



SARAWAK WEEKLY EPID NEWS

Sarawak Health Department

EPID. WEEK 50

9th – 15th December 2012

INFECTIOUS DISEASE/CRISIS HIGHLIGHTS IN SARAWAK

Local update:

Dengue cases still above the outbreak level in the state. See detail in page 15.

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SARAWAK
State Health Department

CPRC (CRISIS PREPAREDNESS AND RESPONSE CENTRE)

Communicable Disease Control Section, Sarawak Health Department

(Phone: 082-443248; e-mail: opsroom_jkns@srwk.moh.gov.my or cdcjkns@gmail.com; Fax: 082-443098)

2. NEW OUTBREAKS/CLUSTERS

No	Disease	District	Locality	Case (No)	Outbreak declared
1	Dengue	Lubok Antu	Rh. Ngumbang, Ng. Sumpa	2	12 th December 2012
2	Dengue		SALCRA Merindun	2	10 th December 2012
3	Food Poisoning	Sri Aman	Rumah Mengga, Batu Besai	12	11 th December 2012

3. SUMMARY OF MANDATORY NOTIFIABLE DISEASES REPORTED IN EPID. WEEK 50, 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						1					2									1							
Bau						2																					
Kuching	1/2					4				7	22								1					1			1
Samarahan											1									1							1
Asajaya										2	1									2							
Simunjan											3									1							
Serian						2					8	1															
Sri Aman	1/0					3			12		1																
L/ Antu						5													1								
Betong						2					8	3												1			
Saratok						1					1	3									1						
Sarikei						4					2													1			
Meradong						3					4																
Pakan						4					1	3															
Julau						1					1	5															
Daro	1/0																										
Matu						5																					
Dalat											1																
Mukah										3										1							
Sibu	0/1					4				1	6	1							1	1				1			
Kanowit																					2						
Selangau						1						1															
Song						1					1	3															
Kapit						3					3	2															
Belaga						2						3															1
Tatau						1						3									1						
Bintulu	3/0					5				1	6								1	3							
Miri						4					2									18							
Marudi						1					1	2															
Limbang										2											1						
Lawas						4						6															
TOTAL (Week 50)	6/3	0	0	0	0	63	0	0	12	16	75	0	36	0	0	0	0	0	4	0	33	0	0	4	0	0	3
Total (2012)	155/97	0	0	111	0	1428	36	0	1463	471	13341	44	1482	12	165	0	0	0	264	1	2089	33	0	137	1	0	266
Total (2011)	164/82	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	73

* 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

4. SURVEILLANCE REPORT ON FOOD-WATER BORNE DISEASES

4.1. Cumulative cases from Epid Week 1-50, 2012

Division	Food poisoning outbreak	Dysentery		Typhoid & paratyphoid fever		Cholera	Hepatitis A	
		S	C	S	C		S	C
Kuching	11	27	3	16	3	0	0	2
Samarahan	10	12	0	3	1	0	0	0
Sri Aman	3	1	0	1	1	0	0	0
Betong	5	12	4	3	1	0	0	0
Sarikei	6	52	23	32	18	0	0	0
Sibu	5	13	3	4	0	0	0	1
Kapit	4	9	1	10	5	0	0	0
Mukah	4	5	2	6	3	0	0	0
Bintulu	3	26	0	3	1	111	0	0
Miri	15	4	0	0	0	0	0	0
Limbang	3	2	0	1	0	0	0	0
Sarawak	71	167	36	80	33	111	0	3

Note: S = Suspected; C = Confirmed

Note:

- Food poisoning outbreak:
 - o Seven (7) were related to Susu 1 Malaysia
 - o Seven were related to mushroom poisoning.
- Typhoid cases:
 - o Seven (7) are *Salmonella paratyphii A*
 - o One (1) is *Salmonella paratyphii B*
 - o Twenty five (25) are *Salmonella typhi*.

4.1.2 Waterborne Outbreak in 2012

No	Outbreak	Locality	Date	No of Cases
1	Cholera	Bintulu Division	14/7 - 13/9	111
2	Typhoid	Rh Meru, Sg. Engkabang, Ulu Entaih, Julau	16/8 - 26/9	2
3		Metanic Estate, Belaga	16/10 - 23/11	5
4	Salmonellosis	Nanga Stras, Meradong	31/7 - 31/8	27
5	AGE	No. 40, Blok G, Ladang Sungai KLAD, Beluru, Miri.	7/11 - 9/11	10

5. SURVEILLANCE REPORT ON VACCINE PREVENTABLE DISEASES

5.1. Total number of Vaccine Preventable Diseases (VPD) by division from Epid Week 1-50, 2012

Division	TYPES OF DISEASES								
	Measles					Rubella	Tetanus	Whooping Cough	
	Suspected (Registered Cases in SM2)	Confirmed			Discard	Lab. Confirmed	C	S	
		Lab. Confirmed	Clinically Confirmed	Epid. Link				S	C
Kuching	118	24	4	10	50	8	0	24	6
Samarahan	30	2	0	1	23	1	0	3	0
Sri Aman	24	3	1	0	16	2	0	0	0
Betong	18	3	0	0	9	1	0	0	0
Sarikei	69	4	0	0	59	0	0	1	0
Sibu	4	2	0	0	2	0	0	10	6
Kapit	37	0	0	0	28	17	0	3	0
Mukah	1	0	0	0	1	0	0	2	0
Bintulu	179	36	3	13	78	28	1	0	0
Miri	211	50	2	0	125	12	0	14	0
Limbang	21	7	0	0	7	0	0	0	0
Sarawak	712	131	10	24	398	69	1	57	12

Note: S = suspected; C = confirmed

Case Definition for Measles

Any person with:

Fever and maculopapular rash and; conjunctivitis or cough or coryza

Or

Any person in whom a clinician suspects a measles infection.

Source: Measles Prevention and Control in Malaysia. Handbook for Healthcare Personnel

MOH, December 2006

Case Classification for Measles :

- Suspected: any person diagnosed as measles by clinician
- Confirmed
 - lab-confirmed – by serology or viral culture
 - epid link – a case that link to a lab confirmed case
 - clinically confirmed – meets clinical case definition with no specimen taken or no epid link.
- Discard :
 - negative IgM measles or
 - positive measles case within 1-6 weeks measles/MMR vaccination

5.2. Measles Elimination Programme (MEP) Achievement by Division from Epid. Week 1-50, 2012

Division	No. Of cases	Indicator High Quality Surveillance (>80%)		
		% of Suspected cases Notified within 24 hours	% of suspected cases with adequate Investigation within 48 hours of notification	% of suspected cases with adequate blood specimens
Kuching	118	110 (93.22%)	77 (65.25%)	109 (92.37%)
Samarahan	30	28 (93.33%)	26 (89.67%)	30 (100.00%)
Sri Aman	24	23 (95.83%)	19 (79.17%)	22 (91.67%)
Betong	18	18 (100.00%)	10 (55.56%)	18 (100.00%)
Sarikei	69	69 (100.00%)	51 (73.91%)	68 (98.55%)
Sibu	4	4 (100.00%)	4 (100.00%)	4 (100.00%)
Kapit	37	37 (100.00%)	35 (94.59%)	37 (100.00%)
Mukah	1	1 (100.00%)	1 (100.00%)	1 (100.00%)
Bintulu	179	177 (98.88%)	162 (90.50%)	170 (94.97%)
Miri	211	205 (97.16%)	195 (92.42%)	207 (98.10%)
Limbang	21	21 (100.00%)	20 (95.24%)	21(100.00%)
Sarawak	712	693 (97.33%)	600 (84.27%)	687 (96.49%)

Strategies for MEP :

- I. Vaccination strategies
 - at least 95% coverage of 1st dose MMR at 1 year
 - 2nd dose MMR at 7 years
- II. Surveillance strategies: Enhanced surveillance in epidemiology and lab
- III. Laboratory strategies*:
 - Confirm all suspected case
 - Isolate and analyses wild measles virus
- IV. Response to outbreak *
- V. Case management
- VI. Training

Adequate Investigation :

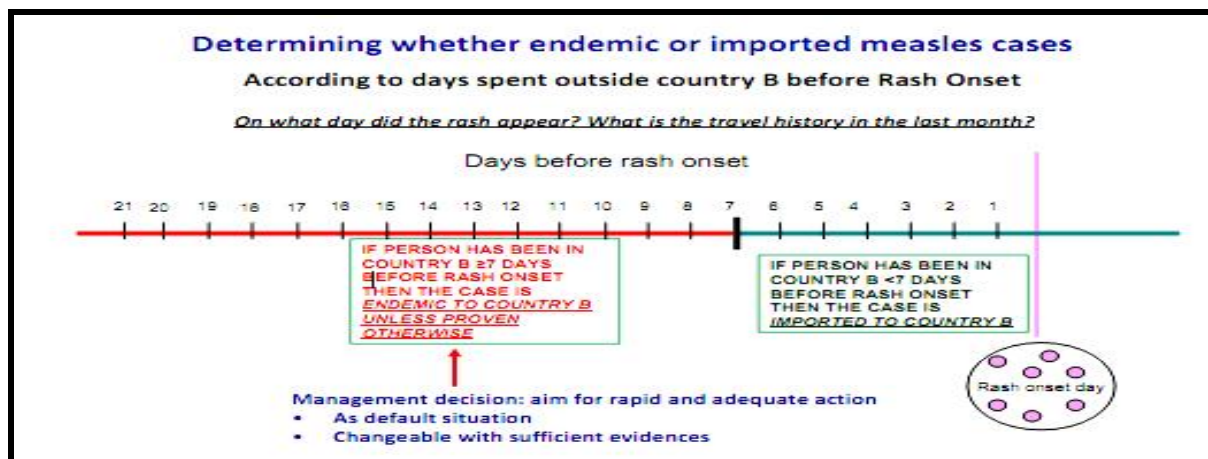
- Investigation within 48 hours of notification
- Include following data : age, sex, date of rash onset, date of specimen collection, vaccination status, date of last vaccination and district.

