



SARAWAK

WEEKLY EPID NEWS

Sarawak Health Department

WEEK 13

25th – 31th MARCH 2012

INFECTIOUS DISEASE/CRISIS HIGHLIGHTS IN SARAWAK

In Epid. Week 13, 2012, Sarawak Health Department received reports of 47 HFMD clusters, and three food poisoning outbreak.

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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 | Kuching | SK Sacred Heart Semeba | 44 | 29 March 12 |
| 2 | | | SK Temenggong | 55 | 30 March 12 |
| 3 | | Samarahan | Kpg. Nanas, Simunjan | 3 | 26 March 12 |

2.1 HFMD CLUSTERS SUMMARY

| Division | Category of Cluster | | | | Total |
|--------------|---------------------|----------|--------------|-------------------|-----------|
| | Family | School | Kindergarten | Child Care Centre | |
| Kuching | 12 | 0 | 7 | 2 | 21 |
| Samarahan | 3 | 0 | 2 | 0 | 5 |
| Sri Aman | 0 | 0 | 0 | 0 | 0 |
| Betong | 4 | 0 | 1 | 0 | 5 |
| Sarikei | 3 | 1 | 1 | 0 | 5 |
| Mukah | 0 | 0 | 0 | 0 | 0 |
| Sibu | 0 | 0 | 0 | 0 | 0 |
| Kapit | 0 | 0 | 0 | 0 | 0 |
| Bintulu | 1 | 0 | 1 | 1 | 3 |
| Miri | 3 | 0 | 0 | 0 | 3 |
| Limbang | 4 | 1 | 0 | 0 | 5 |
| Total | 30 | 2 | 12 | 3 | 47 |

3. SUMMARY OF MANDATORY NOTIFIABLE DISEASES REPORTED IN EPID. WEEK 13, 2012

| 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 | | | | | | | | | | | 13 | | 1 | | | | | | | | | | | | | | |
| Bau | | | | | | | | | | | 19 | | | | | | | | | | 2 | | | | | | |
| Kuching | 1/1 | | | | | 4 | | | 99 | 3 | 154 | | | | 2 | | | | 2 | | 12 | 1 | | | | | |
| Samarahan | | | | | | 2 | | | 3 | 2 | 14 | | 1 | | | | | | 2 | | | | | | | | |
| Asajaya | 2/1 | | | | | 1 | | | | | 3 | | | | | | | | | | 0 | | | | | | |
| Simunjan | 1/0 | | | | | 1 | | | | | 2 | | | | | | | | | | 0 | | | | | | |
| Serian | | | | | | | | | | | 10 | | | | | | | | | | 0 | | | | | | |
| Sri Aman | | | | | | | | | | | 17 | | | | 2 | | | | | | 0 | | | | | | |
| L/ Antu | | | | | | | | | | | 1 | | | | | | | | | | 1 | | | | | | |
| Betong | | | | | | | | | | | 16 | | 1 | | | | | | | | 1 | | | | | | |
| Saratok | | | | | | | 1 | | | | 6 | | 2 | | | | | | | | | | | | | | |
| Sarikei | | | | | | | 2 | | | | 16 | 1 | 1 | | 3 | | | | | | 0 | 1 | | | | | |
| Meradong | | | | | | | | | | | 3 | | | | | | | | | | 1 | | | | | | |
| Pakan | | | | | | | | | | | 6 | | | | | | | | | | | | | | | | |
| Julau | | | | | | | | | | | 17 | | | | | | | | | | | | | | | | |
| Daro | | | | | | | | | | | 8 | | | | | | | | | | 1 | | | | | | |
| Matu | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | |
| Dalat | | | | | | | | | | | 3 | | | | | | | | | | | | | | | | |
| Mukah | | | | | | 1 | | | | | 4 | | | | | | | | | | 2 | | | | | | |
| Sibu | | | | | | 1 | | | | | 11 | 1 | 3 | | | | | | | | 1 | 1 | | | | | |
| Kanowit | | | | | | | | | | | 2 | | | | | | | | | | | | | | | | |
| Selangau | | | | | | 1 | | | | | 1 | | | | | | | | | | | | | | | | |
| Song | | | | | | | | | | | 2 | | 2 | | | | | | | | | | | | | | |
| Kapit | | | | | | 1 | | | | | 8 | | 3 | | | | | | | | | | | | | | |
| Belaga | | | | | | 1 | | | | | | | 3 | | | | | | | | | | | | | | |
| Tatau | | | | | | | | | | | 1 | | 1 | | | | | | | | 1 | | | | | | |
| Bintulu | | | | | | 1 | 1 | | | | 48 | 2 | | | 2 | | | | | | 3 | | | | | | |
| Miri | | | | | | 1 | | | | | 28 | | | | 3 | | | | | | 3 | | | | | | |
| Marudi | | | | | | 3 | 1 | | | | 7 | | 8 | | | | | | | | 4 | | | | | | |
| Limbang | 0/1 | | | | | | | | | | 33 | | | | 1 | | | | | | 1 | | | | | | |
| Lawas | | | | | | | | | | | 7 | | 1 | | | | | | | | | | | | | | |
| TOTAL (Week 12) | 4/3 | 0 | 0 | 0 | 0 | 18 | 5 | 0 | 102 | 5 | 461 | 4 | 27 | 0 | 13 | 0 | 0 | 0 | 4 | 0 | 33 | 3 | 0 | 0 | 0 | 0 | 0 |
| Total (2012) | 10/3 | 0 | 0 | 0 | 0 | 252 | 10 | 0 | 236 | 63 | 4060 | 8 | 311 | 2 | 174 | 0 | 0 | 0 | 25 | 0 | 346 | 4 | 0 | 39 | 2 | 0 | 28 |
| Total (2011) | 164/82 | 0 | 0 | 252 | 0 | 974 | 9 | 0 | 1323 | 445 | 3170 | 25 | 1761 | 37 | 335 | 0 | 0 | 0 | 194 | 1 | 1707 | 6 | 0 | 137 | 25 | 0 | 186 |
| Total (2010) | 141/113 | 0 | 0 | 0 | 0 | 4240 | 62 | 0 | 1299 | 437 | 4987 | 22 | 2802 | 10 | 132 | 0 | 0 | 0 | 230 | 1 | 1639 | 27 | 0 | 35 | 2 | 0 | 49 |
| Total (2009) | 143/89 | 0 | 1 | 0 | 0 | 4564 | 82 | 0 | 1223 | 438 | 9655 | 15 | 2158 | 4 | 56 | 0 | 0 | 0 | 339 | 0 | 1689 | 24 | 1 | 169 | 10 | 0 | 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 STD/AIDS Section
HFMD notification is based on masterlist.

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

4. SURVEILLANCE REPORT ON FOOD-WATER BORNE DISEASES

4.1. Summary of total number of food-water borne diseases in Sarawak from Epid. Week 1 till Epid. Week 13, 2012

| Division | Food poisoning outbreak | Dysentery | | Typhoid & paratyphoid fever | | Cholera | Hepatitis A | |
|----------------|-------------------------|-----------|----------|-----------------------------|----------|----------|-------------|----------|
| | | S | C | S | C | | S | C |
| Kuching | 4 | 5 | 0 | 13 | 3 | 0 | 0 | 1 |
| Samarahan | 3 | 7 | 0 | 1 | 0 | 0 | 0 | 0 |
| Sri Aman | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| Betong | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| Sarikei | 2 | 10 | 0 | 3 | 0 | 0 | 0 | 0 |
| Sibu | 0 | 2 | 0 | 1 | 0 | 0 | 0 | 0 |
| Kapit | 0 | 4 | 0 | 1 | 0 | 0 | 0 | 0 |
| Mukah | 2 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| Bintulu | 1 | 8 | 0 | 0 | 0 | 0 | 0 | 0 |
| Miri | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| Limbang | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Sarawak | 16 | 39 | 1 | 19 | 4 | 0 | 0 | 1 |

Note: S = Suspected; C = Confirmed

4.2. Food Poisoning

Three food poisoning outbreaks were reported in Epid. Week 13, 2012. First outbreak was from Kampung Nanas, Simunjan District reported on 26th March 2012 involving 3 persons (Male=2, Female=1). The suspected food was roasted chicken and probably caused by *Staphylococcus aureus*. Second outbreak was at SK Sacred Heart Semeba, Kuching District, reported on 29th March 2012 that involved 44 pupils (Male=15, Female=29). The suspected food was 1Malaysia UHT milk and most likely caused by *Staphylococcus aureus*. Third outbreak was at SK Temengong, Kuching District that involved 55 pupils (Male=21, Female=34). The suspected food was 1Malaysia UHT milk and most likely caused by *Staphylococcus aureus*.

4.3. Cholera

No case was reported in Epid. Week 13, 2012.

4.4. Dysenteries (All forms)

One confirmed dysentery case was reported in Epid Week 13 from Rh Inggol Kamidan Awik, Saratok District which was positive for *Shewanella putrefaciens* stool C&S test.

Meanwhile, four suspected dysentery cases were reported in Epid. Week 13, 2012 from Bintulu (1) and Sarikei (2) and Marudi (1) Districts. The suspected cases from Marudi and Sarikei were negative for stool C&S test. No specimen was taken from suspected case from Bintulu district.

As at 31th March 2012, a total of 39 suspected dysenteries (all forms) cases were reported and one confirmed dysentery.

4.5. Typhoid and paratyphoid fever.

Three suspected typhoid cases were reported in Epid. Week 13, 2012 where each case from Kuching, Sibü, and Sarikei Districts. Cases from Sibü and Kuching Districts were negative for blood C&S tests. The case from Sarikei District is still pending for stool & blood C&S tests.

4.6. Hepatitis A.

No case of Hepatitis A was reported in Epid. Week 13, 2012.

5. SURVEILLANCE REPORT ON VACCINE PREVENTABLE DISEASES

5.1. Total number of Vaccine Preventable Diseases Reported by division in Epid. Week 13, 2012

| Division | TYPES OF DISEASES | | | | | | | | | | | | | |
|----------------|-------------------|----------|-------------------------------------|----------------|----------------------|------------|----------|----------------|----------|----------|----------|----------|----------------|----------|
| | Diphtheria | | Measles | | | | | Rubella | Polio | | Tetanus | | Whooping Cough | |
| | S | C | Suspected (Registered Cases in SM2) | Confirmed | | | Discard | Lab. Confirmed | S | C | S | C | S | C |
| | | | | Lab. Confirmed | Clinically Confirmed | Epid. Link | | | | | | | | |
| KUCHING | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SAMARAHAN | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SRI AMAN | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| BETONG | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SARIKEI | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SIBU | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| KAPIT | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MUKAH | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| BINTULU | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MIRI | 0 | 0 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| LIMBANG | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SARAWAK | 0 | 0 | 13 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Note: S = suspected; C = confirmed

5.2. Measles (data derived from SM2)

A total of 13 suspected sporadic measles cases were reported in Epid. Week 13, 2012 from Kuching (2), Sri Aman (2), Sarikei (3), Bintulu (2), Miri (3) and Limbang (1). No suspected measles cluster was reported.

5.2.1. Measles Elimination Programme (MEP) Achievement by Division in Epid. Week 13, 2012

| Division | No. Of cases | Indicator High Quality Surveillance (>80%) | | |
|----------------|--------------|---|--|--|
| | | % of Suspected cases Notified within 24 hours | % of suspected cases with adequate Investigation within 48 hours of notification | % of suspected cases with adequate blood specimens |
| Kuching | 2 | 2(100%) | 2(100%) | 2(100%) |
| Samarahan | 0 | 0 | 0 | 0 |
| Sri Aman | 2 | 2(100%) | 2(100%) | 2(100%) |
| Betong | 0 | 0 | 0 | 0 |
| Sarikei | 3 | 3(100%) | 3(100%) | 3(100%) |
| Sibu | 0 | 0 | 0 | 0 |
| Kapit | 0 | 0 | 0 | 0 |
| Mukah | 0 | 0 | 0 | 0 |
| Bintulu | 2 | 2(100%) | 2(100%) | 2(100%) |
| Miri | 3 | 3(100%) | 3(100%) | 3(100%) |
| Limbang | 1 | 1(100%) | 1(100%) | 1(100%) |
| Sarawak | 13 | 13(100%) | 13(100%) | 13(100%) |

Measles Elimination Programme Strategies:

- Measles Incidence Rate < 1/1 million population
- Effective Enhanced Surveillance Programme
- Measles Vaccination coverage > 95%

5.3. Whooping Cough

No case was reported in Epid Week 13, 2012.

5.4. Polio

No suspected case was reported in Epid. Week 13, 2012.

5.5. Rubella

No Rubella case was reported in Epid. Week 13, 2012. The cumulative confirmed case reported in 2012 remains as one.

5.6. Tetanus (All forms)

No suspected case was reported in Epid. Week 13, 2012.

