



SARAWAK

WEEKLY EPID NEWS

Sarawak Health Department

WEEK 29

17th – 23rd JULY 2011

INFECTIOUS DISEASE/CRISIS HIGHLIGHTS IN SARAWAK

In Epid. Week 29, 2011 Sarawak Health Department received one intoxication food poisoning which involved eleven students and teachers of SK St. Augustine, Bintangor. The outbreak is suspected to be related to food under *Rancangan Makanan Tambahan* (RMT) programme.

There were five cases of leptospirosis (three confirmed by MAT and two probable cases by ELISA) reported in Epid. Week 29, 2011.

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SARAWAK
State Health Department

CPRC (CRISIS PREPAREDNESS AND RESPONSE CENTRE)

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2. NEW OUTBREAKS/CLUSTERS

No	Disease	District	Locality	Case (No)	Outbreak declared
1	Food Poisoning	Meradong	SK Saint Augustine, Bintangor	11 cases	18.07.2011
2	Malaria	Marudi	Long Lutin	5	18.07.2011
3		Lawas	Pa Berunut	2	18.07.2011
4		Belaga	Long Tanyit	2	22.07.2011

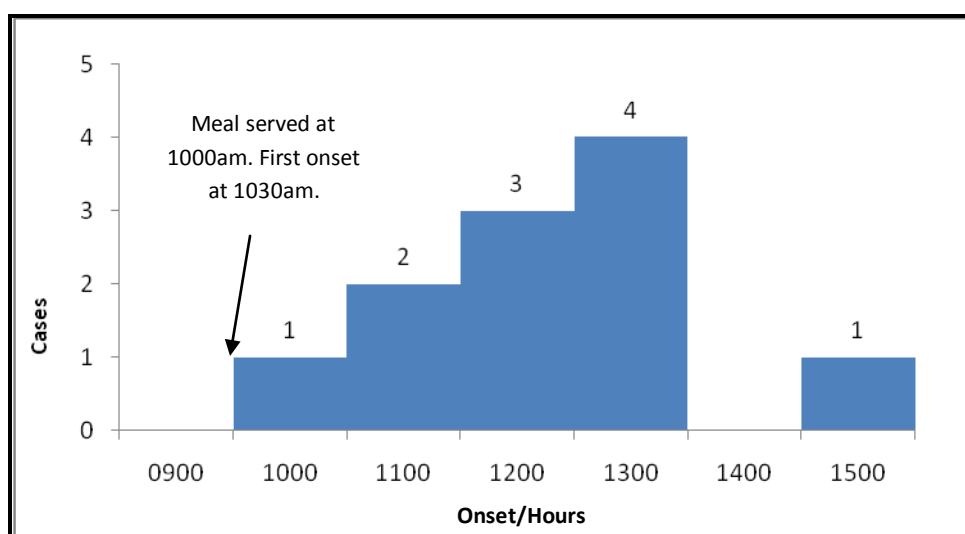
There were four outbreaks reported in Epid. Week 28, 2011 to Sarawak Health Department.

2.1. Preliminary Report of Food Poisoning Outbreak at SK St. Augustine, Bintangor

A food poisoning outbreak was reported at SK St Augustine, Bintangor on 18th July 2011 at 2:10 PM which related to food under *Rancangan Makanan Tambahan* (RMT) programme. Out of 48 persons exposed (45 students; 3 teachers), eleven had food poisoning symptoms and giving the attack rate as 22.9%. The cases involved nine students ages between seven and 13 years old; and *two teachers. The clinical presentations were abdominal pain (100.0%), vomiting (63.6%), nausea (63.6%) and dizziness (54.5%). Three cases were treated at Meradong Health Clinic as outpatient.

The first onset was at 10:30 AM and the last at 3:30 PM on 18th July 2011. The incubation period ranges from 0.5 – 5.3 hours and median incubation period was 2.6 hours. The suspected food was *mee goreng* which was served at 10:00 AM on 18th July 2011. This is most likely intoxication food poisoning and the probable aetiological agent is *Bacillus cereus*.

Epidemic curve of food poisoning cases by onset hours at SK St. Augustine, Bintangor (n=11)



Note: *teachers took balance of the food

3. MANDATORY NOTIFIABLE DISEASES REPORTED IN EPID. WEEK 29, 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																											
Bau											1																
Kuching										4					1				1								
Samarahan											6																
Asajaya										1	1																
Simunjan																											
Serian						1																					
Sri Aman											3																1
L/ Antu											2																1
Betong													1														
Saratok																											1
Sarikei						1							1														
Meradong									11				1														
Pakan/Julau													3														
Daro																											
Matu																											
Dalat																											
Mukah																											1
Sibu											1		1														
Kanowit											1																
Selangau																											
Song						1																					
Kapit						1							3														
Belaga													4														1
Tatau						2							2														
Bintulu						2					8		1														
Miri	1/0					2									2									1			
Marudi													1														
Limbang	0/1												1														
Lawas						1																					
TOTAL (Week 29)	1/1	0	0	0	0	11	0	0	11	5	23	0	19	0	3	0	0	0	1	0	0	0	0	1	0	0	5
Total (2011)	65/32	0	0	252	0	578	7	0	871	242	982	8	990	26	105	0	0	0	80	1	972	4	0	61	9	0	51
Total (2010)	136/111	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)	143/189	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

3.1.1. HIV/AIDS

A new case of HIV reported in Epid. Week 29, 2011. The cumulative total HIV cases were 65 and all cases are adults. Out of these, 45 cases (69.23%) are male and 20 (30.77%) are female.

3.1.2. Cholera

No case reported in Epid. Week 29, 2011. A total of 252 cases were from Limbang. There were two outbreak localities at Limbang and Mendamitt in March 2011. DNA finger printing study showed the organisms were local origin.

3.1.3. Dysentery

No case reported in Epid. Week 29, 2011. The cumulative total of dysentery cases were seven but only one case was confirmed to be *E. histolytica* from Simunjan District. The others are all negative for microbiological analyses.

3.1.4. Food Poisoning

One food poisoning outbreak reported at SK St Augustine, Meradong in Epid. Week 29, 2011. The cumulative total of food poisoning cases were 871 cases that consist of 29 outbreaks. Out of 29 outbreaks, 18 (62.1%) involved schools (9 primary; 9 secondary).

3.1.5. Gonorrhoea

Five new cases reported in Epid. Week 29, 2011 from Kuching and Asajaya district. Out of a total of 242 cases reported, 241 were adults and one was a gonococcal neonatorum.

3.1.6. Leprosy

No case reported in Epid. Week 29, 2011. The cumulative total of leprosy cases were 10, one case was foreigner and nine were locals. All the cases were detected through active case detection (ACD).

3.1.7. Whooping Cough

No case reported in Epid. Week 29, 2011. Out of the cumulative total of 26 suspected pertussis cases, four cases were confirmed by culture (SGH Kuching=3, Miri=1) and one case confirmed by PCR from Sibu hospital. Eight cases are negative and the rest are still pending.

3.1.8. Measles

Two suspected measles cases were reported in Epid. Week 29, 2011, each from Kuching and Miri district. The first case is a one year old Malay girl notified by Mosque Road Health Clinic presented with fever and rash only.

