



SARAWAK

WEEKLY EPID NEWS

Sarawak Health Department EPID. WEEK 48 25th November – 1st December 2012

INFECTIOUS DISEASE/CRISIS HIGHLIGHTS IN SARAWAK

Local update:

Dengue cases still above the outbreak level in the state.

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SARAWAK
State Health Department

CPRC (CRISIS PREPAREDNESS AND RESPONSE CENTRE)

Communicable Disease Control Section, Sarawak Health Department

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2. NEW OUTBREAKS/CLUSTERS

No	Disease	District	Locality	Case (No)	Outbreak declared
1	Dengue	Sri Aman	Rh. Usop Abok	2	26 th November 2012
2			Rh Ungie, Klauh	3	29 th November 2012
3	Malaria	Simunjan	Kg. Telagus Legai	3	27 th November 2012
4	Measles	Miri	Flat Anggerik, PGA	2	26 th November 2012

3. SUMMARY OF MANDATORY NOTIFIABLE DISEASES REPORTED IN EPID. WEEK 48, 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	1/1										2		1														
Bau													0						1		6						
Kuching	5/1					2				10	27		0								26						1
Samarahan	1/1										1		0											7			
Asajaya											2		0														
Simunjan											1		1						1		5						
Serian						1					7		0								1						
Sri Aman						8					1		0						1								
L/ Antu						6							0														2
Betong						4					5		3								2			1			
Saratok						1					3		0								1						
Sarikei						5					3		0											6			
Meradong						3							0														
Pakan													1								3						
Julau						2							4														
Daro						1							0														
Matu						1							0														
Dalat													0														
Mukah						2					2		0								9						
Sibu						6				3	10		1						2		7			4			
Kanowit													1														
Selangau						2				1			1								3						
Song						1					3		3														
Kapit						2					2		9								7						
Belaga													2														
Tatau						2					2		0														
Bintulu											6		0								3	1					
Miri						4					9	1	0								8			3			
Marudi											1		3														
Limbang	1/1					4							1								5			2			
Lawas						2					2		0								1						
TOTAL (Week 48)	8/4	0	0	0	0	59	0	0	0	14	89	1	31	0	0	0	0	0	5	0	87	1	0	23	0	0	3
Total (2012)	145/92	0	0	111	0	1325	33	0	1445	450	13190	44	1418	13	165	0	0	0	252	1	2010	33	0	131	1	0	259
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 1-48, 2012

Division	Food poisoning outbreak	Dysentery		Typhoid & paratyphoid fever		Cholera	Hepatitis A	
		S	C	S	C		S	C
Kuching	12	27	3	16	3	0	0	2
Samarahan	9	12	0	3	1	0	0	0
Sri Aman	2	1	0	1	1	0	0	0
Betong	5	11	3	3	1	0	0	0
Sarikei	6	50	23	32	18	0	0	0
Sibu	5	12	1	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	2	1	111	0	0
Miri	15	4	0	0	0	0	0	0
Limbang	3	2	0	1	0	0	0	0
Sarawak	68	162	33	79	33	111	0	3

Note: S = Suspected; C = Confirmed

Note:

- Food poisoning outbreak:
 - o Six (6) 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 typhii*.

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 1-48, 2012

Division	TYPES OF DISEASES								
	Measles					Rubella	Tetanus	Whooping Cough	
	Suspected (Registered Cases in SM2)	Confirmed			Discard	Lab. Confirmed	C	S	C
		Lab. Confirmed	Clinically Confirmed	Epid. Link					
Kuching	116	24	4	10	48	7	0	24	6
Samarahan	29	2	0	1	21	1	0	3	0
Sri Aman	24	3	1	0	16	2	0	0	0
Betong	17	3	0	0	9	1	0	0	1
Sarikei	68	4	0	0	59	0	0	1	0
Sibu	4	2	0	0	78	28	0	10	6
Kapit	36	0	0	0	2	0	0	3	0
Mukah	1	0	0	0	25	14	0	2	0
Bintulu	174	36	3	13	1	0	1	0	0
Miri	210	50	2	0	116	7	0	13	0
Limbang	21	7	0	0	6	0	0	0	0
Sarawak	700	131	10	24	381	60	1	56	13

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 1-48, 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	116	109 (93.97%)	76 (65.52%)	108 (93.10%)
Samarahan	29	27(93.10%)	26 (89.66%)	29 (100.00%)
Sri Aman	24	23 (95.83%)	19 (79.17%)	22 (91.67%)
Betong	17	17 (100.00%)	9 (52.94%)	17(100.00%)
Sarikei	68	68 (100.00%)	50 (73.53%)	67 (98.53%)
Sibu	4	4 (100.00%)	4 (100.00%)	4 (100.00%)
Kapit	36	36 (100.00%)	34(94.44%)	36 (100.00%)
Mukah	1	1 (100.00%)	1 (100.00%)	1 (100.00%)
Bintulu	174	172 (98.85%)	157 (90.23%)	165 (94.83%)
Miri	210	204(97.14%)	194(92.38%)	206 (98.10%)
Limbang	21	21 (100.00%)	20 (95.24%)	21(100.00%)
Sarawak	700	682 (97.43%)	590 (84.29%)	676 (96.57%)

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 :

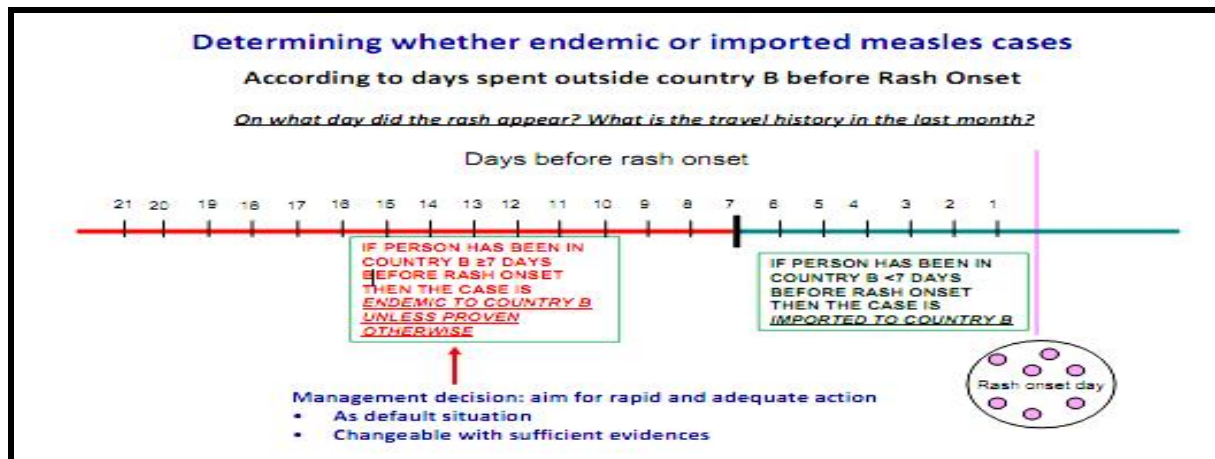
- Investigation within 48 hours of notification
- Include following data : suspected measles cases, age, sex, date of rash onset, date of specimen collection, vaccination status, date of last vaccination and district.