6. SURVEILLANCE REPORT ON HIV/AIDS AND STI

6.1 Notified HIV/AIDS cases for Epid. Week 13, 2012 and cumulative cases from Epid. Week 1 until Epid. Week 13, 2012.

| District / Division | 2012 | | | |
|---------------------|----------|----------|------------|----------|
| | EW 13 | | Cumulative | |
| | HIV | AIDS | HIV | AIDS |
| Lundu | 0 | 0 | 0 | 0 |
| Bau | 0 | 0 | 0 | 0 |
| Kuching | 1 | 1 | 3 | 1 |
| KUCHING | 1 | 1 | 3 | 1 |
| Samarahan | 0 | 0 | 1 | 0 |
| Asajaya | 2 | 1 | 2 | 1 |
| Simunjan | 1 | 0 | 3 | 1 |
| Serian | 0 | 0 | 0 | 1 |
| SAMARAHAN | 3 | 1 | 6 | 3 |
| Sri Aman | 0 | 0 | 0 | 0 |
| LubokAntu | 0 | 0 | 0 | 0 |
| SRI AMAN | 0 | 0 | 0 | 0 |
| Betong | 0 | 0 | 0 | 0 |
| Saratok | 0 | 0 | 0 | 0 |
| BETONG | 0 | 0 | 0 | 0 |
| Sarikei | 0 | 0 | 0 | 0 |
| Meradong | 0 | 0 | 0 | 0 |
| Pakan | 0 | 0 | 0 | 0 |
| Julau | 0 | 0 | 0 | 0 |
| SARIKEI | 0 | 0 | 0 | 0 |
| Daro | 0 | 0 | 0 | 0 |
| Matu | 0 | 0 | 0 | 0 |
| Dalat | 0 | 0 | 0 | 0 |
| Mukah | 0 | 0 | 1 | 0 |
| MUKAH | 0 | 0 | 1 | 0 |
| Sibu | 0 | 0 | 0 | 0 |
| Kanowit | 0 | 0 | 1 | 0 |
| Selangau | 0 | 0 | 0 | 0 |
| SIBU | 0 | 0 | 1 | 0 |
| Song | 0 | 0 | 0 | 0 |
| Kapit | 0 | 0 | 0 | 0 |
| Belaga | 0 | 0 | 0 | 0 |
| KAPIT | 0 | 0 | 0 | 0 |
| Tatau | 0 | 0 | 0 | 0 |
| Bintulu | 0 | 0 | 0 | 0 |
| BINTULU | 0 | 0 | 0 | 0 |
| Miri | 0 | 0 | 2 | 0 |
| Marudi | 0 | 0 | 0 | 0 |
| MIRI | 0 | 0 | 2 | 0 |
| Limbang | 0 | 1 | 1 | 1 |
| Lawas | 0 | 0 | 0 | 1 |
| LIMBANG | 0 | 1 | 1 | 2 |
| Sarawak | 4 | 3 | 14 | 6 |

EW = Epid. Week; Cum. = Cumulative figure

6.2 HIV/AIDS Patient Classification Notified in Epid. Week 13 and Cumulative from Epid. Week 1 until Epid. Week 13, 2012

| District / Division | 2012 | | | | | |
|---------------------|----------|----------|----------|----------|-----------|----------|
| | Children | | Women | | Foreigner | |
| | EW 13 | Cum. | EW 13 | Cum. | EW 13 | Cum. |
| Lundu | 0 | 0 | 0 | 0 | 0 | 0 |
| Bau | 0 | 0 | 0 | 0 | 0 | 0 |
| Kuching | 0 | 0 | 0 | 0 | 0 | 0 |
| KUCHING | 0 | 0 | 0 | 0 | 0 | 0 |
| Samarahan | 0 | 0 | 0 | 0 | 0 | 0 |
| Asajaya | 0 | 0 | 0 | 0 | 0 | 0 |
| Simunjan | 0 | 0 | 0 | 1 | 0 | 1 |
| Serian | 0 | 0 | 0 | 0 | 0 | 0 |
| SAMARAHAN | 0 | 0 | 0 | 0 | 0 | 0 |
| Sri Aman | 0 | 0 | 0 | 0 | 0 | 0 |
| LubokAntu | 0 | 0 | 0 | 0 | 0 | 0 |
| SRI AMAN | 0 | 0 | 0 | 0 | 0 | 0 |
| Betong | 0 | 0 | 0 | 0 | 0 | 0 |
| Saratok | 0 | 0 | 0 | 0 | 0 | 0 |
| BETONG | 0 | 0 | 0 | 0 | 0 | 0 |
| Sarikei | 0 | 0 | 0 | 0 | 0 | 0 |
| Meradong | 0 | 0 | 0 | 0 | 0 | 0 |
| Pakan | 0 | 0 | 0 | 0 | 0 | 0 |
| Julau | 0 | 0 | 0 | 0 | 0 | 0 |
| SARIKEI | 0 | 0 | 0 | 0 | 0 | 0 |
| Daro | 0 | 0 | 0 | 0 | 0 | 0 |
| Matu | 0 | 0 | 0 | 0 | 0 | 0 |
| Dalat | 0 | 0 | 0 | 0 | 0 | 0 |
| Mukah | 0 | 0 | 0 | 0 | 0 | 0 |
| MUKAH | 0 | 0 | 0 | 0 | 0 | 0 |
| Sibu | 0 | 0 | 0 | 0 | 0 | 0 |
| Kanowit | 0 | 0 | 0 | 1 | 0 | 0 |
| Selangau | 0 | 0 | 0 | 0 | 0 | 0 |
| SIBU | 0 | 0 | 0 | 1 | 0 | 0 |
| Song | 0 | 0 | 0 | 0 | 0 | 0 |
| Kapit | 0 | 0 | 0 | 0 | 0 | 0 |
| Belaga | 0 | 0 | 0 | 0 | 0 | 0 |
| KAPIT | 0 | 0 | 0 | 0 | 0 | 0 |
| Tatau | 0 | 0 | 0 | 0 | 0 | 0 |
| Bintulu | 0 | 0 | 0 | 0 | 0 | 0 |
| BINTULU | 0 | 0 | 0 | 0 | 0 | 0 |
| Miri | 0 | 0 | 0 | 1 | 0 | 0 |
| Marudi | 0 | 0 | 0 | 0 | 0 | 0 |
| MIRI | 0 | 0 | 0 | 1 | 0 | 0 |
| Limbang | 0 | 0 | 0 | 0 | 0 | 0 |
| Lawas | 0 | 0 | 0 | 0 | 0 | 0 |
| LIMBANG | 0 | 0 | 0 | 0 | 0 | 0 |
| Sarawak | 0 | 0 | 0 | 3 | 0 | 1 |

Four HIV and three AIDS cases was reported in Epid. Week 13, 2012.

3.3.3 Notified Gonorrhoea and Syphilis (all forms) cases for Epid. Week 13, 2012 and Cumulative cases from Epid. Week 1, 2012 until Epid. Week 13, 2012.

| District / Division | Gonorrhoea | | Syphilis (all forms) | |
|---------------------|------------|-----------|----------------------|-----------|
| | EW 13 | Cum. | EW 13 | Cum. |
| Lundu | 0 | 2 | 0 | 1 |
| Bau | 0 | 0 | 0 | 1 |
| Kuching | 3 | 38 | 2 | 16 |
| KUCHING | 3 | 40 | 2 | 18 |
| Samarahan | 2 | 9 | 2 | 5 |
| Asajaya | 0 | 4 | 0 | 2 |
| Simunjan | 0 | 2 | 0 | 0 |
| Serian | 0 | 3 | 0 | 0 |
| SAMARAHAN | 2 | 18 | 2 | 7 |
| Sri Aman | 0 | 1 | 0 | 1 |
| LubokAntu | 0 | 1 | 0 | 1 |
| SRI AMAN | 0 | 2 | 0 | 2 |
| Betong | 0 | 0 | 0 | 0 |
| Saratok | 0 | 0 | 0 | 0 |
| BETONG | 0 | 0 | 0 | 0 |
| Sarikei | 0 | 0 | 0 | 1 |
| Meradong | 0 | 0 | 0 | 1 |
| Pakan | 0 | 0 | 0 | 0 |
| Julau | 0 | 0 | 0 | 1 |
| SARIKEI | 0 | 0 | 0 | 3 |
| Daro | 0 | 2 | 0 | 0 |
| Matu | 0 | 4 | 0 | 0 |
| Dalat | 0 | 0 | 0 | 0 |
| Mukah | 0 | 3 | 0 | 1 |
| MUKAH | 0 | 9 | 0 | 1 |
| Sibu | 0 | 10 | 0 | 11 |
| Kanowit | 0 | 0 | 0 | 0 |
| Selangau | 0 | 1 | 0 | 0 |
| SIBU | 0 | 11 | 0 | 11 |
| Song | 0 | 0 | 0 | 0 |
| Kapit | 0 | 0 | 0 | 0 |
| Belaga | 0 | 0 | 0 | 0 |
| KAPIT | 0 | 0 | 0 | 0 |
| Tatau | 0 | 0 | 0 | 0 |
| Bintulu | 0 | 3 | 0 | 3 |
| BINTULU | 0 | 3 | 0 | 3 |
| Miri | 0 | 11 | 0 | 1 |
| Marudi | 0 | 1 | 0 | 0 |
| MIRI | 0 | 12 | 0 | 1 |
| Limbang | 0 | 1 | 0 | 1 |
| Lawas | 0 | 2 | 0 | 0 |
| LIMBANG | 0 | 3 | 0 | 1 |
| Sarawak | 5 | 98 | 4 | 47 |

EW = Epid. Week; Cum. = Cumulative figure

Gonorrhoea

Five cases were reported in Epid. Week 13, 2012 from Kuching (3) and Samarahan (2) Districts. As at Epid. Week 13, 2012, the cumulative case reported is 98.

Syphilis (All forms)

Four cases were reported in Epid. Week 13, 2012 from Kuching (2) and Samarahan (2) Districts. The cumulative case reported in 2012 is 47.

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

7.1 Notified Tuberculosis cases for Epid. Week 13, 2012 compared to Epid. Week 13, 2011 and cumulative cases until Epid. Week 13, 2012.

| District / Division | 2012 | | 2011 | | |
|---------------------|-----------|------------|-----------|------------|-------------|
| | EW 13 | Cum. | EW 13 | Cum. | Total |
| Lundu | 0 | 4 | 0 | 6 | 22 |
| Bau | 2 | 12 | 1 | 10 | 42 |
| Kuching | 12 | 102 | 7 | 83 | 365 |
| KUCHING | 14 | 118 | 8 | 99 | 429 |
| Samarahan | 0 | 4 | 0 | 9 | 46 |
| Asajaya | 0 | 3 | 0 | 2 | 29 |
| Simunjan | 0 | 8 | 2 | 7 | 37 |
| Serian | 0 | 12 | 1 | 16 | 61 |
| SAMARAHAN | 0 | 27 | 3 | 34 | 173 |
| Sri Aman | 0 | 9 | 1 | 12 | 58 |
| LubokAntu | 1 | 7 | 0 | 13 | 49 |
| SRI AMAN | 1 | 16 | 1 | 25 | 107 |
| Betong | 1 | 7 | 0 | 10 | 43 |
| Saratok | 0 | 8 | 0 | 11 | 55 |
| BETONG | 1 | 15 | 0 | 21 | 98 |
| Sarikei | 0 | 3 | 2 | 14 | 51 |
| Meradong | 1 | 10 | 0 | 7 | 29 |
| Pakan | 0 | 3 | 0 | 7 | 22 |
| Julau | 0 | 3 | 0 | 5 | 22 |
| SARIKEI | 1 | 19 | 2 | 33 | 124 |
| Daro | 1 | 2 | 1 | 8 | 27 |
| Matu | 0 | 1 | 0 | 1 | 4 |
| Dalat | 0 | 0 | 0 | 3 | 14 |
| Mukah | 2 | 5 | 0 | 6 | 44 |
| MUKAH | 3 | 8 | 1 | 18 | 89 |
| Sibu | 1 | 28 | 2 | 45 | 175 |
| Kanowit | 0 | 5 | 1 | 8 | 42 |
| Selangau | 0 | 3 | 2 | 7 | 32 |
| SIBU | 1 | 36 | 5 | 60 | 249 |
| Song | 0 | 4 | 0 | 7 | 23 |
| Kapit | 0 | 10 | 1 | 15 | 60 |
| Belaga | 0 | 3 | 4 | 9 | 40 |
| KAPIT | 0 | 17 | 5 | 31 | 123 |
| Tatau | 1 | 6 | 0 | 11 | 43 |
| Bintulu | 3 | 26 | 8 | 41 | 187 |
| BINTULU | 4 | 32 | 8 | 52 | 230 |
| Miri | 3 | 60 | 3 | 76 | 306 |
| Marudi | 4 | 13 | 2 | 14 | 61 |
| MIRI | 7 | 73 | 5 | 90 | 367 |
| Limbang | 1 | 16 | 0 | 11 | 42 |
| Lawas | 0 | 5 | 2 | 9 | 24 |
| LIMBANG | 1 | 21 | 2 | 20 | 66 |
| Sarawak | 33 | 382 | 40 | 483 | 2055 |

EW = Epid. Week; Cum. = Cumulative figure

7.2 Notified Leprosy cases for Epid. Week 13, 2012 compared to Epid. Week 13, 2011 and cumulative cases until Epid. Week 13, 2012.

| District / Division | 2012 | | 2011 | | |
|---------------------|----------|----------|----------|----------|-----------|
| | EW 13 | Cum. | EW 13 | Cum. | Total |
| Lundu | 0 | 0 | 0 | 0 | 0 |
| Bau | 0 | 0 | 0 | 0 | 0 |
| Kuching | 0 | 0 | 0 | 0 | 3 |
| KUCHING | 0 | 0 | 0 | 0 | 3 |
| Samarahan | 0 | 0 | 0 | 0 | 0 |
| Asajaya | 0 | 0 | 0 | 0 | 0 |
| Simunjan | 0 | 0 | 0 | 0 | 0 |
| Serian | 0 | 0 | 0 | 0 | 0 |
| SAMARAHAN | 0 | 0 | 0 | 0 | 0 |
| Sri Aman | 0 | 0 | 0 | 0 | 0 |
| LubokAntu | 0 | 0 | 0 | 0 | 0 |
| SRI AMAN | 0 | 0 | 0 | 0 | 0 |
| Betong | 0 | 0 | 0 | 0 | 0 |
| Saratok | 0 | 0 | 0 | 0 | 0 |
| BETONG | 0 | 0 | 0 | 0 | 0 |
| Sarikei | 1 | 1 | 0 | 0 | 0 |
| Meradong | 0 | 0 | 0 | 0 | 0 |
| Pakan | 0 | 0 | 0 | 0 | 0 |
| Julau | 0 | 0 | 0 | 0 | 0 |
| SARIKEI | 1 | 1 | 0 | 0 | 0 |
| Daro | 0 | 0 | 0 | 0 | 0 |
| Matu | 0 | 0 | 0 | 0 | 0 |
| Dalat | 0 | 0 | 0 | 0 | 0 |
| Mukah | 0 | 0 | 0 | 0 | 1 |
| MUKAH | 0 | 0 | 0 | 0 | 1 |
| Sibu | 1 | 1 | 0 | 1 | 1 |
| Kanowit | 0 | 0 | 0 | 0 | 0 |
| Selangau | 0 | 0 | 0 | 0 | 0 |
| SIBU | 1 | 1 | 0 | 1 | 1 |
| Song | 0 | 0 | 0 | 0 | 0 |
| Kapit | 0 | 0 | 0 | 0 | 0 |
| Belaga | 0 | 0 | 0 | 0 | 6 |
| KAPIT | 0 | 0 | 0 | 0 | 6 |
| Tatau | 0 | 0 | 0 | 0 | 0 |
| Bintulu | 2 | 2 | 0 | 0 | 1 |
| BINTULU | 2 | 2 | 0 | 0 | 1 |
| Miri | 0 | 0 | 0 | 0 | 4 |
| Marudi | 0 | 0 | 0 | 0 | 5 |
| MIRI | 0 | 0 | 0 | 0 | 9 |
| Limbang | 0 | 0 | 0 | 0 | 4 |
| Lawas | 0 | 0 | 0 | 0 | 0 |
| LIMBANG | 0 | 0 | 0 | 1 | 4 |
| Sarawak | 4 | 4 | 0 | 2 | 25 |

