



SARAWAK

WEEKLY EPID NEWS

Sarawak Health Department

WEEK 35

28th AUGUST- 3rd SEPT. 2011

INFECTIOUS DISEASE/CRISIS HIGHLIGHTS IN SARAWAK

In Epid. Week 35, 2011, two family clusters of HFMD were reported from Bintulu and Sri Aman districts.

One suspected measles cluster from Holiday Park, Miri was reported. The cluster involved three Kenyah siblings age of one, three, and six years old. Blood specimens were taken from all cases and still pending for the results. However, from the field investigation, the siblings had no history of travelling elsewhere prior to the illness. They were also had measles vaccination before.

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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	Measles	Miri	Jalan Aru 2B, Holiday Park, Miri	3	29.08.2011
2	HFMD	Bintulu	Jalan Kuini, Lorong 2, Fortune Park, Tanjung Batu, Bintulu	2	29.08.2011
3		Sri Aman	Rh. Nabau, Kpg Temudok, Sri Aman	2	01.09.2011
4	Malaria	Miri	Rh. Ogos, Kpg, Batu Telingai, Miri	2 (P.v.)	02.09.2011
5		Lundu	Kpg. Bentokan, Lundu	2 (P.v.)	02.09.2011
6	Food poisoning	Saratok	Rh. Daud, Bratong, Roban	2	02.09.2011

3. MANDATORY NOTIFIABLE DISEASES REPORTED IN EPID. WEEK 35, 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														
Bau											1																
Kuching	1/0									2	7																2
Samarahan													1														
Asajaya																											
Simunjan																											
Serian											2			1													
Sri Aman																											
L/ Antu													1														1
Betong													2														
Saratok											1																
Sarikei						1					2																
Meradong											1																
Pakan/Julau						2							4														
Daro																											
Matu																											
Dalat																											
Mukah																											
Sibu	1/0					1					2																
Kanowit													1														
Selangau																											
Song													3														
Kapit													2														
Belaga													2														
Tatau													2														
Bintulu						1					6																1
Miri													2	3													
Marudi						3							6														
Limbang						2																					
Lawas																											
TOTAL (Week 35)	2/0	0	0	0	0	10	0	0	0	2	22	0	28	0	4	0	0	0	0	0	0	0	0	0	0	0	4
Total (2011)	76/58	0	0	252	0	682	9	0	931	277	1491	10	1190	29	143	0	0	0	97	1	1147	4	0	94	9	0	71
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	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

Two HIV cases were reported in Epid. Week 35, 2011. The cumulative total HIV cases were 76 and all cases were adults. The cumulative total AIDS cases were 58.

3.1.2. Cholera

No case reported in Epid. Week 35, 2011. A total of 252 cases were from Limbang. There were two outbreak localities i.e. Limbang and Medamit which happened in March 2011. DNA finger printing study showed the organisms were local origin.

3.1.3. Dysentery

No case reported in Epid. Week 35, 2011. The cumulative total of dysentery cases were nine but only one case was confirmed to be *E. histolytica* which was from Simunjan district. The others were negative for microbiological analyses.

3.1.4. Food Poisoning

One mushroom poisoning outbreak from Saratok district was reported in Epid. Week 35, 2011. The cumulative total of food poisoning cases were 989 that consisted of 34 outbreaks. Out of 34 outbreaks, 20 (58.82%) involved schools (9 primary; 11 secondary). SMK Sri Patiambun had three episodes of food poisoning outbreak this year.

3.1.5. Gonorrhoea

Two cases reported in Epid. Week 35, 2011. The cases were from Kuching district. Out of a total of 277 cases reported, 276 were adults and only one was a gonococcal neonatorum.

3.1.6. Leprosy

No case reported in Epid. Week 35, 2011. The cumulative total of leprosy cases were 10, one case was a foreigner and nine were locals. All the cases were detected through active case detection (ACD).

3.1.7. Whooping Cough (pertussis)

No case reported in Epid. Week 35, 2011. Out of the cumulative total of 29 suspected pertussis cases reported in 2011, four cases were confirmed by culture (SGH Kuching: 3; Miri: 1) and one case was confirmed by PCR from Sibu hospital.

3.1.8. Measles

A total of four suspected measles cases were reported in Epid. Week 35, 2011. Three of the cases are Kenyah siblings from Jalan Aru 2B, Holiday Park, Miri involved children age one, three, and six years old presented with fever and rashes.

The fourth case was a 4 years old Bidayuh girl from Serian, diagnosed and notified on 2nd September 2011. This case was yet to be investigated and no clinical information is available.

The cumulative total of suspected measles cases were 143. Of these, only one case was confirmed IgM measles positive; who is a three months old baby girl from Serian district, diagnosed and notified on the 19th February 2011. There was also one case that clinically confirmed; who is a 20 years old Malay male from Marudi district, diagnosed and notified on 11th January 2011. Blood specimen for serology test was taken from the clinically confirmed case but was not sent to MKAK Sungai Buloh.

3.1.9. Syphilis

No case of syphilis was reported in Epid. Week 35, 2011. As on 3rd September 2011, a cumulative total of 94 cases were reported in 2011.

3.1.10. Tetanus

No case reported in Epid. Week 35, 2011. The cumulative total of tetanus case is remained as one. The patient was a 77 years old Chinese man from Kuching district.

3.1.11. Tuberculosis (all forms)

In July 2011, there were 164 confirmed TB cases reported, bringing a cumulative total of 1,147 cases reported in 2011 compared to 1,689 total cases reported in year 2010.

3.1.12. Typhoid and paratyphoid fever

No cases reported in Epid. Week 35, 2011. The cumulative total confirmed typhoid cases were three (two typhoid and one paratyphoid) which were confirmed by stool C&S test (2) and blood C&S (1).

3.1.13. Viral Hepatitis

No Hepatitis B or Hepatitis C case was reported in Epid. Week 35, 2011.

The cumulative total of Viral Hepatitis cases reported was 94. Of these, 46 cases were Hepatitis B where 12 were acute and 34 were chronic. Another 48 cases were Hepatitis C where 16 cases were acute and 32 were chronic.

3.1.14. Viral Encephalitis

No case reported in Epid. Week 35, 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.

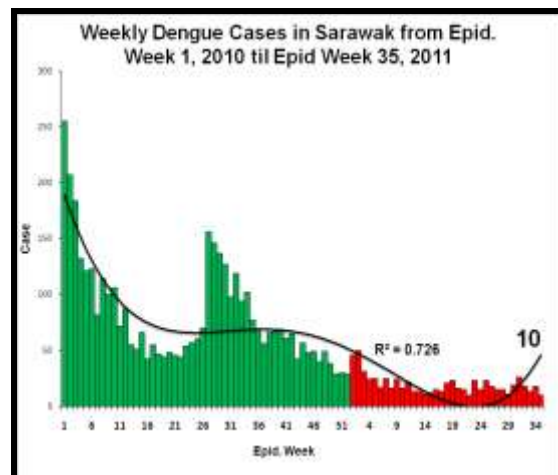
Note: Vector borne diseases and emerging and re-emerging infectious diseases will be discussed in their respective chapter.

4. VECTOR BORNE DISEASES: DENGUE, MALARIA AND CHIKUNGUNYA

4.1. Notified Dengue cases for Epid. Week 35, 2011 compared to Epid. Week 35, 2010 and cumulative cases till Epid. Week 35 in 2010.

