



SARAWAK

WEEKLY EPID NEWS

Sarawak Health Department

EPID.WEEK 51

15th – 21th Dec. 2013

INFECTIOUS DISEASE/CRISIS HIGHLIGHTS IN SARAWAK

Local Update:

Global Update:

H7N9

Status as on 11th August, 2013.

There are a total of 135 laboratory confirmed human cases with avian influenza A(H7N9) virus including 43 fatalities in China.

MERS-CoV

Status as on 28th December, 2013.

Globally, from September 2012 to date, WHO has been informed of a total of 171 laboratory-confirmed cases of infection with MERS-CoV, including 73 deaths.

*MERS-CoV- Middle East Respiratory Syndrome Coronavirus

INSIDE

Topic	Page
Infectious disease/crisis highlights in Sarawak	1
New outbreaks/clusters	2
Summary mandatory notifiable diseases	3
Food-Water Borne Diseases	4
Vaccine Preventable Diseases	5
HIV/AIDS and STI	9
Tuberculosis and Leprosy	11
Vector Borne Diseases	14
Other Infectious Diseases	18
Emerging/Re-emerging Infectious and Zoonotic Diseases	19
Laboratory based surveillance	28



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	Diseases	Number of outbreak/Cluster	Total cases affected
1	HFMD	5	16
2	Food Poisoning	2	7

Note: Data is based on outbreak reported in E-Wabak.

3. SUMMARY OF MANDATORY NOTIFIABLE DISEASES REPORTED IN EPID. WEEK 51, 2013

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									4											1							1
Bau																											
Kuching						5				4	15																
Samarahan										1																	
Asajaya						1																					
Simunjan																											
Serian						1					1																1
Sri Aman						1													1	1							
L/ Antu																		1	1								
Betong									3																		
Saratok						1					4																1
Sarikei										2											1						
Meradong											1																
Pakan																				1							
Julau																											1
Daro	1/0												1						1								
Matu																											
Dalat													1														
Mukah	1/0					1					1										2						
Sibu	1/0					2				3	25										6						1
Kanowit											3		1														
Selangau													2														1
Song																			1								
Kapit						4							5														
Belaga						1							2														
Tatau						3													1								
Bintulu	4/0					3				1	2		2														2
Miri	1/0					2				1	25		1								7						
Marudi													7														
Limbang											1		1														
Lawas											1										10						
TOTAL (Week 51)	8					25			7	12	79		23						5	30							7
Total (2013)	183/99					1273	4		1135	533	8487	36	987	30	310				238	2	2519	14		247	205		404
Total (2012)	159/102	0	0	111	0	1519	38	0	1463	479	13495	46	1573	12	724	0	0	0	271	1	2187	33	0	177	1	0	182
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

4. SURVEILLANCE REPORT ON FOOD-WATER BORNE DISEASES

4.1. Cumulative cases from EpidWeek 1 until Epid Week 51, 2013

Daerah	Kes Daftar								
	Tifoid/Paratyphoid				KRM*	Kolera	Disentri		Hep. A
	Disyaki	<i>S. typhi</i>	Para. A	Para. B			Disyaki	Sah	
Lundu	0	0	0	0	4	0	2	0	0
Bau	0	0	0	0	0	0	0	0	0
Kuching	5	0	0	1	59	0	29	2	0
Asajaya	0	0	0	0	27	0	4	0	0
Samarahan	1	0	0	0	47	0	11	0	0
Simunjan	0	0	0	0	0	0	0	0	0
Serian	1	0	0	0	77	0	6	0	0
Sri Aman	1	0	1	0	0	0	0	0	0
Lubok Antu	2	2	0	0	65	0	0	0	0
Betong	1	0	0	1	32	0	4	0	0
Saratok	0	0	0	0	16	0	19	3	0
Sarikei	1	0	0	0	67	0	15	2	0
Maradong	3	2	0	0	57	0	8	0	0
Julau	0	0	0	0	1	0	2	0	0
Pakan	2	0	0	0	23	0	10	3	0
Mukah	0	0	0	0	11	0	3	0	0
Dalat	0	0	0	0	0	0	0	0	0
Daro	0	0	0	0	0	0	1	1	0
Matu	0	0	0	0	2	0	0	0	0
Sibu	3	2	0	0	52	0	7	2	0
Kanowit	1	1	0	0	73	0	3	0	0
Selangau	0	0	0	0	79	0	0	0	0
Kapit	0	0	0	0	27	0	1	0	0
Belaga	4	1	0	0	4	0	1	0	0
Song	0	0	0	0	35	0	2	0	0
Bintulu	3	1	1	0	97	0	15	0	1
Tatau	0	0	0	0	3	0	1	0	0
Miri	0	0	0	0	107	0	1	0	0
Marudi	0	0	0	0	9	0	0	0	1
Limbang	1	0	0	0	139	0	0	0	0
Lawas	0	0	0	0	12	0	0	0	0
Jumlah	29	9	2	2	1125	0	145	13	2
2012	132	28	7	3	1551	111	131	15	3

*Note:

S = Suspected; C = Confirmed

FP: Food Poisoning

() = Death

4.2 Summary number of FWBD cases and outbreak from Epid.week 1-51

Diseases	Number of cases		Outbreak	
	EW 51	2013	EW 51	2013
KRM	7	1135	2*	81
Tifoid	0	10	0	1
Paratyphoid A,B,C	0	4	0	0
Kolera	0	0	0	0
Dysentery	0	10	0	0
Salmonellosis*	0	3	0	0
Hep. A	0	2	0	0
AGE dan lain-lain				0
JUMLAH	7	1164	2	92

* Kampung Hilir Laut, Kapong (3 cases)

* No. 68, Kampung Sekambal, Lundu (4 cases)

5. SURVEILLANCE REPORT ON VACCINE PREVENTABLE DISEASES

5.1. Totalnumber of Vaccine Preventable Diseases (VPD) by divisionfrom Epid.Week 1 until Epid Week 51, 2013

Division	TYPES OF DISEASES											
	Measles					Rubella	Tetanus C	Whooping Cough		Hepatitis B		Japanese Encephalitis
	Suspected (Registered Cases in SM2)	Confirmed			Discard	Lab. Confirmed		S	C	Acute	Chronic	
		Lab. Confirmed	Clinically Confirmed	Epid. Link								
Kuching	94	1	0	0	40	6	0	19	2	4	25	2
Samarahan	31	0	0	0	21	5	1	9	6	0	13	0
Sri Aman	6	0	0	0	1	0	0	0	0	1	6	2
Betong	32	1	0	0	21	9	0	0	0	2	4	0
Sarikei	42	4	1	0	27	5	1	0	0	2	7	0
Sibu	5	0	0	0	5	0	0	2	0	0	11	0
Kapit	37	0	0	0	31	27	0	1	0	0	0	0
Mukah	4	0	0	0	0	0	0	1	0	2	1	0
Bintulu	18	0	0	0	4	1	1	0	0	3	9	0
Miri	115	0	0	0	53	19	0	1	0	4	19	0
Limbang	26	2	0	0	12	2	0	0	0	1	43	0
Sarawak	410	8	0	0	215	74	3	33	8	19	149	4

Note: S = suspected; C = confirmed

5.2.Measles Elimination Programme (MEP) Achievement by Division fromEpid. Week1 until Epid Week 51, 2013

CUMMULATIVE MEP ACHIEVEMENT EPID. WEEK 51, 2013													
Division	Population	Total Suspected cases	Laboratory Confirmed	Incidence Rate per 1 million population (Confirmed cases)	Suspected Case Rate (≥ 21/100,000)	% Of Suspected Cases Notified Within 24 hrs of Diagnosis (80%)		% Of Suspected Cases Investigated (>80%)		% Of Suspected Cases Investigated Within 48hrs of Notification (>80%)		% Of Suspected Cases With Specimen Taken (>80%)	
		No	No.	/ 1 mil		No	%	No	%	No	%	No	%
KUCHING	726862	94	1	1.38	12.93	94	100.00	94	100.00	89	94.68	94	100.00
SAMARAHAN	258193	31	0	0.00	12.01	30	96.77	31	100.00	30	96.77	31	100.00
SRI AMAN	97637	6	0	0.00	6.15	6	100.00	6	100.00	5	83.33	6	100.00
BETONG	111495	32	1	8.97	28.70	32	100.00	32	100.00	29	90.63	32	100.00
SARIKEI	122346	42	4	32.69	34.33	38	90.48	42	100.00	40	95.24	42	100.00
SIBU	308825	5	0	0.00	1.62	5	100.00	5	100.00	5	100.00	5	100.00
KAPIT	116169	37	0	0.00	31.85	33	89.19	37	100.00	33	89.19	37	100.00
MUKAH	113349	4	0	0.00	3.53	4	100.00	4	100.00	4	100.00	4	100.00
BINTULU	226162	18	0	0.00	7.96	16	88.89	18	100.00	18	100.00	18	100.00
MIRI	375575	115	0	0.00	30.62	103	89.57	115	100.00	109	94.78	115	100.00
LIMBANG	89187	26	2	22.42	29.15	25	96.15	26	100.00	25	96.15	26	100.00
TOTAL	2545800	410	8	3.14	16.10	387	94.39	410	100.00	387	94.39	410	100.00

5.4 Acute Flaccid Paralysis (AFP)

Reported AFP cases in Sarawak, in Epid Week 1-51, 2013.

