

Sarawak Health Department

WEEK 45

6th - 12th NOVEMBER 2011

INFECTIOUS DISEASE/CRISIS HIGHLIGHTS IN SARAWAK

In Epid Week 45, 2011, Sarawak Health Department had received two reports of measles outbreak cluster involved two families at Sri Aman and Miri district and four HFMD clusters.

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CPRC (CRISIS PREPAREDNESS AND RESPONSE CENTRE)

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2. NEW OUTBREAKS/CLUSTERS

| No | Disease | District | Locality | Case (No) | Outbreak declared |
|----|---------|------------|---|-----------|----------------------|
| 1 | | Sri Aman | Logging Camp, Aping | 2 | 11.11.2011 |
| 2 | Measles | Bintulu | Institut Kemahiran Belia Negara, Block G | 2 | 10.11.2011 |
| 3 | | Kapit | # Workshop Jalan Selirik | 2 | 04.11.2011 |
| 4 | | Bintulu | Rh. Merasam Jok, Long Tebila, Tubau | 6 | 05.11.2011 |
| 5 | HFMD | K olo in a | Kampung Muhibbah, Seberang Pending | 2 | 07.11.2011 |
| 6 | | Kuching | * Tadika Cashmere Kid, Jalan Stapok | 13 | 02.11.2011 |

^{*} No report to CPRC, Sarawak Health Department

There were 6 clusters/outbreaks were reported in Epid. Week 45, 2011 to Sarawak Health Department.

[#] Late reporting to CPRC, Sarawak Health Department

3. MANDATORY NOTIFIABLE DISEASES REPORTED IN EPID. WEEK 45, 2011

| District | ***HIV/AIDS | Acute Poliomyelitis | Chancroid | Cholera | Diphteria | *Dengue/DHF | Dysentery | Ebola | Food Poisoning | ***Gonorrhoea | Hand, Foot & Mouth | **Leprosy | *Malaria | Whooping Cough | Measles | Plague | Rabies | Relapsing Fever | ***Syphilis | Tetanus | **Tuberculosis (All forms) | Typhoid & Paratyphoid Fever | Typhus, Scrub | Viral Hepatitis | Viral Encephalitis | Yellow Fever | Leptospirosis |
|--------------------|-------------|---------------------|-----------|---------|-----------|-------------|-----------|-------|----------------|---------------|--------------------|-----------|----------|----------------|---------|--------|--------|-----------------|-------------|---------|----------------------------|--------------------------------|---------------|-----------------|--------------------|--------------|---------------|
| Lundu | | | | | | | | | | | | | 1 | | | | | | | | 1 | | | | | | |
| Bau | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Kuching | 1/1 | | | | | 1 | | | | 4 | | | | | | | | | 1 | | 7 | | | | 1 | | |
| Samarahan | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | |
| Asajaya | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | |
| Simunjan | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | |
| Serian | | | | | | 1 | | | | | | | | | | | | | | | 1 | | | | 1 | | 1 |
| Sri Aman | | | | | | 3 | | | | | | | | | 2 | | | | | | 2 | 1 | | | | | |
| L/ Antu | | | | | | 2 | | | | | | | | | | | | | | | 2 | | | | | | |
| Betong | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | |
| Saratok | | | | | | 2 | | | | | | | | | | | | | | | 2 | | | | | | |
| Sarikei | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Meradong | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pakan/Julau | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | |
| Daro | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Matu | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dalat | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mukah | | | | | | | | | | 1 | | | | | | | | | _ | | 1 | | | | | | |
| Sibu | | | | | | 3 | | | | 1 | | | | | 1 | | | | 2 | | 1 | | | | | | |
| Kanowit | | | \dashv | | | | | | | | | | 3 | | | | | | | | _ | | | | | | 4 |
| Selangau | | | | | | | | | | | | | 1 | | | | | | | | 2 | | | | | | 1 |
| Song Kapit | | | | | | | | | | | | | 1 | | 1 | | | | | | 3 | | | | | | |
| Belaga | | | | | | 1 | | | | | | | 4 | | _ | | | | | | 3 | | | | | | |
| Tatau | | | | | | | | | | | | | • | | | | | | | | | | | | | | |
| Bintulu | | | | | | 1 | | | | | | | | | | | | | | | 2 | | | | | | |
| Miri | | | | | | 1 | | | | | | | 2 | | 4 | | | | | | 4 | | | 1 | | | |
| Marudi | | | | | | 1 | | | | | | | 22 | | | | | | | | 1 | | | | | | |
| Limbang | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | |
| Lawas | | | | | | 3 | | | | | | | | | | | | | | | | | | | | | |
| TOTAL (Week 45) | 1/1 | 0 | 0 | 0 | 0 | 21 | 0 | 0 | 0 | 6 | 0 | 0 | 37 | 0 | 8 | 0 | 0 | 0 | 3 | 0 | 33 | 1 | 0 | 1 | 2 | 0 | 2 |
| Total (2011) | 85/62 | 0 | 0 | 252 | 0 | 851 | 9 | 0 | 1316 | 358 | 2526 | 20 | 1500 | 33 | 247 | 0 | 0 | 0 | 130 | 1 | 1632 | 9 | 0 | 135 | 14 | 0 | 111 |
| 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).

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

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

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

3.1. Surveillance report on food-water borne diseases

3.1.2. Food Poisoning

No food poisoning was notified in Epid. Week 45, 2011.

The cumulative total of food poisoning cases until Epid. Week 45 were remained as 1,316 cases that consist of 52 outbreaks. Out of 52 outbreaks, 26 (50.0%) involved schools (14 primary; 12 secondary).

3.1.3. Cholera

No case reported in Epid. Week 45, 2011.

The cumulative total of 252 cases were from Limbang. There were two outbreak localities at Limbang and Medamit in March 2011. DNA finger printing study showed the organisms were local origin.

3.1.4. Dysentery

No case reported in Epid. Week 45, 2011.

A cumulative total of nine suspected dysentery cases were reported until Epid. Week, 2011, but only two cases were confirmed to be *Ameabic dysentery and Shigellosis*. The others were negative for microbiology analyses.

3.1.5. Typhoid and paratyphoid fever

One case of Paratyphi A was reported in Epid. Week 45, 2011.

The cumulative total confirmed as typhoid cases in year 2011 were five (two typhoid and three paratyphoid) which were confirmed by stool C&S test (2) and blood C&S (3).

