



# SARAWAK

## WEEKLY EPID NEWS

Sarawak Health Department

WEEK 49

4<sup>th</sup> – 10<sup>th</sup> December. 2011

### INFECTIOUS DISEASE/CRISIS HIGHLIGHTS IN SARAWAK

In. Epid. Week 49, 2011, Sarawak Health Department received reports of one episode of food poisoning outbreak, six family clusters of HFMD 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	Food Poisoning	Kapit	Ming Ann Cafe, kapit	5	09.12.2011
2	HFMD	Bau	Kpg. Serasot	2	10.12.2011
3			Kpg. Tembawang	2	10.12.2011
4		Bintulu	Kemena Park, Tanjong Batu	2	10.12.2011
5		Dalat	Kpg. Medong, Hilir Dalat	3	05.12.2011
		Lundu	Kpg. Pasir Tengah	2	06.12.2011
6		Sarikei	Block C, Flat Seri Mutiasa	2	05.12.2011
7	Malaria	Belaga	Lg. Magan S. Tekulang	2	09.12.2011

There were seven clusters/outbreaks were reported in Epid. Week 49, 2011 to Sarawak Health Department.

### 2.1 Summary Report on Food Poisoning at Ming Ann Cafe, Kapit.

#### Introduction.

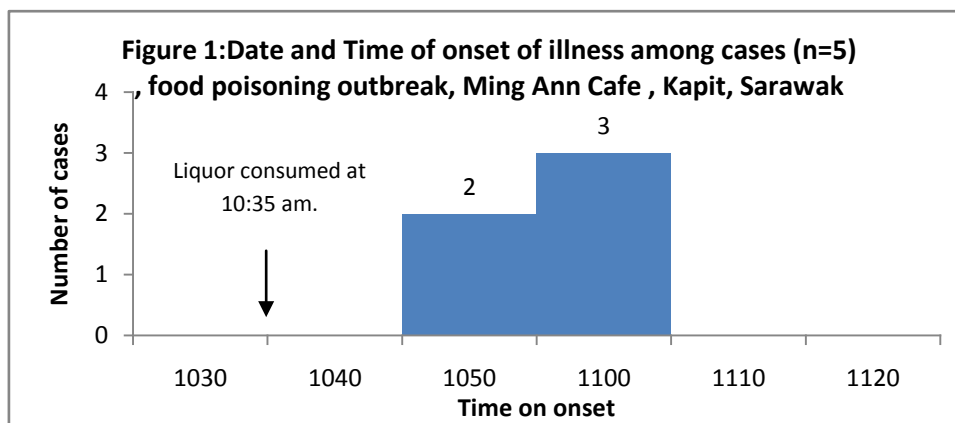
Kapit Health Office was notified of food poisoning outbreak involving 5 persons on 9<sup>th</sup> December 2011 at 1145 hour.

#### Epidemiological Investigation.

The number of person exposed were five (5) and presented with vomiting (100%), Headache (100%) chill and rigor (100%), giddiness (100%) and sweating (100%). All cases were treated at OPD Kapit Hospital. All five cases were not family related.

The first onset was at 10:50 am on 9/12/2011 and the last onset was at 11:05 am on 9/12/2011. The incubation was around 15-30 minutes.

The cases were suspected of food poisoning due to liquor consumption of Arak Gu Pen Brand on 9/12/2011 around 10:35 am. Beside liquor, 3 of the cases also ate **Nasi Campur** and **Mee Goreng**. This is the second episode of food poisoning related to **Arak Gu Pen Brand**.



### **Environmental Assessment & Laboratory.**

Two samples (one bottle was a proxy sample and another bottle was related sample) were taken for chemical and methanol analysis and were sent to Chemistry Department on 12 December 2011 by post.

No traced of methanol was found in sample of the same liquor brand taken during first episode.

### **Remedial & Follow up Action.**

1. The remaining stock of the arak (6 bottles) had been sealed.
2. Food Section HQ has been informed for further action.

### 3. MANDATORY NOTIFIABLE DISEASES REPORTED IN EPID. WEEK 49, 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	0/2										3																
Bau						1					8				1												
Kuching	1/0					1				6	6				1												
Samarahan																									1		
Asajaya											3																
Simunjan																											
Serian						1					3		1														
Sri Aman						2																					2
L/ Antu										1	1																3
Betong																											
Saratok											1																
Sarikei											5																
Meradong																											
Pakan/Julau						3																					2
Daro																											
Matu											1																
Dalat											10																
Mukah																											
Sibu						2					2		2					2									
Kanowit						1																					
Selangau																											
Song													3														
Kapit						1			5				1														
Belaga											1		2		1												
Tatau																											
Bintulu						3					12		1		1												1
Miri						4					12		1														1
Marudi						2							7														
Limbang													2														
Lawas																											
TOTAL (Week 49)	1/2	0	0	0	0	21	0	0	5	7	68	0	20	0	4	0	0	0	2	0	0	0	0	0	1	0	9
Total (2011)	86/64	0	0	252	0	911	9	0	1323	422	3077	20	1598	34	297	0	0	0	186	1	1748	6	0	137	21	0	141
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 9<sup>th</sup> December 2010.**

### **3.1. Surveillance report on food-water borne diseases**

#### **3.1.2. Food Poisoning**

One outbreak of food poisoning involving five cases was reported in Epid. Week 49, 2011.

The cumulative total of food poisoning cases until Epid. Week 49 were 1,323 cases that consist of 55 outbreaks. Out of 55 outbreaks, 26 (47.23%) involved schools (14 primary; 12 secondary).

#### **3.1.3. Cholera**

No case reported in Epid. Week 49, 2011.

The cumulative total of 252 cases was 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 49, 2011.

A cumulative total of nine suspected dysentery cases were reported until Epid. Week 47, 2011, but only two cases were confirmed to be *Amoebic dysentery and Shigellosis*. The others were negative for microbiology analyses.

#### **3.1.5. Typhoid and paratyphoid fever**

No case of typhoid and paratyphoid fever were reported in Epid. Week 49, 2011.

The cumulative total confirmed cases in year 2011 were six (three typhoid cases and three paratyphoid cases) which were confirmed by stool C&S (2) and blood C&S (4).

## 3.2. Surveillance report on vaccine preventable diseases

### 3.2.1. Notified Vaccine Preventable diseases cases for Epid. Week 49, 2011

Type Of Diseases	District	No.of Cases	Locality	Age	Race	Gender	Investigation Report
Measles	Kuching	1	Taman Alamanda Indah Matang, Kuching	10yrs	Iban	Boy	Presented with fever, coryza and body rashes.No history of travelling outside Sarawak, only went back to kampong in Bau. No history of contact with infected person. Had received 2 doses of MMR vaccination. Blood sample taken, result still pending
	Bau	1	No.240, Kiat Lian,Bau	4yrs	Bidayuh	Boy	Presented with fever and cough on 30/11/2011. Child was given JE immunization on 01/12/11. Developed rashes on 04/12/2011. Child movement was only around Bau. Family members all have no sign and symptom. Child had received one dose of MMR vaccination at 1 year old. Blood sample taken and result is still pending.
	Belaga	1	Uma Nyaving, Sg Asap, Belaga	16yrs	Orang Ulu	Female	Admitted to Bintulu Hospital. Present with fever and rash only. Not sure to have received MMR/Rubella vaccination. No history of travelling to other places. Family contacts are all well. Blood sample and throat swab taken. Result still pending
	Bintulu	1	d/a Lot 110, Samplle Park Bintulu (Masling Drive, Singapore	1 yr	Chinese	Girl	Presented with fever, cough, coryza, conjunctivities and body rashes and admitted to Bintulu Hospital. Family is staying in Singapore as father is a Singaporean and mother in an Iban from Miri. Family came on holiday to Bintulu on 27/11/11. Went to Suai Miri on 29/11/11 and back to Bintulu on 10/12/11. Not sure to have received any measles or MMR Vaccination. Blood serology is positive for measles IgM
Hepatis B		No case					
Hepatitis C		No case					
Whooping Cough		No case					
Difteria		No case					
Polio		No case					
Tetanus		No case					

### 3.2.2. Total Reported Vaccine Preventable Diseases Cases by Division from Epid Week 1 until Epid. Week 49, 2011

Division	TYPES OF DISEASES													
	Difteria		Measles		Polio		Tetanus		Whooping Cough		Hepatis B		Hepatis c	
	Suspect	Confirm	Suspect (E-Measles)	Confirm	Suspect	Confirm	Suspect	Confirm	Suspect	Confirm	Acute	Chronic	Acute	Chronic
KUCHING	0	0	75	5	0	0	0	1	27	5 (2 PCR, 3 Culture)	0	32 (Kch 26, Bau 3, Lundu 3)	2	21 (Kch-20, Bau - 1)
SAMARAHAN	0	0	17	4	0	0	0	0	1	1 (PCR)	5	1	1 (Asajaya)	0
SRI AMAN	0	0	6	1	0	0	0	0	0	0	2	0	0	0
BETONG	0	0	1	0	0	0	0	0	0	0	0	2	1	0
SARIKEI	0	0	5	0	0	0	0	0	0	0	0	0	0	0
SIBU	0	0	2	0	0	0	0	0	1	1 (PCR)	1	0	0	0
KAPIT	0	0	18	7	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
BINTULU	0	0	8	2	0	0	0	0	0	0	3	0	0	0
MIRI	0	0	129	5 (1 clinical)	0	0	0	0	6	1 (Culture)	11	11	14 (Miri -13, Tatau - 1)	29
LIMBANG	0	0	36	5 (All fr. Lawas)	0	0	0	0	0	0	1	0	0	0
SARAWAK	0	0	297	28	0	0	0	0	35	7	23	46	18	50

### 3.2.3 Measles (data derived from SM2)

The cumulative total of suspected measles cases was 295. Of these, 29 cases were confirmed by positive IgM measles, Discard=210, clinically confirmed=1, epid link confirmed=7 and Pending=48.