MCV Vaccination History

- MCV started on 1982
- MCV1 with MMR at 12 month old – July 2002
- MCV2 with MMR at 7 year old – early 2004
- KICK
 - 8 – 15 year old April – September 2004
 - 17 year old – 2005

30 years old – now in 2012

24 years old – now in 2012

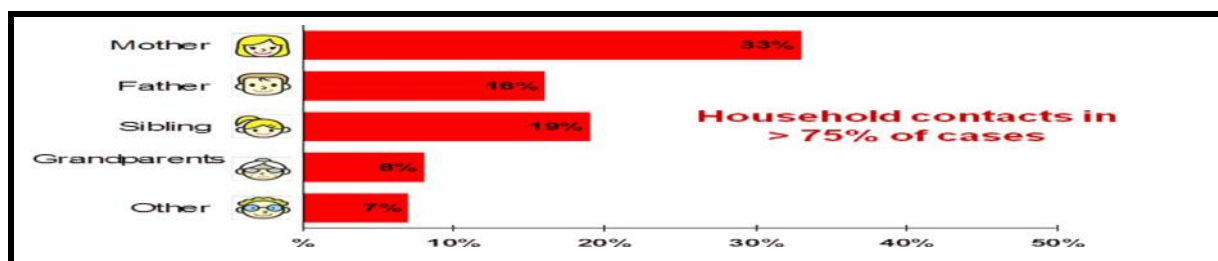


Clinical Case Definition for Pertussis

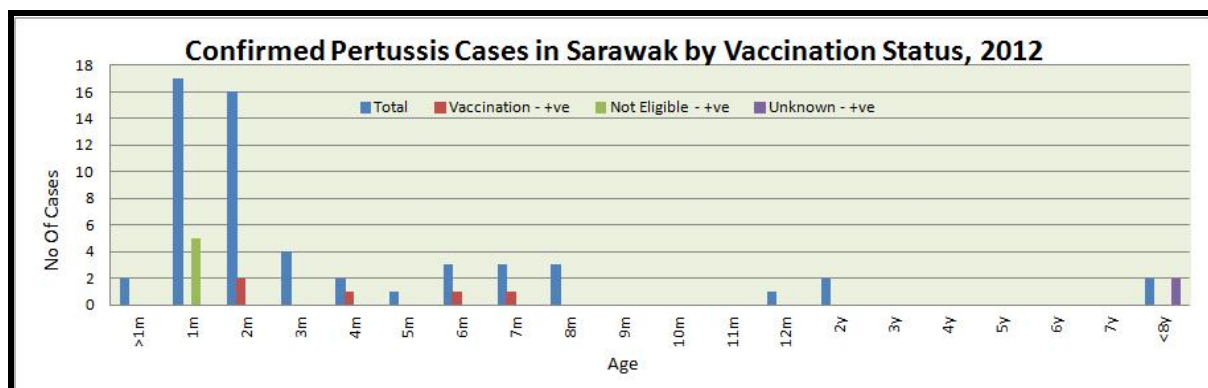
- A person with a cough lasting at least 2 weeks
 - **WITH** at least one of the following:
 - Paroxysms of coughing,
 - Inspiratory "whoop," or
 - Post-tussive vomiting,
 - **AND**
 - without other apparent cause (as reported by a health professional).

(MOH, 2012)

Who infect infant?



Confirmed Pertussis Cases In Sarawak By Vaccination Status, 2012



5.3 Positive VPD Outbreak in 2012

No	Outbreak	District	Locality	Outbreak Declared	No of Cases
1	Measles	Kuching	SGH, Kuching	23-Apr-12	14
2			Tmn. Duranda, Bt.17 Kuching, Serian	15-May-12	3
3	Rubella	Kapit	SMK. Kapit No.2/SK Sg. Kapit	26-Sep-12	20
4	Measles	Bintulu	Ladang SPI Bintulu	16-Jan-12	12
5			GT Plywood	16-Jan-12	4
6			Rh Alooh, Sg. Seterus	2-Feb-12	5
7			Ladang Bayu Samudera	8-Feb-12	14
8	Rubella		Jaya Front Samalaju	28-May-12	6
9			UPM	1-Aug-12	22
10	Measles	Miri	Pujut Padang Kerbau	15-Jan-12	6
11			Hollystone Kuala Baram	18-Jan-12	4
12			Desa Pujut	24-Feb-12	2
13			Permyjaya Miri	11-Mar-12	2
14			Desa Indah, Permyjaya	21-Jun-12	2
15	Rubella	Marudi	SMK Marudi	6-Oct-12	9
16	Measles	Limbang	Kpg. Bukit Timpas	2-Mar-12	2
17	Pertussis	Sibu	Rh. Seliau Ulu Oya	11-Oct-12	3

5.4 Acute Flaccid Paralysis (AFP)

Reported AFP cases in Sarawak, EPID week 1-50, 2012.

Division	Population age < 15	Reported AFP 2011	¹ Expected AFP 2012	Reported AFP 2012	Indicators		
					² Adequate stool	Adequate follow up	Discard category
Kuching	238,400	2	2	1	1	1	Discard 1-GBS
Samarahan	79,300	2	1	1	0	1	Non AFP
Sri aman	33,300	0	1	0	0	0	0
Betong	43,600	0	1	0	0	0	0
Sibu	97,900	0	1	0	0	0	0
Kapit	37,400	0	1	0	0	0	0
Mukah	30,100	0	1	0	0	0	0
Sarikei	65,000	0	1	0	0	0	0
Miri	123,500	2	1	2	2	2	Discard 1- 2(GBS & Transverse Myelitis)
Bintulu	75,800	0	1	1	0	1	Non AFP
Limbang	30,400	0	1	0	0	0	0
TOTAL	854.7	6	12	5		7	5

¹Target Non AFP = 1 case per 100 000 population <15 years old.

Note :

-Notification period of 14 days from the date of onset : Target >80%

-Investigation within 48 hours of notification : Target >80%

-²Collection of two stool specimens within 14 days from the onset of paralysis : Target >80%

Case Definition of AFP :

Sudden onset of acute paralysis especially in the legs or arms in children less than 15 years old.

6. SURVEILLANCE REPORT ON HIV/AIDS AND STI

6.1 Notified HIV/AIDS cases for Epid. Week 50, 2012 and cumulative cases from Epid.Week 1 until Epid. Week 50, 2012.

District / Division	2012			
	EW 50		Cumulative	
	HIV	AIDS	HIV	AIDS
Lundu	0	0	2	2
Bau	0	0	2	1
Kuching	1	2	50	27
KUCHING	1	2	54	30
Samarahan	0	0	7	4
Asajaya	0	0	3	1
Simunjan	0	0	3	2
Serian	0	0	6	4
SAMARAHAN	0	0	19	11
Sri Aman	1	0	6	2
LubokAntu	0	0	1	0
SRI AMAN	1	0	7	2
Betong	0	0	3	0
Saratok	0	0	0	0
BETONG	0	0	3	0
Sarikei	0	0	1	2
Meradong	0	0	1	3
Pakan	0	0	0	0
Julau	0	0	0	0
SARIKEI	0	0	2	5
Daro	1	0	3	0
Matu	0	0	0	0
Dalat	0	0	0	0
Mukah	0	0	0	1
MUKAH	1	0	3	1
Sibu	0	1	15	14
Kanowit	0	0	1	2
Selangau	0	0	0	0
SIBU	0	1	16	16
Song	0	0	0	1
Kapit	0	0	2	2
Belaga	0	0	0	0
KAPIT	0	0	2	3
Tatau	0	0	2	1
Bintulu	3	0	19	14
BINTULU	3	0	21	15
Miri	0	0	17	6
Marudi	0	0	2	1
MIRI	0	0	19	7
Limbang	0	0	5	5
Lawas	0	0	4	2
LIMBANG	0	0	9	7
Sarawak	6	3	155	97

EW = Epid. Week; Cum. = Cumulative figure

6.2 Notified Gonorrhoea and Syphilis (all forms) cases for Epid. Week 50, 2012 and Cumulative cases from Epid. Week 1, 2012 until Epid.Week 50, 2012.

District / Division	Gonorrhoea		Syphilis (all forms)	
	EW 50	Cum.	EW 50	Cum.
Lundu	0	5	0	3
Bau	0	9	0	7
Kuching	7	203	1	76
KUCHING	7	217	1	86
Samarahan	0	34	0	17
Asajaya	2	32	0	9
Simunjan	0	8	0	8
Serian	0	10	0	2
SAMARAHAN	2	84	0	36
Sri Aman	0	5	0	22
Lubok Antu	0	2	1	6
SRI AMAN	0	7	1	28
Betong	0	4	0	3
Saratok	0	1	0	7
BETONG	0	5	0	10
Sarikei	0	5	0	6
Meradong	0	6	0	5
Pakan	0	1	0	2
Julau	0	1	0	0
SARIKEI	0	13	0	13
Daro	0	6	0	2
Matu	0	8	0	1
Dalat	0	0	0	0
Mukah	3	12	0	4
MUKAH	3	26	0	7
Sibu	1	67	1	45
Kanowit	0	1	0	2
Selangau	0	5	0	1
SIBU	1	73	1	48
Song	0	0	0	0
Kapit	0	2	0	4
Belaga	0	0	0	0
KAPIT	0	2	0	4
Tatau	0	0	0	0
Bintulu	1	12	1	11
BINTULU	1	12	1	11
Miri	0	18	0	7
Marudi	0	5	0	3
MIRI	0	23	0	10
Limbang	2	7	0	5
Lawas	0	2	0	7
LIMBANG	2	9	0	11
Sarawak	16	471	4	264

EW = Epid. Week; Cum. = Cumulative figure

7. SURVEILLANCE REPORT ON TUBERCULOSIS (ALL FORMS) AND LEPROSY.

7.1 Notified Tuberculosis cases for Epid. Week 50, 2012 compared to Epid. Week 50, 2011 and cumulative cases until Epid. Week 50, 2012.