Division	Population age < 15	Reported AFP 2012	¹ Expected AFP 2013	Reported AFP 2013	Indicators		
					² Adequate stool	³ Adequate follow up	Discard category
Kuching	238,400	1	2	1	1	0	1
Samarahan	79,300	3	1	0	0	0	0
Sri Aman	33,300	0		1	1	0	1
Betong	43,600	0		0	0	0	0
Sibu	97,900	0	1	0	0	0	0
Kapit	37,400	0		0	0	0	0
Mukah	30,100	0		0	0	0	0
Sarikei	65,000	1	1	0	0	0	0
Miri	123,500	2	1	3	3	0	3
Bintulu	75,800	1	1	1	2	0	2
Limbang	30,400	0		0	0	0	0
TOTAL	854.7	8	7	6	7	0	7

¹Target Non Polio 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 at 24 hours apart within 14 days from the onset of paralysis : Target >80%

-³Follow-up examination for residual paralysis at 60 days after 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 51, 2013 and cumulative cases from Epid. Week 1, 2013 until Epid Week 51, 2013.

HIV

District / Division	2013		2012		Total
	EW (current)	Cum.	EW (current)	Cum.	
Lundu		1		2	
Bau		2		6	
Kuching		62		50	
KUCHING	0	65	0	58	
Samarahan		9		7	
Asajaya		1		3	
Simunjan		0		3	
Serian		4		7	
SAMARAHAN	0	14	0	20	
Sri Aman		2		3	
Lubok Antu		0		0	
SRI AMAN	0	2	0	3	
Betong		2		1	
Saratok		0		1	
BETONG	0	2	0	2	
Sarikei		1		2	
Meradong		2	2	5	
Pakan		2		0	
Julau		1		2	
SARIKEI	0	6	2	9	
Daro	1	3		0	
Matu		2		0	
Dalat		0		0	
Mukah	1	1		3	
MUKAH	2	6	0	3	
Sibu	1	21		26	
Kanowit		6		2	
Selangau		0		0	
SIBU	1	27	0	28	
Song		0		1	
Kapit		0		2	
Belaga		3		0	
KAPIT	0	3	0	3	
Tatau		1		1	
Bintulu	4	26		4	
BINTULU	4	27	0	5	
Miri	1	22		34	
Marudi		0		1	
MIRI	1	22	0	35	
Limbang		3		11	
Lawas		6		2	
LIMBANG	0	9	0	13	
Sarawak	8	183	2	179	

AIDS

District / Division	2012		2013		Total
	EW (current)	Cum.	EW (current)	Cum.	
Lundu		1		1	
Bau		1		1	
Kuching		28		41	
KUCHING	0	30	0	43	
Samarahan		4		3	
Asajaya		1		2	
Simunjan		2		0	
Serian		4		1	
SAMARAHAN	0	11	0	6	
Sri Aman		2		1	
Lubok Antu		0		0	
SRI AMAN	0	2	0	1	
Betong		0		2	
Saratok		0		0	
BETONG	0	0	0	2	
Sarikei	1	4		0	
Meradong		4		1	
Pakan		1		2	
Julau		1		1	
SARIKEI	1	10	0	4	
Daro		0		0	
Matu		0		1	
Dalat		0		0	
Mukah		1		0	
MUKAH	0	1	0	1	
Sibu		14		13	
Kanowit		2		3	
Selangau		0		0	
SIBU	0	16	0	16	
Song		1		0	
Kapit		2		0	
Belaga		0		2	
KAPIT	0	3	0	2	
Tatau		1		1	
Bintulu	3	17		12	
BINTULU	3	18	0	13	
Miri	1	7		8	
Marudi		1		0	
MIRI	1	8	0	8	
Limbang		5		1	
Lawas		2		2	
LIMBANG	0	7	0	3	
Sarawak	5	106	0	99	

EW = Epid. Week; Cum. = Cumulative figure

6.2 Notified Gonorrhoea and Syphilis (all forms) cases for Epid. Week 51, 2013 and Cumulative cases Epid. Week 1, 2013 until Epid Week 51, 2013.

Gonorrhoea

District / Division	2013		2012		Total
	EW (current)	Cum.	EW (current)	Cum.	
Lundu		4		4	
Bau		5		11	
Kuching	4	190		117	
KUCHING	4	199	0	132	
Samarahan	1	50		17	
Asajaya		17		13	
Simunjan		11		11	
Serian		16		7	
SAMARAHAN	1	94	0	48	
Sri Aman		4		6	
Lubok Antu		1		2	
SRI AMAN	0	5	0	8	
Betong		8		0	
Saratok		4		2	
BETONG	0	12	0	2	
Sarikei	2	13		2	
Meradong		4		2	
Pakan		1		0	
Julau		2		0	
SARIKEI	2	20	0	4	
Daro		2		5	
Matu		3		8	
Dalat		0		1	
Mukah		13		3	
MUKAH	0	18	0	17	
Sibu	3	88	2	51	
Kanowit		5		1	
Selangau		3		3	
SIBU	3	96	2	55	
Song		0		0	
Kapit		9		4	
Belaga		0		0	
KAPIT	0	9	0	4	
Tatau		12		0	
Bintulu	1	39	1	8	
BINTULU	1	51	1	8	
Miri	1	17		23	
Marudi		7		3	
MIRI	1	24	0	26	
Limbang		5		3	
Lawas		0		2	
LIMBANG	0	5	0	5	
Sarawak	12	533	3	309	

Syphilis

District / Division	2013		2012		Total
	EW (current)	Cum.	EW (current)	Cum.	
Lundu		2		4	
Bau		8		6	
Kuching		47		77	
KUCHING	0	57	0	86	
Samarahan		17		14	
Asajaya		3		11	
Simunjan		5		8	
Serian		4		2	
SAMARAHAN	0	29	0	34	
Sri Aman	1	14		13	
Lubok Antu	1	5		5	
SRI AMAN	2	19	0	17	
Betong		3		0	
Saratok		3		2	
BETONG	0	6	0	2	
Sarikei		5		0	
Meradong		6		2	
Pakan		1		1	
Julau		1		0	
SARIKEI	0	13	0	3	
Daro	1	1		2	
Matu		0		0	
Dalat		2		1	
Mukah		3		2	
MUKAH	1	6	0	5	
Sibu		37	2	48	
Kanowit		9		1	
Selangau		3		2	
SIBU	0	49	2	51	
Song	1	1		0	
Kapit		1		6	
Belaga		2		0	
KAPIT	1	4	0	5	
Tatau	1	3		0	
Bintulu		17	1	9	
BINTULU	1	20	1	9	
Miri		7		11	
Marudi		9		2	
MIRI	0	16	0	18	
Limbang		6		3	
Lawas		13		0	
LIMBANG	0	19	0	3	
Sarawak	5	238	3	232	

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

7.1 Notified Tuberculosis cases for Epid. Week 51, 2013 compared to Epid. Week 51, 2012 and cumulative cases until Epid. Week 51, 2013.

District / Division	2013		2012		
	EW (51)	Cum.	EW (51)	Cum.	Total
Lundu	1	20	3	38	38
Bau	0	55	0	34	38
Kuching	0	518	13	473	501
KUCHING	1	593	16	545	577
Samarahan	0	54	1	47	44
Asajaya	0	30	1	22	22
Simunjan	0	44	1	44	47
Serian	0	69	4	40	40
SAMARAHAN	0	197	7	153	153
Sri Aman	1	89	2	63	63
Lubok Antu	1	59	3	47	44
SRI AMAN	2	148	5	110	107
Betong	0	55	1	51	52
Saratok	0	51	0	58	59
BETONG	0	106	1	109	111
Sarikei	1	51	0	72	73
Meradong	0	30	1	40	38
Pakan	1	29	1	31	32
Julau	0	20	0	19	20
SARIKEI	2	130	2	162	163
Daro	0	33	0	24	27
Matu	0	18	0	8	10
Dalat	0	4	0	13	13
Mukah	2	48	0	58	64
MUKAH	2	104	0	103	114
Sibu	6	234	4	217	226
Kanowit	0	43	1	38	41
Selangau	0	41	0	49	51
SIBU	6	318	5	304	318
Song	0	13	0	10	10
Kapit	0	72	0	57	60
Belaga	0	42	0	47	47
KAPIT	0	130	0	114	117
Tatau	0	43	0	52	53
Bintulu	0	207	5	240	252
BINTULU	0	250	5	292	305
Miri	7	376	3	305	310
Marudi	0	73	1	80	81
MIRI	7	449	4	385	391
Limbang	0	53	1	54	52
Lawas	10	41	0	21	22
LIMBANG	10	94	1	75	74
Sarawak	30	2519	46	2352	2430

7.2 Notified Leprosy cases for Epid. Week 51, 2013 compared to Epid. Week 51, 2012 and cumulative cases until Epid. Week 51, 2013.

