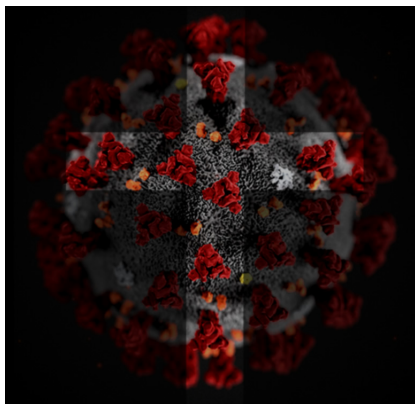


CSR COVID-19 PANDEMIC RESOURCES

A Christian Witness in a COVID-Shaped World



Cultivate a Christian imagination

- Feeling confused or paralyzed by information overload?
- Understanding how the church and individual Christians should respond to the pandemic?
- Finding a place to ask big questions and have thoughtful discussions?

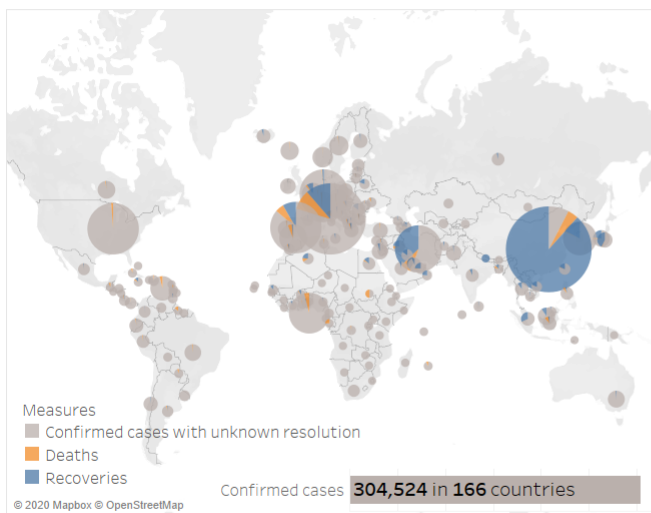
[Register now for a summer course at Calvin](#)

Interactive dashboard

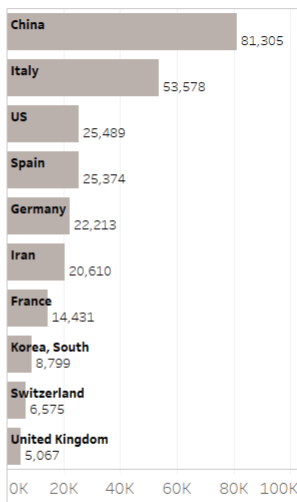
Tableau Public site

To track the spread of the COVID-19 pandemic and better inform people about known risks, CSR has prepared an [interactive Tableau Public dashboard](#), drawing on the generous public work of the [Center for Systems Science and Engineering \(CSSE\) at Johns Hopkins University](#). The newest feature is a [visual meeting risk calculator on Tableau Public with an accompanying demonstration video](#).

March 21, 2020



Confirmed cases



Select level of detail
Country

Filter for region(s):
All

Filter for country/ies
within selected region(s):
All

Click arrows to animate
March 21, 2020
 Show history

Select bar chart measure:
Confirmed cases

NEW! Meeting risk calculator

Visual history

YouTube videos

Credits: data last updated 3/21/2020 from multiple sources compiled by the Center for Systems Science and Engineering (CSSE) at the Whiting School of Engineering at Johns Hopkins University, <https://systems.jhu.edu/research/public-health/ncov/>. Data is available for download from GitHub, https://github.com/CSSEGISandData/COVID-19/tree/master/csse_covid_19_data/csse_covid_19_time_series

Thanks to Ludovic Tavernier of [greatified](https://greatified.com) for the tutorial on Tableau 2020's new animated bar charts. <https://greatified.com/2019/12/16/how-to-build-a-bar-chart-race-in-tableau-software-2020-x-with-viz-animations/>

YouTube videos

We have also begun a series of videos hosted on our YouTube channel; check out the [CSR COVID-19 playlist](#) or watch a sample video below:



Data-driven resources and journalism

These articles and dashboards have impressed us as reliable, informative communications. Visit and like [our Facebook page](#) for recent links and to suggest additions to this list.