The second case is a 16 years old Malay boy notified by Miri Health Clinic with history of unknown immunisation status. All serology results are still pending. The cumulative total measles cases reported as at 23rd July 2011 is 105. Of this, only one case was positive IgM measles.

3.1.9. Syphilis

One case reported in Epid. Week 29, 2011 from Kuching district. Out of the total of 80 syphilis cases reported, 76 (95%) cases were adult and four cases (5%) were children. More than half of the cases were male, 41 (51.25%) and 39 (48.75%) were female.

3.1.10. Tetanus

No case reported in Epid. Week 29, 2011. The cumulative total of tetanus cases is remained as one. The patient was a 77 years old Chinese man from Kuching district.

3.1.11. Tuberculosis (all forms)

As at June 2011, there were 173 confirmed TB cases, bringing a cumulative total of 972 cases reported in 2011 compared to 1,689 total cases reported in year 2010.

3.1.12. Typhoid and paratyphoid fever

No case reported in Epid. Week 29, 2011. The cumulative total confirmed typhoid case were four through stool culture and sensitivity test.

3.1.13. Viral Hepatitis

One case of Hepatitis C was reported by Miri Hospital in Epid Week 29, 2011. This case is a 48 years old Kayan, admitted in Miri Hospital and presented with hepatomegaly. No case of Hepatitis A and Hepatitis B case reported in Epid. Week 29, 2011.

The cumulative total of viral Hepatitis cases were 61. Of these, 35 cases were viral Hepatitis B where four were acute and 31 were chronic. Another 26 cases were Hepatitis C where six cases were acute and 20 were chronic.

3.1.14. Viral Encephalitis

No case reported in Epid. Week 29, 2011. The cumulative total of viral encephalitis cases were nine. Of these, one case was confirmed Japanese Encephalitis and seven were due to other viruses.

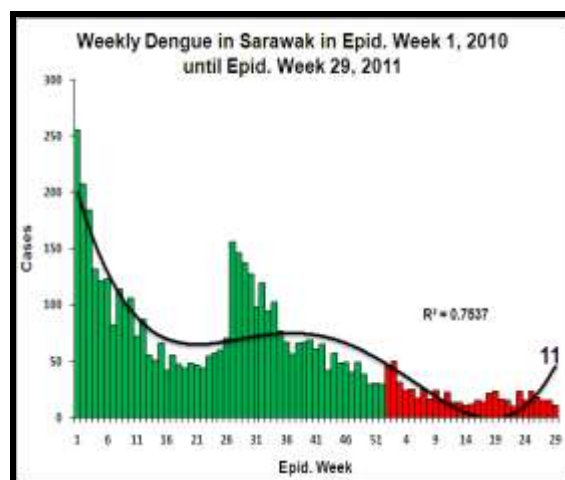
Note: Vector borne diseases and emerging and re-emerging infectious diseases will be discussed in their respective chapter.

4. VECTOR BORNE DISEASES: DENGUE, MALARIA AND CHIKUNGUNYA

4.1. Notified Dengue cases for Epid. Week 29, 2011 as compared to Epid. Week 29, 2010 and cumulative cases till Epid. Week 29 in 2010.

District	2011		2010		Total
	EW 29	Cum.	EW 29	Cum.	
Lundu	0	7	1	33	69
Bau	0	18	8	80	123
Kuching	0	64	6	306	473
Samarahan	0	12	1	71	97
Asajaya	0	4	0	7	10
Serian	1	11	1	110	140
Simunjan	0	9	0	38	47
Sri Aman	0	27	1	58	96
Lubok Antu	0	14	3	24	53
Betong	0	9	1	18	30
Saratok	0	4	0	17	20
Sarikei	1	13	5	64	91
Meradong	0	10	1	43	53
Pakan	0	10	0	18	30
Julau	0	9	0	12	20
Daro	0	6	1	44	95
Matu	0	1	3	19	25
Dalat	0	2	0	6	14
Mukah	0	4	2	19	39
Sibu	0	51	57	659	1021
Kanowit	0	17	2	34	64
Selangau	0	6	0	8	32
Song	1	9	0	9	16
Kapit	1	22	6	114	158
Belaga	0	15	2	20	39
Tatau	2	27	0	19	40
Bintulu	2	73	8	133	237
Miri	2	69	19	589	816
Marudi	0	37	3	89	126
Limbang	0	13	5	82	131
Lawas	1	5	1	18	35
Sarawak	11	578	137	2761	4240

EW = Epid. Week



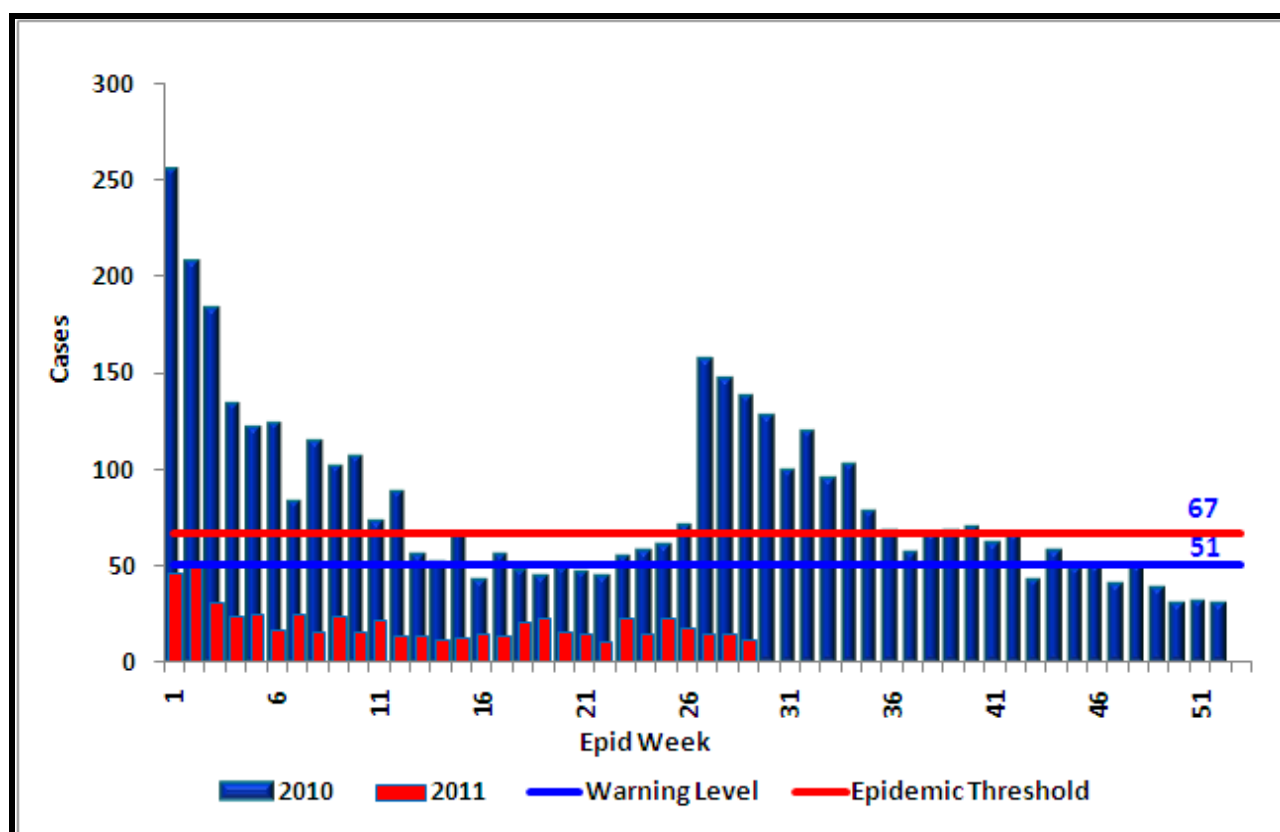
A total of 11 dengue cases were reported in Epid. Week 29, 2011 as compared to 137 cases during the same period in 2010. There is a decrease of 4 cases from the previous Epid. Week.

