

Coronavirus disease (COVID-19)

Situation Report – 108

Data as received by WHO from national authorities by 10:00 CEST, 7 May 2020

This report has been reformatted to improve accessibility for persons with visual impairment.

Highlights

More than 3.5 million cases of COVID-19 and 250,000 deaths have now been reported to WHO.

At yesterday's **media briefing**, WHO Director-General Dr Tedros Adhanom Ghebreyesus, referring to the fact that crises can exacerbate existing inequalities, reiterated that 'We cannot end the pandemic until we address the inequalities that are fueling it.' He also highlighted six criteria that WHO recommends countries should take into account when considering the easing of lockdown restrictions.

WHO, UNICEF and the International Federation of the Red Cross have published **guidance for countries on how to maintain community-based healthcare in the context of COVID-19**. It complements the **United Nations framework for the socio-economic response to COVID-19**.

WHO and the Delegation of the European Union (EU) have announced a new collaboration in Somalia to strengthen operational response activities for COVID-19.

COVID-19 messages are reaching new audiences in Turkey as Goodwill Ambassadors from United Nations agencies in the country share information from WHO with their followers.

In the '**Subject in Focus**' below, WHO lists eight key criteria for the ethical acceptability of COVID-19 human challenge studies.

Situation in numbers (by WHO Region)

Total (new cases in last 24 hours)

Globally	3 672 238 cases (83 465)	254 045 deaths (6539)
Africa	35 470 cases (1497)	1228 deaths (23)
Americas	1 542 829 cases (35 681)	84 804 deaths (3734)
Eastern Mediterranean	229 198 cases (7968)	8465 deaths (175)
Europe	1 626 037 cases (32 209)	150 238 deaths (2458)
South-East Asia	81 808 cases (4810)	2936 deaths (115)
Western Pacific	156 184 cases (1300)	6361 deaths (34)

Subject in Focus: Key criteria for the ethical acceptability of COVID-19 human challenge studies

The widespread use of safe and efficacious vaccines for COVID-19 could save many lives, prevent disease, and permit the safe relaxation of other public health measures. There is thus an urgent ethical imperative for well-designed and carefully conducted research aimed at developing such vaccines and increasing relevant scientific knowledge regarding SARS-CoV-2. Controlled human infection studies, also known as human challenge studies, have been proposed as one means of testing the many vaccine candidates for SARS-CoV-2. In response to the need for ethical guidance to inform policy and decisions regarding the potential development of such research programmes, WHO has developed key criteria that COVID-19 challenge study programmes would need to meet to ensure that such research is conducted to the highest ethical standards.

