



SARAWAK

WEEKLY EPID NEWS

Sarawak Health Department

WEEK 27

3rd – 9th JULY 2011

INFECTIOUS DISEASE/CRISIS HIGHLIGHTS IN SARAWAK

Air Pollution Index (API) monitoring started on 09th July, 2011.

The Department of Environment's Air Pollution Index revealed the air quality in 8 out of 10 monitoring stations in the state were classified as moderate when measured at 7am today (12th July 2011).

There are five levels of classification – good, moderate, unhealthy, very unhealthy and hazardous. A particulate matter (PM-10) reading of 51-100 is classified as moderate.

Although the air quality had not reached hazardous level, Sarawak State Health Department advised those with respiratory illness to remain indoors. We are currently liaising with the NREB and DOE for further updates about the haze situation.

Source: www.doe.gov.my

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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	Marudi	Melinau Tengah (Batu Bungan)	3	06.07.2011
2	Malaria	Belaga	Long Malim	2	06.07.2011

Only two outbreaks were reported in Epid. Week 27, 2011 to Sarawak Health Department.

3. MANDATORY NOTIFIABLE DISEASES REPORTED IN EPID. WEEK 27, 2011

District	***HIV/AIDS	Acute Poliomyelitis	Chancroid	Cholera	Diphtheria	*Dengue/DHF	Dysentery	Ebola	Food Poisoning	***Gonorrhoea	Hand, Foot & Mouth	**Leprosy	*Malaria	Whooping Cough	Measles	Plague	Rabies	Relapsing Fever	***Syphilis	Tetanus	**Tuberculosis (All forms)	Typhoid & Paratyphoid Fever	Typhus, Scrub	Viral Hepatitis	Viral Encephalitis	Yellow Fever	Leptospirosis
Lundu						2															2						
Bau										1			1								2						
Kuching	1/0					2				1	9				1				3		35						1
Samarahan										1	3										2						
Asajaya											1										3						
Simunjan										1	1										6						
Serian																					3						
Sri Aman																					2						
L/ Antu											2		1								6						1
Betong																					8						
Saratok						1															3						
Sarikei																					7						
Meradong						1					1										2						1
Pakan/Julau						1							2								4						
Daro																					1						
Matu																											
Dalat													1								1						
Mukah											1										2						
Sibu																					11						
Kanowit													2								1						1
Selangau																					6						
Song																											
Kapit													6								1						
Belaga													2								5						
Tatau						1							2								4						
Bintulu						1					2										17						
Miri						3					2										23						
Marudi						3							15								8						
Limbang	1/0																				7						
Lawas													1								1						
TOTAL (Week 27)	2/0	0	0	0	0	15	0	0	0	4	22	0	33	0	1	0	0	0	3	0	173	0	0	0	0	0	4
Total (2011)	64/31	0	0	252	0	552	7	0	690	233	882	8	932	13	53	0	0	0	77	1	972	4	0	48	9	0	35
Total (2010)	136/111	0	0	0	0	4240	62	0	1299	437	4987	23	2802	10	132	0	0	0	230	1	1698	27	0	35	52	0	49
Total (2009)	143/89	0	1	0	0	4564	82	0	1223	438	9655	15	2158	4	56	0	0	0	339	0	1689	24	1	169	10	0	0

* Dengue and malaria: notification from Vector Section (VEKPRO).

** TB & leprosy: notification from TB/Leprosy Control Section. Figures are on monthly basis.

*** HIV/AIDS, gonorrhoea, syphilis, and Hepatitis B: notification from STI/AIDS Section HFMD notification is based on masterlist.

Leptospirosis was gazetted as a notifiable disease on 9th December 2010.

3.1. Surveillance Report on Mandatory Notifiable Diseases.

Vector borne diseases and Re-emerging infectious will be discussed in their respective chapter.

3.1.1. HIV/AIDS.

Two new cases of HIV reported in Epid. Week 27, 2011. From a total of 64 cases of HIV cases, all are adult and out of these 44 cases (68.75%) are cases among male and 20 (31.25%) are female.

3.1.2. Cholera

No new case in Epid. Week 27, 2011. A total of 252 cases were from Limbang with involved three outbreak localities in March 2011. Finger printing study showed the organism to be local origin.

3.1.3. Dysentery.

A total of seven cases of dysentery reported but only one case confirmed of *E. histolytica* from Simunjan District. The others are all negative.

3.1.4. Food Poisoning.

A total 690 cases involved from 27 outbreaks. 17 outbreaks happened in schools.

3.1.5. Gonorrhoea.

Four new cases reported in Epid. Week 27. One each from Bau, Kuching and Simunjan district. From a total 233 cases reported. All cases are adults and out of all cases, only one case of Gonococcal Neonatorum reported.

3.1.6. Leprosy.

A total 10 cases reported, one case was foreigner and nine were among the locals. All the cases were detected through active case detection (ACD).

3.1.7. Whooping Cough.

From 25 suspected whooping cough cases, four cases were confirmed by culture (SGH Kuching=3, Miri=1). And one case confirmed by PCR from Sibu hospital.

3.1.8. Measles.

One new case reported in Epid. Week 27, 2011. Patient is a seven months old Chinese girl from Santubong with no history of contact. Serology result is still pending. From 53 suspected cases, only one case was confirmed by positive IgM measles.

3.1.9. Syphilis.

Three new cases reported in Epid. Week 27, 2011. All cases were from Kuching District. From a total of 77 syphilis cases reported, 73 (94.81%) cases are adult and only four cases (5.19%) are among children. Out of these, 38 (49.35%) cases are among male and 39 (50.65%) are among female.

3.1.10. Tetanus.

Only one case reported. Patient is a 77 years old Chinese man from Kuching district.

3.1.11. Tuberculosis (all forms).

There are 173 cases confirmed in Jun, bringing a cumulative total of 972 cases reported in 2011 compared to 1689 total cases reported in year 2010.

3.1.12. Typhoid and paratyphoid fever.

A total of four confirmed cases reported from stool culture and sensitivity.

3.1.13. Viral Hepatitis.

A total 48 viral hepatitis reported. 30 are Hepatitis B (7 are acute and 23 are chronic), 18 are Hepatitis C (one acute and 17 chronic). No case of Hepatitis A reported.

3.1.14. Viral Encephalitis.

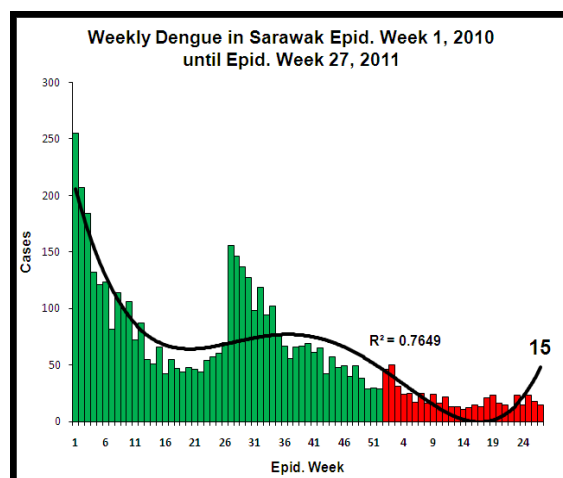
Nine cases reported. Two cases of confirmed Japanese Encephalitis and seven are other viruses.

4. VECTOR BORNE DISEASES: DENGUE, MALARIA AND CHIKUNGUNYA

4.1. Notified Dengue cases for Epid. Week 27, 2011 as compared to Epid. Week 27, 2010 and cumulative cases till Epid. Week 27 in 2010.

