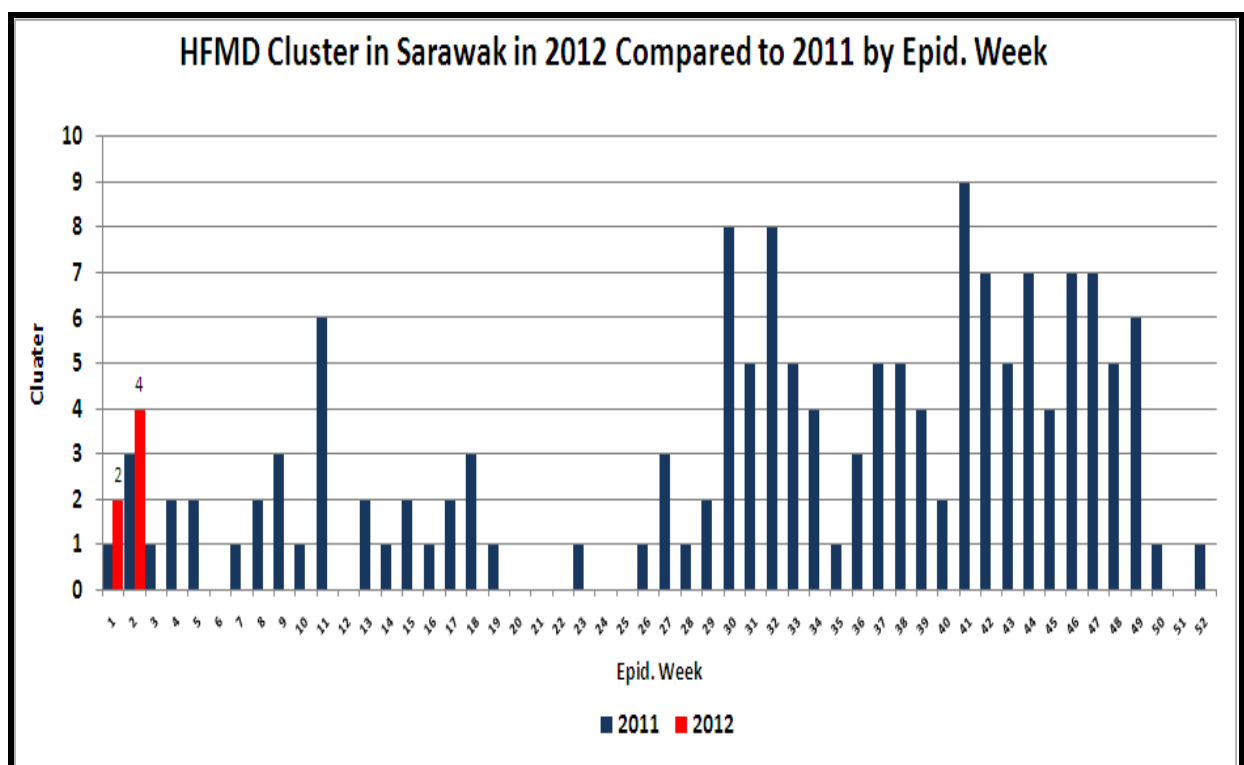
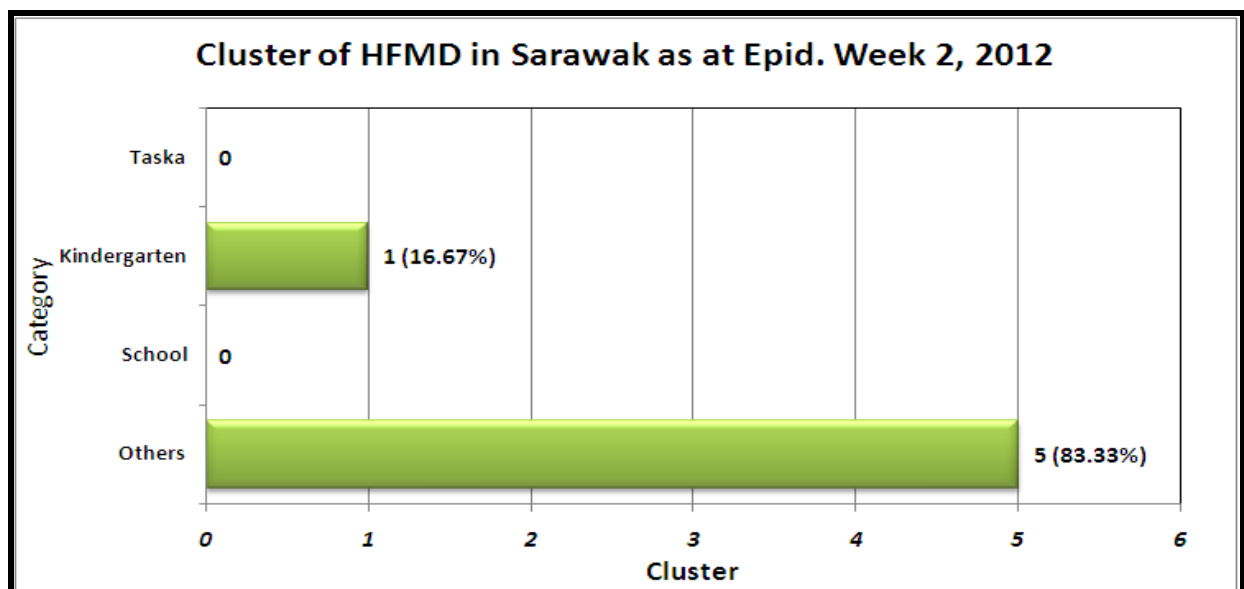
5.2.1 Comparison of total number of notified HFMD cases and registered HFMD cases in *e-Notifikasi* system by district as at 14th January 2012.