7.3 Notified Tuberculosis (all forms) Case

Classification as on 31th March 2012

| District / Division | Case classification | | | | | |
|---------------------|---------------------|------------|----------------|-----------|-----------|-----------|
| | Positive smear | | Negative smear | | Extra PTB | |
| | EW 13 | Cum. | EW 13 | Cum. | EW 13 | Cum. |
| Lundu | 0 | 2 | 0 | 1 | 0 | 1 |
| Bau | 2 | 10 | 0 | 2 | 0 | 0 |
| Kuching | 7 | 61 | 5 | 30 | 0 | 11 |
| KUCHING | 9 | 73 | 5 | 33 | 0 | 12 |
| Samarahan | 0 | 3 | 0 | 0 | 0 | 1 |
| Asajaya | 0 | 0 | 0 | 2 | 0 | 1 |
| Simunjan | 0 | 6 | 0 | 2 | 0 | 0 |
| Serian | 0 | 11 | 0 | 1 | 0 | 0 |
| SAMARAHAN | 0 | 20 | 0 | 5 | 0 | 2 |
| Sri Aman | 0 | 7 | 0 | 1 | 0 | 1 |
| LubokAntu | 1 | 7 | 0 | 0 | 0 | 0 |
| SRI AMAN | 1 | 14 | 0 | 1 | 0 | 1 |
| Betong | 0 | 6 | 1 | 1 | 0 | 0 |
| Saratok | 0 | 7 | 0 | 1 | 0 | 0 |
| BETONG | 0 | 13 | 1 | 2 | 0 | 0 |
| Sarikei | 0 | 2 | 0 | 1 | 0 | 0 |
| Meradong | 1 | 6 | 0 | 4 | 0 | 0 |
| Pakan | 0 | 2 | 0 | 0 | 0 | 1 |
| Julau | 0 | 3 | 0 | 0 | 0 | 0 |
| SARIKEI | 1 | 13 | 0 | 5 | 0 | 1 |
| Daro | 1 | 1 | 0 | 1 | 0 | 0 |
| Matu | 0 | 1 | 0 | 0 | 0 | 0 |
| Dalat | 0 | 0 | 0 | 0 | 0 | 0 |
| Mukah | 2 | 4 | 0 | 1 | 0 | 0 |
| MUKAH | 3 | 6 | 0 | 2 | 0 | 0 |
| Sibu | 0 | 18 | 0 | 5 | 1 | 5 |
| Kanowit | 0 | 3 | 0 | 0 | 0 | 2 |
| Selangau | 0 | 3 | 0 | 0 | 0 | 0 |
| SIBU | 0 | 24 | 0 | 5 | 1 | 7 |
| Song | 0 | 2 | 0 | 1 | 0 | 1 |
| Kapit | 0 | 5 | 0 | 2 | 0 | 3 |
| Belaga | 0 | 3 | 0 | 0 | 0 | 0 |
| KAPIT | 0 | 10 | 0 | 3 | 0 | 4 |
| Tatau | 1 | 5 | 0 | 1 | 0 | 0 |
| Bintulu | 1 | 16 | 2 | 10 | 0 | 0 |
| BINTULU | 2 | 21 | 2 | 11 | 0 | 0 |
| Miri | 3 | 48 | 0 | 8 | 0 | 4 |
| Marudi | 3 | 9 | 0 | 1 | 1 | 3 |
| MIRI | 6 | 57 | 0 | 9 | 1 | 7 |
| Limbang | 1 | 16 | 0 | 0 | 0 | 0 |
| Lawas | 0 | 3 | 0 | 1 | 0 | 1 |
| LIMBANG | 1 | 19 | 0 | 1 | 0 | 1 |
| Sarawak | 23 | 270 | 8 | 77 | 2 | 35 |

EW = Epid. Week; Cum. = Cumulative figure

Tuberculosis (all forms)

A total of 33 cases of tuberculosis (all forms) were reported in Epid. Week 13 2012. As at 31th March 2012, the cumulative total of reported cases is 382.

In 2011, the total number of TB/HIV cases was 21 and TB among foreigner was 116.

Leprosy

Four cases of leprosy were reported in Epid. Week 13, 2012.

7.4 Notified Tuberculosis (all forms) Patient Classification as on 31th March 2012.

| District / Division | Patient Classification | | | | | | | | | | | |
|---------------------|------------------------|----------|--------------------|----------|--------------|----------|---------------|----------|-----------|-----------|-------------|----------|
| | Children | | Health care worker | | | | PUSPEN/Prison | | Foreigner | | Care Centre | |
| | EW 13 | Cum. | *Exposed | | *Not exposed | | EW 13 | Cum. | EW 13 | Cum. | EW 13 | Cum. |
| | | | EW 13 | Cum. | EW 13 | Cum. | | | | | | |
| Lundu | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Bau | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Kuching | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 2 | 0 | 1 | 0 | 0 |
| KUCHING | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 2 | 0 | 1 | 0 | 0 |
| Samarahan | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| Asajaya | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Simunjan | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 |
| Serian | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SAMARAHAN | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 |
| Sri Aman | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| LubokAntu | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SRI AMAN | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Betong | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| Saratok | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| BETONG | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| Sarikei | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| Meradong | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Pakan | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Julau | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SARIKEI | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| Daro | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Matu | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| Dalat | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mukah | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| MUKAH | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 |
| Sibu | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| Kanowit | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| Selangau | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| SIBU | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 |
| Song | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Kapit | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Belaga | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| KAPIT | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Tatau | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 |
| Bintulu | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 |
| BINTULU | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 0 | 0 |
| Miri | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 7 | 0 | 0 |
| Marudi | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MIRI | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 7 | 0 | 0 |
| Limbang | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Lawas | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| LIMBANG | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Sarawak | 0 | 9 | 3 | 3 | 0 | 0 | 0 | 3 | 0 | 28 | 0 | 0 |

EW = Epid. Week; Cum. = Cumulative figure; KKM=Ministry of Health Malaysia

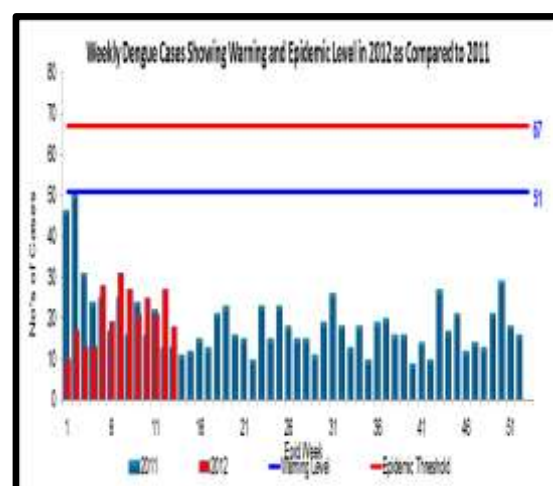
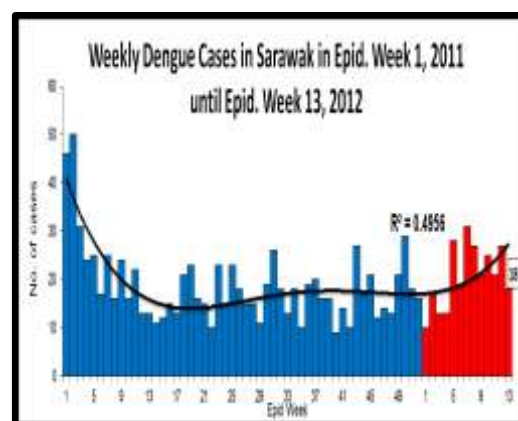
* Possibility of exposed or not exposed to TB patient

Figure for TB notified cases are based on registered TB cases in e-Notifikasi system.

8. SURVEILLANCE REPORT ON VECTOR BORNE DISEASES

8.1. Notified Dengue cases for Epid. Week 13, 2012 compared to Epid. Week 13, 2011 and cumulative cases until Epid. Week 13, 2012.

| District | 2012 | | 2011 | | Total |
|------------|-------|------|-------|------|-------|
| | EW 13 | Cum. | EW 13 | Cum. | |
| Lundu | 0 | 2 | 0 | 2 | 10 |
| Bau | 0 | 9 | 1 | 12 | 36 |
| Kuching | 4 | 37 | 0 | 33 | 106 |
| Samarahan | 2 | 11 | 1 | 5 | 21 |
| Asajaya | 1 | 2 | 0 | 1 | 4 |
| Serian | 1 | 4 | 0 | 4 | 18 |
| Simunjan | 0 | 7 | 0 | 7 | 19 |
| Sri Aman | 0 | 15 | 2 | 21 | 56 |
| Lubok Antu | 0 | 8 | 2 | 9 | 23 |
| Betong | 0 | 10 | 0 | 5 | 13 |
| Saratok | 0 | 4 | 1 | 1 | 11 |
| Sarikei | 0 | 9 | 0 | 7 | 28 |
| Meradong | 0 | 4 | 0 | 6 | 14 |
| Pakan | 0 | 8 | 0 | 6 | 23 |
| Julau | 0 | 1 | 0 | 2 | 17 |
| Daro | 0 | 1 | 0 | 5 | 6 |
| Matu | 0 | 0 | 0 | 1 | 1 |
| Dalat | 0 | 6 | 0 | 1 | 3 |
| Mukah | 1 | 3 | 0 | 3 | 5 |
| Sibu | 1 | 12 | 1 | 42 | 75 |
| Kanowit | 0 | 3 | 0 | 10 | 31 |
| Selangau | 1 | 2 | 0 | 5 | 10 |
| Song | 0 | 6 | 0 | 6 | 10 |
| Kapit | 1 | 15 | 0 | 15 | 32 |
| Belaga | 1 | 4 | 0 | 5 | 27 |
| Tatau | 0 | 8 | 0 | 12 | 47 |
| Bintulu | 1 | 16 | 2 | 34 | 100 |
| Miri | 1 | 46 | 3 | 36 | 134 |
| Marudi | 3 | 10 | 0 | 18 | 59 |
| Limbang | 0 | 6 | 0 | 6 | 20 |
| Lawas | 0 | 1 | 0 | 2 | 15 |
| Sarawak | 18 | 270 | 13 | 322 | 974 |



A total of 18 dengue cases were reported in Epid. Week 13, 2012 compared to 23 cases during the same period in 2011.

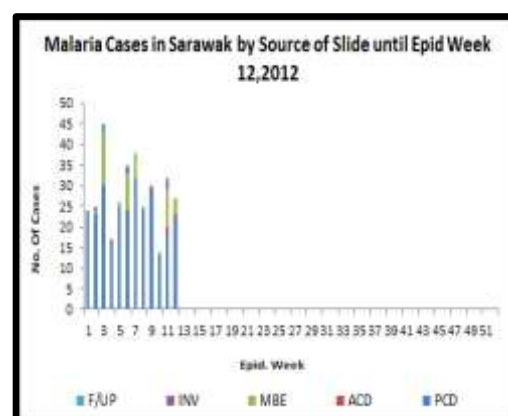
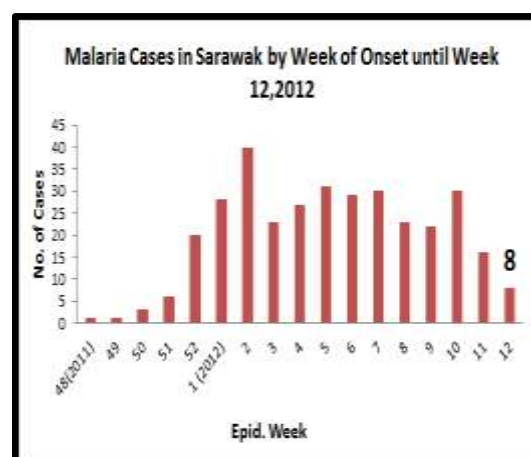
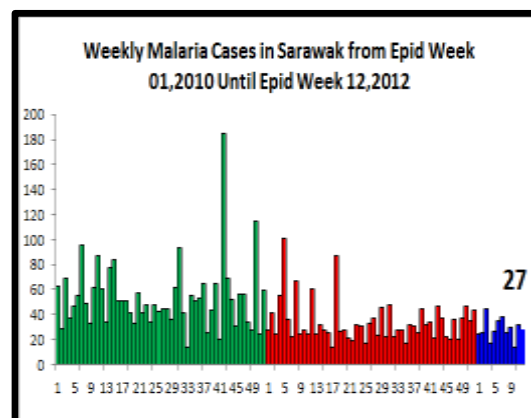
There was decrease of nine cases from the previous week.

No new outbreak was reported.

