

## Selected infectious diseases

This table is compiled from countries' most recent reports of cases of selected infectious diseases. These are officially reported numbers, but vary greatly in quality, representativeness, comparability and information value. The selection of diseases for inclusion in this table was made primarily on the availability of data. Where possible, the table distinguishes between zero cases reported and no information available for a country.

In isolation, these numbers provide no indication of the relative risk of disease, nor of the quality of disease reporting in different countries. However, this table does indicate the current status of officially reported infectious disease data at the global level and the major reporting gaps. Given the variation in the methods countries use to obtain these numbers, no attempt has been made to calculate incidence or prevalence. Further information on disease incidence and prevalence and immunization coverage rates for vaccine-preventable diseases can be obtained from the relevant disease-specific programmes at WHO.

To interpret these numbers, one needs to consider both epidemiological patterns and data collection efforts in specific countries. Some diseases – malaria and yellow fever, for example – are endemic to certain geographical regions, but are extremely rare elsewhere. Diseases such as plague are prone to outbreaks which cause case numbers to fluctuate wildly over time. Some diseases are best tackled with preventive measures such as mass drug treatment, so reporting the number of cases is a lower priority than estimating the population at risk. For vaccine-preventable diseases, case numbers are affected by immunization rates. Diseases such as H5N1 influenza, Japanese encephalitis and malaria are difficult to identify without specialized laboratory tests that are often not available in developing countries. In many settings, cases of some diseases – malaria is a common example – are identified through clinical signs and symptoms alone. Some diseases are reported under the International Health Regulations, while other diseases are monitored by countries or by WHO in the context of specific control programmes.

Despite ongoing efforts to enhance disease surveillance and response, many countries face challenges in accurately identifying, diagnosing and reporting infectious diseases due to the remoteness of communities, lack of transport and a communication infrastructure, and shortage of skilled health-care workers and laboratory facilities to ensure accurate diagnosis. No inference can be drawn from these figures about a country's effort or progress in controlling particular diseases.

Case numbers are a poor indication of the burden of disease. Diseases such as H5N1 influenza and plague have high mortality rates, while diseases such as polio and leprosy have low mortality but result in heavy losses of healthy years of life. Some diseases with very small case numbers can potentially cause devastating epidemics, so mandatory reporting is essential. For diseases that are considered eradicable, such as leprosy and polio, case reporting is essential to ensure eradication efforts are targeted to the affected areas. In 2007, over 200 000 new cases of leprosy were reported globally and 1385 new cases of polio. The true numbers of cases are likely to be higher.

### 3. Selected infectious diseases

02+2+2+2+2+2  
18:50+75  
2014  
81:4CL-3

Member State	Number of reported cases							
		Cholera <sup>a</sup>	Diphtheria <sup>b</sup>	H5N1 influenza <sup>c,d</sup>	Japanese encephalitis <sup>b</sup>	Leprosy <sup>e</sup>	Malaria <sup>f</sup>	Measles <sup>b</sup>
		2007		2008	2007		2007	2007
Afghanistan	...	...	104	...	...	26	433 412	1 141
Albania	...	...	0	...	0	...	...	35
Algeria	...	...	0	...	...	0	...	0
Andorra	...	...	0	...	...	...	...	0
Angola	...	18 422	4	...	...	1 269	...	1 014
Antigua and Barbuda	...	...	0	...	...	0	...	0
Argentina	...	...	0	...	...	312	...	0
Armenia	...	...	0	...	...	...	1	1
Australia	...	3	0	...	...	...	...	11
Austria	...	...	0	...	...	...	...	20
Azerbaijan	...	...	4	0	0	...	110	0
Bahamas	...	...	0	...	0	0	...	0
Bahrain	...	...	0	...	0	2	...	7
Bangladesh	...	...	86	1	204	5 357	...	2 924
Barbados	...	...	0	...	...	0	...	0
Belarus	...	...	5	...	0	...	...	1
Belgium	...	...	0	...	0	...	...	64
Belize	...	...	0	...	...	0	...	0
Benin	...	...	...	...	0	345	...	341
Bhutan	...	...	0	...	...	...	850	11
Bolivia	...	...	0	...	...	...	...	0
Bosnia and Herzegovina	...	...	0	...	0	...	...	166
Botswana	...	...	0	...	0	0	...	1
Brazil	...	...	0	...	0	0	458 041	0
Brunei Darussalam	...	...	...	...	...	...	...	...
Bulgaria	...	...	0	...	0	...	...	1
Burkina Faso	...	...	0	...	...	588	2 487 633	12
Burundi	...	365	0	...	...	239	...	43
Cambodia	...	...	5	1	295	315	59 848	394
Cameroon	...	10	...	...	...	549	...	100
Canada	...	1	5	...	...	...	...	101
Cape Verde	...	...	0	...	...	8	...	0
Central African Republic	...	...	0	...	0	345	...	49
Chad	...	...	...	...	...	631	...	441
Chile	...	...	0	...	...	...	...	0
China	...	168	0	3	4 330	1 528	...	109 023
Colombia	...	...	0	...	...	510	110 389	0
Comoros	...	1 555	0	...	0	108	...	0
Congo	...	7 785	0	...	0	261	...	84
Cook Islands	...	...	0	...	...	0	...	1
Costa Rica	...	...	0	...	0	11	...	0
Côte d'Ivoire	...	8	...	...	...	1 204	...	5
Croatia	...	...	0	...	0	...	...	0
Cuba	...	...	0	...	...	244	...	0
Cyprus	...	...	0	...	...	...	...	0
Czech Republic	...	...	0	...	0	...	...	2
Democratic People's Republic of Korea	...	...	0	...	0	...	...	3 550
Democratic Republic of the Congo	...	28 269	...	...	...	8 820	...	55 577
Denmark	...	...	0	...	...	...	...	2
Djibouti	...	372	0	0	0	...	4 708	24