District	2011		2010		Total
	EW 35	Cum.	EW 35	Cum.	
Lundu	0	9	2	52	69
Bau	0	19	3	96	123
Kuching	0	77	11	379	473
Samarahan	0	15	0	78	97
Asajaya	0	4	0	9	10
Serian	0	12	3	122	140
Simunjan	0	9	0	41	47
Sri Aman	0	35	7	76	96
Lubok Antu	0	16	2	38	53
Betong	0	10	0	22	30
Saratok	0	5	0	18	20
Sarikei	1	17	0	73	91
Meradong	0	10	0	47	53
Pakan	1	14	1	22	30
Julau	1	12	0	14	20
Daro	0	6	1	64	95
Matu	0	1	0	24	25
Dalat	0	2	1	9	14
Mukah	0	4	2	30	39
Sibu	1	54	20	825	1021
Kanowit	0	22	1	44	64
Selangau	0	7	1	16	32
Song	0	10	0	10	16
Kapit	0	27	5	134	158
Belaga	0	20	1	23	39
Tatau	0	30	0	25	40
Bintulu	1	86	6	182	237
Miri	0	84	10	682	816
Marudi	3	43	0	100	126
Limbang	2	16	0	101	131
Lawas	0	6	0	22	35
Sarawak	10	682	77	3378	4240

EW = Epid. Week



A total of 10 dengue cases were reported in Epid. Week 35 compared to 77 cases during the same period in 2010.

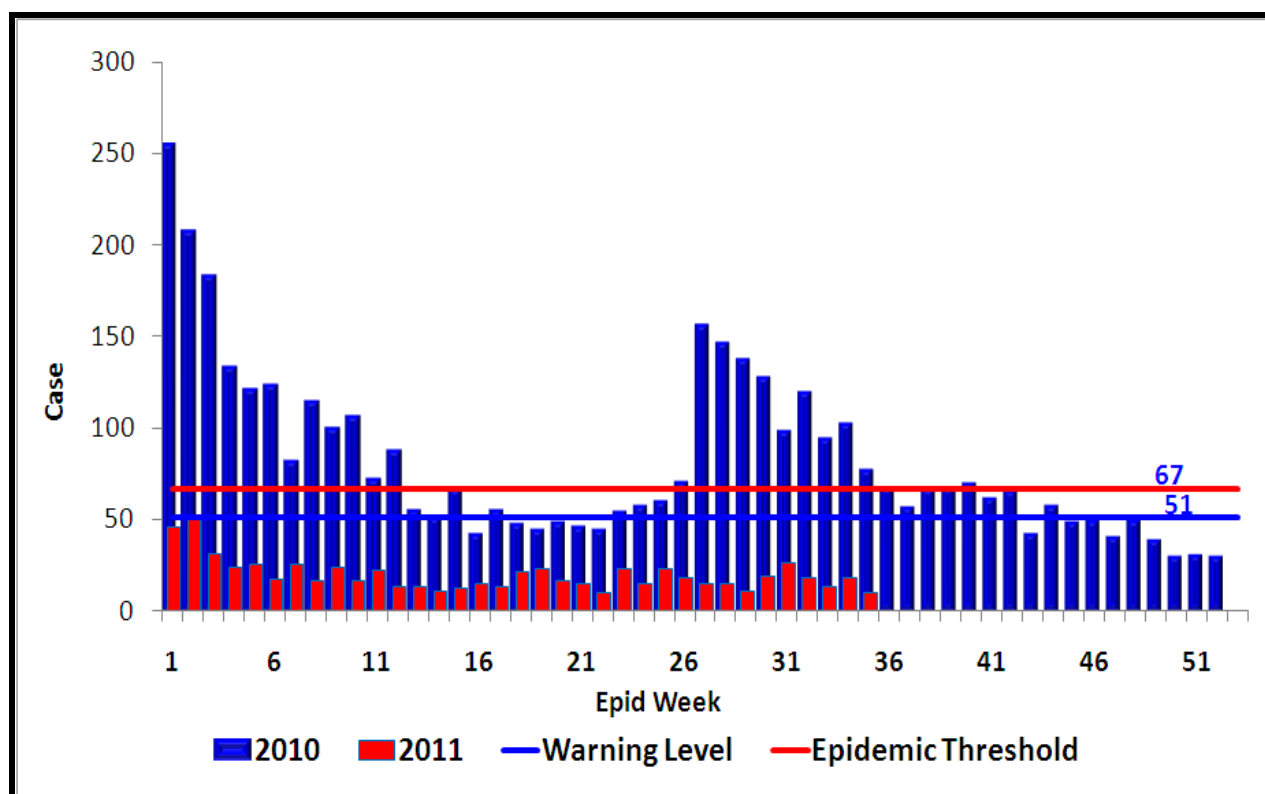
There is a decrease of eight cases from the previous Epid. Week.

One outbreak locality is still active in Sri Aman district. No uncontrolled outbreak was reported.

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

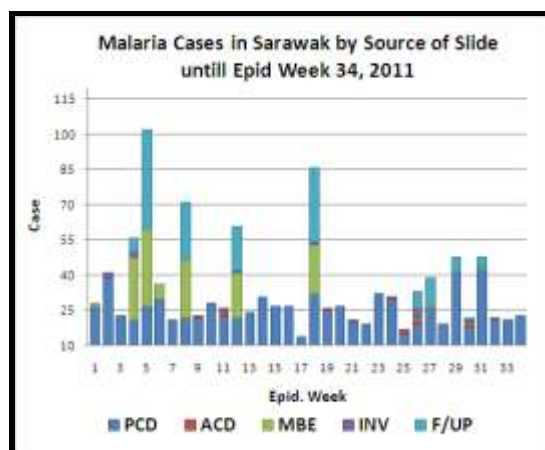
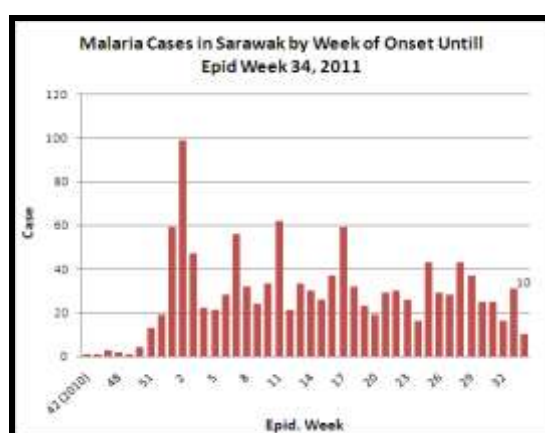
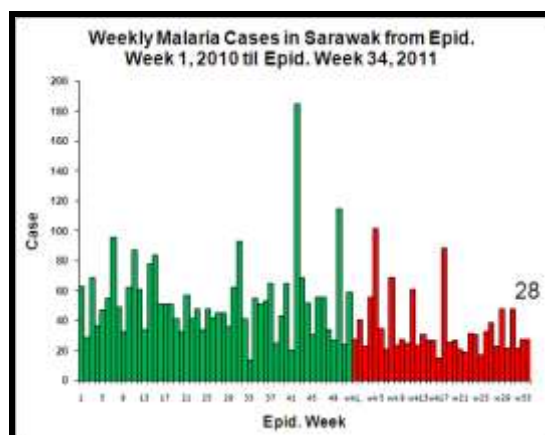
1. Bintulu
2. Miri
3. Kuching
4. Sibu
5. Marudi

4.1.1 Weekly dengue cases showing warning and epidemic level in 2011 compared to 2010.



4.2. Notified Malaria cases for Epid. Week 34, 2011 compared to Epid. Week 34, 2010 and cumulative cases till Epid. Week 34 in 2011.