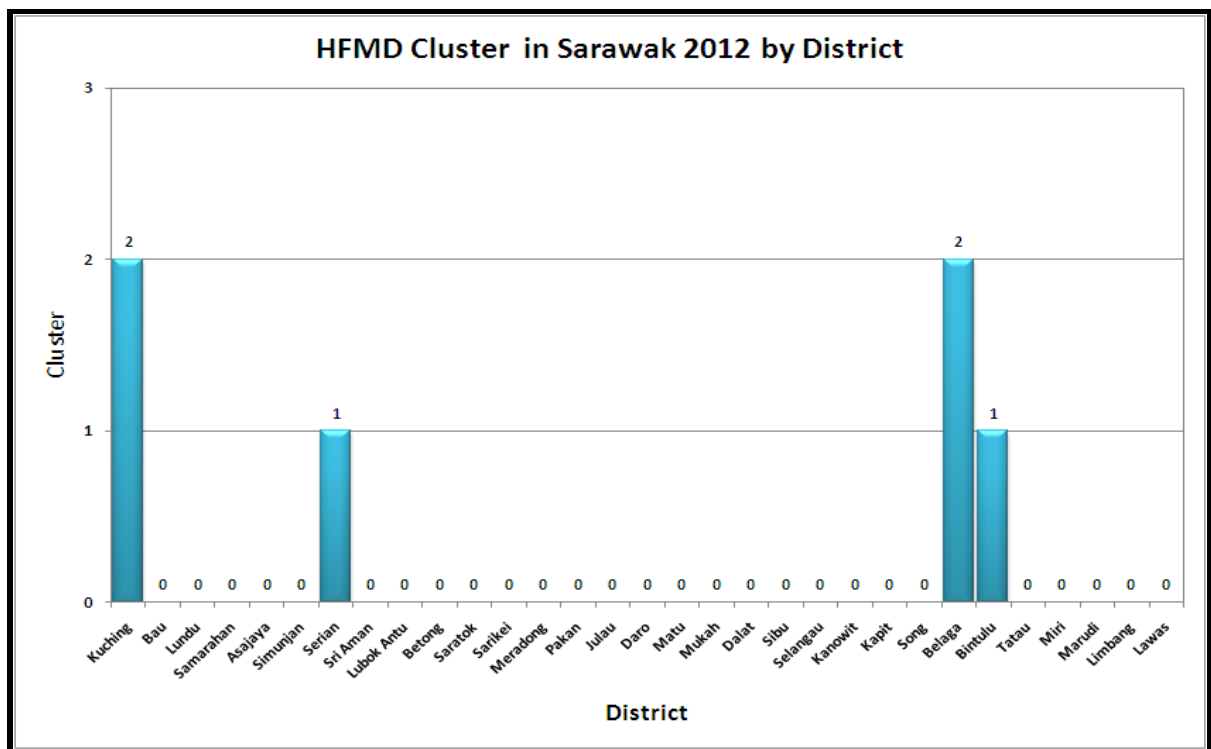
District	Masterlist		Registered Case		Back Log	
	EW 2	Total	EW 2	Total	EW 2	Total
Kuching	8	20	0	12	8	8
Bau	0	0	0	0	0	0
Lundu	0	0	0	0	0	0
KUCHING	8	20	0	12	8	8
Samarahan	0	2	0	1	0	1
Asajaya	0	0	0	0	0	0
Simunjan	0	0	0	0	0	0
Serian	3	4	3	4	0	0
SAMARAHAN	3	6	3	5	0	1
Sri Aman	0	0	0	0	0	0
Lubok Antu	0	1	0	1	0	0
SRI AMAN	0	1	0	1	0	0
Betong	1	1	1	1	0	0
Saratok	2	4	0	2	2	2
BETONG	3	5	1	3	2	2
Sarikei	1	4	1	4	0	0
Meradong	1	2	1	2	0	0
Pakan	0	0	0	0	0	0
Julau	1	1	0	0	1	1
SARIKEI	3	7	2	6	1	1
Daro	0	0	0	0	0	0
Matu	0	0	0	0	0	0
Mukah	0	0	0	0	0	0
Dalat	1	2	1	2	0	0
MUKAH	1	2	1	2	0	0
Sibu	0	1	0	1	0	0
Selangau	0	0	0	0	0	0
Kanowit	0	1	0	1	0	0
SIBU	0	2	0	2	0	0
Kapit	2	4	1	3	1	1
Song	0	0	0	0	0	0
Belaga	3	7	0	4	3	3
KAPIT	5	11	1	7	4	4
Bintulu	9	19	0	2	9	17
Tatau	0	0	0	0	0	0
BINTULU	9	19	0	2	9	21
Miri	10	20	0	9	10	11
Marudi	0	0	0	0	0	0
MIRI	10	20	0	9	10	11
Limbang	1	1	1	1	0	0
Lawas	2	2	1	1	1	1
LIMBANG	3	3	2	2	1	1
SARAWAK	45	96	10	51	35	45