No outbreak and uncontrolled outbreak localities were reported.

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

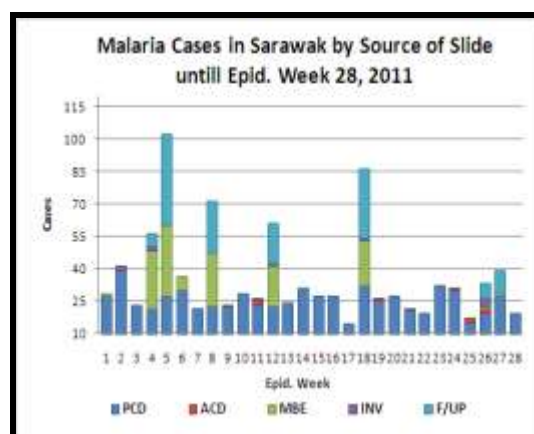
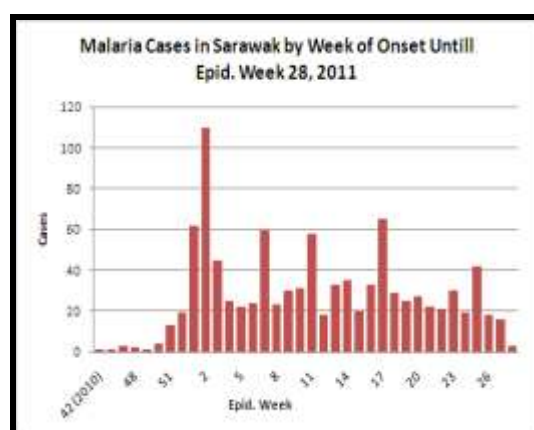
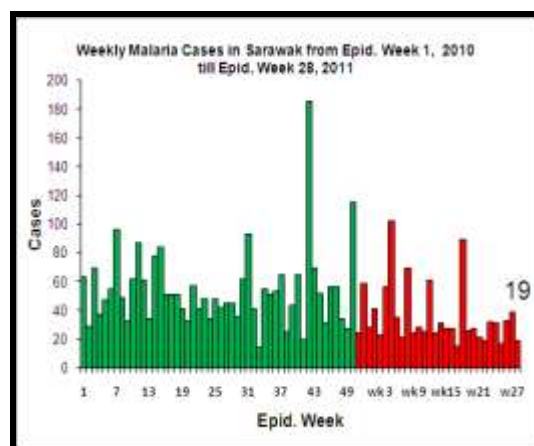
1. Bintulu
2. Miri
3. Kuching
4. Sibu
5. Marudi

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 28, 2011 compared to Epid. Week 28, 2010 and cumulative cases till Epid. Week 28 in 2011.

District	2011		2010		Total
	EW 28	Cum.	EW 28	Cum.	
Lundu	0	22	5	59	72
Bau	0	3	0	8	9
Kuching	0	12	0	15	27
Samarahan	0	2	0	0	2
Asajaya	0	0	0	0	0
Serian	0	2	0	14	17
Simunjan	0	15	0	45	58
Sri Aman	0	7	0	16	25
Lubok Antu	0	11	0	12	16
Betong	1	16	0	8	15
Saratok	0	1	0	3	4
Sarikei	1	14	0	3	8
Meradong	1	6	0	1	3
Pakan	0	11	0	7	14
Julau	3	37	1	18	34
Daro	0	1	0	0	1
Matu	0	0	0	0	1
Dalat	0	5	1	11	14
Mukah	0	2	0	3	6
Sibu	1	23	3	28	43
Kanowit	0	51	0	32	65
Selangau	0	6	1	5	9
Song	0	31	6	26	46
Kapit	3	116	2	62	134
Belaga	4	74	3	216	300
Tatau	2	18	0	7	12
Bintulu	1	25	1	15	39
Miri	0	19	1	13	32
Marudi	1	429	20	799	1734
Limbang	1	10	0	25	29
Lawas	0	21	1	20	33
Sarawak	19	990	45	1471	2802



A total of 19 cases were reported in Epid. Week 28, 2011. The cumulative cases as at Epid. Week 28, 2011 were 990. Of the these, 429 cases (43%) from Marudi District, 116 cases (12%) from Kapit District and 74 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)

4.2.1. Case detected by slide source

Slides source	Epid. Week 28	Epid. Week 1 – Epid. Week 28
Passive Case Detection (PCD)	19	691
Active Case Detection (ACD)	0	8
Investigation slides (INV)	0	16
Mass Blood Survey (MBS)	0	132
Follow-up	0	143
Total	19	990

4.2.2. Case Reported by PCD Units

Slides source	Epid. Week 28
Bintulu Hospital	5
KK Kapit	3
KK Long San	2
Other PCD units	9
Total	19

4.2.3. Case by *Plasmodium* species

Species	Epid. Week 28	Epid. Week 1 – Epid. Week 28
<i>Plasmodium vivax</i>	5	590
<i>Plasmodium falciparum</i>	0	49
<i>Plasmodium malariae</i> [#]	4	209
<i>Plasmodium knowlesi</i>	10	138
<i>Plasmodium ovale</i>	0	0
Mixed infection	0	4
Total	19	990

Notes: # May include *Plasmodium knowlesi*

4.2.4. Case classification

Classification	Epid. Week 28	Epid. Week 1 – Epid. Week 28
Indigenous	15	767
*Imported A	3	116
Relapsed	1	106
Congenital	0	1
Total	19	990

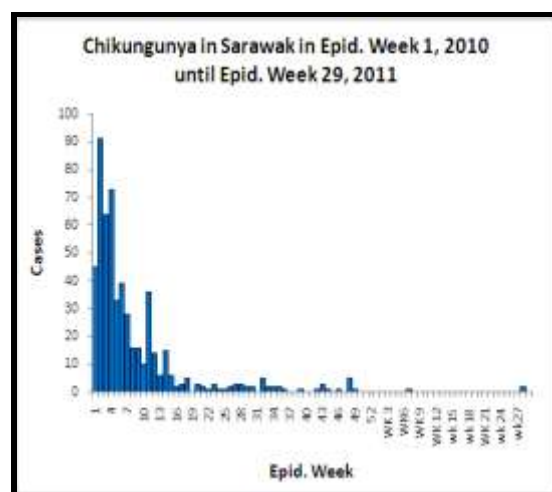
4.2.5. The source of infection of the *Imported A cases and the species involved

District reported	Source of infection	Case (No.)	Species
Sarikei	Papua New Guinea	1	<i>P. malariae</i>
Tatau	Indonesia	1	<i>P. vivax</i>
Sibu	Papua New Guinea	1	<i>P. vivax</i>

4.3. Notified Chikungunya cases for Epid. Week 29, 2011 compared to Epid. Week 29, 2010 and cumulative cases till Epid. Week 29 in 2010.