District / Division	2013		2012		
	EW (51)	Cum.	EW (51)	Cum.	Total
Lundu	0	0	0	0	1
Bau	0	0	0	0	0
Kuching	0	2	0	1	1
KUCHING	0	2	0	1	0
Samarahan	0	0	0	0	0
Asajaya	0	0	0	0	0
Simunjan	0	0	0	0	1
Serian	0	0	0	0	0
SAMARAHAN	0	0	0	0	0
Sri Aman	0	0	0	0	2
Lubok Antu	0	0	0	0	3
SRI AMAN	0	0	0	0	1
Betong	0	0	0	0	0
Saratok	0	0	0	0	0
BETONG	0	0	0	0	5
Sarikei	0	0	0	0	6
Meradong	0	0	0	0	5
Pakan	0	0	0	0	0
Julau	0	0	0	0	0
SARIKEI	0	0	0	0	5
Daro	0	0	0	0	0
Matu	0	1	0	0	0
Dalat	0	0	0	0	4
Mukah	0	1	0	0	4
MUKAH	0	2	0	0	0
Sibu	0	2	0	1	2
Kanowit	0	0	0	0	2
Selangau	0	0	0	0	9
SIBU	0	2	0	1	11
Song	0	0	0	0	20
Kapit	0	0	0	0	1
Belaga	0	5	0	3	0
KAPIT	0	5	0	3	1
Tatau	0	0	0	0	44
Bintulu	0	5	0	1	1
BINTULU	0	5	0	1	45
Miri	0	2	0	0	4
Marudi	0	18	0	0	5
MIRI	0	20	0	0	9
Limbang	0	0	0	3	4
Lawas	0	0	0	0	0
LIMBANG	0	0	0	4	4
Sarawak	0	36	0	10	81

EW = Epid. Week; Cum. = Cumulative figure

7.3 Notified Tuberculosis (all forms) Case Classification as on 21st December, 2013

District / Division	Case classification					
	Positive smear		Negative smear		Extra TB	
	EW (51)	Cum.	EW (51)	Cum.	EW (51)	Cum.
Lundu	1	6		13		1
Bau		39		10		6
Kuching		299		169		50
KUCHING	1	344	0	192	0	57
Samarahan		31		17		6
Asajaya		25		2		3
Simunjan		29		9		6
Serian		33		23		13
SAMARAHAN	0	118	0	51	0	28
Sri Aman	1	49		31		9
Lubok Antu		31	1	25		3
SRI AMAN	1	80	1	56	0	12
Betong		40		7		8
Saratok		30		16		5
BETONG	0	70	0	23	0	13
Sarikei	1	23		19		9
Meradong		16		10		4
Pakan		12	1	11		6
Julau		10		6		4
SARIKEI	1	61	1	46	0	23
Daro		20		10		4
Matu		12		6		0
Dalat		4		0		0
Mukah	2	32		15		1
MUKAH	2	68	0	31	0	5
Sibu	4	147	2	54		33
Kanowit		26		9		8
Selangau		26		8		7
SIBU	4	199	2	71	0	48
Song		9		4		0
Kapit		43		20		9
Belaga		23		15		7
KAPIT	0	75	0	39	0	16
Tatau		11		30		2
Bintulu		107		75		25
BINTULU	0	118	0	105	0	27
Miri	7	266		50		60
Marudi		55		10		7
MIRI	7	321	0	60	0	67
Limbang		40		2		11
Lawas	9	32		2	1	7
LIMBANG	9	72	0	4	1	18
Sarawak	25	1526	4	678	1	314

EW = Epid. Week; Cum. = Cumulative figure

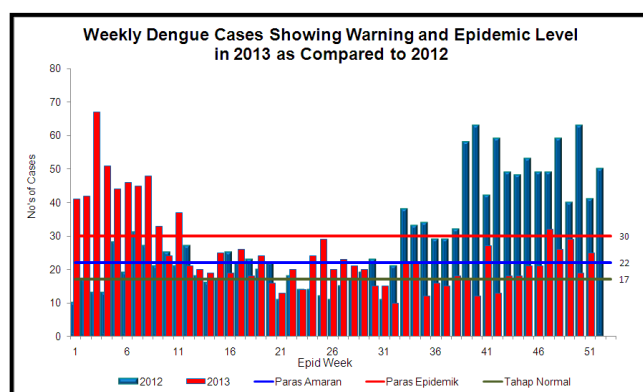
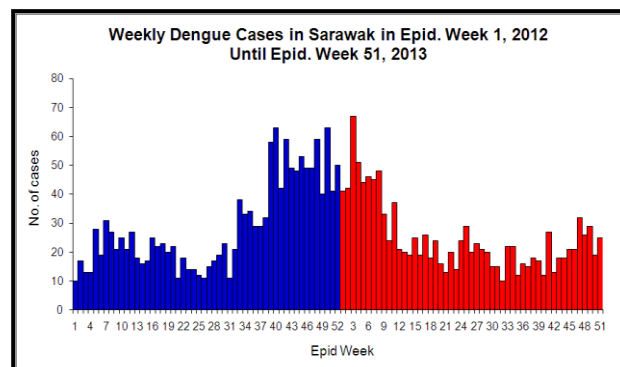
7.3 Notified Tuberculosis (all forms) Patient Classification as on 21st December, 2013

District / Division	Children (<15yrs)		Health care worker				PUSPEN/Prison		Foreigner		TB/HIV		Pusat jagaan	
	EW (51)	Cum.	*Exposed	*Not exposed	*Exposed	*Not exposed	EW (51)	Cum.	EW (51)	Cum.	EW (51)	Cum.	EW (51)	Cum.
			EW (51)	Cum.	EW (51)	Cum.								
Lundu		1		1		0		0		0		0		0
Bau		3		1		1		0		1		0		0
Kuching		12		14		14		0		12		15		0
KUCHING	0	16	0	17	0	17	0	0	0	13	0	15	0	0
Samarahan		0		1		1		0		1		0		0
Asajaya		0		0		0		0		2		0		0
Simunjan		2		0		0		0		1		1		0
Serian		5		0		0		0		3		1		0
SAMARAHAN	0	7	0	1	0	1	0	0	0	7	0	2	0	0
Sri Aman		0		0		0		1		3		1		0
Lubok Antu		0		0		0		0		0		0		0
SRI AMAN	0	0	0	0	0	0	0	1	0	3	0	1	0	0
Betong		2		0		0		0		3		2		0
Saratok		1		0		0		0		0		0		0
BETONG	0	3	0	0	0	0	0	0	0	3	0	2	0	0
Sarikei		2		0		0		0		0		0		0
Meradong		0		0		0		0		2		1		0
Pakan		0		0		0		0		0		0		0
Julau		1		0		0		0		0		1		0
SARIKEI	0	3	0	0	0	0	0	0	0	1	0	2	0	0
Daro		0		1		1		0		3		0		0
Matu		0		0		0		0		2		0		0
Dalat		0		0		0		0		0		0		0
Mukah		1		0		0		0		3		0		0
MUKAH	0	1	0	1	0	1	0	0	0	8	0	0	0	0
Sibu		6		5		5		0		5		5		0
Kanowit		4		0		0		0		2		2		0
Selangau		1		0		0		0		0		0		0
SIBU	0	11	0	5	0	5	0	0	0	7	0	7	0	0
Song		1		0		0		0		0		0		0
Kapit		7		0		0		0		3		0		0
Belaga		7		0		0		0		6		1		0
KAPIT	0	15	0	0	0	0	0	0	0	9	0	1	0	0
Tatau		10		1		1		0		5		0		0
Bintulu		12		0		0		0		47		7		0
BINTULU	0	22	0	1	0	1	0	0	0	52	0	7	0	0
Miri		14		2		2		2	3	54		2		0
Marudi		4		0		0		0		4		0		0
MIRI	0	18	0	2	0	2	0	2	3	58	0	2	0	0
Limbang		0		1		1		0		5		0		0
Lawas	1	2		0		0		0	1	8		1		0
LIMBANG	1	2	0	1	0	1	0	0	1	13	0	1	0	0
Sarawak	1	98	0	28	0	28	0	3	4	174	0	40	0	0

8. SURVEILLANCE REPORT ON VECTOR BORNE DISEASES

8.1. Notified Dengue cases for Epid. Week 51, 2013 compared to Epid. Week 51, 2012 and cumulative cases until Epid. Week 51, 2013.

District	2013		2012	
	EW 51	Cum.	EW 51	Cum.
Lundu	0	9	0	13
Bau	0	7	1	39
Kuching	5	156	1	160
Samarahan	0	14	1	36
Asajaya	1	8	0	7
Serian	1	28	0	22
Simunjan	0	12	1	18
Sri Aman	1	41	6	104
Lubok Antu	0	31	6	73
Betong	0	57	0	65
Saratok	1	41	1	35
Sarikei	0	55	1	48
Meradong	0	21	1	63
Pakan	0	36	1	57
Julau	0	14	1	48
Daro	0	7	0	7
Matu	0	5	0	9
Dalat	0	3	0	9
Mukah	1	6	0	13
Sibu	2	155	2	81
Kanowit	0	43	0	18
Selangau	0	21	0	9
Song	0	26	1	29
Kapit	4	74	6	87
Belaga	1	41	1	39
Tatau	3	24	1	36
Bintulu	3	90	2	115
Miri	2	115	3	124
Marudi	0	26	2	44
Limbang	0	11	0	28
Lawas	0	96	2	33
Sarawak	25	1273	41	1469

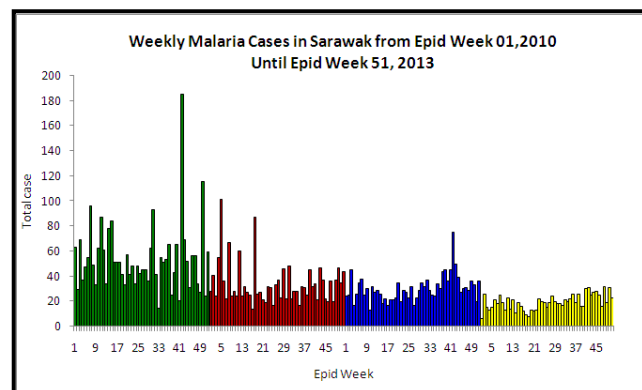


In 2013, a total of 25 dengue cases were reported for Week 51 (21st December 2013) as compared to 41 cases during the same period in 2012. There is a decrease of 6 cases compared to the previous week (Week 50, 2013). There is one new outbreak locality reported for this week from Lawas district. The cumulative of active outbreaks reported for this week is one.