District	2011		2010		Total
	EW 34	Cum.	EW 34	Cum.	
Lundu	2	27	1	63	72
Bau	0	3	0	8	9
Kuching	0	13	1	16	27
Samarahan	1	3	0	0	2
Asajaya	0	0	0	0	0
Simunjan	0	2	0	16	17
Serian	0	16	0	50	58
Sri Aman	0	9	0	16	25
Lubok Antu	1	14	1	15	16
Betong	2	28	0	8	15
Saratok	0	1	1	4	4
Sarikei	0	15	0	4	8
Meradong	0	8	1	2	3
Pakan	1	17	1	12	14
Julau	3	50	1	23	34
Daro	0	1	0	0	1
Matu	0	0	0	0	1
Dalat	0	8	0	11	14
Mukah	0	2	0	5	6
Sibu	0	27	1	29	43
Kanowit	1	57	1	41	65
Selangau	0	10	0	6	9
Song	3	46	1	31	46
Kapit	2	144	5	83	134
Belaga	2	91	0	239	300
Tatau	2	21	0	9	12
Bintulu	0	30	3	20	39
Miri	2	23	1	18	32
Marudi	6	487	35	991	1734
Limbang	0	12	0	27	29
Lawas	0	25	1	25	33
Sarawak	28	1190	55	1772	2802



A total of 28 cases were reported in Epid. Week 34, 2011. The cumulative cases till Epid. Week 34, 2011 were 1190. Of the 1190 cases, 487 cases (41%) from Marudi district, 144 cases (12.1%) from Kapit district and 91 cases (7.6%) 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. Cases detected by slide source

Slides source	Epid. Week 34	Epid. Week 1 – Epid. Week 34
Passive Case Detection (PCD)	23	860
Active Case Detection (ACD)	3	12
Investigation slides (INV)	0	12
Mass Blood Survey (MBS)	2	153
Follow-up	0	153
Total	28	1190

4.2.2. Cases by species

Species	Epid. Week 34	Epid. Week 1 – Epid. Week 34
<i>Plasmodium vivax</i>	12	280
<i>Plasmodium falciparum</i>	1	62
<i>Plasmodium malariae</i> [#]	5	241
<i>Plasmodium knowlesi</i>	10	204
<i>Plasmodium ovale</i>	0	0
Mixed infection	0	3
Total	28	1190

Notes: # May include *Plasmodium knowlesi*

4.2.3. Cases classification

Classification	Epid. Week 34	Epid. Week 1 – Epid. Week 34
Indigenous	26	926
*Imported A	2	149
Relapsed	0	114
Congenital	0	1
Total	28	1190

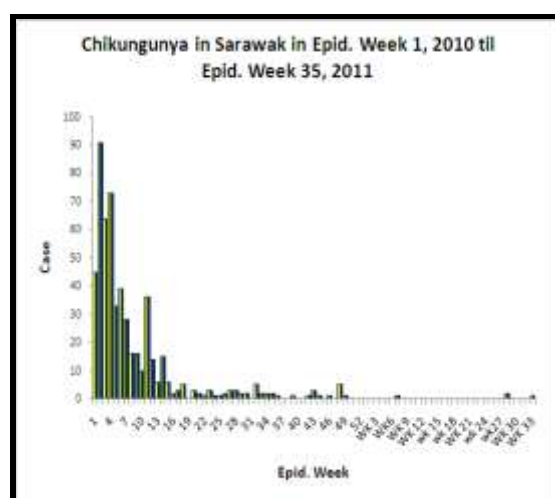
4.2.4. The source of infection of the *Imported A cases and the species involved.

No.	District reported	Source of infection	Case (No)	Species
1	Miri	Papua New Guinea	1	<i>Plasmodium vivax</i>
2	Samarahan	Jagoi Babang, Kalimantan, Indonesia	1	<i>Plasmodium falciparum</i>

4.3. Notified Chikungunya cases for Epid. Week 35, 2011 compared to Epid. Week 35, 2010 and cumulative cases till Epid. Week 35 in 2010.

District	2011		2010		
	EW 35	Cum.	EW 35	Cum.	Total
Lundu	0	0	0	1	1
Bau	0	0	0	11	13
Kuching	0	1	0	72	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	25	25
Pakan	0	0	0	10	10
Julau	0	0	0	22	22
Daro	0	0	1	20	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	60	67
Belaga	0	0	1	77	78
Tatau	0	0	0	6	6
Bintulu	0	0	0	44	44
Miri	0	0	0	13	13
Marudi	0	1	0	0	0
Limbang	0	0	0	0	0
Lawas	0	0	0	0	0
Sarawak	0	4	2	534	550

EW = Epid Week



No case of Chikungunya was reported in Epid. Week 35, 2011. During the same period in 2010, two cases were reported. The cumulative cases of Chikungunya for 2011 remained as 4.

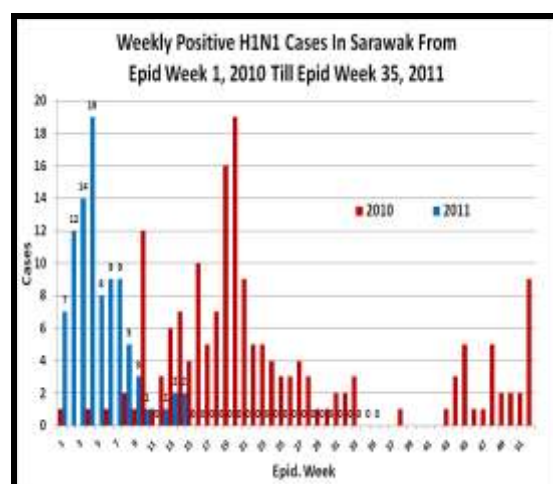
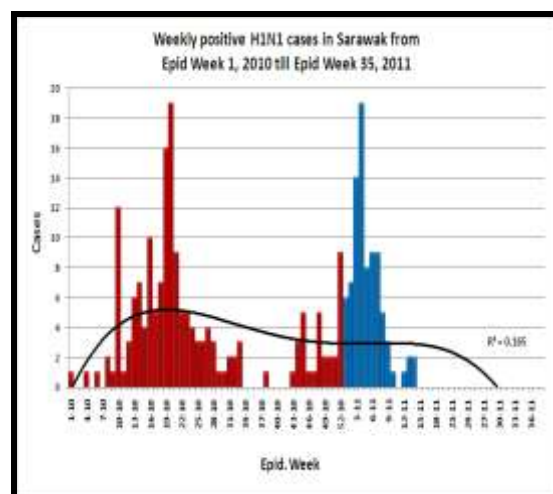
5. EMERGING/RE-EMERGING INFECTIOUS AND ZOO NOTIC DISEASES

5.1. H1N1

5.1.1 Positive Pandemic Influenza A (H1N1) cases for Epid. Week 35, 2011 compared to Epid. Week 35, 2010 and cumulative cases till Epid. Week 35 in 2011.

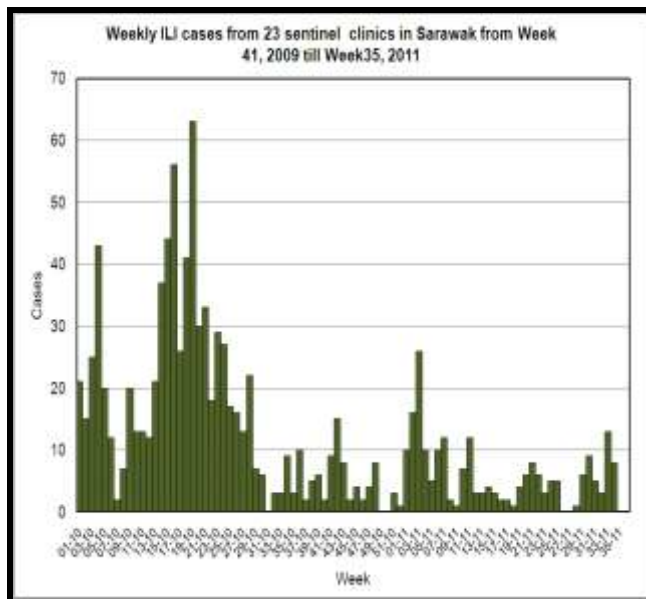
District	2011		2010		Total
	EW 35	Cum.	EW 35	Cum.	
Lundu	0	1	0	8	9
Bau	0	0	0	1	1
Kuching	0	51	0	42	61
Samarahan	0	0	0	8	8
Simunjan	0	0	0	3	4
Serian	0	0	0	2	2
Sri Aman	0	0	0	4	4
Lubok Antu	0	0	0	0	0
Betong	0	1	0	0	0
Saratok	0	0	0	0	0
Sarikei	0	0	0	2	2
Meradong	0	0	0	0	0
Julau	0	0	0	0	0
Daro	0	0	0	0	0
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	16	19
Miri	0	6	0	7	7
Marudi	0	0	0	1	1
Limbang	0	2	0	20	20
Lawas	0	1	0	2	2
TOTAL	0	92	0	137	161