District	2011		2010		
	EW 27	Cum.	EW 27	Cum.	Total
Lundu	2	7	2	31	69
Bau	0	18	4	67	123
Kuching	2	63	2	295	473
Samarahan	0	12	1	70	97
Asajaya	0	4	1	7	10
Serian	0	8	1	107	140
Simunjan	0	8	1	37	47
Sri Aman	0	27	3	57	96
Lubok Antu	0	14	0	19	53
Betong	0	9	0	16	30
Saratok	1	4	0	17	20
Sarikei	0	12	0	59	91
Meradong	1	10	1	40	53
Pakan	1	9	0	18	30
Julau	0	9	1	11	20
Daro	0	6	1	43	95
Matu	0	1	5	10	25
Dalat	0	2	0	6	14
Mukah	0	4	0	17	39
Sibu	0	50	82	536	1021
Kanowit	0	17	3	30	64
Selangau	0	6	1	6	32
Song	0	8	0	8	16
Kapit	0	20	6	105	158
Belaga	0	15	0	18	39
Tatau	1	25	1	19	40
Bintulu	1	70	10	107	237
Miri	3	64	23	550	816
Marudi	3	34	5	81	126
Limbang	0	12	1	74	131
Lawas	0	4	1	17	35
Sarawak	15	552	156	2478	4240

EW = Epid. Week



A total of 15 dengue cases were reported for Epid. Week 27 (10th July 2011) as compared to 156 cases during the same period in 2010.

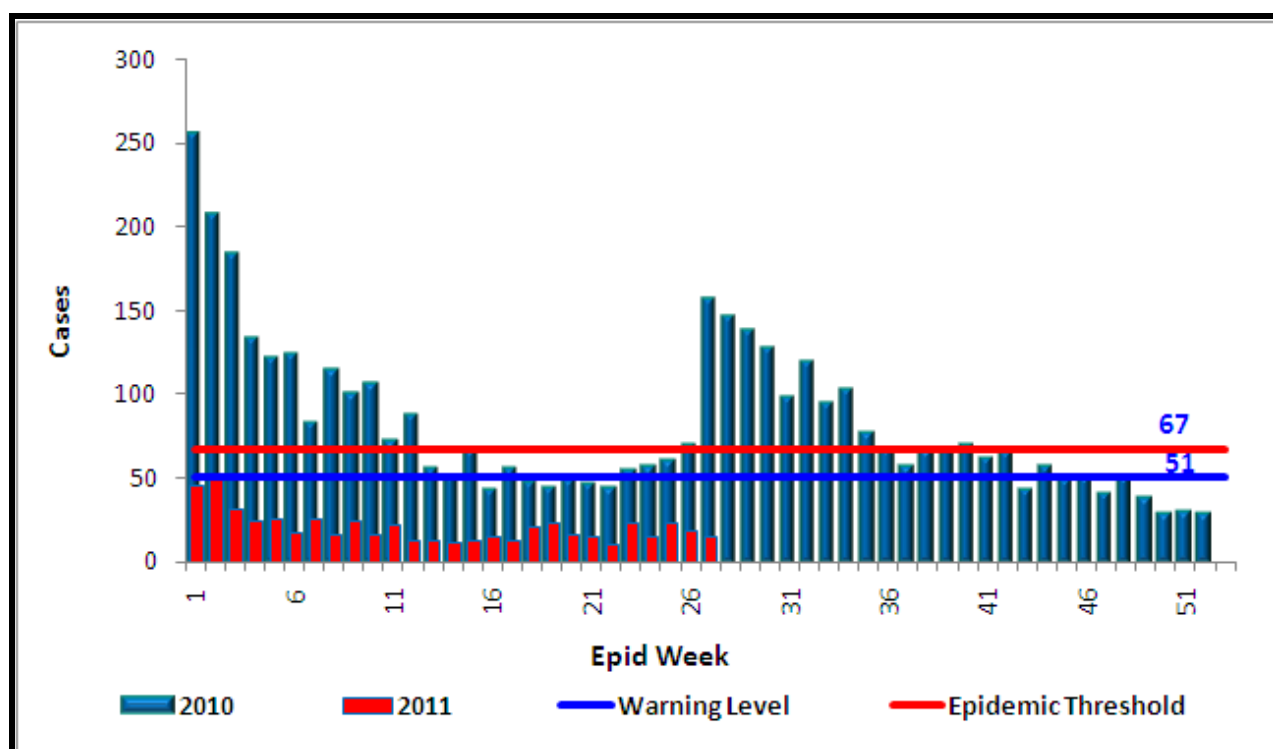
There is a decrease of three cases from the previous Epid. Week (Epid. Week 26, 2011).

TWO outbreak localities are still active, one each in Marudi and Samarahan. No uncontrolled outbreak is reported.

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

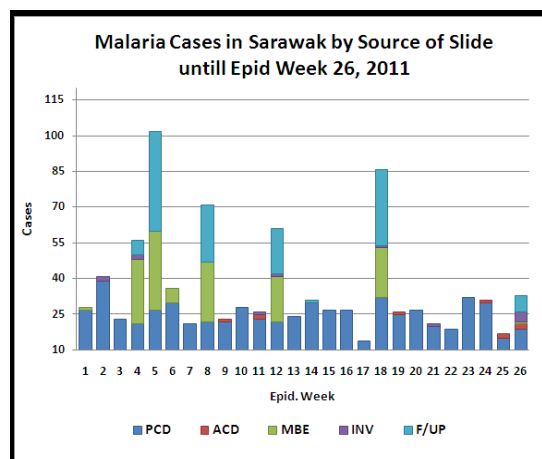
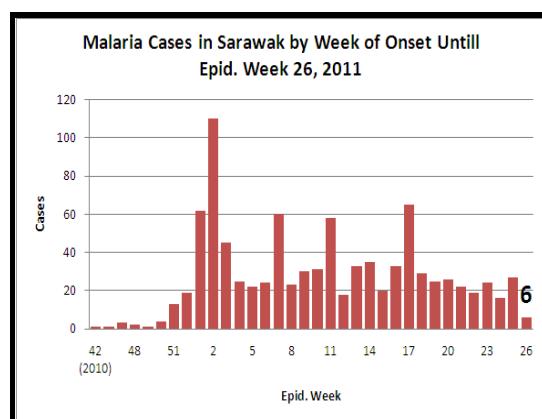
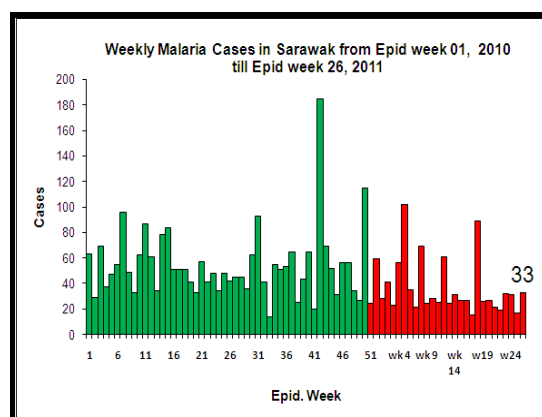
1. Bintulu
2. Miri
3. Kuching
4. Sibu
5. Marudi

4.1.1 Weekly Dengue Cases Showing Warning and Epidemic Level in 2011 as compared to 2010.



4.2. Notified Malaria cases for Epid. Week 26, 2011 compared to Epid. Week 26, 2010 and cumulative cases till Epid. Week 26 in 2011.

