

week 48–49 (Nov. 27–Dec. 10, 2016)

DOI: 10.6525/TEB.20161220.32(24).003

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

Case diagnosis week		Week 48		Week 1–49	
Classification	Disease Diagnosed ¹	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	1	0	37	19
	Acute Viral Hepatitis type A	16	6	1046	141
	Amoebiasis	8	5	294	331
	Anthrax	0	0	0	0
	Chikungunya Fever	1	0	10	4
	Cholera	0	0	9	10
	Dengue Fever	6	1783	781	41027
	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	2
	Malaria	0	0	14	9
	Measles	0	0	13	29
	Meningococcal Meningitis	1	0	8	3
	Paratyphoid Fever	0	0	5	6
	Poliomyelitis	0	0	0	0
	Rubella	0	0	4	6
Shigellosis	4	3	206	171	
Typhoid fever	1	0	8	27	
West Nile Fever	0	0	0	0	
Category III	Acute Viral Hepatitis type B	2	1	102	111
	Acute Viral Hepatitis type C ⁵	5	8	185	204
	Acute Viral Hepatitis type D	0	0	1	2
	Acute Viral Hepatitis type E	0	1	15	5
	Acute Viral Hepatitis untype	0	0	0	2
	Congenital Rubella Syndrome	0	0	0	0
	Enteroviruses Infection with Severe Complications	0	0	30	5
	Haemophilus Influenza type b Infection	0	0	14	2
	Japanese Encephalitis	0	0	23	30
	Legionellosis	2	1	107	157
	Mumps ²	8	9	571	722
	Neonatal Tetanus	0	0	0	0
	Pertussis	0	2	18	87
	Tetanus ²	1	0	11	10
Category IV	Botulism	0	0	5	2
	Brucellosis	0	0	0	2
	Complicated Influenza	22	3	2022	823
	Complicated Varicella ⁴	5	0	42	47
	Endemic Typhus Fever	0	0	14	32
	Herpesvirus B Infection	0	0	0	0
	Invasive Pneumococcal Disease	9	8	538	473
	Leptospirosis	2	1	117	81
	Lyme Disease	0	0	2	2
	Melioidosis	1	0	46	37
	Q Fever	0	1	43	44
	Scrub Typhus	10	19	462	469
	Toxoplasmosis	0	0	10	11
Tularremia	0	0	0	0	
Category V	Ebola Virus Disease	0	0	0	0
	Ebola-Marburg Hemorrhagic Fever	0	0	0	0
	Novel Influenza A Virus Infections ⁶	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	

- The following 8 chronic diseases are excluded from the table: MDR-TB, Tuberculosis, Syphilis, Gonorrhoea, HIV Infection, AIDS, Hansen Disease and Creutzfeldt-Jakob Disease.
- Reported cases.
- Since 2014/1/1, "Varicella" was modified to "Complicated Varicella".
- 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".
- 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.
- Since 2016/1/22, "Zika Virus Infection" was listed as a Notifiable Infectious Disease.

Suspected Clusters

- Twenty-one clusters were reported, including 8 diarrhea clusters, 5 varicella clusters, 3 tuberculosis clusters, 3 influenza-like illness clusters, 1 upper respiratory tract infection cluster, and 1 fever of unknown origin cluster.

Imported Infectious Diseases

- 13 confirmed cases were imported from 5 countries during Week 48 of 2016.

Country Disease	Indonesia	Vietnam	Philippines	China	Thailand	Total
Dengue Fever	1	2	2		1	6
Shigellosis	3			1		4
Amoebiasis	2					2
Chikungunya Fever	1					1
Total	7	2	2	1	1	13

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

- A total of 744 confirmed cases were imported from 37 countries in 2016.
- Top 3 imported diseases : Dengue fever (339), Amoebiasis (149), Shigellosis (96).
- Top 3 countries responsible for most imported cases : Indonesia (313), Philippines (91), Thailand (67).

Summary of Epidemic

- **Influenza** : Since the northeast monsoon has become prevalent, the recent temperature has dropped. As a result, influenza activity is expected to gradually increase. H3N2 is currently the dominant strain circulating in the community.
- **Enterovirus** : The epidemic has increased continuously in the community. The numbers of visits to outpatient services and ER for enterovirus infection during Week 48 is higher than that during Week 47, and enterovirus activity is above the epidemic threshold. The numbers of severe cases reported and confirmed were under the epidemic threshold. Coxsackie A virus is currently the dominant strain circulating in the community. Sporadic cases of enterovirus 71 infection have been recently confirmed. Thus far this year, a total of 165 cases of enterovirus 71 infection, including 23 severe cases and 141 mild cases, and 1 suspected severe cases, have been confirmed.

- **Dengue Fever** : Imported cases have continued to be reported. The recent temperature in southern Taiwan has contributed to the continuing mosquito activity.
- **Zika Virus Infection** : The first case of Zika virus infection has been confirmed in Texas, United States. The epidemic has continuously increased in Southeast Asian countries, elevating the risk of importing Zika virus into Taiwan from these countries.