EW = Epid. Week; Cum. = Cumulative figure

8.2. Notified Malaria cases for Epid. Week 12, 2012 compared to Epid. Week 12, 2011 and cumulative cases until Epid. Week 12 in 2012.

| District | 2012 | | 2011 | | Total |
|----------------|-----------|------------|-----------|------------|-------------|
| | EW 12 | Cum. | EW 12 | Cum. | |
| Lundu | 1 | 5 | 0 | 16 | 33 |
| Bau | 0 | 0 | 0 | 0 | 5 |
| Kuching | 0 | 7 | 1 | 4 | 23 |
| Samarahan | 1 | 2 | 0 | 2 | 3 |
| Asajaya | 0 | 0 | 0 | 0 | 1 |
| Serian | 0 | 2 | 0 | 5 | 21 |
| Simunjan | 0 | 2 | 0 | 0 | 2 |
| Sri Aman | 0 | 4 | 0 | 4 | 17 |
| Lubok Antu | 0 | 8 | 0 | 5 | 25 |
| Betong | 1 | 9 | 1 | 10 | 47 |
| Saratok | 2 | 5 | 0 | 0 | 3 |
| Sarikei | 1 | 4 | 0 | 5 | 16 |
| Meradong | 0 | 1 | 0 | 2 | 9 |
| Pakan | 0 | 14 | 1 | 5 | 29 |
| Julau | 0 | 20 | 0 | 14 | 69 |
| Daro | 0 | 2 | 0 | 0 | 2 |
| Matu | 0 | 1 | 0 | 0 | 2 |
| Dalat | 0 | 1 | 0 | 1 | 10 |
| Mukah | 0 | 1 | 0 | 1 | 2 |
| Sibu | 3 | 21 | 0 | 10 | 52 |
| Kanowit | 0 | 17 | 1 | 20 | 89 |
| Selangau | 0 | 7 | 0 | 2 | 16 |
| Song | 2 | 14 | 1 | 16 | 78 |
| Kapit | 3 | 46 | 0 | 40 | 230 |
| Belaga | 3 | 16 | 3 | 29 | 139 |
| Tatau | 1 | 7 | 0 | 3 | 34 |
| Bintulu | 0 | 6 | 0 | 10 | 39 |
| Miri | 0 | 12 | 1 | 14 | 40 |
| Marudi | 8 | 81 | 50 | 277 | 670 |
| Limbang | 0 | 8 | 1 | 4 | 21 |
| Lawas | 1 | 15 | 0 | 11 | 34 |
| Sarawak | 27 | 338 | 60 | 510 | 1761 |



A total of 27 cases were reported on week 12, 2012. Cumulative cases till week 12 were 338 cases. Of the 338 cases, 81 cases (24%) from Marudi District, 46 cases (14%) from Kapit District and 21 cases (6%) Sibu District.

Notes: 1) EW = Epid. Week; Cum. = cumulative figure; 2) **All Malaria cases should be notified within 24 hours (Source: Vector Borne Disease Control Section, Sarawak Health Department)**

8.2.1. Malaria cases by slide source

| Slides source | 2012 | |
|------------------------------|-----------|------------|
| | EW 12 | Cum. |
| Passive Case Detection (PCD) | 22 | 278 |
| Active Case Detection (ACD) | 1 | 6 |
| Investigation slides (INV) | 0 | 3 |
| Mass Blood Survey (MBS) | 4 | 44 |
| Follow-up | 0 | 7 |
| Total | 27 | 338 |

8.2.2. Malaria cases by species

| Species | 2012 | |
|----------------------|-----------|------------|
| | EW 12 | Cum. |
| <i>P. vivax</i> | 16 | 133 |
| <i>P. falciparum</i> | 1 | 24 |
| <i>P. malariae</i> | 0 | 11 |
| <i>P.knowlesi</i> | 10 | 168 |
| <i>P.ovale</i> | 0 | 2 |
| Mixed | 0 | 0 |
| Total | 27 | 338 |

8.2.3. Malaria cases by case classification

| Classification | 2012 | |
|----------------|-----------|------------|
| | EW 12 | Cum. |
| Indigenous | 25 | 287 |
| *Imported A | 2 | 50 |
| Relapsed | 0 | 1 |
| Congenital | 0 | 0 |
| Total | 27 | 338 |

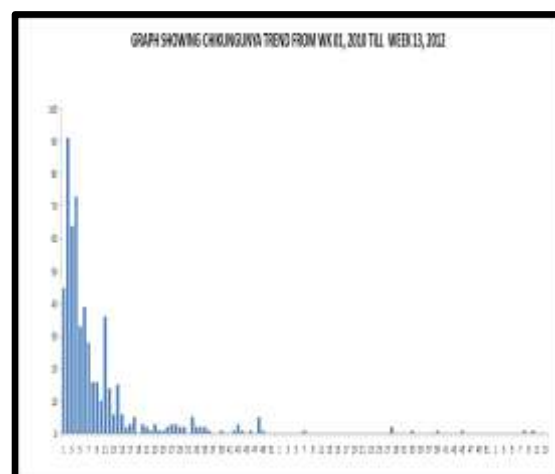
8.2.4. The summary of the *Imported A cases

| No. | District reported | Source of infection | Nationality | Age | Gender | Address in Sarawak | Species |
|-----|-------------------|---|-------------|-----|--------|--------------------------------|-----------------|
| 1 | Samarahan | Vanimo Jaya, Aitapz-Ramo, Papua New Guinea | Malaysian | 40 | Male | Tmn. Tiya Vista, Samarahan | <i>P. vivax</i> |
| 2 | Tatau | Syarikat Semarak (Samling), Selanga, Papua New Guinea | | 53 | | Km. 16, Jln. Tatau-Sibu, Tatau | |

KKB = Kem Kayu Balak (Logging Camp)

8.3. Notified Chikungunya cases for Epid. Week 13, 2012 compared to Epid. Week 13, 2011 and cumulative cases until Epid. Week 13 in 2012.

| District | 2012 | | 2011 | | TOTAL |
|----------------|----------|----------|----------|----------|----------|
| | WK 13 | CUM. | EW 13 | CUM. | |
| Lundu | 0 | 0 | 0 | 0 | 0 |
| Bau | 0 | 0 | 0 | 0 | 0 |
| Kuching | 0 | 0 | 0 | 0 | 1 |
| Samarahan | 0 | 0 | 0 | 0 | 0 |
| Asajaya | 0 | 1 | 0 | 0 | 1 |
| Serian | 0 | 0 | 0 | 0 | 1 |
| Simunjan | 0 | 0 | 0 | 0 | 0 |
| Sri Aman | 0 | 0 | 0 | 0 | 0 |
| Lubok Antu | 0 | 0 | 0 | 0 | 0 |
| Betong | 0 | 0 | 0 | 1 | 1 |
| Saratok | 0 | 0 | 0 | 0 | 0 |
| Sarikei | 0 | 0 | 0 | 0 | 0 |
| Meradong | 0 | 0 | 0 | 0 | 0 |
| Pakan | 0 | 0 | 0 | 0 | 0 |
| Julau | 0 | 0 | 0 | 0 | 0 |
| Daro | 0 | 0 | 0 | 0 | 1 |
| Matu | 0 | 0 | 0 | 0 | 0 |
| Dalat | 0 | 0 | 0 | 0 | 0 |
| Mukah | 0 | 0 | 0 | 0 | 0 |
| Sibu | 0 | 0 | 0 | 0 | 0 |
| Kanowit | 0 | 0 | 0 | 0 | 0 |
| Selangau | 0 | 0 | 0 | 0 | 0 |
| Song | 0 | 1 | 0 | 0 | 0 |
| Kapit | 0 | 0 | 0 | 0 | 0 |
| Belaga | 0 | 0 | 0 | 0 | 0 |
| Tatau | 0 | 0 | 0 | 0 | 0 |
| Bintulu | 0 | 0 | 0 | 0 | 0 |
| Miri | 0 | 0 | 0 | 0 | 0 |
| Marudi | 0 | 0 | 0 | 0 | 1 |
| Limbang | 0 | 0 | 0 | 0 | 0 |
| Lawas | 0 | 0 | 0 | 0 | 0 |
| SARAWAK | 0 | 2 | 0 | 1 | 6 |



No case of chikungunya was reported in Epid. Week 13, 2012. The cumulative cases of Chikungunya for 2012 remain as two.

EW = Epid. Week; Cum. = Cumulative figure

8.4. Filariasis

No case of Filariasis was reported in Epid Week 13, 2012. In 2012, the cumulative case of Filariasis remains as 7.

8.5 Japanese Encephalitis (JE)

No case of Japanese Encephalitis (JE) was reported in Epid. Week 13, 2012. The cumulative case of Japanese Encephalitis (JE) reported in 2012 remains as one.

9. SURVEILLANCE REPORT ON OTHER INFECTIOUS DISEASES

9.1. Viral Encephalitis

No viral encephalitis case was reported in Epid. Week 13, 2012. As at 31th March 2012, the cumulative cases of Viral Encephalitis reported remain as one.

9.2. Viral Hepatitis (all form)

Six chronic Hepatitis B, two chronic Hepatitis C, and one acute Hepatitis C cases were reported in Epid. Week 13, 2012.

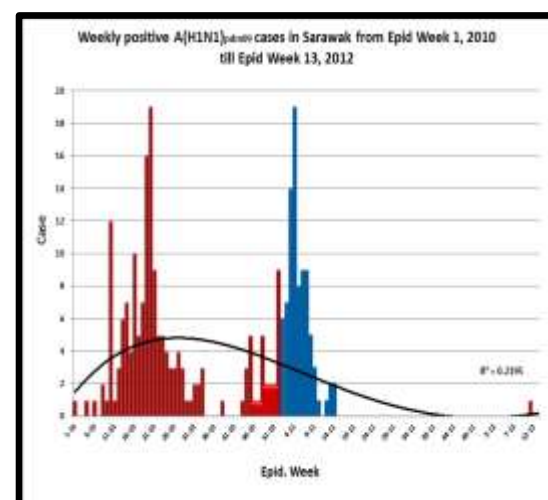
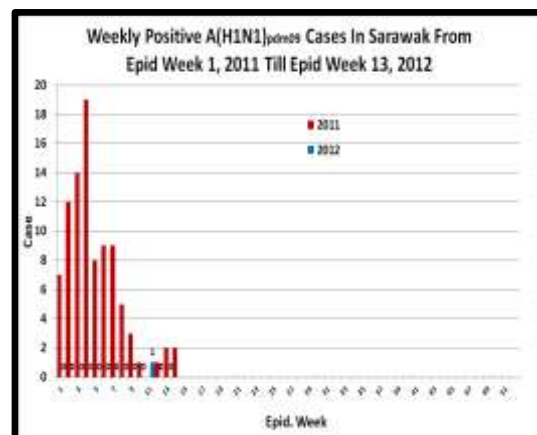
As at 31th March 2012, the total cases reported was 39 cases with two cases of Hepatitis A, four cases of acute Hepatitis B, 26 chronic Hepatitis B, five acute Hepatitis C cases and twelve chronic Hepatitis C cases.

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

10.1.A/H1N1_{pdm09}

10.1.1 Positive Pandemic Influenza A/H1N1_{pdm09} cases for Epid. Week 13, 2012 compared to Epid. Week 13, 2011 and cumulative cases until Epid. Week 13 in 2012.

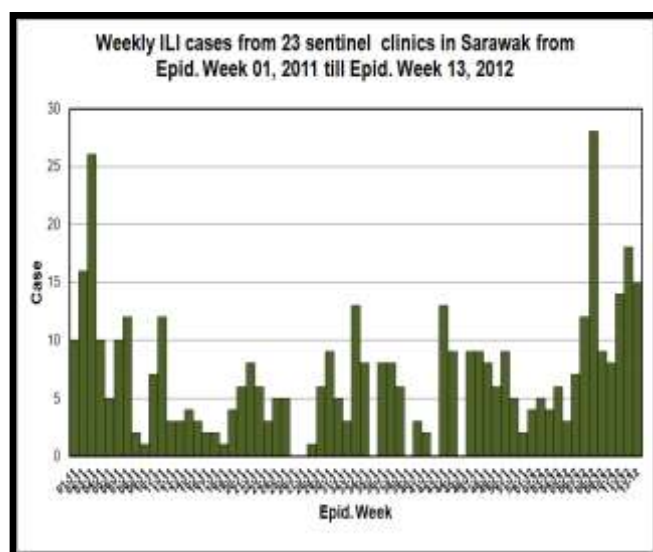
| District | 2012 | | 2011 | | Total |
|----------------|----------|----------|----------|-----------|-----------|
| | EW 13 | Cum. | EW 13 | Cum. | |
| Lundu | 0 | 0 | 1 | 2 | 2 |
| Bau | 0 | 0 | 0 | 0 | 0 |
| Kuching | 0 | 0 | 0 | 48 | 51 |
| Samarahan | 0 | 0 | 0 | 0 | 0 |
| Simunjan | 0 | 0 | 0 | 0 | 0 |
| Serian | 0 | 0 | 0 | 0 | 0 |
| Sri Aman | 0 | 0 | 0 | 0 | 0 |
| Lubok Antu | 0 | 0 | 0 | 0 | 0 |
| Betong | 0 | 0 | 1 | 1 | 1 |
| Saratok | 0 | 0 | 0 | 0 | 0 |
| Sarikei | 0 | 0 | 0 | 0 | 0 |
| Meradong | 0 | 0 | 0 | 0 | 0 |
| Julau | 0 | 0 | 0 | 0 | 0 |
| Daro | 0 | 0 | 0 | 0 | 0 |
| Dalat | 0 | 0 | 0 | 0 | 0 |
| Mukah | 0 | 0 | 0 | 0 | 0 |
| Sibu | 0 | 0 | 0 | 1 | 1 |
| Kanowit | 0 | 0 | 0 | 0 | 0 |
| Song | 0 | 0 | 0 | 0 | 0 |
| Kapit | 0 | 0 | 0 | 0 | 1 |
| Belaga | 0 | 0 | 0 | 2 | 1 |
| Tatau | 0 | 0 | 0 | 1 | 0 |
| Bintulu | 0 | 1 | 0 | 13 | 27 |
| Miri | 0 | 0 | 0 | 6 | 6 |
| Marudi | 0 | 0 | 0 | 0 | 0 |
| Limbang | 0 | 0 | 0 | 2 | 2 |
| Lawas | 0 | 0 | 0 | 1 | 1 |
| SARAWAK | 0 | 1 | 2 | 77 | 92 |



No A/H1N1_{pdm09} positive case was reported in Epid. Week 13, 2012 compared to two cases reported for the same Epid. Week 2011.

