



## Highlights of Diseases and Events in Week 45, November 2014

### **Situation of Chickenpox on 17 November 2014**

- During the previous 10 years, the number of chickenpox cases started to increase in January and reached highest in February-March. The number of cases reported in 45<sup>th</sup> week increased 3.3 times when compared with that of 44<sup>th</sup> week. As it is now approaching the outbreak season of chickenpox, the number of cases is likely to get higher significantly. Total 695 cases were reported on 1-17 November 2014. About 2,357 cases and 2,834 cases are predicted to be identified in November and December respectively.
- Top 3 provinces that were reporting more number of cases in 45<sup>th</sup> week included Yala, Nong Bua Lamphu and Pattani. However, no province had reported the cases more than 10% higher than that of 44<sup>th</sup> week.
- During last week, there was no new outbreak reported. When reviewing the situation in this year, outbreaks were frequently occurred in prison, school and childcare center.
- As for international situation, a chickenpox outbreak was occurred in one prison of Columbia, with about 22 cases, and one school in Penobscot County, Maine State, USA.

## **Situation of Dengue Fever, Dengue Hemorrhagic Fever and Dengue Shock**

### **Syndrome on 18 November 2014**

- The Bureau of Epidemiology was reported through 506 that there were total 34,021 probable and confirmed dengue cases, with attack rate of 53.09 per 100,000 population, and 30 deaths, with mortality rate of 0.05% and case fatality rate of 0.09%.
- Although the total number of cases are decreasing, data of 37-40<sup>th</sup> week showed the possibility of higher trend than the median. Actually, there should be a downward trend in the same direction as the median. Thus, despite the outbreak situation is starting to tail off, surveillance should be continued strictly in order to prevent new cases.
- Provinces that showed high attack rate and should continue for surveillance and prevention measures include Lop Buri, Chaiyaphum, Bueng Kan, Uthai Thani, Nakhon Sri Thammarat, Pattalung, Pattani and Narathiwat.
- There was no death reported in this week.

### **Situation of Acute Diarrhea on 19 November 2014**

- There were total 972,620 cumulative acute diarrhea cases from 1 January to 19 November 2014, with attack rate of 1508.95 per 100,000 population. Total 15,649 new cases and 9 deaths were reported in last week. During November 2014, 24,202 cases were reported and 62,490 cases are predicted to be reported in November and 50,586 cases in December.
- During this week, only one province, Prachuap Khiri Khan, had reported 10-30% higher number of cases than that of 44<sup>th</sup> week and Khon Kaen Province had reported more than 30% than 44<sup>th</sup> week. These provinces should conduct surveillance in the area and collect stool specimens in order to prevent cholera outbreak.
- The age group of 0-5 years old has the highest attack rate per 100,000 population (6670.16), including 60% for 1 years old, 19% for 2 years old, 12% for 3 years old and 8% for 4 years old.
- Although acute diarrhea can be occurred by various causes, rotavirus should be under surveillance during this period as the winter is starting. As the rotavirus usually

infects less than 2 years old children, children in this age group should be monitored closely.

#### **Situation of Influenza on 24 November 2014**

- The ILI surveillance data showed the increasing trend from 43<sup>rd</sup> week and proportion of ILI cases among patients treated in the outpatient department in 45<sup>th</sup> week was 2.67% while there was 4.21% in 46<sup>th</sup> week.
- Situation of influenza showed that the number of cases started to decrease, with 1,612 cases reported in 36<sup>th</sup> week and 1,244 cases in 40<sup>th</sup> week. However, province that should continue for surveillance closely is Rayong (with attack rate more than 20 per 100,000 population during previous 4 weeks).
- During this week, 2 deaths due to influenza A H1N1 2009 and influenza B were reported from Si Sa Ket Province.

#### **Situation of Hand, Foot and Mouth Disease on 18 November 2014**

- Total 288 new cases were reported in 45<sup>th</sup> week which was 70% lower than the previous week. Number of cumulative cases during first 2 weeks of November was 734 cases which was lower than the number predicted (4,500 cases). Despite that, the situation should be monitored closely as small outbreaks usually occurred during the end of year to beginning of next year until February for a few years already.
- There were 34 provinces that have reported more than 50% higher than that of 2013.
- There was no outbreak reported in this week.

#### **Situation of Measles on 18 November 2014**

- During 45<sup>th</sup> week, only 6 new cases were reported which was 65% lower than the previous week. Number of cumulative cases during first 2 weeks of November was 14 cases which was lower than the number predicted (at least 90 cases). Reviewing the previous situation, the number of cases increased in November occasionally and no outbreak was reported in every year, except during the year 2011.

- There were 11 provinces that have reported the number of cases more than 30% higher than that of 2013, which included Trang, Uthai Thani, Satun, Nongkhai, Ang Thong, Amnat Charoen, Chumphon, Surat Thani, Yasothorn, Saraburi and Kamphaeng Phet.
- There was no outbreak reported in last week.

#### **Situation of Mumps on 18 November 2014**

- The number of cases reported in 45<sup>th</sup> week increased a bit when compared with that of 44<sup>th</sup> week, with 59 cases reported on 1-18 November 2014. It is predicted that 115 cases are likely to be reported in November and 82 cases in December.
- During 45<sup>th</sup> week, provinces with the highest number of cases were Kanchanaburi, Roi Et, Phrae, Loei and Chumphon. However, there were no provinces that have reported more than 30%.
  - There is no outbreak reported in previous week.
  - Mumps outbreaks were occurred among gymnasts in Buenos Aires City of Argentina and also among athletes of NHL-National Hocke League in San Carlos de Boriloche, Minnesota, USA. There was no outbreak in Asia.

#### **Situation of Pneumonia on 23 November 2014**

- Similar number of pneumonia cases was reported during 2013 and 2014. Total 15,547 cases were reported in October 2014 and 11,550 cases are predicted to be reported in November.
- Provinces that have reported the number of cases more than 30% higher than that of 44<sup>th</sup> week were Sing Buri, Nong Bua Lamphu, Nong Khai and Sukhothai Provinces.