District	2011		2010		Total
	EW 26	Cum.	EW 26	Cum.	
Lundu	0	22	0	53	72
Bau	1	3	0	8	9
Kuching	0	12	1	15	27
Samarahan	0	1	0	0	2
Asajaya	0	0	0	0	0
Simunjan	0	2	0	14	17
Serian	0	13	0	43	58
Sri Aman	0	7	0	13	25
Lubok Antu	1	11	0	12	16
Betong	0	15	0	7	15
Saratok	0	1	0	3	4
Sarikei	0	12	0	3	8
Meradong	0	5	0	1	3
Pakan	1	9	0	7	14
Julau	1	32	0	17	34
Daro	0	1	0	0	1
Matu	0	0	0	0	1
Dalat	1	5	0	10	14
Mukah	0	2	0	3	6
Sibu	0	20	2	25	43
Kanowit	2	46	2	32	65
Selangau	0	6	0	4	9
Song	0	29	0	20	46
Kapit	6	110	2	59	134
Belaga	2	67	3	209	300
Tatau	2	16	0	7	12
Bintulu	0	22	1	13	39
Miri	0	19	0	12	32
Marudi	15	414	29	749	1734
Limbang	0	9	2	23	29
Lawas	1	21	0	19	33
Sarawak	33	932	42	1381	2802



A total of 33 cases were reported on Epid. Week 26, 2011. Cumulative cases till Epid. Week 26 were 932 cases. Of the 932 cases, 414 cases (44%) from Marudi District, 110 cases (12%) from Kapit District and 67 cases (7%) from Belaga District.

Notes: 1) EW = Epid. Week; 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)

Cases detected by slide source were:

Slides source	Epid. Week 26	Epid. Week 1 – Epid. Week 26
Passive Case Detection (PCD)	19	645
Active Case Detection (ACD)	2	8
Investigation slides (INV)	4	16
Mass Blood Survey (MBS)	1	131
Follow-up	7	132
Total	33	932

Cases Reported by PCD Units

Slides source	Epid. Week 26
Kapit Hospital	5
Sibu Hospital	4
Bintulu Hospital	3
Dalat hospital	2
KK Sungai Asap	2
KK Sarikei	2
Other PCD unit reported 1 case respectively	

Cases by species:

Species	Epid. Week 26	Epid. Week 1 – Epid. Week 26
<i>Plasmodium vivax</i>	18	566
<i>Plasmodium falciparum</i>	0	45
<i>Plasmodium malariae</i> [#]	9	197
<i>Plasmodium knowlesi</i>	6	120
<i>Plasmodium ovale</i>	0	0
Mixed infection	0	4
Total	33	932

Notes: # May include *Plasmodium knowlesi*

Cases classification:

Classification	Epid. Week 26	Epid. Week 1 – Epid. Week 26
Indigenous	28	720
Imported A*	5	108
Relapsed	0	103
Congenital	0	1
Total	33	932

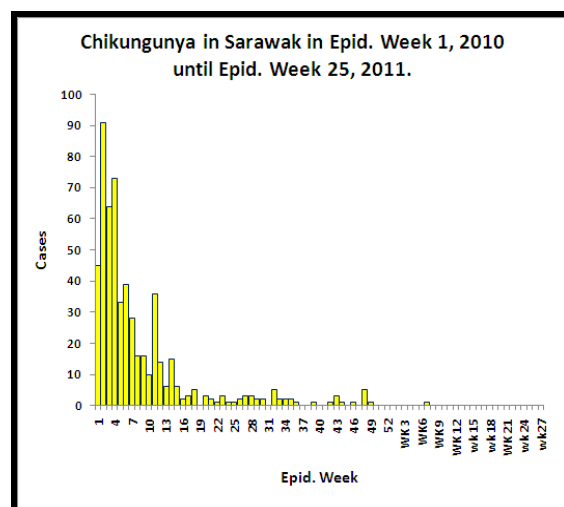
***Imported A cases:**

District reported	Place of Infection	Case	Species
Bau	Kpg Jagoi, Babang, Kalimantan Barat, Indonesia	1	<i>P. vivax</i>
Dalat	Papua New Guinea	1	<i>P. vivax</i>
Kapit	Papua New Guinea	2	<i>P. malariae</i>
Lubok Antu	Lanjak, Kalimantan, Indonesia.	1	<i>P. vivax</i>

4.3. Notified Chikungunya cases for Epid. Week 27, 2011 compared to Epid. Week 27, 2010 and cumulative cases till Epid. Week 27 in 2010.

District	2011		2010		
	EW 27	Cum.	EW 27	Cum.	Total
Lundu	0	0	0	1	1
Bau	0	0	0	9	13
Kuching	0	0	0	68	72
Samarahan	0	0	0	2	3
Asajaya	0	0	0	1	1
Serian	0	0	0	15	15
Simunjan	0	0	0	17	17
Sri Aman	0	0	0	26	26
Lubok Antu	0	0	0	16	16
Betong	0	1	0	11	13
Saratok	0	0	0	8	8
Sarikei	0	0	0	6	7
Meradong	0	0	0	23	25
Pakan	0	0	0	9	10
Julau	0	0	0	22	22
Daro	0	0	0	19	21
Matu	0	0	0	0	0
Dalat	0	0	0	9	9
Mukah	0	0	0	11	12
Sibu	0	0	0	45	45
Kanowit	0	0	0	1	1
Selangau	0	0	0	0	0
Song	0	0	0	5	5
Kapit	0	0	3	59	67
Belaga	0	0	0	76	78
Tatau	0	0	0	6	6
Bintulu	0	0	0	41	44
Miri	0	0	0	12	13
Marudi	0	0	0	0	0
Limbang	0	0	0	0	0
Lawas	0	0	0	0	0
Sarawak	0	1	3	518	550

EW = Epid Week



No case of Chikungunya was reported in Epid. Week 27, 2011. During the same period in 2010, three cases were reported. The cumulative case of Chikungunya for 2011 remained one.

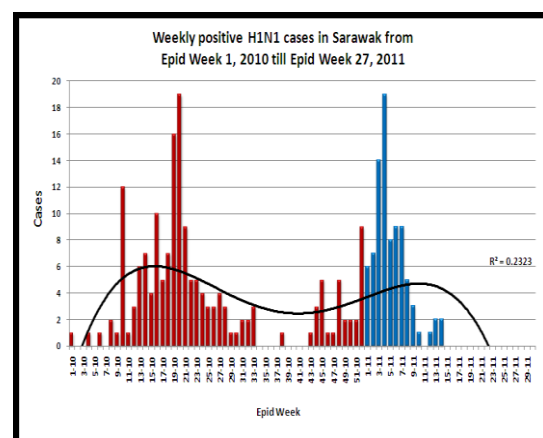
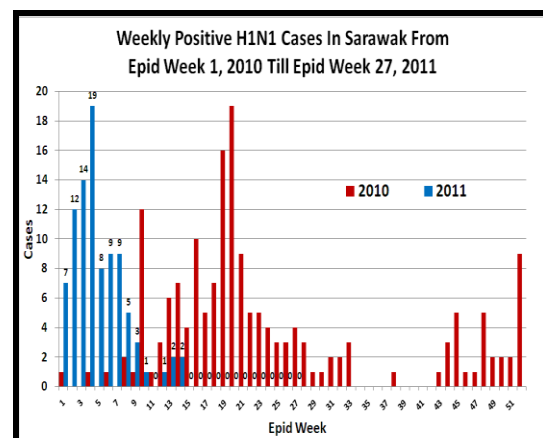
5. EMERGING/RE-EMERGING INFECTIOUS AND ZONOTIC DISEASES

5.1. H1N1

5.1.1 Positive Pandemic Influenza A (H1N1) cases for Epid. Week 27, 2011 compared to Epid. Week 27, 2010 and cumulative cases till Epid. Week 27 in 2011.

