COVID-19 Update for Moravian Church Southern Province

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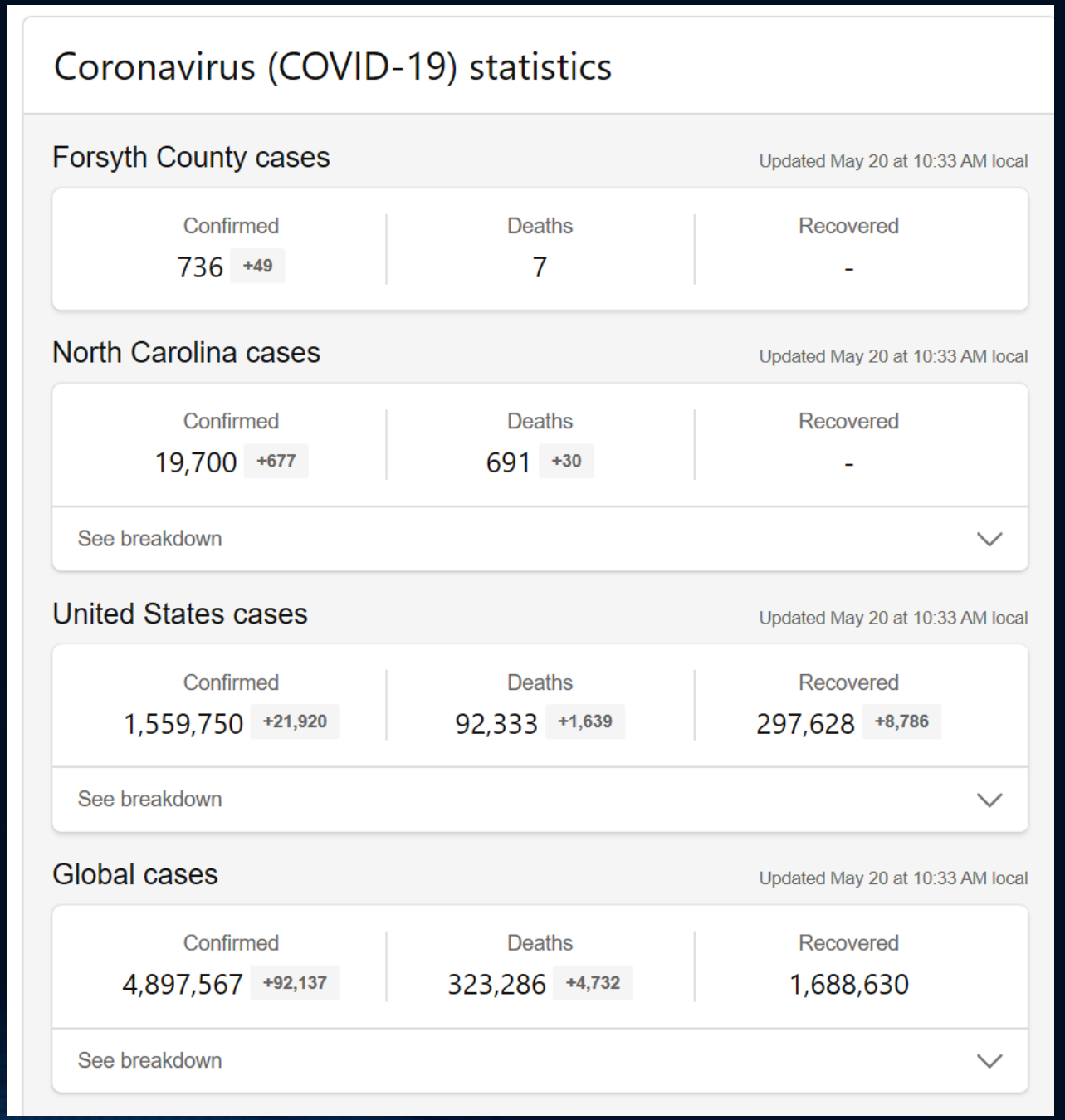
WAKE FOREST BAPTIST HEALTH