District	2011		2010		
	EW 29	Cum.	EW 29	Cum.	Total
Lundu	0	0	0	1	1
Bau	0	0	0	9	13
Kuching	0	1	1	70	72
Samarahan	0	0	0	2	3
Asajaya	0	0	0	1	1
Serian	0	1	0	15	15
Simunjan	0	0	0	17	17
Sri Aman	0	0	0	26	26
Lubok Antu	0	0	0	16	16
Betong	0	1	0	11	13
Saratok	0	0	0	8	8
Sarikei	0	0	0	6	7
Meradong	0	0	0	24	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	0	59	67
Belaga	0	0	0	76	78
Tatau	0	0	0	6	6
Bintulu	0	0	1	43	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	3	2	523	550

EW = Epid Week



No case of Chikungunya was reported in Epid. Week 29, 2011, as compared to two cases during the same period in 2010. The cumulative cases of Chikungunya in 2011 were three.

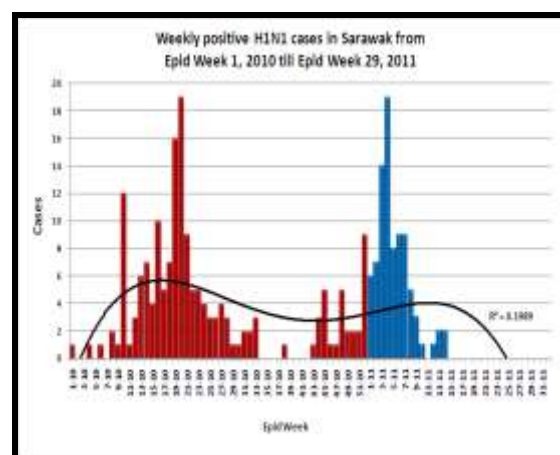
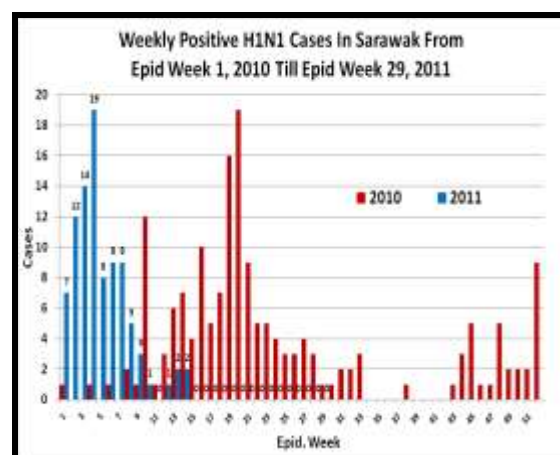
5. EMERGING/RE-EMERGING INFECTIOUS AND ZOO NOTIC DISEASES

5.1. H1N1

5.1.1 Positive Pandemic Influenza A (H1N1) cases for Epid. Week 29, 2011 compared to Epid. Week 29, 2010 and cumulative cases till Epid. Week 29 in 2011.

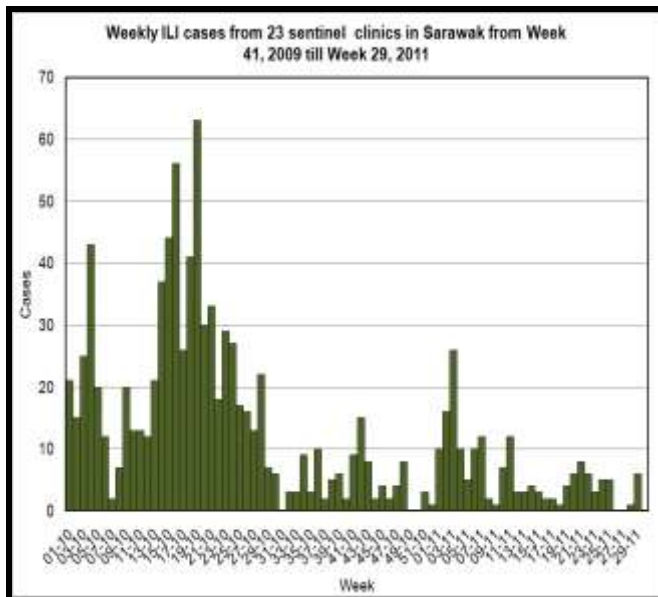
District	2011		2010		Total
	EW 29	Cum.	EW 29	Cum.	
Lundu	0	1	0	8	9
Bau	0	0	0	0	1
Kuching	0	51	1	41	61
Samarahan	0	0	0	5	8
Simunjan	0	0	0	3	4
Serian	0	0	0	2	2
Sri Aman	0	0	0	4	4
Lubok Antu	0	0	0	0	0
Betong	0	1	0	0	0
Saratok	0	0	0	0	0
Sarikei	0	0	0	2	2
Meradong	0	0	0	0	0
Julau	0	0	0	0	0
Daro	0	0	0	0	0
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	1	129	161

EW = Epid. Week



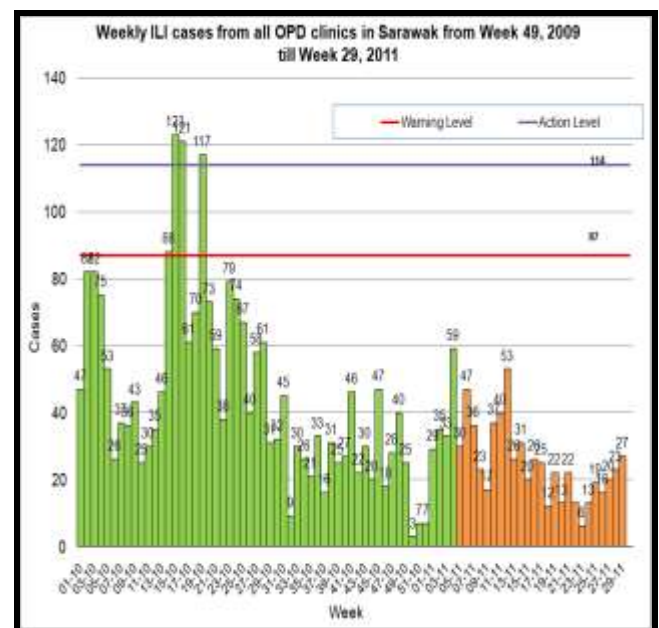
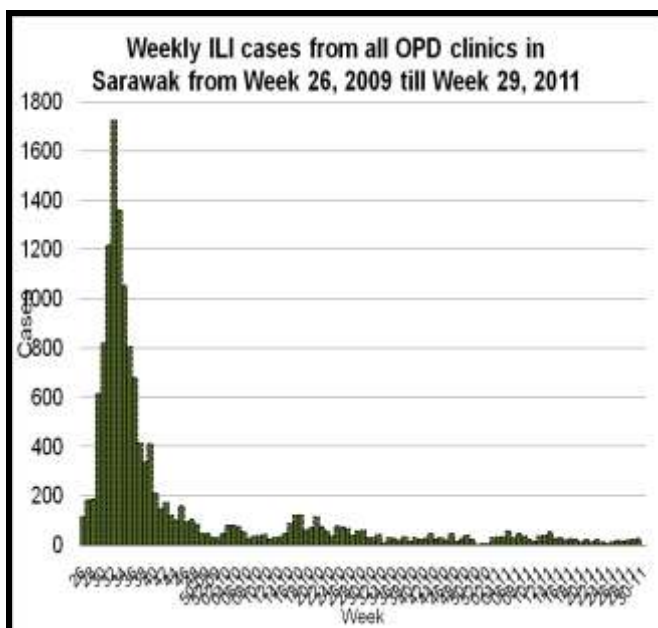
No H1N1 positive case was reported in Epid. Week 29, 2011. The cumulative total in 2011 were 92 cases as compared to 129 cases reported during the same period in 2010.