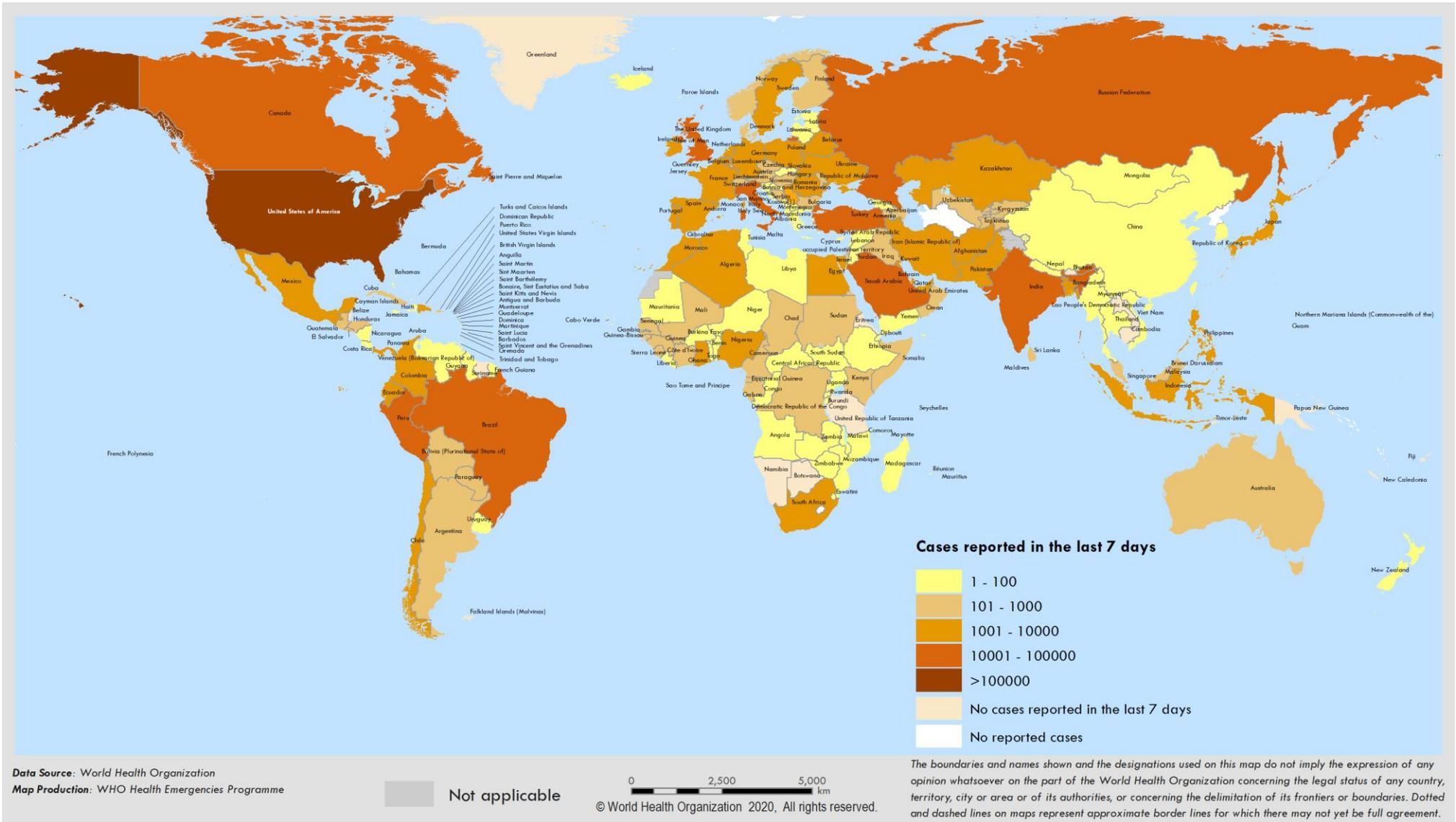
The full report can be found here: <https://www.who.int/ethics/publications/key-criteria-ethical-acceptability-of-covid-19-human-challenge/en/>

Table 1. Eight criteria for SARS-CoV-2 challenge studies

Scientific and ethical assessments		
Criterion 1	Scientific justification	SARS-CoV-2 challenge studies must have strong scientific justification
Criterion 2	Assessment of risks and potential benefits	It must be reasonable to expect that the potential benefits of SARS-CoV-2 challenge studies outweigh risks
Consultation and coordination		
Criterion 3	Consultation and engagement	SARS-CoV-2 challenge research programmes should be informed by consultation and engagement with the public as well as relevant experts and policy-makers
Criterion 4	Coordination	SARS-CoV-2 challenge study research programmes should involve close coordination between researchers, funders, policy-makers and regulators
Selection criteria		
Criterion 5	Site selection	SARS-CoV-2 challenge studies should be situated where the research can be conducted according to the highest scientific, clinical and ethical standards
Criterion 6	Participant selection	SARS-CoV-2 challenge study researchers should ensure that participant selection criteria limit and minimize risk
Review and consent		
Criterion 7	Expert review	SARS-CoV-2 challenge studies should be reviewed by a specialized independent committee
Criterion 8	Informed consent	SARS-CoV-2 challenge studies must involve rigorous informed consent