Warnings and Disclaimers

- With COVID-19, the scientific community is doing its best to move from observational/anecdotal medicine to evidence-based medicine
- But what we think we know today might be outdated information tomorrow…or this afternoon
- Thus, the information contained in these slides is subject to change
- My bias is one toward safety and bioethics
- …and I make no apologies

The Numbers - 20 May 2020



Coronavirus (COVID-19) statistics

Forsyth County cases

Updated May 20 at 10:33 AM local

Confirmed	Deaths	Recovered
736 +49	7	-

North Carolina cases

Updated May 20 at 10:33 AM local

Confirmed	Deaths	Recovered
19,700 +677	691 +30	-

See breakdown

United States cases

Updated May 20 at 10:33 AM local

Confirmed	Deaths	Recovered
1,559,750 +21,920	92,333 +1,639	297,628 +8,786

See breakdown

Global cases

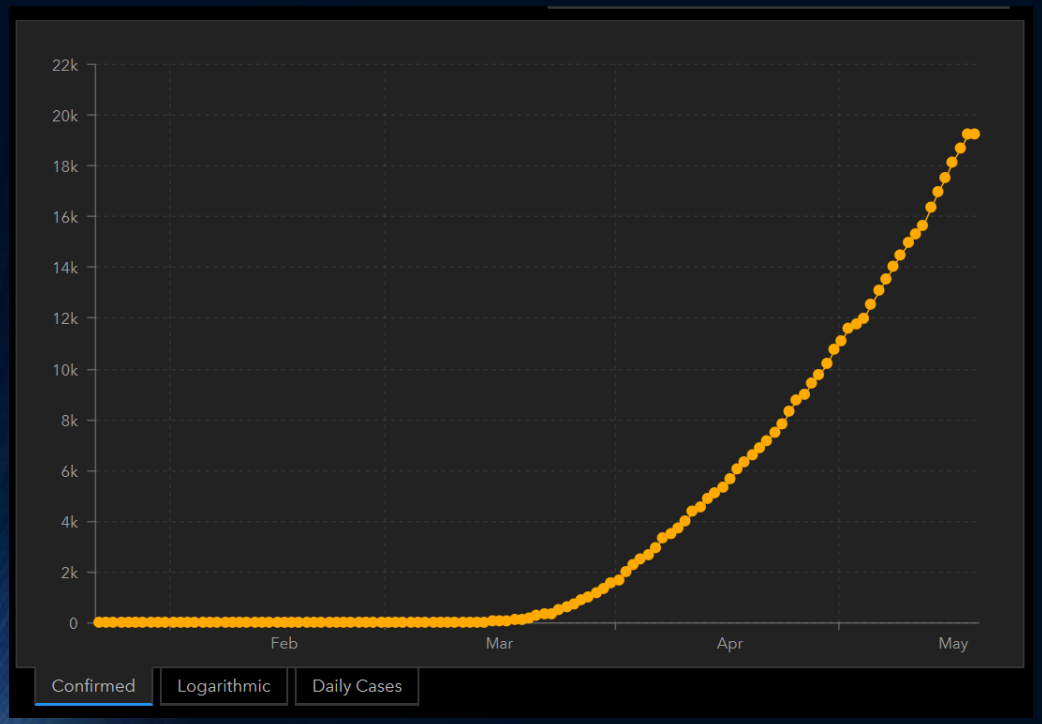
Updated May 20 at 10:33 AM local

Confirmed	Deaths	Recovered
4,897,567 +92,137	323,286 +4,732	1,688,630

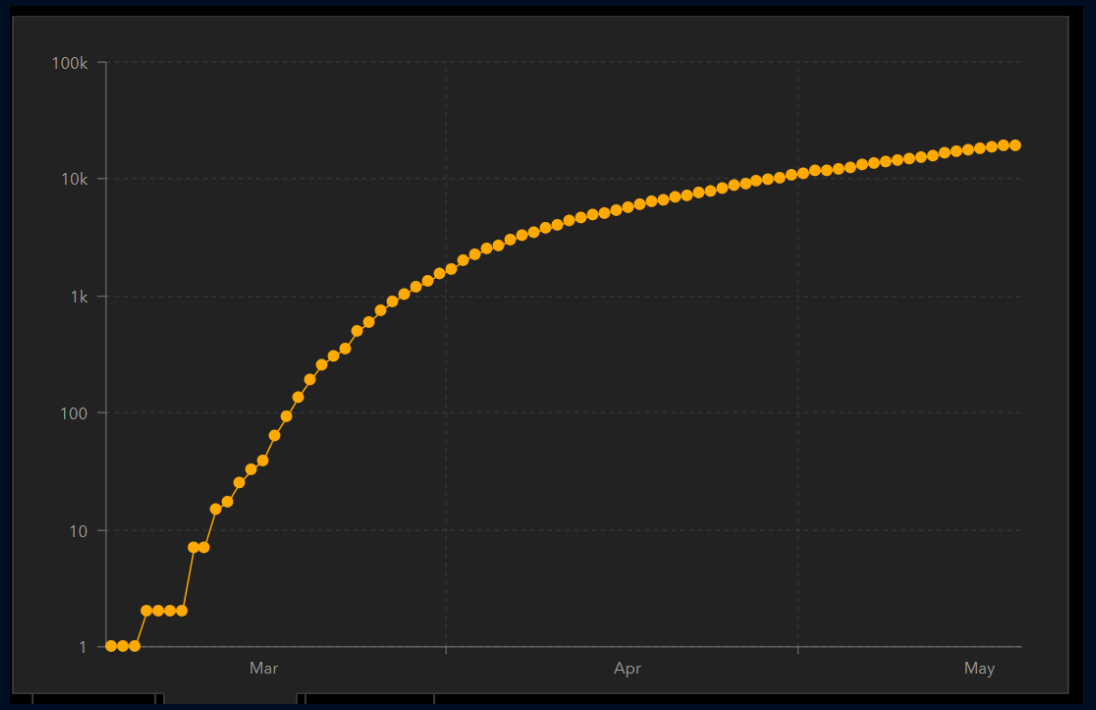
See breakdown

NC Trends as of Today*

CONFIRMED



LOGARITHMIC



*Of course, the virus knows not the confines of state lines…people travel

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

Modes of Transmission

- Most commonly a close exposure to infected person