5.1.2 Outpatient Influenza-Like Illness (ILI) Surveillance from Epid. Week 25 in 2009 till Epid. Week 29 in 2011.



In Epid. Week 29, 2011, seven ILI case reported from the 23 Sentinel clinics and all OPD clinics. This show an increasing 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).



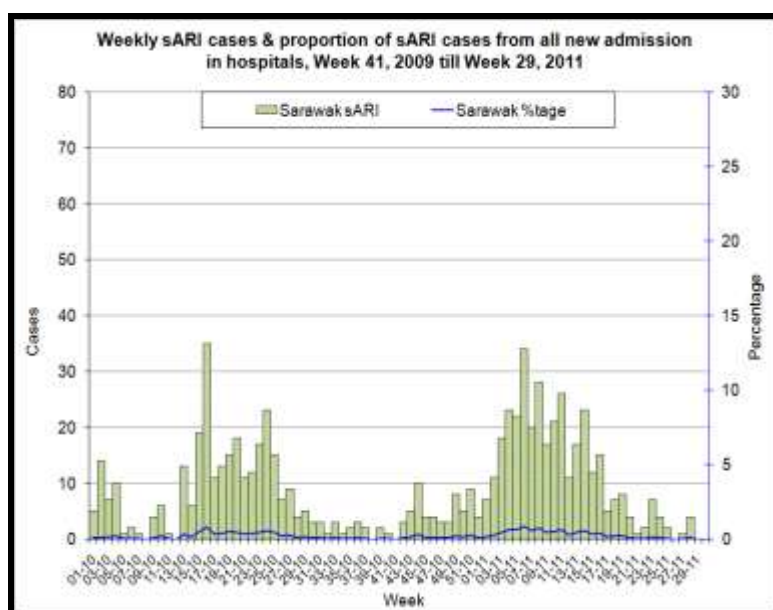
Referring to a letter dated 25 January 2011 from Office of the Deputy Director-General of Health (Public Health), Department of Public Health, Ministry of Health Malaysia about **PEMANTAUAN AKTIVITI H1N1 SECARA BERTERUSAN**, all PKB/PKD must send their daily H1N1 report as well as ILI and sARI surveillance 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 23rd 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 23th July 2011

Division	Hospital	New EW 29	Cumulative 2011	No. of Inpatient			No. of Patient on Ventilator	Throat swabs		
				ICU	ISO	Other wards		Positive	Pending	Negative
Kuching	SGH Kuching	2	152	0	0	3	0	0	0	3
	Bau	0	0	0	0	0	0	0	0	0
	Lundu	1	19	0	0	1	0	0	0	1
	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	248	0	0	0	0	0	0	0
Miri	Miri	0	16	0	0	0	0	0	0	0
	Marudi	0	0	0	0	0	0	0	0	0
Limbang	Limbang	0	6	0	0	0	0	0	0	0
	Lawas	0	0	0	0	0	0	0	0	0
Total		3	443	0	0	4	0	0	0	4

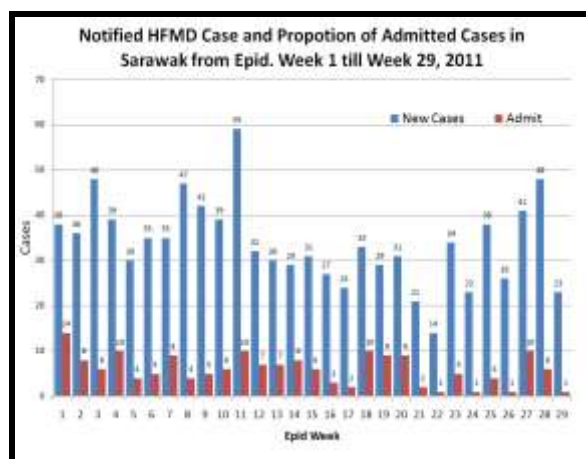
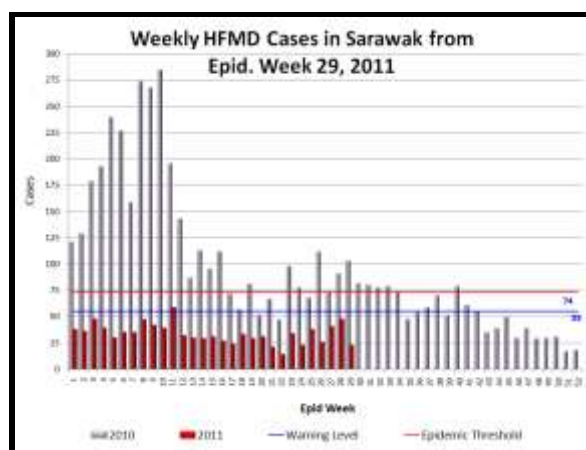
EW = Epid. Week

Three sARI admissions were reported in Epid. Week 29, 2011: SGH Kuching (2) and Lundu Hospital (1). None of the patients was in severe or critical condition. All three cases were negative for H1N1.

5.2. Notified HFMD cases for Epid. Week 29, 2011 compared to Epid. Week 29, 2010 and cumulative cases till Epid. Week 29 in 2011.

