

29 April 2020

Global 3,028,872 cases 214,502 deaths 212 countries/territories/areas

HIGHLIGHTS

In the Region of the Americas, an additional **33,101 cases and 3,043 deaths** were reported in the past 24 hours, representing a 3% and 4% relative increase in total cases and deaths respectively compared to the previous day. Majority of the new cases (20,517) and deaths (2,010) continue to be reported from the United States of America, which has now crossed the threshold of over 1 million COVID-19 cases including 57,730 deaths as of today.

- **Other countries reporting significant increases in newly confirmed cases** compared with the previous day are Brazil (5,385 additional cases, 8% increase), Peru (2,491 additional cases, 9% increase), Canada (1,349 additional cases, 3% increase), and Mexico (1,223 additional cases, 8% increase).
- **Since yesterday, Bolivia** has joined the list of countries/territories in the region reporting at least 1,000 cumulative cases of COVID-19 (see table 1).
- **Countries reporting the highest increase in new deaths** (excluding the US) compared with the previous day are Brazil (474 new deaths, 10% increase), Ecuador (157 deaths, 8%), and Canada (138 deaths, 5%)
- While the true fatality rate of COVID-19 will take some time to fully understand, the data we have so far indicate that **the crude case-fatality rate** (the number of reported deaths divided by the reported cases) **in the region of the Americas as of 29 April is 5.5%** (median country-specific estimate: 5.1%; range: 0.0–23.1%).
- The highest **crude CFR%** among the countries with more than 1,000 cumulative cases reported to date are **Mexico (9.4%), Ecuador (9.1%), Brazil (7%) and Puerto Rico (6 %)**. See table 1
- **In the US, New York state and New York City** both reported their third consecutive day of decreasing incidence of new cases and lowest daily totals since March 19 and 20, respectively. The daily incidence for both New York City and state continue to be correlated with the number of tests performed.

Global Updates

TREATMENT: According to US officials, the drug **Remdesivir** – originally developed as an Ebola treatment – has shown evidence that it can shorten the duration of symptoms from 15 days down to 11 in clinical trials. The impact on deaths was not statistically significant, with 8% mortality rate in people given remdesivir and 11.6% in those given a placebo. The federal trial has yet to be peer reviewed [BBC. A lancet publication](#) from a study in China with the same drug questioned the value of the drug for treatment of severely ill patients but left open the possibility that it might be useful for others. The research was incomplete, however, because not enough participants could be enrolled.

VACCINES: The Edward Jenner Institute for Vaccine Research candidate COVID-19 vaccine developed by the Oxford University (UK) research institute reportedly demonstrated efficacy in an animal trial that could potentially signal its ability to prevent infection in humans. The trial, conducted by the US National Institutes of Health, involved 6 vaccinated rhesus macaques, and all 6 remained healthy at least 28 days after exposure to the SARS-CoV-2 virus that caused disease in unvaccinated animals. While this result is promising, efficacy in rhesus macaques does not always translate to efficacy in humans. [NYTimes](#)