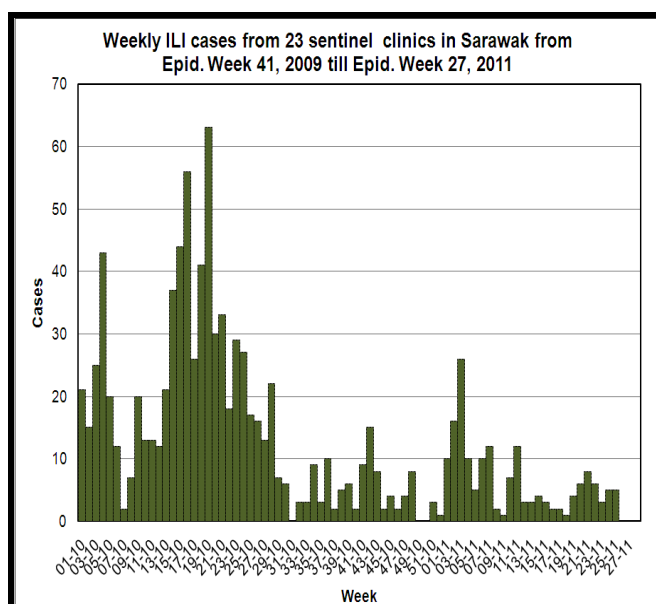
District	2011		2010		Total
	EW 27	Cum.	EW 27	Cum.	
Lundu	0	1	0	8	9
Bau	0	0	0	0	1
Kuching	0	51	2	39	61
Samarahan	0	0	0	5	8
Simunjan	0	0	0	3	4
Serian	0	0	0	2	2
Sri Aman	0	0	0	4	4
Lubok Antu	0	0	0	0	0
Betong	0	1	0	0	0
Saratok	0	0	0	0	0
Sarikei	0	0	0	2	2
Meradong	0	0	0	0	0
Julau	0	0	0	0	0
Daro	0	0	0	0	0
Dalat	0	0	0	0	0
Mukah	0	0	0	0	0
Sibu	0	1	0	19	19
Kanowit	0	0	0	1	1
Song	0	0	0	0	0
Kapit	0	1	0	1	1
Belaga	0	1	0	0	0
Tatau	0	0	0	0	0
Bintulu	0	27	0	15	19
Miri	0	6	0	7	7
Marudi	0	0	0	1	1
Limbang	0	2	0	18	20
Lawas	0	1	0	2	2
TOTAL	0	92	2	127	161

EW = Epid. Week



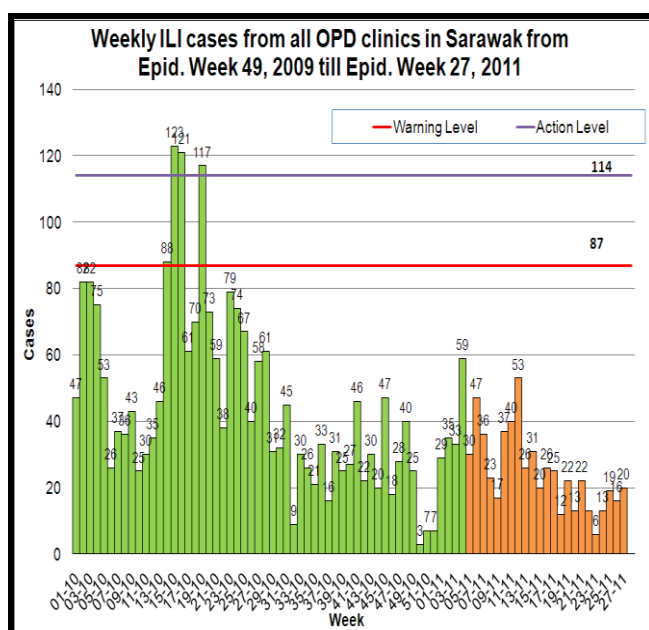
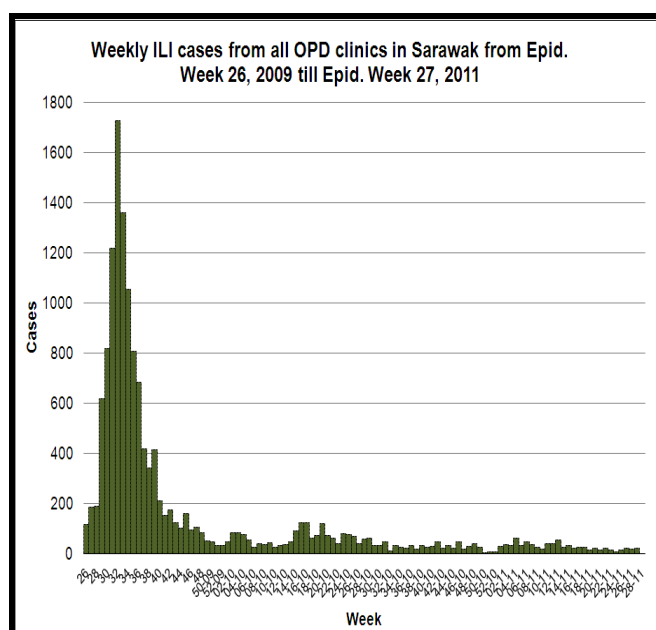
No H1N1 positive case was reported in Epid. Week 27, 2011. Cumulative total in 2011 are 92 cases as compared to 127 cases reported during the same period in 2010.

5.1.2 Outpatient Influenza-Like Illness (ILI) Surveillance from Epid. Week 25 in 2009 till Epid. Week 27 in 2011.



In Epid. Week 27, 2011, no ILI case reported from the 23 Sentinel clinics and all OPD clinics. This shows a decreasing trend in the number of cases compared to previous Epid. Week.

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



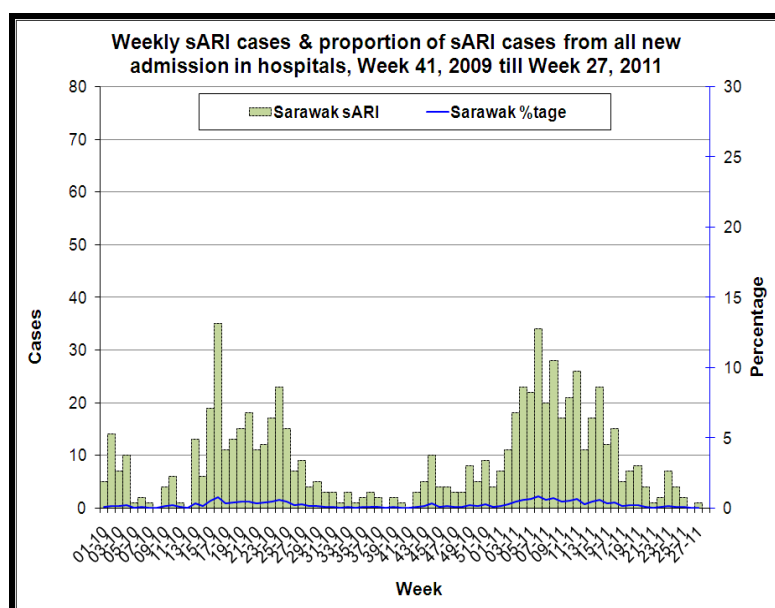
Referring to a letter dated 25 January 2011 from Office of the Deputy Director-General of Health (Public Health), Department of Public Health, Ministry of Health Malaysia about **PEMANTAUAN AKTIVITI H1N1 SECARA BERTERUSAN**, all PKB/PKD must send their daily H1N1 report as well as ILI and sARI surveillance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

5.1.3. New and Cumulative ILI Clusters as of 9th July 2011.

Division	New Cluster (No)	Positive	Negative	Cumulative
Kuching	0	13	3	16
Samarahan	0	0	0	0
Sri Aman	0	0	0	0
Betong	0	0	0	0
Sarikei	0	0	0	0
Sibu	0	0	0	0
Kapit	0	0	0	0
Bintulu	0	0	1	1
Miri	0	1	0	1
Limbang	0	0	0	0
TOTAL	0	14	4	18

Note: First cluster in 2011 was detected on 31/12/2010 and the latest was on 9/4/2011.