5.2.2. Cumulative HFMD Clusters as of 14th January 2012.

Four HFMD clusters were reported in Epid. Week 2, 2012.

As at 14th January 2012, a total of six (6) clusters reported. Of these, 5 (83.33%) were family clusters and one (16.67%) was a kindergarten.





5.3. Notified Leptospirosis cases for Epid. Week 2, 2012 compared to Epid. Week 2, 2011 and cumulative cases till Epid. Week 2 in 2012.

District / Division	Case classification				Total	
	Confirmed		Probable		2012	2011
	EW (02) 2012	EW (02) 2011	EW (02) 2012	EW (02) 2011		
Lundu	0	0	0	0	0	7
Bau	0	0	0	0	0	4 (1)
Kuching	0	0	0	0	0	38 (2)
KUCHING	0	0	0	0	0	49 (3)
Samarahan	0	0	0	0	0	3
Asajaya	0	0	0	0	0	3
Simunjan	0	0	0	0	0	8 (1)
Serian	0	0	0	0	0	10 (1)
SAMARAHAN	0	0	0	0	0	24 (2)
Sri Aman	0	0	0	0	0	11 (2)
Lubok Antu	0	0	0	0	0	11
SRI AMAN	0	0	0	0	0	22 (2)
Betong	0	0	1	0	0	5 (1)
Saratok	0	0	0	0	0	5
BETONG	0	0	0	0	0	10 (1)
Sarikei	0	0	0	0	0	0
Meradong	0	0	0	0	0	24
Pakan	0	0	0	0	0	3
Julau	0	0	0	0	0	0
SARIKEI	0	0	0	0	0	27
Daro	0	0	0	0	0	1 (1)
Matu	0	0	0	0	0	0
Dalat	0	0	0	0	0	0
Mukah	0	0	0	0	0	3
MUKAH	0	0	0	0	0	4 (1)
Sibu	0	0	0	0	0	2
Kanowit	0	0	0	0	0	4
Selangau	0	0	0	0	0	3
SIBU	0	0	0	0	0	9
Song	0	0	0	0	0	1
Kapit	0	0	0	0	0	12
Belaga	0	0	0	0	0	7 (1)
KAPIT	0	0	0	0	0	20 (1)
Tatau	0	0	0	0	0	1
Bintulu	0	0	0	0	0	9 (3)
BINTULU	0	0	0	0	0	10 (3)
Miri	0	0	0	0	0	11
Marudi	0	0	0	0	0	2
MIRI	0	0	0	0	0	13
Limbang	0	0	0	0	0	2 (1)
Lawas	0	0	0	0	0	0
LIMBANG	0	0	0	0	0	2 (1)
SARAWAK	0	0	0	0	0	190 (14)

Note: () Death; 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 indicates source of infection.