EW = Epid. Week



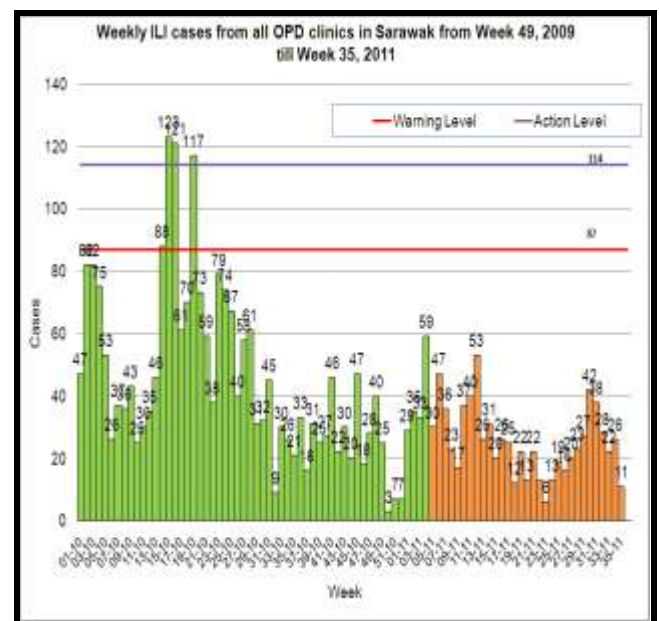
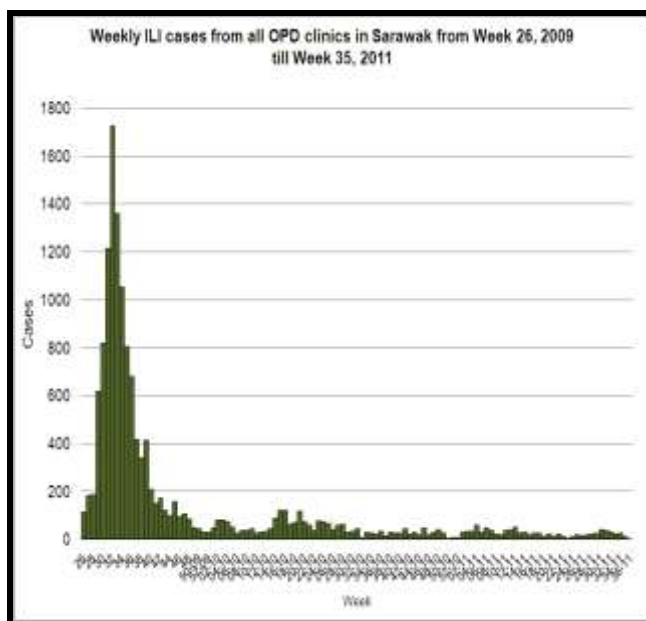
No H1N1 positive case was reported in Epid. Week 35, 2011. The cumulative total cases in 2011 were 92 cases compared to 137 cases during the same period in 2010.

5.1.2 Outpatient Influenza-Like Illness (ILI) Surveillance from Epid. Week 25 in 2009 till Epid. Week 34 in 2011.



In Epid. Week 35, 2011, no ILI case reported from the 23 Sentinel clinics and all OPD clinics. This show 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).



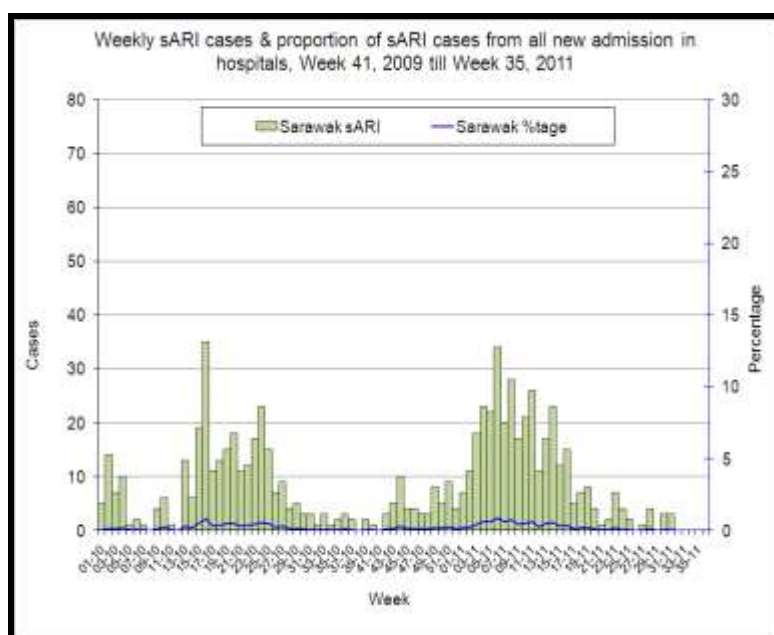
Referring to a letter dated 25 January 2011 from Office of the Deputy Director-General of Health (Public Health), Department of Public Health, Ministry of Health Malaysia about **PEMANTAUAN AKTIVITI H1N1 SECARA BERTERUSAN**, all PKB/PKD must send their daily H1N1 report as well as ILI and sARI surveillance 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 3rd September 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 3rd September 2011.

Division	Hospital	New EW 35	Cumulative 2011	No. of Inpatient			No. of Patient on Ventilator	Throat swabs		
				ICU	ISO	Other wards		Positive	Pending	Negative
Kuching	SGH Kuching	0	161	0	0	0	0	0	0	0
	Bau	0	0	0	0	0	0	0	0	0
	Lundu	0	19	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	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		0	452	0	0	0	0	0	0	0

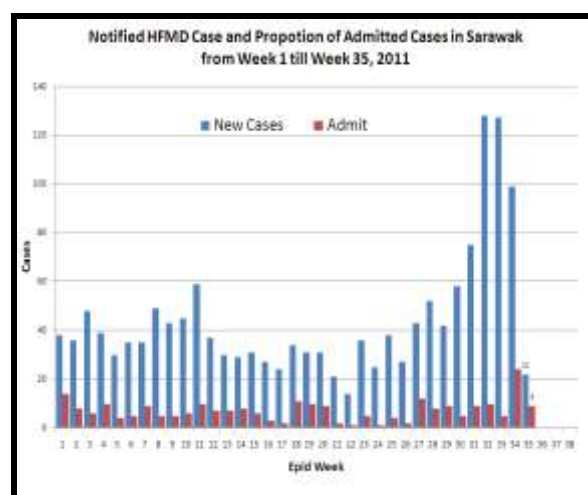
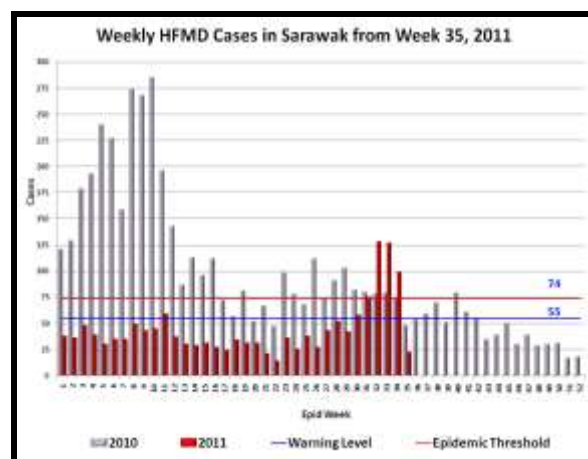
EW = Epid. Week

No sARI admission reported in Epid. Week 35, 2011.

5.2. Notified HFMD cases for Epid. Week 35, 2011 compared to Epid. Week 35, 2010 and cumulative cases till Epid. Week 35 in 2011.