5.1.4. Severe Acute Respiratory (sARI) Infection Cases



sARI is suspected when:

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

5.1.5. Weekly Summary Report on sARI Admission in Government Hospitals in Sarawak as at 9th July 2011

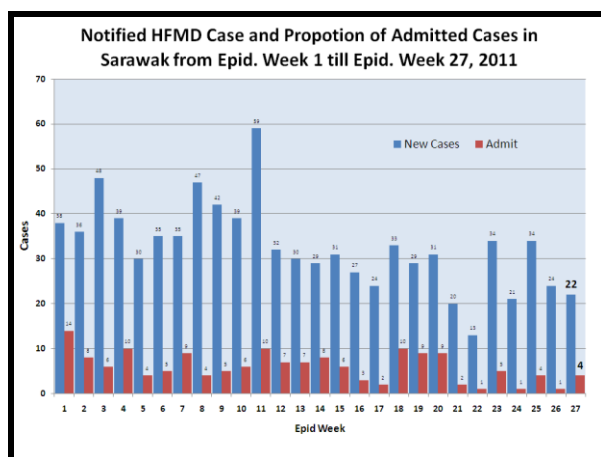
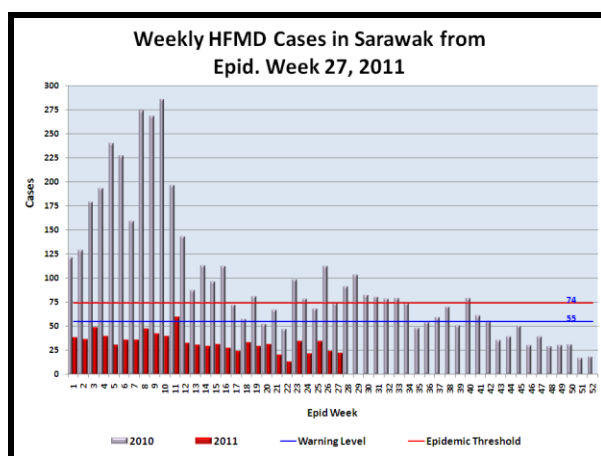
Division	Hospital	New EW 27	Cumulative 2011	No. of Inpatient			No. of Patient on Ventilator	Throat swabs		
				ICU	ISO	Other wards		Positive	Pending	Negative
Kuching	SGH Kuching	1	147	0	0	1	0	0	0	1
	Bau	0	0	0	0	0	0	0	0	0
	Lundu	1	17	0	0	1	0	0	1	0
	RCBM	0	0	0	0	0	0	0	0	0
	Sentosa	0	0	0	0	0	0	0	0	0
Samarahan	Serian	0	0	0	0	0	0	0	0	0
	Simunjan	0	1	0	0	0	0	0	0	0
Sri Aman	Sri Aman	0	0	0	0	0	0	0	0	0
Betong	Betong	0	0	0	0	0	0	0	0	0
	Saratok	0	0	0	0	0	0	0	0	0
Sarikei	Sarikei	0	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	0	247	0	0	0	0	0	0	0
Miri	Miri	1	16	0	0	1	0	0	1	0
	Marudi	0	0	0	0	0	0	0	0	0
Limbang	Limbang	0	6	0	0	0	0	0	0	0
	Lawas	0	0	0	0	0	0	0	0	0
Total		3	435	0	0	3	0	0	2	1

Three sARI admission were reported in Epid. Week 27, 2011: SGH Kuching, Lundu Hospital and Miri Hospital. None of the patients were in severe or critical condition. One of the results are negative and two are still pending.

5.2. Notified HFMD cases for Epid. Week 27, 2011 compared to Epid. Week 27, 2010 and cumulative cases till Epid. Week 27 in 2011.

District	2011		2010		Total 2010
	EW 27	Cum.	EW 27	Cum.	
Kuching	9	165	19	728	961
Bau	0	17	4	173	209
Lundu	0	6	0	51	86
KUCHING	9	188	23	952	1256
Samarahan	3	27	5	113	127
Asajaya	1	10	0	2	7
Simunjan	1	2	1	15	37
Serian	0	2	0	21	25
SAMARAHAN	5	41	6	151	196
Sri Aman	0	26	2	105	145
Lubok Antu	2	6	0	14	23
SRI AMAN	2	32	2	119	168
Betong	0	28	3	49	103
Saratok	0	20	0	37	38
BETONG	0	48	3	86	141
Sarikei	0	60	6	170	206
Meradong	1	11	0	42	55
Pakan	0	2	0	30	37
Julau	0	1	0	17	24
SARIKEI	1	74	6	259	322
Daro	0	0	1	21	24
Matu	0	0	2	5	20
Mukah	1	35	5	207	259
Dalat	0	15	0	97	108
MUKAH	1	50	8	330	411
Sibu	0	54	6	393	517
Selangau	0	0	0	6	17
Kanowit	0	17	0	44	44
SIBU	0	71	6	443	578
Kapit	0	43	4	98	116
Song	0	10	1	14	29
Belaga	0	5	0	6	10
KAPIT	0	58	5	118	155
Bintulu	2	158	6	387	629
Tatau	0	9	0	11	28
BINTULU	2	167	6	398	657
Miri	2	108	9	594	911
Marudi	0	36	0	84	105
MIRI	2	144	9	678	1016
Limbang	0	8	0	54	54
Lawas	0	1	0	40	56
LIMBANG	0	9	0	94	110
SARAWAK	22	882	74	3628	5010