3.2. Surveillance report on vaccine preventable diseases

3.2.1. Notified Vaccine Preventable diseases cases for Epid. Week 45, 2011

| Sri Aman 2 Family Cluster - Kem Kayu Balak, Aping Sri Aman C2 4 years old C3 4 years old C4 years old C5 4 years old C6 4 years old C7 4 years old C8 4 years old C8 4 years old C9 5 years old C9 6 years old C9 6 years old C9 6 years old C9 7 years old C9 6 years old C9 7 years old C9 6 years old C9 7 years old C9 7 years old Admitted and notified by Medical Officer Sri Aman Father is a Sarawakian but mother is from Sengk Indonesia. Mother is work as a Clerk at Syarikat Demak Laut while her father is work as a Clerk at Syarikat Laut Aman. This child was no at Aman. This child was no first few cought. Pather is work as a Clerk at Syarikat Laut Aman. This child hand. Aman This child hand. Aman This child hand. Aman This child hand. Aman This child hand. | Kayu Gunung Sg.Aping Sri engkawang On 4/11/2011 started to get O11 and d 2 doses on was given Ind symptoms In. This child Ind off sataying Blood sample is still ital Sibu.Child Isample not |
|--|--|
| C2 4 years old Malay Girl Elder sister of Case 1. Having the same signs an started 2 days later and got admitted to Sri Amar only received imminization up to 3rd. Dose Dtap. immunization given after that. This child was on ar at Sejingkat and back to Sengkawang Indonesia. for serology was taken from both child and result pending. Sibu 1 Lorong 31B, Tunku Abdul Rahman, Sibu C3 1year+ Chinese Girl Seen and notified by Medical Officer (E&T) Hospi presented with rashes first followed by fever. Lab. yet taken. Awaiting for field investigation report. Presented with fever, rashes and cough. Diagnosi | n. This child . No other nd off sataying Blood sample is still ital Sibu.Child . sample not |
| Sibu 1 Tunku Abdul Rahman, Sibu C3 1year+ Chinese Girl presented with rashes first followed by fever. Lab. yet taken. Awaiting for field investigation report. Presented with fever, rashes and cough. Diagnosi | sample not |
| | |
| Measles C4 6years+ Malay Girl notified by Medical Officer at KK Bandar Miri. Stu Kindergarden. Child had received 1 dose of MMR of 1 year old. Investigation was done at the Kindergarden was done at the Kindergarden. Children were having the same sign and symptem of the same symptem of the same symptem o | vaccination at arden but no mptom. No |
| Miri Miri Miri Miri Miri Younger sister of C4. Presented with the same si symptom. This child has received measles vaccir month old in Sabah while father was teacher there was given at 1 year old. Both case has no histor outside the country or contact with other infected Blood sample for serology was taken from both clis still pending. | nation at 6 re and MMR ry of travelling I person. |
| Taman Ceria, Permyjaya,Miri C6 6 month Iban Girl Presented with fever, rash and cough. Seen and result still pending. Still awaiting for field investigation. | gy taken, |
| Desa Murni, Permyjaya C7 11 Iban Boy Presented with fever, rash and coughing. Notified Officer Hospital Miri. Still waiting for field investigation. | |
| Kapit 1 Taman Ixora, Jalan Selirik C8 3 years old Iban Girl Presented with fever,rash and cough. Admitted to Hospital. This child was not given MMR vaccinations sample taken, result still pending. Attend Taska Control other children having the same sign and symptom Father working in Offshore Singapore. Came back 13/09/2011 to 5/10/2011. No history of visiting to control of the c | on.Blood Chung Hua. No n at the taska. k on |
| Hepatis B Miri 1 Acute Case Hospital Miri HB 1 38 years old Chinese Male No Lab result, no clinical presentation stated. | |
| Hepatitis C No case | |
| Whooping Cough No case | |
| Difteria No case | |
| Polio No case Tetanus No case | |

3.2.2. Total Reported Vaccine Preventable Diseases Cases by Division from Epid Week 1 until Epid. Week 45, 2011

| | | | | | | TYI | PES OF | DISEAS | ES | | | | | |
|-----------|---------|---------|-----------------------|----------------------|---------|---------|---------|---------|---------|--------------------------|-------|----------------------|-------|---------|
| 5 | Difte | eria | Mea | sles | Po | lio | Teta | nus | Whoopin | g Cough | Нера | atis B | Нера | atis c |
| Division | Suspect | Confirm | Suspect (Notified) | Confirm | Suspect | Confirm | Suspect | Confirm | Suspect | Confirm | Acute | Chronic | Acute | Chronic |
| KUCHING | 0 | 0 | 62 | 5 | 0 | 0 | 0 | 1 | 25 | 5 (2 PCR,3 Culture | 2 | 28 (Kch 22,Bau | 2 | 20 |
| SAMARAHAN | 0 | 0 | 16 | 3 | 0 | 0 | 0 | 0 | 1 | 1 (PCR) | 5 | 1 | 1 | 0 |
| SRI AMAN | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 |
| BETONG | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 0 |
| SARIKEI | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SIBU | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 2 | 1 (PCR) | 1 | 0 | 0 | 0 |
| KAPIT | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MUKAH | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| BINTULU | 0 | 0 | 11 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 |
| MIRI | 0 | 0 | 120 | 5 (1 clinical) | 0 | 0 | 0 | 0 | 5 | 1 (Culture) | 12 | 12 | 12 | 30 |
| LIMBANG | 0 | 0 | 23 | 5 (All fr. Lawas) | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| SARAWAK | 0 | 0 | 247 | 19 | 0 | 0 | 0 | 0 | 33 | 7 | 26 | 43 | 16 | 50 |

3.2.3 Measles Measles (data derived from SM2)

A total of 8 suspected measles cases were reported in Epid. Week 45, 2011. Four cases reported from Miri, two cases from Sri Aman and one case each from Sibu and Kapit district.

3.2.3.1 Measles Igm Positive Case Summary From Epid. Week 1 until Epid. Week 45, 2011

| NO | Division | Distrist | Address | Name | Age (By Yr) | Age (By mth) | Gender | Race | Negeri Asal | Keputusan Makmal IgM Measles | Immunization Status | Remark |
|----|-----------|-----------|---|------|----------------|-----------------|-----------|------------|----------------|---------------------------------------|---------------------------------|---|
| 1 | Samarahan | Serian | Kampung Mentu Tapu, Serian | MC1 | | 3 | Lelaki | Bidayuh | Sarawak | POSITIVE | Not Eligible | Lab Confirmed |
| 2 | Samarahan | Samarahan | 3 WKSP Brigade, Kem Penrissen Batu 8 Jalan Kuching Serian | MC2 | | 11 | Perempuan | Malay | Sarawak | POSITIVE | Not Eligible | Lab Confirmed |
| 3 | Kuching | Kuching | No.39, Lorong 3, Kitang Height, Jalan Kuching Bau, Kuching | МСЗ | 1 | | Lelaki | Pakistani | Pakistan | POSITIVE | Given 1 dose - post measles | Lab Confirmed |
| 4 | Kuching | Kuching | B4-1-3, Haatana Apartment Demak Laut, Jalan Bako, Kuching | MC4 | | 5 | Perempuan | Malay | Sarawak | POSITIVE | Not Eligible | Lab Confirmed |
| 5 | Miri | Miri | SPAD Ladang 2, Sg.Tangit, Bekenu Miri | MC5 | | 7 | Perempuan | Melanau | Sarawak | POSITIVE | Not Eligible | Lab Confirmed |
| 6 | Miri | Miri | S/L 1388-1390, Blok 3, MCLD Piasau Miri | MC6 | 39 | | Lelaki | Chinese | Sarawak | POSITIVE | Unknown | Lab Confirmed |
| 7 | Bintulu | Bintulu | Kuarters Pekerja Hup Sen Fertilizer, Kidurong Bintulu | MC7 | | 9 | Lelaki | Iban | Sarawak | POSITIVE | Not Eligible | Lab Confirmed |
| 8 | Kuching | Kuching | No.11, Lorong 16, Blok C Kampung Haji baki, Kuching | MC8 | 1 | | Lelaki | Malay | Sarawak | POSITIVE | Given 1 dose | Vaccine Related Onset 1 week after vaccination |
| 9 | MIRI | Miri | RPR Jaya Taman Permai Miri | MC9 | | 4 | Perempuan | lban | Sarawak | POSITIVE | Not Eligible | Lab Confirmed |
| 10 | Kuching | Kuching | No.17, Jalan Patinggi Ali Barat, Kampung No.4, Jalan Abell, Kuching | MC10 | 27 | | Perempuan | Indonesian | Indonesia | POSITIVE | Unknown | Coming to Kuching to visit relatives |
| 11 | Kuching | Kuching | No.222, Lot 2574, Lorong B3, Kampung Tunku Kuching | MC11 | | 8 | Perempuan | Melayu | Sarawak | POSITIVE | Not Eligible | Lab Confirmed |
| 12 | Samarahan | Samarahan | Kem Penrissen Batu Lapan, Jalan Kuching Serian | MC12 | 5 | | Lelaki | Iban | Sarawak | POSITIVE | Not Sure-Can't Find U-7 card | Lab Confirmed |
| 13 | Miri | Miri | Shoplot CM2, Jalan Kwan Tung Miri | MC13 | 1 | | Perempuan | lban | Sarawak | POSITIVE | Not yet given | Lab Confirmed |
| 14 | Limbang | Lawas | Ladang Sawit Merapok | MC14 | 2 | | Lelaki | Indonesian | Indonesia | POSITIVE | No Immunization | Lab Confirmed |
| 15 | Limbang | Lawas | Ladang Sawit Merapok | MC15 | 22 | | Perempuan | Indonesian | Indonesia | POSITIVE | No Immunization | Lab Confirmed |
| 16 | Limbang | Lawas | Ladang Sawit Merapok | MC16 | 4 | | Perempuan | Indonesian | Indonesia | POSITIVE | No Immunization | Lab Confirmed |
| 17 | Limbang | Lawas | Ladang Sawit Merapok | MC17 | 2 | | Perempuan | Indonesian | Indonesia | POSITIVE | No Immunization | Lab Confirmed |
| 18 | Limbang | Lawas | Ladang Sawit Merapok | MC18 | | 10 | Lelaki | Indonesian | Indonesia | POSITIVE | No Immunization | Lab Confirmed |
| 19 | Samarahan | Samarahan | Kpg Kuap Mealyu | MC19 | 28 | | Lelaki | Malay | Sarawak | POSITIVE | Unknown | Case notified after Lab result |
| 20 | Kuching | Kuching | No.237, lot 2221, Lorong Sungai Maong 5, Green Road, Kuching | MC20 | 1 | | Lelaki | Chinese | Sarawak | POSITIVE | ? Not Given YET | Lab investigation done and confirmed IgM positive by Gribbles Lab |