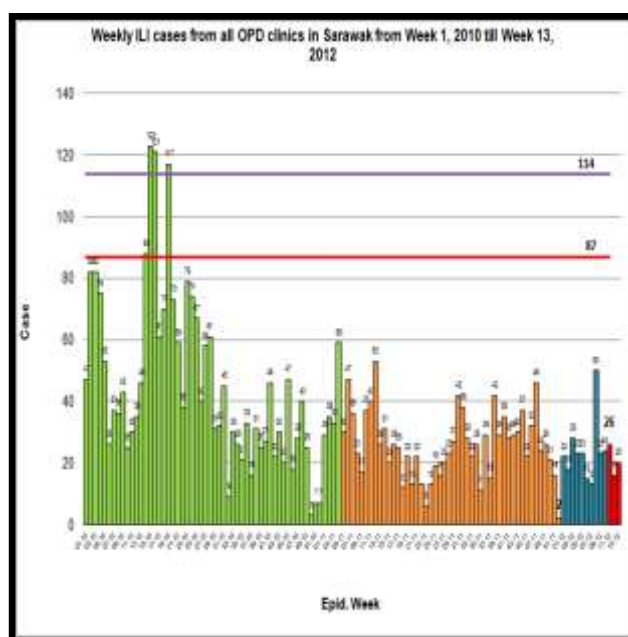
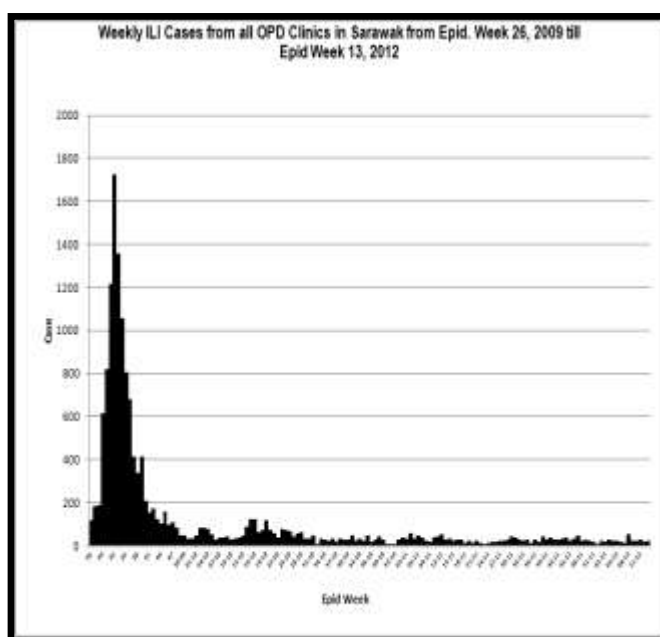
EW = Epid. Week; Cum. = cumulative figure

10.1.2 Outpatient Influenza-Like Illness (ILI) Surveillance from Epid. Week 1 in 2010 till Epid.Week 13 in 2012.



In Epid. Week 13, 2012, 15 cases of ILI reported from Sentinel clinics and 26 cases from 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).

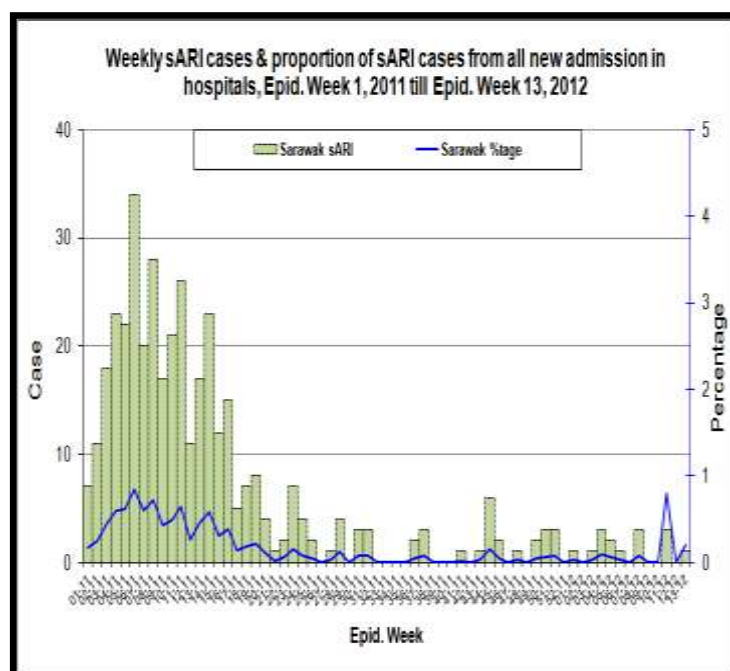


Referring to a letter dated 25 January 2011 from Office of the Deputy Director-General of Health (Public Health), Department of Public Health, Ministry of Health Malaysia about **PEMANTAUAN AKTIVITI A/H1N1pdm09 SECARA BERTERUSAN**, all PKB/PKD must send their daily H1N1 report as well as ILI and sARI surveillance activities to Operations Room, CPRC Unit, CDC Section, Sarawak Health Department **BEFORE 10.00 am every day**.

10.1.3. New and Cumulative ILI Clusters as of 24th March 2012.

No ILI cluster was reported. The last cluster was reported on 3rd November 2011.

10.1.4. 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)

10.1.5. Weekly Summary Report on sARI Admission in Government Hospitals in Sarawak as on 31th March 2012.

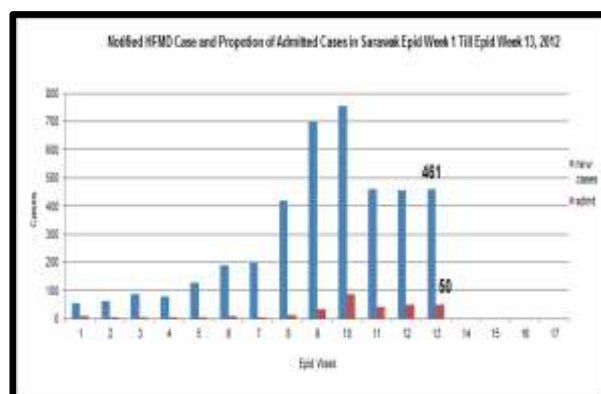
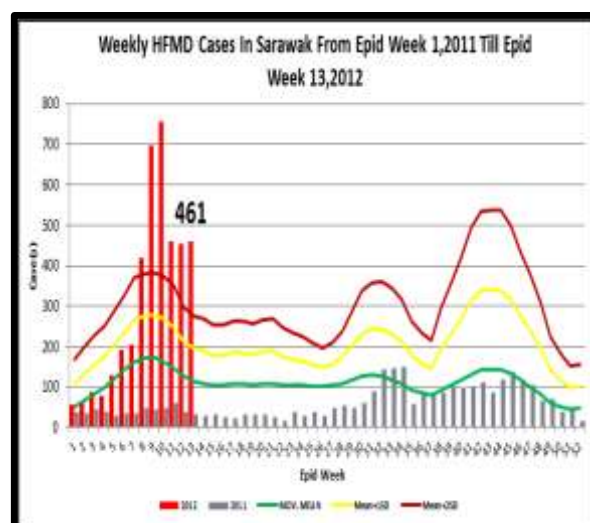
| Division | Hospital | New EW 13 | Cumulative 2012 | No. of Inpatient | | | No. of Patient on Ventilator | Throat swabs | | |
|-----------|-------------|-----------|-----------------|------------------|-----|-------------|------------------------------|--------------|---------|----------|
| | | | | ICU | ISO | Other wards | | Positive | Pending | Negative |
| Kuching | SGH Kuching | 2 | 19 | 0 | 2 | 0 | 0 | 0 | 2 | 0 |
| | Bau | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Lundu | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | RCBM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Sentosa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Samarahan | Serian | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Simunjan | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Sri Aman | Sri Aman | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Betong | Betong | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Saratok | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Sarikel | Sarikel | 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 | 2 | 10 | 0 | 2 | 0 | 0 | 0 | 2 | 0 |
| Miri | Miri | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Marudi | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Limbang | Limbang | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Lawas | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | | 4 | 31 | 0 | 4 | 0 | 0 | 0 | 4 | 0 |

EW = Epid. Week; Cum. = Cumulative figure

Four sARI cases were reported in Epid. Week 13, 2012 from SGH Kuching (2) and Bintulu Hospital (2). The sARI cases from SGH Kuching were negative for A/H1N1_{pdm09}. Cases from Bintulu Hospital are still pending for A/H1N1_{pdm09}.

10.2. Notified HFMD (masterlist) cases for Epid. Week 13, 2012 compared to Epid. Week 13, 2011 and cumulative cases in Epid. Week 13, 2011.

| District / Division | 2012 | | 2011 | | Total |
|---------------------|------------|-------------|-----------|------------|-------------|
| | EW (13) | Cum. | EW (13) | Cum. | |
| Lundu | 13 | 72 | 0 | 2 | 31 |
| Bau | 19 | 105 | 1 | 9 | 149 |
| Kuching | 154 | 1298 | 8 | 67 | 602 |
| KUCHING | 186 | 1475 | 9 | 78 | 782 |
| Samarahan | 14 | 240 | 1 | 6 | 127 |
| Asajaya | 3 | 37 | 0 | 0 | 35 |
| Simunjan | 2 | 50 | 0 | 0 | 19 |
| Serian | 10 | 129 | 0 | 0 | 39 |
| SAMARAHAN | 29 | 456 | 1 | 6 | 220 |
| Sri Aman | 17 | 145 | 3 | 11 | 97 |
| Lubok Antu | 1 | 20 | 0 | 1 | 18 |
| SRI AMAN | 18 | 165 | 3 | 12 | 115 |
| Betong | 16 | 162 | 1 | 13 | 57 |
| Saratok | 6 | 56 | 0 | 16 | 37 |
| BETONG | 22 | 218 | 2 | 29 | 94 |
| Sarikei | 16 | 139 | 2 | 53 | 188 |
| Meradong | 3 | 18 | 2 | 6 | 73 |
| Pakan | 6 | 40 | 1 | 2 | 7 |
| Julau | 17 | 40 | 0 | 1 | 32 |
| SARIKEI | 42 | 237 | 5 | 62 | 300 |
| Daro | 8 | 42 | 0 | 0 | 7 |
| Matu | 1 | 15 | 0 | 0 | 4 |
| Dalat | 3 | 28 | 0 | 12 | 84 |
| Mukah | 4 | 45 | 1 | 22 | 42 |
| MUKAH | 16 | 130 | 1 | 34 | 137 |
| Sibu | 11 | 146 | 1 | 31 | 149 |
| Kanowit | 2 | 15 | 1 | 0 | 6 |
| Selangau | 1 | 11 | 0 | 2 | 22 |
| SIBU | 14 | 172 | 2 | 33 | 177 |
| Song | 2 | 9 | 0 | 32 | 12 |
| Kapit | 8 | 114 | 0 | 0 | 64 |
| Belaga | 0 | 18 | 0 | 4 | 55 |
| KAPIT | 10 | 141 | 0 | 36 | 131 |
| Tatau | 1 | 61 | 1 | 8 | 25 |
| Bintulu | 48 | 415 | 2 | 100 | 25 |
| BINTULU | 49 | 476 | 3 | 85 | 772 |
| Miri | 28 | 273 | 2 | 55 | 324 |
| Marudi | 7 | 33 | 1 | 33 | 49 |
| MIRI | 35 | 306 | 3 | 88 | 373 |
| Limbang | 33 | 234 | 2 | 7 | 65 |
| Lawas | 7 | 50 | 0 | 0 | 4 |
| LIMBANG | 40 | 284 | 2 | 7 | 69 |
| SARAWAK | 461 | 4060 | 30 | 493 | 3170 |



A total of 461 HFMD cases reported in Epid. Week 13, 2012 compared to only 30 cases during the same period in 2011.