Dashboards, maps, and simulators

- Johns Hopkins [Center for Systems Science and Engineering \(CSSE\)](#).
- [World Health Organization \(WHO\) COVID-19 dashboard](#)
- [HealthMap \(Harvard/Boston/Northeastern/Oxford Martin School\) animated dashboard](#)
- [Interactive pandemic simulator](#) by epidemiologist [Alison Hill](#)

Data journalism

- [Barclay, Eliza](#) and [Dylan Scott](#) (March 10, 2020). "How canceled events and self-quarantines save lives, in one chart: This is how we all help slow the spread of coronavirus." [Vox.com](#)
- [Kristof, Nicholas](#) and [Stuart A. Thompson](#) (March 13, 2020). "Opinion: How Much Worse the Coronavirus Could Get, in Charts" (narrative simulation). [New York Times](#).
- Makulec, Amanda (March 11, 2020). "Ten Considerations Before You Create Another Chart About COVID-19." [Nightingale blog on Medium.com](#)
- Pueyo, Tomas (March 10, 2020; updated March 19, 2020). "Coronavirus: Why You Must Act Now." [Coronavirus blog on Medium.com](#)

Pueyo's influential post (40 million views and translations into 30 languages) argues that data from China and the US state of Washington allow us to make calculable the risks of working together and holding meetings and events. Pueyo demonstrates fairly convincingly that the costs of not discouraging meetings and workplace mingling are enormous. We drew on Pueyo's math to create a [visual meeting risk calculator](#) and an [accompanying demonstration video](#).

- Rost, Lisa Charlotte (March 12, 2020). "Weekly Chart: #FlattenTheCurve" (blog post). [Datawrapper.de](#)

This insightful, urgent blog post includes a useful exponential-growth chart that aligns countries by the date they reached 100 cases and plots rates of doubling as diagonal reference lines. We adopted these lines in our [independently-developed Tableau visualization](#).

- [Stevens, Harry](#) (March 14, 2020). "Why outbreaks like coronavirus spread exponentially, and how to 'flatten the curve'" (narrative simulation). [Washington Post](#).
- [Valentino-DeVries, Jennifer](#), [Denise Lu](#) and [Gabriel J.X. Dance](#) (April 3, 2020). "Location Data Says It All: Staying at Home During Coronavirus Is a Luxury." (Scrolling chart-based narrative) [New York Times](#)

[Uses cell-phone location data and Census tract income estimates to illustrate wealth-based](#)

disparities in self-isolating behavior. "[B]y that date [March 16, when President Trump announced a national stay-home recommendation from the CDC], those in the highest-income locations had already cut their movement by nearly half. Poorer areas did not see a similar drop until three days later." By that time infection risk had at least doubled.

- Wu, Jin et al, (March 22, 2020). "How the virus got out." Narrative map-based data visualization. [New York Times](#).

Coverage of CSR's work

- "When meetings become risky business" (March 23, 2020). Press release by [Calvin University](#).
- "Calvin University employee creates a 'risk calculator' to help people track COVID-19" (March 24, 2020), [WZZM13.com](#)
- "This interactive Calvin University graph shows why social distancing works" (March 24, 2020), [Fox17online.com](#)

Local and institutional resources

West Michigan community partners

- The Kent County Health Department (KCHD) maintains a [COVID-19 information page](#).
- The Kent County [Essential Needs Task Force \(ENTF\)](#) convenes nonprofits, philanthropic funders, government agencies, business representatives, and other willing partners to meet the basic needs of the most vulnerable people in our community. The [Food and Nutrition Subcommittee](#) is particularly active early in the pandemic organizing emergency food delivery for homebound schoolchildren and others who rely on institutional food supplies.
- [Heart of West Michigan United Way](#) fields calls from neighbors in need on its 2-1-1 hotline and has a [Coronavirus information page](#).

Calvin University

Health Services' Frequently Asked Questions (FAQ)

Like most institutions of higher education, Calvin is grappling with the logistical and ethical problems posed by pandemic response. The general public may learn right alongside our community from [Health Services' Frequently Asked Questions page](#).

Calvin Institute of Christian Worship (CICW)

Our colleagues at [CICW](#) are maintaining "[COVID-19 and Worship: Resources for Churches Adapting to Social Isolation](#)," a page that includes links to "[Pandemics and Public Worship Throughout History](#)" and to [COVID-19 materials on the new Preaching and Worship site](#), a joint venture with the [Christian](#)