EW = Epid. Week

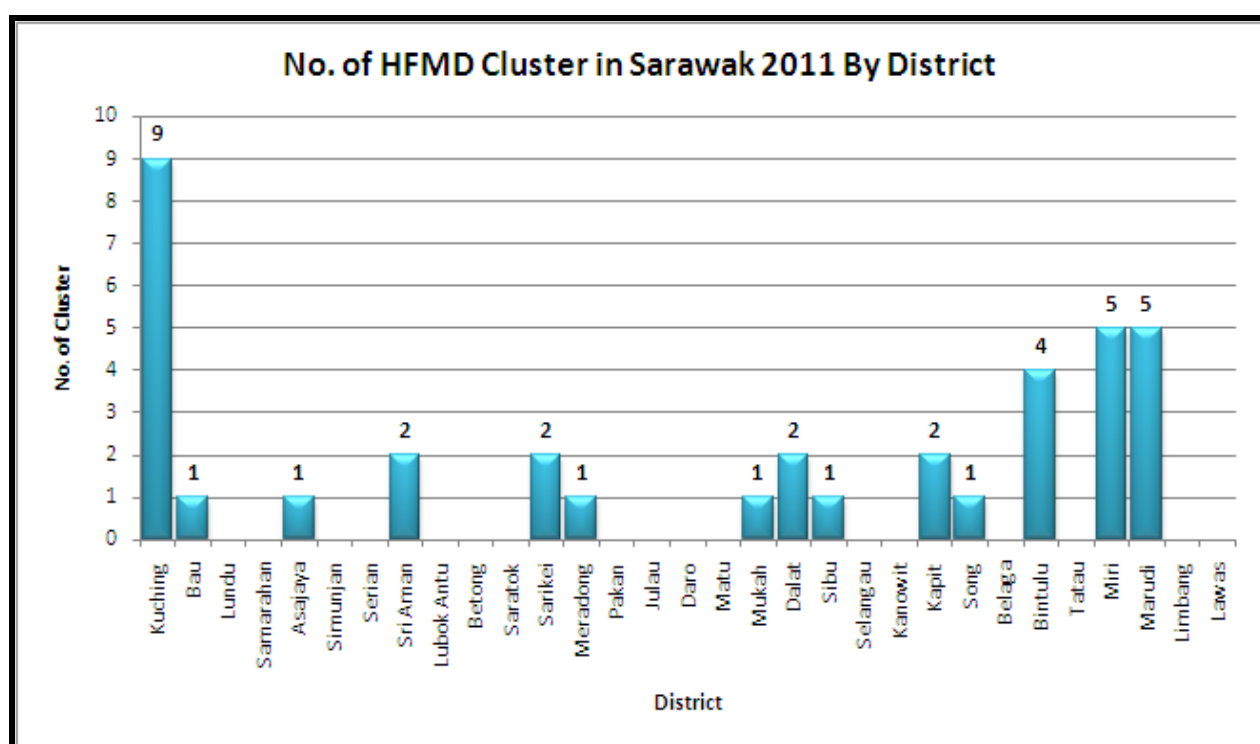
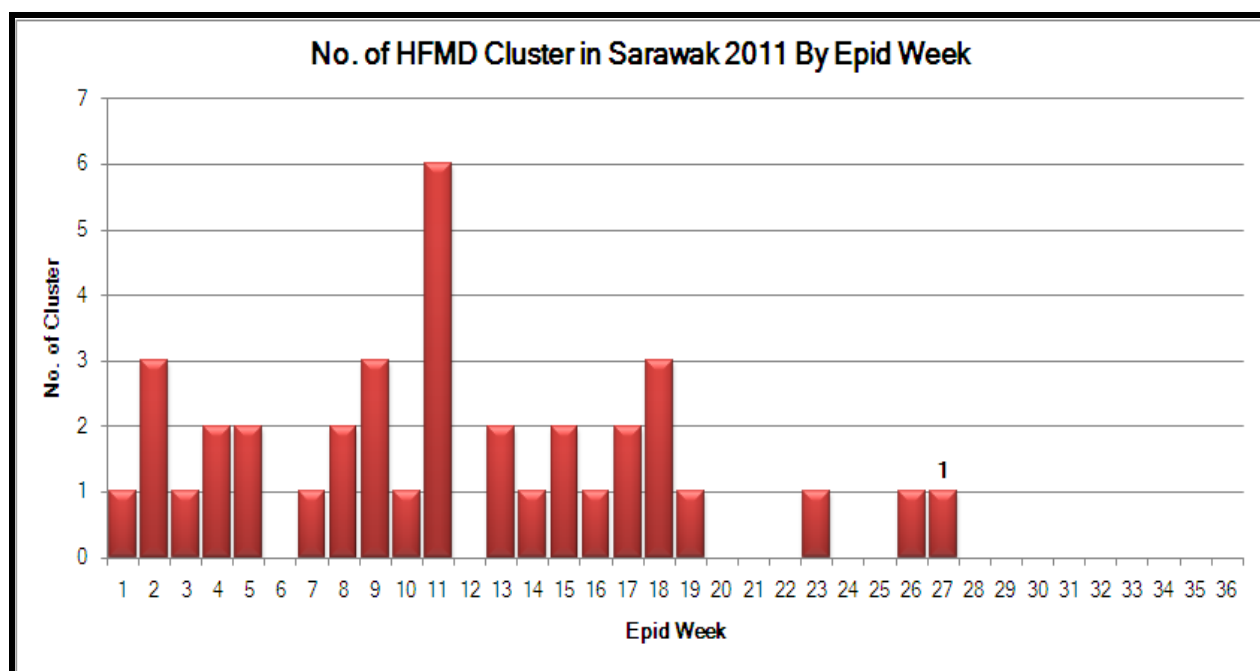


A total of 22 cases were reported in Epid. Week 27, 2011. This was a decrease of 16 cases from Epid. Week 26, 2011. A cumulative total of 882 cases were reported as compared to 3,628 cases during the same period in 2010.

5.2.1 Cumulative HFMD Clusters as of 9th July 2011.

One HFMD family cluster was reported in Epid. Week 27, involved two siblings from Kampung Tabuan Cemerlang, Kuching. Date of onset was on the 4th July 2011.

As at 9th July 2011 a total of 37 clusters were reported. 32 (86.49%) of the reported clusters were family cluster, three (8.11%) cluster in kindergarten and two (2.00%) are in school.



5.3. Notified Leptospirosis cases for Epid. Week 27, 2011 compared to Epid. Week 27, 2010 and cumulative cases till Epid. Week 27 in 2011.

District	Case classification (positive)				Total positive leptospirosis	
	Confirmed		Probable		2011	2010
	EW 27/2011	EW 27/2010	EW 27/2011	EW 27/2010		
Lundu	0	0	0	0	0	0
Bau	0	0	0	0	0	1
Kuching	0	0	1	0	4	12
Samarahan	0	0	0	0	1	1
Serian	0	0	0	0	2	2
Simunjan	0	0	0	0	2	1
Sri Aman	0	0	0	0	0	1
Lubok Antu	0	0	1	0	4	3
Betong	0	0	0	0	0	0
Saratok	0	0	0	0	0	0
Sarikei	0	0	0	0	0	1
Meradong	0	1	0	0	0	1
Pakan	0	0	0	0	1	1
Julau	0	0	0	0	0	1
Daro	0	0	0	0	0	1
Dalat	0	0	0	0	0	0
Mukah	0	0	0	0	1	1
Sibu	0	0	0	0	1	6
Kanowit	0	0	1	0	3	1
Selangau	0	0	0	0	1	0
Song	0	0	0	0	0	2
Kapit	0	0	0	0	3	1
Belaga	0	0	0	0	1	0
Tatau	0	0	0	0	0	0
Bintulu	0	0	0	1	4	6
Miri	0	0	0	0	5	3
Marudi	0	0	0	0	1	2
Limbang	0	0	0	0	2	1
Lawas	0	0	0	0	0	0
Total	0	1	3	1	35	49

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
2010: Cases are subject to change as some of the of the blood results still pending

Leptospirosis was gazetted as a notifiable disease mandated by under the Prevention and Control of Infectious Disease Act 1988 on 9th December 2010 (Surat Pekeliling Ketua Pengarah Kesihatan Malaysia Bil. 33/2010)

5.4. Notified Melioidosis cases for Epid. Week 27, 2011 compared to Epid. Week 27, 2010 and cumulative cases till Epid. Week 27 in 2011.

District	Blood test result				Total positive	
	Positive				2011	2010
	Culture		Serology			
	EW 27/2011	EW 27/2010	EW 27/2011	EW 27/2010		
Bau	0	0	0	0	0	0
Kuching	0	0	0	0	1	12
Samarahan	0	0	0	0	0	0
Simunjan	0	0	0	0	0	0
Serian	0	0	0	0	1	1
Sri Aman	0	0	0	0	1	0
Lubok Antu	0	0	0	0	1	0
Betong	0	0	0	0	0	2
Saratok	0	1	0	0	0	1
Sarikei	0	0	0	0	0	2
Meradong	0	0	0	0	0	2
Pakan	0	0	0	0	0	0
Julau	0	0	0	0	0	2
Dalat	0	0	0	0	0	1
Mukah	0	0	0	0	0	3
Sibu	0	0	0	0	0	5
Kanowit	0	0	0	0	0	1
Selangau	0	0	0	0	1	6
Song	0	1	0	0	0	7
Kapit	0	0	2	2	15	162
Belaga	0	0	0	0	8	28
Tatau	0	0	0	0	2	14
Bintulu	0	0	0	0	1	49
Miri	0	0	0	0	0	35
Marudi	0	0	0	0	0	7
Limbang	0	0	0	0	0	2
Lawas	0	0	0	0	0	1
Total	0	2	2	2	31	343

Note: () death; EW = Epid. Week

District indicate source of infection based on patient's current place of residence or workplace.