3.2.3.2. Measles Clinically Confirmed Case Summary From Epid. Week 1 until Epid. Week 45, 2011

| NO | Division | Distrist | Address | Name | Age (By Yr) | Age (By mth) | Gender | Race | Negeri Asal | Keputusan Makmal IgM Measles | Immunization Status | Remark |
|----|----------|----------|---------------------------------------|------|----------------|-----------------|--------|-------|----------------|---------------------------------------|------------------------|----------------------|
| 1 | Miri | Marudi | Lot 214, Kampung Pemindahan Marudi | CC1 | 20 | | Male | Malay | Sarawak | No Lab sample | Not Sure | Clinically Confirmed |

Note: Clinically confirmed case: Case with interval of fever and rash onset of 3 days or more with either cough, coryza or conjunctivities

The cumulative total of suspected measles cases was 247. Of these, 19 cases were confirmed by positive IgM measles. There was also one clinically confirmed case.

3.2.4. Whooping Cough

No case was reported in Epid. Week 45, 2011.

Out of the cumulative total of 33 suspected pertussis cases reported in 2011, four cases were confirmed by culture (SGH Kuching: 3; Miri: 1) and four cases confirmed by PCR.

3.2.4.1. Whooping Cough Confirmed Case Summary from Epid. Week 1 until Epid. Week 45, 2011

| No | Division | District | Address | Age (By | Age (By | Gender | Race | PCR | Blood Culture | Immun | ization St | atus | Remark |
|-----|-----------|-----------|---|------------|------------|--------|---------|----------|------------------|-----------|-------------|----------|--------------------------------------|
| 110 | Biviolon | District | | Month | Day) | Gender | Nucc | Result | Result | 1st.Dose | 2nd.Dos | 3rd.Dos | |
| 1 | KUCHING | KUCHING | Rh. Sewa, jalan Malindor, Before SMK Tun Openg, Bintawa Kuching | 5 | | Male | Malay | | Positive | 22/12/11 | 24/01/11 | 23/02/11 | Received 3rd dose after diagnosis |
| 2 | KUCHING | KUCHING | 7G, Kampung Segubang, Batu Kawa, Kuching | 1 | | Male | Bidayuh | | Positive | N | ot Eligible | | |
| 3 | MIRI | MIRI | Sanchiew Plantation Niah, Miri | 2 | | Male | Malay | | Positive | N | ot Eligible | | |
| 4 | KUCHING | KUCHING | No.94, Kampung Kudei, Jalan Rubber, Kuching | 1 | | Male | Malay | | Positive | N | ot Eligible | | |
| 5 | SIBU | SIBU | Kuarters Kelab Golf Sibu, Blok 2, Batu 101/2 Jalan Oya, Sibu | 5 | | Male | Malay | Positive | | l | Jnknown | | Late Notification |
| 6 | SAMARAHAN | SAMARAHAN | No.5611, Lot 37, Phase 20, Taman Desa Ilmu Kota Samarahan | 2 | | Male | Malay | Positive | | 13/07/11 | | | |
| 7 | KUCHING | KUCHING | Kampung Sibobok Bau | | 21 | Female | Bidayuh | Positive | | N | ot Eligible | | |
| 8 | KUCHING | KUCHING | Lot 2707, Jalan Sg.Apong, Kuching | 3 | | Female | Malay | Positive | | 9/12/2011 | | | Onset 21 days after 1st.Dtap |

3.2.5. Tetanus

No case reported in Epid. Week 45, 2011.

The cumulative total of tetanus case is remained as one. The patient was a 77 years old Chinese man from Kuching district.

3.2.6. Viral Hepatitis

One new case of Acute Hepatitis B was reported in Epid. Week 45, 2011 from Hospital Miri.

The cumulative total of viral hepatitis cases were 135. Of these, 69 cases were Hepatitis B where 26 were acute and 43 were chronic. Another 66 cases were Hepatitis C where 16 cases were acute and 50 were chronic.

3.3. Surveillance report on HIV/AIDS and STI

3.3.1. HIV/AIDS

One HIV case and one AIDS case was reported in Epid. Week 45, 2011 from Kuching district.

The cumulative total HIV cases were 85 and all were adults. The cumulative total AIDS cases were remained as 62.

3.3.2. Gonorrhoea

Six new gonorrhoea cases were reported in Epid. Week 45, 2011. Four cases reported from Kuching district and one case each from Mukah and Sibu district.

Out of the cumulative total of 350 cases reported, 348 were adults and only two cases confirmed as gonococcal neonatorum.

3.3.3. Syphilis

Three new cases were reported in Epid. Week 45, 2011 from Kuching (1 case) and Sibu (2 cases) district.

The cumulative total of syphilis cases were 130.

3.4. Surveillance Report on TB and leprosy

3.4.1. Tuberculosis (all forms)

32 new cases were reported in Epid. Week 45, 2011 bringing a cumulative total of 1,632 cases reported in 2011. In 2010, the total number of cases was 1,987. Out of 1,632 cases reported in 2011, 85 (5.21%) are foreigners. Four cases were among healthcare workers.

As at 31st October 2011, a cumulative total of 81 death cases due to tuberculosis were reported.

3.4.2. Leprosy

As at 22th October 2011, a cumulative total of 20 leprosy cases reported. One case was foreigner and nineteen were locals. All the cases were detected through active case detection (ACD).

3.5. Surveillance Report on other infectious diseases

3.5.1. Viral encephalitis

Two cases of Japanese Encephalitis were reported in Epid. Week 45, 2011. One (13yrs/M/Chinese) case was from Taman Duranda Mas, Batu 18, Siburan, Kuching and the other case was (11yrs/M/Iban) from Kpg. Palie, Serian.

The cumulative total of viral encephalitis cases were 14. Of these, four cases were confirmed *Japanese encephalitis* and ten were due to other viruses.

3.6. Other infectious diseases

3.6.1. Filariasis

No case of Filariasis was reported in Epid. Week 45, 2011.

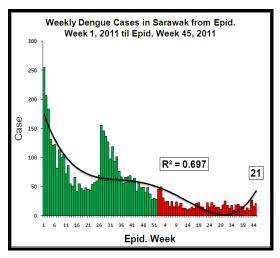
Total cases for Filariasis reported up to Epid. Week 45, 2011 were six.

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 45, 2011 compared to Epid. Week 45, 2010 and cumulative cases till Epid. Week 45 in 2010.

| | 20 | 11 | | 2010 | |
|------------|-------|------|-------|------|-------|
| District | EW 45 | Cum. | EW 45 | Cum. | Total |
| Lundu | 0 | 10 | 1 | 63 | 69 |
| Bau | 0 | 26 | 0 | 116 | 123 |
| Kuching | 1 | 97 | 4 | 441 | 473 |
| Samarahan | 0 | 20 | 1 | 93 | 97 |
| Asajaya | 0 | 4 | 0 | 10 | 10 |
| Serian | 1 | 17 | 1 | 135 | 140 |
| Simunjan | 0 | 13 | 0 | 43 | 47 |
| Sri Aman | 3 | 48 | 0 | 89 | 96 |
| Lubok Antu | 2 | 23 | 0 | 45 | 53 |
| Betong | 0 | 11 | 0 | 24 | 30 |
| Saratok | 2 | 9 | 1 | 20 | 20 |
| Sarikei | 0 | 24 | 1 | 87 | 91 |
| Meradong | 0 | 12 | 1 | 51 | 53 |
| Pakan | 1 | 19 | 0 | 27 | 30 |
| Julau | 0 | 14 | 1 | 19 | 20 |
| Daro | 0 | 6 | 2 | 85 | 95 |
| Matu | 0 | 1 | 0 | 25 | 25 |
| Dalat | 0 | 3 | 0 | 10 | 14 |
| Mukah | 0 | 5 | 1 | 36 | 39 |
| Sibu | 3 | 67 | 8 | 975 | 1021 |
| Kanowit | 0 | 30 | 0 | 59 | 64 |
| Selangau | 0 | 9 | 3 | 27 | 32 |
| Song | 0 | 10 | 0 | 14 | 16 |
| Kapit | 0 | 27 | 4 | 156 | 158 |
| Belaga | 1 | 25 | 0 | 32 | 39 |
| Tatau | 0 | 35 | 1 | 30 | 40 |
| Bintulu | 1 | 94 | 4 | 222 | 237 |
| Miri | 1 | 110 | 11 | 780 | 816 |
| Marudi | 1 | 54 | 2 | 119 | 126 |
| Limbang | 1 | 19 | 1 | 120 | 131 |
| Lawas | 3 | 9 | 0 | 23 | 35 |
| Sarawak | 21 | 851 | 48 | 3976 | 4240 |



In 2011, a total of 21 dengue cases were reported for Epid. Week 45 as compared to 48 cases during the same period in 2010.