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

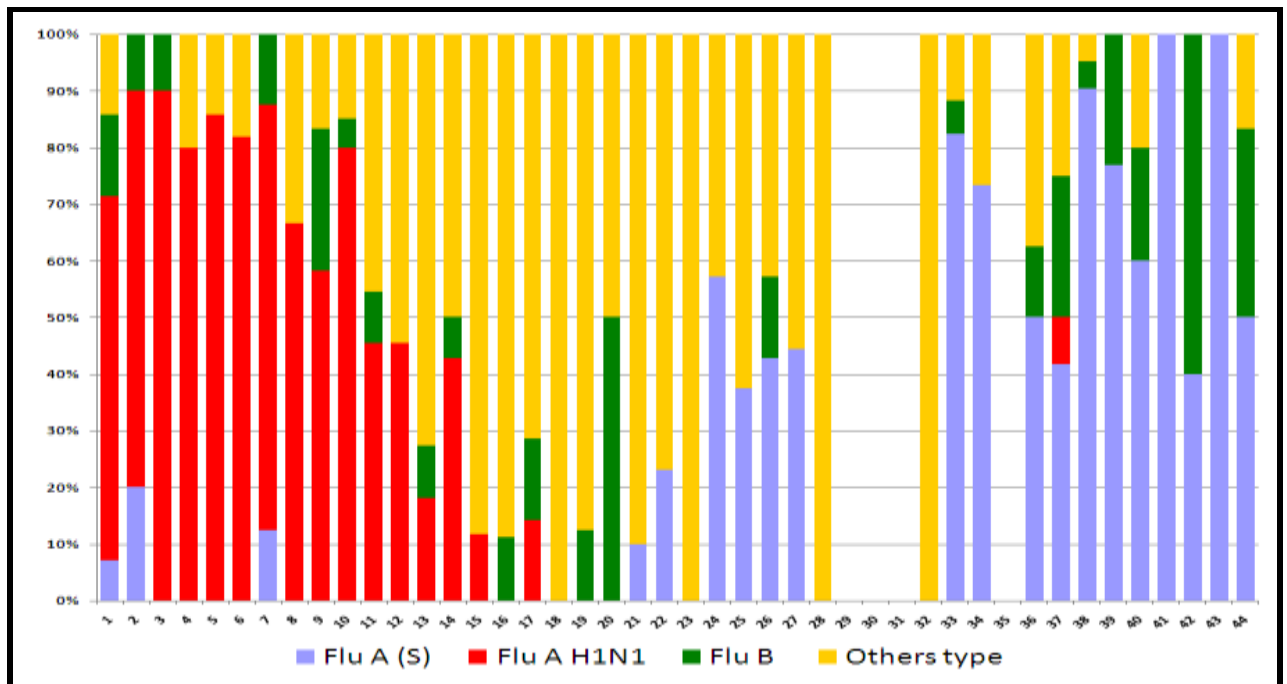
5.4. Notified Melioidosis cases for Epid. Week 2, 2011 compared to Epid. Week 2, 2011 and cumulative cases until Epid. Week 2, 2012.

District / Division	Case classification				Total	
	Confirmed		Probable		2011	2011
	EW (02) 2012	EW (02) 2011	EW (02) 2012	EW (02) 2011		
Lundu	0	0	0	0	0	0
Bau	0	0	0	0	0	1
Kuching	0	0	0	0	0	4
KUCHING	0	0	0	0	0	5
Samarahan	0	0	0	0	0	0
Asajaya	0	0	0	0	0	0
Simunjan	0	0	0	0	0	0
Serian	0	0	0	0	0	1
SAMARAHAN	0	0	0	0	0	1
Sri Aman	0	0	0	0	0	3
Lubok Antu	0	0	0	0	0	1
SRI AMAN	0	0	0	0	0	4
Betong	0	0	0	0	0	0
Saratok	0	0	0	0	0	0
BETONG	0	0	0	0	0	0
Sarikei	0	0	0	0	0	0
Meradong	0	0	0	0	0	0
Pakan	0	0	0	0	0	0
Julau	0	0	0	0	0	0
SARIKEI	0	0	0	0	0	0
Daro	0	0	0	0	0	0
Matu	0	0	0	0	0	0
Dalat	0	0	0	0	0	0
Mukah	0	0	0	0		2
MUKAH	0	0	0	0	0	2
Sibu	0	0	0	0	0	2
Kanowit	0	0	0	0	0	1
Selangau	0	0	0	0	0	5
SIBU	0	0	0	0	0	8
Song	0	0	0	0	0	1
Kapit	0	0	0	0	0	61 (3)
Belaga	0	0	0	0	0	21 (4)
KAPIT	0	0	0	0	0	83 (7)
Tatau	0	0	0	0	0	4 (1)
Bintulu	0	0	0	0	0	5
BINTULU	0	0	0	0	0	9 (1)
Miri	0	0	0	0	0	6 (2)
Marudi	0	0	0	0	0	1
MIRI	0	0	0	0	0	7 (2)
Limbang	0	0	0	0	0	0
Lawas	0	0	0	0	0	0
LIMBANG	0	0	0	0	0	0
SARAWAK	0	0	0	0	0	119 (10)

Note: () Death; EW = Epid. Week
District indicates source of infection.