District / Division	2012		2011		Total
	EW 50	Cum.	EW 50	Cum.	
Lundu	1	38	0	21	22
Bau	0	37	0	40	42
Kuching	0	414	10	347	365
KUCHING	1	489	10	408	429
Samarahan	1	26	2	46	46
Asajaya	2	15	1	28	29
Simunjan	1	38	2	37	37
Serian	0	35	0	57	61
SAMARAHAN	4	114	5	168	173
Sri Aman	0	43	0	57	58
LubokAntu	0	26	3	48	49
SRI AMAN	0	69	3	105	107
Betong	0	55	2	42	43
Saratok	1	56	2	54	55
BETONG	1	111	4	96	98
Sarikei	0	69	0	51	51
Meradong	0	26	1	28	29
Pakan	0	25	2	22	22
Julau	0	19	0	22	22
SARIKEI	0	139	3	123	124
Daro	0	14	0	25	27
Matu	0	1	0	4	4
Dalat	0	8	0	14	14
Mukah	1	58	3	41	44
MUKAH	1	81	3	84	89
Sibu	1	208	0	164	175
Kanowit	2	39	0	38	42
Selangau	0	37	0	30	32
SIBU	3	284	0	232	249
Song	0	11	1	30	23
Kapit	0	61	2	59	60
Belaga	0	47	0	39	40
KAPIT	0	119	3	128	123
Tatau	1	37	2	43	43
Bintulu	3	215	1	181	187
BINTULU	4	252	3	224	230
Miri	18	296	3	300	306
Marudi	0	60	3	60	61
MIRI	18	356	6	360	367
Limbang	1	49	0	42	42
Lawas	0	26	0	24	24
LIMBANG	1	75	0	66	66
Sarawak	33	2089	40	1994	2055

EW = Epid. Week; Cum. = Cumulative figure

7.2 Notified Leprosy cases for Epid. Week 50, 2012 compared to Epid. Week 50, 2011 and cumulative cases until Epid. Week 50, 2012.

District / Division	2012		2011		Total
	EW 50	Cum.	EW 50	Cum.	
Lundu	0	0	0	0	0
Bau	0	0	0	0	0
Kuching	0	1	0	1	3
KUCHING	0	1	0	1	3
Samarahan	0	0	0	0	0
Asajaya	0	0	0	0	0
Simunjan	0	1	0	0	0
Serian	0	0	0	0	0
SAMARAHAN	0	1	0	0	0
Sri Aman	0	1	0	0	0
LubokAntu	0	0	0	0	0
SRI AMAN	0	1	0	0	0
Betong	0	0	0	0	0
Saratok	0	0	0	0	0
BETONG	0	0	0	0	0
Sarikei	0	0	0	0	0
Meradong	0	0	0	0	0
Pakan	0	3	0	0	0
Julau	0	0	0	0	0
SARIKEI	0	3	0	0	0
Daro	0	0	0	0	0
Matu	0	0	0	0	0
Dalat	0	0	0	0	0
Mukah	0	4	0	0	1
MUKAH	0	4	0	0	1
Sibu	0	3	0	1	1
Kanowit	0	0	0	0	0
Selangau	0	1	0	0	0
SIBU	0	4	0	1	1
Song	0	0	0	0	0
Kapit	0	0	0	0	0
Belaga	0	4	0	3	6
KAPIT	0	4	0	3	6
Tatau	0	0	0	0	0
Bintulu	0	3	0	1	1
BINTULU	0	3	0	1	1
Miri	0	11	0	0	4
Marudi	0	11	0	0	5
MIRI	0	22	0	0	9
Limbang	0	1	0	3	4
Lawas	0	0	0	0	0
LIMBANG	0	1	0	4	4
Sarawak	0	44	0	10	25

7.3 Notified Tuberculosis (all forms) Case Classification as on 15th December 2012

District / Division	Case classification					
	Positive smear		Negative smear		Extra PTB	
	EW 50	Cum.	EW 50	Cum.	EW 50	Cum.
Lundu	1	28	0	6	0	4
Bau	0	30	0	7	0	0
Kuching	0	244	0	126	0	44
KUCHING	1	302	0	139	0	48
Samarahan	1	21	0	3	0	2
Asajaya	0	7	0	3	2	5
Simunjan	0	30	1	6	0	2
Serian	0	26	0	6	0	3
SAMARAHAN	1	84	1	18	2	12
Sri Aman	0	28	0	10	0	5
LubokAntu	0	23	0	2	0	1
SRI AMAN	0	51	0	12	0	6
Betong	0	43	0	5	0	7
Saratok	1	43	0	9	0	4
BETONG	1	86	0	14	0	11
Sarikei	0	29	0	31	0	9
Meradong	0	15	0	11	0	0
Pakan	0	7	0	14	0	4
Julau	0	8	0	11	0	0
SARIKEI	0	59	0	67	0	13
Daro	0	11	0	2	0	1
Matu	0	1	0	0	0	0
Dalat	0	7	0	0	0	1
Mukah	1	46	0	6	0	6
MUKAH	1	65	0	8	0	8
Sibu	1	142	0	39	0	27
Kanowit	2	26	0	7	0	6
Selangau	0	20	0	9	0	8
SIBU	3	188	0	55	0	41
Song	0	7	0	3	0	1
Kapit	0	29	0	14	0	18
Belaga	0	25	0	15	0	7
KAPIT	0	61	0	32	0	26
Tatau	0	20	1	13	0	4
Bintulu	1	91	2	108	0	16
BINTULU	1	111	3	121	0	20
Miri	11	214	6	61	1	21
Marudi	0	40	0	13	0	7
MIRI	11	254	6	74	1	28
Limbang	0	43	0	3	1	3
Lawas	0	17	0	1	0	8
LIMBANG	0	60	0	4	1	11
Sarawak	19	1321	10	544	4	224

EW = Epid. Week; Cum. = Cumulative figure

7.4 Notified Tuberculosis (all forms) Patient Classification as on 15th December 2012.

District / Division	Patient Classification											
	Children		Health care worker				PUSPEN/Prison		Foreigner		Care Centre	
	EW 50	Cum.	*Exposed		*Not exposed		EW 50	Cum.	EW 50	Cum.	EW 50	Cum.
			EW 50	Cum.	EW 50	Cum.						
Lundu	0	1	0	3	0	3	0	0	1	8	0	0
Bau	0	0	0	1	0	1	0	0	0	0	0	0
Kuching	0	4	0	6	0	6	0	1	0	13	0	0
KUCHING	0	5	0	10	0	9	0	1	1	21	0	0
Samarahan	0	0	0	0	0	0	0	0	0	3	0	0
Asajaya	0	0	0	0	0	0	0	0	0	0	0	0
Simunjan	0	0	0	0	0	0	0	0	0	3	0	0
Serian	0	2	0	0	0	0	0	0	0	1	0	0
SAMARAHAN	0	2	0	0	0	0	0	0	0	6	0	0
Sri Aman	0	0	0	0	0	0	0	0	0	2	0	0
LubokAntu	0	1	0	0	0	0	0	0	0	0	0	0
SRI AMAN	0	1	0	0	0	0	0	0	0	2	0	0
Betong	0	1	0	0	0	0	0	0	0	0	0	0
Saratok	0	0	0	0	0	0	0	0	0	0	0	0
BETONG	0	1	0	0	0	0	0	0	0	0	0	0
Sarikei	0	2	0	3	0	3	0	0	0	4	0	0
Meradong	0	2	0	0	0	0	0	0	0	1	0	0
Pakan	0	0	0	0	0	0	0	0	0	0	0	0
Julau	0	0	0	0	0	0	0	0	0	0	0	0
SARIKEI	0	4	0	3	0	3	0	0	0	4	0	0
Daro	0	0	0	0	0	0	0	0	0	2	0	0
Matu	0	0	0	0	0	0	0	0	0	0	0	0
Dalat	0	0	0	1	0	1	0	0	0	0	0	0
Mukah	0	3	0	1	0	1	0	0	0	3	0	0
MUKAH	0	3	0	2	0	2	0	0	0	5	0	0
Sibu	0	11	0	4	0	4	0	1	0	4	0	0
Kanowit	0	0	0	0	0	0	0	0	1	2	0	0
Selangau	0	3	0	0	0	0	0	0	0	3	0	0
SIBU	0	14	0	4	0	4	0	1	1	9	0	0
Song	0	0	0	0	0	0	0	0	0	0	0	0
Kapit	0	10	0	1	0	1	0	0	0	4	0	0
Belaga	0	8	0	1	0	1	0	0	0	4	0	0
KAPIT	0	18	0	2	0	2	0	0	0	8	0	0
Tatau	1	3	0	0	0	0	0	0	0	16	0	0
Bintulu	0	35	0	3	0	3	0	0	2	43	0	0
BINTULU	1	38	0	3	0	3	0	0	2	59	0	0
Miri	0	3	0	2	0	2	0	1	1	27	0	0
Marudi	0	6	0	0	0	0	0	0	0	4	0	0
MIRI	0	9	0	2	0	2	0	1	1	31	0	0
Limbang	0	1	0	0	0	0	0	0	0	1	0	0
Lawas	0	0	0	1	0	1	0	0	0	0	0	0
LIMBANG	0	1	0	1	0	1	0	0	0	1	0	0
Sarawak	1	96	0	27	0	27	0	3	5	145	0	0

EW = Epid. Week; Cum. = Cumulative figure; KKM=Ministry of Health Malaysia

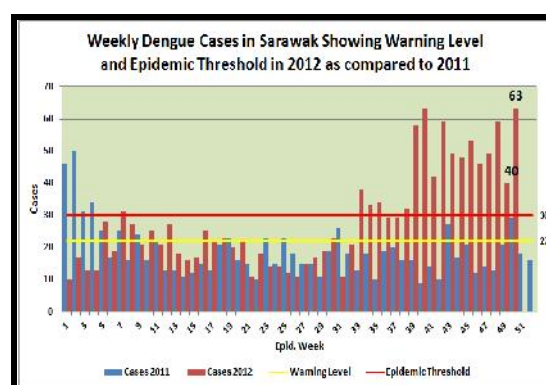
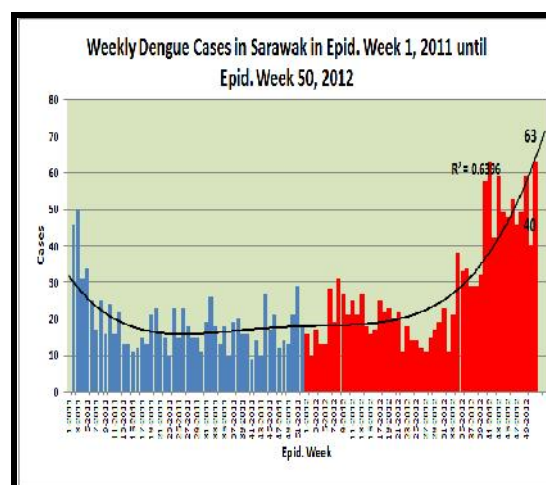
* Possibility of exposed or not exposed to TB patient

Figure for TB notified cases are based on registered TB cases in e-Notifikasi system.