The top five districts with the highest total number of reported cases in 2012 were:

1. Kuching
2. Bintulu
3. Sarikei
4. Limbang
5. Miri

EW = Epid. Week; Cum. = Cumulative figure

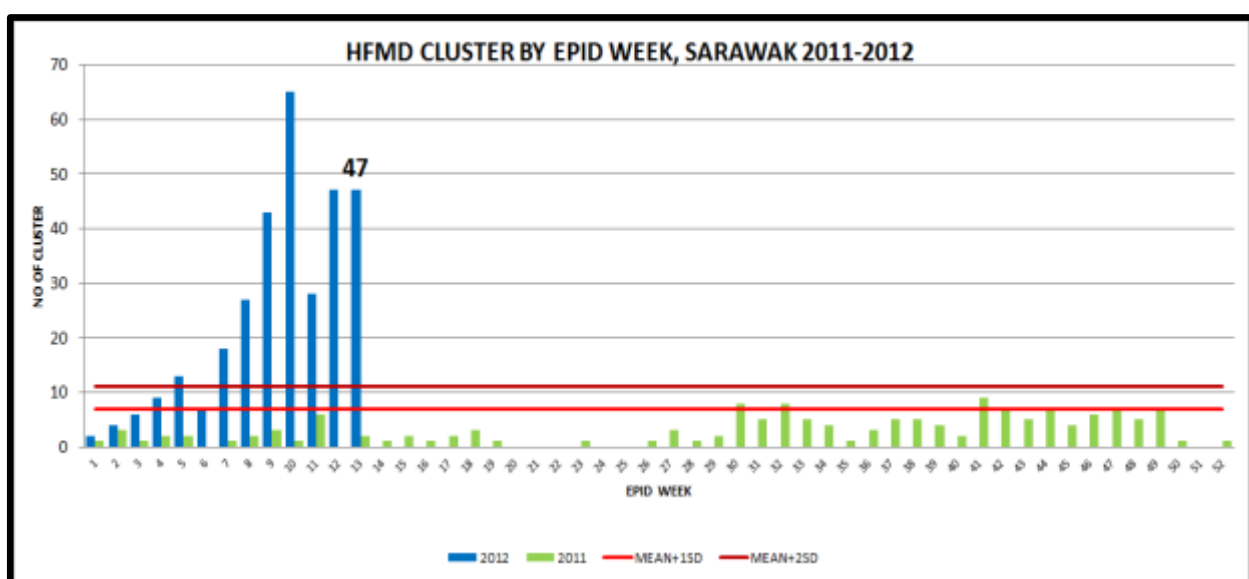
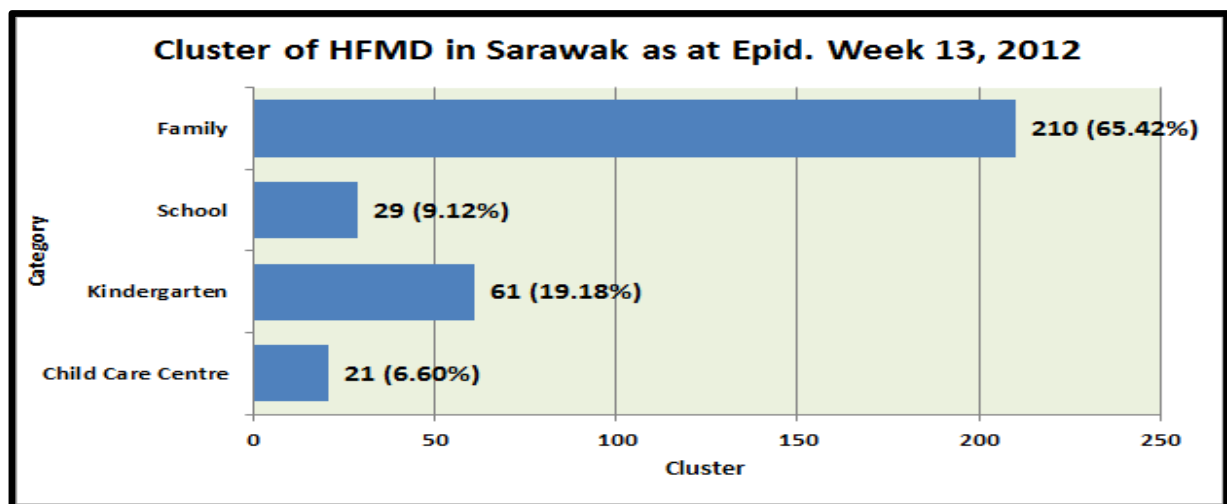
10.2.1 Comparison of total number of notified HFMD cases and registered HFMD cases in e-Notifikasi system by district as at 31st March 2012.

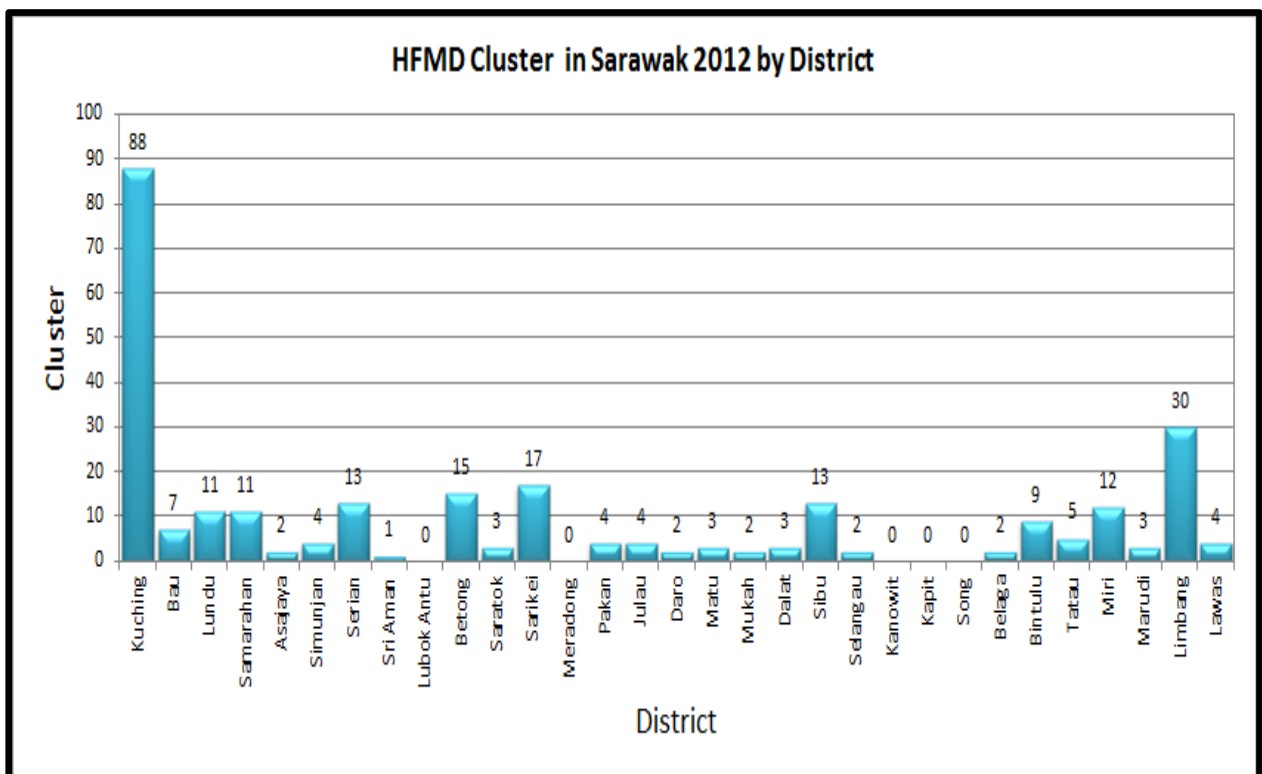
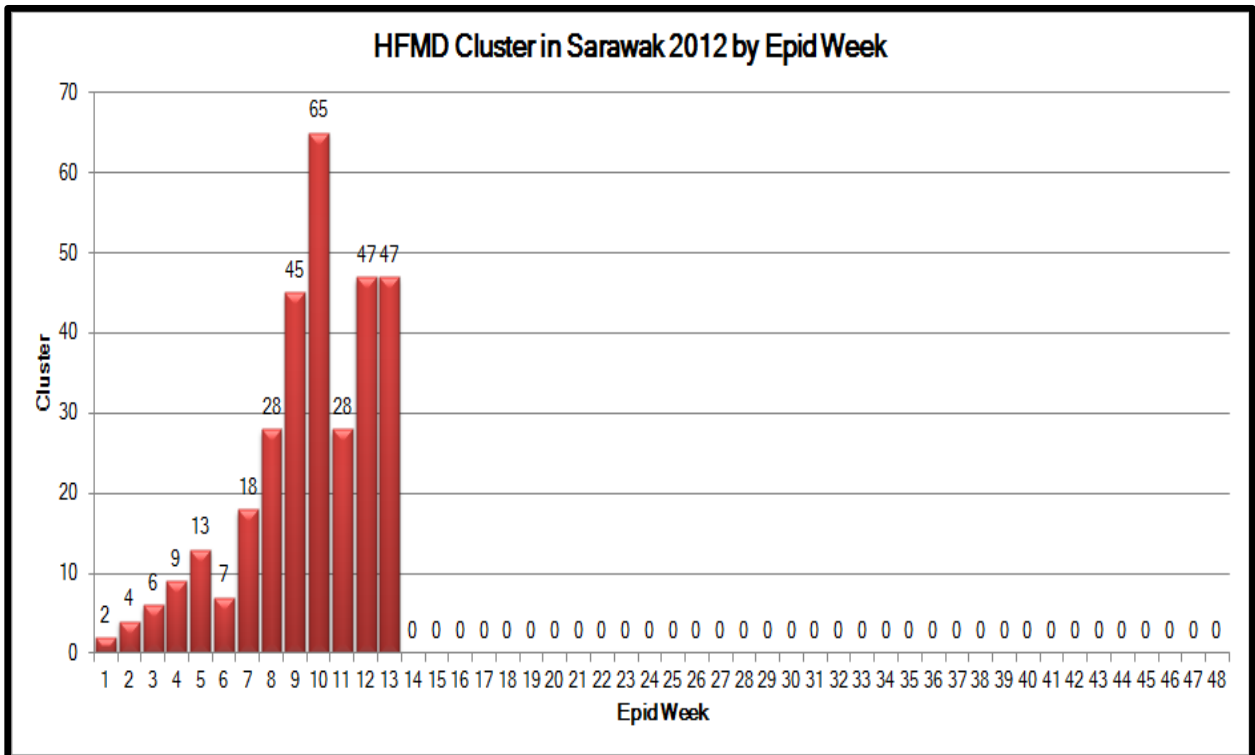
| District | Masterlist | | Registered Case | | Back Log | |
|------------|------------|-------|-----------------|-------|----------|-------|
| | EW 13 | Total | EW 13 | Total | EW 13 | Total |
| Kuching | 154 | 1298 | 111 | 1255 | 43 | 43 |
| Bau | 19 | 105 | 18 | 104 | 1 | 1 |
| Lundu | 13 | 72 | 11 | 70 | 2 | 2 |
| KUCHING | 186 | 1475 | 140 | 1429 | 46 | 46 |
| Samarahan | 14 | 240 | 14 | 240 | 0 | 0 |
| Asajaya | 3 | 37 | 3 | 37 | 0 | 0 |
| Simunjan | 2 | 50 | 0 | 34 | 2 | 16 |
| Serian | 10 | 129 | 9 | 128 | 1 | 1 |
| SAMARAHAN | 29 | 456 | 26 | 439 | 3 | 17 |
| Sri Aman | 17 | 145 | 17 | 143 | 3 | 2 |
| Lubok Antu | 1 | 20 | 1 | 20 | 0 | 0 |
| SRI AMAN | 18 | 165 | 18 | 163 | 3 | 2 |
| Betong | 16 | 162 | 3 | 149 | 13 | 13 |
| Saratok | 6 | 56 | 3 | 53 | 3 | 3 |
| BETONG | 22 | 218 | 6 | 202 | 16 | 16 |
| Sarikei | 16 | 139 | 0 | 120 | 16 | 19 |
| Meradong | 3 | 18 | 3 | 18 | 0 | 0 |
| Pakan | 6 | 40 | 6 | 40 | 0 | 0 |
| Julau | 17 | 40 | 4 | 27 | 13 | 13 |
| SARIKEI | 42 | 237 | 13 | 205 | 29 | 32 |
| Daro | 8 | 42 | 0 | 34 | 8 | 8 |
| Matu | 1 | 15 | 0 | 12 | 1 | 3 |
| Mukah | 4 | 45 | 4 | 45 | 0 | 0 |
| Dalat | 3 | 28 | 3 | 28 | 0 | 0 |
| MUKAH | 16 | 130 | 7 | 119 | 9 | 11 |
| Sibu | 11 | 146 | 11 | 146 | 0 | 0 |
| Selangau | 1 | 11 | 1 | 11 | 0 | 0 |
| Kanowit | 2 | 15 | 0 | 3 | 2 | 12 |
| SIBU | 14 | 172 | 12 | 160 | 2 | 12 |
| Kapit | 8 | 114 | 0 | 74 | 8 | 40 |
| Song | 2 | 9 | 1 | 8 | 1 | 1 |
| Belaga | 0 | 18 | 0 | 17 | 0 | 1 |
| KAPIT | 10 | 141 | 1 | 99 | 9 | 42 |
| Bintulu | 48 | 415 | 1 | 368 | 47 | 47 |
| Tatau | 1 | 61 | 0 | 45 | 1 | 16 |
| BINTULU | 49 | 476 | 1 | 413 | 48 | 63 |
| Miri | 28 | 273 | 0 | 226 | 28 | 47 |
| Marudi | 7 | 33 | 0 | 26 | 7 | 7 |
| MIRI | 35 | 306 | 0 | 252 | 35 | 54 |
| Limbang | 33 | 234 | 0 | 200 | 33 | 34 |
| Lawas | 7 | 50 | 0 | 29 | 7 | 21 |
| LIMBANG | 40 | 284 | 0 | 229 | 40 | 55 |
| SARAWAK | 461 | 4060 | 224 | 3710 | 240 | 350 |

10.2.2. Cumulative HFMD Clusters as of 31th March 2012.

A total of 47 HFMD clusters were reported in Epid.Week 13, 2012. Kuching Division reported the most clusters with 21 clusters, followed by Samarahan (5), Betong (5), Sarikei (5), Limbang (5), Bintulu (3), and Miri (3) Districts. These clusters involving 30 families, 12 preschools, 2 primary school and 3 day care centres.

As at 31st March 2012, a total of 321 clusters were reported. Of these, 210 (65.42%) were family clusters, 21 child care centres (6.60%), 61 kindergartens (19.18%), and 29 (9.12%) were primary schools.