Number of reported cases

Meningitis <sup>a</sup>	Mumps <sup>b</sup>	Pertussis <sup>b</sup>	Plague <sup>h</sup>	Polio- myelitis <sup>b,d</sup>	Congenital rubella syndrome <sup>b</sup>	Rubella <sup>b</sup>	Neonatal tetanus <sup>b</sup>	Total tetanus <sup>b</sup>	Tuberculosis <sup>i</sup>	Yellow fever <sup>b</sup>
2008	2007									
...	...	5 904	...	17	...	152	40	71	13 213	...
...	824	13	...	0	0	0	0	2	165	0
...	...	0	...	0	...	...	4	11	8 439	...
...	4	...	...	0	0	0	0	0	2	0
...	...	921	...	8	...	25	70	790	21 422	0
...	...	0	...	0	0	0	0	0	2	0
...	11 575	2 587	...	0	0	96	0	6	4 985	0
...	133	1	...	0	0	87	0	0	497	...
...	579	5 379	...	0	2	36	0	3	281	0
...	...	133	...	0	...	13	...	0	189	0
...	129	12	...	0	0	4	0	3	1 356	0
...	0	0	...	0	0	0	0	1	32	0
...	91	0	...	0	0	5	0	0	109	0
...	...	87	...	0	...	13 226	206	1 034	104 296	...
...	0	0	...	0	0	0	0	2	8	0
...	318	156	...	0	0	7	0	0	1 051	0
...	54	293	...	0	0	...	0	1	322	0
...	...	0	...	0	0	0	0	0	54	0
346	0	0	...	0	...	29	9	9	...	0
...	...	0	...	0	0	3	0	...	328	...
...	...	0	...	0	0	0	1	9	5 686	6
...	83	46	...	0	0	25	0	1	737	0
...	0	0	...	0	0	18	0	0	3 002	0
...	0	596	...	0	17	8 672	5	281	38 444	13
...	...	...	...	0	...	...	...	...	136	...
...	5 299	269	...	0	0	88	0	0	1 080	0
9 831	...	44	...	0	...	4	13	13	2 614	2
...	...	0	...	0	...	15	14	14	3 595	0
...	...	561	...	0	...	386	50	242	19 421	...
...	...	...	...	0	...	126	48	147	13 220	2
...	1 108	1 472	...	0	0	1	0	5	463	0
...	...	0	...	0	...	...	0	0	158	0
345	0	2	...	0	0	118	68	68	...	0
908	...	...	...	21	...	...	100	100	2 513	...
...	1 386	1 048	...	0	0	4 236	0	3	1 166	0
...	252 701	...	...	0	...	74 746	2 112	2 112	465 877	...
...	2 294	125	...	0	0	2	4	65	7 188	7
...	0	0	...	0	0	0	1	2	...	0
...	0	55	...	0	0	2	3	3	3 552	0
...	420	0	...	0	0	0	0	0	...	...
...	0	2 024	...	0	0	0	0	1	322	0
1 043	...	...	...	0	...	48	31	31	14 071	0
...	74	123	...	0	0	33	0	5	382	0
...	267	0	...	0	0	0	0	0	432	0
...	0	9	...	0	0	0	0	0	8	0
...	1 297	186	...	0	0	4	0	0	267	0
...	176	1 250	...	0	0	101	0	0	23 575	0
5 579	...	3 799	966	41	...	...	379	1 153	66 099	204
...	11	81	...	0	0	1	0	3	135	...
...	0	3	...	0	...	...	0	0	1 208	0