EW = Epid. Week; Cum. = Cumulative figure

8.2. Notified Malaria cases for Epid. Week 51, 2013 compared to Epid.Week 51, 2012 and cumulative cases until Epid.Week51,in 2013.

District	2013		2012	
	EW 51	Cum.	EW 51	Cum.
Lundu	0	6	0	12
Bau	0	1	0	0
Kuching	0	15	0	18
Samarahan	0	3	0	3
Asajaya	0	0	0	0
Serian	0	3	0	6
Simunjan	0	3	0	9
Sri Aman	0	8	0	20
Lubok Antu	0	14	0	25
Betong	0	31	2	76
Saratok	0	24	1	37
Sarikei	0	8	0	18
Meradong	0	2	1	12
Pakan	0	29	0	65
Julau	0	59	0	89
Daro	1	2	0	6
Matu	0	0	0	1
Dalat	1	6	1	7
Mukah	0	2	0	2
Sibu	0	40	1	67
Kanowit	1	71	3	76
Selangau	2	15	1	39
Song	0	74	2	106
Kapit	5	200	4	228
Belaga	2	115	1	168
Tatau	0	14	0	28
Bintulu	2	39	0	32
Miri	1	16	0	28
Marudi	7	108	2	255
Limbang	1	22	0	29
Lawas	0	57	1	73
Sarawak	23	987	20	1535



A total of 23 cases were reported on week 51, 2013. Cumulative cases till week 51 were 987 cases. Of the 23 cases, 7 cases (30.4%) from Marudi District, 5 cases (21.7%) from Kapit District, 2 cases (8.7%) from Belaga, Bintulu and Selangau District. 5 other cases (21.8%) from 5 other District.

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 species and case classification

Species	Local *	Imported	WK 51	EW 1-51
<i>Plasmodium vivax</i>	0	3	3	212
<i>Plasmodium falciparum</i>	1	1	2	42
<i>Plasmodium malariae</i>	0	2	2	12
<i>Plasmodium knowlesi</i>	16	0	16	713
<i>Plasmodium ovale</i>	0	0	0	7
Mixed infection	0	0	0	1
Total	17	6	23	987

*Local = Indigenous, Relapsed, Introduce

8.2.2. The summary of the *Imported A cases

District	Nationality	Place of Infection	Cases	Gender	Age
Dalat	Malaysian	Papua New Guinea	<i>P. Vivax</i>	Male	54
Daro	Indonesian	Sambas, Kalimantan Barat, Indonesia.	<i>P. Falciparum</i>	Male	33
Bintulu	Malaysian	Liberia	<i>P. Malariae</i>	Male	43
Marudi	Malaysian	Congo, Afrika.	<i>P. Vivax</i>	Male	32
Kapit	Malaysian	Bata, Equatorial Guinea	<i>P. Malariae</i>	Male	21
Kanowit	Malaysian	Solomon Island	<i>P. Vivax</i>	Male	49

Case Definition Imported A = Source of infection from other country

8.4. Chikungunya

No case of Chikungunya was reported in week 51, 2013. During the same period in 2012, No case was reported. The cumulative case of Chikungunya for 2013 remain 1.

8.4. Filariasis

There is one new cases reported in week 51/2013, and 3 cases was reported during the same period in 2012. The cumulative numbers of cases for 2013 were 99.

8.5 Japanese Encephalitis (JE)

There is no new case reported in week 51/2013 and no case during the same period in 2012. The cumulative numbers of cases in 2013 were 4.

9. SURVEILLANCE REPORT ON OTHER INFECTIOUS DISEASES

9.1. Viral Encephalitis

No case reported in week 51. The cumulative number of viral encephalitis remains 4.

9.2. Viral Hepatitis (all form)

No	Type of Viral Hepatitis	Epid Week 49	Cum. 2013
1	Hepatitis A	0	1
2	Acute Hepatitis B	0	19
3	Chronic Hepatitis B	8	142
4	Acute Hepatitis C	0	15
5	Chronic Hepatitis C	4	71

9.3 Hepatitis B (Vertical Transmission)

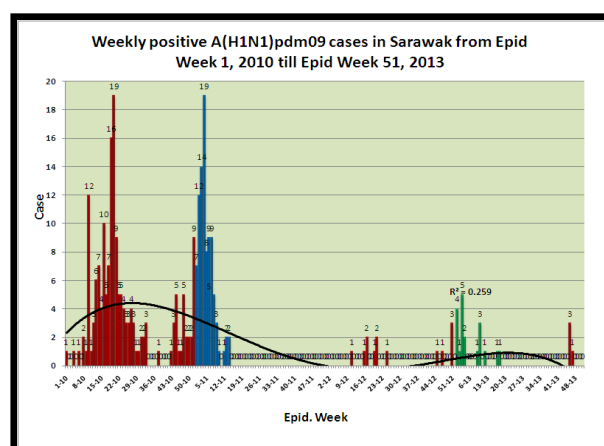
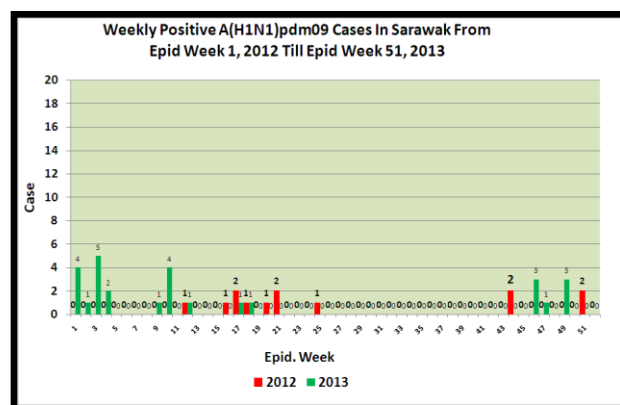
No	District	Number of cases
1	Lundu	1
2	Marudi	1
3	Limbang	2

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

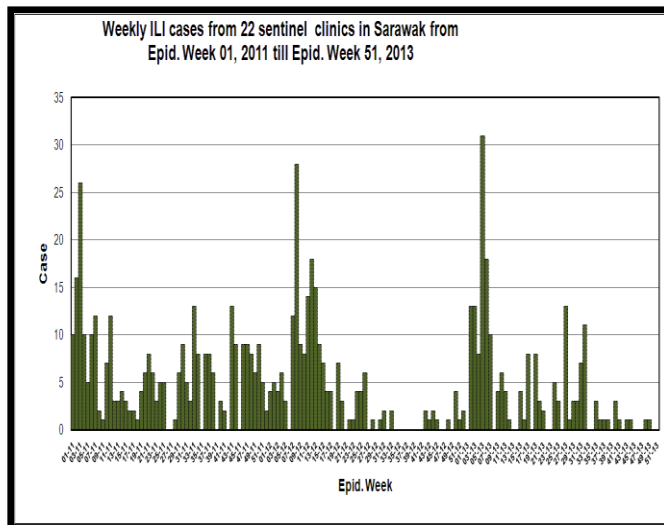
10.1.A/H1N1_{pdm09}

10.1.1 Positive Pandemic Influenza A/H1N1_{pdm09} as for Epid. Week 51, 2013 compared to Epid. Week 51, 2012 and cumulative cases in Epid. Week 51, in 2013.

District	2013		2012		Total
	EW 51	Cum.	EW 51	Cum.	
Lundu	0	0	0	0	0
Bau	0	0	0	0	0
Kuching	0	21	0	5	5
Samarahan	0	1	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	5	0	0	0
Saratok	0	0	0	0	0
Sarikei	0	0	0	0	0
Meradong	0	0	0	0	0
Julau	0	0	0	0	0
Daro	0	0	0	0	0
Dalat	0	0	0	0	0
Mukah	0	0	0	0	0
Sibu	0	0	0	0	0
Kanowit	0	0	0	0	0
Song	0	0	0	0	0
Kapit	0	0	0	0	0
Belaga	0	0	0	2	2
Tatau	0	0	0	1	1
Bintulu	0	0	0	5	5
Miri	0	0	0	0	0
Marudi	0	0	0	0	0
Limbang	0	0	0	0	0
Lawas	0	0	0	0	0
SARAWAK	0	27	0	13	13