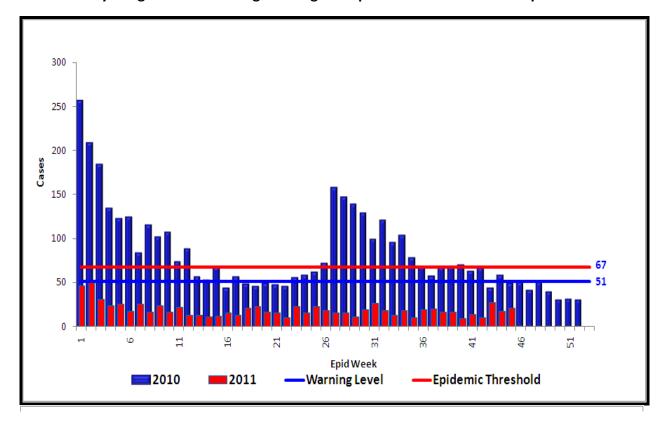
One outbreak locality is still active in Miri. No uncontrolled outbreak is reported.

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

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

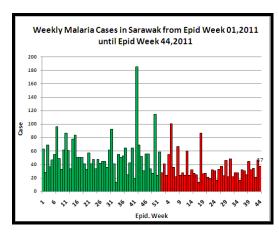
EW = Epid. Week

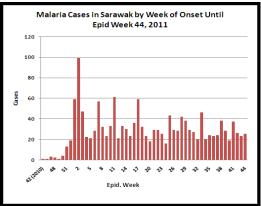
4.1.1 Weekly dengue cases showing warning and epidemic level in 2011 compared to 2010.

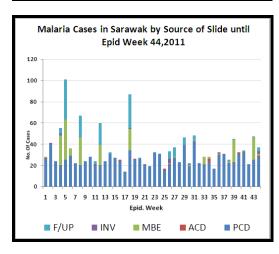


4.2. Notified Malaria cases for Epid. Week 44, 2011 compared to Epid. Week 44, 2010 and cumulative cases till Epid. Week 44 in 2011.

| | 20 | 11 | | 2010 | |
|------------|-------|------|-------|------|-------|
| District | EW 44 | Cum. | EW 44 | Cum. | Total |
| Lundu | 1 | 30 | 1 | 70 | 72 |
| Bau | 0 | 4 | 1 | 9 | 9 |
| Kuching | 0 | 22 | 0 | 23 | 27 |
| Samarahan | 0 | 3 | 0 | 1 | 2 |
| Asajaya | 1 | 1 | 0 | 0 | 0 |
| Serian | 0 | 20 | 0 | 57 | 58 |
| Simunjan | 0 | 2 | 0 | 17 | 17 |
| Sri Aman | 0 | 15 | 2 | 21 | 25 |
| Lubok Antu | 0 | 20 | 0 | 16 | 16 |
| Betong | 1 | 37 | 1 | 11 | 15 |
| Saratok | 0 | 3 | 0 | 4 | 4 |
| Sarikei | 0 | 15 | 0 | 6 | 8 |
| Meradong | 0 | 9 | 0 | 3 | 3 |
| Pakan | 0 | 22 | 0 | 14 | 14 |
| Julau | 0 | 62 | 0 | 27 | 34 |
| Daro | 0 | 1 | 0 | 0 | 1 |
| Matu | 0 | 0 | 0 | 0 | 1 |
| Dalat | 0 | 8 | 0 | 13 | 14 |
| Mukah | 0 | 2 | 0 | 5 | 6 |
| Sibu | 0 | 36 | 0 | 33 | 43 |
| Kanowit | 3 | 73 | 1 | 59 | 65 |
| Selangau | 1 | 15 | 0 | 8 | 9 |
| Song | 1 | 59 | 2 | 39 | 46 |
| Kapit | 1 | 191 | 4 | 114 | 134 |
| Belaga | 4 | 114 | 0 | 269 | 300 |
| Tatau | 0 | 28 | 0 | 12 | 12 |
| Bintulu | 0 | 37 | 0 | 28 | 39 |
| Miri | 2 | 33 | 0 | 27 | 32 |
| Marudi | 22 | 594 | 40 | 1456 | 1734 |
| Limbang | 0 | 17 | 0 | 27 | 29 |
| Lawas | 0 | 27 | 0 | 31 | 33 |
| Sarawak | 37 | 1500 | 52 | 2400 | 2802 |







A total of 37 cases were reported in Epid. Week 44, 2011. Cummulative cases till Epid. Week 44 were 1500 cases. Of the 1500 cases, 594 cases (39.6%) from Marudi District, 191 cases (13%) from Kapit District and 114 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. Case detected by slide source

| Slides source | Epid. Week 44 | Epid. Week 1 – Epid. Week 44 |
|------------------------------|---------------|------------------------------|
| Passive Case Detection (PCD) | 28 | 1114 |
| Active Case Detection (ACD) | 1 | 14 |
| Investigation slides (INV) | 2 | 15 |
| Mass Blood Survey (MBS) | 2 | 199 |
| Follow-up | 4 | 158 |
| Total | 37 | 1500 |

4.2.2. Case by species

| Species | Epid. Week 44 | Epid.Week 1 – Epid. Week 44 |
|-----------------------|---------------|-----------------------------|
| Plasmodium vivax | 27 | 846 |
| Plasmodium falciparum | 1 | 79 |
| Plasmodium malariae | 4 | 281 |
| Plasmodium knowlesi | 5 | 288 |
| Plasmodium ovale | 0 | 1 |
| Mixed infection | 0 | 5 |
| Total | 37 | 1500 |

4.2.3. Case classification

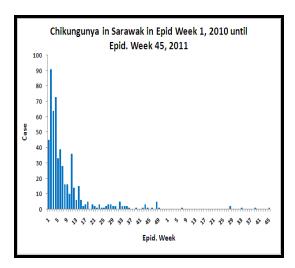
| Classification | Epid. Week 44 | Epid. Week 1 – Epid. Week 44 | |
|----------------|---------------|------------------------------|--|
| Indigenous | 34 | 1301 | |
| *Imported A | 3 | 197 | |
| Relapsed | 0 | 1 | |
| Congenital | 0 | 1 | |
| Total | 37 | 1500 | |

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

| No. | District reported | Source of infection | Nationality | Age | Gender | Address in Sarawak | Species |
|-----|-------------------|--|-------------|-----|--------|---|---------------|
| 1 | Miri | DS Majang Tengah RT46/07 Dampit, Indonesia | Indonesian | 35 | Male | Taman Luak, Miri | P. vivax |
| 2 | Asajaya | Lodja, Congo | Malaysian | 30 | Male | Kampong Moyan, Asajaya | P. falciparum |
| 3 | Marudi | Sambas, Kalimantan Barat, Indonesia | Indonesian | 19 | Male | Amazing Green Plantation, Tinjar, Marudi | P. vivax |

4.3. Notified Chikungunya cases for Epid. Week 45, 2011 compared to Epid. Week 45, 2010 and cumulative cases till Epid. Week 45 in 2010.

| | 20 | 11 | | 2010 | |
|------------|-------|------|-------|------|-------|
| District | EW 45 | Cum. | EW 45 | Cum. | Total |
| Lundu | 0 | 0 | 0 | 1 | 1 |
| Bau | 0 | 0 | 0 | 13 | 13 |
| Kuching | 0 | 1 | 0 | 72 | 72 |
| Samarahan | 0 | 0 | 0 | 3 | 3 |
| Asajaya | 0 | 1 | 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 | 12 | 13 |
| Saratok | 0 | 0 | 0 | 8 | 8 |
| Sarikei | 0 | 0 | 0 | 7 | 7 |
| Meradong | 0 | 0 | 0 | 25 | 25 |
| Pakan | 0 | 0 | 0 | 10 | 10 |
| Julau | 0 | 0 | 0 | 22 | 22 |
| Daro | 1 | 1 | 0 | 21 | 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 | 62 | 67 |
| Belaga | 0 | 0 | 0 | 78 | 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 | 1 | 6 | 0 | 543 | 550 |



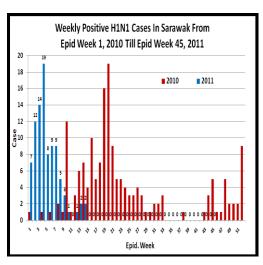
One case of Chikungunya was reported in Epid. Week 45, 2011. During the same period in 2010, no case was reported. The cumulative cases of Chikungunya for 2011 were six cases.