10.3. Notified Leptospirosis cases for Epid. Week 13, 2012 compared to Epid. Week 13, 2011 and cumulative cases till Epid. Week 13 in 2012.

| District / Division | Case classification | | | | Total | | Total |
|---------------------|---------------------|--------------|--------------|--------------|---------------|-----------------|---------------|
| | Confirmed | | Probable | | 2012 | 2011 | 2010 |
| | EW (13) 2012 | EW (13) 2011 | EW (13) 2012 | EW (13) 2011 | | | |
| Lundu | 0 | 0 | 0 | 0 | 0 | 7 | 0 |
| Bau | 0 | 0 | 0 | 0 | 1 | 4 (1) | 1 |
| Kuching | 0 | 0 | 0 | 0 | 6 | 40 (2) | 12 |
| KUCHING | 0 | 0 | 0 | 0 | 7 | 51 (3) | 13 |
| Samarahan | 0 | 0 | 0 | 0 | 0 | 3 | 1 |
| Asajaya | 0 | 0 | 0 | 0 | 0 | 3 | 0 |
| Simunjan | 0 | 0 | 0 | 0 | 1 | 8 (1) | 1 |
| Serian | 0 | 0 | 0 | 0 | 0 | 10 (2) | 2 |
| SAMARAHAN | 0 | 0 | 0 | 0 | 1 | 24 (2) | 4 |
| Sri Aman | 0 | 0 | 0 | 0 | 3 | 13 (2) | 1 |
| Lubok Antu | 0 | 0 | 0 | 0 | 5 (1) | 11 | 3 (1) |
| SRI AMAN | 0 | 0 | 0 | 0 | 8 (1) | 24 (2) | 4 (1) |
| Betong | 0 | 0 | 0 | 0 | 2 | 5 (1) | 0 |
| Saratok | 0 | 0 | 0 | 0 | 0 | 5 | 0 |
| BETONG | 0 | 0 | 0 | 0 | 2 | 10 (1) | 0 |
| Sarikei | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| Meradong | 0 | 0 | 0 | 0 | 0 | 24 | 1 |
| Pakan | 0 | 0 | 0 | 0 | 0 | 3 | 1 |
| Julau | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| SARIKEI | 0 | 0 | 0 | 0 | 1 | 28 | 4 |
| Daro | 0 | 0 | 0 | 0 | 0 | 1 (1) | 1 |
| Matu | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dalat | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mukah | 0 | 0 | 0 | 0 | 0 | 3 | 1 |
| MUKAH | 0 | 0 | 0 | 0 | 0 | 4 (1) | 2 |
| Sibu | 0 | 0 | 0 | 0 | 1 | 2 | 6 |
| Kanowit | 0 | 0 | 0 | 0 | 0 | 4 | 1 |
| Selangau | 0 | 0 | 0 | 0 | 0 | 3 | 0 |
| SIBU | 0 | 0 | 0 | 0 | 1 | 9 | 7 |
| Song | 0 | 0 | 0 | 0 | 0 | 1 | 2 |
| Kapit | 0 | 0 | 0 | 0 | 2 | 12 | 1 |
| Belaga | 0 | 0 | 0 | 0 | 0 | 7 (1) | 0 |
| KAPIT | 0 | 0 | 0 | 0 | 2 | 20 (1) | 3 |
| Tatau | 0 | 0 | 0 | 0 | 1 | 1 | 0 |
| Bintulu | 0 | 0 | 0 | 0 | 2 | 11 (3) | 6 |
| BINTULU | 0 | 0 | 0 | 0 | 3 | 12 (3) | 6 |
| Miri | 0 | 0 | 0 | 0 | 1 | 12 | 3 |
| Marudi | 0 | 0 | 0 | 0 | 0 | 2 | 2 |
| MIRI | 0 | 0 | 0 | 0 | 1 | 14 | 5 |
| Limbang | 0 | 0 | 2 | 0 | 5 | 2 (1) | 1 |
| Lawas | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| LIMBANG | 0 | 0 | 2 | 0 | 5 | 2 (1) | 1 |
| SARAWAK | 0 | 0 | 2 | 0 | 31 (1) | 198 (15) | 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

District indicates source of infection.

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

10.4. Notified Melioidosis cases for Epid. Week 13, 2011 compared to Epid. Week 13, 2011 and cumulative cases until Epid.Week 13, 2012.

| District / Division | Case classification | | | | Total | | Total |
|---------------------|---------------------|--------------|--------------|--------------|--------------|-----------------|-----------------|
| | Confirmed | | Probable | | 2012 | 2011 | 2010 |
| | EW (13) 2012 | EW (13) 2011 | EW (13) 2012 | EW (13) 2011 | | | |
| Lundu | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Bau | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| Kuching | 0 | 0 | 0 | 0 | 1 | 4 | 12 (1) |
| KUCHING | 0 | 0 | 0 | 0 | 1 | 5 | 12 (1) |
| Samarahan | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Asajaya | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Simunjan | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Serian | 0 | 0 | 0 | 0 | 0 | 1 | 1 (1) |
| SAMARAHAN | 0 | 0 | 0 | 0 | 0 | 1 | 1 (1) |
| Sri Aman | 0 | 0 | 0 | 1 | 0 | 3 | 0 |
| Lubok Antu | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| SRI AMAN | 0 | 0 | 0 | 1 | 0 | 4 | 0 |
| Betong | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| Saratok | 0 | 0 | 0 | 0 | 0 | 0 | 1 (1) |
| BETONG | 0 | 0 | 0 | 0 | 0 | 0 | 3 (1) |
| Sarikei | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| Meradong | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| Pakan | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Julau | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| SARIKEI | 0 | 0 | 0 | 0 | 0 | 0 | 6 |
| Daro | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Matu | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dalat | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Mukah | 0 | 0 | 0 | 0 | 0 | 2 | 3 (1) |
| MUKAH | 0 | 0 | 0 | 0 | 0 | 2 | 4 (1) |
| Sibu | 0 | 0 | 0 | 0 | 1 (1) | 1 | 5 (1) |
| Kanowit | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| Selangau | 0 | 0 | 0 | 0 | 0 | 4 | 6 (2) |
| SIBU | 0 | 0 | 0 | 0 | 1 | 6 | 12 (3) |
| Song | 0 | 0 | 0 | 0 | 0 | 1 | 7 (2) |
| Kapit | 0 | 1(1) | 0 | 0 | 2 | 62 (3) | 162 (1) |
| Belaga | 0 | 0 | 0 | 0 | 0 | 21 (4) | 28 (1) |
| KAPIT | 0 | 1(1) | 0 | 0 | 2 | 84 (7) | 197 (4) |
| Tatau | 0 | 0 | 0 | 0 | 0 | 4 (1) | 14 (4) |
| Bintulu | 0 | 0 | 0 | 0 | 0 | 6 | 49 (1) |
| BINTULU | 0 | 0 | 0 | 0 | 0 | 10 (1) | 63 (5) |
| Miri | 0 | 0 | 0 | 0 | 0 | 6 (2) | 35 (1) |
| Marudi | 0 | 0 | 0 | 0 | 0 | 1 | 7 |
| MIRI | 0 | 0 | 0 | 0 | 0 | 7 (2) | 42 (1) |
| Limbang | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| Lawas | 0 | 0 | 0 | 0 | 0 | 0 | 1 (1) |
| LIMBANG | 0 | 0 | 0 | 0 | 0 | 0 | 3 (1) |
| SARAWAK | 0 | 1(1) | 0 | 1 | 4 (1) | 119 (10) | 343 (18) |

Note: () Death; EW = Epid. Week
District indicates source of infection

10.4.1. Melioidosis Death case (Positive) in 2012

| No. | # District | ® Hospital | Age | Race | Gender | Date Of Death | Concurrent Medical Illness | Occupation |
|-----|------------|------------|-----|------|--------|---------------|----------------------------|------------|
| 1 | Selangau | Sibu | 48 | Iban | Female | 09/02/2012 | DM, HPT & Asthma | Farmer |

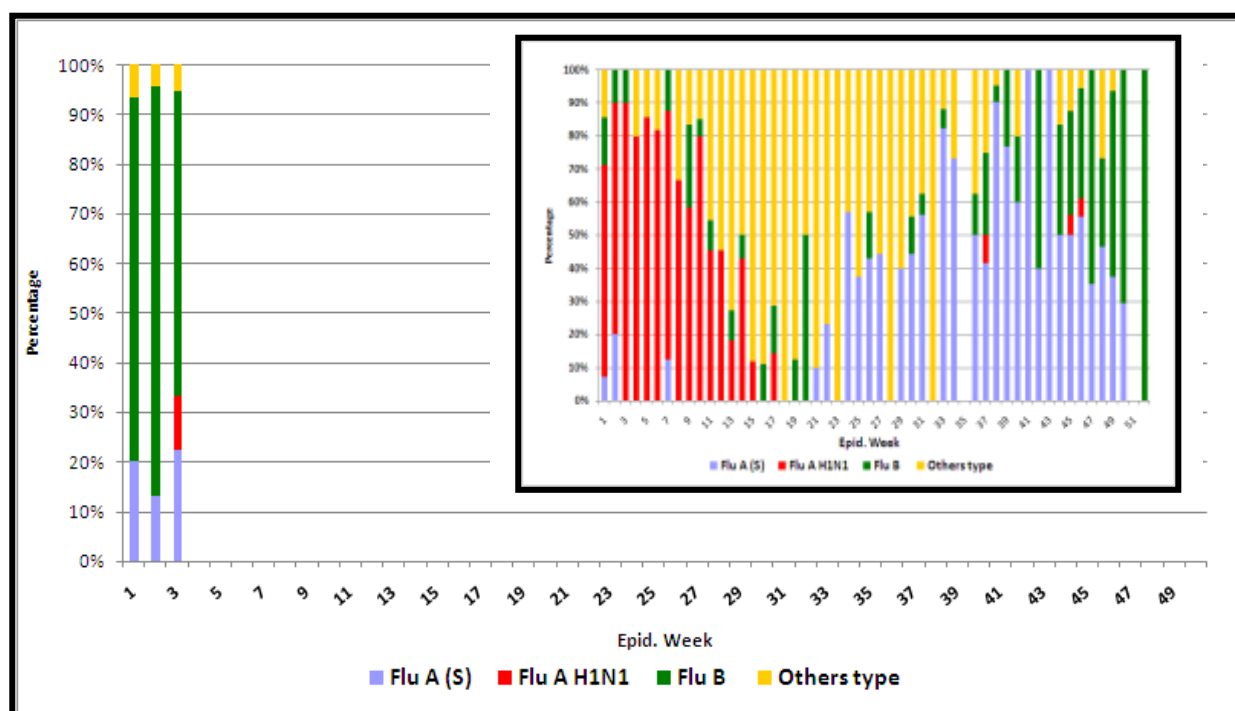
* SGH = Sarawak General Hospital

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

® Hospital indicate facility where patient admitted

11. LABORATORY BASED SURVEILLANCE

11.1. Malaysia Influenza Surveillance System (MISS) (not included Sabah*) from Epid Week 1 till Epid Week 3, 2012 compared to 2011 (insert).



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

In Malaysia, as at Epid Week 03, 2012, a total of 287 throat swab specimens were analysed at MKAK Sg Buloh. Of these, 56 specimens isolated various types of influenza virus i.e. virus Flu A(H1N1)_{pdm09} (2), Flu A(s) [10], Flu B (2), and other types of virus (3). Other viruses which are under category of others-type: Adenovirus (1), RSV (1) and Enterovirus (1).

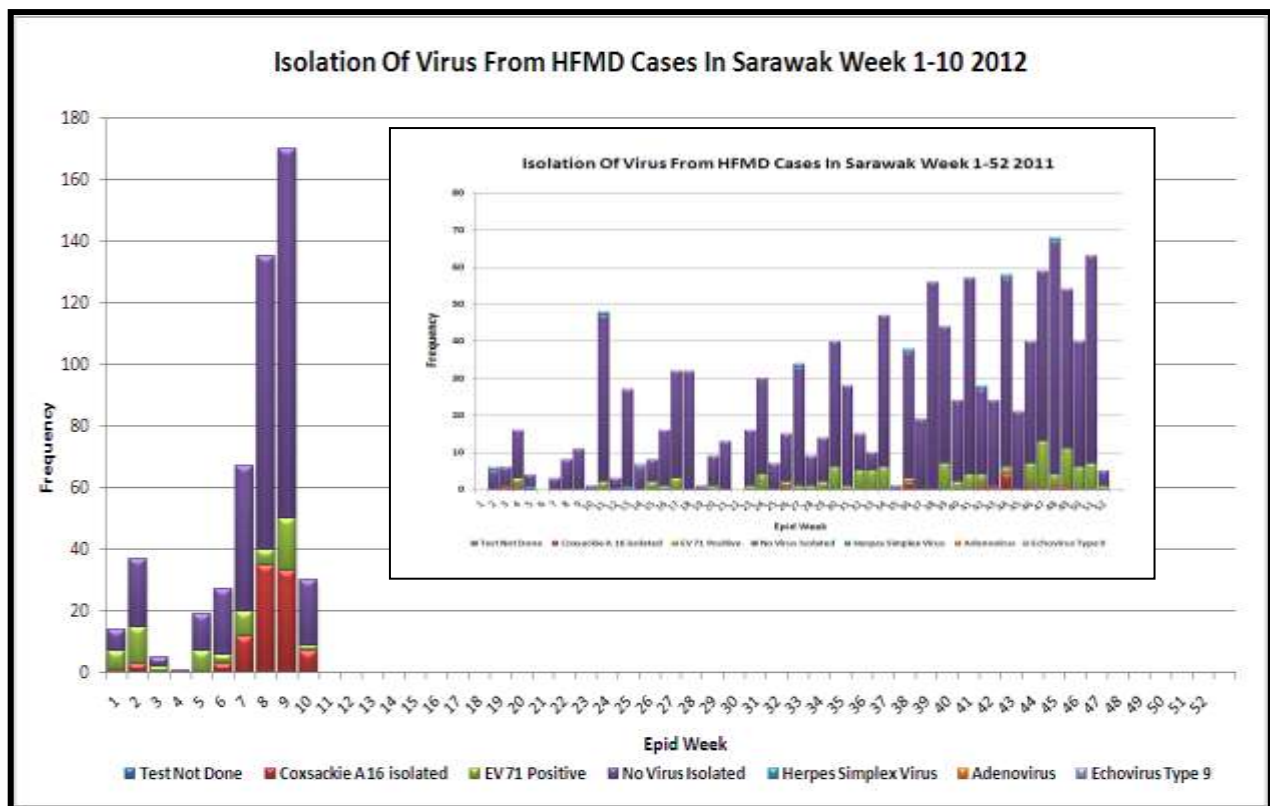
11.2. Laboratory Based Surveillance for Measles in Malaysia

In Malaysia, as at Epid. Week 3, 2012, a total of 353 serum specimens for serology test were sent to MKAK Sg. Buloh and MKAK Kota Kinabalu. Of these, 129 were positive for IgM Measles (with 5 equivocal) and 17 positive for IgM Rubella.

For Sarawak, as at Epid Week 3, 2012, a total of 63 specimens for serology test were sent to MKAK Sg Buloh, 28 were positive for IgM Measles and two were positive for IgM Rubella. The positive specimens for IgM Measles were received from Miri (20), Bintulu (7) and Sibul (1) Districts.