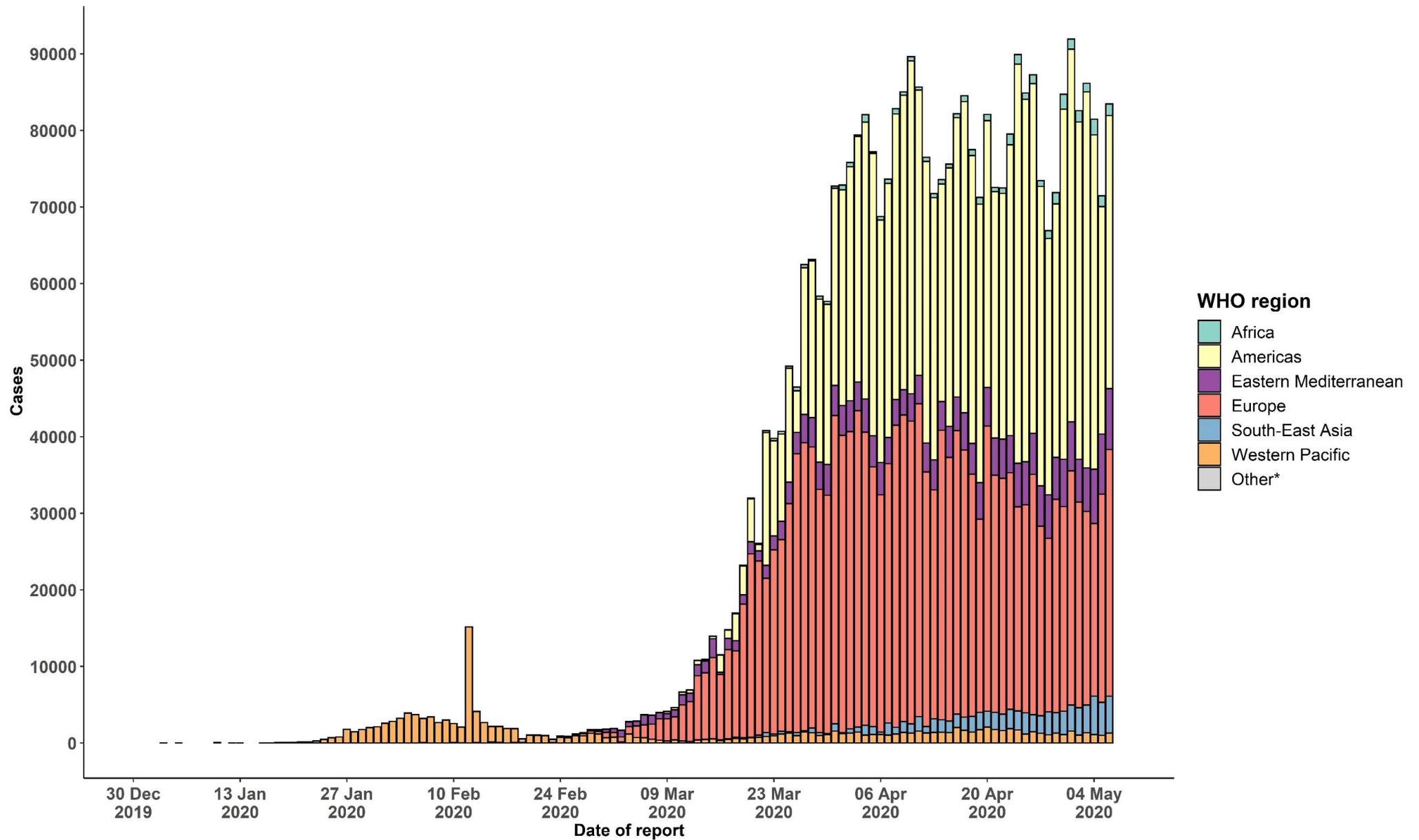
Surveillance

Figure 1. Number of confirmed COVID-19 cases reported in the last seven days by country, territory or area, 1 May to 7 May**