  - Speaking, coughing, sneezing, etc.
  - Droplets land in the mouth, eyes, or nose
- Surface to surface
  - Handshakes
  - Touching contaminated surfaces and then touching eyes, nose, or mouth
  - Studies vary on contamination duration on surfaces. Many studies used very high concentrations of the virus
- Possible virus recovery in stool, semen
- Zoonotic spread? – probable origin, under analysis

https://www.cdc.gov/coronavirus/2019-ncov/hcp/infection-control-recommendations.html

COVID-19 Risk Factors for Severe Illness

- Age 65+
- People living in nursing home or long-term care facility
- Chronic lung disease or severe asthma
- Serious heart conditions
- Immunocompromised state
- Obesity (BMI 40+)
- Diabetes
- Chronic kidney disease undergoing dialysis
- Liver disease

COVID-19 Risk Factors for Hospitalized

- Preexisting liver disease
- Obesity – BMI40+ (48.3%)
- Hypertension (49.7%)
- Chronic lung disease (34.6%)
- Diabetes mellitus (28.3%)
- Cardiovascular Disease (27.8%)
- Immunocompromised state

- Immunocompromised state
  - Cancer treatment
  - Smoking
  - Bone marrow transplant
  - Organ transplant
  - Immune deficiencies
  - Poorly controlled HIV or AIDS
  - Prolonged use of corticosteroids
  - Other immune weakening conditions

