

Current Surveillance and Epidemiology

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COVID-19 Case Definition - Ontario

- A person with fever **OR** cough **OR** difficulty breathing
- **AND**
 - (1) travel to mainland China, Hong Kong, Italy, Iran, South Korea, Japan, or Singapore 14 days before onset of illness
 - **OR** (2) close contact with a confirmed or probable case of COVID-19
 - **OR** (3) close contact with a person with acute respiratory illness who has been to the above affected regions within 14 days prior to their illness onset

Current Cases

Globally

Confirmed cases = 97 750

Deaths = 3 346

Recovered = 53 783

77 international locations

China

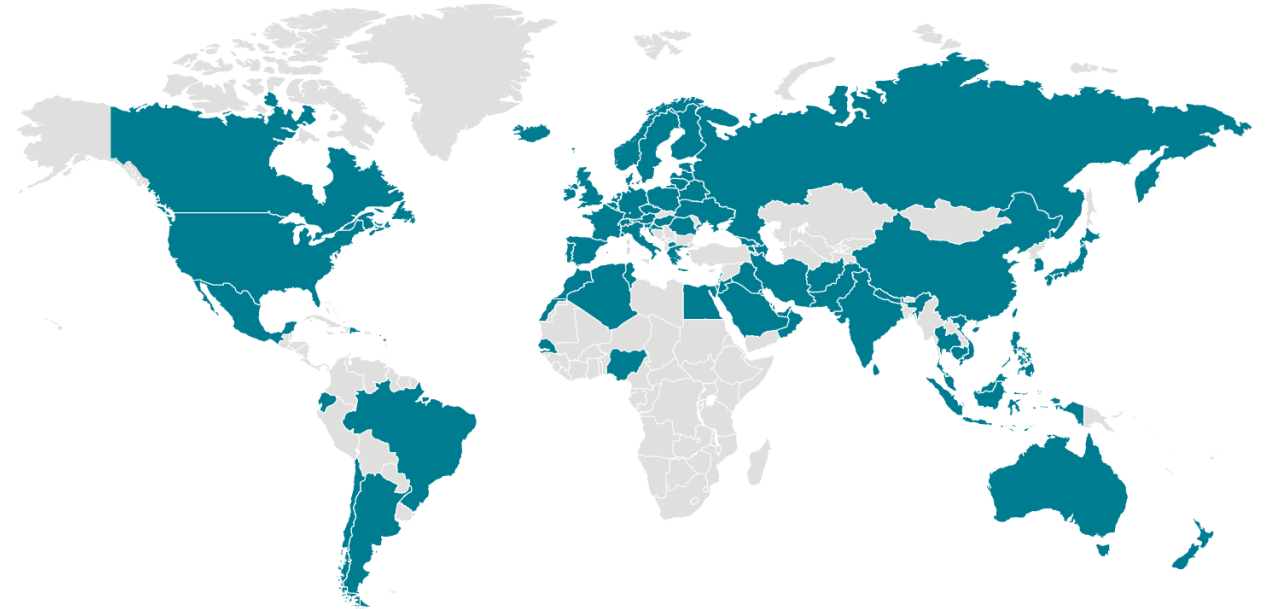
Confirmed cases = 80 422

Deaths = 2 984

Canada

Confirmed cases = 33 (BC, QC, ON)

Persons under Investigation (PUI) = 78 (ON)



Canadian Updates

Confirmed cases = 33 (ON = 20, BC = 12, QC = 1)

PUI = 45 (ON) | Presumptive confirmed = 1 (QC)

Quarantined: Canadians who were on the Diamond Princess are being quarantined at Cornwall ON

	Update in Ontario ⁵
Confirmed negative	1466
Currently under investigation	78
Confirmed positive	18
Total number of patients approved for 2019-nCoV testing to date	1566

Local Updates

Advice for Canadians (asymptomatic):