**See Annex 1 for data, table and figure notes.

Figure 2. Number of confirmed COVID-19 cases, by date of report and WHO region, 30 December 2019 through 7 May 2020**



**See [Annex 1](#) for data, table and figure notes.

Table 2. Countries, territories or areas with reported laboratory-confirmed COVID-19 cases and deaths, by WHO region. Data as of 10 AM CEST, 7 May 2020**

Reporting Country/ Territory/Area	Total confirmed cases	Total confirmed new cases	Total deaths	Total new deaths	Transmission classification ⁱ	Days since last reported case
Africa						
South Africa	7808	369	153	5	Community transmission	0
Algeria	4997	159	476	6	Community transmission	0
Nigeria	3145	195	103	5	Community transmission	0
Ghana	2719	0	18	0	Clusters of cases	2
Cameroon	2265	0	108	0	Clusters of cases	1
Guinea	1856	45	11	1	Community transmission	0
Côte d'Ivoire	1516	52	18	0	Clusters of cases	0
Senegal	1433	104	12	1	Clusters of cases	0
Democratic Republic of the Congo	797	92	35	1	Clusters of cases	0
Niger	770	7	38	0	Clusters of cases	0
Burkina Faso	729	40	48	0	Community transmission	0
Mali	631	19	32	0	Clusters of cases	0
Kenya	582	47	26	0	Clusters of cases	0
Guinea-Bissau	508	216	2	0	Sporadic cases	0
United Republic of Tanzania	480	0	18	0	Clusters of cases	7
Equatorial Guinea	439	0	4	0	Clusters of cases	1
Gabon	397	0	6	0	Clusters of cases	1
Mauritius	332	0	10	0	Community transmission	10
Rwanda	268	7	0	0	Clusters of cases	0
Congo	264	28	10	0	Clusters of cases	0
Madagascar	193	35	0	0	Clusters of cases	0

Reporting Country/ Territory/Area	Total confirmed cases	Total confirmed new cases	Total deaths	Total new deaths	Transmission classification ¹	Days since last reported case
Sierra Leone	225	26	14	3	Clusters of cases	0
Cabo Verde	191	5	2	0	Sporadic cases	0
Liberia	178	8	20	0	Clusters of cases	0
São Tomé and Príncipe	174	3	3	0	Sporadic cases	0
Chad	170	0	17	0	Sporadic cases	1
Ethiopia	162	17	4	0	Clusters of cases	0
Zambia	139	2	4	0	Sporadic cases	0
Togo	128	0	9	0	Clusters of cases	1
Eswatini	123	4	2	1	Sporadic cases	0
Benin	102	0	2	0	Sporadic cases	1
Uganda	98	1	0	0	Sporadic cases	0
Central African Republic	94	0	0	0	Sporadic cases	2
Mozambique	81	1	0	0	Sporadic cases	0
South Sudan	58	9	0	0	Sporadic cases	0
Malawi	43	2	3	0	Sporadic cases	0
Eritrea	39	0	0	0	Sporadic cases	18
Angola	36	0	2	0	Sporadic cases	1
Zimbabwe	34	0	4	0	Sporadic cases	5
Botswana	23	0	1	0	Sporadic cases	8
Burundi	19	0	1	0	Sporadic cases	4
Gambia	17	0	1	0	Sporadic cases	4
Namibia	16	0	0	0	Sporadic cases	31
Seychelles	11	0	0	0	Sporadic cases	30