6. LABORATORY BASED SURVEILLANCE

6.1. Malaysia Influenza Surveillance System (MISS) (not included Sabah*) from Epid Week 1 till Epid Week 44, 2011.



* specimen from Sabah were analysed at MKAK Kota Kinabalu

In Malaysia, as at Epid Week 44, 2011, a total of 3,350 throat swab specimens were analysed at MKAK Sungai Buloh. Of these, 416 specimens isolated various types of influenza virus i.e. virus Flu A (H1N1) (98), Flu A (s) [152], Flu B (28), and other types of virus (138). Other viruses which are under category of others-type: Adenovirus (83), Paramyxovirus (14), RSV (1), Enterovirus (1) and other viruses (39).

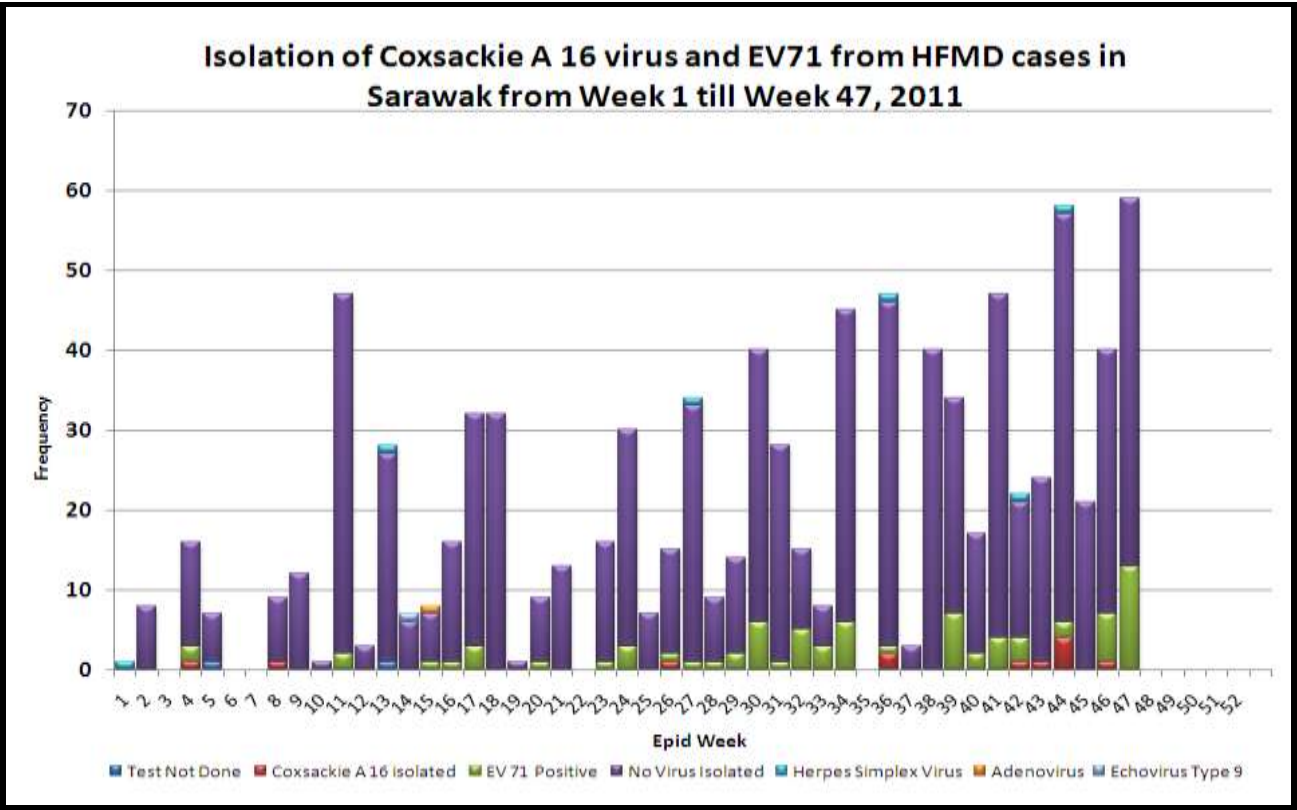
6.2. Laboratory Based Surveillance for Measles in Malaysia

In Malaysia, as at Epid. Week 45, 2011, a total of 4,340 serum specimens for serology test were sent to MKAK Sg. Buloh. Of these, 1,383 were positive for IgM Measles and 354 positive for Rubella.