8. SURVEILLANCE REPORT ON VECTOR BORNE DISEASES

8.1. Notified Dengue cases for Epid. Week 50, 2012 compared to Epid. Week 50, 2011 and cumulative cases until Epid. Week 50, 2012.

District	2012		2011		Total
	EW 50	Cum.	EW 50	Cum.	
Lundu	1	13	0	10	10
Bau	2	38	2	32	36
Kuching	4	159	1	104	106
Samarahan	0	35	0	21	21
Asajaya	0	7	0	4	4
Serian	0	22	0	18	18
Simunjan	2	17	2	17	19
Sri Aman	3	98	2	53	56
Lubok Antu	5	67	0	23	23
Betong	2	65	0	12	13
Saratok	1	34	0	10	11
Sarikei	4	47	0	26	28
Meradong	3	62	1	13	14
Pakan	4	56	0	23	23
Julau	1	47	1	17	17
Daro	0	7	0	6	6
Matu	5	9	0	1	1
Dalat	0	9	0	3	3
Mukah	0	13	0	5	5
Sibu	4	79	3	74	75
Kanowit	0	18	0	31	31
Selangau	1	9	0	10	10
Song	1	28	0	10	10
Kapit	3	81	0	28	32
Belaga	2	38	0	26	27
Tatau	1	35	8	46	47
Bintulu	5	113	1	99	100
Miri	4	121	5	125	134
Marudi	1	42	2	59	59
Limbang	0	28	1	20	20
Lawas	4	31	0	14	15
Sarawak	63	1428	29	940	974

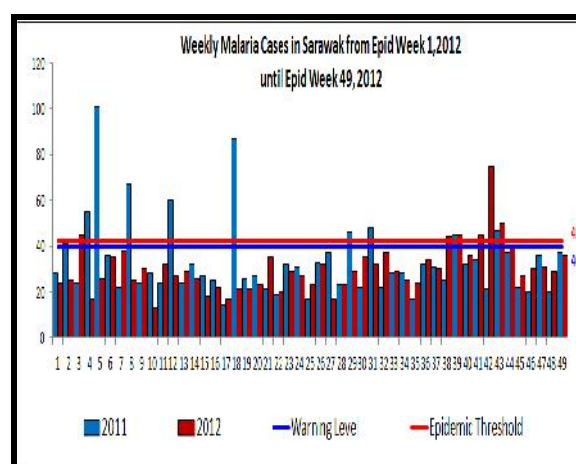
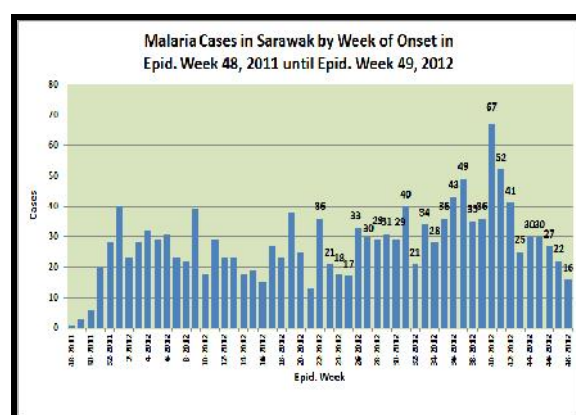
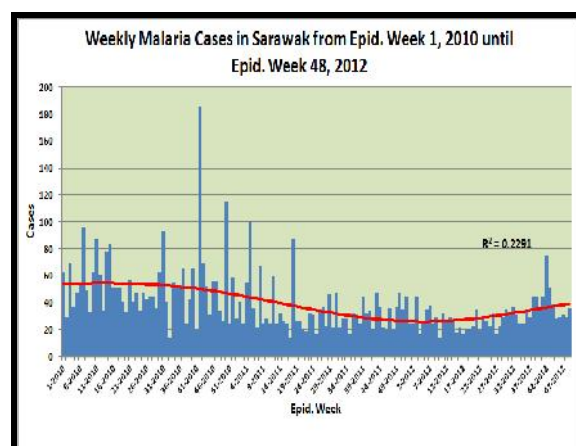


There are 2 new outbreak localities reported for Epid Week 50, both from Lubok Antu. One (1) outbreak locality was still active reported, Matu.

EW = Epid. Week; Cum. = Cumulative figure

8.2. Notified Malaria cases for Epid. Week 49, 2012 compared to Epid. Week 49, 2011 and cumulative cases until Epid. Week 49 in 2012.

District	2012		2011		Total
	EW 49	Cum.	EW 49	Cum.	
Lundu	0	12	0	31	33
Bau	0	0	0	4	5
Kuching	0	18	0	23	23
Samarahan	0	3	0	3	3
Asajaya	0	0	0	1	1
Serian	0	6	0	21	21
Simunjan	1	8	0	2	2
Sri Aman	0	20	0	15	17
Lubok Antu	0	24	0	22	25
Betong	3	67	2	41	47
Saratok	3	35	0	3	3
Sarikei	0	18	0	16	16
Meradong	0	11	0	9	9
Pakan	3	62	1	27	29
Julau	5	85	0	64	69
Daro	0	6	0	2	2
Matu	0	1	1	1	2
Dalat	0	5	0	9	10
Mukah	0	2	0	2	2
Sibu	1	66	1	44	52
Kanowit	0	71	6	82	89
Selangau	1	38	0	15	16
Song	3	103	4	73	78
Kapit	2	217	8	208	230
Belaga	3	163	4	128	139
Tatau	3	29	1	29	34
Bintulu	0	30	0	38	39
Miri	0	28	0	38	40
Marudi	2	253	8	635	670
Limbang	0	29	1	20	21
Lawas	6	72	0	29	34
Sarawak	36	1482	37	1635	1761



A total of 36 cases were reported on week 49, 2012. Cumulative cases till week 49 were 1482 cases. Of the 1482 cases, 253 cases (17%) from Marudi District, 217 cases (15%) from Kapit District and 163 cases (11%) Belaga 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)

8.2.1. Malaria cases by slide source

Slides source	2012	
	EW 49	Cum.
Passive Case Detection (PCD)	35	1320
Active Case Detection (ACD)	0	116
Investigation slides (INV)	0	6
Mass Blood Survey (MBS)	0	11
Follow-up	1	29
Total	36	1482

8.2.2 Malaria cases by species and case classification

Species	Indigenous	Imported	Relapsed	EW49	Cum. 2012
<i>Plasmodium vivax</i>	4	2	1	7	413
<i>Plasmodium falciparum</i>	5	0	0	5	81
<i>Plasmodium malariae</i>	1	0	0	1	8
<i>Plasmodium knowlesi</i>	23	0	0	23	967
<i>Plasmodium ovale</i>	0	0	0	0	7
<i>Mixed infection</i>	0	0	0	0	6
Total	33	2	1	36	1482

8.2.3. The summary of the *Imported A cases

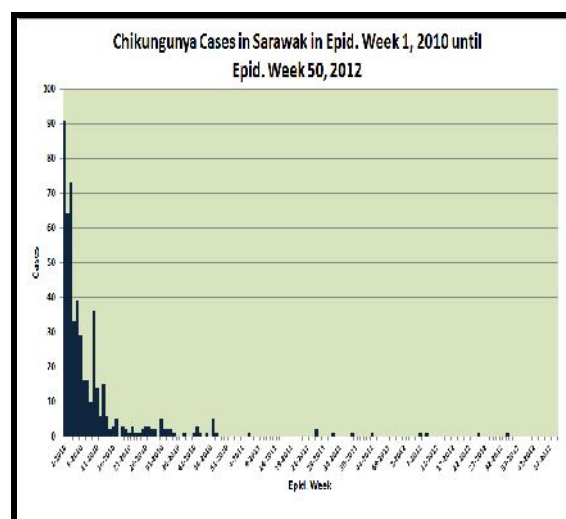
No.	District reported	Source of infection	Outbreak Locality	Nationality	Age	Gender	Species
1	Betong	Swat, Mingwara, Pakistan	No. 39,Tmn. Semumuk PH 1, Betong	Pakistan	24	Male	<i>P. vivax</i>
2	Sibu	KKB Amar, Jawa, Indonesia	Jln. Paradom, Durin, Sibu	Malaysian	46	Male	<i>P. vivax</i>

KKB = Kem Kayu Balak (Logging Camp)

Case Definition Imported A = Source of infection from other country

8.3. Notified Chikungunya cases for Epid. Week 50, 2012 compared to Epid. Week 50, 2011 and cumulative cases until Epid. Week 50 in 2012.

District	2012		2011		Total
	EW 50	Cum.	EW 50	Cum.	
Lundu	0	0	0	0	0
Bau	0	0	0	0	0
Kuching	0	0	0	1	1
Samarahan	0	0	0	0	0
Asajaya	0	1	0	1	1
Serian	0	0	0	1	1
Simunjan	0	0	0	0	0
Sri Aman	0	0	0	0	0
Lubok Antu	0	1	0	0	0
Betong	0	0	0	1	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	1	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	1	0	0	0
Kapit	0	0	0	0	0
Belaga	0	1	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	1	1
Limbang	0	0	0	0	0
Lawas	0	0	0	0	0
Sarawak	0	4	0	6	6



EW = Epid. Week; Cum. = Cumulative figure

8.4. Filariasis

Three cases of Filariasis were reported in Epid Week 50, 2012. During the same period in 2011, no case was reported. The cumulative case of Filariasis for 2012 is 39 cases.

8.5 Japanese Encephalitis (JE)

One case of Japanese Encephalitis (JE) was reported in Epid Week 50, 2012. During the same period in 2011, no case was reported. The cumulative case of Japanese Encephalitis for 2012 is remained 11.

9. SURVEILLANCE REPORT ON OTHER INFECTIOUS DISEASES

9.1. Viral Encephalitis

No case reported. As at 15th December 2012, only one case of Viral Encephalitis reported.