District	2011		2010		Total 2010
	EW 35	Cum.	EW 35	Cum.	
Kuching	7	240	4	868	961
Bau	1	54	0	200	209
Lundu	0	19	0	66	86
KUCHING	8	313	4	1134	1256
Samarahan	0	52	0	125	127
Asajaya	0	23	0	3	7
Simunjan	0	3	3	33	37
Serian	2	15	0	24	25
SAMARAHAN	2	93	3	185	196
Sri Aman	0	56	3	132	145
Lubok Antu	0	10	2	22	23
SRI AMAN	0	66	5	154	168
Betong	0	29	2	73	103
Saratok	1	27	0	38	38
BETONG	1	56	2	111	141
Sarikei	2	111	0	198	206
Meradong	1	29	0	50	55
Pakan	0	4	0	37	37
Julau	0	6	0	21	24
SARIKEI	3	150	0	306	322
Daro	0	0	0	23	24
Matu	0	0	0	19	20
Mukah	0	36	8	234	259
Dalat	0	16	0	105	108
MUKAH	0	52	8	381	411
Sibu	2	74	3	440	517
Selangau	0	5	0	7	17
Kanowit	0	19	0	44	44
SIBU	2	98	3	491	578
Kapit	0	49	0	104	116
Song	0	10	0	26	29
Belaga	0	5	0	10	10
KAPIT	0	64	0	140	155
Bintulu	6	387	5	449	629
Tatau	0	20	0	14	28
BINTULU	6	407	5	463	657
Miri	0	141	15	701	911
Marudi	0	40	2	91	105
MIRI	0	181	17	792	1016
Limbang	0	8	0	54	54
Lawas	0	3	1	52	56
LIMBANG	0	11	1	106	110
SARAWAK	22	1491	48	4263	5010

EW = Epid. Week

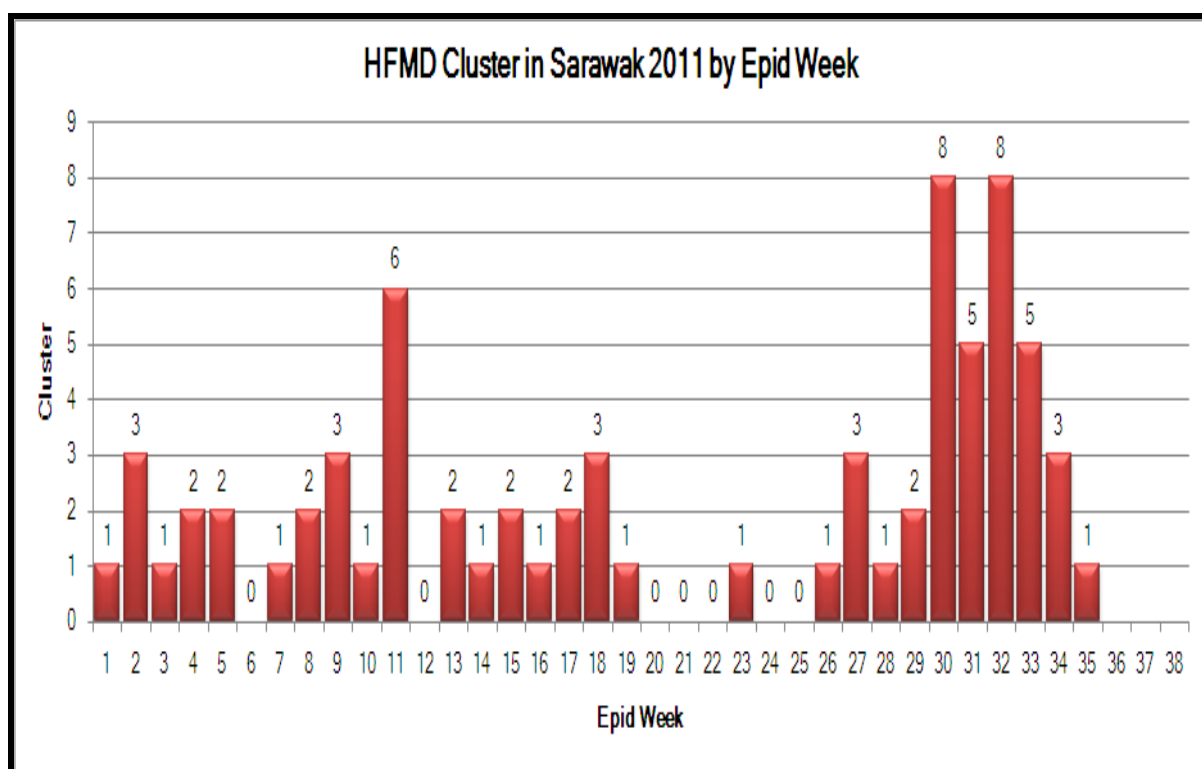
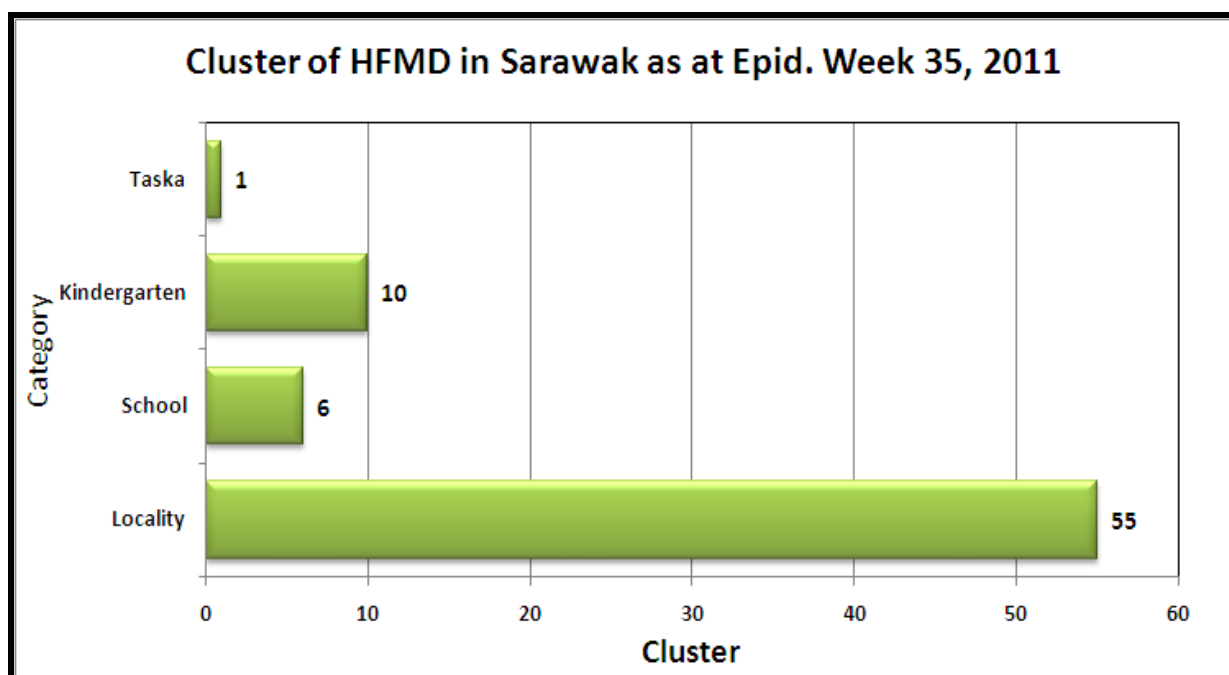


