List of Current Resources on COVID-19 and Other Issues of Pandemics
(Many of these are interactive maps—layers of information will pop up as you move your cursor.)


**CDC COVID Data Tracker** [https://covid.cdc.gov/covid-data-tracker/#cases_totalcases](https://covid.cdc.gov/covid-data-tracker/#cases_totalcases)
John Hopkins: Coronavirus Resource Center [https://coronavirus.jhu.edu/map.html]

Esri CovidPulse
[https://livingatlas.arcgis.com/covidpulse/?adumkts=marketing&aduc=email&adum=drip&aduSF=email&utm_Source=email&aduca=dcovid_19_drp&aduvt=1255344-Covid-Pulse-Map&adupt=lead_gen&sf_id=7015x000001CC8LAAW&aducp=simple_body_text#@=94.464,40.252,3

ArcGIS COVID-19 Index for the United States (System of Systems)

Washington Post Updates

Places with highest daily reported cases per capita

- 7-day rolling average of daily new reported cases per 100,000 residents

North Dakota +14% rise in new cases in past week
0 Feb. 29 174 Nov. 10

South Dakota +4%

Iowa +80%

Wisconsin +23%

Nebraska +59%

Wyoming +37%

94
StopLight Approach to Travel (red = 2 weeks isolation with no movement, yellow = no isolation if negative Covid test 3 days prior to travel, and green = no restrictions on travel)

https://covid19-surveillance-report.ecdc.europa.eu/?utm_source=DailyGeo&utm_campaign=a49bb05e4c-DailyGeo_4_19_18_COPY_05&utm_medium=email&utm_term=0_14c41df158-a49bb05e4c-138981949

Tracking Movement—epidemic control based on migration data

https://www.nature.com/articles/s41599-020-00633-5/figures/1?utm_source=DailyGeo&utm_campaign=fb33e359b6-DailyGeo_4_19_18_COPY_05&utm_medium=email&utm_term=0_14c41df158-fb33e359b6-138981949
Mapping the development of a vaccine [https://covid-nma.com/vaccines/mapping/?utm_source=DailyGeo&utm_campaign=9a13d1bd01-DailyGeo_4_19_18_COPY_01&utm_medium=email&utm_term=0_14c41df158-9a13d1bd01-138981949]

Table

<table>
<thead>
<tr>
<th>Vaccine (per arm)</th>
<th>Sample size</th>
<th>Type of vaccine</th>
<th>Phase</th>
<th>Funding</th>
<th>Reg. number</th>
</tr>
</thead>
<tbody>
<tr>
<td>(1) mRNA-1273 vs (2) mRNA-1273</td>
<td>600</td>
<td>RNA based vaccine</td>
<td>Phase 2</td>
<td>ModernaTX, Inc.</td>
<td>NCT04439079</td>
</tr>
<tr>
<td>(1) ChAdOx1 nCoV-19 vaccine</td>
<td>10260</td>
<td>Non replicating viral vector</td>
<td>Phase 2/Phase 3</td>
<td>University of Oxford</td>
<td>NCT04430638</td>
</tr>
<tr>
<td>(1) LNP–nCoV3RNA vs (2) LNP–nCoV3RNA vs (3) LNP–nCoV3RNA</td>
<td>320</td>
<td>RNA based vaccine</td>
<td>Phase 1</td>
<td>1. Medical Research Council (UK) 2. UK Research and Innovation (UK)</td>
<td>ISRCTN17072602</td>
</tr>
<tr>
<td>(1) SARS-CoV-2 vaccine vs (2) SARS-CoV-2 vaccine vs (3) SARS-CoV-2 vaccine</td>
<td>942</td>
<td>Inactivated virus</td>
<td>Phase 1/Phase 2</td>
<td>Chinese Academy of Medical Sciences</td>
<td>NCT04412538</td>
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<tr>
<td>(1) ChAdOx1 nCoV-19 vaccine</td>
<td>2000</td>
<td>Non replicating viral vector</td>
<td>Phase 3</td>
<td>University of Oxford</td>
<td>ISRCTN86901424</td>
</tr>
<tr>
<td>(1) Ad26Cov1 vs (2) Ad26Cov1 vs (3) Ad26Cov1</td>
<td>1045</td>
<td>Non replicating viral vector</td>
<td>Phase 1/Phase 2</td>
<td>Janssen Vaccines &amp; Prevention B.V.</td>
<td>NCT04436026</td>
</tr>
</tbody>
</table>

Mapping the novel coronavirus pandemic (Story Map) [https://storymaps.arcgis.com/stories/4fdcd0d03d3a34aa485de1fb0d2650ee0]
Hazardous air pollutant exposure as a contributing factor to COVID-19 mortality in the United States