Reporting Country/ Territory/Area	Total confirmed cases	Total confirmed new cases	Total deaths	Total new deaths	Transmission classification ⁱ	Days since last reported case
Comoros	8	4	1	0	Pending	0
Mauritania	8	0	1	0	Sporadic cases	6
Territoriesⁱ						
Mayotte	739	0	9	0	Clusters of cases	1
Réunion	425	0	0	0	Clusters of cases	1
Americas						
United States of America	1 193 452	22 267	65 197	2499	Community transmission	0
Brazil	114 715	6935	7921	600	Community transmission	0
Canada	62 458	1299	4111	196	Community transmission	0
Peru	51 189	3817	1444	100	Community transmission	0
Ecuador	29 420	-2461	1618	49	Community transmission	0
Mexico	26 025	1120	2507	236	Community transmission	0
Chile	23 048	1032	281	6	Community transmission	0
Dominican Republic	8807	327	362	8	Community transmission	0
Colombia	8613	640	378	20	Community transmission	0
Panama	7523	136	210	7	Community transmission	0
Argentina	5076	154	264	2	Community transmission	0
Bolivia (Plurinational State of)	1802	121	86	4	Clusters of cases	0
Cuba	1703	18	69	0	Clusters of cases	0
Honduras	1270	92	93	4	Community transmission	0
Guatemala	763	33	19	0	Clusters of cases	0
Costa Rica	755	13	6	0	Clusters of cases	0
Uruguay	670	13	17	0	Clusters of cases	0
El Salvador	633	46	14	1	Clusters of cases	0

Reporting Country/ Territory/Area	Total confirmed cases	Total confirmed new cases	Total deaths	Total new deaths	Transmission classification ⁱ	Days since last reported case
Jamaica	473	2	9	0	Clusters of cases	0
Paraguay	440	9	10	0	Community transmission	0
Venezuela (Bolivarian Republic of)	367	6	10	0	Clusters of cases	0
Trinidad and Tobago	116	0	8	0	Sporadic cases	9
Haiti	101	1	12	1	Clusters of cases	0
Guyana	93	1	10	1	Clusters of cases	0
Bahamas	89	5	11	0	Clusters of cases	0
Barbados	82	0	7	0	Clusters of cases	2
Antigua and Barbuda	25	0	3	0	Clusters of cases	3
Grenada	21	0	0	0	Clusters of cases	3
Belize	18	0	2	0	Sporadic cases	22
Saint Lucia	18	0	0	0	Sporadic cases	2
Saint Vincent and the Grenadines	17	0	0	0	Sporadic cases	2
Dominica	16	0	0	0	Clusters of cases	26
Nicaragua	16	1	5	0	Pending	0
Saint Kitts and Nevis	15	0	0	0	Sporadic cases	16
Suriname	10	0	1	0	Sporadic cases	33
Territoriesⁱⁱ						
Puerto Rico	1968	44	56	0	Clusters of cases	0
Martinique	182	1	14	0	Clusters of cases	0
Guadeloupe	153	1	13	0	Clusters of cases	0
French Guiana	138	5	1	0	Clusters of cases	0

Reporting Country/ Territory/Area	Total confirmed cases	Total confirmed new cases	Total deaths	Total new deaths	Transmission classification ¹	Days since last reported case
Bermuda	115	0	7	0	Clusters of cases	3
Aruba	101	0	2	0	Clusters of cases	1
Cayman Islands	78	3	1	0	Clusters of cases	0
Sint Maarten	76	0	14	0	Clusters of cases	6
United States Virgin Islands	66	0	4	0	Clusters of cases	6
Saint Martin	38	0	3	0	Sporadic cases	14
Curaçao	16	0	1	0	Sporadic cases	9
Falkland Islands (Malvinas)	13	0	0	0	Clusters of cases	11
Turks and Caicos Islands	12	0	1	0	Sporadic cases	9
Montserrat	11	0	1	0	Sporadic cases	23
British Virgin Islands	7	0	1	0	Sporadic cases	1
Bonaire, Sint Eustatius and Saba	6	0	0	0	Sporadic cases	9
Saint Barthélemy	6	0	0	0	Sporadic cases	37
Anguilla	3	0	0	0	Sporadic cases	33
Saint Pierre and Miquelon	1	0	0	0	Sporadic cases	29
Eastern Mediterranean						
Iran (Islamic Republic of)	101 650	1680	6418	78	Community transmission	0
Saudi Arabia	31 938	1687	209	9	Clusters of cases	0
Pakistan	24 073	1540	564	38	Clusters of cases	0
Qatar	17 972	830	12	0	Community transmission	0
United Arab Emirates	15 738	546	157	11	Pending	0
Egypt	7588	387	469	17	Clusters of cases	0
Kuwait	6289	485	42	2	Clusters of cases	0