PAHO

1,246,202 (+3%)
Cases*

71,919 (+4%)
deaths*

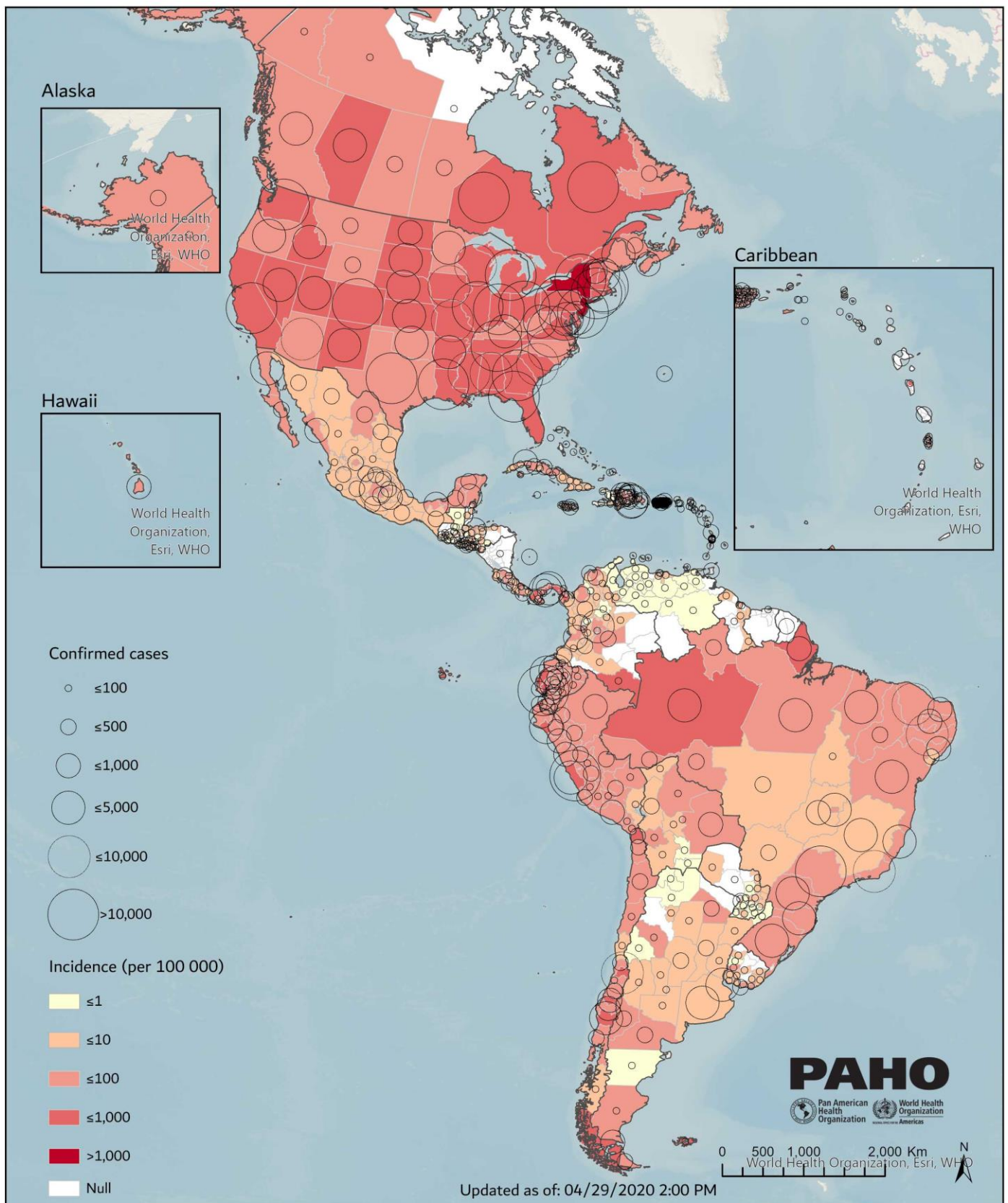
54
Countries/areas/territories

* Total includes both confirmed and probable for Ecuador (deaths), Canada (cases), Puerto Rico (deaths) and the US (probable deaths in NYC)

Table 1: Cumulative cases, deaths & crude case fatality rate (CFR%) among PAHO countries/territories with ≥ 1,000 cumulative cases.

Country/Territory	Cases	Deaths	CFR(%)
USA	1,003,974	57,730	5.8%
Brazil	71,886	5,017	7.0%
Canada	50,373	2,904	5.8%
Peru	31,190	854	2.7%
Ecuador	24,675	2,240	9.1%
Mexico	16,752	1,569	9.4%
Chile	14,885	216	1.5%
Dominican Republic	6,652	293	4.4%
Panama	6,200	176	2.8%
Colombia	5,949	269	4.5%
Argentina	4,201	207	4.9%
Cuba	1,467	58	4.0%
Puerto Rico	1,433	86	6.0%
Bolivia	1,053	55	5.2%

Map 1. Reported number of cumulative COVID-19 cases in the Region of the Americas and corresponding incidence rate (per 100,000 persons) by country/territory. As of 29 April 2020



Data Sources: Member States Ministries of Health
Map Production: Health Emergency Information & Risk Assessment (HIM), PAHO Health Emergencies Department (PHE)
Digital cartography sources: SALB-PAHO

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Cumulative confirmed and probable COVID-19 cases reported by countries and territories in the Americas, as of 29 April 2020