**Note: Clinically confirmed case: Case with interval of fever and rash onset of 3 days or more with either cough, coryza or conjunctivitis(For those with no sample taken)**

#### 3.2.3.1 Summary of Lab confirmed measles cases from Epid. Week 1 until Epid. Week 49, 2011

NO	Division	Distrist	Address	Name	Age	Gender	Race	Negeri Asal	Immunization Status	Remark
1	Samarahan	Serian	Kampung Mentu Tapu, Serian	MC1	3mth	LELAKI	Bidayuh	Sarawak	Not Eligible	
2	Samarahan	Samarahan	Kem Penrissen Batu 8	MC2	11mth	PEREMPUAN	Malay	Sarawak	Not Eligible	
3	Kuching	Kuching	No.39, Lorong 3, Kitang Height	MC3	1yr	LELAKI	Pakistani	Pakistan	Given 1 dose -	
4	Kuching	Kuching	Haatana Apartment Demak Laut	MC4	5mth	PEREMPUAN	Malay	Sarawak	Not Eligible	
5	Miri	Miri	SPAD Ladang 2, Sg.Tangit, Bekenu	MC5	7mth	PEREMPUAN	Melanau	Sarawak	Not Eligible	
6	Miri	Miri	S/L 1388-1390, Blok 3, MCLD Piasau	MC6	39yrs	LELAKI	Chinese	Sarawak	Unknown	
7	Bintulu	Bintulu	Kuarters Pekerja Hup Sen Fertilizer, Kidurong Bintulu	MC7	9mth	LELAKI	Iban	Sarawak	Not Eligible	
8	Kuching	Kuching	No.11, Lorong 16, Blok C Kampung Haji baki, Kuching	MC8	1yr	LELAKI	Malay	Sarawak	Given 1 dose	Vaccine Related Onset 1 week after vaccination
9	MIRI	Miri	RPR Jaya Taman Permai Miri	MC9	4mth	PEREMPUAN	Iban	Sarawak	Not Eligible	
10	Kuching	Kuching	No.17, Jalan Patinggi Ali Barat,	MC10	27yrs	PEREMPUAN	Indonesia	Indonesia	Unknown	Imported from KALBAR
11	Kuching	Kuching	No.222, Lot 2574, Lorong B3, Kampung Tunku Kuching	MC11	8mth	PEREMPUAN	Melayu	Sarawak	Not Eligible	
12	Samarahan	Samarahan	Kem Penrissen Batu Lapan, Jalan Kuching Serian	MC12	5yrs	LELAKI	Iban	Sarawak	Not Sure-Can't Find U-7 card	
13	Miri	Miri	Shoplot CM2, Jalan Kwan Tung Miri	MC13	1yrs	PEREMPUAN	Iban	Sarawak	Not yet given	
14	Limbang	Lawas	Ladang Sawit Merapok	MC14	2yrs	LELAKI	Indonesia	Indonesia	No Immunization	Cluster
15	Limbang	Lawas	Ladang Sawit Merapok	MC15	22yrs	PEREMPUAN	Indonesia	Indonesia	No Immunization	Cluster
16	Limbang	Lawas	Ladang Sawit Merapok	MC16	4yrs	PEREMPUAN	Indonesia	Indonesia	No Immunization	Cluster
17	Limbang	Lawas	Ladang Sawit Merapok	MC17	2yrs	PEREMPUAN	Indonesia	Indonesia	No Immunization	Cluster
18	Limbang	Lawas	Ladang Sawit Merapok	MC18	10mth	LELAKI	Indonesia	Indonesia	No Immunization	Cluster
19	Samarahan	Samarahan	Kpg Kuap Mealyu	MC19	28yrs	LELAKI	Malay	Sarawak	Unknown	
20	Kuching	Kuching	No.237, lot 2221, Lorong Sungai Maong 5, Green Road, Kuching	MC20	1yrs	LELAKI	Chinese	Sarawak	? Not Given YET	Lab investigation done and confirmed IgM positive by Gribbles Lab
21	Kapit	Kapit	Rh.Ajai, Sg.Kapit, Kapit	MC21	30yrs	Male	Iban	Sarawak		
22	Kapit	Kapit	Taman Ixora Jalan Selirik, Kapit	MC22	26yrs	Female	Iban	Sarawak	Not sure	Cluster
23	Kapit	Kapit	Taman Ixora Jalan Selirik, Kapit	MC23	11mth	Female	Iban	Sarawak	Not eligible	Cluster
24	Kapit	Kapit	Jalan Airport Kapit	MC24	6yrs	Male	Iban	Sarawak	Not given	Cluster
25	Kapit	Kapit	SK Nanga Balang Gaat,Kapit	MC25	29yrs	Female	Malay	Sarawak	Not Sure	Cluster
26	Kapit	Kapit	Rh John Sg. Sesibau, Kapit	MC26	9mth	Male	Iban	Sarawak	Not Eligible	Cluster
27	Kapit	Song	Rh.Endah, Ng.Sepayang Tekalit, Song	MC27	28days	Male	Iban	Sarawak	Not Eligible	Cluster
28	Sri Aman	Sri Aman	Kem Balak Aping, Sri Aman	MC28	4yrs	Female	Malay	Sarawak	Not given	Cluster.Origin from Kuching
29	Bintulu	Bintulu	Masling Drive, Singapore D/A Lot 110 sample Park	MC29	1yr	Female	Chinese	Singapore	Not Sure	Imported from Singapore

### 3.2.4. Pertussis

No case of suspected pertussis was reported in Epid. Week 49, 2011.

#### 3.2.4.1. Summary of confirmed pertussis cases from Epid. Week 1 until Epid. Week 49, 2011

No	Division	District	Address	Age (By Month)	Age (By Day)	Gender	Race	PCR Result	Blood Culture Result	Immunization Status			Remark
										1st.Dose	2nd.Dose	3rd.Dose	
1	KUCHING	KUCHING	Rh.Sewa, jalan Malindor, Before SMK Tun Openg, Bintawa Kuching	5		Male	Malay		Positive	22/12/11	24/01/11	23/02/11	Received 3rd dose after diagnosis
2	KUCHING	KUCHING	7G, Kampung Segubang, Batu Kawa, Kuching	1		Male	Bidayuh		Positive	Not Eligible			
3	MIRI	MIRI	Sanchiew Plantation Niah, Miri	2		Male	Malay		Positive	Not Eligible			
4	KUCHING	KUCHING	No.94, Kampung Kudei, Jalan Rubber, Kuching	1		Male	Malay		Positive	Not Eligible			
5	SIBU	SIBU	Kuarters Kelab Golf Sibu, Blok 2, Batu 101/2 Jalan Oya, Sibu	5		Male	Malay	Positive		16/03/11	13/04/11	14/06/11	
6	SAMARAHAN	SAMARAHAN	No.5611, Lot 37, Phase 20, Taman Desa Ilmu Kota Samarahan	2		Male	Malay	Positive		13/07/11			
7	KUCHING	KUCHING	Kampung Sibobok Bau		21	Female	Bidayuh	Positive		Not Eligible			
8	KUCHING	KUCHING	Lot 2707, Jalan Sg.Apong,Kuching	3		Female	Malay	Positive		9/12/2011			Onset 21 days after 1st.Dtap

### 3.2.5. Tetanus

No case reported in Epid. Week 49, 2011.

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

### 3.2.6. Viral Hepatitis

No case of Viral Hepatitis reported in Epid. Week 49, 2011.

The cumulative total of viral hepatitis cases were 137. Of these, 69 cases were Hepatitis B where 23 were acute and 46 were chronic. Another 68 cases were Hepatitis C where 18 cases were acute and 50 were chronic.



### ***3.3. Surveillance report on HIV/AIDS and STI***

#### **3.3.1. HIV/AIDS**

One HIV case from Sibu district and two AIDS cases from Kuching were reported in Epid. Week 49, 2011.

The cumulative total HIV cases were 156 and all were adults. The cumulative total AIDS cases were 79.

#### **3.3.2. Gonorrhoea**

Seven gonorrhoea cases were reported in Epid. Week 49, 2011. The cases were from Kuching (6) and Lubok Antu (1) district.

Out of the cumulative total of 422 cases reported, 420 were adults and two cases confirmed as gonococcal neonatorum.

#### **3.3.3. Syphilis**

Two syphilis cases from Sibu were reported in Epid. Week 49, 2011.

The cumulative total of syphilis cases were 186.

### ***3.4. Surveillance Report on TB and leprosy***

#### **3.4.1. Tuberculosis (all forms)**

As on 10<sup>th</sup> December 2011 a cumulative total of 1,748 cases were reported.

Out of 1,748 cases reported in 2011, 85 (4.86%) are foreigners. Four cases were among healthcare workers. Total number of death reported in 2011 were 81 cases. In 2010, the total number of cases was 1,987.

#### **3.4.2. Leprosy**

As of 31<sup>st</sup> October 2011, a cumulative total of 25 leprosy cases reported. One case was foreigner and nineteen were locals. All cases were detected through active case detection (ACD).

### ***3.5. Surveillance Report on other infectious diseases***

#### **3.5.1. Viral Encephalitis**

One confirmed case of *Japanese encephalitis* were reported in Epid. Week 49, 2011 from Kpg. Melayu, Kota Samarahan.

The cumulative total of reported viral encephalitis is 21. Of these, nine cases were confirmed *Japanese encephalitis*.

### **3.6. Other infectious diseases**

#### **3.6.1. Filariasis**

Two cases of filariasis reported in Epid. Week 49, 2011 They were, 53 years/Male/Iban from Kpg. Kelati, Limbang and 12 years/Male/Iban from RH. Ejop, Sungai Babi, Marudi.

The cumulative total cases of filariasis were nine.

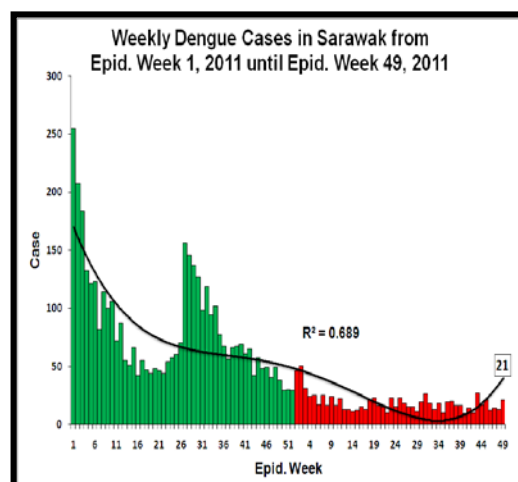
**Note: Vector borne diseases and emerging and re-emerging infectious diseases will be discussed in their respective chapter.**

#### 4. VECTOR BORNE DISEASES: DENGUE, MALARIA AND CHIKUNGUNYA

##### 4.1. Notified Dengue cases for Epid. Week 49, 2011 compared to Epid. Week 49, 2010 and cumulative cases till Epid. Week 49 in 2010.

District	2011		2010		
	EW 49	Cum.	EW 49	Cum.	Total
Lundu	0	10	2	69	69
Bau	1	30	0	121	123
Kuching	1	103	4	466	473
Samarahan	0	21	0	93	97
Asajaya	0	4	0	10	10
Serian	1	18	2	138	140
Simunjan	0	15	1	45	47
Sri Aman	2	51	3	94	96
Lubok Antu	0	23	0	51	53
Betong	0	12	0	25	30
Saratok	0	10	0	20	20
Sarikei	0	26	0	89	91
Meradong	0	12	1	53	53
Pakan	2	23	1	29	30
Julau	1	16	0	19	20
Daro	0	6	1	93	95
Matu	0	1	0	25	25
Dalat	0	3	0	12	14
Mukah	0	5	0	38	39
Sibu	2	71	5	1000	1021
Kanowit	1	31	1	64	64
Selangau	0	10	0	29	32
Song	0	10	2	16	16
Kapit	1	28	0	158	158
Belaga	0	26	2	37	39
Tatau	0	38	1	38	40
Bintulu	3	98	2	232	237
Miri	4	120	5	803	816
Marudi	2	57	1	123	126
Limbang	0	19	2	130	131
Lawas	0	14	2	32	35
<b>Sarawak</b>	<b>21</b>	<b>911</b>	<b>38</b>	<b>4152</b>	<b>4240</b>

