



## Disease Surveillance Express

### Numbers of New Cases and Cumulative Cases of Notifiable Infectious Diseases (by week of diagnosis)

| Classification                     | Case diagnosis week<br>Disease Diagnosed <sup>1</sup> | Week 36  |      | Week 1–36 |      |
|------------------------------------|---|----------|------|-----------|------|
|                                    |   | 2016     | 2015 | 2016      | 2015 |
| Category I                         | Plague  | 0        | 0    | 0         | 0    |
|                                    | Rabies  | 0        | 0    | 0         | 0    |
|                                    | SARS  | 0        | 0    | 0         | 0    |
|                                    | Smallpox  | 0        | 0    | 0         | 0    |
| Category II                        | Acute Flaccid Paralysis                               | 2        | 1    | 29        | 11   |
|                                    | Acute Viral Hepatitis type A                          | 22       | 8    | 784       | 80   |
|                                    | Amoebiasis  | 10       | 9    | 216       | 255  |
|                                    | Anthrax   | 0        | 0    | 0         | 0    |
|                                    | Chikungunya Fever                                     | 0        | 0    | 8         | 4    |
|                                    | Cholera   | 0        | 0    | 9         | 6    |
|                                    | Dengue Fever  | 9        | 3565 | 696       | 9393 |
|                                    | Diphtheria  | 0        | 0    | 0         | 0    |
|                                    | Enterohemorrhagic E. coli Infection                   | 0        | 0    | 0         | 0    |
|                                    | Epidemic Typhus Fever                                 | 0        | 0    | 0         | 0    |
|                                    | Hantavirus Pulmonary Syndrome                         | 0        | 0    | 0         | 0    |
|                                    | Hemorrhagic Fever with Renal Syndrome                 | 0        | 0    | 3         | 1    |
|                                    | Malaria   | 0        | 0    | 7         | 7    |
|                                    | Measles   | 0        | 0    | 13        | 27   |
|                                    | Meningococcal Meningitis                              | 0        | 0    | 2         | 2    |
|                                    | Paratyphoid Fever                                     | 0        | 0    | 5         | 4    |
|                                    | Poliomyelitis   | 0        | 0    | 0         | 0    |
|                                    | Rubella   | 0        | 0    | 4         | 6    |
|                                    | Shigellosis   | 2        | 2    | 145       | 126  |
|                                    | Typhoid fever   | 0        | 1    | 3         | 22   |
| West Nile Fever                    | 0   | 0        | 0    | 0         |      |
| Category III                       | Acute Viral Hepatitis type B                          | 2        | 2    | 72        | 88   |
|                                    | Acute Viral Hepatitis type C <sup>4</sup>             | 6        | 6    | 149       | 147  |
|                                    | Acute Viral Hepatitis type D                          | 0        | 0    | 1         | 1    |
|                                    | Acute Viral Hepatitis type E                          | 3        | 0    | 13        | 2    |
|                                    | Acute Viral Hepatitis untype                          | 0        | 0    | 0         | 1    |
|                                    | Congenital Rubella Syndrome                           | 0        | 0    | 0         | 0    |
|                                    | Enteroviruses Infection with Severe Complications     | 0        | 0    | 19        | 4    |
|                                    | Haemophilus Influenza type b Infection                | 0        | 0    | 13        | 1    |
|                                    | Japanese Encephalitis                                 | 0        | 1    | 16        | 28   |
|                                    | Legionellosis   | 3        | 5    | 77        | 126  |
|                                    | Mumps <sup>2</sup>                                    | 5        | 21   | 400       | 569  |
|                                    | Neonatal Tetanus                                      | 0        | 0    | 0         | 0    |
|                                    | Pertussis   | 2        | 1    | 14        | 70   |
|                                    | Tetanus <sup>2</sup>                                  | 1        | 0    | 9         | 7    |
|                                    | Category IV   | Botulism | 0    | 0         | 4    |
| Brucellosis                        |   | 0        | 0    | 0         | 2    |
| Complicated Influenza              |   | 2        | 9    | 1862      | 786  |
| Complicated Varicella <sup>3</sup> |   | 0        | 0    | 30        | 38   |
| Endemic Typhus Fever               |   | 1        | 1    | 12        | 24   |
| Herpesvirus B Infection            |   | 0        | 0    | 0         | 0    |
| Invasive Pneumococcal Disease      |   | 10       | 9    | 416       | 374  |
| Leptospirosis                      |   | 5        | 3    | 61        | 55   |
| Lyme Disease                       |   | 0        | 0    | 1         | 2    |
| Melioidosis                        |   | 0        | 0    | 18        | 26   |
| Q Fever                            |   | 0        | 2    | 34        | 31   |
| Scrub Typhus                       |   | 6        | 6    | 320       | 291  |
| Toxoplasmosis                      |   | 1        | 0    | 8         | 8    |
| Tularremia                         | 0   | 0        | 0    | 0         |      |
| Category V                         | Ebola Virus Disease                                   | 0        | 0    | 0         | 0    |
|                                    | Marburg Hemorrhagic Fever                             | 0        | 0    | 0         | 0    |
|                                    | Novel Influenza A Virus Infections <sup>5</sup>       | 0        | 0    | 0         | 0    |
|                                    | Lassa Fever   | 0        | 0    | 0         | 0    |
|                                    | Rift Valley Fever                                     | 0        | 0    | 0         | 0    |
|                                    | Middle East Respiratory Syndrome Coronavirus          | 0        | 0    | 0         | 0    |
|                                    | Yellow Fever  | 0        | 0    | 0         | 0    |
| Zika Virus Infection <sup>6</sup>  | 1   | 0        | 7    | 0         |      |

