



## Highlights of diseases and event in December 2016

### Situation of Hand, Foot and Mouth Disease in Thailand

According to the R506 national surveillance data, total 77,644 cases and 5 deaths of hand, foot and mouth disease (HFMD) were reported from 77 provinces during 1 January and 20 December 2016. The attack rate was 118.62 per 100,000 populations. The deaths were from Chiang Mai, Phrae, Pathum Thani, Ayuthaya and Chachoengsao Provinces. The morbidity rate was 0.01%. Specimens from the deaths were tested to have HFMD infection, including one with Enterovirus 71, one with Coxsackievirus A16, one with Parechoviruses, one with Enterovirus group (Panenterovirus) pending for serotyping and two with unknown serotypes.

The data from the laboratory surveillance systems of the Bureau of Epidemiology and the National Institute of Health in Department of Medical Science revealed that 40 hospitals are currently under the sentinel surveillance throughout the country. Out of total 624 samples sent for laboratory testing from 1 January to 7 July 2016, 197 (31.6%) samples were found to have HFMD viruses, including 147 (74.6%) samples with Coxsackievirus A16, 16 (8.1%) with Enterovirus 71, 12 (6.1%) with Enterovirus and Coxsackievirus A16, and 22 (11.2%) with other types of virus.

During 50<sup>th</sup> epidemiological week, one severe case with Enterovirus 71 was identified in Chachoengsao Province. The case was 4 years and 9 months old boy. His stool specimen was tested by polymerase chain reaction (PCR) and found to have Enterovirus 71 infection. The case is currently under treatment in the hospital. The reported HFMD cases are decreasing at present and close to the number reported in the previous year and 5-year median.