As at Epid. Week 45, 2011, a total of 3,526 specimens for viral isolation were sent to MKAK Sg. Buloh. Of these, 263 (8.8%) specimens positive for virus isolation: measles (94); rubella (162); herpes simplex virus 1 (3); and adenovirus (4).

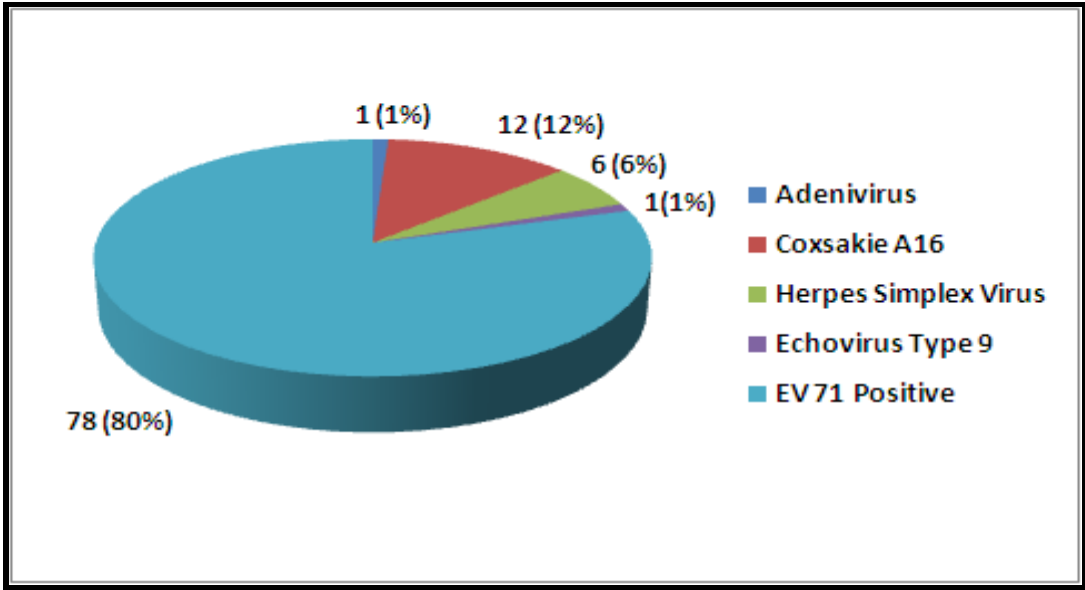
In Sarawak, as at Epid Week 45, 2011, a total of 284 specimens for serology test were to MKAK Sg Buloh. Of these, 21 specimens were positive for measles IgM and 40 positive for rubella IgM. Only 30 specimens for measles viral isolation from Sarawak were sent to MKAK Sg. Buloh but so far none were positive.