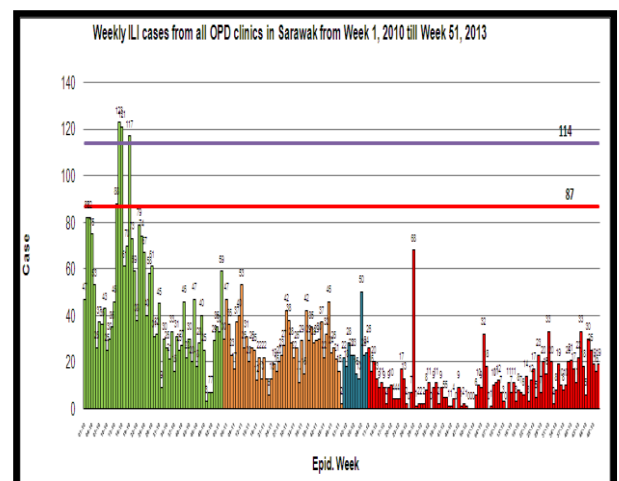
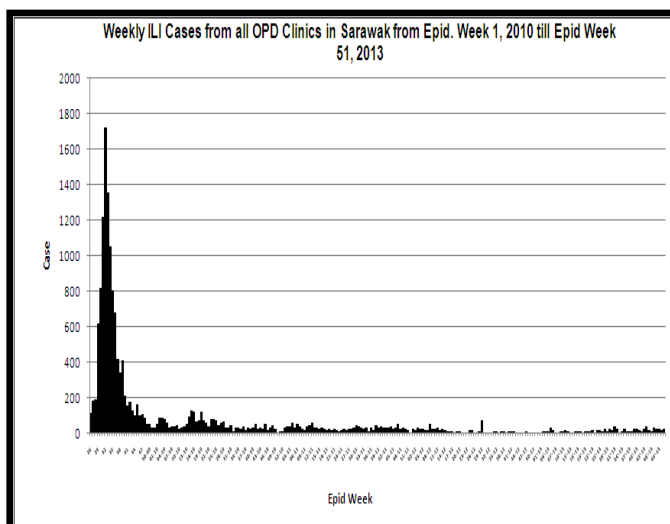


10.1.2 Outpatient Influenza-Like Illness (ILI) Surveillance from Epid.Week 1 in 2011 till Epid.Week 51,in 2013.



There were 19 ILI cases and 1 sARI case notified in week 50.

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).

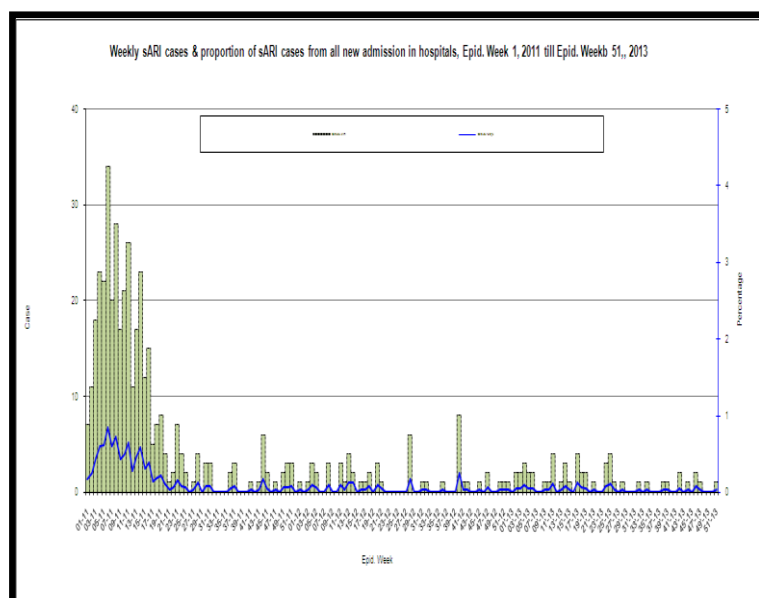


Referring to a letter dated 25 January 2011 from Office of the Deputy Director-General of Health (Public Health), Department of Public Health, Ministry of Health Malaysia about **PEMANTAUAN AKTIVITI A/H1N1pdm09 SECARA BERTERUSAN**, all PKB/PKD must send their daily H1N1 report as well as ILI and sARI 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 21th, December,2013.

No ILI cluster reported in week 51.No sARI case reported in week 51.

10.1.4. Severe Acute Respiratory (sARI) Infection Cases



sARI is suspected when:

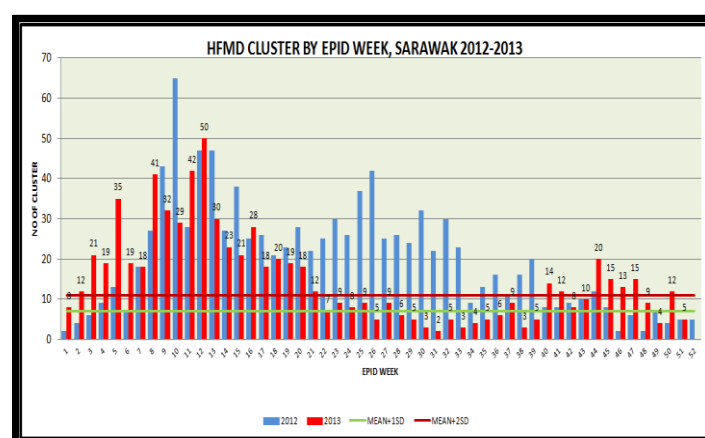
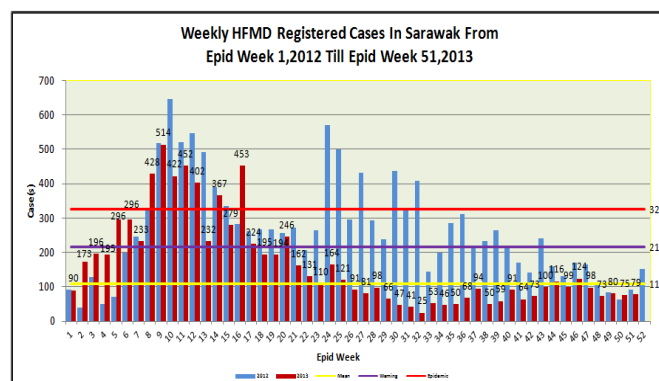
1. meets ILI case definition (sudden onset of fever > 38°C and cough or sore throat in the absence of other diagnosis, **AND**
2. shortness of breath or difficulty of breathing, **AND**
3. requires hospital admission (Disease Control Division, Ministry of Health, October 2009)

10.1.5. Weekly Summary Report on suspected H1N1in Government Hospitals in Sarawak as on 21thDecember, 2013.

Division	Hospital	New EW 51	Cumulative 2013	No. of Inpatient			No. of Patient on Ventilator	Throat swabs		
				ICU	ISO	Other wards		Positive	Pending	Negative
Kuching	SGH Kuching	0	53	0	0	0	0	0	0	0
	Bau	0	0	0	0	0	0	0	0	0
	Lundu	0	0	0	0	0	0	0	0	0
	RCBM	0	0	0	0	0	0	0	0	0
	Sentosa	0	0	0	0	0	0	0	0	0
Samarahan	Serian	0	0	0	0	0	0	0	0	0
	Simunjan	0	0	0	0	0	0	0	0	0
Sri Aman	Sri Aman	0	0	0	0	0	0	0	0	0
Betong	Betong	0	1	0	0	0	0	0	0	0
	Saratok	0	0	0	0	0	0	0	0	0
Sarikei	Sarikei	0	2	0	0	0	0	0	0	0
Sibu	Sibu	1	1	0	0	0	0	0	0	0
	Kanowit	0	0	0	0	0	0	0	0	0
Mukah	Mukah	0	0	0	0	0	0	0	0	0
	Dalat	0	0	0	0	0	0	0	0	0
	Daro	0	0	0	0	0	0	0	0	0
Kapit	Kapit	0	0	0	0	0	0	0	0	0
Bintulu	Bintulu	0	6	0	0	0	0	0	0	0
Miri	Miri	0	0	0	0	0	0	0	0	0
	Marudi	0	0	0	0	0	0	0	0	0
Limbang	Limbang	0	0	0	0	0	0	0	0	0
	Lawas	0	0	0	0	0	0	0	0	0
Total		1	63	0	0	0	0	0	0	0

10.2. Registered HFMD cases (based on e-Notifikasi) for Epid.Week 51, 2013 compared to Epid.Week 51,2012and cumulative cases untilEpid.Week 51,2013.

District / Division	2013		2012		Total
	EW 51	Cum.	EW 51	Cum.	
Lundu	0	136	2	258	258
Bau	0	164	4	394	396
Kuching	15	1542	47	3897	3917
KUCHING	15	1842	53	4549	4571
Samarahan	0	221	0	695	700
Asajaya	0	27	1	92	92
Simunjan	0	81	1	219	221
Serian	1	269	3	733	742
SAMARAHAN	1	598	5	1739	1755
Sri Aman	0	206	0	483	485
Lubok Antu	0	30	0	82	82
SRI AMAN	0	236	0	565	567
Betong	0	73	4	383	384
Saratok	4	173	6	276	279
BETONG	4	246	10	659	663
Sarikei	0	260	2	533	534
Meradong	1	112	0	197	206
Pakan	0	68	0	94	94
Julau	0	95	0	133	135
SARIKEI	1	535	2	957	969
Daro	0	96	0	132	132
Matu	0	39	0	87	87
Dalat	0	110	0	120	120
Mukah	1	154	0	162	162
MUKAH	1	399	0	501	501
Sibu	25	1234	9	930	934
Kanowit	3	113	0	47	47
Selangau	0	78	3	42	43
SIBU	28	1425	12	1019	1024
Song	0	48	0	62	62
Kapit	0	170	1	407	407
Belaga	0	102	0	127	127
KAPIT	0	320	1	596	596
Tatau	0	25	0	102	102
Bintulu	2	391	3	834	836
BINTULU	2	416	3	936	938
Miri	25	1909	2	1224	1233
Marudi	0	104	0	116	121
MIRI	25	2013	2	1340	1354
Limbang	1	331	5	452	453
Lawas	1	126	0	104	104
LIMBANG	2	457	5	556	557
SARAWAK	79	8487	93	13417	13495



EW = Epid. Week; Cum. = Cumulative figure

10.2.2.HFMD Clusters and closure

Cluster and Closure by Division

Divisions	Category of HFMD Clusters As of EW51,2013					
	Family	Child Care	Pre School	School	Total	Cum Closure
Kuching	140	3	14	1	158	4
Samarahan	46	1	1	0	48	2
Sri Aman	30	0	3	0	33	3
Betong	24	0	0	0	24	0
Sarikei	65	0	3	1	69	4
Mukah	22	0	3	0	25	0
Sibu	137	2	27	0	166	1
Kapit	11	0	0	1	12	0
Bintulu	17	0	0	0	17	0
Miri	131	0	4	0	135	0
Limbang	56	0	10	2	68	3
SARAWAK	679	6	65	5	755	17

10.3. Notified Leptospirosis cases for Epid. Week 51, 2013 compared to Epid. Week 51, 2012 and cumulative cases until Epid. Week 51, in 2013.