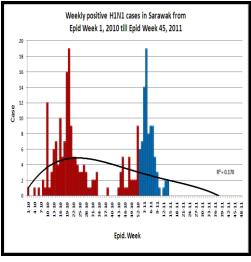
EW = Epid Week

5. EMERGING/RE-EMERGING INFECTIOUS AND ZOONOTIC DISEASES

5.1. H1N15.1.1 Positive Pandemic Influenza A (H1N1) cases for Epid. Week 45, 2011 compared to Epid.Week 45, 2010 and cumulative cases till Epid. Week 45 in 2011.

| | 20 | 11 | | 2010 | |
|------------|-------|------|-------|------|-------|
| District | EW 45 | Cum. | EW 45 | Cum. | Total |
| Lundu | 0 | 1 | 0 | 8 | 9 |
| Bau | 0 | 0 | 0 | 1 | 1 |
| Kuching | 0 | 51 | 5 | 51 | 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 | 21 | 20 |
| Lawas | 0 | 1 | 0 | 2 | 2 |
| TOTAL | 0 | 92 | 5 | 147 | 161 |

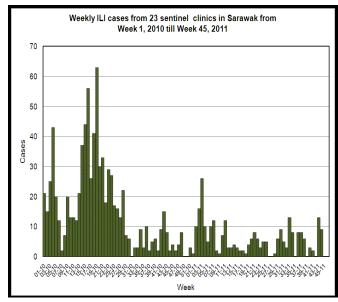




No H1N1 positive case was reported in Epid. Week 45, 2011. Five cases were reported during the same Epid. Week last year. The cumulative total cases in 2011 were 92 cases compared to 147 cases reported during the same period in 2010.

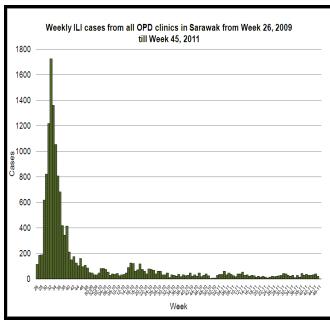
EW = Epid. Week

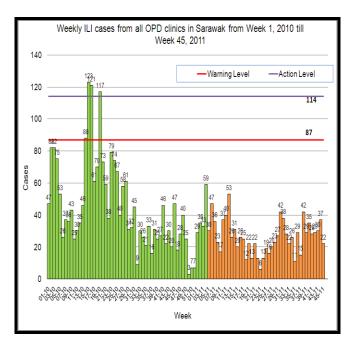
5.1.2 Outpatient Influenza-Like Illness (ILI) Surveillance from Epid. Week 1 in 2010 till Epid. Week 45 in 2011.



In Epid. Week 45, 2011, No ILI case was reported from 23 Sentinel clinics and all OPD clinics.

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





Referring to a letter dated 25 January 2011 from Office of the Deputy Director-General of Health (Public Health), Department of Public Health, Ministry of Health Malaysia about *PEMANTAUAN AKTIVITI H1N1 SECARA BERTERUSAN*, all PKB/PKDs 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**.

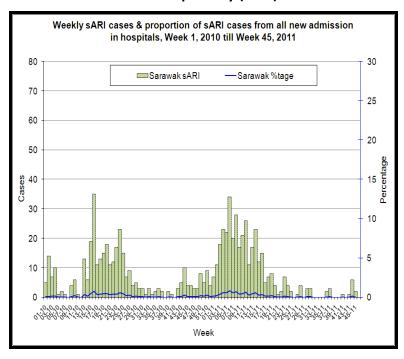
5.1.3. New and Cumulative ILI Clusters as of 12th November 2011.

| 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 | 1 | 1 |
| Sibu | 0 | 0 | 0 | 0 |
| Kapit | 0 | 0 | 0 | 0 |
| Bintulu | *1 | 0 | 1 | 2 |
| Miri | 0 | 1 | 0 | 1 |
| Limbang | 1 | **1 | 0 | 1 |
| TOTAL | 2 | 16 | 5 | 21 |

Note: 1. First cluster in 2011 was detected on 31/12/2010 and the latest was on 03/11/2011.

2. * results: pending; ** positive Influenza A (seasonal)

5.1.4. Severe Acute Respiratory (sARI) Infection Cases



sARI is suspected when:

- meets ILI case definition (sudden onset of fever > 38°C and cough or sore throat in the absence of other diagnosis, AND
- shortness of breath or difficulty of breathing, AND
- 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 12th November 2011.

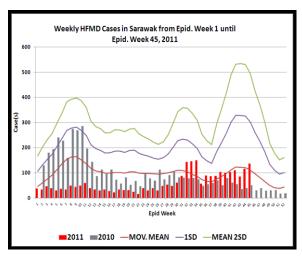
| | | | Cumulative | ı | lo. of Ir | patient | No. of | Throat | swabs | |
|---------------|-------------|-----------|------------|-----|-----------|-------------|--------------------------|----------|---------|----------|
| Division | Hospital | New EW 45 | 2011 | ICU | ISO | Other wards | Patient on Ventilator | Positive | Pending | Negative |
| | SGH Kuching | 3 | 168 | 1 | 2 | 0 | 1 | 0 | 0 | 3 |
| | Bau | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Kuching | 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 |
| Salliarariari | 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 |
| betong | Saratok | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Sarikei | Sarikei | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Sibu | Sibu | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Sibu | Kanowit | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Mukah | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mukah | 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 | 249 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Miri | Miri | 0 | 16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| IVIIII | Marudi | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Limbona | Limbang | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Limbang | Lawas | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| To | otal | 3 | 471 | 1 | 2 | 0 | 1 | 0 | 0 | 3 |

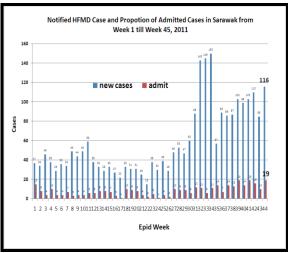
EW = Epid. Week

Three sARI admissions were reported in Epid. Week 45, 2011 from SGH Kuching. All specimens were negative for Influenza A H1N1.