1. The following 8 chronic diseases are excluded from the table: MDR-TB, Tuberculosis, Syphilis, Gonorrhoea, HIV Infection, AIDS, Hansen Disease and Creutzfeldt-Jakob Disease.

2. Reported cases.

3. Since 2014/1/1, "Varicella" was modified to "Complicated Varicella".

4. Since 2014/3/6, the case definition for confirmed Acute hepatitis C was changed from "meet the clinical **and** laboratory conditions" to "meet the clinical **or** laboratory conditions".

5. Since 2014/7/1, various subtypes of human cases of avian influenza are reported as "novel influenza A virus infections", a Category V Notifiable Infectious Disease. The original "H5N1 flu" and "H7N9 flu", which were respectively listed as a Category I Notifiable Infectious Disease and a Category V Notifiable Infectious Disease were removed from the list on the same day.

6. Since 2016/1/22, "Zika Virus Infection" was listed as a Notifiable Infectious Disease.



## Suspected Clusters

- Nineteen clusters were reported, including 9 diarrhea clusters, 4 tuberculosis clusters, 4 upper respiratory tract infection clusters, 1 influenza-like illness cluster, and 1 varicella cluster.

## Imported Infectious Diseases

- 24 confirmed cases were imported from 10 countries during Week 36 of 2016.

| Country<br>Disease   | Country   |         |         |          |           |       |          |          |       |       | Total |
|----------------------|-----------|---------|---------|----------|-----------|-------|----------|----------|-------|-------|-------|
|                      | Indonesia | Vietnam | Myanmar | Thailand | Singapore | China | Cambodia | Malaysia | Japan | India |       |
| Dengue Fever         | 4         | 3       |         | 2        |           |       |          | 1        |       |       | 10    |
| Amoebiasis           | 5         | 1       |         |          |           |       | 1        |          | 1     | 1     | 9     |
| Hepatitis A          |           |         | 2       |          |           | 1     |          |          |       |       | 3     |
| Zika virus infection |           | 1       |         |          | 1         |       |          |          |       |       | 2     |
| Total                | 9         | 5       | 2       | 2        | 1         | 1     | 1        | 1        | 1     | 1     | 24    |

Note: The statistics listed in this table include imported cases that were either confirmed or updated\* in the previous week.

- A total of 566 confirmed cases were imported from 36 countries in 2016.
- Top 3 imported diseases : Dengue fever (258), Amoebiasis (105), Hepatitis A (75).
- Top 3 countries responsible for most imported cases : Indonesia (236), Philippines (59), Thailand (56).

## Summary of Epidemic

- **Dengue Fever** : The epidemic has increased gradually in Southeast Asian countries. Imported cases have continued to be reported. As Typhoon Meranti will lash Taiwan with torrential rain this week, the occurrence of rain will promote mosquito growths and elevate the risk of dengue transmission. The public is urged to clean up and remove any vector breeding sites and take prevention measures against mosquito bites.
- **Zika Virus Infection** : The epidemic has increased in Singapore, Thailand and Malaysia, elevating the risk of importing Zika virus from these countries.
- **Scrub Typhus** : The epidemic activity remains at its peak and is expected to gradually increase in September and October. The endemic areas are primarily eastern and outlying islands of Taiwan.
- **Enterovirus** : The epidemic is expected to gradually increase as the new semester starts this week.



Coxsackie A virus is currently the dominant strain circulating in the community. Sporadic cases of enterovirus 71 infection have been confirmed recently. This year, a total of 135 cases of enterovirus 71 infection, including 17 severe cases, 116 mild cases and 2 suspected severe cases, have been confirmed. The public is urged to enhance personal hygiene and stay vigilant for suspicious symptoms of enterovirus infection with severe complications in infants.

- **Diarrhea** : The consultation rate of ER for diarrhea has increased slightly. The increase is especially significant among children aged between 0-6. The number of cases is expected to gradually increase as the Mid-Autumn Festival holiday approaches this week.