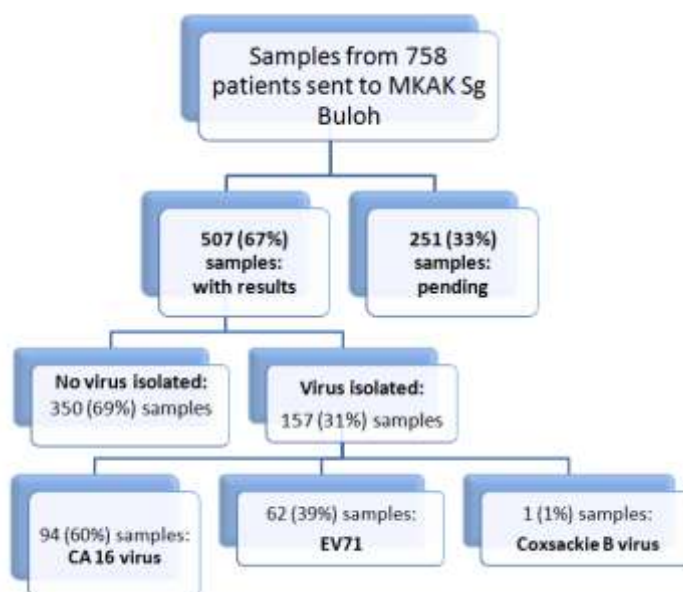
In 2011, Sarawak Health Department sent a total of 360 serum specimens for serology test to MKAK Sg. Buloh. Of these, 40 were positive for IgM Measles (with 6 equivocal) and 40 positive for Rubella (with 17 equivocal).

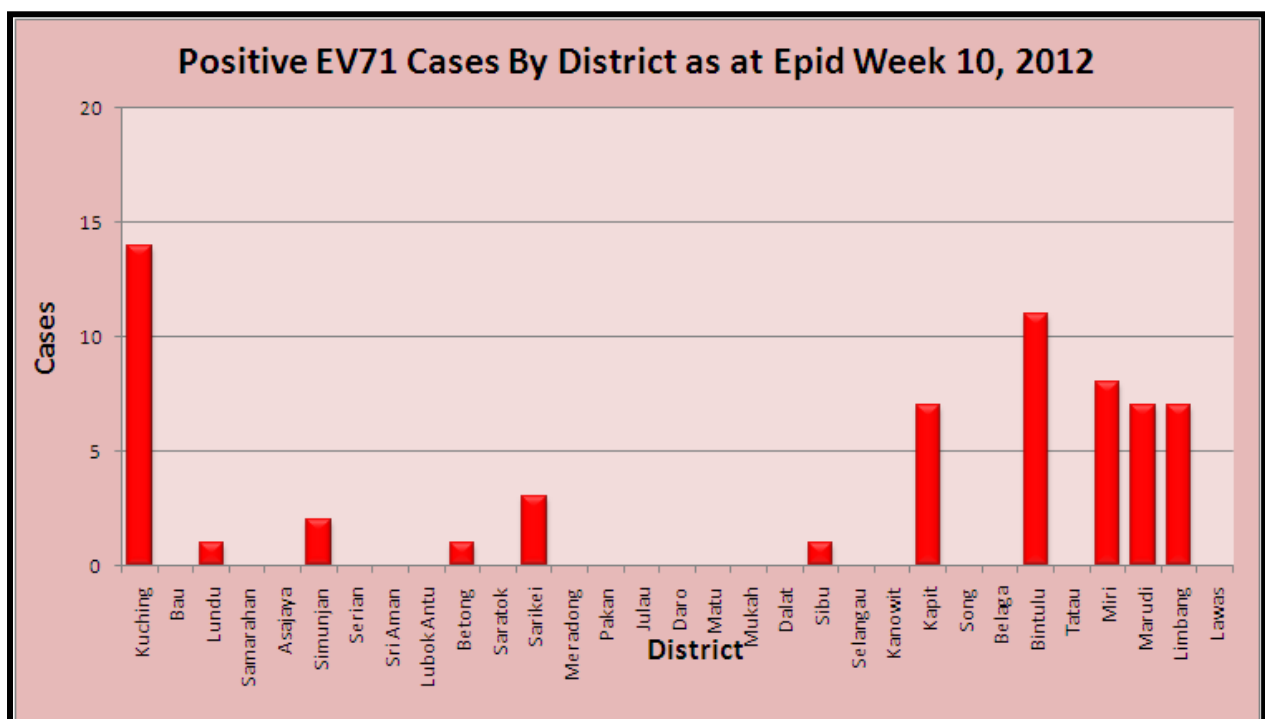
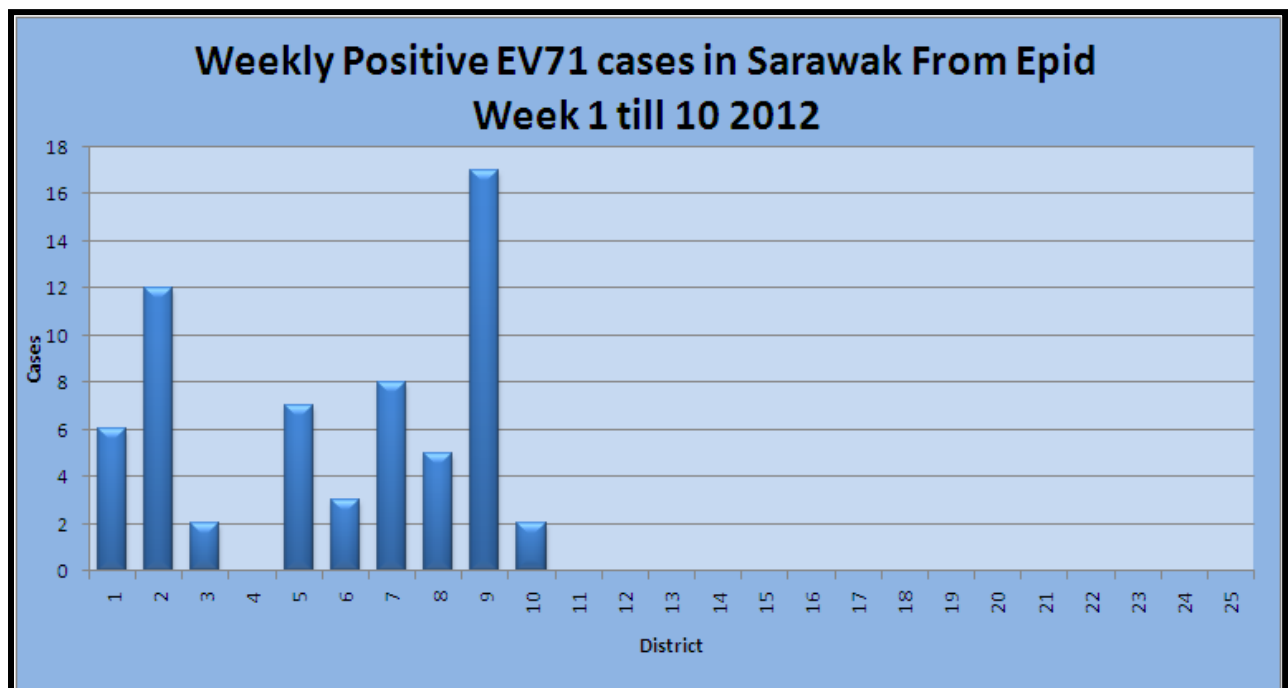
11.3. Laboratory Based Surveillance for HFMD in Sarawak from Epid Week 1 till Epid Week 10, 2012 compared to 2011 (insert).



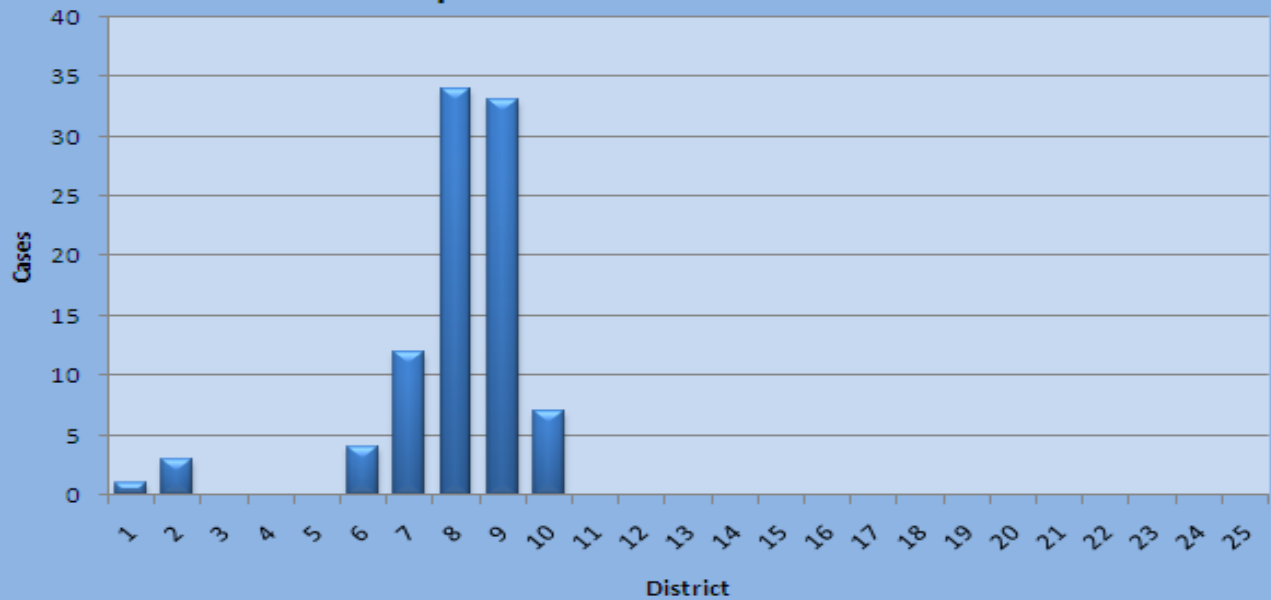
*results from EW 7, 2012 onwards are still pending

As at 18th February, 2012, specimens from 758 HFMD cases were sent to MKAK Sg. Buloh for viral isolation. Of these, 157 (31%) specimens isolated viruses: Coxsackie A16 virus (94), EV71 (62), and Coxsackie B virus (1). No viruses isolated in 350 specimens and another 251 specimens are still pending.

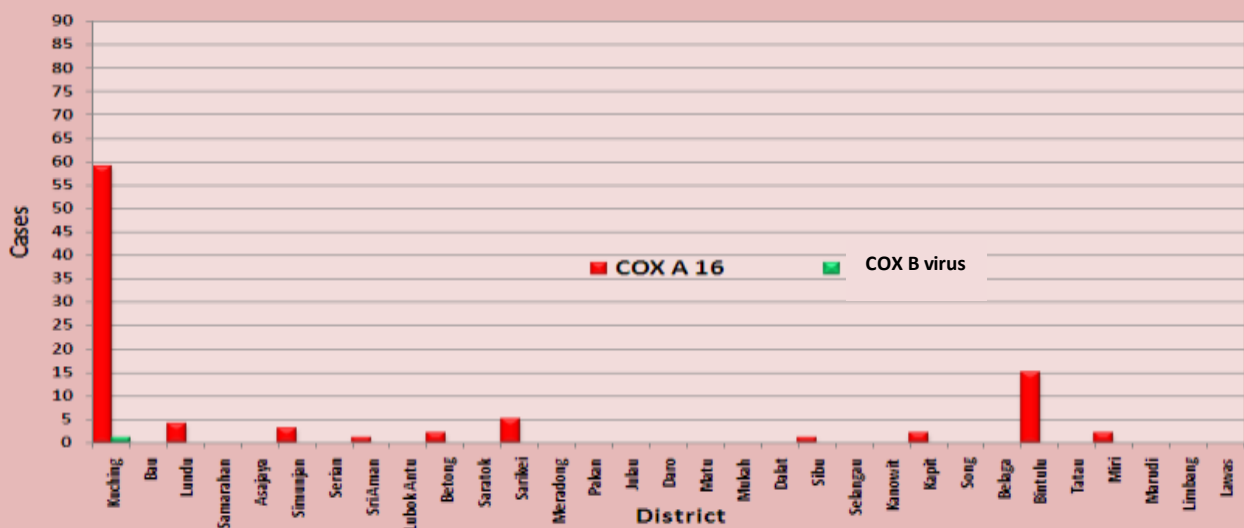




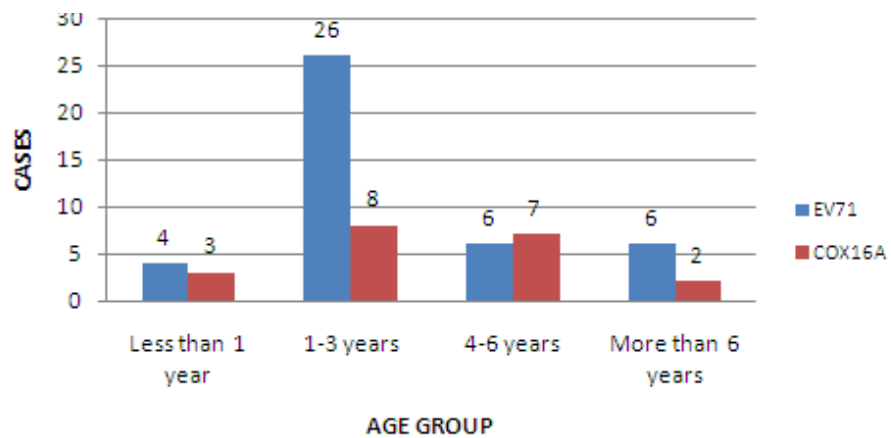
**Weekly Positive Cox A 16 cases in Sarawak From
Epid Week 1 till 10 2012**



Positive Cocksackie 16A Cases By District as at Epid Week 10, 2012



Distribution of HFMD cases by age group in Sarawak for EV71 and CA 16 virus positive cases



| 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)

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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.