Reporting Country/ Territory/Area	Total confirmed cases	Total confirmed new cases	Total deaths	Total new deaths	Transmission classification ⁱ	Days since last reported case
Morocco	5408	189	183	2	Clusters of cases	0
Bahrain	3934	214	8	0	Clusters of cases	0
Afghanistan	3392	168	104	9	Clusters of cases	0
Oman	2958	55	13	0	Clusters of cases	0
Iraq	2480	49	102	0	Clusters of cases	0
Djibouti	1124	4	3	1	Clusters of cases	0
Tunisia	1025	3	43	0	Community transmission	0
Somalia	873	38	39	1	Sporadic cases	0
Sudan	852	74	49	4	Sporadic cases	0
Lebanon	750	9	25	0	Clusters of cases	0
Jordan	473	2	9	0	Clusters of cases	0
Libya	64	1	3	0	Clusters of cases	0
Syrian Arab Republic	45	1	3	0	Community transmission	0
Yemen	26	3	6	3	Pending	0
Territoriesⁱ						
occupied Palestinian territory	546	3	4	0	Clusters of cases	0
Europe						
Spain	220 325	996	25 857	244	Community transmission	0
Italy	214 457	1444	29 684	369	Community transmission	0
The United Kingdom	201 205	6211	30 076	649	Community transmission	0
Russian Federation	177 160	11231	1625	88	Clusters of cases	0
Germany	166 091	1194	7119	123	Community transmission	0
France	135 468	4176	25 769	278	Community transmission	0
Turkey	131 744	2253	3584	64	Community transmission	0

Reporting Country/ Territory/Area	Total confirmed cases	Total confirmed new cases	Total deaths	Total new deaths	Transmission classification ⁱ	Days since last reported case
Belgium	50 781	272	8339	323	Community transmission	0
Netherlands	41 319	232	5204	36	Community transmission	0
Switzerland	29 977	51	1504	22	Community transmission	0
Portugal	26 182	480	1089	15	Community transmission	0
Sweden	23 918	702	2941	87	Community transmission	0
Ireland	22 248	265	1375	36	Community transmission	0
Belarus	19 255	0	112	0	Clusters of cases	1
Israel	16 314	46	238	1	Pending	0
Austria	15 651	65	608	2	Community transmission	0
Poland	14 740	309	733	17	Community transmission	0
Romania	14 107	270	858	31	Community transmission	0
Ukraine	13 691	507	340	13	Community transmission	0
Denmark	9983	162	506	3	Pending	0
Serbia	9791	114	203	3	Pending	0
Czechia	7974	78	262	5	Community transmission	0
Norway	7953	50	209	0	Pending	0
Finland	5573	161	252	6	Pending	0
Kazakhstan	4509	211	30	1	Pending	0
Republic of Moldova	4476	113	143	3	Pending	0
Luxembourg	3851	11	98	2	Pending	0
Hungary	3150	39	383	10	Clusters of cases	0
Armenia	2884	102	42	2	Clusters of cases	0
Greece	2663	21	147	1	Community transmission	0
Uzbekistan	2266	49	10	0	Clusters of cases	0