District	2011		2010		Total 2010
	EW 29	Cum.	EW 29	Cum.	
Kuching	0	169	28	787	961
Bau	1	20	7	182	209
Lundu	0	8	0	53	86
KUCHING	1	197	35	1022	1256
Samarahan	6	38	1	116	127
Asajaya	1	19	1	3	7
Simunjan	0	2	3	20	37
Serian	0	5	1	23	25
SAMARAHAN	7	64	6	162	196
Sri Aman	3	33	6	114	145
Lubok Antu	2	7	0	16	23
SRI AMAN	5	40	6	130	168
Betong	0	29	4	57	103
Saratok	0	23	1	38	38
BETONG	0	52	5	95	141
Sarikei	0	74	3	178	206
Meradong	0	10	0	42	55
Pakan	0	2	3	35	37
Julau	0	1	1	19	24
SARIKEI	0	87	7	274	322
Daro	0	0	0	21	24
Matu	0	0	5	13	20
Mukah	0	35	2	210	259
Dalat	0	15	1	98	108
MUKAH	0	50	8	342	411
Sibu	1	56	6	408	517
Selangau	1	2	1	7	17
Kanowit	0	17	0	44	44
SIBU	2	75	7	459	578
Kapit	0	43	2	100	116
Song	0	10	2	21	29
Belaga	0	5	0	6	10
KAPIT	0	58	4	127	155
Bintulu	8	190	12	404	629
Tatau	0	16	1	12	28
BINTULU	8	206	13	416	657
Miri	0	108	11	615	911
Marudi	0	36	0	84	105
MIRI	0	144	11	699	1016
Limbang	0	8	0	54	54
Lawas	0	1	1	42	56
LIMBANG	0	9	1	96	110
SARAWAK	23	982	103	3822	5010

EW = Epid. Week

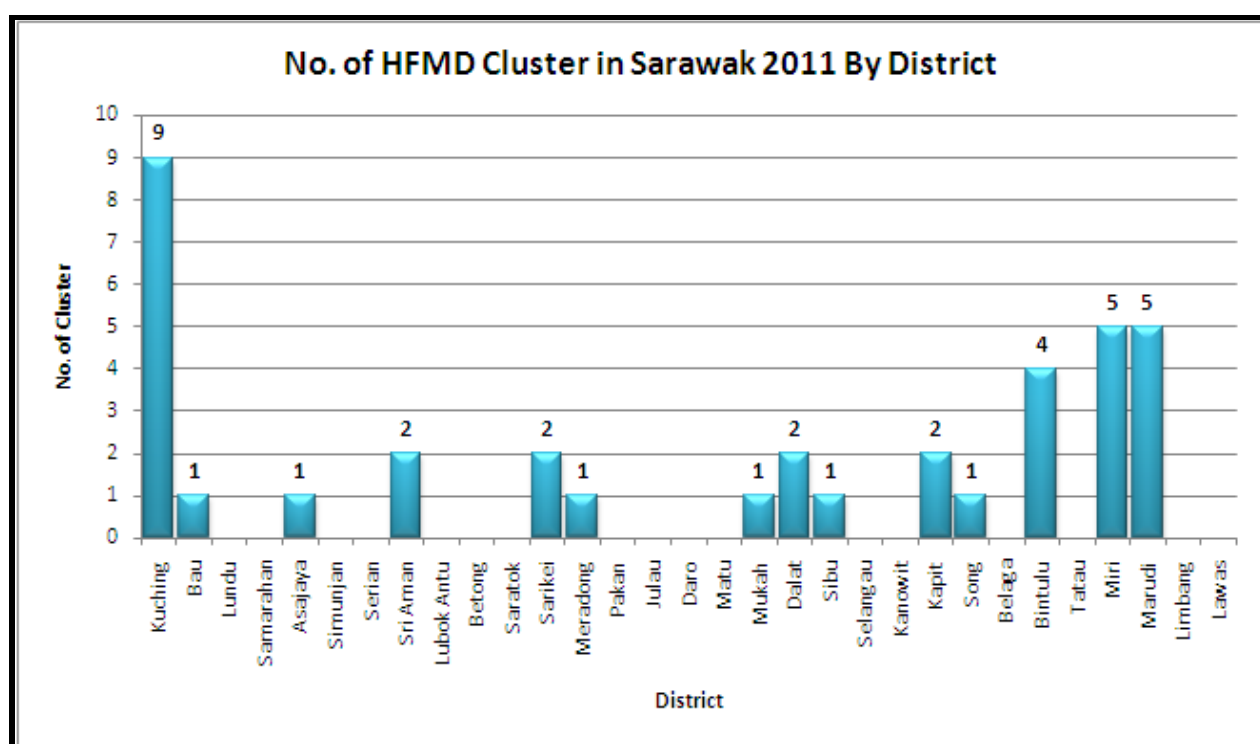
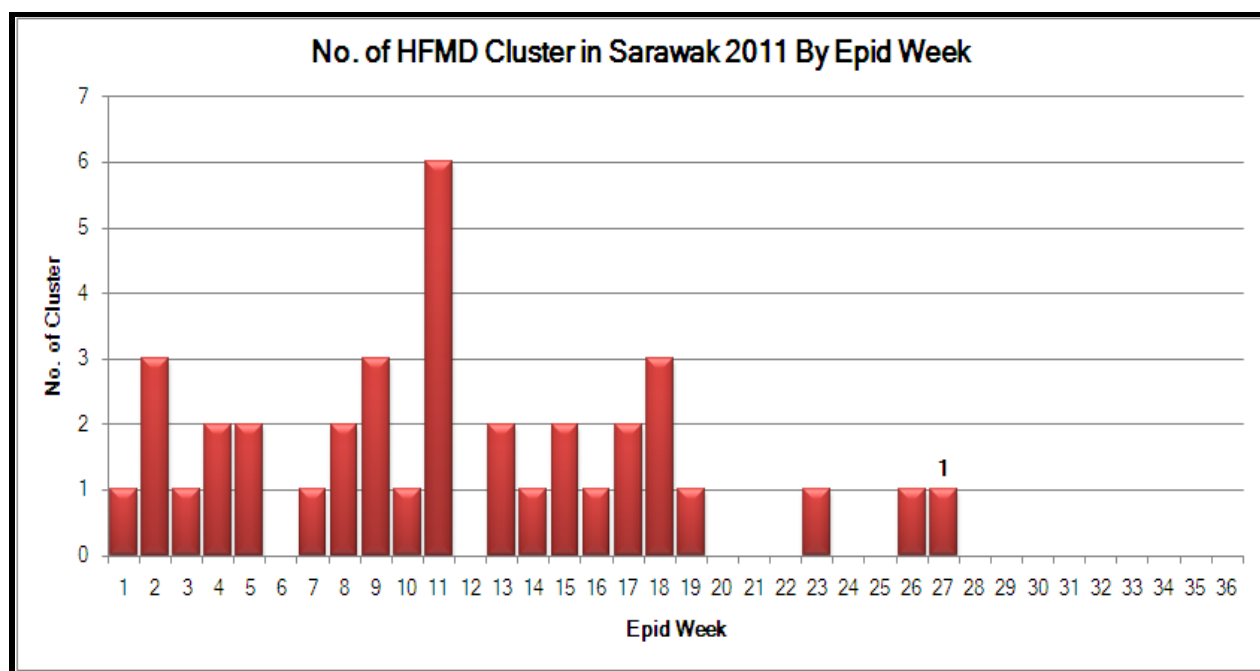


A total of 23 cases were reported in Epid. Week 29, 2011. This was a decrease of two cases from Epid. Week 28, 2011. A cumulative total of 982 cases were reported as compared to 3,822 cases during the same period in 2010.