EW = Epid. Week



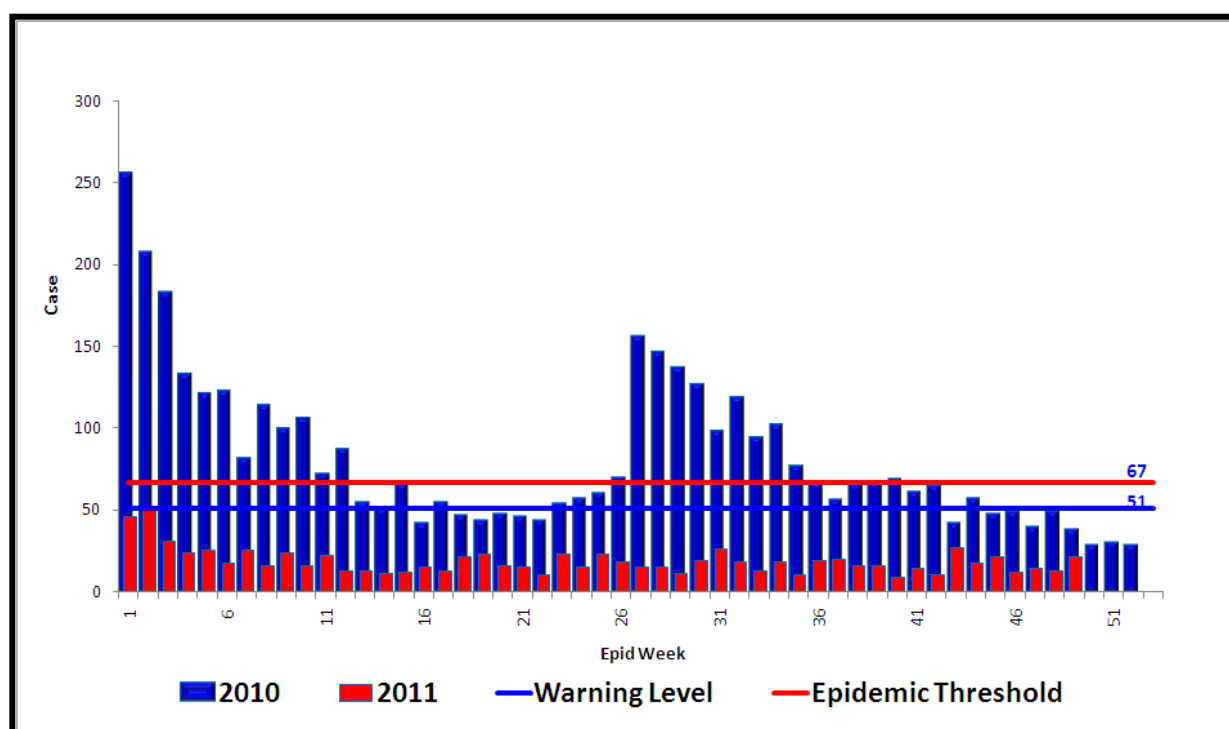
In 2011, a total of 21 dengue cases were reported for Epid. Week 49, 2011 as compared to 38 cases during the same period in 2010.

**One outbreak locality is still active, in Tatau. No uncontrolled outbreak is reported.**

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

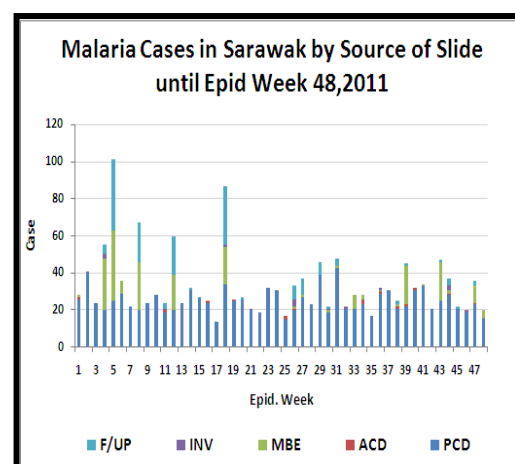
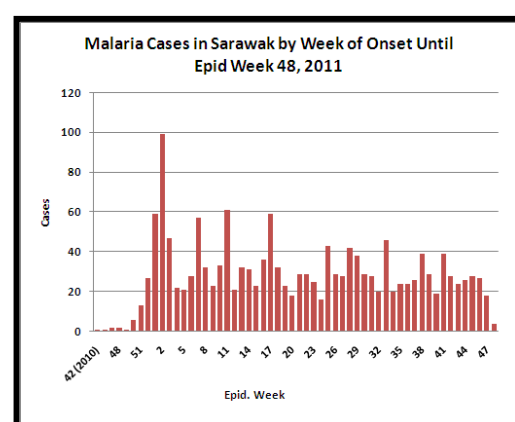
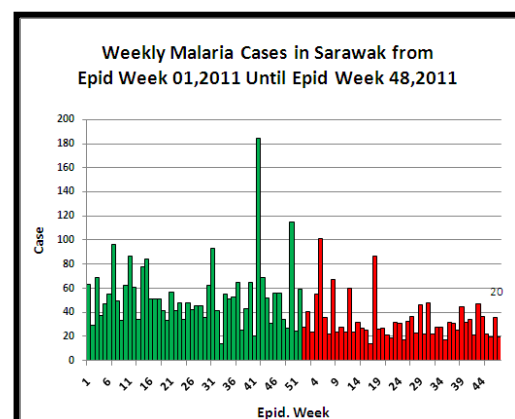
1. Miri
2. Kuching
3. Bintulu
4. Sibu
5. Marudi

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



**4.2. Notified Malaria cases for Epid. Week 48, 2011 compared to Epid. Week 48, 2010 and cumulative cases till Epid. Week 48 in 2011.**

District	2011		2010		Total
	EW 48	Cum.	EW 48	Cum.	
Lundu	0	31	0	71	72
Bau	0	4	0	9	9
Kuching	0	23	0	24	27
Samarahan	0	3	0	1	2
Asajaya	0	1	0	0	0
Serian	1	21	1	58	58
Simunjan	0	2	0	17	17
Sri Aman	0	15	0	21	25
Lubok Antu	0	22	0	16	16
Betong	0	39	0	11	15
Saratok	0	3	0	4	4
Sarikei	0	16	0	8	8
Meradong	0	9	0	3	3
Pakan	0	26	0	14	14
Julau	0	64	0	28	34
Daro	0	2	0	0	1
Matu	0	0	0	0	1
Dalat	0	9	0	13	14
Mukah	0	2	0	6	6
Sibu	2	43	0	38	43
Kanowit	0	76	0	63	65
Selangau	0	15	0	9	9
Song	3	69	1	44	46
Kapit	1	200	1	125	134
Belaga	2	124	0	283	300
Tatau	0	28	0	12	12
Bintulu	1	38	2	32	39
Miri	1	38	0	28	32
Marudi	7	627	29	1579	1734
Limbang	2	19	0	27	29
Lawas	0	29	0	33	33
Sarawak	20	1598	34	2577	2802



A total of 20 cases were reported in week 48, 2011. Cumulative cases till week 48 were 1598 cases. Of the 1598 cases, 627 cases (39.2%) from Marudi District, 200 cases (12.5%) from Kapit District and 124 cases (7.8%) from Belaga District.

**Notes: 1) EW = Epid. Week; 2) All Malaria cases should 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 48	Epid. Week 1 – Epid. Week 48
Passive Case Detection (PCD)	16	1193
Active Case Detection (ACD)	0	15
Investigation slides ( INV)	0	16
Mass Blood Survey (MBS)	4	212
Follow-up	0	162
<b>Total</b>	<b>20</b>	<b>1598</b>

#### 4.2.2. Case by species

Species	Epid. Week 48	Epid. Week 1 – Epid. Week 48
<i>Plasmodium vivax</i>	7	887
<i>Plasmodium falciparum</i>	2	85
<i>Plasmodium malariae</i>	3	297
<i>Plasmodium knowlesi</i>	8	323
<i>Plasmodium ovale</i>	0	1
Mixed infection	0	5
<b>Total</b>	<b>20</b>	<b>1598</b>

#### 4.2.3. Case classification

Classification	Epid. Week 48	Epid. Week 1 – Epid. Week 48
Indigenous	17	1383
*Imported A	3	213
Relapsed	0	1
Congenital	0	1
<b>Total</b>	<b>20</b>	<b>1598</b>

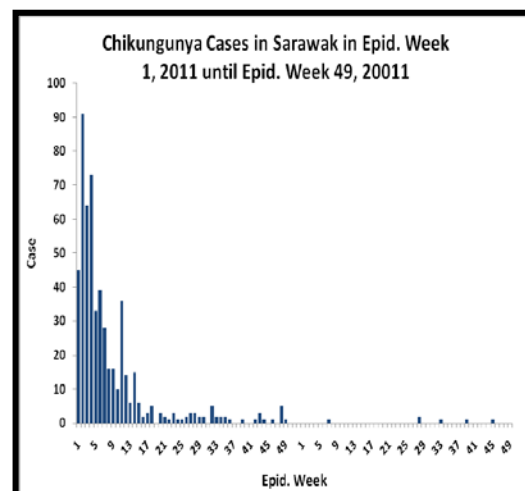
#### 4.2.4. The summary of the \*Imported A cases

No.	District reported	Source of infection	Nationality	Age	Gender	Address in Sarawak	Species
1	Limbang	Pontinory City, Congo, Africa	Malaysian	35	Male	Rumah Sewa SEBOR, Jalan Kubong, Limbang	<i>P. falciparum</i>
2			Malaysian	43	Male	Rh Anthony, Bukit Batu, Medamit, Limbang	<i>P. malariae</i>
3	Sibu	Kg. Padang, Kalimantan Barat, Indonesia	Indonesian	20	Male	Ladang Penasu, Ulu Penasu, Igan, Sibu	<i>P. malariae</i>

**4.3. Notified Chikungunya cases for Epid. Week 49, 2011 compared to Epid. Week 49, 2010 and cumulative cases till Epid. Week 49 in 2010.**

District	2011		2010		
	EW 49	Cum.	EW 49	Cum.	Total
Lundu	0	0	0	1	1
Bau	0	0	0	13	13
Kuching	0	1	0	72	72
Samarahan	0	0	0	3	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	1	13	13
Saratok	0	0	0	8	8
Sarikei	0	0	0	7	7
Meradong	0	0	0	25	25
Pakan	0	0	0	10	10
Julau	0	0	0	22	22
Daro	0	1	0	21	21
Matu	0	0	0	0	0
Dalat	0	0	0	9	9
Mukah	0	0	0	12	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	67	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
<b>Sarawak</b>	<b>0</b>	<b>6</b>	<b>1</b>	<b>550</b>	<b>550</b>

EW = Epid Week



No case of chikungunya was reported in Epid. Week 49, 2011. The cumulative total of Chikungunya case in 2011 is remained as six.



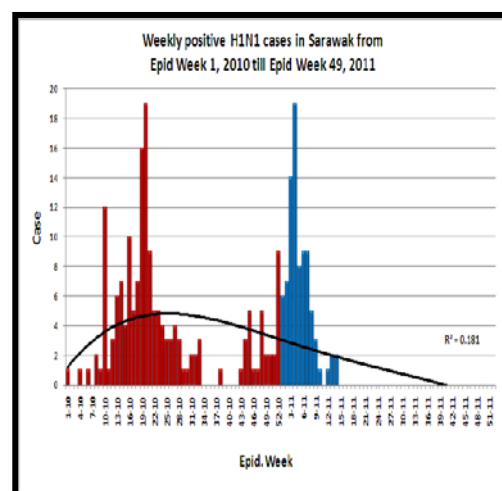
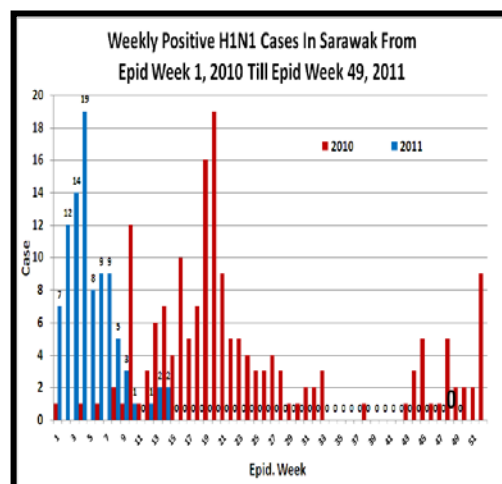
## 5. EMERGING/RE-EMERGING INFECTIOUS AND ZONOTIC DISEASES

### 5.1. H1N1

5.1.1 Positive Pandemic Influenza A (H1N1) cases for Epid. Week 49, 2011 compared to Epid. Week 49, 2010 and cumulative cases till Epid. Week 49 in 2011.