9.2. Viral Hepatitis (all form)

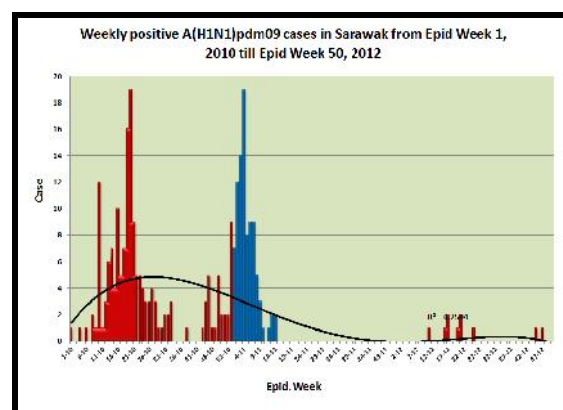
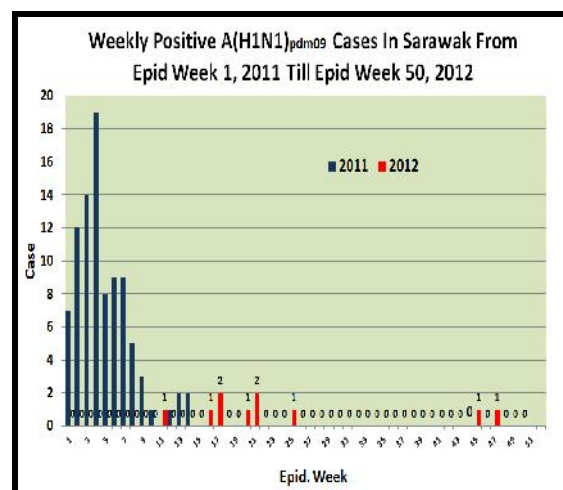
No	Type of Viral Hepatitis	Epid Week 50	Cum. 2012
1	Hepatitis A	0	3
2	Acute Hepatitis B	1	26
3	Chronic Hepatitis B	3	63
4	Acute Hepatitis C	0	16
5	Chronic Hepatitis C	1	29

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

10.1. A/H1N1_{pdm09}

10.1.1 Positive Pandemic Influenza A/H1N1_{pdm09} as for Epid. Week 50, 2012 compared to Epid. Week 50, 2011 and cumulative cases until Epid. Week 50 in 2012.

District	2012		2011		Total
	EW 50	Cum.	EW 50	Cum.	
Lundu	0	0	0	2	2
Bau	0	0	0	0	0
Kuching	0	2	0	51	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	1	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	1	1
Kanowit	0	0	0	0	0
Song	0	0	0	0	0
Kapit	0	0	0	0	0
Belaga	0	2	0	2	2
Tatau	0	1	0	0	0
Bintulu	0	5	0	26	26
Miri	0	0	0	6	6
Marudi	0	0	0	0	0
Limbang	0	0	0	2	2
Lawas	0	0	0	1	1
SARAWAK	0	10	0	92	92

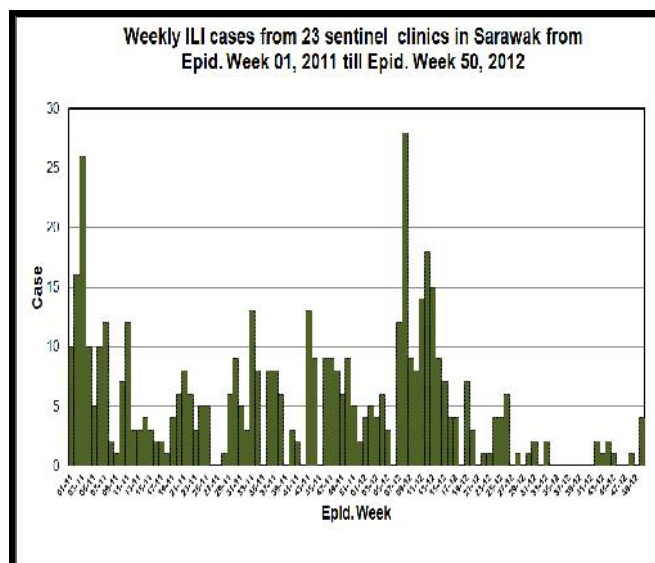


Age Group (Year)	Gender	
	Male	Female
Less Than 1yr	1	1
1-6	4	2
7-12	0	0
13-19	0	0
20-30	0	2
31-40	0	0
41-50	0	0
More than 50 yrs	0	0

Positive H1N1 Cases by Age Group and Gender

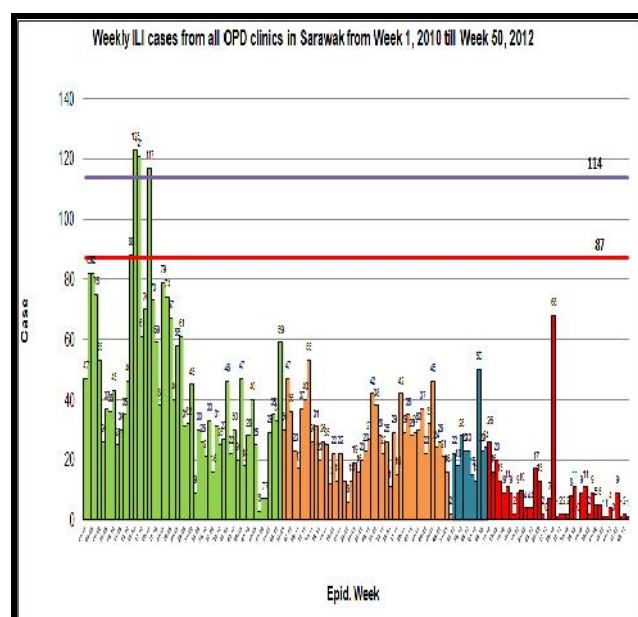
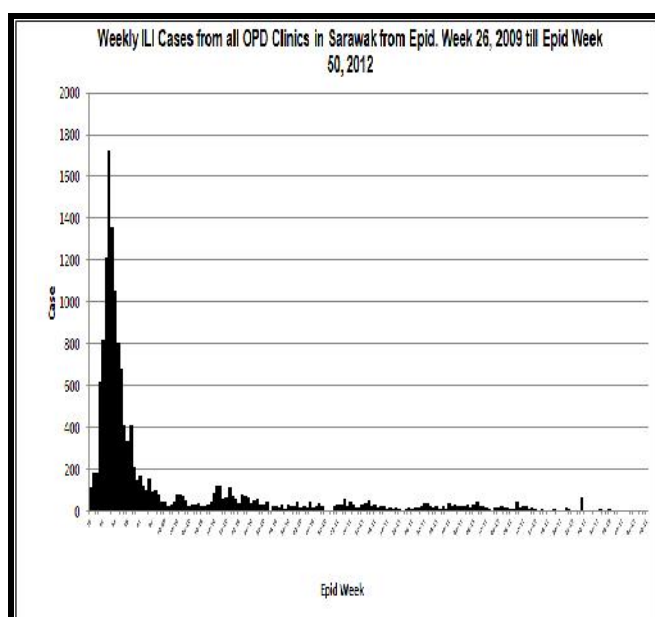
EW = Epid. Week; Cum. = cumulative figure

10.1.2 Outpatient Influenza-Like Illness (ILI) Surveillance from Epid.Week 1 in 2010 till Epid. Week 50 in 2012.



In Epid. Week 50, 2012, four cases of ILI reported from 22 Sentinel clinics and one case from OPD clinics.

ILI is defined as a person with sudden onset of fever > 38°C and cough or sore throat in the absence of other diagnosis (Disease Control Division, Ministry of Health, October 2009).

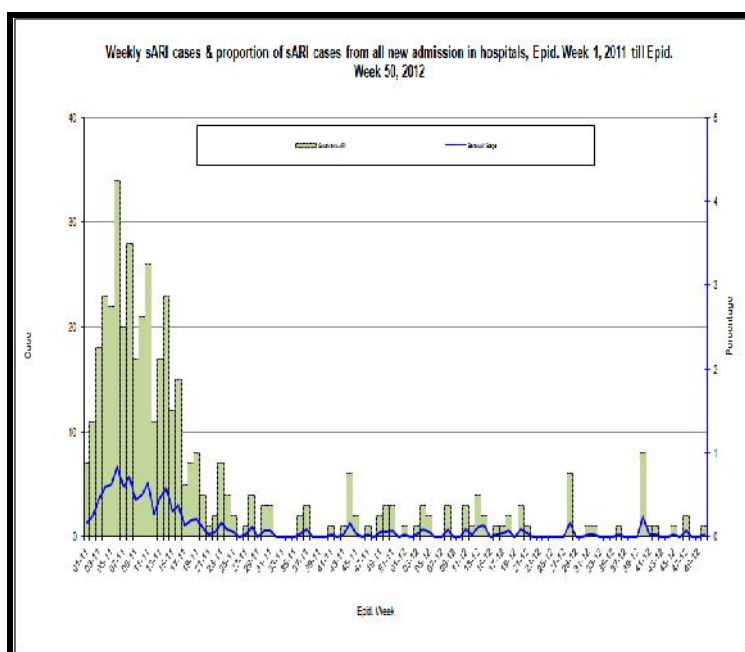


Referring to a letter dated 25 January 2011 from Office of the Deputy Director-General of Health (Public Health), Department of Public Health, Ministry of Health Malaysia about **PEMANTAUAN AKTIVITI A/H1N1pdm09 SECARA BERTERUSAN**, all PKB/PKD must send their daily H1N1 report as well as ILI and sARI surveillance activities to Operations Room, CPRC Unit, CDC Section, Sarawak Health Department **BEFORE 10.00 am every day**.

10.1.3. New and Cumulative ILI Clusters as of 15th December 2012.

No ILI cluster reported. The last cluster was on 3rd November 2011.