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

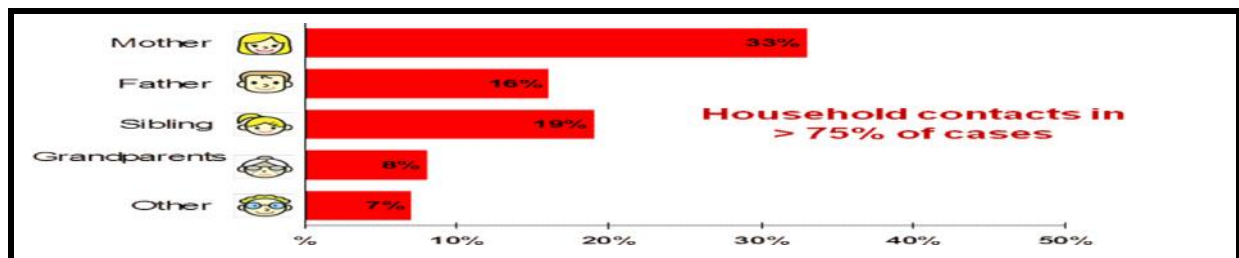
24 years old – now in 2012



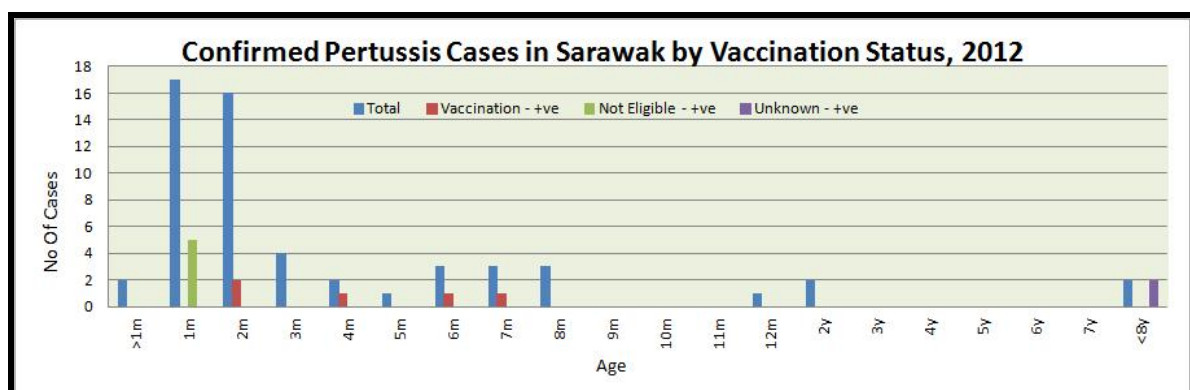
Clinical Case Definition for Pertussis

- 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 1-48, 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 :

Condition where there is sudden loss of control over muscle 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 48, 2012 and cumulative cases from Epid.Week 1 until Epid. Week 48, 2012.

District / Division	2012			
	EW 48		Cumulative	
	HIV	AIDS	HIV	AIDS
Lundu	1	1	2	2
Bau	0	0	2	1
Kuching	5	1	49	25
KUCHING	6	2	53	28
Samarahan	1	1	7	4
Asajaya	0	0	3	1
Simunjan	0	0	3	2
Serian	0	0	6	4
SAMARAHAN	1	1	19	11
Sri Aman	0	0	5	2
LubokAntu	0	0	1	0
SRI AMAN	0	0	6	2
Betong	0	0	2	0
Saratok	0	0	0	0
BETONG	0	0	2	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	0	0	2	0
Matu	0	0	0	0
Dalat	0	0	0	0
Mukah	0	0	0	1
MUKAH	0	0	2	1
Sibu	0	0	15	11
Kanowit	0	0	1	2
Selangau	0	0	0	0
SIBU	0	0	16	13
Song	0	0	0	1
Kapit	0	0	1	2
Belaga	0	0	0	0
KAPIT	0	0	1	3
Tatau	0	0	2	1
Bintulu	0	0	16	14
BINTULU	0	0	18	15
Miri	0	0	16	6
Marudi	0	0	2	1
MIRI	0	0	18	7
Limbang	1	1	5	5
Lawas	0	0	3	2
LIMBANG	1	1	8	7
Sarawak	8	4	145	92

EW = Epid. Week; Cum. = Cumulative figure

6.2 Notified Gonorrhoea and Syphilis (all forms) cases for Epid. Week 48, 2012 and Cumulative cases from Epid. Week 1, 2012 until Epid.Week 48, 2012.

District / Division	Gonorrhoea		Syphilis (all forms)	
	EW 48	Cum.	EW 48	Cum.
Lundu	0	5	0	3
Bau	0	9	1	7
Kuching	10	194	0	73
KUCHING	10	208	1	83
Samarahan	0	34	0	17
Asajaya	0	30	0	9
Simunjan	0	8	1	8
Serian	0	10	0	2
SAMARAHAN	0	82	1	36
Sri Aman	0	5	1	21
Lubok Antu	0	2	0	5
SRI AMAN	0	7	1	26
Betong	0	3	0	2
Saratok	0	1	0	7
BETONG	0	4	0	9
Sarikei	0	5	0	5
Meradong	0	6	0	5
Pakan	0	1	0	2
Julau	0	1	0	0
SARIKEI	0	13	0	12
Daro	0	6	0	2
Matu	0	8	0	1
Dalat	0	0	0	0
Mukah	0	9	0	4
MUKAH	0	23	0	7
Sibu	3	64	2	43
Kanowit	0	1	0	2
Selangau	1	5	0	1
SIBU	4	70	2	46
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	0	11	0	10
BINTULU	0	11	0	10
Miri	0	18	0	6
Marudi	0	5	0	3
MIRI	0	23	0	9
Limbang	0	5	0	4
Lawas	0	2	0	7
LIMBANG	0	7	0	10
Sarawak	14	450	5	252

EW = Epid. Week; Cum. = Cumulative figure

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

7.1 Notified Tuberculosis cases for Epid. Week 48, 2012 compared to Epid. Week 48, 2011 and cumulative cases until Epid. Week 48, 2012.

District / Division	2012		2011		Total
	EW 48	Cum.	EW 48	Cum.	
Lundu	0	34	0	21	22
Bau	6	37	0	38	42
Kuching	26	405	3	320	365
KUCHING	32	476	3	379	429
Samarahan	0	21	3	44	46
Asajaya	0	12	1	26	29
Simunjan	5	37	4	35	37
Serian	1	32	0	54	61
SAMARAHAN	6	102	8	159	173
Sri Aman	0	43	0	55	58
LubokAntu	0	26	0	44	49
SRI AMAN	0	69	0	99	107
Betong	2	49	0	38	43
Saratok	1	53	1	52	55
BETONG	3	102	1	90	98
Sarikei	0	65	0	51	51
Meradong	0	26	0	27	29
Pakan	3	25	1	19	22
Julau	0	17	0	22	22
SARIKEI	3	133	1	119	124
Daro	0	14	1	25	27
Matu	0	1	0	4	4
Dalat	0	8	0	14	14
Mukah	9	55	0	37	44
MUKAH	9	78	1	80	89
Sibu	7	202	3	160	175
Kanowit	0	37	0	37	42
Selangau	3	37	2	30	32
SIBU	10	276	5	227	249
Song	0	11	0	29	23
Kapit	7	60	5	49	60
Belaga	0	44	0	39	40
KAPIT	7	115	5	117	123
Tatau	0	36	0	40	43
Bintulu	3	212	4	171	187
BINTULU	3	248	4	211	230
Miri	8	278	4	296	306
Marudi	0	60	0	57	61
MIRI	8	338	4	353	367
Limbang	5	47	2	41	42
Lawas	1	26	0	23	24
LIMBANG	6	73	2	64	66
Sarawak	87	2010	34	1898	2055

EW = Epid. Week; Cum. = Cumulative figure

7.2 Notified Leprosy cases for Epid. Week 48, 2012 compared to Epid. Week 48, 2011 and cumulative cases until Epid. Week 48, 2012.