District / Division	Case classification				Total	Total					
	Confirmed		Probable			2013	2012		2011		
	EW (51) 2013	EW (51) 2012	EW (51) 2013	EW (51) 2012							
Lundu	0	0	1	0	1	7	(2)	4		6	
Bau	0	0	0	0	0	13	(2)	9	(2)	5	(1)
Kuching	0	0	0	1	0	53	(3)	76	(2)	40	(2)
KUCHING	0	0	1	1	1	73		87	(4)	51	(3)
Samarahan	0	0	0	2	0	10		12		3	
Asajaya	0	0	0	0	0	0		0		3	
Simunjan	0	0	0	0	0	3		4		8	(1)
Serian	0	0	0	0	1	8	(1)	4		10	(2)
SAMARAHAN	0	0	0	2	0	21		20		24	(3)
Sri Aman	0	0	0	0	0	21		14		14	(2)
Lubok Antu	0	0	0	0	0	14		15		11	
SRI AMAN	0	0	0	0	0	35		29		25	(2)
Betong	0	0	0	0	0	5	(1)	8		5	(1)
Saratok	0	0	1	0	1	8		4		6	(1)
BETONG	0	0	1	0	1	13		12		11	(2)
Sarikei	0	0	0	0	0	13		6	(1)	1	
Meradong	0	0	0	0	0	14		2		24	
Pakan	0	0	0	0	0	19	(1)	4	(1)	3	
Julau	0	0	1	0	1	5	(2)	1		0	
SARIKEI	0	0	1	0	1	51		13	(2)	28	
Daro	0	0	0	0	0	2		1	(1)	1	(1)
Matu	0	0	0	0	0	1		0		0	
Dalat	0	0	0	0	0	1		0		0	
Mukah	0	0	0	0	0	3	(1)	0		3	
MUKAH	0	0	0	0	0	7		1		4	(1)
Sibu	1	0	0	0	1	6	(1)	2		2	
Kanowit	0	0	0	0	0	7		6	(1)	4	
Selangau	1	0	0	0	1	3		2		3	
SIBU	2	0	0	0	2	16		10	(1)	9	
Song	0	0	0	0	0	3		1		1	
Kapit	0	0	0	0	0	7	(2)	50		12	
Belaga	0	0	0	0	0	17		4	(1)	7	(1)
KAPIT	0	0	0	0	0	27		55		20	(1)
Tatau	0	0	0	0	0	17		2		1	
Bintulu	0	0	2	1	2	54	(3)	7		10	(2)
BINTULU	0	0	2	1	2	71		9		11	(2)
Miri	0	0	0	0	0	61	(3)	10		16	(1)
Marudi	0	0	0	0	0	7	(1)	2		2	
MIRI	0	0	0	0	0	68		12		18	(1)
Limbang	0	0	0	0	0	11		21	(1)	2	(1)
Lawas	0	0	0	0	0	11		0		0	
LIMBANG	0	0	0	0	0	22		21	(1)	2	(1)
SARAWAK	2	0	5	4	7	404	(24)	271	(10)	203	(16)

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. 33/201

10.3.1 Locality of Leptospirosis Cluster in Sarawak until Epid. Week 51, 2013

No.	District	Locality	Number of Cases
1	Bintulu	Syarikat Hiap Seng Eng Sdn. Bhd.	2
2	Song	Kpg Mission, Song	2
3	Seratok	Rh Belayong, Ulu Roban, Seratok	3
4	Bintulu	Ladang Pekaka, Sime Darby Plantation	2
5	Tatau	Lana Oil Palm Plantation	2
6	Betong	Kpg Beladin	3

10.3.2 Summary of Leptospirosis death in Sarawak, as at Epid.week 51, 2013.

No	# District	Locality	Hospital	Age	Race	Gender	Date Of Death	Concurrent Medical Illness	Occupation	Case classification	Status in E-Notification
1	Serian	Kpg Darul Fallah, Tebedu	SGH	37	Bidayuh	Female	01.01.2013	Acute renal failure secondary to thrombotic thrombocytopenia purpura	Housewife/Farmer	Probable	DAFTAR KES
2	Miri	Long Miri, Ulu Baram	Miri	34	Kenyah	Male	09.01.2013	Severe sepsis with multiorgan failure secondary to leptospirosis	Welder	Confirmed	DAFTAR KES
3	Kapit	Rh Iju, Nanga Pulang, Balleh	Sibu	16	Iban	Male	16.01.2013	Septic shock, multiorgan failure which include respiratory failure (ARDS), liver impairment, acute kidney injury and DIVC	Student	Confirmed	DAFTAR KES
4	Bintulu	Muzako Tanjong Kindurong	Bintulu	31	Iban	Female	18.01.2013	Multiorgan failure secondary to dengue shock syndrome	Labourer	Probable	DAFTAR KES
5	Miri	Kpg Dagang, Bekenu	Miri	55	Kedayan	Female	06.02.2013	Meningoencephalitis, associated multiorgan failure	Housewife	Confirmed	DAFTAR KES
6	Mukah	Ladang Setuan Sdn. Bhd	Sibu	40	Indonesian	Male	16.02.2013	Acute kidney injury	Labourer	Confirmed	DAFTAR KES
7	Pakan	Rh Umar, Lempa Antu	Sarikei	50	Iban	Male	04.03.2013	Staphylococcal septicaemia with false-positive leptospirosis screening test, complicated by hemorrhoidal haemorrhage in a patient on chronic hemodialysis/Uncontrolled blood loss. The death is not due to leptospirosis.	Not working	Probable	DAFTAR KES
8	Sibu	Lorong Permai Timur 19	Sibu	12	Malay	Male	29-03-2013	Hepatorenal failure	Student	Confirmed	DAFTAR KES
9	Bau	Kpg Sagah, Jln Sg Tengah Matang	SGH	73	Bidayuh	Male	18.04.2013	Cardiac arrest	Not working	Probable	DAFTAR KES
10	Lundu	Kpg Judin, Sematan	SGH	15	Bidayuh	Female	26.04.2013	Multiorgan failure acute	Student	Probable	DAFTAR KES
11	Pakan	Rh Nyambar Ulu Kuta	Sarikei	54	Iban	Female	17.06.2013	Severe sepsis with multiorgan failure	Support Staff	Probable	DAFTAR KES
12	Kuching	Jln Chong Kiun Kong, Kenyalang Park	SGH	47	Malay	Male	27.06.2013	Sepsis multiorgan failure	Engineer	Probable	DAFTAR KES
13	Bintulu	Timor Enterprises Sdn Bhd	Bintulu	31	Indonesian	Female	28.06.2013	Septic shock, leptospirosis with pulmonary haemorrhage associated with multiple organ damage/ TRO Melioidosis	Farmer	Probable	DAFTAR KES
14	Bintulu	Sime Darby Plantation Sdn Bhd	Bintulu	41	Indonesian	Male	09.07.2013	Septic shock due to multiorgan failure	Laborer	Confirmed	DAFTAR KES
15	Marudi	Kpg Narum, Marudi	Miri	44	Malay	Male	26.07.2013	Acute respiratory distress syndrome and acute renal failure	Security Guard	Probable	DAFTAR KES
16	Miri	Jln Tanjung Batu, Pujut Padang Kerbau	Miri	45	Malay	Male	26.07.2013	Severe sepsis with multiorgan failure	Self employed	Probable	DAFTAR KES
17	Betong	Sambas, Indonesia/ Ladang Dable Densty, Lidong	Betong	15	Indonesian	Female	30.08.2013	Dengue shock syndrome	Not working	Confirmed	DAFTAR KES
18	Lundu	Kpg Tabuan Dayak	SGH	32	Chinese	Male	04.09.2013	Sepsis with multiorgan failure	Not working	Probable	DAFTAR KES
19	Kapit	Rh Bina, Nanga Yong	Miri	76	Iban	Female	08.06.2013	Cardiogenic shock, thyroid storm TRO Leptospirosis	Not working	Confirmed	DAFTAR KES
20	Kuching	Kpg Gita Tengah, Petra Jaya	SGH	36	Malay	Male	01.07.2013	Sepsis multiorgan failure	Site supervisor	Confirmed	DAFTAR KES
21	Kuching	Kpg Garung, KM38, Penrissen	SGH	15	Bidayuh	Female	-	Unknown	Student	Probable	DAFTAR KES
22	Bau	Kpg Daun Singai	SGH	74	Bidayuh	Male	15.10.2013	Severe Leptospirosis with pulmonary haemorrhage due to acute kidney injury	Farmer	Probable	DAFTAR KES
23	Miri	Rh. Empading, Sg. Bakas, Sibuti	Miri	61	Iban	Female	29.10.2013	Severe Metabolic Acidosis	Not working	Probable	DAFTAR KES
24	Julau	Rh Usop	Sarikei	66	Iban	Male	14.12.2013	Severe Metabolic Acidosis due to severe Leptospirosis	Farmer	Probable	DAFTAR KES