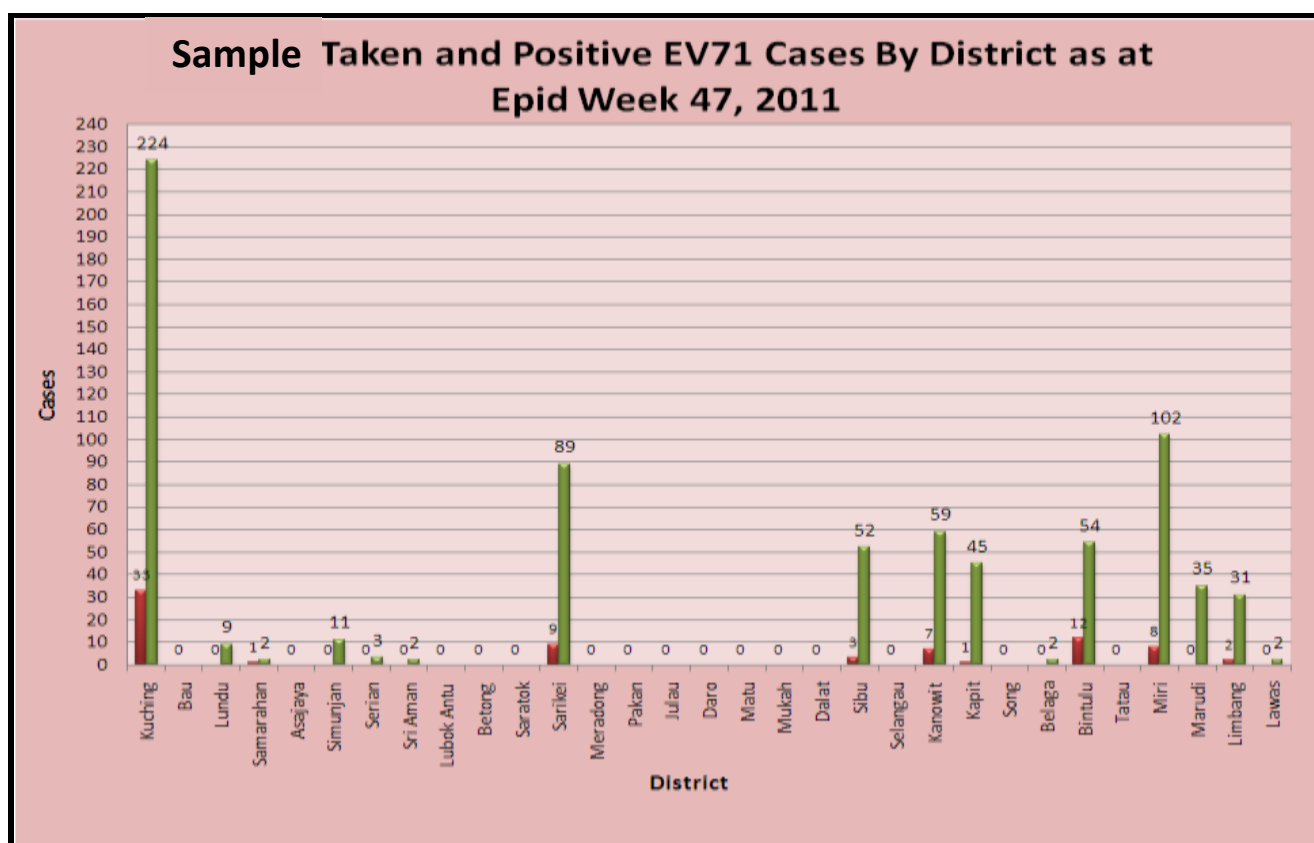
6.3. Laboratory Based Surveillance for HFMD in Sarawak from Epid Week 1 till Epid Week 47, 2011.



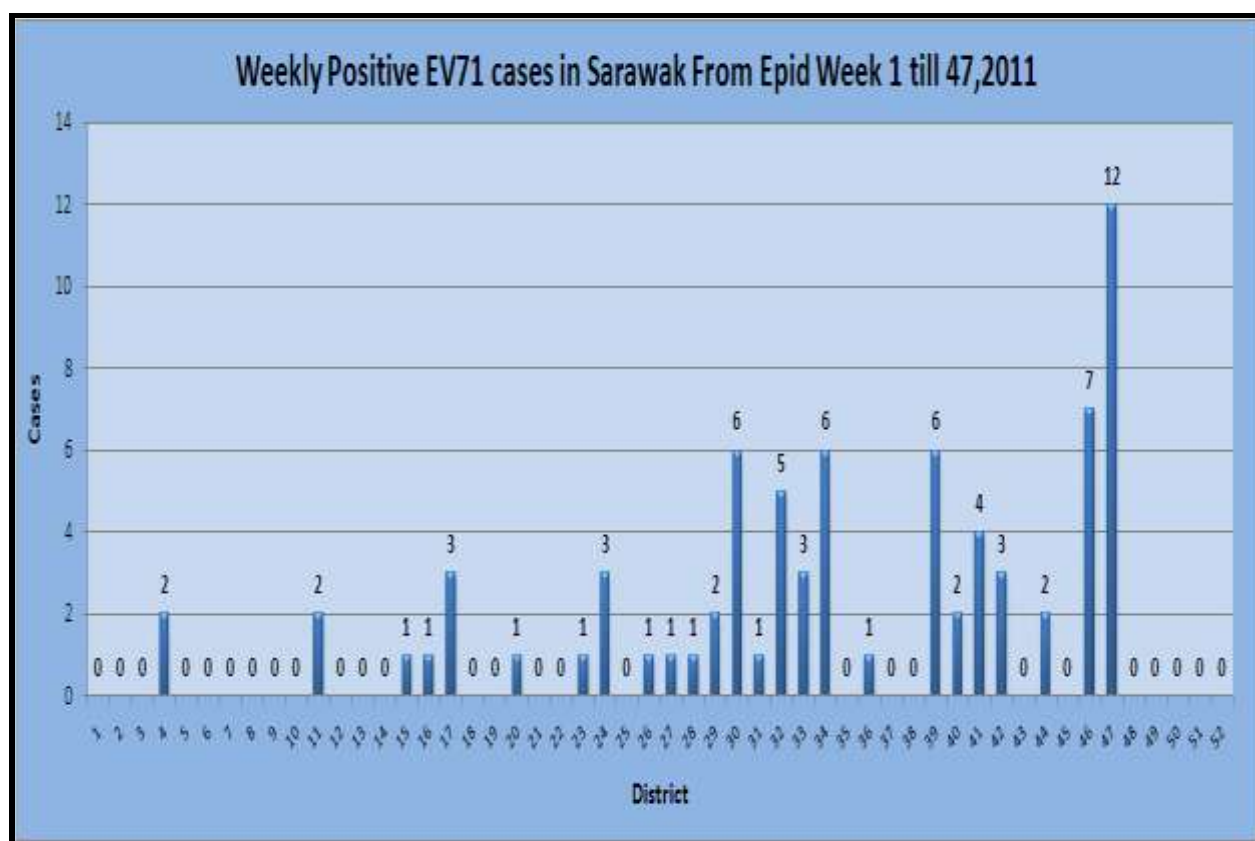
*results from EW 48 onwards are still pending