10.1.4. 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)

10.1.5. Weekly Summary Report on sARI Admission in Government Hospitals in Sarawak as on 15th November 2012.

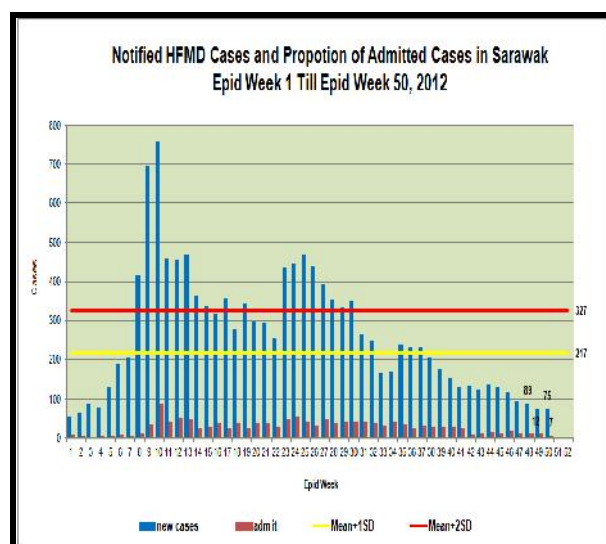
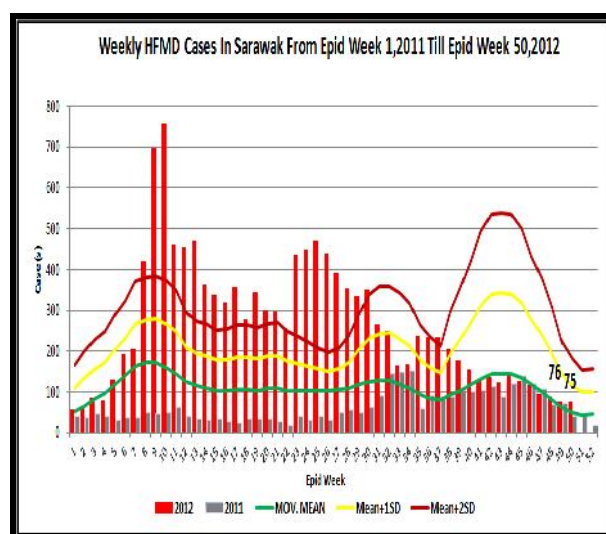
Division	Hospital	New EW 50	Cumulative 2012	No. of Inpatient			No. of Patient on Ventilator	Throat swabs		
				ICU	ISO	Other wards		Positive	Pending	Negative
Kuching	SGH Kuching	0	43	0	0	0	0	0	0	0
	Bau	0	1	0	0	0	0	0	0	0
	Lundu	0	0	0	0	0	0	0	0	0
	RCBM	0	0	0	0	0	0	0	0	0
Samarahan	Serian	1	1	0	0	1	0	0	1	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	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	3	108	0	0	3	0	0	3	0
Miri	Miri	0	1	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

EW = Epid. Week; Cum. = Cumulative figure

Four sARI cases were reported in Epid Week 50, 2012 from Bintulu Hospital(4). The result still pending.

10.2. Notified HFMD (Masterlist) cases for Epid. Week 50, 2012 compared to Epid. Week 50, 2011 and cumulative cases in Epid. Week 50, 2011.

District / Division	2012		2011		Total
	EW 50	Cum.	EW 50	Cum.	
Lundu	2	256	2	31	31
Bau	0	390	3	147	149
Kuching	22	3873	1	594	602
KUCHING	24	4519	6	772	782
Samarahan	1	693	4	127	127
Asajaya	1	91	0	35	35
Simunjan	3	218	0	19	19
Serian	8	730	0	37	39
SAMARAHAN	13	1732	4	218	220
Sri Aman	1	482	0	97	97
Lubok Antu	0	80	1	17	18
SRI AMAN	1	562	1	114	115
Betong	8	379	0	56	57
Saratok	1	271	0	36	37
BETONG	9	650	0	92	94
Sarikei	2	531	0	187	188
Meradong	4	192	0	73	73
Pakan	1	94	0	7	7
Julau	1	133	0	32	32
SARIKEI	8	950	0	299	300
Daro	0	132	1	7	7
Matu	0	86	0	4	4
Dalat	1	119	0	42	84
Mukah	0	162	2	84	42
MUKAH	1	499	3	137	137
Sibu	6	922	2	148	149
Kanowit	0	47	0	22	6
Selangau	0	39	0	6	22
SIBU	6	1008	2	176	177
Song	1	62	0	11	12
Kapit	3	406	0	53	64
Belaga	0	127	2	55	55
KAPIT	4	595	2	119	131
Tatau	0	101	0	25	25
Bintulu	6	834	7	730	747
BINTULU	6	935	7	755	772
Miri	2	1219	13	309	324
Marudi	1	116	0	49	49
MIRI	3	1335	13	358	373
Limbang	0	452	0	65	65
Lawas	0	104	0	4	4
LIMBANG	0	556	0	69	69
SARAWAK	75	13341	38	3109	3170



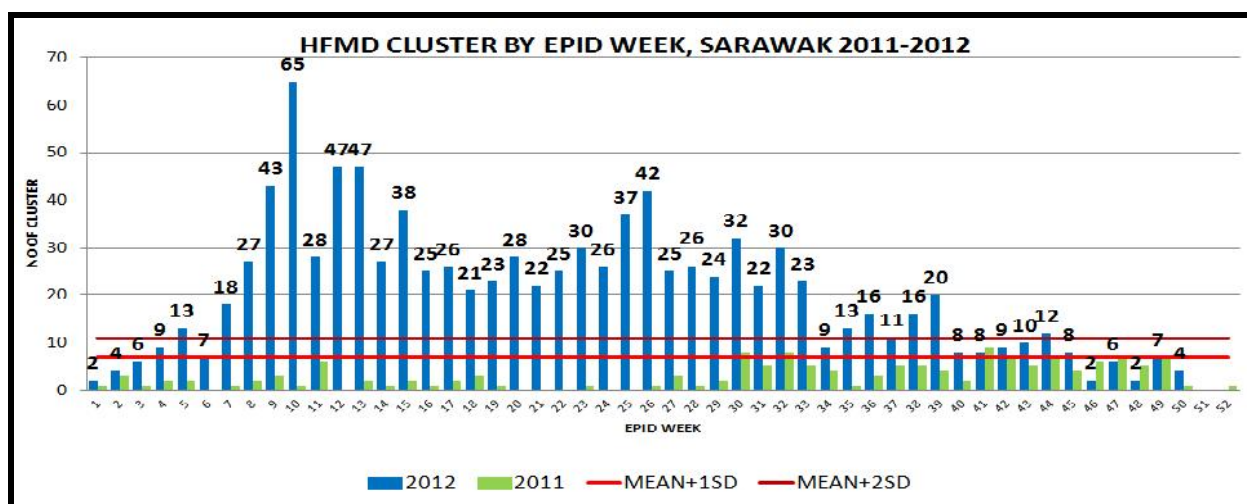
EW = Epid. Week; Cum. = Cumulative figure

10.2.1 Comparison of total number of notified HFMD cases and registered HFMD cases in e-Notifikasi system by district as at 15th December 2012.

District	Masterlist		Registered Case		Back Log	
	EW 50	Total	EW 50	Total	EW 50	Total
Kuching	22	3873	0	3850	22	23
Bau	0	390	0	390	0	0
Lundu	2	256	1	255	1	1
KUCHING	24	4519	1	4495	23	24
Samarahan	1	693	0	659	1	34
Asajaya	1	91	0	95	1	-4
Simunjan	3	218	0	209	3	9
Serian	8	730	8	730	0	0
SAMARAHAN	13	1732	8	1693	5	39
Sri Aman	1	482	1	482	0	0
Lubok Antu	0	80	0	75	0	5
SRI AMAN	1	562	1	557	0	5
Betong	8	379	10	381	-2	-2
Saratok	1	271	0	272	1	-1
BETONG	9	650	10	653	-1	-3
Sarikei	2	531	0	479	2	52
Meradong	4	192	0	194	4	-2
Pakan	1	94	0	89	1	5
Julau	1	133	0	130	1	3
SARIKEI	8	950	0	892	8	58
Daro	0	132	0	128	0	4
Matu	0	86	0	63	0	23
Mukah	0	162	0	162	0	0
Dalat	1	119	0	106	1	13
MUKAH	1	499	0	459	1	40
Sibu	6	922	7	923	-1	-1
Selangau	0	39	0	39	0	0
Kanowit	0	47	0	46	0	1
SIBU	6	1008	7	1008	-1	0
Kapit	3	406	3	419	0	-13
Song	1	62	1	62	0	0
Belaga	0	127	0	152	0	-25
KAPIT	4	595	4	633	0	-38
Bintulu	6	834	0	908	6	-74
Tatau	0	101	0	118	0	-17
BINTULU	6	935	0	1026	6	-91
Miri	2	1219	0	1187	2	32
Marudi	1	116	0	120	1	-4
MIRI	3	1335	0	1307	3	28
Limbang	0	452	0	452	0	0
Lawas	0	104	0	99	0	5
LIMBANG	0	556	0	551	0	5
SARAWAK	75	13341	31	13274	44	67

10.2.2. HFMD Clusters and closure

Division	Cluster		Closure	
	EW50	Cum	EW50	Cum
Kuching	3	370	0	59
Samarahan	0	112	0	14
Sri Aman	0	19	0	0
Betong	0	51	0	10
Sarikei	1	120	0	28
Mukah	0	40	0	7
Sibu	0	68	0	0
Kapit	0	31	0	0
Bintulu	0	41	0	8
Miri	0	103	0	2
Limbang	0	80	0	6
Sarawak	4	1035	0	134



Division	Category of HFMD Clusters in 2012				Total
	Family	School	Pre School	Child Care Centre	
Kuching	302	19	34	15	370
Samarahan	97	2	10	3	112
Sri Aman	18	1	0	0	19
Betong	41	1	7	2	51
Sarikei	92	3	17	8	120
Mukah	30	5	5	0	40
Sibu	50	1	12	5	68
Kapit	30	1	0	0	31
Bintulu	32	0	6	3	41
Miri	101	0	1	1	103
Limbang	49	10	18	3	80
Total	842	43	110	40	1035

10.3. Notified Leptospirosis cases for Epid. Week 50, 2012 compared to Epid. Week 50, 2011 and cumulative cases till Epid.Week 50 in 2012.