10.4. Notified Melioidosis cases for Epid. Week51, 2013 compared to Epid. Week 51,2012 and cumulative cases untilEpid.Week 51,2013

District / Division	Case classification				Total EW (51) 2013	Total				
	Confirmed		Probable			2013	2012	2011		
	EW (51) 2013	EW (51) 2012	EW (51) 2013	EW (51) 2012						
Lundu	0	0	0	0	0	0		0		0
Bau	0	0	0	0	0	0		1		1
Kuching	0	0	0	0	0	0		3		4
KUCHING	0	0	0	0	0	0		4		5
Samarahan	0	0	0	0	0	0		1		0
Asajaya	0	0	0	0	0	0		0		0
Simunjan	0	0	0	0	0	0		0		0
Serian	0	0	0	0	0	0		0		2 (1)
SAMARAHAN	0	0	0	0	0	0		1		2
Sri Aman	0	0	0	0	0	0		0		3
Lubok Antu	0	0	0	0	0	0		1		1
SRI AMAN	0	0	0	0	0	0		1		4
Betong	0	0	0	0	0	0		0		0
Saratok	0	0	0	0	0	0		0		0
BETONG	0	0	0	0	0	0		0		0
Sarikei	0	0	0	0	0	0		0		0
Meradong	0	0	0	0	0	0		0		0
Pakan	0	0	0	0	0	0		1		0
Julau	0	0	0	0	0	0		0		0
SARIKEI	0	0	0	0	0	0		1		0
Daro	0	0	0	0	0	1		0		0
Matu	0	0	0	0	0	0		0		0
Dalat	0	0	0	0	0	0		1		0
Mukah	0	0	0	0	0	2		1		2
MUKAH	0	0	0	0	0	3		2		2
Sibu	0	0	0	0	0	2		0		1
Kanowit	0	0	0	0	0	4		0		1
Selangau	0	0	0	0	0	2 (1)		1 (1)		4
SIBU	0	0	0	0	0	8		1		6
Song	0	0	0	0	0	0		0		1
Kapit	0	0	0	0	0	7 (2)		28		62 (3)
Belaga	0	0	0	0	0	4 (3)		0		21 (4)
KAPIT	0	0	0	0	0	11		28		84 (7)
Tatau	0	0	0	0	0	3 (2)		0		4 (1)
Bintulu	0	0	0	0	0	21 (5)		0		6
BINTULU	0	0	0	0	0	24		0		10 (1)
Miri	0	0	0	0	0	9		2		7 (2)
Marudi	0	0	0	0	0	0		0		1
MIRI	0	0	0	0	0	9		2		8 (2)
Limbang	0	0	0	0	0	0		0		0
Lawas	0	0	0	0	0	2		0		0
LIMBANG	0	0	0	0	0	2		0		0
SARAWAK	0	0	0	0	0	57 (13)		40 (1)		121 (11)

Note: () Death; EW = Epid. Week

District indicates source of infection

10.4.1 Melioidosis Death case (Positive) up to week 51, 2013

No	# District	Locality	® Hospital	Age	Race	Gender	Date Of Death	Concurrent Medical Illness	Occupation	Case Classification
1	Selangau	Rh Anthony, Pakoh	Sibu	10	Iban	Female	17.01.2013	Melioidosis with severe septicaemia shock and pneumonia	Student	Confirmed
2	Bintulu	2634, Kpg Assyakirin	Bintulu	53	Malay	Female	11.02.2013	Septic shock due to severe melioidosis, myocarditis and acute kidney injury	Housewife	Probable
3	Bintulu	Segarmas Plantation S/B	Bintulu	29	Indonesian	Male	28.05.2013	Septic shock due severe pneumonia complicated with respiratory failure	Labourer	Probable
4	Bintulu	No 133 A, Kpg Jepak	Bintulu	45	Melanau	Male	01.06.2013	Septic shock secondary to urosepsis associated with acute renal failure	Not working	Confirmed
5	Kapit	Bakun Dam	Bintulu	50	Philippines	Male	06.06.2013	Severe septicaemia with multi organ failure	Worker at Bakun	Confirmed
6	Belaga	Uma Baluy Laguai, Naha Jaley	Bintulu	18	Kayan	Female	10.06.2013	Melioidosis with septic shock complicated with ARDS, DVC and multi organ failure	Housewife	Confirmed
7	Belaga	Quarters of Lumut Camp, Sg Asap	Bintulu	28	Indonesian	Male	12.06.2013	Septic shock due to severe melioidosis due to myocarditis and acute kidney failure	Lorry driver (Block stone)	Confirmed
8	Kapit	Quarters of Putai Camp	Sibu	56	Malay	Male	07.11.2013	Septic shock with acute kidney failure	Supervisor	Confirmed
9	Belaga	Rh Kejaman Lasah	Bintulu	73	Kayan	Male	13.03.2013	Septic shock due to Melioidosis	Not working	Confirmed
10	Tatau	Rh Gerunain, Nanga Tekalit	Bintulu	65	Bidayuh	Male	13.02.2013	Septic shock due to severe pneumonia underlying DM & HPT	Farmer	Confirmed
11	Bintulu	Quarters of Chiyoda Sarawak Sdn Bhd, Samalaju Industrial Park	Bintulu	49	Thailand	Male	28.08.2013	Sepsis multiorgan failure	Labourer	Confirmed
12	Bintulu	No. 21, Putrajaya, Jln Tun Hussein Onn	Bintulu	57	Chinese	Male		Data Not Available		Confirmed
13	Tatau	Rh Geronson, Tekalit	Bintulu		Iban	Male		Data not available		Confirmed