Table 3

### 3. Selected infectious diseases

02+2+六九  
 2018.10.18  
 18:50:45  
 81:4CL-3

Member State	Number of reported cases							
		Cholera <sup>a</sup>	Diphtheria <sup>b</sup>	H5N1 influenza <sup>c,d</sup>	Japanese encephalitis <sup>b</sup>	Leprosy <sup>e</sup>	Malaria <sup>f</sup>	Measles <sup>b</sup>
		2007		2008	2007		2007	2007
Dominica	...	...	0	...	...	0	...	0
Dominican Republic	...	...	4	...	0	164	...	0
Ecuador	...	...	0	...	0	107	...	0
Egypt	...	...	0	8	...	887	30	1 684
El Salvador	...	...	0	...	...	8	...	0
Equatorial Guinea	...	...	...	...	...	...	...	5
Eritrea	119	...	...	...	...	...	...	55
Estonia	...	...	0	...	0	...	...	1
Ethiopia	24 121	...	...	...	...	4 187	1 214 921	1 446
Fiji	...	...	0	...	...	6	...	0
Finland	...	...	0	...	0	...	...	0
France	4	...	1	...	...	...	...	39
Gabon	...	...	...	...	...	27	...	0
Gambia	12	...	0	...	0	...	...	0
Georgia	...	...	9	...	0	...	25	44
Germany	2	...	2	...	...	...	...	567
Ghana	179	...	0	...	...	594	3 123 147	6
Greece	...	...	0	...	...	...	...	2
Grenada	...	...	0	...	...	...	...	0
Guatemala	...	...	0	...	...	...	...	0
Guinea	8 546	...	0	...	...	803	...	3
Guinea-Bissau	153	...	0	...	0	58	...	1
Guyana	...	...	0	...	...	26	...	0
Haiti	...	...	94	...	...	29	...	0
Honduras	...	...	0	...	...	...	...	0
Hungary	...	...	0	...	0	...	...	0
Iceland	...	...	0	...	0	...	...	0
India	2 635	...	3 354	...	4 017	137 685	1 476 562	36 900
Indonesia	...	...	183	22	...	17 723	...	19 456
Iran (Islamic Republic of)	19	...	32	...	...	25	15 712	133
Iraq	4 696	...	3	0	0	0	3	230
Ireland	...	...	0	...	0	...	...	64
Israel	...	...	0	...	...	...	...	539
Italy	1	...	0	...	...	...	...	321
Jamaica	...	...	0	...	0	6	184	0
Japan	...	...	0	...	...	11	...	...
Jordan	...	...	0	...	0	0	...	41
Kazakhstan	...	...	5	...	0	...	...	13
Kenya	1 206	...	...	...	...	...	...	1 516
Kiribati	...	...	0	...	0	63	...	0
Kuwait	...	...	...	...	...	20	...	...
Kyrgyzstan	...	...	1	...	...	...	96	40
Lao People's Democratic Republic	169	...	2	0	44	125	...	1 678
Latvia	...	...	18	...	0	...	...	0
Lebanon	...	...	0	...	...	...	...	373
Lesotho	...	...	0	...	0	4	...	2
Liberia	3 063	...	...	...	...	319	...	1
Libyan Arab Jamahiriya	...	...	0	...	0	8	...	59
Lithuania	...	...	0	...	0	...	...	0
Luxembourg	...	...	0	...	0	...	...	0