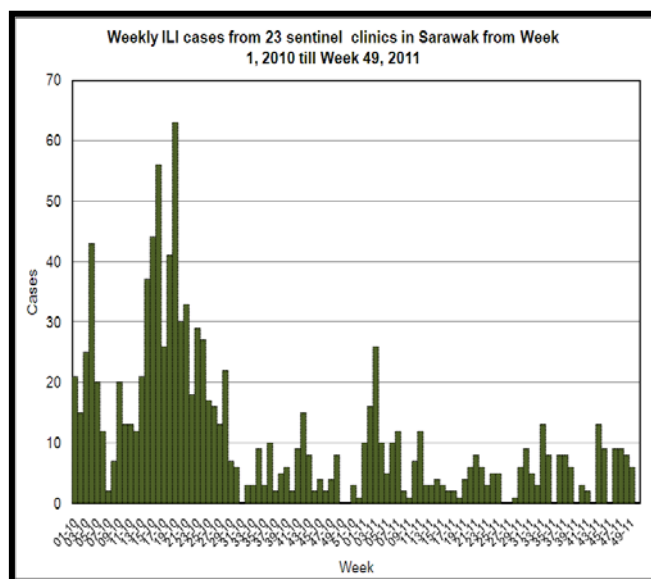
District	2011		2010		Total
	EW 49	Cum.	EW 49	Cum.	
Lundu	0	1	0	8	9
Bau	0	0	0	1	1
Kuching	0	51	0	55	61
Samarahan	0	0	0	8	8
Simunjan	0	0	0	3	4
Serian	0	0	0	2	2
Sri Aman	0	0	0	4	4
Lubok Antu	0	0	0	0	0
Betong	0	1	0	0	0
Saratok	0	0	0	0	0
Sarikei	0	0	0	2	2
Meradong	0	0	0	0	0
Julau	0	0	0	0	0
Daro	0	0	0	0	0
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	1	17	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
<b>TOTAL</b>	<b>0</b>	<b>92</b>	<b>1</b>	<b>152</b>	<b>161</b>

EW = Epid. Week



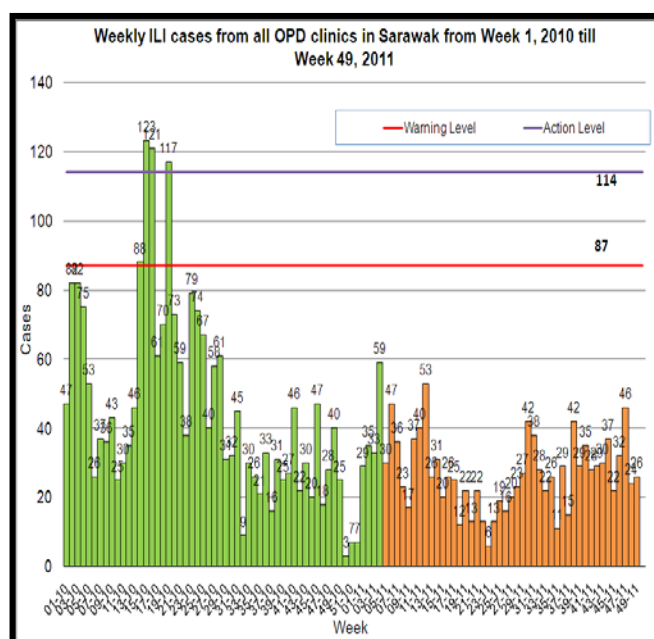
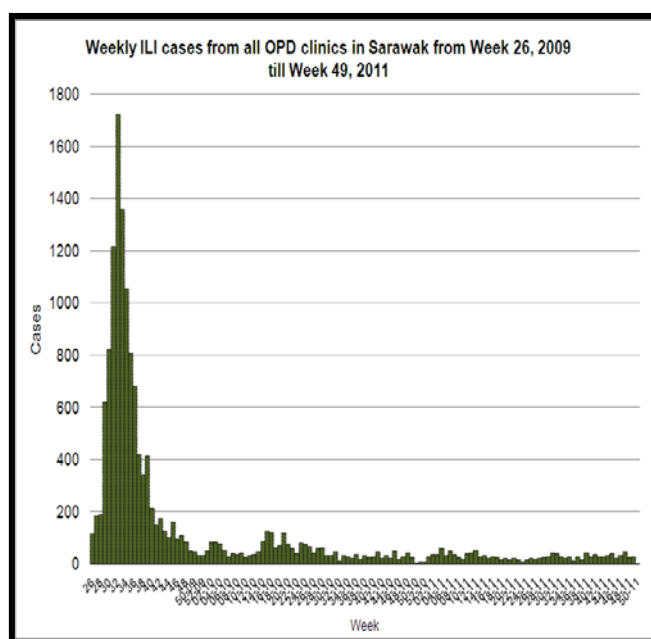
No H1N1 positive case was reported in Epid. Week 49, 2011. The cumulative total cases in 2011 were 92 cases.

### 5.1.2 Outpatient Influenza-Like Illness (ILI) Surveillance from Epid. Week 1 in 2010 till Epid. Week 49 in 2011.



In Epid. Week 49, 2011, six 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**.

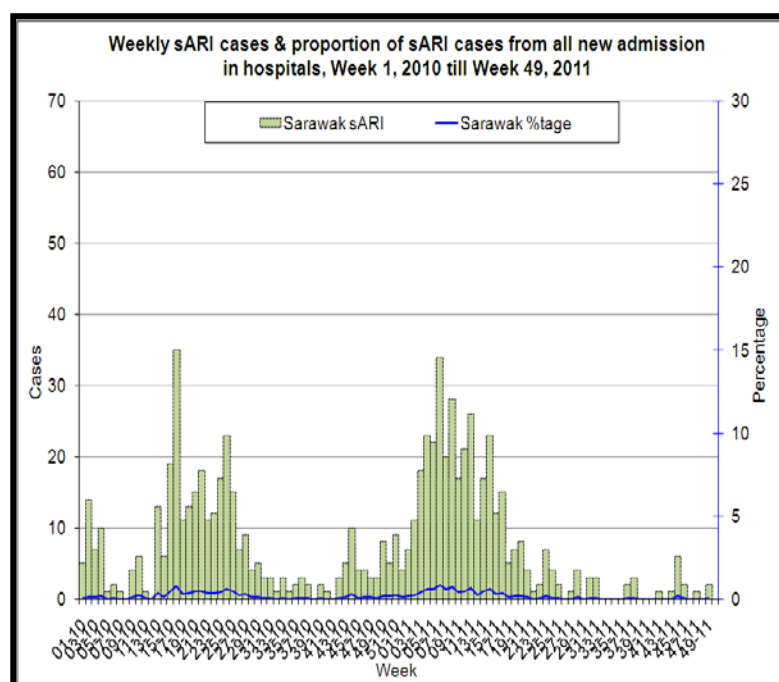
### 5.1.3. New and Cumulative ILI Clusters as of 10<sup>th</sup> December 2011.

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	1	1
Sibu	0	0	0	0
Kapit	0	0	0	0
Bintulu	0	0	2	2
Miri	0	1	0	1
Limbang	0	**1	0	1
<b>TOTAL</b>	<b>0</b>	<b>15</b>	<b>6</b>	<b>21</b>

Note: 1. First cluster in 2011 was detected on 31/12/2010 and the latest was on 03/11/2011.

**\*\* positive Influenza A (seasonal)**

### 5.1.4. Severe Acute Respiratory (sARI) Infection Cases



sARI is suspected when:

1. meets ILI case definition (sudden onset of fever > 38°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 10<sup>th</sup> December 2011.**

Division	Hospital	New EW 49	Cumulative 2011	No. of Inpatient			No. of Patient on Ventilator	Throat swabs		
				ICU	ISO	Other wards		Positive	Pending	Negative
Kuching	SGH Kuching	1	170	0	0	1	0	0	0	1
	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	10	0	0	0	0	0	0	0
Sibu	Sibu	0	2	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	2	251	0	0	0	0	0	0	2
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
<b>Total</b>		<b>3</b>	<b>475</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3</b>

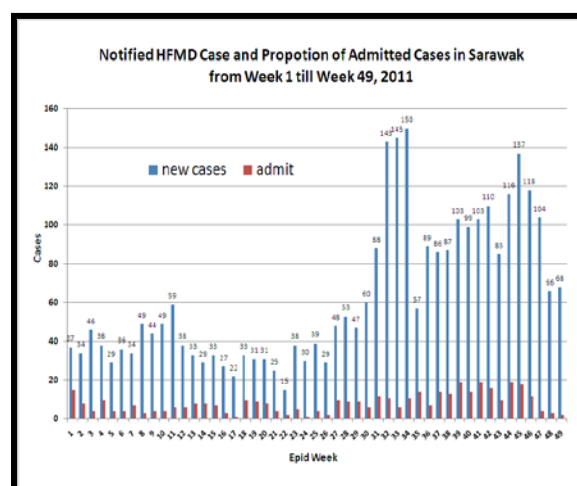
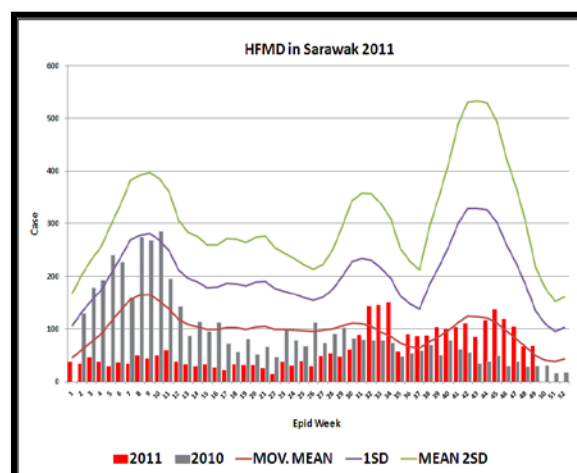
**EW = Epid. Week**

Three sARI case was reported in Epid. Week 49, 2011 from DGH KUching and Bintulu Hospital but negative laboratory results for Influenza AH1N1

**5.2. Notified HFMD cases for Epid. Week 49, 2011 compared to Epid. Week 49, 2010 and cumulative cases till Epid. Week 49 in 2011.**