District / Division	2012		2011		Total
	EW 48	Cum.	EW 48	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	1	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	1	44	0	10	25

7.3 Notified Tuberculosis (all forms) Case Classification as on 1st December 2012

District / Division	Case classification					
	Positive smear		Negative smear		Extra PTB	
	EW 48	Cum.	EW 48	Cum.	EW 48	Cum.
Lundu	0	25	0	5	0	4
Bau	4	30	2	7	0	0
Kuching	12	240	11	122	3	43
KUCHING	16	295	13	134	3	47
Samarahan	0	17	0	2	0	2
Asajaya	0	7	0	2	0	3
Simunjan	4	30	1	5	0	2
Serian	1	23	0	6	0	3
SAMARAHAN	5	77	1	15	0	10
Sri Aman	0	28	0	10	0	5
LubokAntu	0	23	0	2	0	1
SRI AMAN	0	51	0	12	0	6
Betong	2	40	0	4	0	5
Saratok	1	41	0	9	0	3
BETONG	3	81	0	13	0	8
Sarikei	0	29	0	27	0	9
Meradong	0	15	0	11	0	0
Pakan	0	7	3	14	0	4
Julau	0	7	0	10	0	0
SARIKEI	0	58	3	62	0	13
Daro	0	11	0	2	0	1
Matu	0	1	0	0	0	0
Dalat	0	7	0	0	0	1
Mukah	8	45	0	5	1	5
MUKAH	8	64	0	7	1	7
Sibu	6	138	1	38	0	26
Kanowit	0	24	0	7	0	6
Selangau	2	20	1	9	0	8
SIBU	8	182	2	54	0	40
Song	0	7	0	3	0	1
Kapit	5	29	0	13	2	18
Belaga	0	24	0	14	0	6
KAPIT	5	60	0	30	2	25
Tatau	0	20	0	12	0	4
Bintulu	0	90	3	106	0	16
BINTULU	0	110	3	118	0	20
Miri	6	203	2	55	0	20
Marudi	0	40	0	13	0	7
MIRI	6	243	2	68	0	27
Limbang	4	42	1	3	0	2
Lawas	0	17	0	1	1	8
LIMBANG	4	59	1	4	1	10
Sarawak	55	1280	25	517	7	213

EW = Epid. Week; Cum. = Cumulative figure

7.4 Notified Tuberculosis (all forms) Patient Classification as on 1st December 2012.

District / Division	Patient Classification											
	Children		Health care worker				PUSPEN/Prison		Foreigner		Care Centre	
	EW 48	Cum.	*Exposed		*Not exposed		EW 48	Cum.	EW 48	Cum.	EW 48	Cum.
			EW 48	Cum.	EW 48	Cum.						
Lundu	0	1	0	3	0	3	0	0	0	7	0	0
Bau	0	0	0	1	0	1	0	0	0	0	0	0
Kuching	1	4	0	6	0	6	0	1	3	13	0	0
KUCHING	1	5	0	10	0	9	0	1	3	20	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	0	0	0
SAMARAHAN	0	2	0	0	0	0	0	0	0	5	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	2	3	0	1	0	1	0	0	1	3	0	0
MUKAH	2	3	0	2	0	2	0	0	1	5	0	0
Sibu	2	11	0	4	0	4	0	1	0	4	0	0
Kanowit	0	0	0	0	0	0	0	0	0	1	0	0
Selangau	0	3	0	0	0	0	0	0	0	3	0	0
SIBU	2	14	0	4	0	4	0	1	0	8	0	0
Song	0	0	0	0	0	0	0	0	0	0	0	0
Kapit	0	10	0	0	0	0	0	0	0	4	0	0
Belaga	0	8	0	1	0	1	0	0	0	4	0	0
KAPIT	0	18	0	1	0	1	0	0	0	8	0	0
Tatau	0	2	0	0	0	0	0	0	0	16	0	0
Bintulu	1	35	0	3	0	3	0	0	0	41	0	0
BINTULU	1	37	0	3	0	3	0	0	0	57	0	0
Miri	0	3	0	2	0	2	0	1	0	26	0	0
Marudi	0	6	0	0	0	0	0	0	0	4	0	0
MIRI	0	9	0	2	0	2	0	1	0	30	0	0
Limbang	0	1	0	0	0	0	0	0	0	1	0	0
Lawas	0	0	1	1	0	0	0	0	0	0	0	0
LIMBANG	0	1	1	1	0	0	0	0	0	1	0	0
Sarawak	6	95	1	26	0	25	0	3	4	139	0	0

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

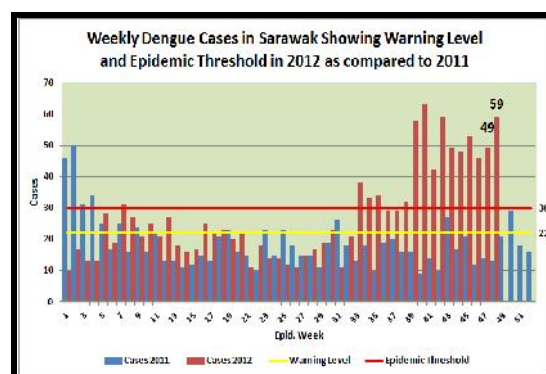
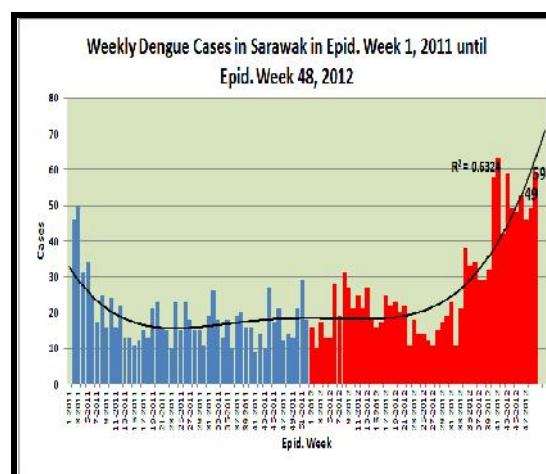
* Possibility of exposed or not exposed to TB patient

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 48, 2012 compared to Epid. Week 48, 2011 and cumulative cases until Epid. Week 48, 2012.

District	2012		2011		Total
	EW 48	Cum.	EW 48	Cum.	
Lundu	0	12	0	10	10
Bau	0	36	1	29	36
Kuching	2	150	1	102	106
Samarahan	0	35	0	21	21
Asajaya	0	6	0	4	4
Serian	0	22	0	17	18
Simunjan	1	15	1	15	19
Sri Aman	8	94	0	49	56
Lubok Antu	6	60	0	23	23
Betong	4	62	1	12	13
Saratok	1	31	0	10	11
Sarikei	5	40	1	26	28
Meradong	3	58	0	12	14
Pakan	0	51	0	21	23
Julau	2	44	0	15	17
Daro	1	7	0	6	6
Matu	1	1	0	1	1
Dalat	0	9	0	3	3
Mukah	2	12	0	5	5
Sibu	6	69	1	69	75
Kanowit	0	17	0	30	31
Selangau	2	8	0	10	10
Song	1	26	0	10	10
Kapit	2	76	0	27	32
Belaga	0	35	0	26	27
Tatau	2	34	2	38	47
Bintulu	0	104	0	95	100
Miri	4	116	2	116	134
Marudi	0	41	0	55	59
Limbang	4	28	0	19	20
Lawas	2	26	3	14	15
Sarawak	59	1325	13	890	974