5.2.1. Cumulative HFMD Clusters as of 23rd July 2011.

No HFMD cluster was reported in Epid. Week 29, 2011.

As at 23rd July 2011, a total of 37 clusters were reported. Of these, 32 (86.5%) were family cluster, three (8.1%) were cluster in kindergarten and two (2.0%) were in school.



5.3. Notified Leptospirosis cases for Epid. Week 29, 2011 compared to Epid. Week 29, 2010 and cumulative cases till Epid. Week 29 in 2011.

District	Case classification (positive)				Total positive leptospirosis	
	Confirmed		Probable		2011	2010
	EW 29/2011	EW 29/2010	EW 29/2011	EW 29/2010		
Lundu	0	0	0	0	0	0
Bau	0	0	0	0	0	1
Kuching	0	0	0	0	7	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	1	0	4	1
Lubok Antu	0	0	1	0	5	3
Betong	0	0	0	0	1	0
Saratok	1	0	0	0	1	0
Sarikei	0	0	0	0	0	1
Meradong	0	0	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	1	0	0	0	2	1
Sibu	0	0	0	0	1	6
Kanowit	0	0	0	0	3	1
Selangau	0	0	0	0	1	0
Song	0	0	0	1	0	2
Kapit	0	0	0	0	3	1
Belaga	1	0	0	0	4	0
Tatau	0	0	0	0	1	0
Bintulu	0	0	0	0	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	3	0	2	1	51	49

Note: 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 29, 2011 compared to Epid. Week 29, 2010 and cumulative cases till Epid. Week 29 in 2011.

District	Blood test result				Total positive	
	Positive				2011	2010
	Culture		Serology			
	EW 29/2011	EW 29/2010	EW 29/2011	EW 29/2010		
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	0	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	1	0	0	0	3
Sibu	0	0	0	2	0	5
Kanowit	0	0	0	0	0	1
Selangau	0	0	0	0	1	6
Song	0	0	0	0	0	7
Kapit	0	0	0	2	15	162
Belaga	0	0	0	0	8	28
Tatau	0	0	0	0	2	14
Bintulu	0	0	0	2	1	49
Miri	0	0	0	0	0	35
Marudi	0	0	0	2	0	7
Limbang	0	0	0	0	0	2
Lawas	0	0	0	0	0	1
Total	0	1	0	8	31	343

Note: 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

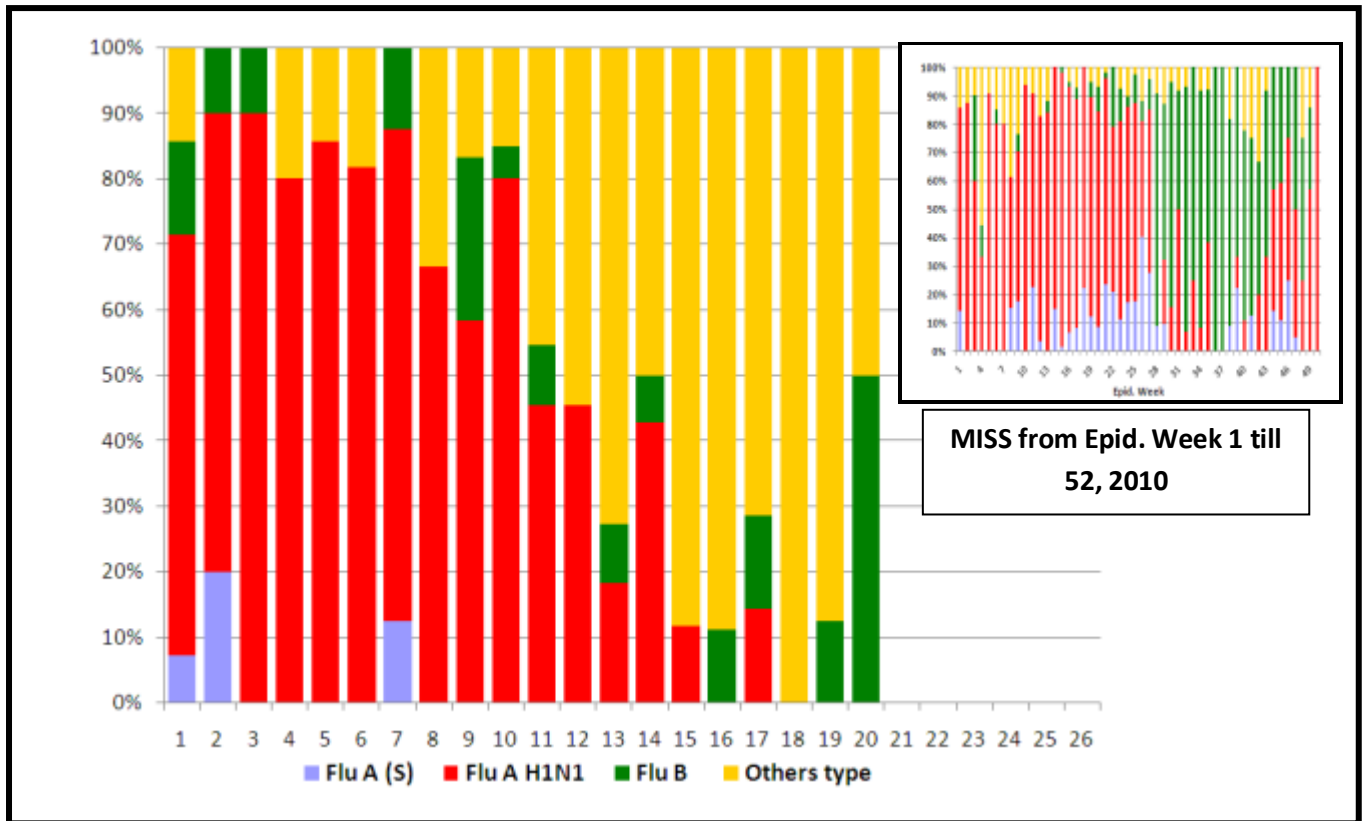
5.4.1. Locality of melioidosis outbreak in Sarawak as at 23rd July 2011.

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

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).