District	2011		2010		Total 2010
	EW 49	Cum.	EW 49	Cum.	
Kuching	6	593	3	953	961
Bau	8	144	0	209	209
Lundu	3	4	2	83	86
<b>KUCHING</b>	<b>17</b>	<b>716</b>	<b>5</b>	<b>1245</b>	<b>1256</b>
Samarahan	0	122	1	127	127
Asajaya	3	35	1	7	7
Simunjan	0	19	0	36	37
Serian	3	38	0	25	25
<b>SAMARAHAN</b>	<b>6</b>	<b>214</b>	<b>2</b>	<b>195</b>	<b>196</b>
Sri Aman	0	97	0	145	145
Lubok Antu	1	16	0	23	23
<b>SRI AMAN</b>	<b>1</b>	<b>113</b>	<b>0</b>	<b>168</b>	<b>168</b>
Betong	0	56	3	96	103
Saratok	1	36	0	38	38
<b>BETONG</b>	<b>1</b>	<b>92</b>	<b>3</b>	<b>134</b>	<b>141</b>
Sarikei	5	195	0	201	206
Meradong	0	78	0	54	55
Pakan	0	7	0	37	37
Julau	0	31	0	24	24
<b>SARIKEI</b>	<b>5</b>	<b>311</b>	<b>0</b>	<b>316</b>	<b>322</b>
Daro	0	6	0	24	24
Matu	1	4	0	20	20
Mukah	0	82	0	259	259
Dalat	10	43	0	108	108
<b>MUKAH</b>	<b>11</b>	<b>135</b>	<b>0</b>	<b>411</b>	<b>411</b>
Sibu	2	143	5	511	517
Selangau	0	6	0	15	17
Kanowit	0	22	0	44	44
<b>SIBU</b>	<b>2</b>	<b>171</b>	<b>5</b>	<b>570</b>	<b>578</b>
Kapit	0	52	1	116	116
Song	0	11	0	29	29
Belaga	1	53	0	10	10
<b>KAPIT</b>	<b>1</b>	<b>116</b>	<b>1</b>	<b>155</b>	<b>155</b>
Bintulu	12	723	9	606	629
Tatau	0	25	0	27	28
<b>BINTULU</b>	<b>12</b>	<b>748</b>	<b>9</b>	<b>633</b>	<b>657</b>
Miri	12	291	5	903	911
Marudi	0	52	0	104	105
<b>MIRI</b>	<b>12</b>	<b>343</b>	<b>5</b>	<b>1007</b>	<b>1016</b>
Limbang	0	64	0	54	54
Lawas	0	4	0	56	56
<b>LIMBANG</b>	<b>0</b>	<b>68</b>	<b>0</b>	<b>110</b>	<b>110</b>
<b>SARAWAK</b>	<b>68</b>	<b>3077</b>	<b>30</b>	<b>4944</b>	<b>5010</b>

EW = Epid. Week



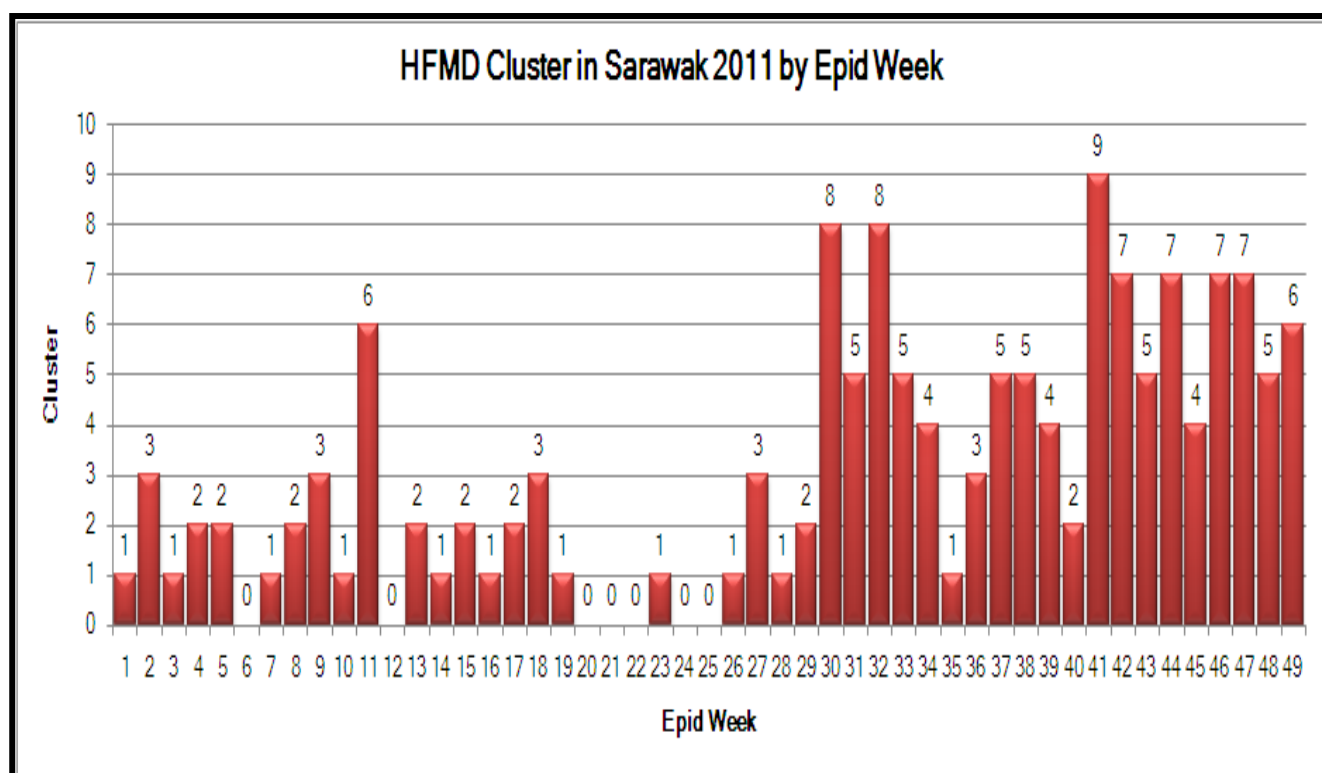
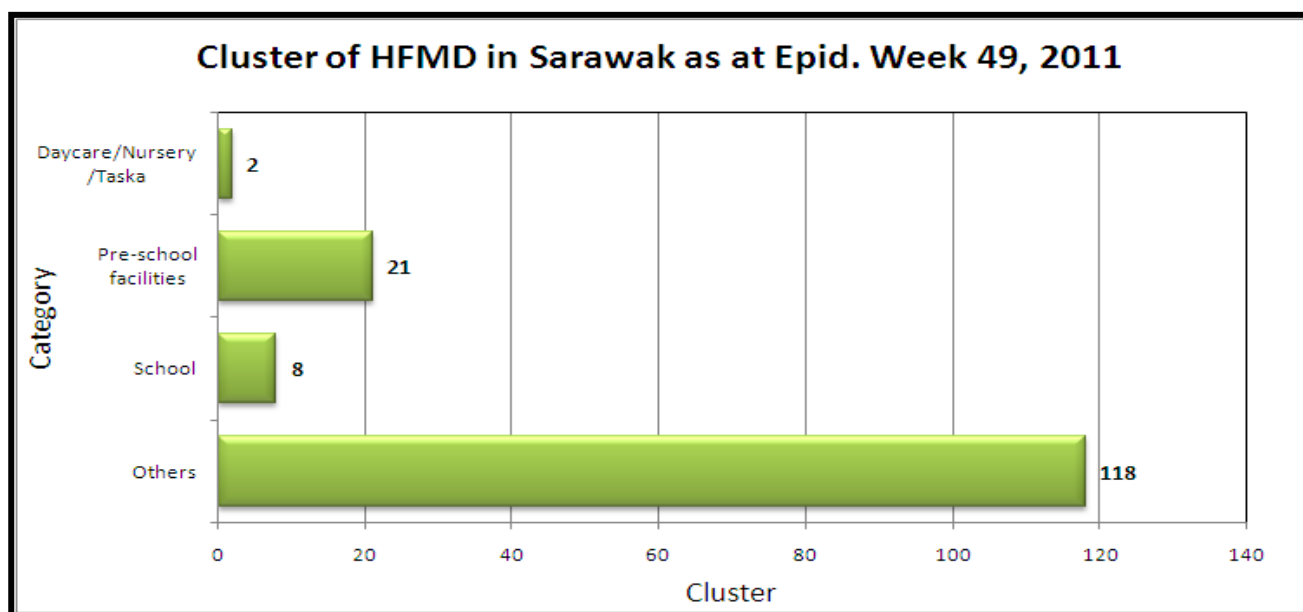
A total of 68 cases were reported in Epid. Week 49, 2011.

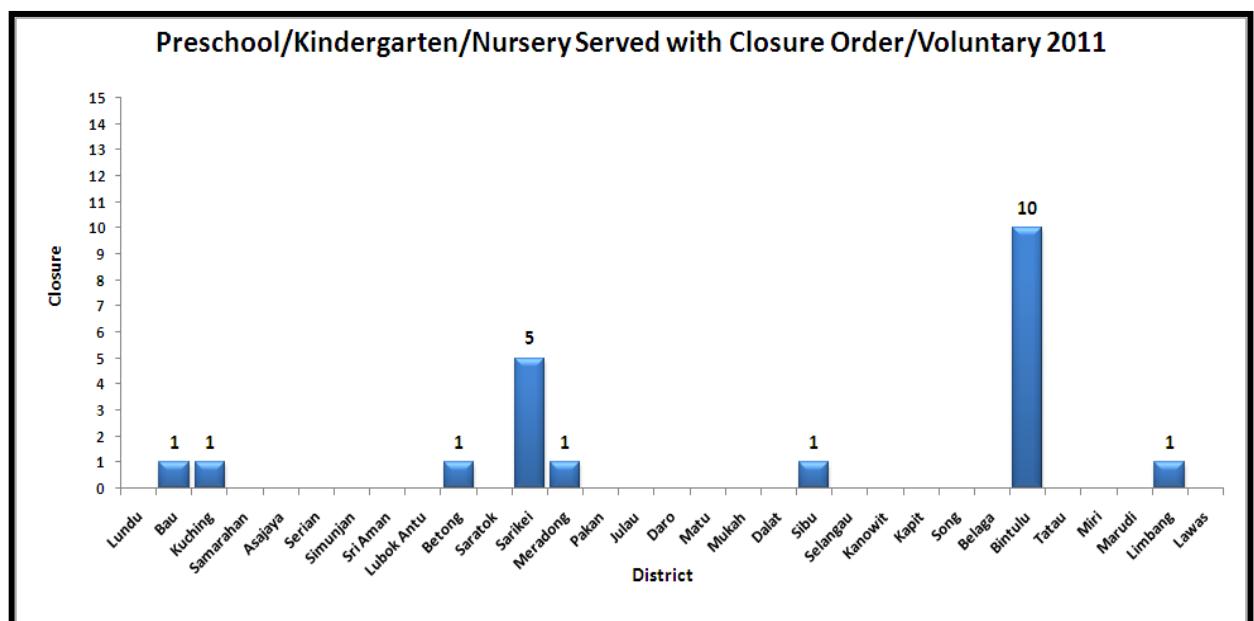
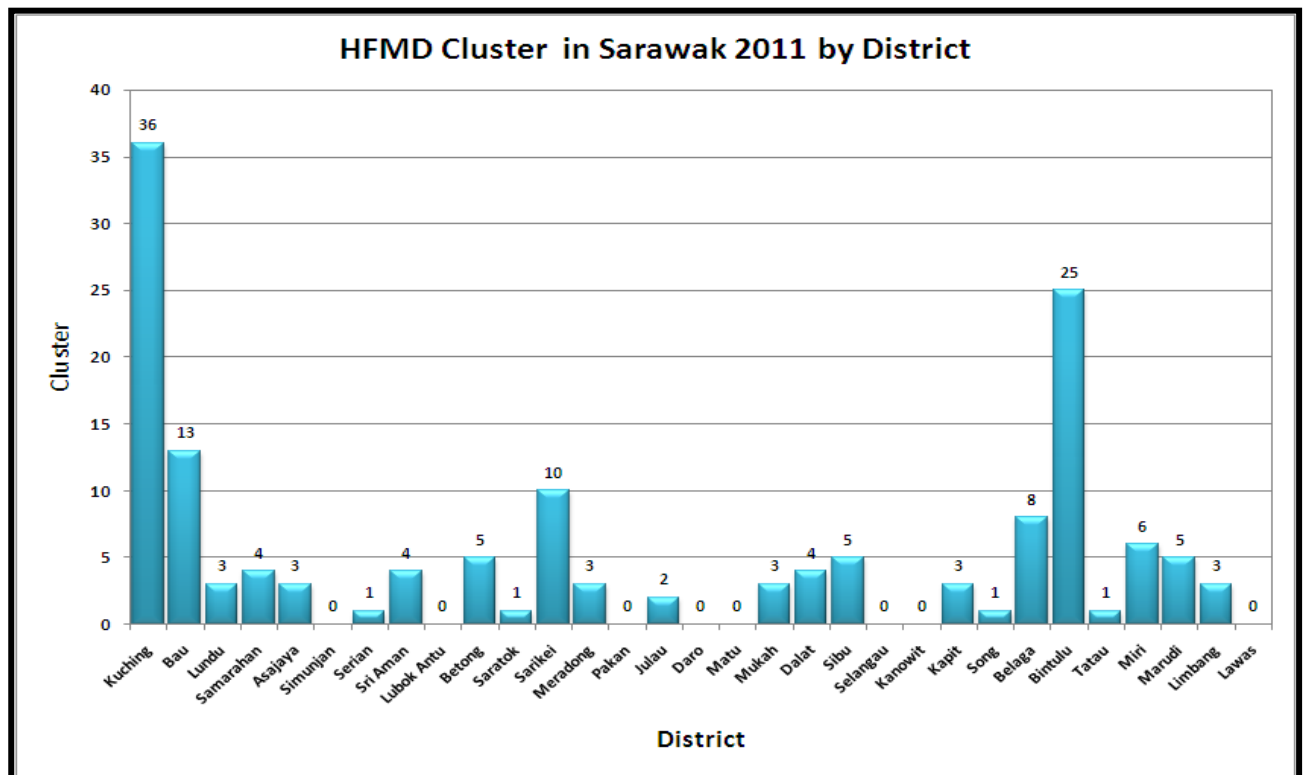
A cumulative total of 3,077 cases reported compared to 4,944 cases during the same period in 2010.