In Sarawak, as at Epid. Week 47, 2011, a total of 923 specimens were sent to MKAK Sg. Buloh for viral isolation. Of these, 98 specimens isolated viruses: EV71 (78), Coxsackie A16 (12), Herpes Simplex (HSV 1) [6], Adenovirus (1) and Echovirus Type 9 (1).





*results from EW 48 onwards are still pending



*results from EW 48 onwards are still pending

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 14th January 2011):

No.	Name/Designation	Office address	E-mail address	Tel. / Fax / Handphone number
1	Ketua Penolong Pengarah Kanan Dr. Razitasham Safii	Seksyen Kawalan Penyakit Berjangkit, Jabatan Kesihatan Negeri Sarawak,	razitasham@srwk.moh.gov.my	Tel: 082-421442 Fax: 082-234571 Hp: 013-8047635
2	Ketua Penolong Pengarah Dr. Noorzilawati Sahak	Seksyen Kawalan Penyakit Berjangkit, Jabatan Kesihatan Negeri Sarawak.	drnoorzila@gmail.com	Tel: 082-246935 Fax: 082-234571 Hp: 014-6999126
3	Pegawai Kesihatan Bahagian Bahagian Kuching Dr. Kamarudin Lajim	Pejabat Kesihatan Bahagian, Bahagian Kuching, Jalan Tun Ahmad Zaidi Adruce, 93250 KUCHING.	kamarudinl@srwk.moh.gov.my	Tel: 082-238635/257867 Fax: 082-414542/250037 Hp: 013-8014332
4	Pegawai Kesihatan Bahagian Bahagian Samarahan Dr. Julaidah Sharip	Pejabat Kesihatan Bahagian, Bahagian Samarahan, Jalan Datuk Muhammad Musa, 94300 KOTA SAMARAHAN.	julaidah.s@srwk.moh.gov.my	Tel: 082-673626 Fax: 082-673632 Hp: 019-8270869
5	Pegawai Kesihatan Bahagian Bahagian Sri Aman Dr. Musalnizan bt Mustalkan	Pejabat Kesihatan Bahagian, Bahagian Sri Aman, Tingkat 3, Wisma Persekutuan, Jalan Hospital 95007 SRI AMAN.	musalnizan@yahoo.com	Tel: 083-332176 Fax: 083-322058 Hp: 013-8187779
6	Pegawai Kesihatan Bahagian Bahagian Betong Dr. Jeffery Stephen	Pejabat Kesihatan Bahagian, Bahagian Betong, KM 2, Jalan Betong, 95700 BETONG.	stjeffery@srwk.moh.gov.my	Tel: 083-472116 Fax: 083-471870 Hp: 019-8584053
7	Pegawai Kesihatan Bahagian Bahagian Sarikei Dr. Hasrina Hassan	Pejabat Kesihatan Bahagian Bahagian Sarikei Tingkat 3, Wisma Persekutuan 96100 SARIKEI	hasrina@srwk.moh.gov.my	Tel: 084-651077 Fax: 084-654088 Hp: 013-3403363
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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.