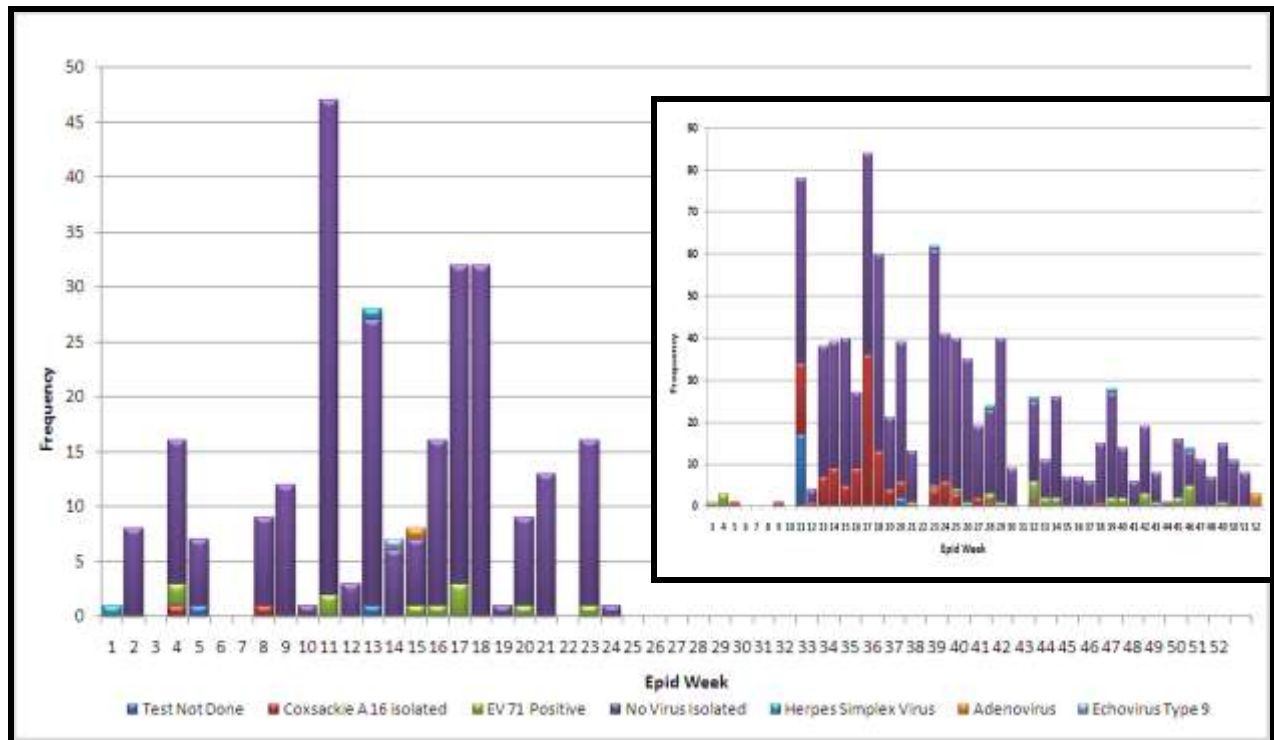
6.2. Laboratory Based Surveillance for Measles in Malaysia

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).

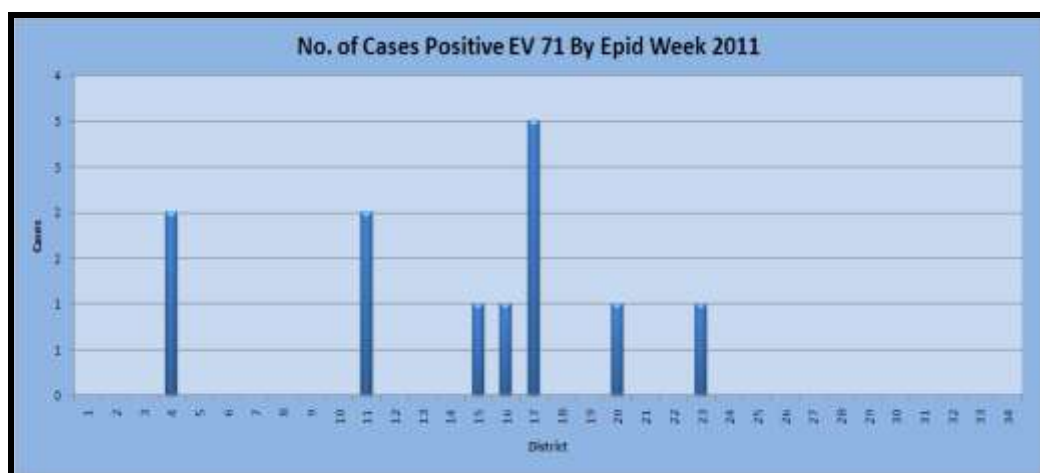
As at Epid Week 25, 2011, Sarawak had sent 110 specimens for serology test. Two specimens positive for measles IgM and 23 positive for rubella IgM. Only ten specimens for measles viral isolation from Sarawak were sent to MKAK Sg. Buloh but all were negative.

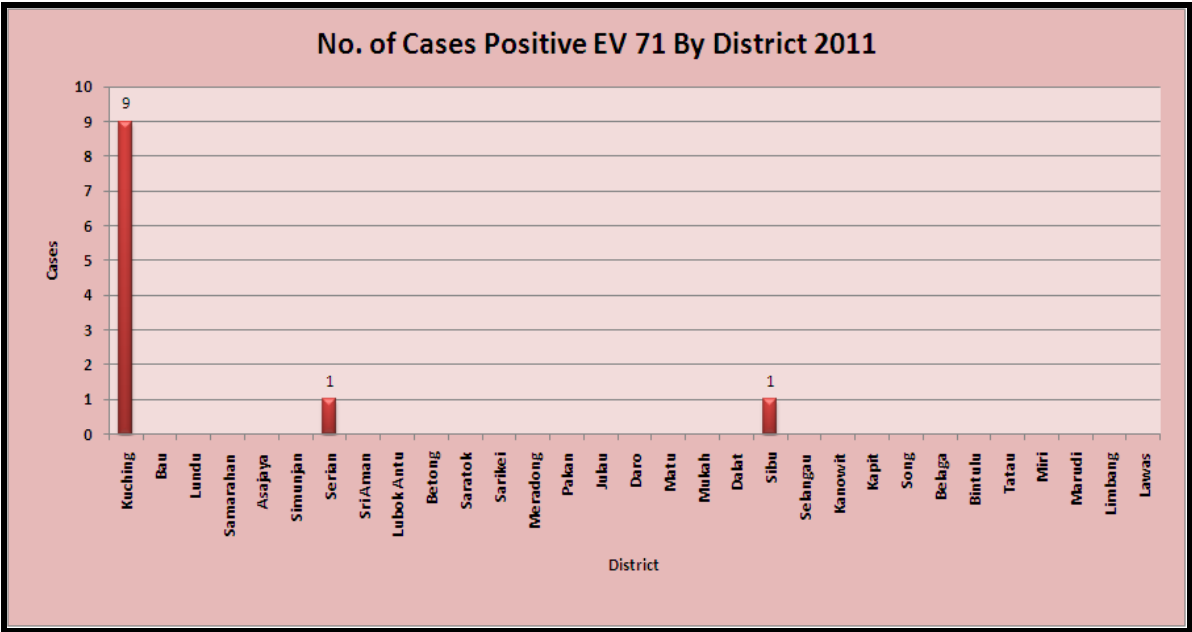
6.3. Laboratory Based Surveillance for HFMD in Sarawak from Epid Week 1 till Epid Week 27, 2011 compared to 2010 (inset).



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 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 23rd 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
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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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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
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11	Pegawai Kesihatan Bahagian Bintulu Dr. Abdul Rahim Bin Abdullah	Pejabat Kesihatan Bahagian, Bahagian Bintulu, Lebuhraya Abang Galau, 97000 Bintulu	dr.abdrahim@moh.gov.my dr.abdrahim@yahoo.com.my	Tel:086-331455 Fax:086-331814 Hp:019-7591956
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