5.2. Notified HFMD cases for Epid. Week 45, 2011 compared to Epid. Week 45, 2010 and cumulative cases till Epid. Week 45 in 2011.

| | 20 | 11 | 2010 | | |
|------------|-------|------|-------|------|------------|
| District | EW 45 | Cum | EW 45 | Cum. | Total 2010 |
| Kuching | 56 | 527 | 6 | 938 | 961 |
| Bau | 8 | 89 | 0 | 209 | 209 |
| Lundu | 0 | 24 | 1 | 79 | 86 |
| KUCHING | 64 | 640 | 7 | 1226 | 1256 |
| Samarahan | 4 | 118 | 0 | 126 | 127 |
| Asajaya | 1 | 27 | 0 | 6 | 7 |
| Simunjan | 0 | 19 | 0 | 36 | 37 |
| Serian | 1 | 29 | 0 | 25 | 25 |
| SAMARAHAN | 6 | 193 | 0 | 193 | 196 |
| Sri Aman | 2 | 93 | 1 | 143 | 145 |
| Lubok Antu | 1 | 15 | 0 | 23 | 23 |
| SRI AMAN | 3 | 108 | 1 | 166 | 168 |
| Betong | 0 | 47 | 2 | 89 | 103 |
| Saratok | 1 | 35 | 0 | 38 | 38 |
| BETONG | 1 | 82 | 2 | 127 | 141 |
| Sarikei | 7 | 176 | 1 | 201 | 206 |
| Meradong | 0 | 73 | 0 | 54 | 55 |
| Pakan | 0 | 6 | 0 | 37 | 37 |
| Julau | 0 | 31 | 0 | 23 | 24 |
| SARIKEI | 7 | 286 | 1 | 315 | 322 |
| Daro | 0 | 6 | 0 | 24 | 24 |
| Matu | 0 | 2 | 1 | 20 | 20 |
| Mukah | 4 | 67 | 4 | 255 | 259 |
| Dalat | 1 | 23 | 0 | 108 | 108 |
| MUKAH | 5 | 98 | 5 | 407 | 411 |
| Sibu | 6 | 128 | 4 | 500 | 517 |
| Selangau | 0 | 6 | 0 | 12 | 17 |
| Kanowit | 0 | 22 | 0 | 44 | 44 |
| SIBU | 6 | 156 | 4 | 556 | 578 |
| Kapit | 2 | 52 | 1 | 114 | 116 |
| Song | 0 | 11 | 0 | 29 | 29 |
| Belaga | 0 | 48 | 0 | 10 | 10 |
| KAPIT | 2 | 111 | 1 | 153 | 155 |
| Bintulu | 16 | 663 | 5 | 574 | 629 |
| Tatau | 0 | 25 | 1 | 22 | 28 |
| BINTULU | 16 | 688 | 6 | 596 | 657 |
| Miri | 22 | 242 | 18 | 868 | 911 |
| Marudi | 0 | 47 | 3 | 100 | 105 |
| MIRI | 22 | 289 | 21 | 968 | 1016 |
| Limbang | 5 | 59 | 0 | 54 | 54 |
| Lawas | 0 | 4 | 2 | 55 | 56 |
| LIMBANG | 5 | 63 | 2 | 109 | 110 |
| SARAWAK | 137 | 2714 | 50 | 4816 | 5010 |





A total of 137 cases were reported in Epid. Week 45, 2011.

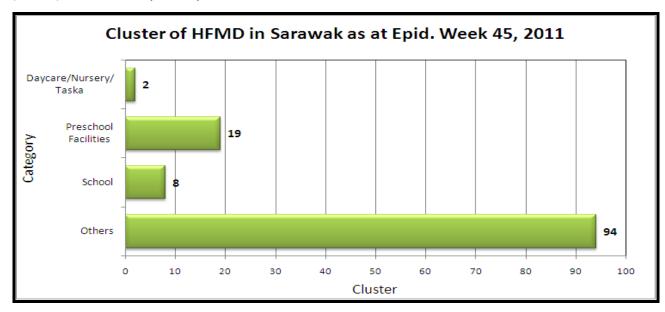
A cumulative total of 2,714 cases reported compared to 4,816 cases during the same period in 2010.

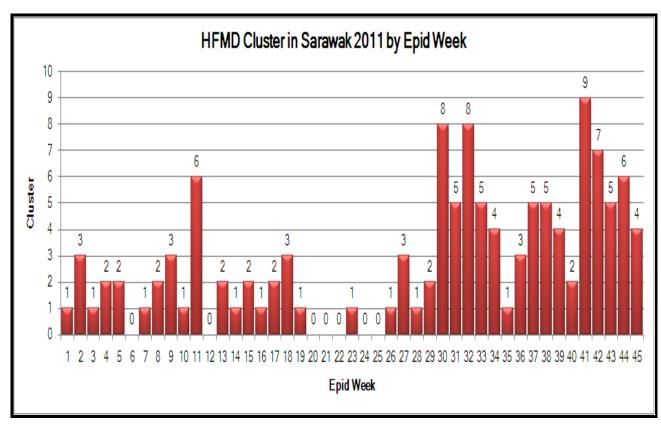
EW = Epid. Week

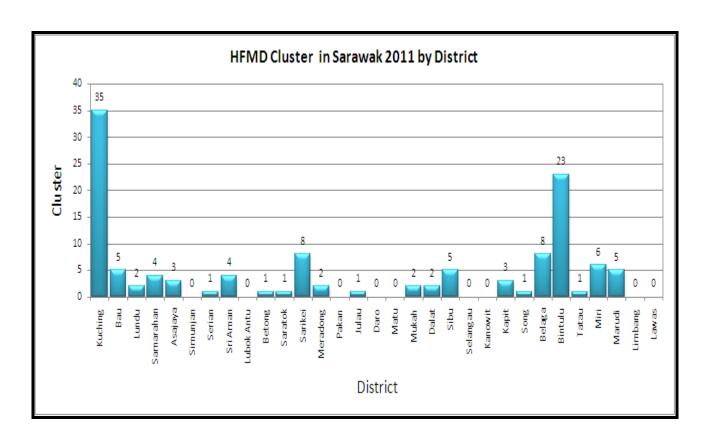
5.2.1. Cumulative HFMD Clusters as of 12th November 2011.

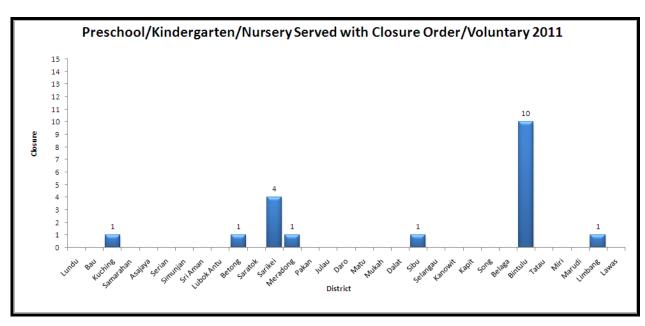
Four HFMD clusters reported in Epid. Week 45, 2011 involved one Pre-school (Kuching), and three family clusters at Kuching, Bintulu and Kapit district.

As at 12th November 2011, a total of 123 clusters reported. Of these, 94 (76.47%) were family cluster, 19 (15.45%) were cluster in preschool facilities, eight (6.50%) were in school and two (1.63%) was in *nursery* or day care centre.









5.3. Notified Leptospirosis cases for Epid. Week 45, 2011 compared to Epid. Week 45, 2010 and cumulative cases till Epid. Week 45 in 2011.

| | Case classification (positive) | | | Total pel | | |
|------------|---|---|------|-----------|------|----|
| District | District Confirmed Probable EW EW EW EW 45/2011 45/2010 45/2011 45/2010 | | able | | | |
| | | | | 2011 | 2010 | |
| Bau | 0 | 0 | 0 | 0 | 0 | 1 |
| Lundu | 0 | 0 | 0 | 0 | 0 | 0 |
| Kuching | 0 | 0 | 0 | 1 | 29 | 12 |
| Asajaya | 0 | 0 | 0 | 0 | 3 | 0 |
| Samarahan | 0 | 0 | 0 | 0 | 5 | 1 |
| Serian | 0 | 0 | 1 | 0 | 6 | 2 |
| Simunjan | 0 | 0 | 0 | 0 | 3 | 1 |
| Sri Aman | 0 | 0 | 0 | 0 | 8 | 1 |
| Lubok Antu | 0 | 0 | 0 | 0 | 6 | 3 |
| Betong | 0 | 0 | 0 | 0 | 4 | 0 |
| Saratok | 0 | 0 | 0 | 0 | 7 | 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 |
| Dalat | 0 | 0 | 0 | 0 | 0 | 0 |
| Mukah | 0 | 0 | 0 | 0 | 2 | 1 |
| Daro | 0 | 0 | 0 | 0 | 1 | 1 |
| Matu | 0 | 0 | 0 | 0 | 0 | 0 |
| Sibu | 0 | 0 | 0 | 0 | 2 | 6 |
| Kanowit | 0 | 0 | 1 | 0 | 3 | 1 |
| Selangau | 0 | 0 | 0 | 0 | 2 | 0 |
| Song | 0 | 0 | 0 | 0 | 0 | 2 |
| Kapit | 0 | 0 | 0 | 0 | 9 | 1 |
| Belaga | 0 | 0 | 0 | 0 | 4 | 0 |
| Tatau | 0 | 0 | 0 | 0 | 0 | 0 |
| Bintulu | 0 | 0 | 0 | 0 | 8 | 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 | 0 | 2 | 1 | 111 | 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