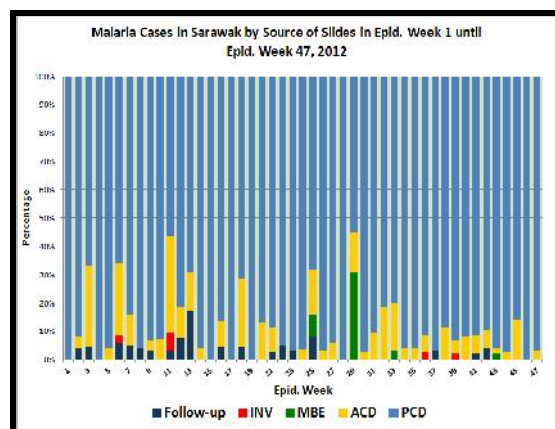
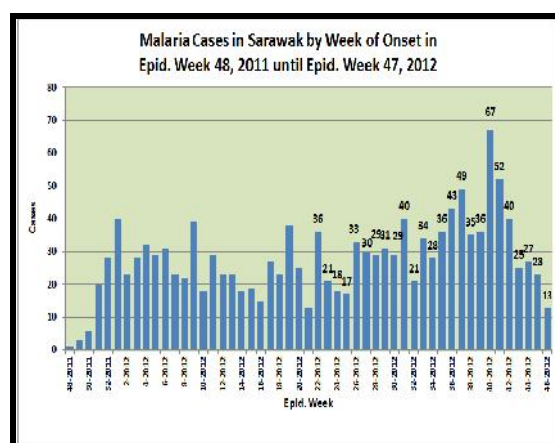
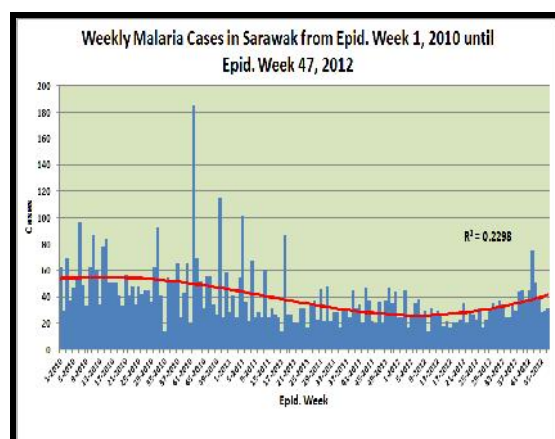


There are 2 new outbreak localities reported for Epid Week 48, both from Sri Aman. Four (4) outbreak localities were still active reported, in Lubok Antu (1), Meradong (1) and Sri Aman (2).

EW = Epid. Week; Cum. = Cumulative figure

8.2. Notified Malaria cases for Epid. Week 47, 2012 compared to Epid. Week 47, 2011 and cumulative cases until Epid. Week 47 in 2012.

District	2012		2011		Total
	EW 47	Cum.	EW 47	Cum.	
Lundu	1	11	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	1	6	0	20	21
Simunjan	0	4	0	2	2
Sri Aman	0	17	0	15	17
Lubok Antu	0	24	0	22	25
Betong	3	64	2	39	47
Saratok	0	31	0	3	3
Sarikei	0	18	0	16	16
Meradong	0	11	0	9	9
Pakan	1	59	2	26	29
Julau	4	80	0	64	69
Daro	0	6	0	2	2
Matu	0	1	0	0	2
Dalat	0	5	1	9	10
Mukah	0	2	0	2	2
Sibu	1	63	2	41	52
Kanowit	1	71	0	76	89
Selangau	1	36	0	15	16
Song	3	99	1	66	78
Kapit	9	209	3	199	230
Belaga	2	159	4	122	139
Tatau	0	25	0	28	34
Bintulu	0	29	0	37	39
Miri	0	27	2	37	40
Marudi	3	248	17	620	670
Limbang	1	28	0	17	21
Lawas	0	64	2	29	34
Sarawak	31	1418	36	1578	1761



A total of 31 cases were reported on week 47, 2012. Cumulative cases till Epid Week 47 were 1418 cases. Of the 1418 cases, 248 cases (17%) from Marudi District, 209 cases (15%) from Kapit District and 159 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 47	Cum.
Passive Case Detection (PCD)	30	1257
Active Case Detection (ACD)	1	116
Investigation slides (INV)	0	6
Mass Blood Survey (MBS)	0	11
Follow-up	0	28
Total	31	1418

8.2.2. Malaria cases by species

Species	2012	
	EW 47	Cum.
<i>P. vivax</i>	8	399
<i>P. falciparum</i>	2	75
<i>P. malariae</i>	1	7
<i>P. knowlesi</i>	20	926
<i>P. ovale</i>	0	6
Mixed	0	5
Total	31	1418

8.2.3. Malaria cases by case classification

Classification	2012	
	EW 47	Cum.
Indigenous	24	1156
*Imported A	5	213
Relapsed	2	49
Congenital	0	0
Total	31	1418

8.2.4. The summary of the *Imported A cases

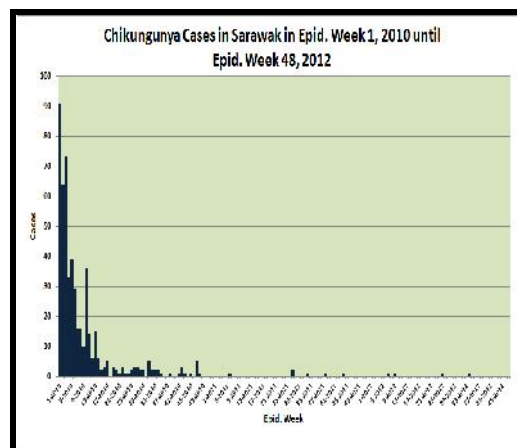
No.	District reported	Source of infection	Outbreak Locality	Nationality	Age	Gender	Species
1	Sibu	Kupang,Indonesia	No 7J/L1,Jln Belatok Utara,Sibu	Indonesian	18	Female	<i>P. vivax</i>
2	Kapit	KKB Collego Rucers Ltd, Afrika	S. Amang,N. Semulong, R. Ganya, Kapit	Malaysian	32	Male	<i>P. vivax</i>
3	Kapit	KKB Mk Company, PNG	Kg. Muhibah, Jln Bletch,Kapit	Malaysian	38	Male	<i>P. falciparum</i>
	Song	KKB Taman Company Limited Afrika	N. Temukus S. Takan, R. Belayong, Song	Malaysian	28	Male	<i>P. falciparum</i>
	Kapit	KKB Gabon, Rimunan Hijau, Afrika	Selepong 3, Jln. Selirik,Kapit	Malaysian	44	Male	<i>P. malariae</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 48, 2012 compared to Epid. Week 48, 2011 and cumulative cases until Epid. Week 48 in 2012.

District	2012		2011		Total
	EW 48	Cum.	EW 48	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

Two cases of Filariasis were reported in Epid Week 48, 2012. During the same period in 2011, no case was reported. The cumulative case of Filariasis for 2012 is 36 cases.

8.5 Japanese Encephalitis (JE)

One case of Japanese Encephalitis (JE) was reported in Epid Week 48, 2012. During the same period in 2011, two cases were reported. The cumulative case of Japanese Encephalitis for 2012 is remained 9.

9. SURVEILLANCE REPORT ON OTHER INFECTIOUS DISEASES

9.1. Viral Encephalitis

No case reported. As at 1st December 2012, only one case of Viral Encephalitis reported.

9.2. Viral Hepatitis (all form)

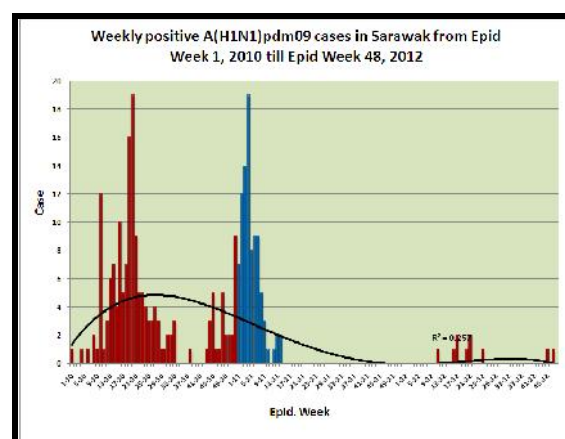
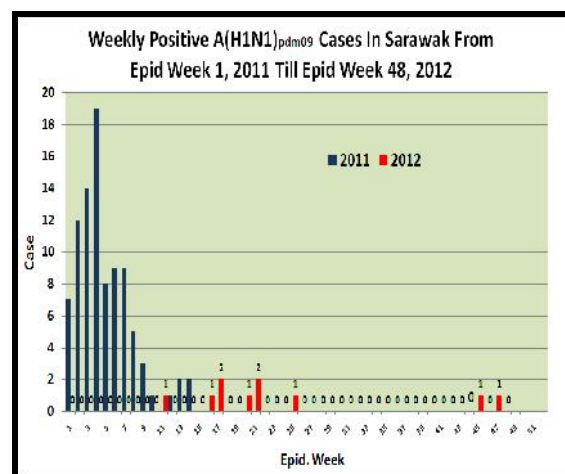
No	Type of Viral Hepatitis	Epid Week 48	Cum. 2012
1	Hepatitis A	0	3
2	Acute Hepatitis B	5	24
3	Chronic Hepatitis B	14	60
4	Acute Hepatitis C	3	16
5	Chronic Hepatitis C	1	28

10. EMERGING/RE-EMERGING INFECTIOUS AND ZOOONOTIC DISEASES

10.1. A/H1N1_{pdm09}

10.1.1 Positive Pandemic Influenza A/H1N1_{pdm09} as for Epid. Week 48, 2012 compared to Epid. Week 48, 2011 and cumulative cases until Epid. Week 48 in 2012.