Updated as of 2 PM

Sub-Region	Country/Territory	Cases		Deaths		Recovered*	% Relative Increase in Confirmed Cases	Transmission Type
		Confirmed	Probable	Confirmed	Probable			
North America	Canada	50,363	10	2,904		18,707	3%	Community transmission
	Mexico	16,752		1,569		2,680	8%	Community transmission
	United States of America (the)†‡	1,003,974		52,428	5,302	139,107	2%	Community transmission
	Subtotal	1,071,089	10	56,901	5,302	160,494	2%	
Central America	Belize	18		2		9	0%	Sporadic cases
	Costa Rica	705		6		306	1%	Clusters of cases
	El Salvador	377		9		106	9%	Clusters of cases
	Guatemala	557		16		62	5%	Clusters of cases
	Honduras	738		66		73	5%	Clusters of cases
	Nicaragua	13		3		7	0%	Undetermined
	Panama	6,200		176		484	3%	Community transmission
	Subtotal	8,608	0	278	0	1,047	3%	
South America	Argentina	4,201		207		1,192	5%	Community transmission
	Bolivia	1,053		55		110	4%	Clusters of cases
	Brazil	71,886		5,017		32,544	8%	Community transmission
	Chile	14,885		216		8,057	4%	Community transmission
	Colombia	5,949		269		1,268	6%	Community transmission
	Ecuador§¶	24,675		883	1,357	3,243	2%	Community transmission
	Paraguay	239		9		102	4%	Community transmission
	Peru	31,190		854		9,179	9%	Community transmission
	Uruguay	625		15		394	1%	Clusters of cases
	Venezuela (Bolivarian Republic of)	329		10		142	0%	Clusters of cases
Subtotal	155,032	0	7,535	1,357	56,231	6%		
Caribbean and Atlantic Ocean Islands	Anguilla	3				1	0%	Sporadic cases
	Antigua and Barbuda	24		3		10	0%	Clusters of cases
	Aruba	100		2		73	0%	Clusters of cases
	Bahamas (the)	80		11		23	0%	Clusters of cases
	Barbados	80		6		39	0%	Clusters of cases
	Bermuda	111		6		45	1%	Clusters of cases
	Bonaire, Sint Eustatius, and Saba	6				3	0%	Sporadic cases
	Cayman Islands	73		1		10	4%	Clusters of cases
	Cuba	1,467		58		617	2%	Clusters of cases
	Curacao	16		1		12	0%	Sporadic cases
	Dominica	16				13	0%	Clusters of cases
	Dominican Republic (the)	6,652		293		1,228	4%	Community transmission
	Falkland Islands (the) [Malvinas]	13				11	0%	Clusters of cases
	French Guiana	125		1		93	1%	Clusters of cases
	Grenada	19				10	6%	Clusters of cases
	Guadeloupe	151		11		95	1%	Clusters of cases
	Guyana	75	1	8		15	1%	Clusters of cases
	Haiti	76		6		8	0%	Clusters of cases
	Jamaica	381		7		29	5%	Clusters of cases
	Martinique	175		14		83	0%	Clusters of cases
	Montserrat	11		1		2	0%	Sporadic cases
	Puerto Rico **	1,433		54	32		2%	Clusters of cases
	Saint Barthelemy	6				6	0%	Sporadic cases
	Saint Kitts and Nevis	15				4	0%	Sporadic cases
	Saint Lucia	17				15	13%	Sporadic cases
	Saint Martin	38		3		24	0%	Sporadic cases
	Saint Pierre and Miquelon	1					0%	Sporadic cases
	Saint Vincent and the Grenadines	16				8	7%	Sporadic cases
	Sint Maarten	75	1	13		33	0%	Clusters of cases
	Suriname	10		1		7	0%	Sporadic cases
Trinidad and Tobago	116		8		68	0%	Sporadic cases	
Turks and Caicos	12		1		5	0%	Sporadic cases	
Virgin Islands (UK)	6		1		2	0%	Sporadic cases	
Virgin Islands (US)	62		4		51	5%	Clusters of cases	
Subtotal	11,461	2	514	32	2,643	3%		
Total	1,246,190	12	65,228	6,691	220,415	3%		

*Recovered counts as indicated by reporting Member States

†Data reported by state/district/territory public health authorities. Confirmed case and death totals may include a small proportion of probable cases and deaths due to differences in reporting. Excludes counts for Guam, Commonwealth of the Northern Marianas, Puerto Rico, and the United States Virgin Islands

‡Probable deaths are those reported and defined by New York City, available at: <https://on.nyc.gov/2Rl0JdU>

§Probable deaths as defined by the Ecuador Ministry of Public Health, available at: <https://bit.ly/2RZtqjR>

¶Recovered counts include both those defined by the Ecuador Ministry of Public Health as discharged from the hospital and recovered cases

|| Total confirmed cases reported as per Peru Ministry of Health, of which 13,742 cases tested positive by RT-PCR and the remaining 17,448 cases tested positive by rapid diagnostic tests (RDTs); however, to date, these RDTs are not recommended for use by WHO

|| Total cases reported as per the Puerto Rico Department of Health (DoH), of which 904 cases tested positive by RT-PCR and the remaining 529 cases tested positive by serological tests.

**Probable deaths as defined by the Puerto Rico DoH, available at: <https://bit.ly/2VvksQ>

Note: WHO recommends using the following categories to describe transmission patterns at national and sub-national levels (wherever possible) to guide decisions for preparedness, readiness and response activities.

Category number	Category name	Definition
1	No cases	Countries/territories/areas with no cases
2	Sporadic cases	Countries/territories/areas with one or more cases, imported or locally detected
3	Clusters of cases	Countries/territories/areas experiencing cases, clustered in time, geographic location and/or by common exposures
4	Community transmission	Countries/area/territories 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 - Multiple unrelated clusters in several areas of the country/territory/area