District indicate source of infection based on patient's recent travelling history (suspected), current place of residence or workplace

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 45, 2011 compared to Epid. Week 45, 2010 and cumulative cases till Epid. Week 45 in 2011.

| | | Blood test result | | | | ositive |
|------------|---------|-------------------|---------|---------|------|---------|
| | | Posi | | | | |
| District | Cult | ture | Sero | logy | | |
| | EW | EW | EW | EW | 2011 | 2010 |
| | 45/2011 | 45/2010 | 45/2011 | 45/2010 | | |
| Bau | 0 | 0 | 0 | 0 | 2 | 0 |
| Lundu | 0 | 0 | 0 | 0 | 0 | 0 |
| Kuching | 0 | 0 | 0 | 0 | 6 | 12 |
| Asajaya | 0 | 0 | 0 | 0 | 0 | 0 |
| Samarahan | 0 | 0 | 0 | 0 | 0 | 0 |
| Serian | 0 | 0 | 0 | 0 | 1 | 1 |
| Simunjan | 0 | 0 | 0 | 0 | 0 | 0 |
| Sri Aman | 0 | 0 | 0 | 0 | 4 | 0 |
| Lubok Antu | 0 | 0 | 0 | 0 | 0 | 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 | 0 | 0 | 0 | 2 | 3 |
| Daro | 0 | 0 | 0 | 0 | 0 | 0 |
| Matu | 0 | 0 | 0 | 0 | 0 | 0 |
| Sibu | 0 | 0 | 0 | 0 | 1 | 5 |
| Kanowit | 0 | 0 | 0 | 0 | 0 | 1 |
| Selangau | 0 | 0 | 0 | 0 | 1 | 6 |
| Song | 0 | 0 | 0 | 0 | 1 | 7 |
| Kapit | 0 | 0 | 2 | 2 | 62 | 162 |
| Belaga | 0 | 0 | 0 | 0 | 14 | 28 |
| Tatau | 0 | 0 | 0 | 1 | 4 | 14 |
| Bintulu | 0 | 0 | 0 | 0 | 5 | 49 |
| Miri | 0 | 0 | 0 | 0 | 3 | 35 |
| Marudi | 0 | 0 | 0 | 0 | 1 | 7 |
| Limbang | 0 | 0 | 0 | 0 | 0 | 2 |
| Lawas | 0 | 0 | 0 | 0 | 0 | 1 |
| Total | 0 | 0 | 2 | 3 | 106 | 343 |

Note: EW = Epid. Week

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

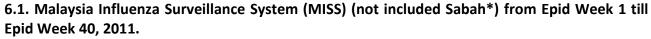
2011: Number of cases will depend on which Epid. Week results are received.

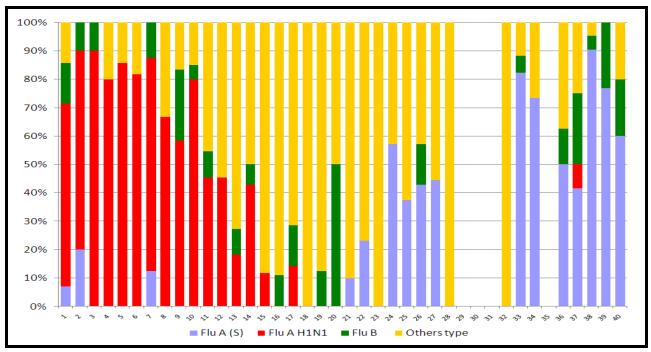
5.4.1. Locality of melioidosis outbreak in Sarawak as at 12th November 2011.

| 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





^{*} specimen from Sabah were analysed at MKAK Kota Kinabalu

In Malaysia, as at Epid Week 40, 2011, a total of 3,064 throat swab specimens were analysed at MKAK Sungai Buloh. Of these, 403 specimens isolated various types of influenza virus i.e. virus Flu AH1N1 (98), Flu A (s) [143], Flu B (25), and other types of virus (137). Other viruses which are under category of others-type: Adenovirus (82), Paramyxovirus (14), RSV (1), Enterovirus (1) and other viruses (39).

6.2. Laboratory Based Surveillance for Measles in Malaysia

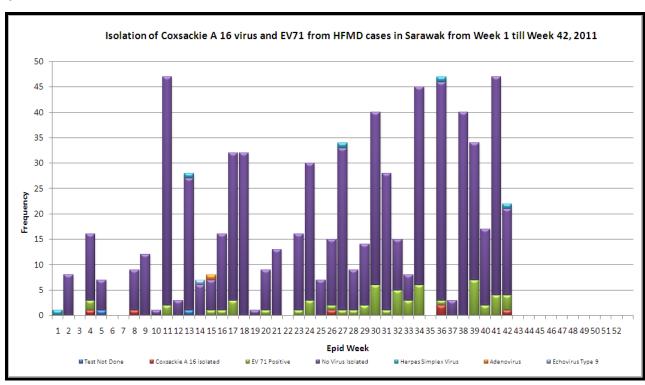
In Malaysia, as at Epid. Week 39, 2011, a total of 3,556 serum specimens for serology test were sent to MKAK Sg. Buloh. Of these, 1,077 were positive for IgM Measles and 298 positive for Rubella.

As at Epid. Week 29, 2011, 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 39, 2011, Sarawak had been sent 205 specimens for serology test. Six specimens positive for measles IgM and 37 positive for rubella IgM.

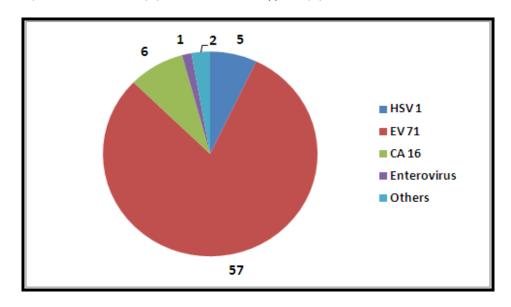
As at Epid. Week 29, 2011, only 12 specimens for measles viral isolation from Sarawak were sent to MKAK Sg. Buloh but so far none were positive.

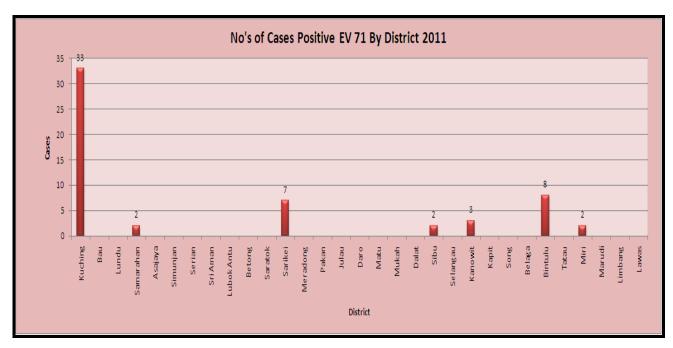
6.3. Laboratory Based Surveillance for HFMD in Sarawak from Epid Week 1 till Epid Week 42, 2011.



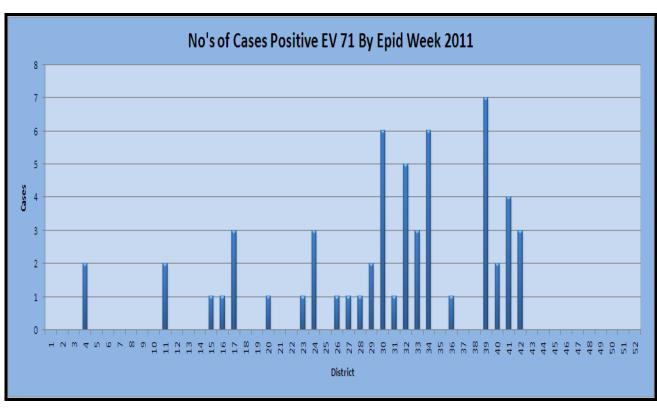
*results from EW 43 onwards are still pending

In Sarawak, as at Epid. Week 42, 2011, a total of 721 specimens were sent to MKAK Sg. Buloh for viral isolation. Of these, 71 specimens isolated viruses: EV71 (57), Coxsackie A16 (6), Herpes Simplex (HSV 1) [5], Adenovirus (1) and Echovirus Type 9 (2).