2011: Number of cases will depend on which Epid. Week results are received

2010: Cases are subject to change as some of the blood results still pending

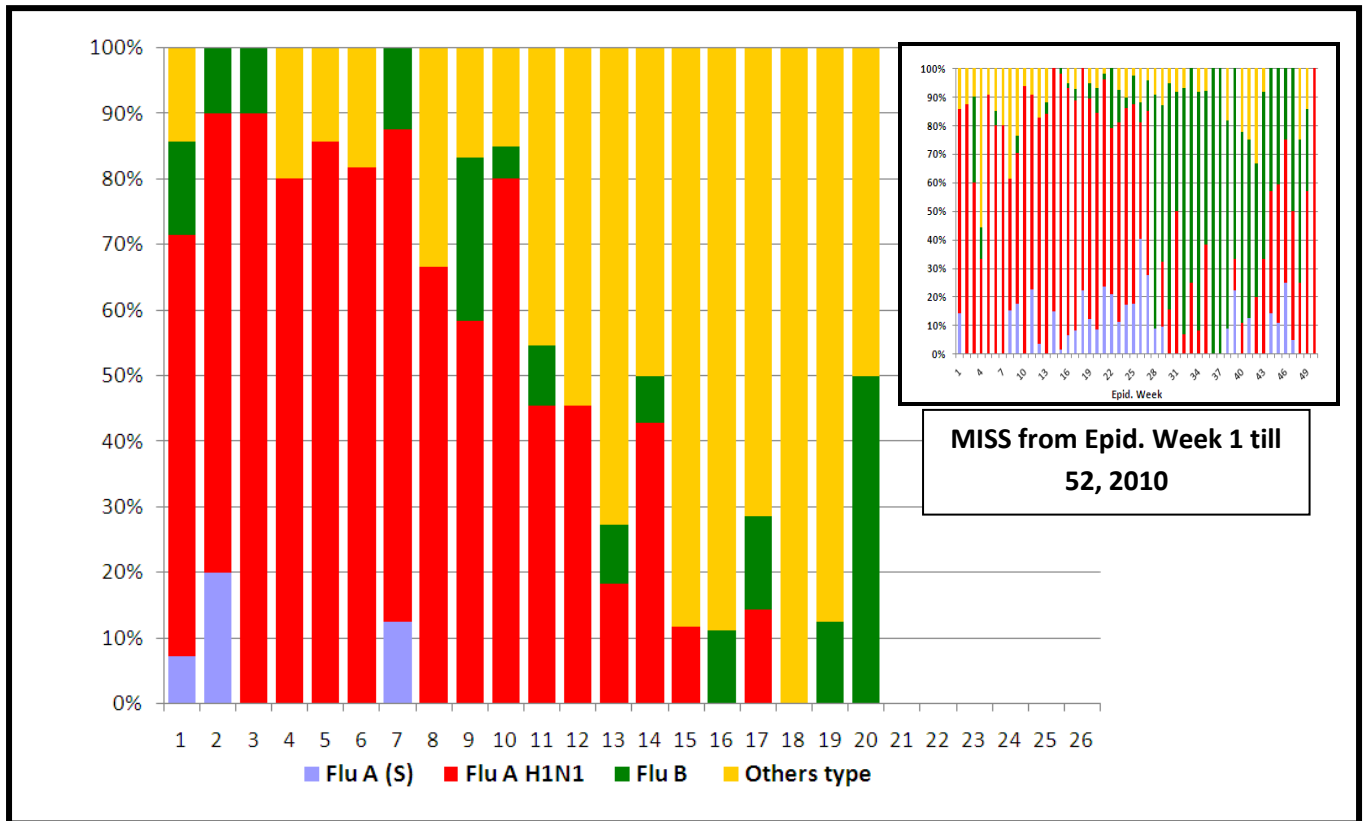
5.4.1. Locality of melioidosis outbreak in Sarawak as at 9th July 2011.

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

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

6. LABORATORY BASED SURVEILLANCE

6.1. Malaysia Influenza Surveillance System (MISS) (not included Sabah*) from Epid Week 1 till Epid Week 20, 2011 compare to Epid Week 1 till Epid Week 52, 2010 (inset)



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

In Malaysia, as at Epid Week 25, 2011, a total of 1,422 throat swab specimens were analysed at MKAK Sungai Buloh. Of these, 197 specimens isolated various types of influenza virus i.e. virus Flu A H1N1 (98), Flu A (s) [4], Flu B (18), and other types of virus (77). Since Epid. Week 11, 2011, Adenovirus (others type) is the dominant virus and as at 25th May 2011, 59 out of 196 specimens isolated adenovirus. Other viruses which are under category of others-type: Paramyxovirus (11), RSV (1), Enterovirus (1) and other viruses (9).

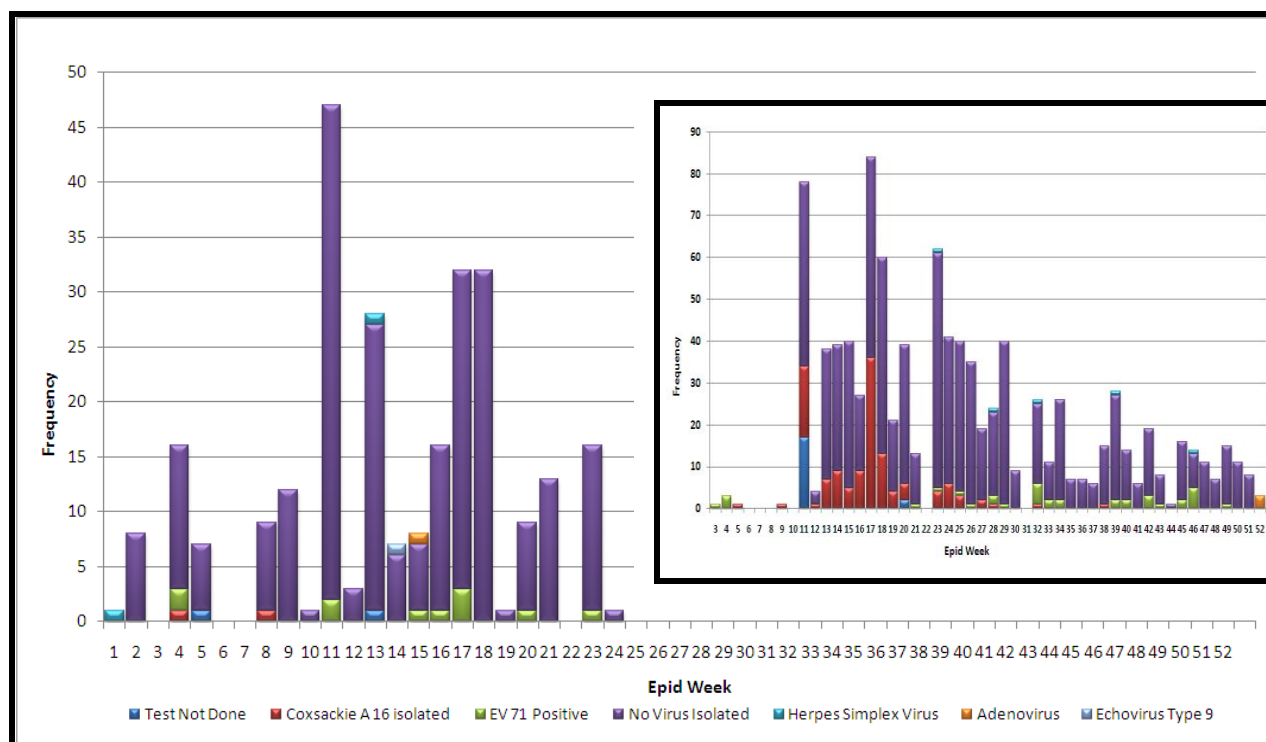
6.2. Laboratory Based Surveillance for Measles in Malaysia

In Malaysia, as at Epid. Week 25, 2011, a total of 1,574 serum specimens for serology test were sent to MKAK Sg. Buloh. Of these, 290 (19.5%) were positive for IgM Measles and 143 (12.2%) positive for Rubella.

A total of 1,261 specimens for viral isolation were sent to MKAK sg. Buloh. Of these, 62 (5.0%) specimens positive for virus isolation: measles (18); rubella (44); herpes simplex virus 1 (2); and adenovirus (4).