### 3. Selected infectious diseases

02+2+2+2+2+2  
2018-2019  
81:4CL-3

Member State	Number of reported cases							
		Cholera <sup>a</sup>	Diphtheria <sup>b</sup>	H5N1 influenza <sup>c,d</sup>	Japanese encephalitis <sup>b</sup>	Leprosy <sup>e</sup>	Malaria <sup>f</sup>	Measles <sup>b</sup>
		2007		2008	2007		2007	2007
Madagascar		...	3	...	...	1 521	790 510	0
Malawi		475	0	...	...	...	...	143
Malaysia		...	2	...	...	190	...	394
Maldives		...	0	...	...	...	...	20
Mali		...	...	...	...	455	...	2
Malta		...	0	...	0	...	...	2
Marshall Islands		...	0	...	0	64	...	0
Mauritania		3	0	...	...	...	...	11
Mauritius		...	0	...	0	...	...	13
Mexico		...	0	...	...	243	...	0
Micronesia (Federated States of)		...	0	...	0	141	...	0
Monaco		...	...	...	...	...	...	...
Mongolia		...	0	...	0	0	...	12
Montenegro		...	0	...	0	...	...	0
Morocco		...	0	...	0	38	75	2 248
Mozambique		2 622	...	...	0	2 510	6 327 916	267
Myanmar		...	5	0	28	3 637	...	1 088
Namibia		14	0	...	0	...	...	21
Nauru		...	0	...	0	3	...	0
Nepal		264	44	...	435	4 436	...	1 415
Netherlands		...	0	...	...	...	...	10
New Zealand		...	0	...	0	...	...	25
Nicaragua		...	0	...	...	...	...	0
Niger		24	10	...	...	610	1 308 234	282
Nigeria		1 661	...	0	...	4 665	2 969 950	2 613
Niue		...	0	...	0	...	...	0
Norway		1	...	...	...	...	...	...
Oman		...	0	...	0	2	705	24
Pakistan		...	11	0	...	496	128 570	2 801
Palau		...	0	...	0	4	...	0
Panama		...	0	...	...	...	...	0
Papua New Guinea		...	0	...	...	270	...	0
Paraguay		...	0	...	0	403	...	0
Peru		...	0	...	...	19	...	0
Philippines		...	39	...	...	2 514	...	530
Poland		...	0	...	0	...	...	40
Portugal		...	0	...	...	...	...	0
Qatar		...	0	...	0	...	...	361
Republic of Korea		...	...	...	7	12	...	180
Republic of Moldova		...	0	...	0	...	...	10
Romania		...	0	...	0	...	...	353
Russian Federation		...	91	...	...	...	122	173
Rwanda		1 453	...	...	...	...	...	26
Saint Kitts and Nevis		...	0	...	0	...	...	0
Saint Lucia		...	0	...	...	12	...	0
Saint Vincent and the Grenadines		...	0	...	...	0	...	0
Samoa		...	...	...	...	...	...	...
San Marino		...	0	...	0	...	...	0
Sao Tome and Principe		90	0	...	0	...	...	0
Saudi Arabia		...	3	...	0	20	2 864	4 648



### 3. Selected infectious diseases

02+2+2+2+2+2  
2018-2019  
81:4CL-3

Member State	Number of reported cases							
		Cholera <sup>a</sup>	Diphtheria <sup>b</sup>	H5N1 influenza <sup>c,d</sup>	Japanese encephalitis <sup>b</sup>	Leprosy <sup>e</sup>	Malaria <sup>f</sup>	Measles <sup>b</sup>
		2007		2008		2007	2007	2007
Senegal		3 984	0	...	0	282	1 170 234	9
Serbia		...	0	...	0	...	...	201
Seychelles		178	0	...	0	1	...	1
Sierra Leone		2 219	0	...	0	...	...	0
Singapore		...	0	...	1	12	...	15
Slovakia		...	0	...	0	...	...	0
Slovenia		1	0	...	0	...	...	0
Solomon Islands		...	0	...	0	15	...	0
Somalia		41 643	...	...	...	414	36 773	1 149
South Africa		...	...	...	...	66	...	31
Spain		2	0	...	0	...	...	267
Sri Lanka		...	0	...	45	...	...	44
Sudan		13 731	7	...	...	1 706	2 778 207	327
Suriname		...	0	...	0	43	...	0
Swaziland		...	0	...	0	...	...	0
Sweden		...	0	...	0	...	...	1
Switzerland		...	0	...	0	...	...	1 015
Syrian Arab Republic		...	0	...	0	...	37	403
Tajikistan		...	3	...	...	...	635	2
Thailand		1 428	3	0	43	506	...	3 893
The former Yugoslav Republic of Macedonia		...	0	...	0	...	...	1
Timor-Leste		...	0	...	0	184	...	0
Togo		65	0	...	...	173	285 439	8
Tonga		...	0	...	...	0	...	0
Trinidad and Tobago		...	0	...	...	30	...	0
Tunisia		...	0	...	0	0	...	4
Turkey		...	0	0	...	...	358	3
Turkmenistan		...	5	...	...	...	0	59
Tuvalu		...	0	...	0	1	...	0
Uganda		276	...	...	...	389	...	3 776
Ukraine		1	81	...	...	...	...	1 005
United Arab Emirates		...	...	...	...	11	...	...
United Kingdom		32	3	...	0	...	...	1 022
United Republic of Tanzania		1 609	0	...	0	...	...	7 726
United States of America		7	...	...	...	...	...	30
Uruguay		...	0	...	0	4	...	0
Uzbekistan		...	0	...	...	...	89	863
Vanuatu		...	0	...	...	3	...	0
Venezuela (Bolivarian Republic of)		...	0	...	...	683	...	32
Viet Nam		1 946	32	5	38	588	...	17
Yemen		...	10	...	...	434	223 299	13
Zambia		2 286	0	...	0	...	...	535
Zimbabwe		65	0	...	...	6	...	242