District / Division	Case classification				Total		
	Confirmed		Probable		2012	2011	2010
	EW (50) 2012	EW (50) 2011	EW (50) 2012	EW (50) 2011			
Lundu	0	0	0	1	4	6	0
Bau	0	0	0	0	9 (2)	5 (1)	1
Kuching	1	0	0	2	73 (2)	40 (2)	12
KUCHING	1	0	0	3	86 (4)	51 (3)	13
Samarahan	0	0	1	0	11	3	1
Asajaya	0	0	0	0	0	3	0
Simunjan	0	0	0	1(1)	4	8 (1)	1
Serian	0	0	0	1(1)	4	10 (2)	2
SAMARAHAN	0	0	1	2(2)	19	24 (3)	4
Sri Aman	0	0	0	0	14	14 (2)	1
Lubok Antu	0	0	0	0	15	11	3 (1)
SRI AMAN	0	0	0	0	29	25 (2)	4 (1)
Betong	0	0	0	0	8	5 (1)	0
Saratok	0	0	0	0	4	6 (1)	0
BETONG	0	0	0	0	12	11 (2)	0
Sarikei	0	0	0	0	6 (1)	1	1
Meradong	0	0	0	0	2	24	1
Pakan	0	0	0	0	4 (1)	3	1
Julau	0	0	0	0	1	0	1
SARIKEI	0	0	0	0	13 (2)	28	4
Daro	0	0	0	0	1 (1)	1 (1)	1
Matu	0	0	0	0	0	0	0
Dalat	0	0	0	0	0	0	0
Mukah	0	0	0	0	0	3	1
MUKAH	0	0	0	0	1	4 (1)	2
Sibu	0	0	0	0	2	2	6
Kanowit	0	0	0	0	6 (1)	4	1
Selangau	0	0	0	0	2	3	0
SIBU	0	0	0	0	10 (1)	9	7
Song	0	0	0	0	1	1	2
Kapit	0	0	0	1	50	12	1
Belaga	0	0	1	1	4 (1)	7 (1)	0
KAPIT	0	0	1	2	55	20 (1)	3
Tatau	0	0	0	0	2	1	0
Bintulu	0	1	0	0	6	10 (2)	6
BINTULU	0	1	0	0	8	11 (2)	6
Miri	0	0	0	0	10	16 (1)	3
Marudi	0	0	0	0	2	2	2
MIRI	0	0	0	0	12	18 (1)	5
Limbang	0	0	0	0	21 (1)	2 (1)	1
Lawas	0	0	0	0	0	0	0
LIMBANG	0	0	0	0	21 (1)	2 (1)	1
SARAWAK	1	1	2	7(2)	266 (10)	203 (16)	49 (1)

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

10.3.1 Locality of Leptospirosis Cluster in Sarawak Epid. Week 1 until Epid. Week 50, 2012

No.	District	Locality	Number of Cases	Outbreak Declared
1	Kuching/Kota Belud	Kem Semenggo/Kem Paradise	13	20/02/2012
2	Limbang	Setuan, Tapak Kajian Pembinaan Empangan Baru	4	22/02/2012
3	Samarahan	Kpg. Entingan, Samarahan	2	08/06/2012
4	Meradong	Ulu Sg. Sebuloh	2	19/06/2012
5	Kuching	Pusat Latihan Polis (PULAPOL), Jalan Puncak Borneo, Kuching	22	20/07/2012
6	Bau	Taman Dayu, Jalan Sebuloh Cina, Bau	2	14/09/2012
7	Kuching	Kem Semenggo (Training at Kampung Serasot, Bau)	3	04/12/2012

10.4. Notified Melioidosis cases for Epid. Week 50, 2011 compared to Epid. Week 50, 2011 and cumulative cases until Epid. Week 50, 2012

District / Division	Case classification				Total		
	Confirmed		Probable		2012	2011	2010
	EW (50) 2012	EW (50) 2011	EW (50) 2012	EW (50) 2011			
Iundu	0	0	0	0	0	0	0
Bau	0	0	0	0	0	1	0
Kuching	0	0	0	0	3	4	12 (1)
KUCHING	0	0	0	0	4	5	12 (1)
Samarahan	0	0	0	0	1	0	0
Asajaya	0	0	0	0	0	0	0
Simunjan	0	0	0	0	0	0	0
Serlan	0	0	0	0	0	2 (1)	1 (1)
SAMARAHAN	0	0	0	0	1	2	1 (1)
Sri Aman	0	0	0	0	0	3	0
Lubok Antu	0	0	0	0	1	1	0
SRI AMAN	0	0	0	0	1	4	0
Betong	0	0	0	0	0	0	2
Saratok	0	0	0	0	0	0	1 (1)
BETONG	0	0	0	0	0	0	3 (1)
Sarikel	0	0	0	0	0	0	2
Meradong	0	0	0	0	0	0	2
Pakan	0	0	0	0	1	0	0
Julau	0	0	0	0	0	0	2
SARIKEI	0	0	0	0	1	0	6
Daro	0	0	0	0	0	0	0
Malu	0	0	0	0	0	0	0
Ijalat	(1)	(1)	(1)	(1)	1	(1)	1
Mukah	0	0	0	0	1	2	3 (1)
MUKAH	0	0	0	0	2	2	4 (1)
Sibu	0	0	0	0	0	1	5 (1)
Kanowit	0	0	0	0	0	1	1
Selangau	0	0	0	0	1 (1)	4	6 (2)
SIBU	0	0	0	0	1	6	12 (3)
Song	0	0	0	0	0	1	7 (2)
Kapit	0	0	0	0	28	62 (3)	162 (1)
Belaga	0	0	0	0	0	21 (4)	28 (1)
KAPIT	0	0	0	0	28	84 (7)	197 (4)
Iatau	(1)	(1)	(1)	(1)	(1)	4 (1)	14 (4)
Bintulu	0	0	0	0	0	6	49 (1)
BINTULU	0	0	0	0	0	10 (1)	63 (5)
Miri	0	0	0	0	2	7 (2)	35 (1)
Marudi	0	0	0	0	0	1	7
MIRI	0	0	0	0	2	8 (2)	42 (1)
Limbang	0	0	0	0	0	0	2
Lawas	0	0	0	0	0	0	1 (1)
LIMBANG	0	0	0	0	0	0	3 (1)
SARAWAK	0	0	0	0	40 (1)	121 (11)	343 (18)

Note: () Death; EW = Epid. Week

District indicates source of infection

10.4.1 Melioidosis Death case (Positive) 2012

No.	# District	® Hospital	Age	Race	Gender	Date Of Death	Concurrent Medical Illness	Occupation
1	Selangau	Sibu	48	Iban	Female	09/02/12	DM, HPT & Asthma	Farmer