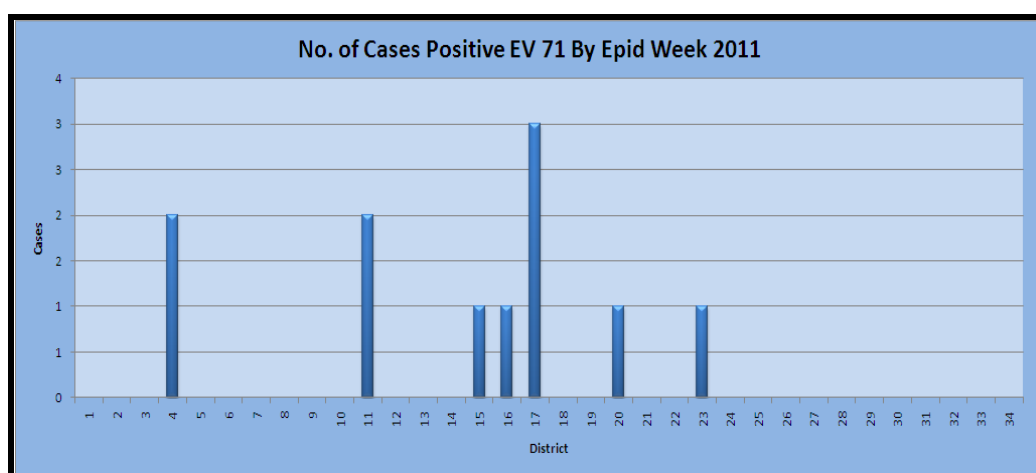
As at Epid Week 25, 2011, Sarawak had sent 110 specimens for serology test. Two specimens positive for measles IgM and 23 positive for rubella IgM. Only ten specimens for measles viral isolation from Sarawak were sent to MKAK Sg. Buloh but all were negative.

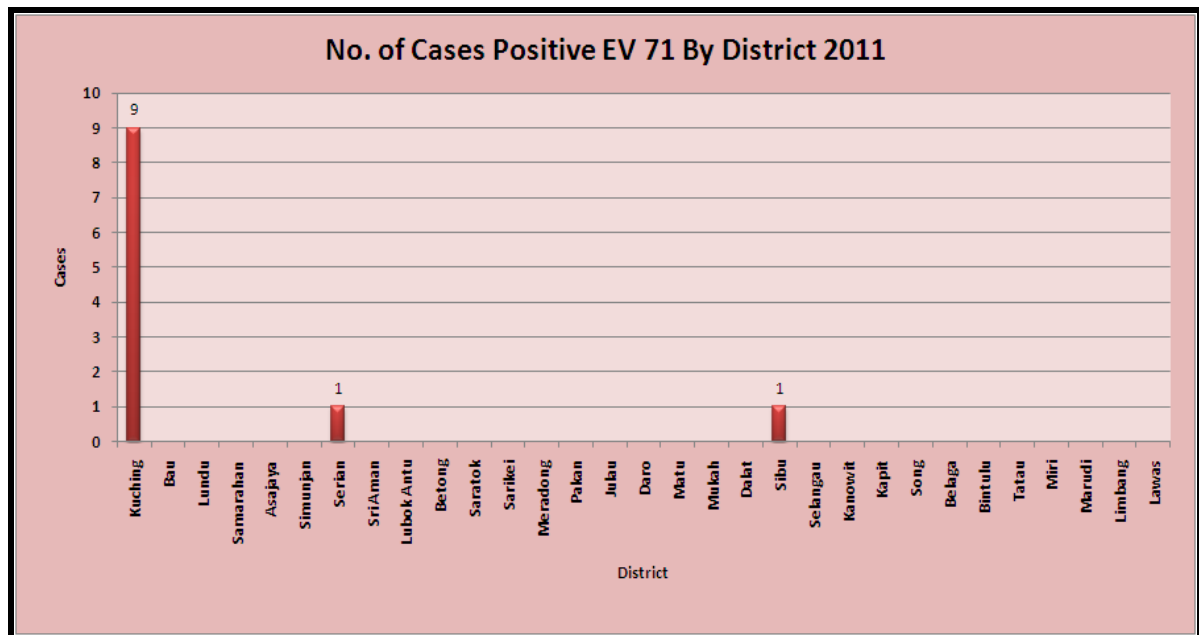
6.3. Laboratory Based Surveillance for HFMD in Sarawak from Epid Week 1 till Epid Week 27, 2011 compared to 2010 (inset).



In Malaysia, as at Epid. Week 27, 2011, a total of 777 specimens of HFMD were sent to MKAK Sg. Buloh for viral isolation. Out of these, 109 specimens isolated HFMD viruses: EV71 (28), Coxsackie A16 (71), Herpes Simplex (HSV 1) (6) and other virus (4). No virus isolated from other 150 specimens.

In Sarawak, as at Epid. Week 27, 2011, a total of 297 specimens were sent to MKAK Sg. Buloh for viral isolation. Of these, 17 specimens isolated viruses: EV71 (11), Coxsackie A16 (2), Herpes Simplex (HSV 1) [2] and other virus (2).





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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 Epid. Week 25, 2011 Sarawak Weekly Epid News are greatly appreciated.

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 2nd July 2011):

Bil	Jawatan / Nama	Alamat	Email	No. Hp
1	Ketua Penolong Pengarah Kanan Dr. Razitasham Binti Safii	Seksyen Kawalan Penyakit Berjangkit, Jabatan Kesihatan Negeri Sarawak	razitasham@srwk.moh.gov.my	Tel:082-421442 Fax: 082-234571
2	Ketua Penolong Pengarah Dr. Noorzilawati bt. Sahak	Seksyen Kawalan Penyakit Berjangkit, Jabatan Kesihatan Negeri Sarawak	drnoorzila@gmail.com	Tel: 082-246935
3	Pegawai Kesihatan Bahagian Kuching Dr. Kamarudin Lajim	Pejabat Kesihatan Bahagian, Bahagian Kuching, Jln Tun Ahmad Zaidi Adruce, 93250 Kuching	dhoshan@yahoo.com.sg kamarudinl@srwk.moh.gov.my	Tel:082 – 238635/257867 Fax:082-414542/250037 Hp:013-8014332
4	Pegawai Kesihatan Bahagian Samarahan Dr. Julaidah Sharip	Pejabat Kesihatan Bahagian, Bahagian Samarahan, Jln Datuk Muhammad Musa, 94300 Kota Samarahan	drjulaidah@yahoo.com	Tel:082-673626 Fax:082-673632 Hp:019-8270869
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7	Pegawai Kesihatan Bahagian Sarikei Dr. Hasrina Hassan	Pejabat Kesihatan Bahagian, Bahagian Sarikei, Tingkat 3, Wisma Persekutuan, 96100 Sarikei	hasrina.hassan@gmail.com	Tel:084-651077 Fax:084-654088 Hp:013-3403363
8	Pegawai Kesihatan Bahagian Sibul Dr. Muhamad Rais Bin Abdullah	Pejabat Kesihatan Bahagian, Bahagian Sibul, Tingkat 5, Wisma Persekutuan, Persiaran Brooke, 96000 Sibul	mdrais@srwk.moh.gov.my	Tel:084-315494 Fax:084-332502 Hp:017-8030839/019-
9	Pegawai Kesihatan Bahagian Kapit Dr. Ngian Hie Hung	Pejabat Kesihatan Bahagian, Bahagian Kapit, Tingkat 3, Wisma Persekutuan, 96800 Kapit	ngianhu@srwk.moh.gov.my ngianhu@yahoo.com	Tel:084-796404/084- Fax:084-798092 Hp:019-8199679
10	Pegawai Kesihatan Bahagian Mukah Dr. Hj Osman Bin Hj. Rafaie	Pejabat Kesihatan Bahagian, Bahagian Mukah, Jln Hj Muhammad Pauzi, 96400 Mukah	dho_10mukah@yahoo.com dho_mukah@yahoo.com	Tel:084-873301 Hp:013-8014700
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