COVID-19 & Children – Some Good news, but…

- Pediatric Inflammatory Multisystem Syndrome (PIMS)
  - Some (not all) tested positive for COVID-19
  - Symptoms - abdominal pain, vomiting and diarrhea, red rash lips eyes, high fever, swollen glands, swollen hands or feet
  - Inflammation can affect blood vessels throughout the body, limiting blood flow to heart, other organ
  - https://emergency.cdc.gov/han/2020/han00432.asp

Common Symptoms Suggesting COVID-19

COUGH & DYSPNEA WITH TWO+

- Fever
- Chills
- Repeated shaking with chills
- Muscle pain
- Headache
- Sore throat
- New loss of taste or smell

OTHER REPORTED SYMPTOMS

- Fatigue
- Sputum production
- Diarrhea
- Vomitting
- Malaise
- Respiratory distress

But, the risk of Asymptomatic Transmission is real…

FRANCE

- Charles de Gaulle aircraft carrier
- 1000+ crew members tested positive
- Approximately ½ asymptomatic

UNITED STATES

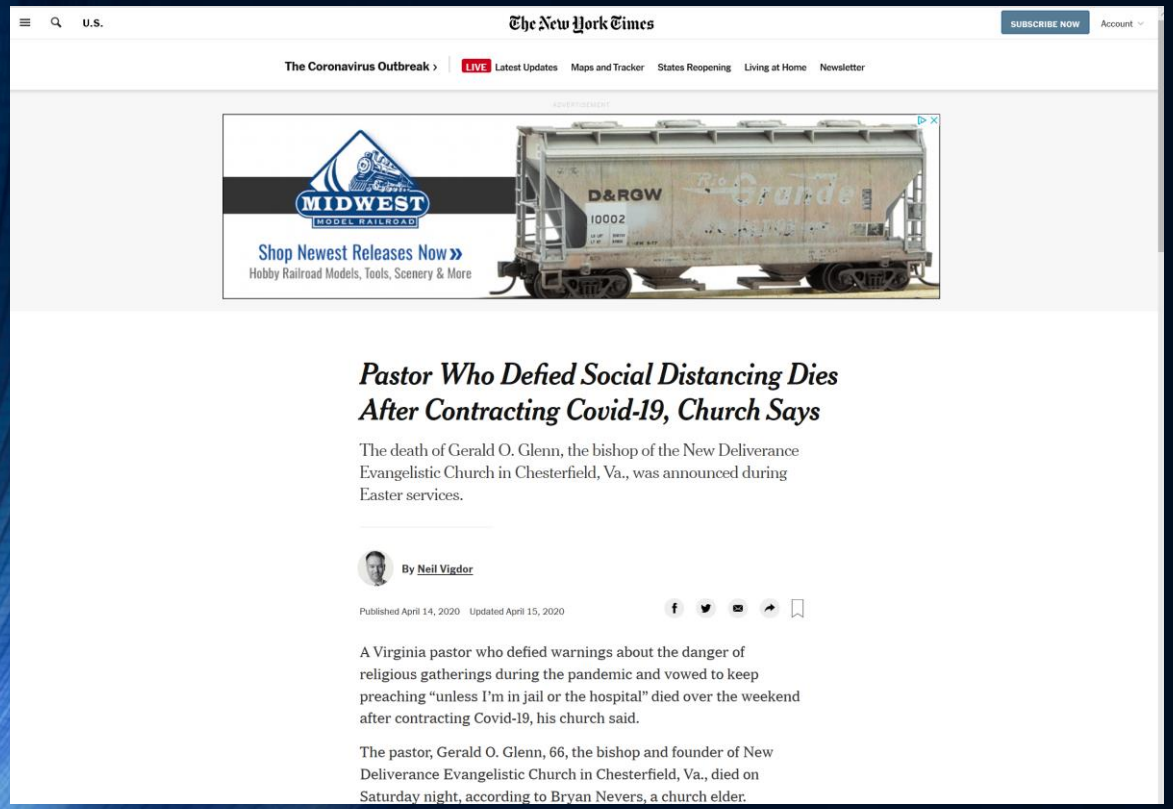
- USS Theodore Roosevelt
- Of 4800 crew members, 660 tested positive
- 53% of those testing positive were asymptomatic