* SGH = Sarawak General Hospital

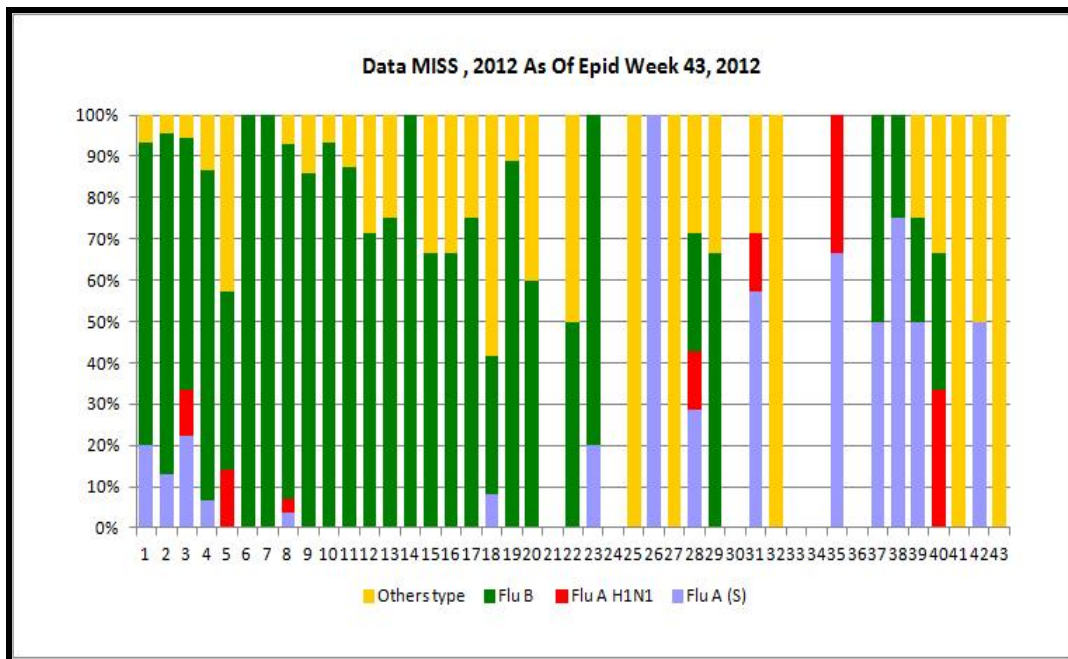
Note

: # District indicate patient's current place of residence or workplace

® Hospital indicate facility where patient admitted

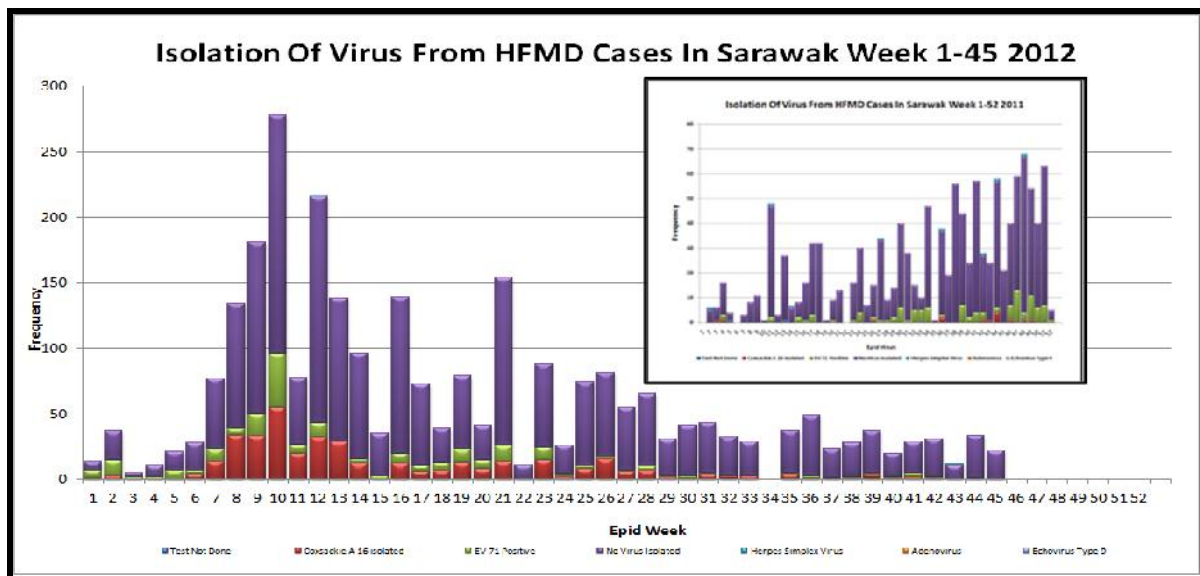
11. LABORATORY BASED SURVEILLANCE

11.1. Malaysia Influenza Surveillance System (MISS) (not included Sabah*) from Epid Week 1 till Epid Week 43, 2012.

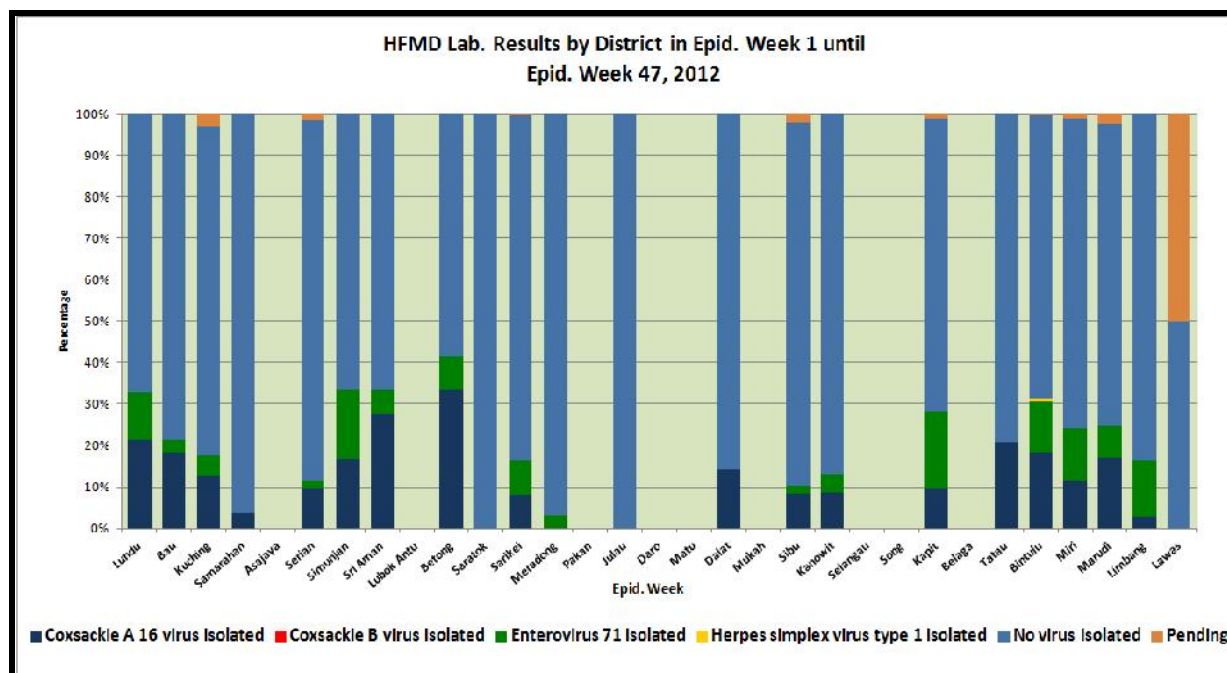


* specimen from Sabah were analysed at MKAK Kota Kinabalu, Sabah.

11.3. Laboratory Based Surveillance HFMD, EW 1- EW 45, 2012 compared to 2011 in Sarawak.



As of 15th December, 2012, 2816 HFMD samples sent to MKAK Sg Buloh. Out of this, 2772 samples with result, 44 still pending and one sample was rejected. A total of 575 (22.2%) virus isolated of which 378 Coxsackie A16 (64.0%), 210 EV 71 (35.5%), one Coxsackie B (0.2%) and two Herpes Simplex Type 1 (0.2%)



Appendix 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)

Appendix 2

The addresses and contact numbers of the Medical Officer of Health/Divisional Health Officers in Sarawak are listed below (as at 15th December 2012)

No	Name/Designation	Office Address	E-mail Address	Tel./Fax/Handphone No.
1	Ketua Penolong Pengarah Kanan Dr. Razitasham Binti Safii	Seksyen Kawalan Penyakit Berjangkit Jabatan Kesihatan Negeri Sarawak	razitasham@srwk.moh.gov.my	Tel : 082-473200/277 Fax : 082-443098 Hp : 013-8047635
2	Ketua Penolong Pengarah Dr. Noorzilawati Binti Sahak	Seksyen Kawalan Penyakit Berjangkit Jabatan Kesihatan Negeri Sarawak	drnoorzilawati@gmail.com	Tel : 082-473200/276 Fax : 082-443098 Hp : 014-6999126
3	Pegawai Kesihatan Bahagian Kuching Dr. Kamarudin Lajim	Pejabat Kesihatan Bahagian Kuching, Jalan Tun Ahmad Zaidi Adruce, 93250 Kuching	dhoshan@yahoo.com.sg	Tel : 082-238635/257867 Fax : 082-414542/250037 Hp : 013-8014332
4	Pegawai Epidemiologi Bahagian Kuching Dr. Ruziana Miss	Pejabat Kesihatan Bahagian Kuching, Jalan Tun Ahmad Zaidi Adruce, 93250 Kuching	druzziyan@yahoo.com.my	Tel : 082-238635/257867 Fax : 082-414542/250037 Hp : 019-8356456
5	Pegawai Kesihatan Bahagian Samarahan Dr. Julaidah Sharip	Pejabat Kesihatan Bahagian Samarahan Jalan Datuk Muhammad Musa, 94300 Kota Samarahan	julaidah.s@srwk.moh.gov.my	Tel : 082-673626 Fax : 082-673632 Hp : 019-8270869
6	Pegawai Kesihatan Bahagian Sri Aman Dr. Nor Rafizah Aminah bte Aziz	Pejabat Kesihatan Bahagian Sri Aman Tingkat 3, Wisma Persekutuan, Jalan Hospital, 95007 Sri Aman	rafizah76@gmail.com	Tel : 083-322176 Fax : 083-322058 Hp : 012-2110315
7	Pegawai Kesihatan Bahagian Betong Dr. Jeffery Stephen	Pejabat Kesihatan Bahagian Betong KM 2, Jalan Betong, 95700 Betong	endena90@yahoo.com	Tel : 083-472116 Fax : 083-471870 Hp : 019-8584053
8	Pegawai Kesihatan Bahagian Sarikei Dr. Hasrina Hassan	Pejabat Kesihatan Bahagian Sarikei Tingkat 3, Wisma Persekutuan, 96100 Sarikei	hasrina@srwk.moh.gov.my	Tel : 084-651077 Fax : 084-654088 Hp : 013-3403363
9	Pegawai Kesihatan Bahagian Sibu Dr. Muhamad Rais Abdullah	Pejabat Kesihatan Bahagian Sibu Tingkat 5, Wisma Persekutuan, Persiaran Brooke, 96000 Sibu	mdrais@srwk.moh.gov.my	Tel : 084-315494 Fax : 084-348284 Hp : 019-8196459
10	Pegawai Kesihatan Bahagian Kapit Dr. Ngian Hie Ung	Pejabat Kesihatan Bahagian Kapit Tingkat 3, Wisma Persekutuan, 96800 Kapit	ngianhu@srwk.moh.gov.my	Tel : 084-796404 Fax : 084-332502 Hp : 017-8030839
11	Pegawai Kesihatan Bahagian Mukah Dr. Hj. Osman Hj. Rafaie	Pejabat Kesihatan Bahagian Mukah Jalan Haji Muhammad Pauzi 96400 Mukah	dho_mukah@yahoo.com	Tel : 084-873301 Fax : 084-872963 Hp : 013-8014700
12	Pegawai Epidemiologi Bahagian Mukah Dr. Nik Daliana Bt. Nik Farid	Pejabat Kesihatan Bahagian Mukah Jalan Haji Muhammad Pauzi 96400 Mukah	daliana75@gmail.com	Tel : 084-873301 Fax : 084-872963 Hp : 012-2779250
13	Pegawai Kesihatan Bahagian Bintulu Dr. Azlee Bin Ayub	Pejabat Kesihatan Bahagian Bintulu Jalan Tun Ahmad Zaidi Adruce, 97000 Bintulu	azlee@srwk.moh.gov.my	Tel : 086-317269 Fax : 086-312354 Hp : 016-8625257
14	Pegawai Kesihatan Bahagian Miri Dr. Faizul Mansoor	Pejabat Kesihatan Bahagian Miri Jalan Temenggong Oyong Lawai Jau, 98000 Miri	bmfaizul@srwk.moh.gov.my	Tel : 086-424722 Fax : 086-429987 Hp : 013-8335504
15	Pegawai Epidemiologi Bahagian Miri Dr. Veronica Lugah	Pejabat Kesihatan Bahagian Miri Jalan Temenggong Oyong Lawai Jau, 98000 Miri	verolugah@yahoo.com	Tel : 086-424722 Fax : 086-429987 Hp : 019-6061847
16	Pegawai Kesihatan Bahagian Limbang Dr. Norliza Jusoh	Pejabat Kesihatan Bahagian Limbang Jalan Pandaruan, 98700 Limbang	norlizaj@srwk.moh.gov.my	Tel : 085-211046 Fax : 085-429987 Hp : 019-8163163

ADVISORS:

Datu Dr Zulkifli Jantan
State Director – Sarawak Health Department

Dr Jamilah Hashim
State Deputy Director (Public Health)

Datu Dr Andrew Kiyu
Consultant Epidemiologist

CHIEF EDITOR:

Dr Razitasham Safii, CDC Section

EDITORS & CONTRIBUTORS:

Tn Hj Asmad Matusop, Entomology Section

Dr Sarina Shuib, VBDC Section

Dr Noorzilawati Sahak, CPRC Unit

Mr Abdul Kadir Mohd. Anis

Mr Davidson Clinn Tayus

Mr Muslim Mhd. Ghazali

Mr Ahmad Zaidi Ujang

Ms Maliza Jalel

Mr Mike Jesussen Ak Bolian

Ms Hawa Nabila Binti Hip

Ms Tang Wan Yung

PPKP, VBDC Section

PPKP, STD/AIDS Section

PPKP, TBCLP/LCP Section

GRAPHIC:

Dr Noorzilawati binti Sahak

Mr Davidson Clinn Tayus

CORRESPONDENCE:

COMMUNICABLE DISEASE CONTROL SECTION,
Sarawak Health Department,
Jalan Diplomatik, Off Jalan Bako
93050 Kuching,
Sarawak

Phone: 082-443248/473200

Fax: 082-443098

Email: opsroom_jkns@srwk.moh.gov.my OR
cdcjkns@gmail.com



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.