Reporting Country/ Territory/Area	Total confirmed cases	Total confirmed new cases	Total deaths	Total new deaths	Transmission classification ¹	Days since last reported case
Azerbaijan	2127	67	28	2	Clusters of cases	0
Croatia	2119	7	85	2	Community transmission	0
Bosnia and Herzegovina	2017	49	87	5	Community transmission	0
Iceland	1799	0	10	0	Community transmission	3
Bulgaria	1778	89	84	6	Clusters of cases	0
Estonia	1713	2	55	0	Pending	0
North Macedonia	1539	13	88	2	Clusters of cases	0
Slovenia	1448	3	99	1	Community transmission	0
Slovakia	1429	8	25	0	Clusters of cases	0
Lithuania	1428	5	48	2	Community transmission	0
Latvia	900	4	17	0	Community transmission	0
Kyrgyzstan	895	24	12	0	Clusters of cases	0
Cyprus	883	5	21	1	Clusters of cases	0
Albania	832	0	31	0	Clusters of cases	1
Andorra	752	1	47	1	Community transmission	0
Georgia	614	4	9	0	Community transmission	0
San Marino	608	19	41	0	Community transmission	0
Malta	484	2	5	0	Pending	0
Tajikistan	379	86	9	2	Pending	0
Montenegro	324	0	8	0	Clusters of cases	1
Monaco	95	0	1	0	Sporadic cases	3
Liechtenstein	83	0	1	0	Pending	11
Holy See	12	1	0	0	Sporadic cases	0

Reporting Country/ Territory/Area	Total confirmed cases	Total confirmed new cases	Total deaths	Total new deaths	Transmission classification ⁱ	Days since last reported case
Territoriesⁱⁱ						
Kosovo ^[1]	860	4	27	0	Community transmission	0
Isle of Man	326	1	23	0	Pending	0
Jersey	293	0	24	0	Pending	1
Guernsey	252	0	13	0	Community transmission	4
Faroe Islands	187	0	0	0	Pending	13
Gibraltar	144	0	0	0	Clusters of cases	5
Greenland	11	0	0	0	Pending	31
South-East Asia						
India	52 952	3561	1783	89	Clusters of cases	0
Indonesia	12 438	367	895	23	Community transmission	0
Bangladesh	11 719	790	186	3	Clusters of cases	0
Thailand	2992	3	55	0	Clusters of cases	0
Sri Lanka	797	26	9	0	Clusters of cases	0
Maldives	618	45	2	0	Clusters of cases	0
Myanmar	162	1	6	0	Clusters of cases	0
Nepal	99	17	0	0	Sporadic cases	0
Timor-Leste	24	0	0	0	Clusters of cases	13
Bhutan	7	0	0	0	Sporadic cases	14
Western Pacific						
China	84 409	3	4643	0	Clusters of cases	0
Singapore	20 198	788	20	2	Clusters of cases	0
Japan	15 463	109	551	8	Clusters of cases	0

Reporting Country/ Territory/Area	Total confirmed cases	Total confirmed new cases	Total deaths	Total new deaths	Transmission classification ⁱ	Days since last reported case
Republic of Korea	10 810	4	256	1	Clusters of cases	0
Philippines	10 004	320	658	21	Clusters of cases	0
Australia	6875	26	97	1	Clusters of cases	0
Malaysia	6428	45	107	1	Clusters of cases	0
New Zealand	1139	1	21	0	Clusters of cases	0
Viet Nam	271	0	0	0	Clusters of cases	3
Brunei Darussalam	139	1	1	0	Sporadic cases	0
Cambodia	122	0	0	0	Sporadic cases	25
Mongolia	41	0	0	0	Sporadic cases	1
Lao People's Democratic Republic	19	0	0	0	Sporadic cases	24
Fiji	18	0	0	0	Sporadic cases	16
Papua New Guinea	8	0	0	0	Sporadic cases	14
Territoriesⁱⁱ						
Guam	147	2	5	0	Clusters of cases	0
French Polynesia	60	0	0	0	Sporadic cases	1
New Caledonia	18	0	0	0	Sporadic cases	34
Northern Mariana Islands (Commonwealth of the)	15	1	2	0	Pending	0
Subtotal for all regions	3 671 526	83 465	254 032	6539		
Other*	712	0	13	0	-	52
Grand total	3 672 238	83 465	254 045	6539		