- **Returning travelers from Hubei province, China & Iran:**
 - contact local public health unit within 24 hours of arriving in Canada
 - stay at home and avoid close contact with others for 14 days from date they left Hubei province or Iran
 - contact Telehealth Ontario if symptoms
- **Returning travelers from any other international location:**
 - monitor for symptoms for 14 days after leaving China and contact Telehealth Ontario or their local public health unit if symptoms
- We are regularly updating our local recommendations with respect to *self-monitoring* and *self-isolation measures*
- These updates are based on country reports of endemic spread and observation of “doubling time” of the number of new cases in international locations; if doubling time is decreasing this alerts us to update our recommendations

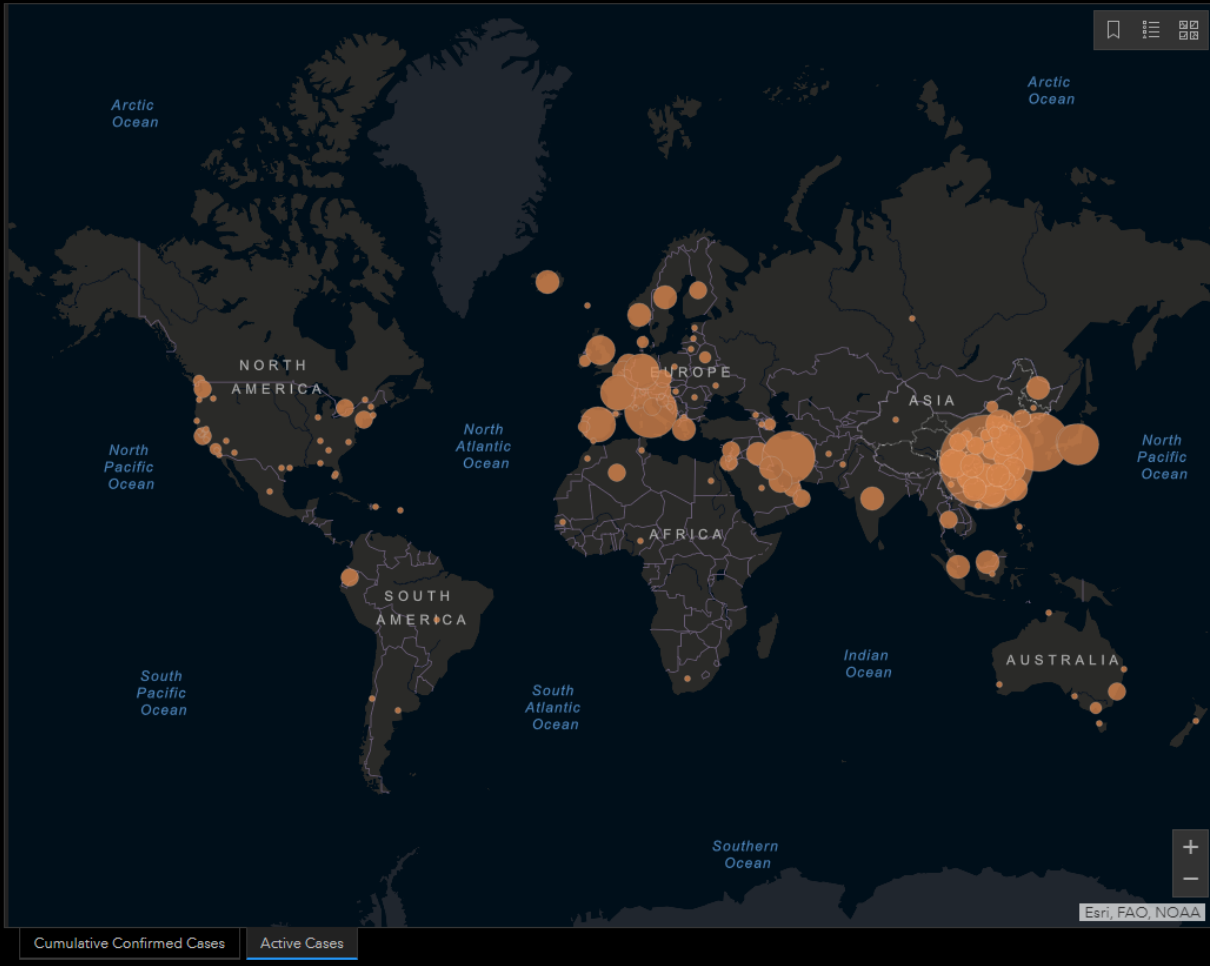
Total Confirmed
97,840

Confirmed Cases by Country/Region

80,422	Mainland China
6,088	South Korea
3,858	Italy
3,513	Iran
706	Others
482	Germany
377	France
360	Japan
259	Spain
176	US
117	Singapore
115	UK
114	Switzerland
105	Hong Kong
94	Sweden
87	Norway
82	Netherlands
58	Kuwait
55	Bahrain
55	Australia

Country/Region City, St/Prov

Last Updated at (M/D/YYYY)
3/5/2020, 1:13:04 PM



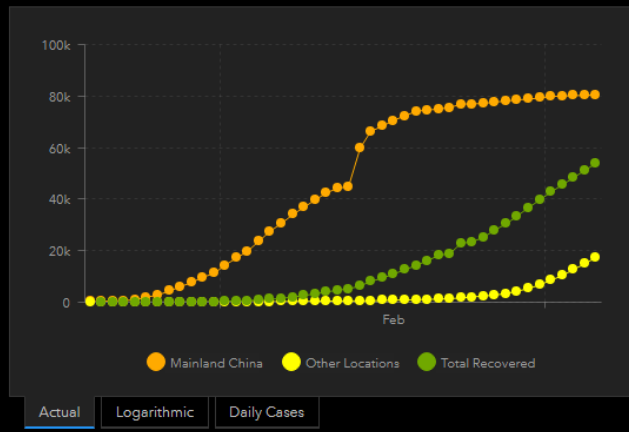
Lancet Inf Dis Article: [Here](#). Mobile Version: [Here](#). Visualization: JHU CSSE. Automation Support: [Esri Living Atlas team](#) and [JHU APL](#).