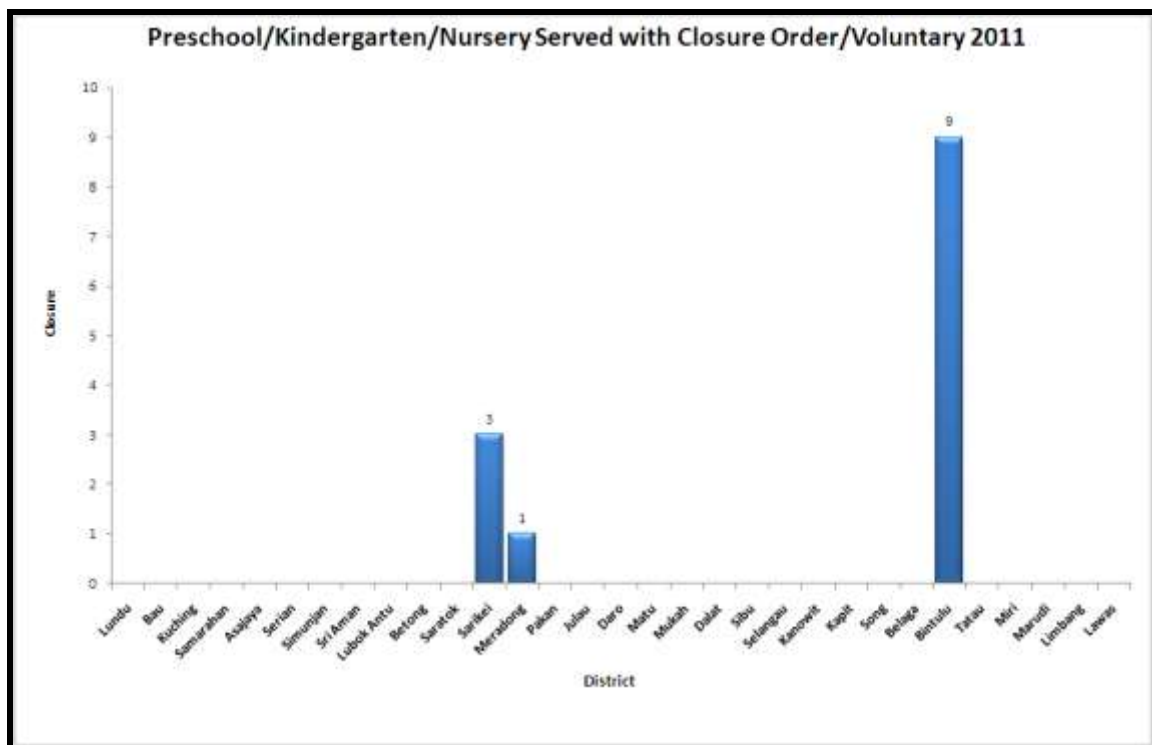
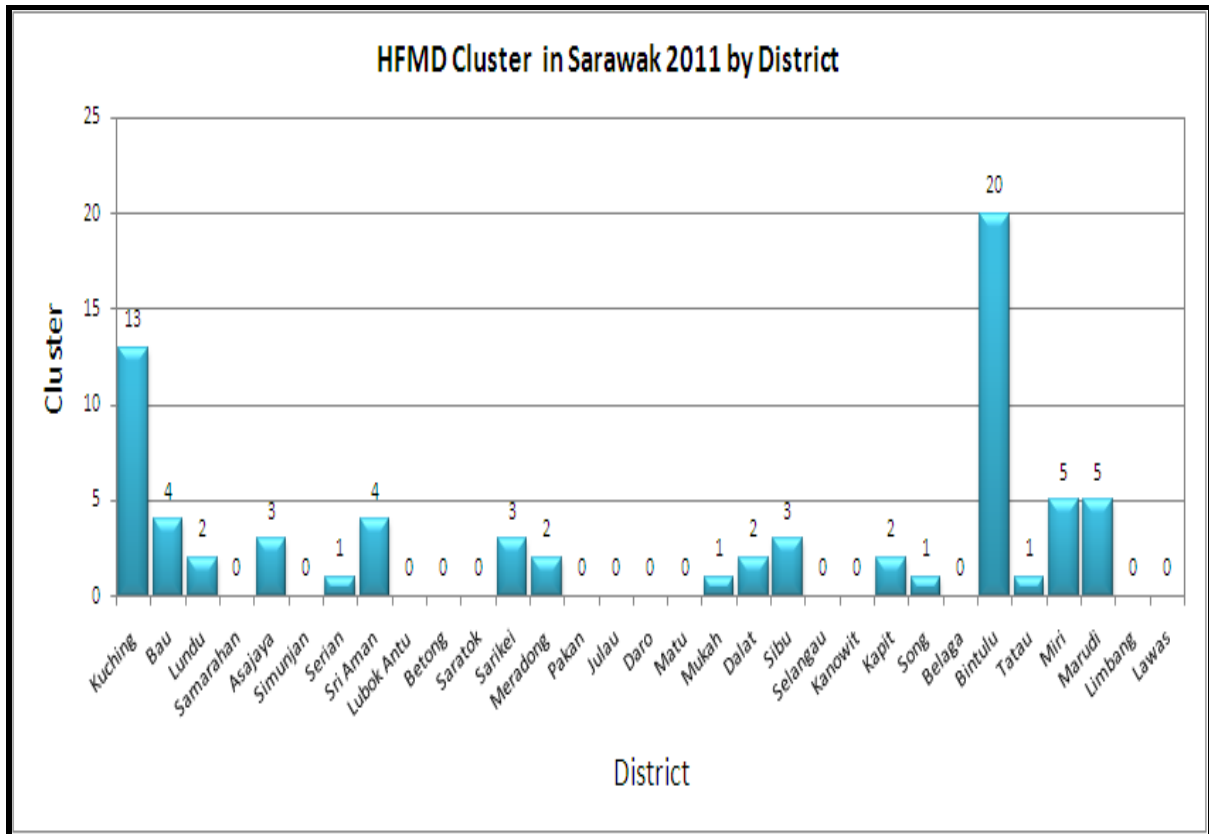
A total of 22 cases reported in Epid. Week 35, 2011. This was a decrease of 77 cases from Epid. Week 34, 2011. A cumulative total of 1,491 HFMD cases reported in 2011 compared to 4,263 cases during the same period in 2010.

5.2.1. Cumulative HFMD Clusters as of 03rd September 2011.

Two HFMD family clusters reported in Epid. Week 35, 2011 from Sri Aman and Bintulu districts.

As at 3rd September 2011, a total of 72 clusters reported. Of these, 55 (76.38%) were family cluster, 10 (13.88%) were cluster in kindergarten, six (8.33%) were in school and one (1.38%) was in Taska or day care centre.





5.3. Notified Leptospirosis cases for Epid. Week 35, 2011 compared to Epid. Week 35, 2010 and cumulative cases till Epid. Week 35 in 2011.

District	Case classification (positive)				Total positive leptospirosis	
	Confirmed		Probable		2011	2010
	EW 35/2011	EW 35/2010	EW 35/2011	EW 35/2010		
Lundu	0	0	0	0	0	0
Bau	0	0	0	0	0	1
Kuching	0	0	2	0	12(1)	12
Samarahan	0	0	0	0	1	1
Asajaya	0	0	0	0	1	0
Serian	0	0	0	0	3	2
Simunjan	0	0	0	0	2	1
Sri Aman	0	0	0	0	7(1)	1
Lubok Antu	0	0	1	0	6	3(1)
Betong	0	0	0	0	3(1)	0
Saratok	0	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	1(1)	1
Dalat	0	0	0	0	0	0
Mukah	0	0	0	0	2	1
Sibu	0	0	0	0	2	6
Kanowit	0	0	0	0	2	1
Selangau	0	0	0	0	2	0
Song	0	0	0	0	0	2
Kapit	0	0	0	0	7	1
Belaga	0	0	0	0	4(1)	0
Tatau	0	0	0	0	1	0
Bintulu	0	0	1(1)	0	5(1)	6
Miri	0	0	0	0	5	3
Marudi	0	0	0	0	1	2
Limbang	0	0	0	0	2(1)	1
Lawas	0	0	0	0	0	0
Total	0	0	4(1)	0	71(7)	49(1)

Note: () death; ELISA = Enzyme-Linked Immunosorbent Assay; MAT = microscopic agglutination test
Total positive = ELISA (probable) + MAT (not included equivocal result)
2011: Number of cases will depend on which Epid. Week results are received

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 35, 2011 compared to Epid. Week 35, 2010 and cumulative cases till Epid. Week 35 in 2011.