OTHERS

- Iceland – 57% asymptomatic

The Risks in the Faith Community are Real

14 APRIL 2020



13 MAY 2020

Christianity Today

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INTERNATIONAL

500 of Korea's 1,000 Coronavirus Cases Tied to Shincheonji Church

(UPDATED) COVID-19 outbreak prompts 750,000 to petition South Korean president to outlaw apocalyptic movement deemed a cult by Christian leaders.

KIM TONG-HYUNG - ASSOCIATED PRESS | FEBRUARY 25, 2020 11:05 AM

Image: Kim Jun-beom / Yonhap via AP

Workers wearing protective gear spray disinfectant against the new coronavirus in front of a Shincheonji church in Daegu, South Korea.

CORONAVIRUS

71 infected with coronavirus at Sacramento church. Congregation tells county 'leave us alone'

BY TONY BIZJAK, SAM STANTON, MICHAEL MCGOUGH, AND DALE KASLER

APRIL 02, 2020 11:13 AM , UPDATED APRIL 04, 2020 08:49 AM

Animation shows the spread of coronavirus cases and deaths across California since Feb. 21, 2020, when the virus began to spread rapidly. The first COVID-19 case was in Orange County on Jan. 21. BY NATHANIEL LEVINE

Listen to this article now
08:44 Powered by Trinity Audio

Editor's note: This story was updated Friday with comments from Bethany Slavic Missionary Church.

One church in Sacramento County is now the epicenter of a major outbreak of coronavirus, and frustrated county officials say church leaders are refusing to listen to their demands to stop fellowship meetings.

Seventy-one members of the Bethany Slavic Missionary Church near Rancho Cordova or people associated with congregation members have been afflicted with the virus, county officials say, making this one of the larger outbreak clusters in the country. One parishioner has died, officials said, and the pastor is sick.

34 tied to Arkansas church test positive for coronavirus, deacon says

by Francisca Jones | March 23, 2020 at 3:32 p.m.

240

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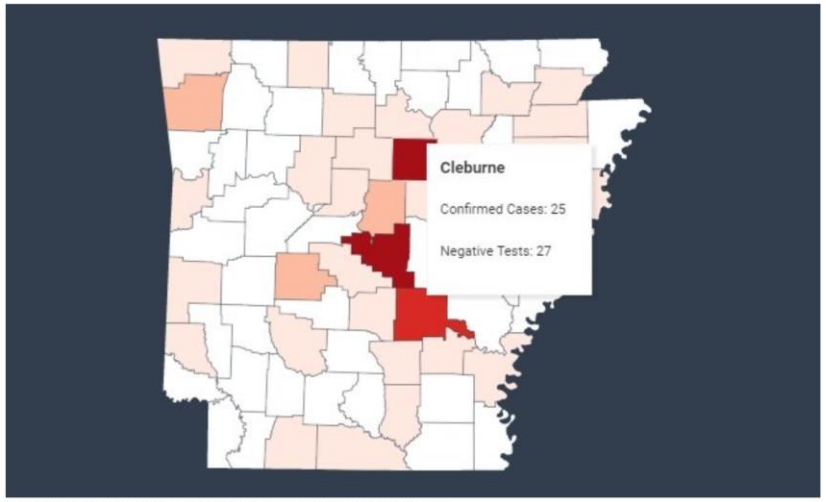

There have been 25 positive test results for covid-19 in Cleburne County as of Monday afternoon.

In support of public health, we're continuing to keep our vital coronavirus content available to all readers online.

Nearly three dozen people connected to a church in Cleburne County have tested positive for covid-19, according to a deacon of that church.