 Data sources: WHO, CDC, ECDC, NHC and DXY. Read more in this [blog](#). [Contact US](#).
 Downloadable database: GitHub: [Here](#). Feature layer: [Here](#).
 Point level: City level - US, Canada and Australia; Province level - China; Country level - other countries. All points shown on the map are based on geographic centroids, and are not representative of a specific address, building or any location at a spatial scale finer than a city.
 Existing cases = total confirmed - total recovered - total deaths.

Total Deaths
3,347

2,902 deaths	Hubei Mainland China
148 deaths	Italy
107 deaths	Iran
35 deaths	South Korea
22 deaths	Henan Mainland China
13 deaths	Heilongjiang Mainland China
9 deaths	King County, WA US
8 deaths	Beijing Mainland China
7 deaths	Guangdong Mainland China
6 deaths	France

Total Recovered
53,783

40,592 recovered	Hubei Mainland China
1,239 recovered	Henan Mainland China
1,181 recovered	Guangdong Mainland China
1,124 recovered	Zhejiang Mainland China
970 recovered	Anhui Mainland China
938 recovered	Hunan Mainland China
901 recovered	Jiangxi Mainland China
739 recovered	Iran
583 recovered	Jiangsu Mainland China
578 recovered	Shandong Mainland China



<https://gisanddata.maps.arcgis.com/apps/opsdashboard/index.html#/bda7594740fd40299423467b48e9ecf6>



Confirmed cases Start of data recording: 1st data / ... / 1 Mar 2020 / 2 Mar 2020 / 3 Mar 2020 / 4 Mar 2020 / Country