* SGH = Sarawak General Hospital

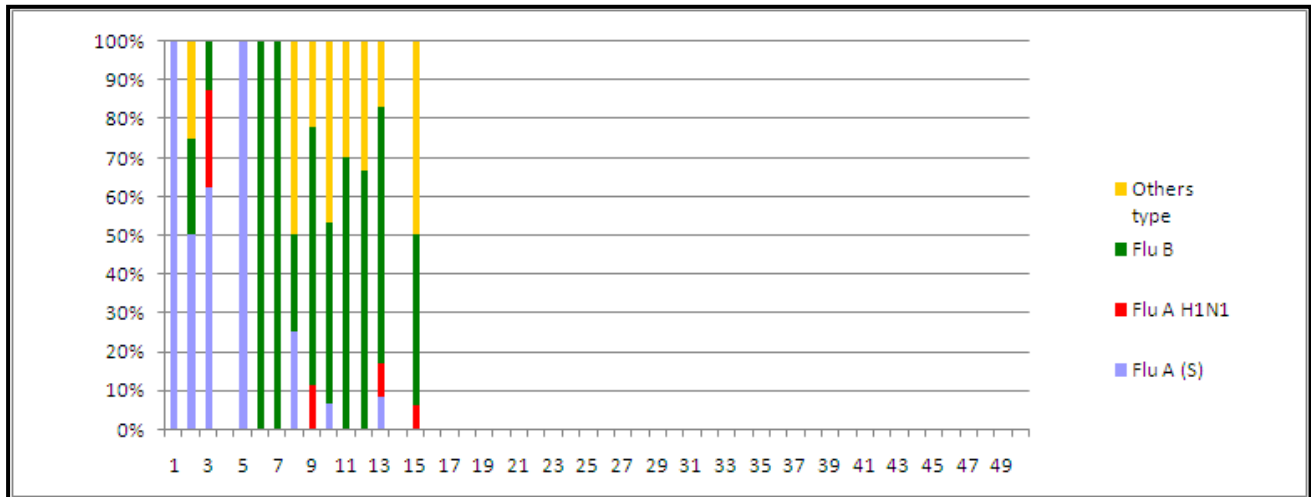
Note

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

® Hospital indicate facility where patient admitted

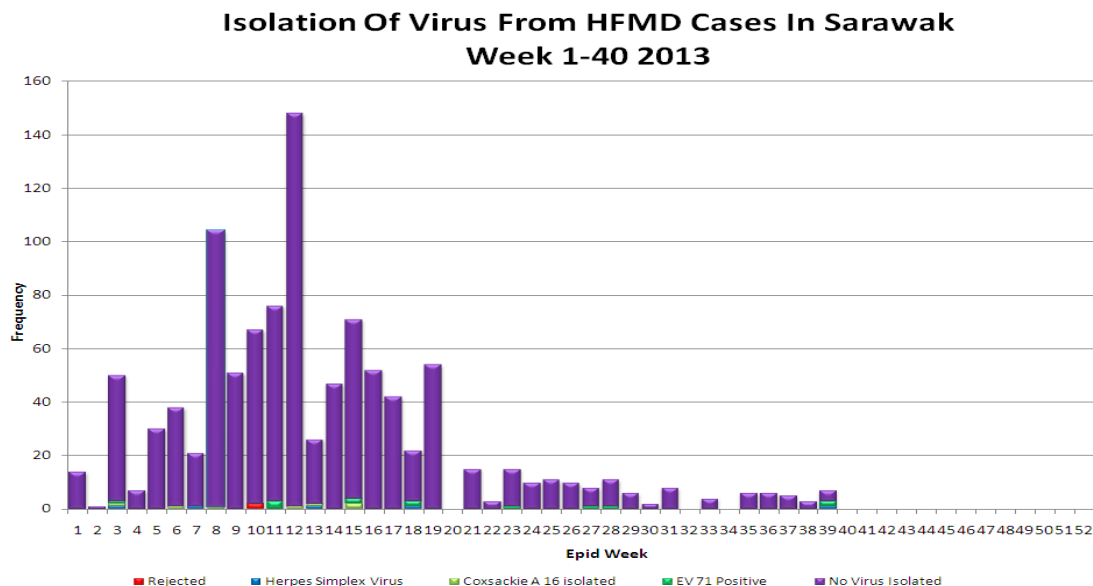
11. LABORATORY BASED SURVEILLANCE

11.1. Malaysia Influenza Surveillance System (MISS) (not included Sabah*) from Epid Week 1 till Epid Week 15, 2013.

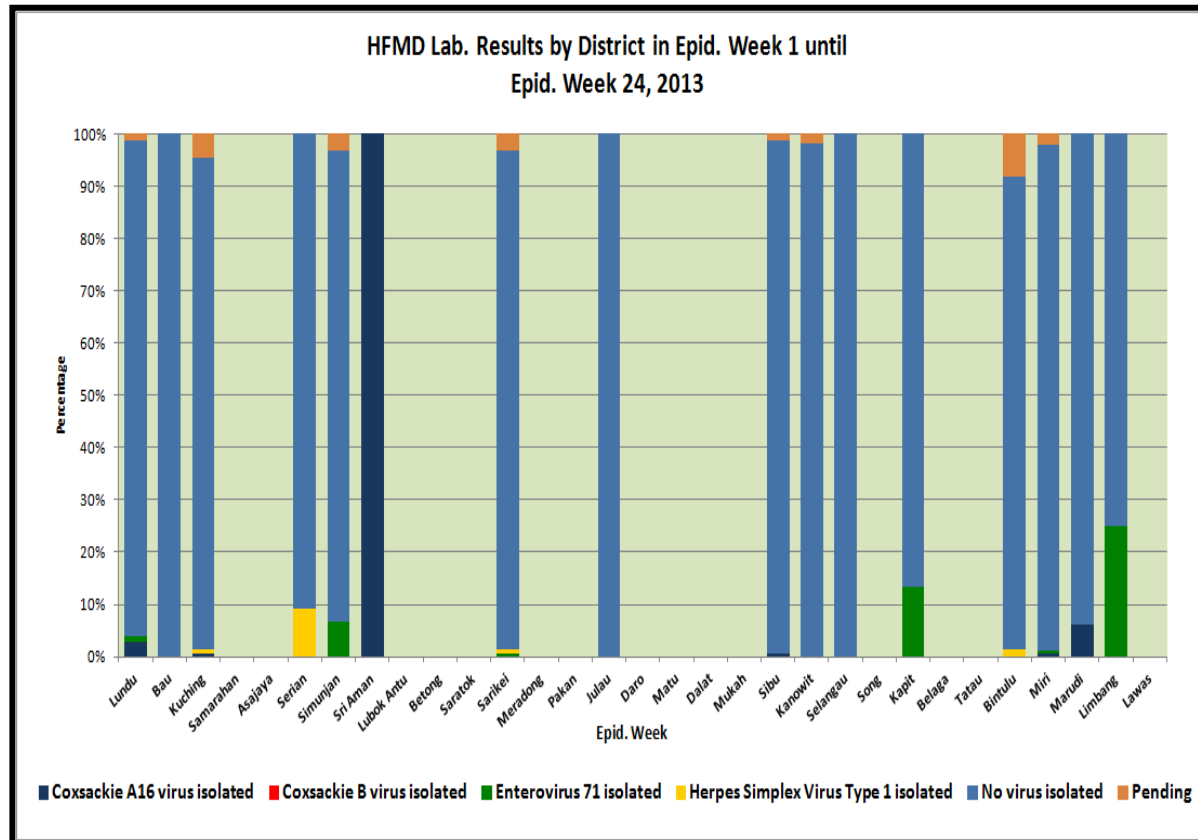


* specimen from Sabah were analysed at MKAK Kota Kinabalu, Sabah.

11.3. Laboratory Based Surveillance HFMD, EW 1- EW 40, 2013



As of 26th January, 2013, 2816 HFMD samples sent to MKAK SgBuloh. 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 31st July 2013)

No	Name/Designation	Office Address	E-mail Address	Tel./Fax/Handphone No.
1	Ketua Penolong Pengarah Kanan Dr. Sarina Shuib	Seksyen Kawalan Penyakit Berjangkit Jabatan Kesihatan Negeri Sarawak	drsarinauzir@yahoo.com	Tel : 082-473200/277 Fax : 082-443098 Hp : 012-8081303
2	Ketua Penolong Pengarah Dr Julaidah Sharip	Seksyen Kawalan Penyakit Berjangkit Jabatan Kesihatan Negeri Sarawak	julaidahs@srwk.moh.gov.my	Tel : 082-473200/276 Fax : 082-443098 Hp : 010-3660869
3	Pegawai Kesihatan Bahagian Kuching Dr. Kamarudin Lajim	Pejabat Kesihatan Bahagian Kuching, Jalan Tun Ahmad Zaidi Aduce, 93250 Kuching	dhoshan@yahoo.com.sg	Tel : 082-238635/257867 Fax : 082-414542/250037 Hp : 013-8014332
4	Pegawai Kesihatan Bahagian Samarahan Dr Ho Ai Chia	Pejabat Kesihatan Bahagian Kuching, Jalan Tun Ahmad Zaidi Aduce, 93250 Kuching		Tel : 082-238635/257867 Fax : 082-414542/250037 Hp : 019-8890298
5	Pegawai Kesihatan Samarahan Dr Fatimah Oh Abdullah	Pejabat Kesihatan Bahagian Samarahan Jalan Datuk Muhammad Musa, 94300 Kota Samarahan	drfatimah@gmail.com	Tel:082-673626 Fax:082-673632 Hp: 010-9825437 / 012-8585447
	Pegawai Epidemiologi Bahagian Samarahan Dr. Sharifah Norashikin	Pejabat Kesihatan Bahagian Samarahan Jalan Datuk Muhammad Musa, 94300 Kota Samarahan		Tel:082-673626 Fax: 082-673632 Hp: 012-2110315
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 Shahril Bin Abdullah	Pejabat Kesihatan Bahagian Kapit Tingkat 3, Wisma Persekutuan, 96800 Kapit		Tel : 084-796404 Fax : 084-332502 Hp : 013-8155183
11	Pegawai Kesihatan Bahagian Mukah Dr. Hj. Osman Hj. Rafeie	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 Kesihatan Bahagian Bintulu Dr.Azlee Bin Ayub	Pejabat Kesihatan Bahagian Bintulu Jalan Tun Ahmad Zaidi Aduce, 97000 Bintulu	azlee@srwk.moh.gov.my	Tel : 086-317269 Fax : 086-312354 Hp : 016-8625257
13	Pegawai Kesihatan Bahagian Miri Dr. Faizul Mansoor	Pejabat Kesihatan Bahagian Miri Jalan Temenggong Oyong Lawai Jau, 98000 Miri	bmfaizul@srwk.moh.gov.my	Tel : 085-424722 Fax : 085-429987 Hp : 013-8335504
14	Pegawai Epidemiologi Bahagian Miri Dr. Veronica Lughah	Pejabat Kesihatan Bahagian Miri Jalan Temenggong Oyong Lawai Jau, 98000 Miri	verolughah@yahoo.com	Tel : 085-424722 Fax : 085-429987 Hp : 019-6061847
15	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

EDITORIAL & PRODUCTION BOARD

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 Sarina Shuib, Epidemiology Unit, CDC
Dr Julaidah Sharip, Surveillance Unit, CDC

EDITORS & CONTRIBUTORS:

Mr Abdul Kadir Mohd. Anis
Mr Davidson ClinnTayus
Mdm Carolina Victor
Ms Hawa Nabila Binti Hip
Mr Mike Jesussen Ak Bolian
Ms Fivy Zailina
Ms Tang Wan Yung
Ms Agnes Centers
VBDC Section
STD/AIDS Section
TBCP/LCP Section

CORRESPONDENCE:

COMMUNICABLE DISEASE CONTROL SECTION,
Sarawak Health Department,
Jalan Diplomatik, Off JalanBako
93050 Kuching,
Sarawak
Phone: 082-443248/441780
Fax: 082-443098
Email: opsroom_jkns@srwk.moh.gov.my OR
cdcjkns@gmail.com



SARAWAK
State Health Department

Note:

1. The data may be subject to change. Any enquiries please call Surveillance Unit, CDC Section, Sarawak Health Department.
2. Prepared by Surveillance Unit, Communicable Disease Control Section, Sarawak Health Department.
3. Any comments or new ideas on Sarawak Weekly Epid. News are greatly appreciated.