What We Actually Know About How Americans Are Moving During Covid

Handwashing Stations in Indonesia


Disease Detectives of Lebanon

https://www.aramcoworld.com/Articles/July-2020/Disease-Detectives-of-Lebanon

The coronavirus pandemic in five powerful charts

https://www.nature.com/articles/d41586-020-00758-2


**Traffic Light Model to help evaluating foreign travel**

- **GREEN:** risk of infection is not significantly higher than in Finland
- **AMBER:** risk of infection is higher than in Finland
- **RED:** risk of infection is considerably higher than in Finland, or infection figures are not reliable


![COVID-19 Vaccines in Development around the World](https://theaseanpost.com/article/are-we-any-closer-covid-19-vaccine?utm_source=DailyGeo&utm_campaign=1fd95d5e44-DailyGeo_4_19_18_COPY_01&utm_medium=email&utm_term=0_14c41df158-1fd95d5e44-138981949)

**COVID-19 Vaccine Development**


![Predicting COVID-19](https://imperialcollegelondon.github.io/covid19local/?utm_source=DailyGeo&utm_campaign=ecb1398964-DailyGeo_4_19_18_COPY_01&utm_medium=email&utm_term=0_14c41df158-ecb1398964-138981949)

**Predicting COVID-19**
NASA Global COVID-19 Viewer  

Tracing Trump’s Contacts Before He Tested Positive  

Mapping the Disparities that Bred an Unequal Pandemic  

Circuit-Breaker Lockdown Imposed
Northern Ireland will go into a four-week “circuit breaker” lockdown in an attempt to curb the huge rise in COVID-19 infections there. The new measures will include the closures of pubs, restaurants, and schools and will last for at least four weeks. The Derry City and Strabane Council area has been experiencing the highest infection rate in the United Kingdom and Ireland. This by uses data from the Northern Ireland Department of Health and shows the month-to-month increase in confirmed COVID-19 cases between September and October. The idea of a “circuit-breaker” lockdown is to interrupt the flow of the virus and allow time for a longer-term plan to be put in place. The shutdown requires people to sever contact with others outside their own household and shuts non-essential businesses. Several countries have already implemented "circuit-breaker” lockdowns to varying levels of success, including Israel, New Zealand, and Singapore.

This map depicts the weekly rate of new COVID-19 cases in Northern Ireland between September and October 2020. Click on the map to learn more.

Total number of cases in Canada by province

Source: Government of Canada (data up to 15 October)

Work by Dr. Helen Hazen (April 2020)

Complete Journal Article can be found at:

Note: We realize that many of these sites have outdated information; however, some of them are updating the information on a regular basis. These serve not as a complete list of resources but a starting point for student research. We have tried to provide only free access sites (requiring no subscription) which resulted in many U.S. news sites being eliminated.

PANDEMICS (IN GENERAL AND RELATION TO GEOGRAPHY)


https://www.nature.com/articles/d41586-020-00758-2


https://ourworldindata.org/coronavirus

https://www.visualcapitalist.com/history-of-pandemics-deadliest/

BBC. November 22, 2018. “What if a deadly influenza pandemic broke out today?”


https://doi.org/10.1038/nature06536

https://doi.org/10.1016/S0140-6736(12)61684-5


HEI


MOVEMENT


https://www.npr.org/sections/health-shots/2020/04/14/833726999/how-contact-tracing-can-help-fight-coronavirus


https://www.weforum.org/agenda/2020/04/there-s-only-one-option-for-a-global-coronavirus-exit-strategy/


BBC. April 16, 2020. “Coronavirus: NHS contact tracing app to target 80% of cell phone users.”

BBC. April 21, 2020. “Coronavirus: Apple and France in standoff over contact-tracing app.”


https://www.google.com/covid19/mobility/


BBC. April 9, 2020. “Coronavirus: The porous borders where the virus cannot be controlled.”


NPR. March 26, 2020. France transfers coronavirus patients on high-speed train with mobile emergency room.

Tracing Trump’s Contacts Before He Tested Positive

REGION
Policy Responses to COVID-19 International Monetary Fund

COVID-19 Traveler Information

Global Unemployment Rates (not related to COVID-19 only)
https://www.imf.org/external/datamapper/LUR@WEO/OEMDC/ADVEC/WEOWORLD

BBC. March 21, 2020. “Coronavirus: What could the West learn from Asia?”


http://doi.org/10.1056/NEJMp2005755


BBC. March 31, 2020. “Coronavirus: Why some countries wear face masks and others don’t.”

https://www.theguardian.com/world/2020/apr/14/should-everyone-be-wearing-face-masks


BBC. March 26, 2020. “How are food supply networks coping with coronavirus?”

BBC. April 13, 2020. “Coronavirus: Five ways the outbreak is hitting global food industry.”

BBC. March 26, 2020. “Why orange juice prices are soaring on global markets.”

PLACE


COVID-19 Essential Workers in the States


BBC. April 19, 2020. “‘We are not prepared at all’: Haiti, already impoverished, confronts a pandemic.” https://www.bbc.com/news/world-latin-america-52324225