District	2012		2011		Total
	EW 48	Cum.	EW 48	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

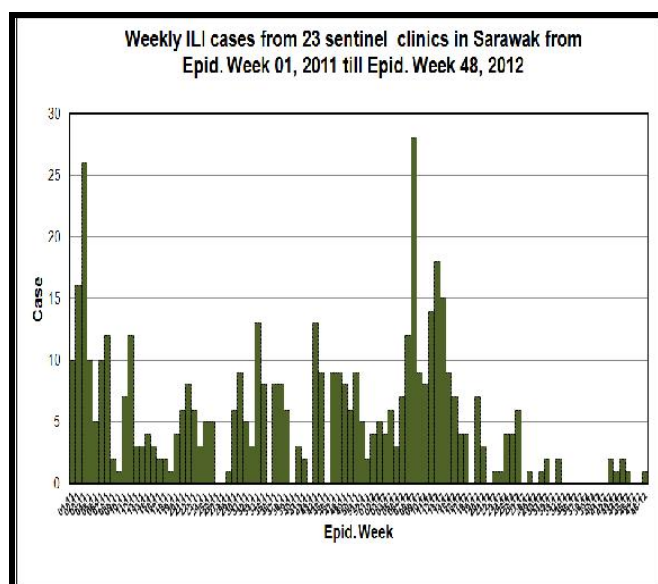


Age Group (Year)	Gender	
	Male	Female
Less Than 1yr	1	1
1-6	4	2
7-12	0	0
13-19	0	0
20-30	0	2
31-40	0	0
41-50	0	0
More than 50 yrs	0	0

Positive H1N1 Cases by Age Group and Gender

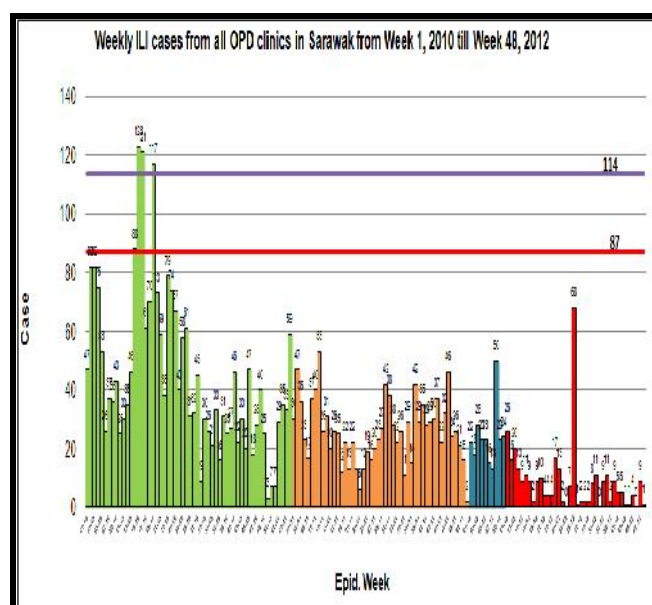
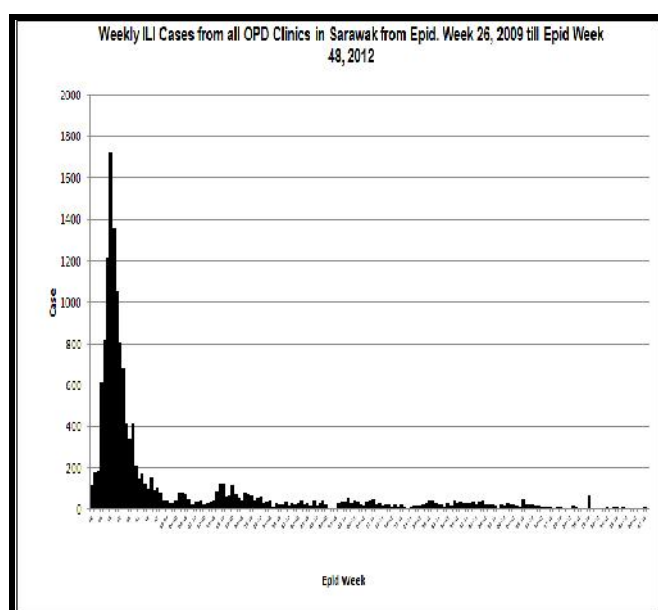
EW = Epid. Week; Cum. = cumulative figure

10.1.2 Outpatient Influenza-Like Illness (ILI) Surveillance from Epid.Week 1 in 2010 till Epid. Week 48 in 2012.



In Epid. Week 48, 2012, one case 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).

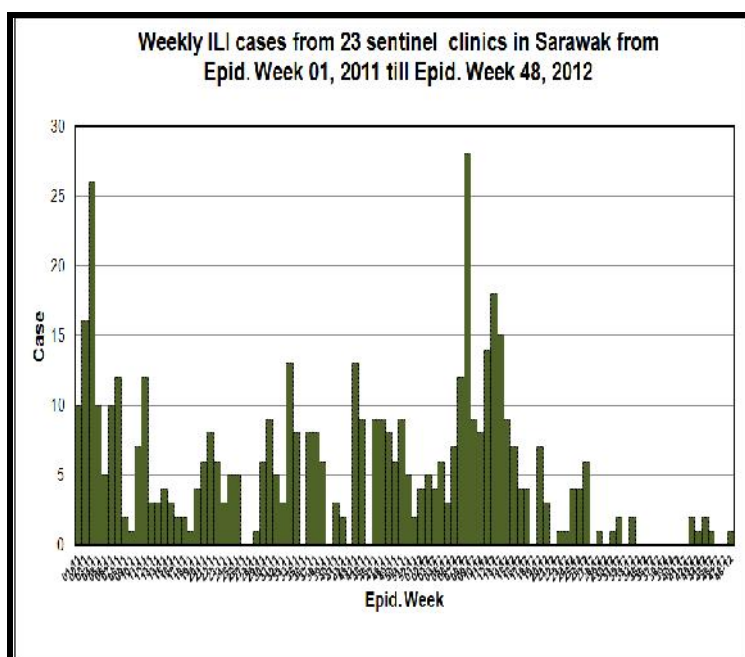


Referring to a letter dated 25 January 2011 from Office of the Deputy Director-General of Health (Public Health), Department of Public Health, Ministry of Health Malaysia about **PEMANTAUAN AKTIVITI A/H1N1pdm09 SECARA BERTERUSAN**, all PKB/PKD must send their daily H1N1 report as well as ILI and sARI 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 1st 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 1st November 2012.