### 5.2.1. Cumulative HFMD Clusters as of 10<sup>th</sup> November 2011.

Six HFMD clusters reported in Epid. Week 49, 2011 involving family clusters at Bau (2), Bintulu (1), Lundu (1), Sarikei (1) and Dalat (1) districts.

As at 10<sup>th</sup> December 2011, a total of 149 clusters were reported. Of these, 118 (79.19%) were family cluster, 21 (14.76%) were cluster in preschool facilities, eight (5.37%) were in school and two (1.34%) was in *nursery* or day care centre.





**5.3. Notified Leptospirosis cases for Epid. Week 49, 2011 compared to Epid. Week 49, 2010 and cumulative cases till Epid. Week 49 in 2011.**

District	Case classification (positive)				Total positive leptospirosis	
	Confirmed		Probable		2011	2010
	EW 49/2011	EW 49/2010	EW 49/2011	EW 49/2010		
Bau	0	0	0	0	1	1
Lundu	0	0	0	0	1	0
Kuching	0	0	0	0	34(2)	12
Asajaya	0	0	0	0	3	0
Samarahan	0	0	0	0	5	1
Serian	0	0	0	0	8	2
Simunjan	0	0	0	0	5(1)	1
Sri Aman	0	0	2(1)	0	11(1)	1
Lubok Antu	0	0	3	0	11	3(1)
Betong	0	0	0	0	4(1)	0
Saratok	0	0	0	0	7	0
Sarikei	0	0	0	0	0	1
Meradong	0	0	0	0	0	1
Pakan	2	0	0	0	3	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)	1
Matu	0	0	0	0	0	0
Belawai	0	0	0	0	1	0
Sibu	0	0	0	0	3	6
Kanowit	0	0	0	0	3	1
Selangau	0	0	0	0	2	0
Song	0	0	0	0	1	2
Kapit	0	0	0	0	9	1
Belaga	0	0	0	0	5(1)	0
Tatau	0	0	0	0	0	0
Bintulu	1	0	0	0	11(3)	6
Miri	1	0	0	0	6	3
Marudi	0	0	0	0	2	2
Limbang	0	0	0	0	2(1)	1
Lawas	0	0	0	0	0	0
<b>Total</b>	<b>4</b>	<b>0</b>	<b>5(1)</b>	<b>0</b>	<b>141(11)</b>	<b>49(1)</b>

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 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 9<sup>th</sup> December 2010 (Surat Pekeliling Ketua Pengarah Kesihatan Malaysia Bil. 33/2010**



### 5.3.1 Summary of Leptospirosis death in Sarawak as at 10<sup>th</sup> December 2011

No.	District	Hospital	Age (years)	Race	Gender	Date of Death	Concurrent Medical Illness	Occupation
1	Daro	Sibu	37	Melanau	Male	27/01/2011	Asthma	Farmer
2	Belaga	Bintulu	24	Indonesian	Male	8/4/2011	--	General Worker, Rimbunan Hijau Palm Oil Plantation, Sungai Koyan, Belaga
3	Bintulu	Bintulu	40	Kadazan	Male	15/5/2011	Asthma	Bussinessman
4	Limbang	Miri	17	Iban	Male	20/05/2011	--	Mechanic (Tyre Man) at Kuari Lubok Lasas
5	Bintulu	Bintulu	42	Iban	Male	28/06/2011	Intrabdominal sepsis with ARF 2° retroviral +ve	Cleaner
6	Sri Aman	SGH	36	Iban	Male	29/06/2011	--	Lorry Driver
7	Betong	SGH	48	Malay	Male	03/07/2011	--	Labour
8	Kuching	SGH	45	Chinese	Male	17/07/2011	DM, HPT and CVA	Nil
9	Kuching	SGH	57	Chinese	Male	10/09/2011	Severe hypotension	Retired clerk @ Telekom Malaysia
10	Bintulu	Bintulu	52	Melanau	Male	1.08.2011	Not Known	"Grass Cutter" - Cut grass around Bintulu town
11	Sri Aman	SGH	76	Iban	Female	9/5/2011	Not Known	Nil

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

5.4. Notified Melioidosis cases for Epid. Week 49, 2011 compared to Epid. Week 49, 2010 and cumulative cases till Epid. Week 49 in 2011.

District	Blood test result				Total positive	
	Positive				2011	2010
	Culture		Serology			
	EW 49/2011	EW 49/2010	EW 49/2011	EW 49/2010		
Bau	0	0	0	0	2	0
Lundu	0	0	0	0	0	0
Kuching	0	0	0	1	6(1)	12(1)
Asajaya	0	0	0	0	0	0
Samarahan	0	0	0	0	0	0
Serian	0	0	0	0	1	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(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(1)
Daro	0	0	0	0	0	0
Matu	0	0	0	0	0	0
Belawai	0	0	0	0	0	0
Sibu	0	0	0	0	1	5(1)
Kanowit	0	0	0	0	0	1
Selangau	0	0	0	0	1	6(2)
Song	0	0	0	0	1	7(2)
Kapit	0	0	0	2	62(3)	162(1)
Belaga	0	0	0	0	14(3)	28(1)
Tatau	0	0	0	0	4(1)	14(4)
Bintulu	0	0	0	0	5	49(1)
Miri	0	0	0	0	3(1)	35(1)
Marudi	0	0	0	0	1	7
Limbang	0	0	0	0	0	2
Lawas	0	0	0	0	0	1(1)
Total	0	0	0	3	107(9)	343(18)

Note: ( ) Death; 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. Summary of Melioidosis deaths in Sarawak as at 10<sup>th</sup> December 2011.

No.	# District	® Hospital	Age	Race	Gender	Date of Death	Concurrent medical illness	Occupation
1	Tatau	Bintulu	45	Melayu	Male	17/01/2011	-	Surveyor
2	Kapit	Kapit	32	Beketan	Female	24/01/2011	-	Farmer & Part time Palm Plantation
3	Belaga	SGH	37	Iban	Male	30/01/2011	-	Maintenance assistant at Matang Wildlife Centre & Part time staff of WIMOR Project at Bakun
4	Belaga	Bintulu	41	Chinese	Male	23/02/2011		Mechanic at Penyuan Camp, Belaga
5	Belaga	Bintulu	52	Penan	Female	10/03/2011	Schizophrenia on treatment	Farmer
6	Belaga	Bintulu	32	Kenyah	Male	11/03/2011	-	Part time staff of WIMOR Project at Bakun
7	Kapit	Kapit	59	Iban	Male	13/03/2011	-	Farmer
8	Miri	Bintulu	37	Iban	Female	01/05/2011	Spleen abscess with DM on oral treatment	Housewife
9	Kapit	Sibu	17	Iban	Male	16/10/2011	-	Labourer at Heli Logging Gaat, Kapit

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

® Hospital indicate facility where patient admitted.

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

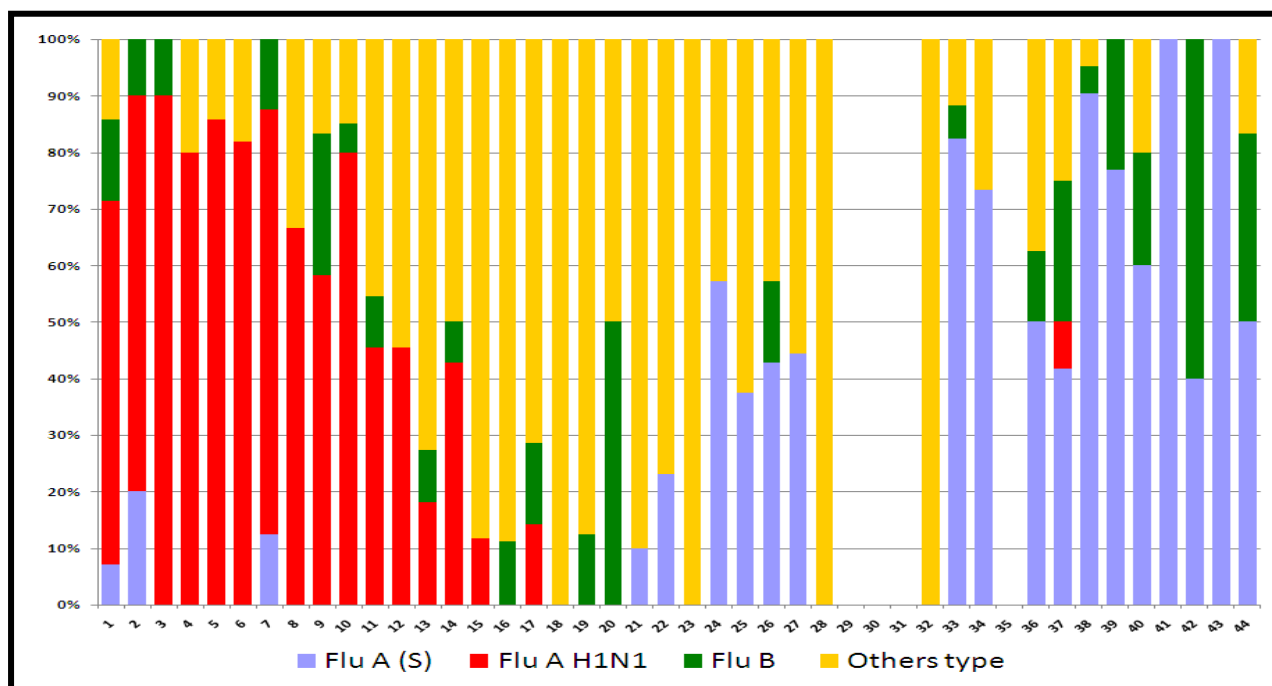
#### 5.4.1. Locality of melioidosis outbreak in Sarawak as at 10<sup>th</sup> December 2011.