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

Case diagnosis week		Week 49		Week 1—49	
Classification	Disease Diagnosed ¹	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	0	0	37	19
	Acute Viral Hepatitis type A	32	4	1078	145
	Amoebiasis	4	9	298	340
	Anthrax	0	0	0	0
	Chikungunya Fever	0	0	10	4
	Cholera	0	0	9	10
	Dengue Fever	7	1157	788	42184
	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	2
	Malaria	0	0	14	9
	Measles	0	0	13	29
	Meningococcal Meningitis	0	0	8	3
	Paratyphoid Fever	0	0	5	6
	Poliomyelitis	0	0	0	0
	Rubella	0	0	4	6
	Shigellosis	2	4	208	175
	Typhoid fever	1	0	9	27
West Nile Fever	0	0	0	0	
Category III	Acute Viral Hepatitis type B	4	1	106	112
	Acute Viral Hepatitis type C ⁵	4	4	189	208
	Acute Viral Hepatitis type D	0	0	1	2
	Acute Viral Hepatitis type E	1	1	16	6
	Acute Viral Hepatitis untype	0	0	0	2
	Congenital Rubella Syndrome	0	0	0	0
	Enteroviruses Infection with Severe Complications	0	0	30	5
	Haemophilus Influenza type b Infection	0	0	14	2
	Japanese Encephalitis	0	0	23	30
	Legionellosis	6	3	113	160
	Mumps ²	6	14	577	736
	Neonatal Tetanus	0	0	0	0
	Pertussis	0	0	18	87
	Tetanus ²	2	1	13	11
	Category IV	Botulism	0	0	5
Brucellosis		0	0	0	2
Complicated Influenza		23	4	2045	827
Complicated Varicella ⁴		0	0	42	47
Endemic Typhus Fever		0	1	14	33
Herpesvirus B Infection		0	0	0	0
Invasive Pneumococcal Disease		10	15	548	488
Leptospirosis		0	3	117	84
Lyme Disease		0	0	2	2
Melioidosis		3	0	49	37
Q Fever		0	0	43	44
Scrub Typhus		20	23	482	492
Toxoplasmosis		0	2	10	13
Tularremia		0	0	0	0
Category V	Ebola Virus Disease	0	0	0	0
	Ebola-Marburg Hemorrhagic Fever	0	0	0	0
	Novel Influenza A Virus Infections ⁶	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	

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, 3 influenza-like illness clusters, 3 upper respiratory tract infection clusters, 2 varicella clusters, and 2 tuberculosis clusters.

Imported Infectious Diseases

- 17 confirmed cases were imported from 8 countries during Week 49 of 2016.

Country Disease	Indonesia	Vietnam	China	Philippines	Palau	Japan	India	Myanmar	Total
Dengue Fever	1	2		1	1			1	6
Amoebiasis	2		1				1		4
Shigellosis	1			1					2
Typhoid fever	1								1
IPD			1						1
Hepatitis C		1							1
Hepatitis A						1			1
Hepatitis B			1						1
Total	5	3	3	2	1	1	1	1	17

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

- A total of 761 confirmed cases were imported from 38 countries in 2016..
- Top 3 imported diseases : Dengue fever (345), Amoebiasis (153), Shigellosis (98).
- Top 3 countries responsible for most imported cases : Indonesia (318), Philippines (93), Thailand (67).

Summary of Epidemic

- **Influenza** : A strong continental cold air mass that is expected to arrive in Taiwan this week will lower the temperature in all parts of Taiwan significantly. As a result, influenza activity is likely to increase. H3N2 is currently the dominant strain circulating in the community.
- **Enterovirus** : The epidemic has increased continuously in the community. Coxsackie A virus is currently the dominant strain circulating in the community. Sporadic cases of enterovirus 71 infection have been recently confirmed. Thus far this year, a total of 167 cases of enterovirus 71 infection, including 23 severe cases and 143 mild cases, and 1 suspected severe cases, have been confirmed.

- **Dengue Fever** : Imported cases have continued to be reported. The recent temperature in southern Taiwan has contributed to the continuing mosquito activity.
- **Zika Virus Infection** : New cases of Zika virus infection have been confirmed in Texas, United States. The epidemic has continuously increased in Southeast Asian countries, elevating the risk of importing Zika virus into Taiwan from these countries.

The Taiwan Epidemiology Bulletin series of publications is published by Centers for Disease Control, Ministry of Health and Welfare, Taiwan (R.O.C.) since Dec 15, 1984.

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Publisher : Jih-Haw Chou

Editor-in-Chief : Wan-Ting Huang

Executive Editor : Hsueh-Ju Chen, Hsiu-Lan Liu

Website : <http://www.cdc.gov.tw/>

Suggested Citation :

[Author].[Article title].Taiwan Epidemiol Bull 2016;32:[inclusive page numbers]. [DOI]