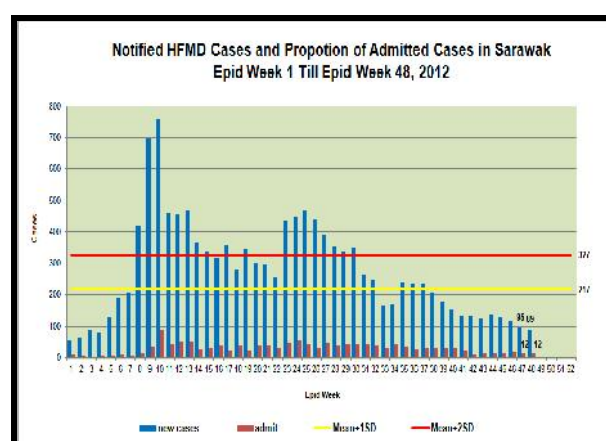
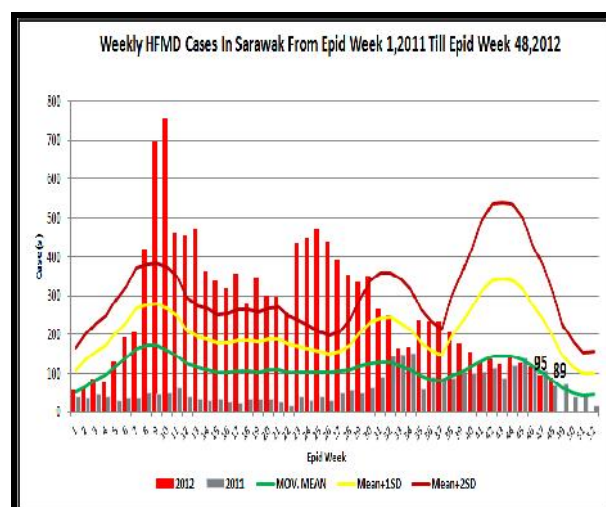
Division	Hospital	New EW 48	Cumulative 2012	No. of Inpatient			No. of Patient on Ventilator	Throat swabs		
				ICU	ISO	Other wards		Positive	Pending	Negative
Kuching	SGH Kuching	0	43	0	0	0	0	0	0	1
	Bau	0	1	0	0	0	0	0	0	0
	Lundu	0	0	0	0	0	0	0	0	0
	RCBM	0	0	0	0	0	0	0	0	0
	Sentosa	0	0	0	0	0	0	0	0	0
Samarahan	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	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	4	104	0	0	4	0	0	2	1
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
Total		4	150	0	0	4	0	0	2	2

EW = Epid. Week; Cum. = Cumulative figure

Four sARI cases were reported in Epid Week 48, 2012 from Bintulu Hospital(4). Two samples were negative and two samples still pending for H1N1.

10.2. Notified HFMD (Masterlist) cases for Epid. Week 48, 2012 compared to Epid. Week 48, 2011 and cumulative cases in Epid. Week 48, 2011.

District / Division	2012		2011		Total
	EW 48	Cum.	EW 48	Cum.	
Lundu	2	254	1	31	31
Bau	0	388	11	136	149
Kuching	27	3828	13	587	602
KUCHING	29	4470	25	754	782
Samarahan	1	690	1	122	127
Asajaya	2	90	0	32	35
Simunjan	1	215	0	19	19
Serian	7	718	2	35	39
SAMARAHAN	11	1713	3	208	220
Sri Aman	1	479	1	97	97
Lubok Antu	0	80	0	15	18
SRI AMAN	1	559	1	112	115
Betong	5	365	2	56	57
Saratok	3	268	0	35	37
BETONG	8	633	2	91	94
Sarikei	3	523	3	190	188
Meradong	0	186	0	78	73
Pakan	0	93	0	7	7
Julau	0	132	0	31	32
SARIKEI	3	934	3	306	300
Daro	0	132	0	6	7
Matu	0	86	1	3	4
Dalat	0	118	3	33	84
Mukah	2	162	1	82	42
MUKAH	2	498	5	124	137
Sibu	10	906	3	141	149
Kanowit	0	47	0	22	6
Selangau	0	38	0	6	22
SIBU	10	991	3	169	177
Song	3	59	0	11	12
Kapit	2	403	0	52	64
Belaga	0	127	0	52	55
KAPIT	5	589	0	115	131
Tatau	2	101	0	25	25
Bintulu	6	823	12	711	25
BINTULU	8	924	12	736	772
Miri	9	1210	10	279	324
Marudi	1	114	0	52	49
MIRI	10	1324	10	331	373
Limbang	0	452	2	64	65
Lawas	2	103	0	4	4
LIMBANG	2	555	2	68	69
SARAWAK	89	13190	66	3014	3170



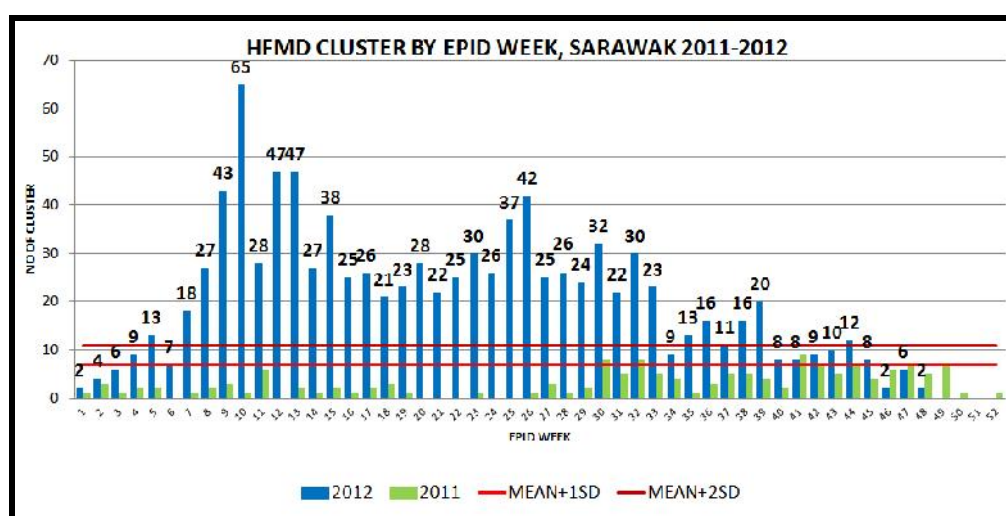
EW = Epid. Week; Cum. = Cumulative figure

10.2.1 Comparison of total number of notified HFMD cases and registered HFMD cases in e-Notifikasi system by district as at 1st December 2012.

District	Masterlist		Registered Case		Back Log	
	EW 48	Total	EW 48	Total	EW 48	Total
Kuching	27	3828	34	3835	-7	-7
Bau	0	388	0	388	0	0
Lundu	2	254	2	254	0	0
KUCHING	29	4470	36	4477	-7	-7
Samarahan	1	690	0	654	1	36
Asajaya	2	90	3	95	-1	-5
Simunjan	1	215	0	204	1	11
Serian	7	718	8	719	-1	-1
SAMARAHAN	11	1713	11	1672	0	41
Sri Aman	1	479	1	479	0	0
Lubok Antu	0	80	0	75	0	5
SRI AMAN	1	559	1	554	0	5
Betong	5	365	1	361	4	4
Saratok	3	268	4	269	-1	-1
BETONG	8	633	5	630	3	3
Sarikei	3	523	0	470	3	53
Meradong	0	186	4	188	-4	-2
Pakan	0	93	0	89	0	4
Julau	0	132	0	128	0	4
SARIKEI	3	934	4	875	-1	59
Daro	0	132	0	128	0	4
Matu	0	86	0	63	0	23
Mukah	2	162	1	161	1	1
Dalat	0	118	0	104	0	14
MUKAH	2	498	1	456	1	42
Sibu	10	906	10	906	0	0
Selangau	0	38	0	39	0	-1
Kanowit	0	47	0	45	0	2
SIBU	10	991	10	990	0	1
Kapit	2	403	3	404	-1	-1
Song	3	59	3	59	0	0
Belaga	0	127	0	152	0	-25
KAPIT	5	589	6	615	-1	-26
Bintulu	6	823	4	1015	2	-192
Tatau	2	101	2	131	0	-30
BINTULU	8	924	6	1146	2	-222
Miri	9	1210	0	1173	9	37
Marudi	1	114	3	119	-2	-5
MIRI	10	1324	3	1292	7	32
Limbang	0	452	0	454	0	-2
Lawas	2	103	0	99	2	4
LIMBANG	2	555	0	553	2	2
SARAWAK	89	13190	83	13260	6	-70

10.2.2. HFMD Clusters and closure

Division	Cluster		Closure	
	EW48	Cum	EW48	Cum
Kuching	0	362	0	59
Samarahan	1	112	0	14
Sri Aman	0	19	0	0
Betong	0	50	0	10
Sarikei	0	118	0	28
Mukah	0	40	0	7
Sibu	1	68	0	0
Kapit	0	31	0	0
Bintulu	0	41	0	8
Miri	0	103	0	2
Limbang	0	80	0	6
Sarawak	2	1024	0	134



Division	Category of HFMD Clusters in 2012				Total
	Family	School	Pre School	Child Care Centre	
Kuching	294	19	34	15	362
Samarahan	97	2	10	3	112
Sri Aman	18	1	0	0	19
Betong	40	1	7	2	50
Sarikei	90	3	17	8	118
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	831	43	110	40	1024

10.3. Notified Leptospirosis cases for Epid. Week 48, 2012 compared to Epid. Week 48, 2011 and cumulative cases till Epid.Week 48 in 2012.