No	District	Locality	Number of cases	Outbreak declared
1	Kapit	Iron Wall Logging Camp	3	21/01/2011
2	Belaga	Bakun Hydroelectric Project	3	15/02/2011

**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 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 AH1N1 (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).

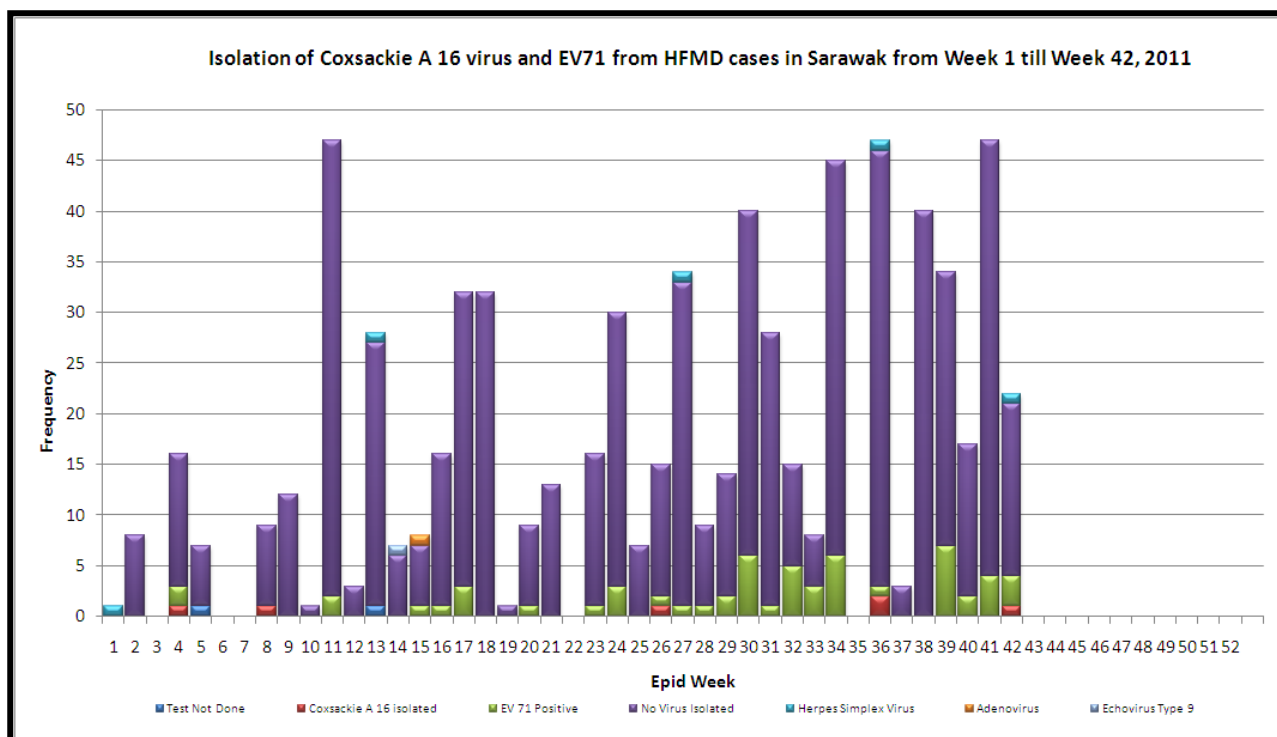
### 6.2. Laboratory Based Surveillance for Measles in Malaysia

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).

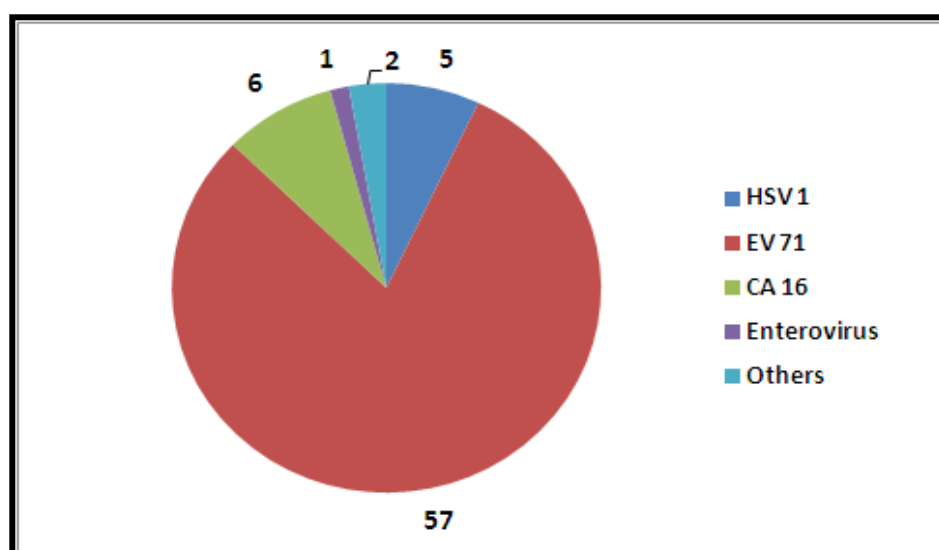
In Sarawak, as at Epid Week 45, 2011, a total of 284 specimens for serology test were to MKAK Sg Buloh. Of these, 21 specimens were positive for measles IgM and 40 positive for rubella IgM. Only 30 specimens for measles viral isolation from Sarawak were sent to MKAK Sg. Buloh but so far none were positive.

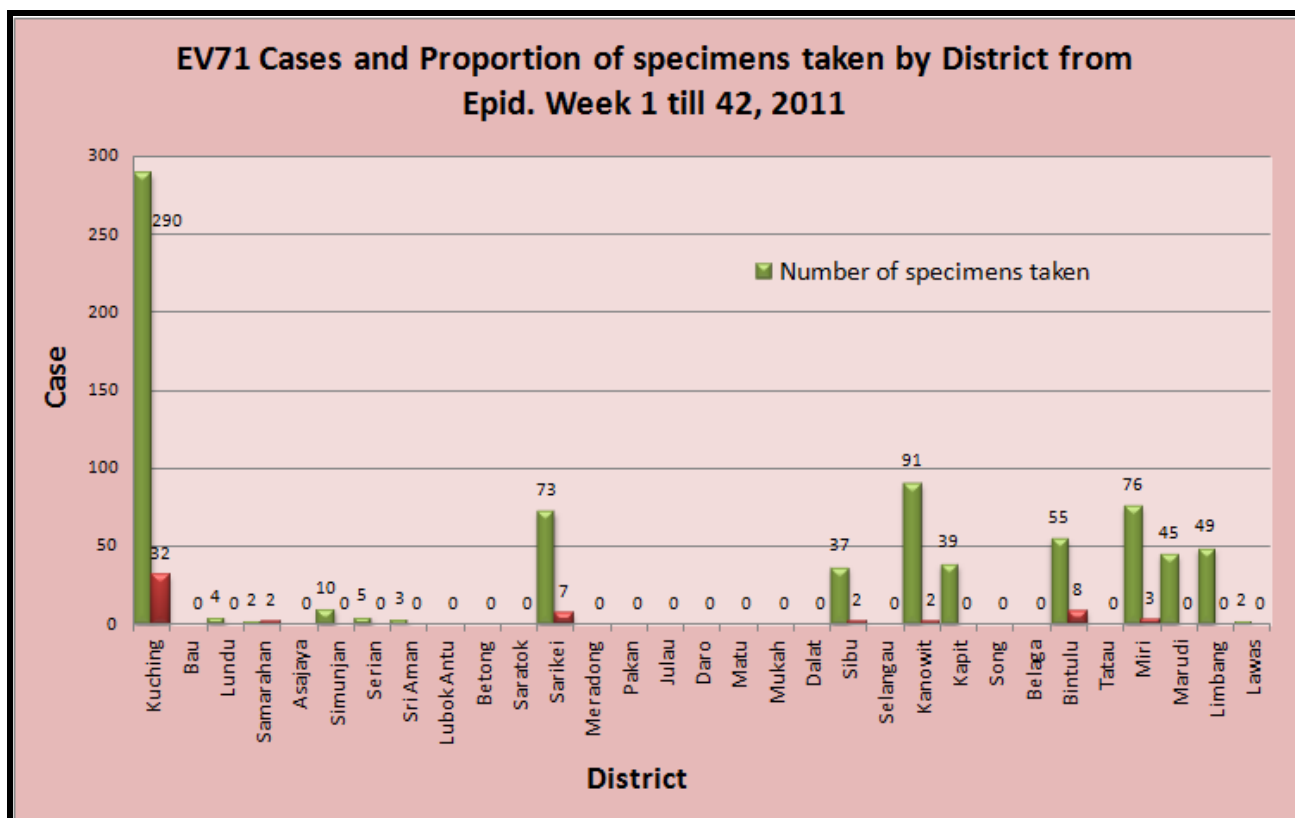
### 6.3. Laboratory Based Surveillance for HFMD in Sarawak from Epid Week 1 till Epid Week 42, 2011.