Donald Shipp of First Assemblies of God Church in Greers Ferry said Monday that 34 people who were in attendance during a recent children's event at the church had tested positive for the virus, and that more were awaiting test results.

Coronavirus Updates

Stay up to date with the latest news regarding the coronavirus pandemic.

Email Address

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Of those who tested positive for the virus, 31 are on staff at or are members of First Assemblies, he said. The remaining three are two evangelists who led the children's event March 5-8 and a child who was visiting for that event.

Shipp's update came a day after Mark Palenske, pastor of the church, said in a post shared on his Facebook

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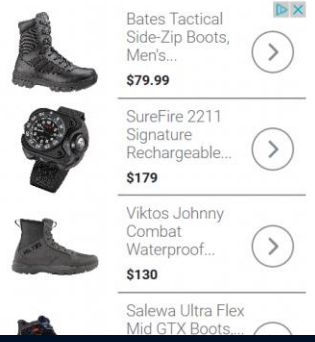

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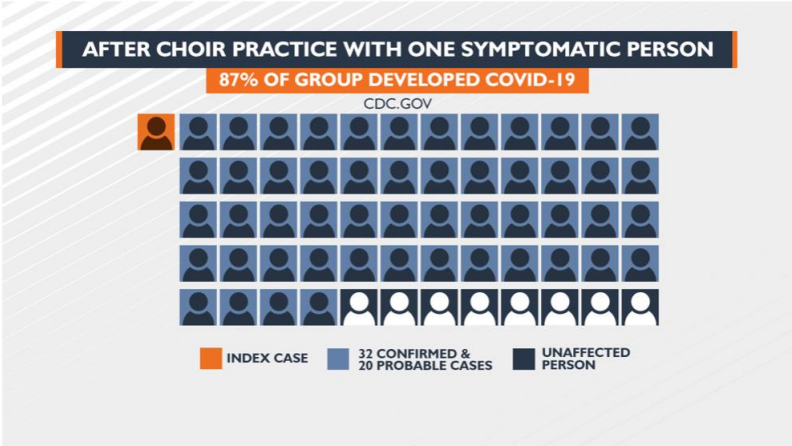
CDC calls COVID-19 spread through Washington choir a 'superspreader event'

Posted: May 14, 2020 12:30 PM

by Melissa Luck



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SKAGIT COUNTY, Wash. — Early in the spread of COVID-19 in Washington, a choir in Skagit County held choir practice. One person was infected. Weeks later, the virus spread to nearly the entire group. Now, the CDC has completed its investigation into how the infection spread through the group.

According to the CDC, the Mount Vernon choir met for two and a half hours on March 10th. 61 members of the 122-member choir were in attendance. At the time, one member was showing cold-like symptoms.

By the 17th, several members of the choir had become ill and notified Skagit County Public Health. The health department obtained a list of the choir members and identified 53 cases, 33 confirmed and 20 probable. Three were eventually hospitalized; two of them died.

The "Superspreader"

What are the implications for public health practice?

The potential for superspreader events underscores the importance of physical distancing, including avoiding gathering in large groups, to control spread of COVID-19. Enhancing community awareness can encourage symptomatic persons and contacts of ill persons to isolate or self-quarantine to prevent ongoing transmission.

https://www.cdc.gov/mmwr/volumes/69/wr/mm6919e6.htm

Are we “positive” that testing is the answer to the end of physical distancing?

When “negative” isn’t so definitive…

- *Annals of Internal Medicine (13 May 2020) - https://doi.org/10.7326/M20-1495*
- Aggregate of 7 published studies on RT-PCR* test performance
- Infection timing and false negative probability
  - 100% - day 1
  - 67% - day 4
  - 38% - day 5 (typical day symptoms apparent)
  - 20% - day 8
  - 21% - day 9
  - 66% - day 21

*Reverse Transcriptase - Polymerase Chain Reaction

What about “positive” tests and immunity?