District	Blood test result				Total positive	
	Positive				2011	2010
	Culture		Serology			
	EW 35/2011	EW 35/2010	EW 35/2011	EW 35/2010		
Bau	0	0	0	0	0	0
Kuching	0	0	0	0	2	12(1)
Samarahan	0	0	0	0	0	0
Simunjan	0	0	0	0	0	0
Serian	0	0	0	0	1	1(1)
Sri Aman	0	0	0	0	3	0
Lubok Antu	0	0	0	0	1	0
Betong	0	0	0	0	0	2
Saratok	0	0	0	0	0	1(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	2	3(1)
Sibu	0	0	0	0	1	5(1)
Kanowit	0	0	0	0	0	1
Selangau	0	0	0	0	2	6(2)
Song	0	0	0	0	1	7(2)
Kapit	0	0	0	1	42(2)	162(1)
Belaga	0	0	0	1	18(4)	28(1)
Tatau	0	0	0	0	3(1)	14(4)
Bintulu	0	0	0	2	4	49(1)
Miri	0	0	0	0	3(1)	35(1)
Marudi	0	0	1	0	1	7
Limbang	0	0	0	0	0	2
Lawas	0	0	0	0	0	1(1)
Total	0	0	1	4	83(8)	343(18)

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.

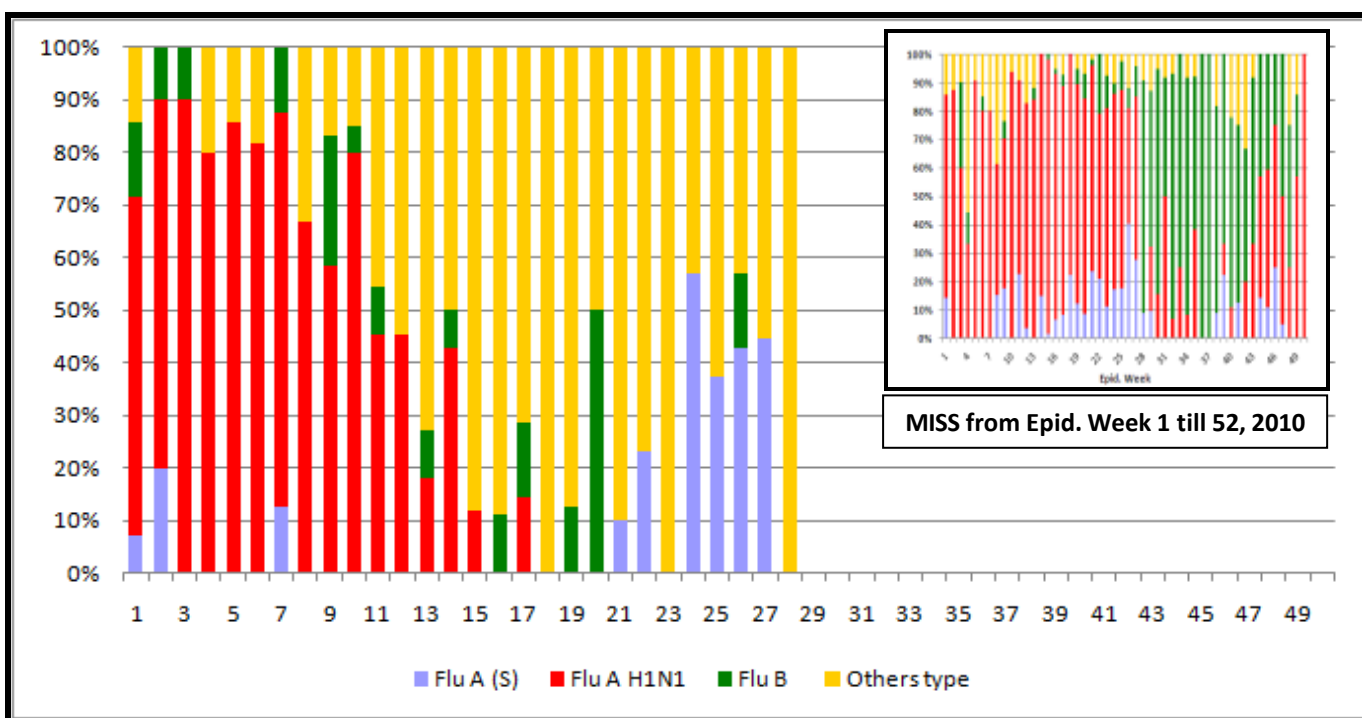
5.4.1. Locality of melioidosis outbreak in Sarawak as at 3rd September 2011.

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 25, 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 29, 2011, a total of 2,194 throat swab specimens were analysed at MKAK Sungai Buloh. Of these, 255 specimens isolated various types of influenza virus i.e. virus Flu A H1N1 (98), Flu A (s) [21], Flu B (20), and other types of virus (116). Other viruses which are under category of others-type: Adenovirus (74), Paramyxovirus (14), RSV (1), Enterovirus (1) and other viruses (26).

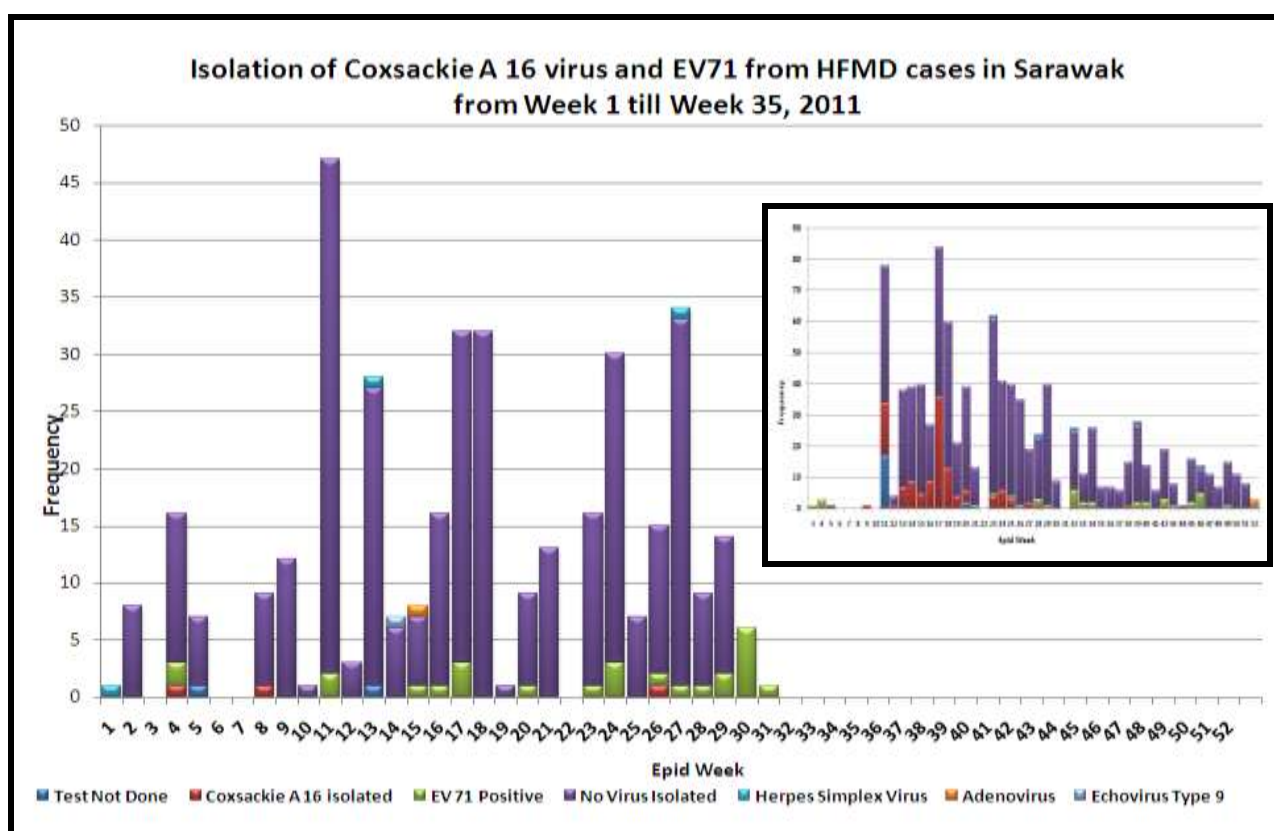
6.2. Laboratory Based Surveillance for Measles in Malaysia

In Malaysia, as at Epid. Week 29, 2011, a total of 2,122 serum specimens for serology test were sent to MKAK Sg. Buloh. Of these, 484 (23.0%) were positive for IgM Measles and 213 (13.2%) positive for Rubella.