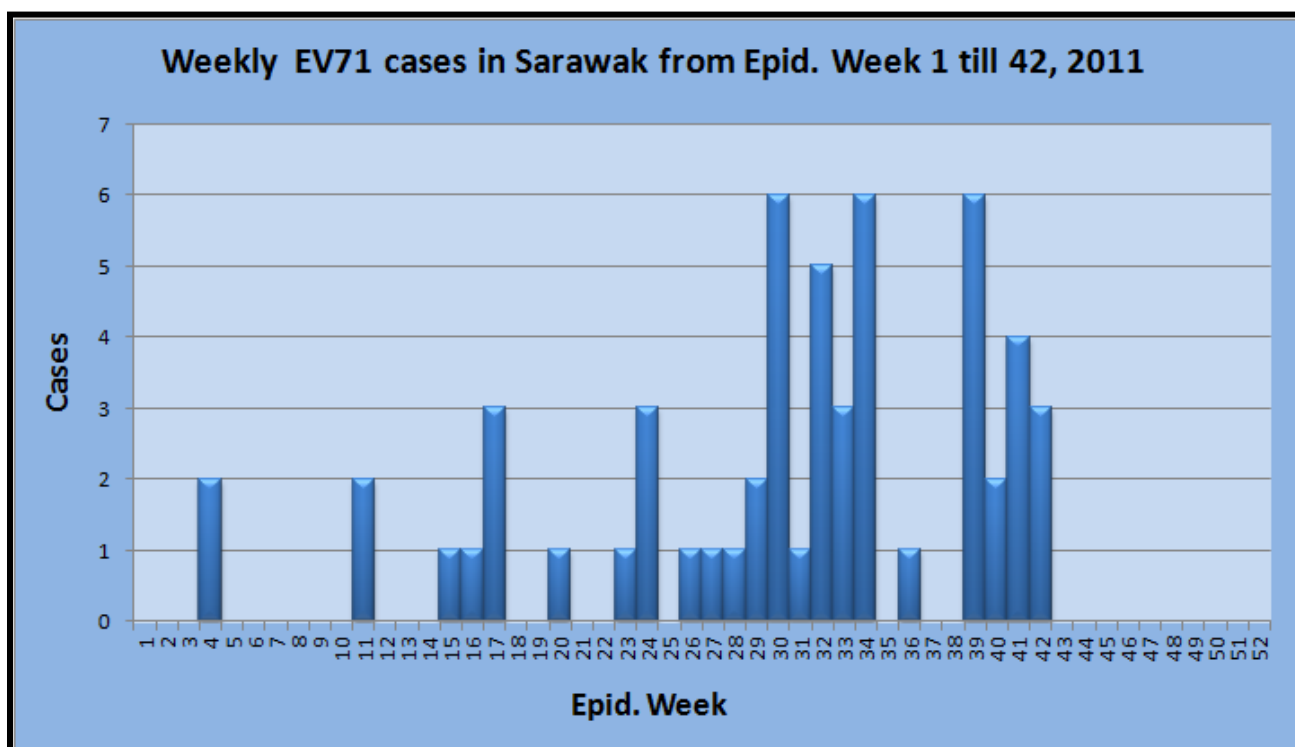
\*results from EW 43 onwards are still pending

In Sarawak, as at Epid. Week 42, 2011, a total of 721 specimens were sent to MKAK Sg. Buloh for viral isolation. Of these, 71 specimens isolated viruses: EV71 (57), Coxsackie A16 (6), Herpes Simplex (HSV 1) [5], Adenovirus (1) and Echovirus Type 9 (2).





\*results from EW 43 onwards are still pending

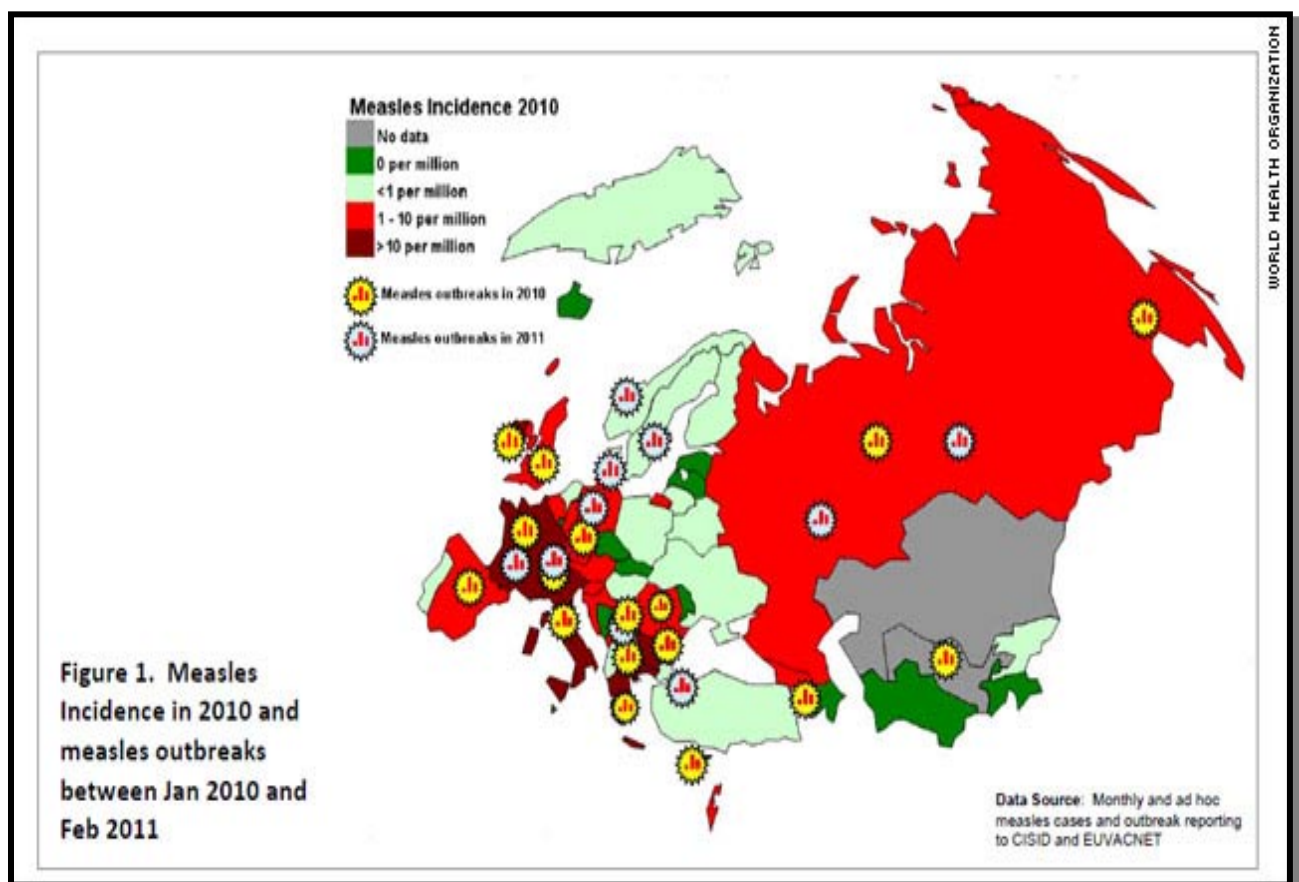


\*results from EW 43 onwards are still pending

## Increase Transmission and Outbreak of Measles in European Region, 2011.

As of 26 October 2011, 115 measles outbreak were reported in 36 out of 53 WHO member states in the European region with more than 26 000 cases. France reported the largest number of cases (> 14 000), followed by Spain, Romania, Yugoslavia, Uzbekistan and others. These occurred predominantly among older children and young adults who had not been vaccinated or those with unknown history of vaccination. The primary reason for the increase transmission and outbreaks in the region is failure to vaccinate.

(Source: WHO, weekly epidemiological record, 2 December 2011)



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 9<sup>th</sup> December 2010;

2) **All Malaria cases should 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 26<sup>th</sup> November 2011):

Bil.	Nama/Jawatan	Alamat	Email	Telefon/Faks/No. Hp
1	Ketua Penolong Pengarah Kanan Dr. Razitasham Safii	Seksyen Kawalan Penyakit Berjangkit, Jabatan Kesihatan Negeri Sarawak,	<a href="mailto:razitasham@srwk.moh.gov.my">razitasham@srwk.moh.gov.my</a>	Tel: 082-421442 Fax: 082-234571 Hp: 013-8047635
2	Ketua Penolong Pengarah Dr. Noorzilawati Sahak	Seksyen Kawalan Penyakit Berjangkit, Jabatan Kesihatan Negeri Sarawak,	<a href="mailto:dmnoorzila@gmail.com">dmnoorzila@gmail.com</a>	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 Aduce, 93250 KUCHING.	<a href="mailto:kamarudin@srwk.moh.gov.my">kamarudin@srwk.moh.gov.my</a>	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.	<a href="mailto:julaidah.s@srwk.moh.gov.my">julaidah.s@srwk.moh.gov.my</a>	Tel: 082-673626 Fax: 082-673632 Hp: 019-8270869
5	Pegawai Kesihatan Bahagian Bahagian Sri Aman Dr. Murnihayati Ali	Pejabat Kesihatan Bahagian, Bahagian Sri Aman, Tingkat 3, Wisma Persekutuan, Jalan Hospital 95007 SRI AMAN.	<a href="mailto:murnihayati.ali@yahoo.com">murnihayati.ali@yahoo.com</a>	Tel: 083-332176 Fax: 083-322058 Hp: 012-5066751
6	Pegawai Kesihatan Bahagian Bahagian Betong Dr. Jeffery Stephen	Pejabat Kesihatan Bahagian, Bahagian Betong, KM 2, Jalan Betong, 95700 BETONG.	<a href="mailto:stieffery@srwk.moh.gov.my">stieffery@srwk.moh.gov.my</a>	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	<a href="mailto:hasrina@srwk.moh.gov.my">hasrina@srwk.moh.gov.my</a>	Tel: 084-651077 Fax: 084-654088 Hp: 013-3403363
8	Pegawai Kesihatan Bahagian Bahagian Sibu Dr. Muhamad Rais Abdullah	Pejabat Kesihatan Bahagian, Bahagian Sibu, Tingkat 5, Wisma Persekutuan, Persiaran Brooke, 96000 SIBU.	<a href="mailto:mdrais@srwk.moh.gov.my">mdrais@srwk.moh.gov.my</a>	Tel: 084-315494 Fax: 084-348284 Hp: 019-8196459
9	Pegawai Kesihatan Bahagian Bahagian Kapit Dr. Ngian Hie Hung	Pejabat Kesihatan Bahagian, Bahagian Kapit, Tingkat 3, Wisma Persekutuan, 96800 KAPIT.	<a href="mailto:ngianhu@srwk.moh.gov.my">ngianhu@srwk.moh.gov.my</a>	Tel: 084-796404 Fax: 084-332502 Hp: 017-8030839
10	Pegawai Kesihatan Bahagian Bahagian Mukah Dr. Hj. Osman Haji. Rafaie	Pejabat Kesihatan Bahagian, Bahagian Mukah, Jalan Haji Muhammad Pauzi, 96400 MUKAH.	<a href="mailto:dho_mukah@yahoo.com">dho_mukah@yahoo.com</a>	Tel: 084-873301 Fax: 084-872963 Hp: 013-8014700
11	Pegawai Kesihatan Bahagian Bahagian Bintulu Dr. Abdul Rahim Abdullah	Pejabat Kesihatan Bahagian, Bahagian Bintulu, Lebuhraya Abang Galau, 97000 BINTULU.	<a href="mailto:dr.abdrahim@srwk.moh.gov.my">dr.abdrahim@srwk.moh.gov.my</a>	Tel: 086-331455 Fax: 086-661814 Hp: 013-3440575
12	Pegawai Kesihatan Bahagian Bahagian Miri Dr. Faizul Mansoor	Pejabat Kesihatan Bahagian, Bahagian Miri, Jalan Temenggong Oyong Lawai Jau, 98000 MIRI.	<a href="mailto:bmfaizul@srwk.moh.gov.my">bmfaizul@srwk.moh.gov.my</a>	Tel: 086-424722 Fax: 086-429987 Hp: 013-8335504
13	Pegawai Kesihatan Bahagian Bahagian Limbang Dr. Norliza Jusoh	Pejabat Kesihatan Bahagian, Bahagian Limbang, Jalan Pandaruan, 98700 LIMBANG.	<a href="mailto:norlizaj@srwk.moh.gov.my">norlizaj@srwk.moh.gov.my</a>	Tel: 085-211046 Fax: 085-429987 Hp: 019-8163163

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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.