From the CDC as of today (20 May 2020):

“CDC and partners are investigating to determine if you can get sick with COVID-19 more than once. At this time, we are not sure if you can become re-infected. Until we know more, continue to take steps to protect yourself and others.”

https://www.cdc.gov/coronavirus/2019-ncov/faq.html

And let's not forget the 'second wave'…and third…and fourth…

Bloomberg

China's New Outbreak Shows Signs the Virus Could Be Changing

Bloomberg News 4 hrs ago

(Bloomberg) -- Chinese doctors are seeing the coronavirus manifest differently among patients in its new cluster of cases in the northeast region compared to the original outbreak in Wuhan, suggesting that the pathogen may be changing in unknown ways and complicating efforts to stamp it out.

POLITICS

CDC Director Redfield warns second coronavirus wave could be 'more difficult,' hit same time as flu

William Cummings USA TODAY

Published 10:50 a.m. ET Apr. 22, 2020 | Updated 6:54 p.m. ET Apr. 22, 2020

THE LANCET

COMMENT | VOLUME 395, ISSUE 10233, P1321-1322, APRIL 25, 2020

Beware of the second wave of COVID-19

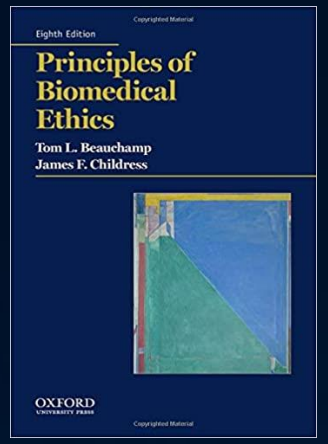
Shunqing Xu • Yuanyuan Li

Published: April 08, 2020 • DOI: https://doi.org/10.1016/S0140-6736(20)30845-X • Check for updates

The outbreak of coronavirus disease 2019 (COVID-19), which began in Wuhan, C
2019, has spread to 203 countries as of March 30, 2020, and has been officially

Reopening the Worship Space -A Suggested Ethical Framework

A CO-OPTED BIOMEDICAL ETHICS FRAMEWORK



Principles of Biomedical Ethics

Reference: Beauchamp TL C, JF. *Principles of biomedical ethics.* 5th ed. New York, NY: Oxford University Press; 2001:57-272.

- Wesleyan Quadrilateral of Bioethics
- Principles and Questions
  - Autonomy – honoring the informed choices and actions of autonomous persons – Just because we can, should we?
  - Beneficence – doing what is best – Best for whom? Individual or society? Short-term? Long-term?
  - Non-maleficence – do not inflict harm (over benefit) through commission or omission – How do we understand and describe risk vs. benefit?
  - Justice - treating equals equally & unequals unequally (distributed justice) – Do we use a corporate or individual lens…or both?

When Faith Communities Open

Decide ahead of time

- How will people enter? Exit? Use the restroom?
- What supplies are needed (hand sanitizer, masks, etc.)
- What will you do if someone tries to enter without a mask? Takes their mask off during the service?
- What will you do if someone breaks social distancing by accident or intention?

When Faith Communities Open

- When the doors are open
  - How will you handle people who show up at your door who look ill?
    - Take their temperature?
    - Ask them to leave?
  - What will you do if someone tries to enter without a mask? Takes their mask off during the service?
  - What will you do if someone breaks social distancing by accident or intention?
  - Will you let folks sing, read responsively, take communion?
  - Can these functions occur in an environment where few properly wear their masks?

Resources

- Centers for Disease Control (CDC) https://www.cdc.gov/coronavirus/2019-ncov/community/organizations/index.html
- NC Department of Health and Human Services (NCDHHS) https://covid19.ncdhhs.gov/dashboard
- Forsyth County NC Department of Public Health https://www.forsyth.cc/PublicHealth/novel_coronavirus.aspx

FaithHealthNC

FaithHealthNC - https://faithhealthnc.org/

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