**See [Annex 1](#) for data, table and figure notes.

Technical guidance and other resources

- To view all technical guidance documents regarding COVID-19, please go to [this webpage](#).
- Updates from WHO regional offices
 - [WHO AFRO](#)
 - [WHO EMRO](#)
 - [WHO EURO](#)
 - [WHO PAHO](#)
 - [WHO SEARO](#)
 - [WHO WPRO](#)
- [Research and Development](#)
- [Online courses on COVID-19](#) and in [additional national languages](#)
- [The Strategic Preparedness and Response Plan \(SPRP\)](#) outlining the support the international community can provide to all countries to prepare and respond to the virus.
- [WHO Health Emergency dashboard](#)
- [Weekly COVID-19 Operations Updates](#)

Recommendations and advice for the public

- [Protect yourself](#).
- [Questions and answers](#)
- [Travel advice](#)
- [EPI-WIN](#): tailored information for individuals, organizations and communities

Case definitions

WHO periodically updates the [Global Surveillance for human infection with coronavirus disease \(COVID-19\) document](#) which includes surveillance definitions.

Definition of COVID-19 death

COVID-19 death is defined for surveillance purposes as a death resulting from a clinically compatible illness in a probable or confirmed COVID-19 case, unless there is a clear alternative cause of death that cannot be related to COVID disease (e.g. trauma). There should be no period of complete recovery between the illness and death.

Annex 1: Data, table and figure notes

Caution must be taken when interpreting all data presented. Differences are to be expected between information products published by WHO, national public health authorities, and other sources using different inclusion criteria and different data cut-off times. While steps are taken to ensure accuracy and reliability, all data are subject to continuous verification and change. Case detection, definitions, testing strategies, reporting practice, and lag times differ between countries/territories/areas. These factors, amongst others, influence the counts presented with variable underestimation of true case and death counts, and variable delays to reflecting these data at global level.

The designations employed, and the presentation of these materials do not imply the expression of any opinion whatsoever on the part of WHO concerning the legal status of any country, territory or area or of its authorities, or concerning the delimitation of its frontiers or boundaries. Dotted and dashed lines on maps represent approximate border lines for which there may not yet be full agreement. Countries, territories and areas are arranged under the administering WHO region.

^[1] All references to Kosovo should be understood to be in the context of the United Nations Security Council resolution 1244 (1999).

In the map, number of cases of Serbia and Kosovo (UNSCR 1244, 1999) have been aggregated for visualization purposes.

Counts reflect laboratory-confirmed cases and deaths, based on [WHO case definitions](#) unless stated otherwise (see *Country, territory, or area-specific updates and errata*), and include both domestic and repatriated cases.

Other*: includes cases and deaths reported under the international conveyance (Diamond Princess).

Due to the recent trend of countries conducting data reconciliation exercises which remove large numbers of cases or deaths from their total counts, WHO will now display such data as *negative* numbers in the “new cases” / “new deaths” columns as appropriate. This will aid readers in identifying when such reconciliation exercises have taken place. When additional details become available in future which allow the subtractions to be apportioned to previous days, numbers will be updated accordingly. Prior situation reports will not be retrospectively updated; the most up-to-date data can always be found at covid19.who.int

Additional table notes

ⁱ Transmission classification is based on a process of country/territory/area self-reporting. Classifications are reviewed on a weekly basis, may be revised as new information becomes available, and are based on the highest category reported. Differing degrees of transmission may be present within countries/territories/areas. Categories:

- No cases: with no confirmed cases (not shown in table).
- Sporadic cases: with one or more cases, imported or locally detected.
- Clusters of cases: experiencing cases, clustered in time, geographic location and/or by common exposures.
- Community transmission: experiencing larger outbreaks of local transmission defined through an assessment of factors including, but not limited to: large numbers of cases not linkable to transmission chains; large numbers of cases from sentinel lab surveillance; and/or multiple unrelated clusters in several areas of the country/territory/area.
- Pending: transmission classification not been reported to WHO.

ⁱⁱ “Territories” include territories, areas, overseas dependencies and other jurisdictions of similar status.

Country, territory, or area-specific updates and errata

The numbers of cases for Ecuador have been revised by national authorities.