*results from EW 43 onwards are still pending



^{*}results from EW 43 onwards are still pending

LIST OF NOTIFIABLE DISEASES

First Schedule (Section 2), Prevention and Control Of Infectious Diseases Act, 1988 (Act 432)

| n. | Di- | N | Notificatio | n |
|-----|--|----------|-------------|--------|
| No. | Diseases | 24 Hours | 3 Days | 1 Week |
| 1 | Chancroid | | | ٧ |
| 2 | Cholera | ٧ | | |
| 3 | Dengue Fever and Dengue Haemorrahgic Fever | ٧ | | |
| 4 | Diphteria | ٧ | | |
| 5 | Dysentery (All Types) | | | ٧ |
| 6 | Ebola | ٧ | | |
| 7 | Food Poisoning | ٧ | | |
| 8 | Gonococcal Infections (All Forms) | | | ٧ |
| 9 | Leprosy | | | ٧ |
| 10 | Malaria | | ٧ | |
| 11 | Measles | ٧ | | |
| 12 | Hand, Foot and Mouth Disease | ٧ | | |
| 13 | Plague | ٧ | | |
| 14 | Poliomyelitis, Acute | ٧ | | |
| 15 | Rabies | ٧ | | |
| 16 | Relapsing Fever | | | ٧ |
| 17 | Syphilis (All Forms) | | | ٧ |
| 18 | Tetanus (All Forms) | | | ٧ |
| 19 | Tuberculosis (All Forms) | | | ٧ |
| 20 | Typhoid & Paratyphoid Fever | | | ٧ |
| 21 | Typhus & Other Rickettsioses | | | ٧ |
| 22 | Viral Encephalitis | | | ٧ |
| 23 | Viral Hepatitis (All Forms) | | | ٧ |
| 24 | Whooping Cough | | | ٧ |
| 25 | Yellow Fever | ٧ | | |
| 26 | Any Other Life Threatening Microbial Infection | | | ٧ |
| 27 | AIDS / HIV | | | ٧ |
| 28 | Leptospirosis | | | ٧ |

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. Poliomyclitis (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)

The addresses and contact numbers of the Medical Officer of Health/Divisional Health Officers in Sarawak are listed below (as at 5th November 2011):

| Bil. | Nama/Jawatan | Alamat | Email | Telefon/Faks/No. Hp |
|------|-------------------------------|--------------------------------------|-----------------------------|------------------------|
| | Ketua Penolong Pengarah Kanan | Seksyen Kawalan Penyakit Berjangkit, | | Tel: 082-421442 |
| 1 | Dr. Razitasham Safii | Jabatan Kesihatan Negeri Sarawak, | razitasham@srwk.moh.gov.my | Fax: 082-234571 |
| | | | | Hp: 013-8047635 |
| | Ketua Penolong Pengarah | Seksyen Kawalan Penyakit Berjangkit, | | Tel: 082-246935 |
| 2 | Dr. Noorzilawatai Sahak | Jabatan Kesihatan Negeri Sarawak. | drnoorzila@gmail.com | Fax: 082-234571 |
| | | | | Hp:014-6999126 |
| | Pegawai Kesihatan Bahagain | Pejabat Kesihatan Bahagian, | | Tel: 082-238635/257867 |
| 3 | Bahagian Kuching | Bahagian Kuching, | kamarudinl@srwk.moh.gov.my | Fax: 082-414542/250037 |
| 3 | Dr. Kamarudin Lajim | Jalan Tun Ahmad Zaidi Adruce, | | Hp: 013-8014332 |
| | | 93250 KUCHING. | | |
| | Pegawai Kesihatan Bahagain | Pejabat Kesihatan Bahagian, | | Tel: 082-673626 |
| 4 | Bahagian Samarahan | Bahagian Samarahan, | julaidah.s@srwk.moh.gov.my | Fax: 082-673632 |
| 4 | Dr. Julaidah Sharip | Jalan Datuk Muhammad Musa, | | Hp: 019-8270869 |
| | | 94300 KOTA SAMARAHAN. | | |
| | Pegawai Kesihatan Bahagain | Pejabat Kesihatan Bahagian, | | Tel: 083-332176 |
| | Bahagian Sri Aman | Bahagian Sri Aman, | murnihayati ali@yahoo.com | Fax: 083-322058 |
| 5 | Dr. Murnihayati Ali | Tingkat 3, Wisma Persekutuan, | | Hp: 012-5066751 |
| | | Jalan Hospital | | |
| | | 95007 SRI AMAN. | | |
| | Pegawai Kesihatan Bahagain | Pejabat Kesihatan Bahagian, | | Tel: 083-472116 |
| 6 | Bahagian Betong | Bahagian Betong, | stjeffery@srwk.moh.gov.my | Fax: 083-471870 |
| ю | Dr. Jeffery Stephen | KM 2, Jalan Betong, | | Hp: 019-8584053 |
| | | 95700 BETONG. | | |
| | Pegawai Kesihatan Bahagain | Pejabat Kesihatan Bahagian | | Tel: 084-651077 |
| _ | Bahagian Sarikei | Bahagian Sarikei | hasrina@srwk.moh.gov.my | Fax: 084-654088 |
| 7 | Dr. Hasrina Hassan | Tingkat 3, Wisma Persekutuan | | Hp: 013-3403363 |
| | | 96100 SARIKEI | | |
| | Pegawai Kesihatan Bahagain | Pejabat Kesihatan Bahagian, | | Tel: 084-315494 |
| | Bahagian Sibu | Bahagian Sibu, | mdrais@srwk.moh.gov.my | Fax: 084-348284 |
| 8 | Dr. Muhamad Rais Abdullah | Tingkat 5, Wisma Persekutuan, | | Hp: 019-8196459 |
| | | Persiaran Brooke, | | |
| | | 96000 SIBU. | | |
| | Pegawai Kesihatan Bahagain | Pejabat Kesihatan Bahagian, | | Tel: 084-796404 |
| 9 | Bahagian Kapit | Bahagian Kapit, | ngiahu@srwk.moh.gov.my | Fax: 084-332502 |
| 9 | Dr. Ngian Hie Hung | Tingkat 3, Wisma Persekutuan, | | Hp: 017-8030839 |
| | | 96800 KAPIT. | | |
| | Pegawai Kesihatan Bahagain | Pejabat Kesihatan Bahagian, | | Tel: 084-873301 |
| 10 | Bahagian Mukah | Bahagian Mukah, | dho mukah@yahoo.com | Fax: 084-872963 |
| 10 | Dr. Hj. Osman Hji. Rafaie | Jalan Haji Muhammad Pauzi, | | Hp: 013-8014700 |
| | | 96400 MUKAH. | | |
| | Pegawai Kesihatan Bahagain | Pejabat Kesihatan Bahagian, | | Tel: 086-331455 |
| 11 | Bahagian Bintulu | Bahagian Bintulu, | dr.abdrahim@srwk.moh.gov.my | Fax: 086-661814 |
| - 11 | Dr. Abdul Rahim Abdullah | Lebuhraya Abang Galau, | | Hp: 013-3440575 |
| | | 97000 BINTULU. | | |
| | Pegawai Kesihatan Bahagain | Pejabat Kesihatan Bahagian, | | Tel: 086-424722 |
| 12 | Bahagian Miri | Bahagian Miri, | bmfaizul@srwk.moh.gov.my | Fax: 086-429987 |
| 12 | Dr. Faizul Mansoor | Jalan Temenggong Oyong Lawai Jau, | | Hp: 013-8335504 |
| | | 98000 MIRI. | | |
| | Pegawai Kesihatan Bahagain | Pejabat Kesihatan Bahagian, | | Tel: 085-211046 |
| 13 | Bahagian Limbang | Bahagian Limbang, | norlizaj@srwk.moh.gov.my | Fax: 085-429987 |
| 13 | Dr. Norliza Jusoh | Jalan Pandaruan, | | Hp: 019-8163163 |
| | | 98700 LIMBANG. | | |

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Note:

- The data may be subject to change. Any enquiries please call CDC Section, Sarawak Health Department.
- Prepared by CPRC (Crisis Preparedness and Response Centre), Communicable Disease Control Section, Sarawak Health Department.
- Any comments or new ideas on Sarawak Weekly Epid. News are greatly appreciated.