### 3. Selected infectious diseases

62+2  
2018-50-45  
YAM.YOL-14  
81:4CL-3

Member State	Number of reported cases							
		Cholera <sup>a</sup>	Diphtheria <sup>b</sup>	H5N1 influenza <sup>c,d</sup>	Japanese encephalitis <sup>b</sup>	Leprosy <sup>e</sup>	Malaria <sup>f</sup>	Measles <sup>b</sup>
		2007		2008		2007	2007	2007

#### RANGES OF COUNTRY VALUES

Minimum		1	0	0	0	0	0	0
Maximum		41 643	3 354	22	4 330	137 685	6 327 916	109 023
Median		179	0	0	0	66	15 712	7

#### WHO REGION

African Region		110 837	...	...	...	31 037	...	76 408
Region of the Americas		...	103	...	...	2 854	...	163
South-East Asia Region		4 327	3 675	...	4 772	169 528	1 477 412	69 301
European Region		...	228	...	...	...	...	6 949
Eastern Mediterranean Region		...	170	...	...	4 089	3 624 395	15 670
Western Pacific Region		2 286	80	9	4 715	5 865	...	112 280

#### INCOME GROUP

Low income		128 450	410	...	...	44 994	...	92 211
Lower middle income		49 281	3 728	...	8 435	166 395	...	177 525
Upper middle income		...	121	...	...	1 860	...	1 689
High income		54	14	...	...	...	...	9 345
Global		177 963	4 273	...	9 487	213 373	...	280 771

Number of reported cases

Meningitis <sup>a</sup>	Mumps <sup>b</sup>	Pertussis <sup>b</sup>	Plague <sup>h</sup>	Polio- myelitis <sup>b,d</sup>	Congenital rubella syndrome <sup>b</sup>	Rubella <sup>b</sup>	Neonatal tetanus <sup>b</sup>	Total tetanus <sup>b</sup>	Tuberculosis <sup>i</sup>	Yellow fever <sup>b</sup>
2008	2007									
263	0	0	1	0	0	0	0	0	0	0
9 831	252 701	70 729	966	873	172	74 746	2 112	7 005	592 587	204
908	85	23	257	0	0	5	0	4	1 356	0
31 344	...	21 197	...	434	...	3 993	1 346	5 157	561 149	212
...	47 958	18 019	...	0	19	13 182	63	718	119 780	53
...	...	72 981	...	893	...	...	1 373	8 780	972 441	...
...	71 154	28 798	...	0	31	67 927	5	205	105 288	0
...	...	14 213	...	58	...	12 071	951	1 220	155 559	...
...	260 916	...	...	0	...	85 194	2 348	3 790	664 722	...
...	...	34 566	...	503	...	21 433	2 333	6 995	759 378	...
...	...	78 268	...	882	...	99 638	3 699	12 248	1 501 430	...
...	77 669	17 540	...	0	27	74 516	32	489	276 533	13
...	31 890	31 468	...	0	23	853	22	138	41 583	0
...	408 270	161 842	...	1 385	...	196 440	6 086	19 870	2 578 939	...