District / Division	Case classification				Total		
	Confirmed		Probable		2012	2011	2010
	EW (48) 2012	EW (48) 2011	EW (48) 2012	EW (48) 2011			
Lundu	0	0	0	1	4	6	0
Bau	0	0	0	0	9 (2)	5 (1)	1
Kuching	0	0	1	2	69 (2)	40 (2)	12
KUCHING	0	0	1	3	82 (4)	51 (3)	13
Samarahan	0	0	0	0	9	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	0	2	18	24 (3)	4
Sri Aman	0	0	0	0	13	14 (2)	1
Lubok Antu	0	0	2	0	13	11	3 (1)
SRI AMAN	0	0	2	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
Daru	0	0	0	0	0	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	0	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	0	1	3	7 (1)	0
KAPIT	0	0	0	2	54	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	0	1	3	7(2)	259 (8)	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 48, 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 Sebuku Cina, Bau	2	14/09/2012

10.4. Notified Melioidosis cases for Epid. Week 48, 2011 compared to Epid. Week 48, 2011 and cumulative cases until Epid. Week 48, 2012

District / Division	Case classification				Total		
	Confirmed		Probable		2012	2011	2010
	EW (48) 2012	EW (48) 2011	EW (48) 2012	EW (48) 2011			
Lundu	0	0	0	0	0	0	0
Bau	0	0	0	0	0	1	0
Kuching	0	0	1	0	1	4	12 (1)
KUCHING	0	0	1	0	1	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
Sciran	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
Belong	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
Matu	0	0	0	0	0	0	0
Dalat	0	0	0	0	1	0	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)	1	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)
Tatau	0	0	0	0	0	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	1	0	40 (1)	121 (11)	345 (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