2 Feb 2020: 17 187 / ... / 80 024 / 80 151 / 80 267 / 80 409 / Mainland China

2 Feb 2020: 20 / ... / 256 / 274 / 293 / 331 / Japan

2 Feb 2020: 19 / ... / 42 / 43 / 43 / 43 / Thailand

2 Feb 2020: 18 / ... / 106 / 108 / 110 / 110 / Singapore

2 Feb 2020: 15 / ... / 96 / 100 / 100 / 105 / Hong Kong

2 Feb 2020: 15 / ... / 3726 / 4812 / 5328 / 5766 / South Korea

2 Feb 2020: 12 / ... / 27 / 30 / 39 / 52 / Australia

2 Feb 2020: 10 / ... / 130 / 159 / 196 / 262 / Germany

2 Feb 2020: 10 / ... / 40 / 41 / 42 / 42 / Taiwan

2 Feb 2020: 11 / ... / 76 / 102 / 124 / 157 / USA

2 Feb 2020: 8 / ... / 10 / 10 / 10 / 10 / Macau

2 Feb 2020: 8 / ... / 29 / 29 / 36 / 50 / Malaysia

2 Feb 2020: 6 / ... / 130 / 191 / 204 / 285 / France

2 Feb 2020: 6 / ... / 16 / 16 / 16 / 16 / Viet Nam

2 Feb 2020: 5 / ... / 21 / 21 / 27 / 27 / United Arab Emirates

2 Feb 2020: 4 / ... / 24 / 27 / 30 / 33 / Canada

2 Feb 2020: 2 / ... / 1694 / 2036 / 2502 / 3089 / Italy

2 Feb 2020: 2 / ... / 2 / 3 / 3 / 3 / Russia

2 Feb 2020: 2 / ... / 3 / 3 / 3 / 3 / Philippines

2 Feb 2020: 2 / ... / 3 / 5 / 5 / 28 / India

2 Feb 2020: 2 / ... / 36 / 40 / 51 / 85 / UK

2 Feb 2020: 1 / ... / 1 / 1 / 1 / 1 / Nepal

2 Feb 2020: 1 / ... / 1 / 1 / 1 / 1 / Cambodia

2 Feb 2020: 1 / ... / 84 / 120 / 165 / 222 / Spain

2 Feb 2020: 1 / ... / 6 / 6 / 6 / 6 / Finland

2 Feb 2020: 1 / ... / 14 / 15 / 30 / 35 / Sweden

2 Feb 2020: 1 / ... / 1 / 1 / 1 / 1 / Sri Lanka

4 Feb 2020: 1 / ... / 2 / 8 / 13 / 23 / Belgium

14 Feb 2020: 1 / ... / 2 / 2 / 2 / 2 / Egypt

19 Feb 2020: 2 / ... / 978 / 1501 / 2336 / 2922 / Iran

21 Feb 2020: 1 / ... / 10 / 13 / 13 / 13 / Lebanon

21 Feb 2020: 1 / ... / 10 / 10 / 12 / 15 / Israel

24 Feb 2020: 2 / ... / 6 / 6 / 12 / 15 / Oman

24 Feb 2020: 1 / ... / 1 / 1 / 1 / 1 / Afghanistan

- Ukraine ex Italy/Romania <https://www.albawaba.com/>
- Argentina ex Italy <https://www.batimes.com.ar/news/>
- Liechtenstein ex Switzerland <https://www.volksblatt.li>
- Gibraltar ex Italy <https://www.albawaba.com/news/kill>
- Chile ex Singapore <https://news.mb.com.ph/2020/03/>

ProMED

<https://promedmail.org/coronavirus/>



Other Resources

- WHO Situation Report - <https://www.who.int/emergencies/diseases/novel-coronavirus-2019/situation-reports/>
- University of Minnesota CIDRAP - <http://www.cidrap.umn.edu/covid-19>
- Worldometer - <https://www.worldometers.info/coronavirus/>

Ongoing Work at KFL&A Public Health

Incident Management System (IMS) activation

- January 29, 2020

Health systems preparedness

- Supporting primary care, proper infection control practices

Surveillance

- Coordinating with local stakeholders/provincial partners

Enabling and facilitating testing of COVID-19

Communications

- Page on KFL&A website, social media messaging



Future/Current Plans

- Syndromic Surveillance
 - ACES - <https://aces.kflaphi.ca/#/>
- Tertiary Care Surveillance
 - ARI Admission Swabs
- Sentinel ED Surveillance
 - Random sampling + syndromic thresholds for ED patients with an ARI