A total of 1,931 specimens for viral isolation were sent to MKAK Sg. Buloh. Of these, 158 (7.8%) specimens positive for virus isolation: measles (31); rubella (115); herpes simplex virus 1 (2); and adenovirus (4).

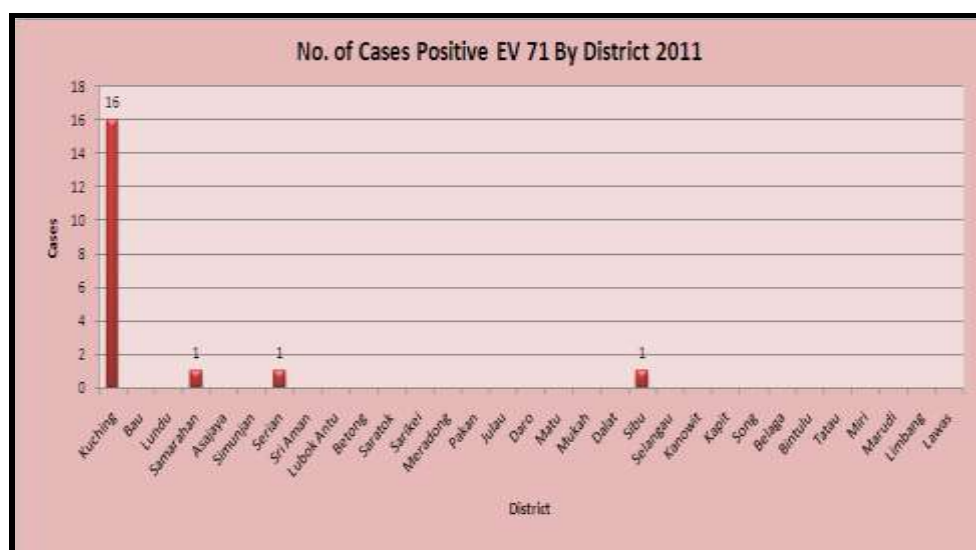
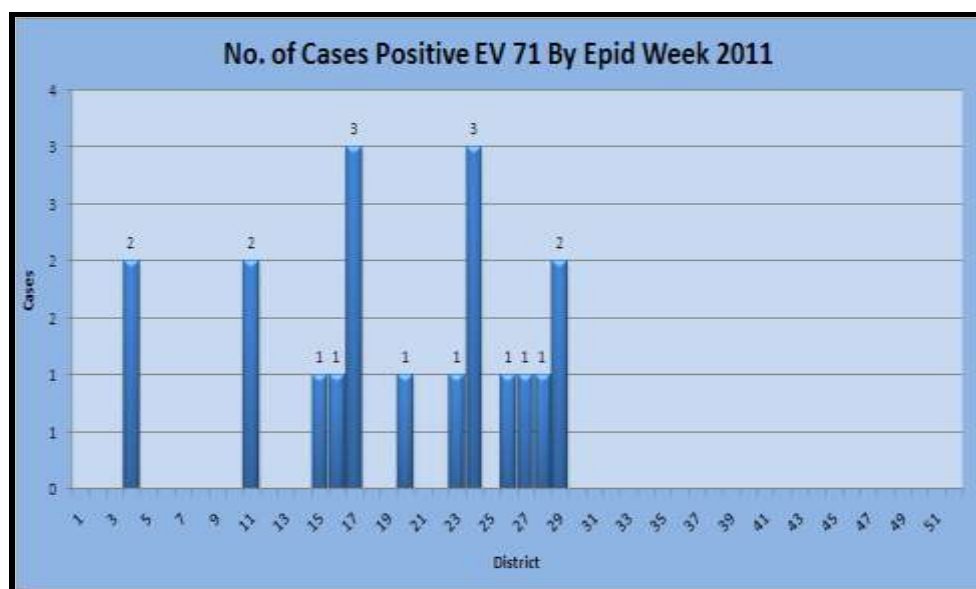
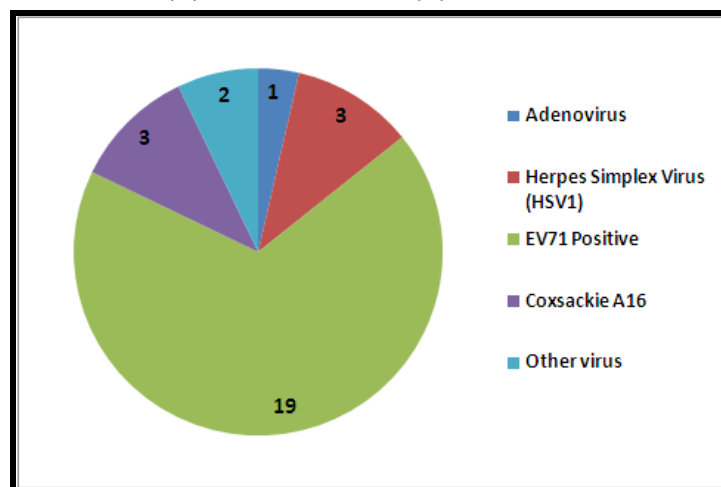
As at Epid Week 29, 2011, Sarawak had sent 136 specimens for serology test. Two specimens positive for measles IgM and 28 positive for rubella IgM. Only 12 specimens for measles viral isolation from Sarawak were sent to MKAK Sg. Buloh but so far none were positive.

6.3. Laboratory Based Surveillance for HFMD in Sarawak from Epid Week 1 till Epid Week 35, 2011 compared to 2010 (inset).



In Malaysia, as at Epid. Week 31, 2011, a total of 1,090 specimens of HFMD were sent to MKAK Sg. Buloh for viral isolation. Out of these, 160 specimens isolated HFMD viruses: EV71 (41), Coxsackie A16 (140), Herpes Simplex (HSV 1) (8) and other viruses (7).

In Sarawak, as at Epid. Week 31, 2011, a total of 443 specimens were sent to MKAK Sg. Buloh for viral isolation. Of these, 28 specimens isolated viruses: EV71 (19), Coxsackie A16 (3), Herpes Simplex (HSV 1) [3], Adenovirus (1) and other virus (2).



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 3rd September 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
5	Pegawai Kesihatan Bahagian Sri Aman Dr. Murnihayati Binti Ali	Pejabat Kesihatan Bahagian, Bahagian Sri Aman, Tingkat 3, Wisma Persekutuan, Jln Hospital, 95007 Sri Aman	murnihayati_ali@yahoo.com	Tel:083-332176 Fax:083-322058 Hp:012-5066751
6	Pegawai Kesihatan Bahagian Betong Dr. Jeffery Stephen	Pejabat Kesihatan Bahagian, Bahagian Betong, KM 2 Jln Betong, 95700 Betong	endena90@yahoo.com stjeffery@srwk.moh.gov.my	Tel:083-472116 Fax:083-471870 Hp:019-8584053
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
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
12	Pegawai Kesihatan Bahagian Miri Dr. Faizul Bin Mansoor	Pejabat Kesihatan Bahagian, Bahagian Miri, Jln Temenggong Oyong Lawai Jau, 98000 Miri	bmfaizul@moh.gov.my	Tel:085-424722 Fax:085-429987 Hp:013-8335504
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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.