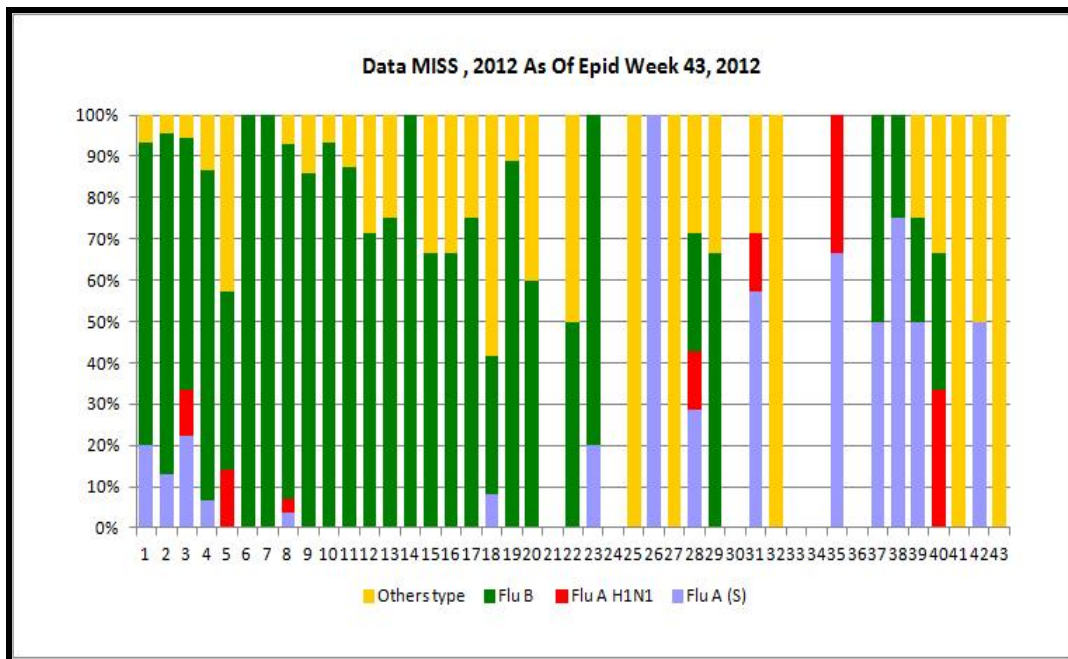
Note

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

® Hospital indicate facility where patient admitted

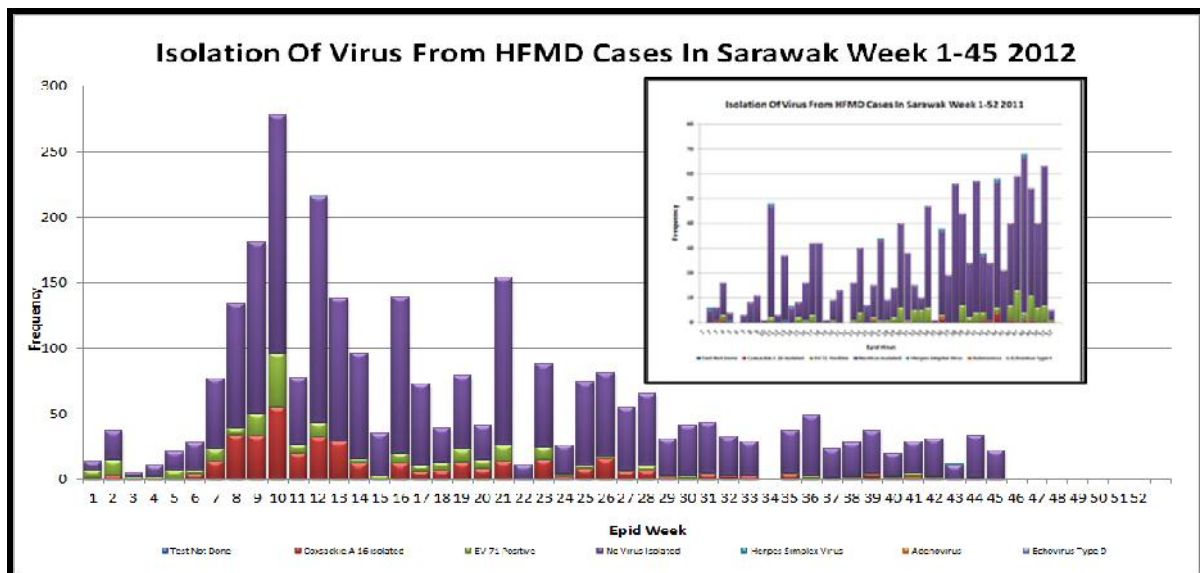
11. LABORATORY BASED SURVEILLANCE

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

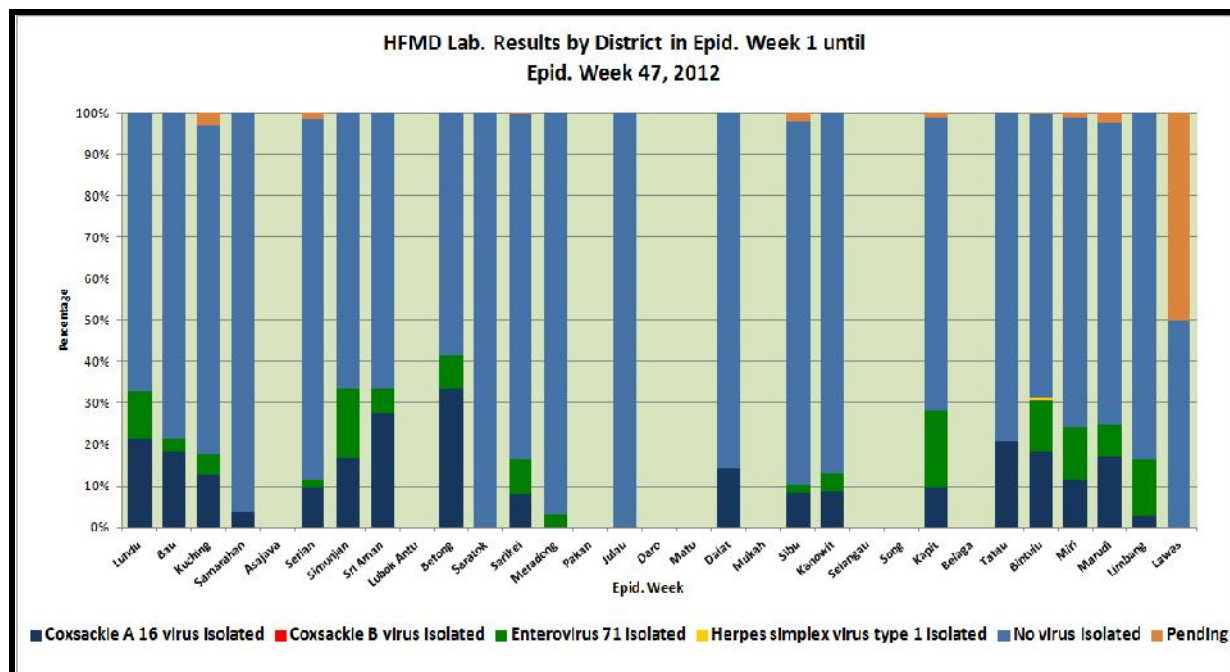


* specimen from Sabah were analysed at MKAK Kota Kinabalu, Sabah.

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



As of 1st 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 17th November 2012)

No	Name/Designation	Office Address	E-mail Address	Tel./Fax/Handphone No.
1	Ketua Penolong Pengarah Kanan	Seksyen Kawalan Penyakit Berjangkit		Tel : 082-473200/277
	Dr. Razitasham Binti Safii	Jabatan Kesihatan Negeri Sarawak	razitasham@srwk.moh.gov.my	Fax : 082-443098
				Hp : 013-3047635
2	Ketua Penolong Pengarah	Seksyen Kawalan Penyakit Berjangkit	crnoorzilawati@gmail.com	Tel : 082-473200/276
	Dr. Noorzilawati Binti Sahak	Jabatan Kesihatan Negeri Sarawak	noorzilawati.s@srwk.moh.gov.my	Fax : 082-443098
				Hp : 014-5999126
3	Pegawai Kesihatan Bahagian Kuching	Pejabat Kesihatan Bahagian Kuching,		Tel : 082-238635/257867
	Dr. Kamarudin Lajim	Jalan Tun Ahmad Zaidi Aduce,	kamarudinl@srwk.moh.gov.my	Fax : 082-414542/250037
		93250 Kuching		Hp : 013-3014332
4	Pegawai Epidemiologi Bahagian Kuching	Pejabat Kesihatan Bahagian Kuching,		Tel : 082-238635/257867
	Dr. Ruziana Miss	Jalan Tun Ahmad Zaidi Aduce,	ruziana.m@srwk.moh.gov.my	Fax : 082-414542/250037
		93250 Kuching		Hp : 019-3356456
5	Pegawai Kesihatan Bahagian Samarahan	Pejabat Kesihatan Bahagian Samarahan		Tel : 082-673626
	Dr. Julaidah Sharip	Jalan Datuk Muhammad Musa,	julaidah.s@srwk.moh.gov.my	Fax : 082-673632
		94300 Kota Samarahan		Hp : 019-3270869
6	Pegawai Kesihatan Bahagian Sri Aman	Pejabat Kesihatan Bahagian Sri Aman		Tel : 083-332176
	Dr. Nor Rafizah Aminah bte Aziz	Tingkat 3, Wisma Persekutuan,	rafizah76@gmail.com	Fax : 083-322058
		Jalan Hospital, 95007 Sri Aman		Hp : 012-2110315
7	Pegawai Kesihatan Bahagian Betong	Pejabat Kesihatan Bahagian Betong		Tel : 083-472116
	Dr. Jeffery Stephen	KM 2, Jalan Betong,	stjeffery@srwk.moh.gov.my	Fax : 083-471870
		95700 Betong		Hp : 019-3584053
8	Pegawai Kesihatan Bahagian Sarikei	Pejabat Kesihatan Bahagian Sarikei		Tel : 084-651077
	Dr. Hasrina Hassan	Tingkat 3, Wisma Persekutuan,	hasrina@srwk.moh.gov.my	Fax : 084-654088
		96100 Sarikei		Hp : 013-3403363
9	Pegawai Kesihatan Bahagian Sibul	Pejabat Kesihatan Bahagian Sibul		Tel : 084-315494
	Dr. Muhamad Rais Abdullah	Tingkat 5, Wisma Persekutuan,	mdrais@srwk.moh.gov.my	Fax : 084-348284
		Persiaran Brooke, 96000 Sibul		Hp : 019-3196459
10	Pegawai Kesihatan Bahagian Kapit	Pejabat Kesihatan Bahagian Kapit		Tel : 084-796404
	Dr. Ngian Hie Ung	Tingkat 3, Wisma Persekutuan,	ngiahu@srwk.moh.gov.my	Fax : 084-332502
		96800 Kapit		Hp : 071-3030839
11	Pegawai Kesihatan Bahagian Mukah	Pejabat Kesihatan Bahagian Mukah		Tel : 084-873301
	Dr. Hj. Osman Hj. Rafaie	Jalan Haji Muhammad Pauzi	dho_mukah@yahoo.com	Fax : 084-872963
		96400 Mukah		Hp : 013-3014700
12	Pegawai Epidemiologi Bahagian Mukah	Pejabat Kesihatan Bahagian Mukah		Tel : 084-873301
	Dr. Daliana Bt. Nik Farid	Jalan Haji Muhammad Pauzi	daliana75@gmail.com	Fax : 084-872963
		96400 Mukah		Hp : 012-2779250
13	Pegawai Kesihatan Bahagian Bintulu	Pejabat Kesihatan Bahagian Bintulu		Tel : 086-315235
	Dr. Azlee Bin Ayub	Jalan Tun Ahmad Zaidi Aduce,	azlee@srwk.moh.gov.my	Fax : 086-312354
		97000 Bintulu		Hp : 016-3625257
14	Pegawai Kesihatan Bahagian Miri	Pejabat Kesihatan Bahagian Miri		Tel : 086-424722
	Dr. Faizul Mansoor	Jalan Temenggong Oyong Lawai Jau,	bmfaizul@srwk.moh.gov.my	Fax : 086-429987
		98000 Miri		Hp : 013-3335504
15	Pegawai Epidemiologi Bahagian Miri	Pejabat Kesihatan Bahagian Miri		Tel : 086-424722
	Dr. Veronica Lugah	Jalan Temenggong Oyong Lawai Jau,	verolugah@yahoo.com	Fax : 086-429987
		98000 Miri		Hp : 019-5061847
16	Pegawai Kesihatan Bahagian Limbang	Pejabat Kesihatan Bahagian Limbang		Tel : 085-211046
	Dr. Norliza Jusoh	Jalan Pandaruan,	norlizaj@srwk.moh.gov.my	Fax : 085-429987
		98700 Limbang		Hp : 019-3163163

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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.