

## Novel Coronavirus

Why is COVID-19 so very dangerous?

### A. Current Status

1. Infection Rate (Naught factor) 2.2 others infected by each case. Flu is 2-3.
2. Mortality Rate (MR)  
for 2 months, was estimated to be about 2.5.  
UN WHO last week says MR is 3.4 (100,000 with 3334 deaths). Flu is 0.1 which means that COVID-19 is 34 times more deadly than the flu.  
USA says 0.1 to 1 but no historical or scientific evidence for saying that.
3. Asymptomatic Time  
up to 1 week with no symptoms but infectious.
4. Symptoms similar to flu and now spreading during flu season.
5. Remains on surface for 2 weeks.
6. Person to person spread through droplets of bodily fluids; also airborne.
7. Timing of occurrences aligns with major holidays and events.
8. Status as of Saturday night, March 7, 2020 – Italy quarantined 16 million. 6 continents, over 90 countries, 106K cases with 3600 deaths worldwide.  
**Note:** COVID-19 is infectiously transmitted like the flu but more deadly.

### B. Forecasts

#### **United Nations** Speech March 5, 2020

Given by UN WHO Director-General Tedros Ghebreyesus

This is not a drill. This is not the time for giving up. This is not the time for excuses. This is the time for pulling out all the stops. Countries have been planning for scenarios like this for decades. Now is time to act on these plans.

#### **Computer studies and simulations.**

Johns Hopkins University research study released about Sept 2019.

The study predicted that a virus like Coronavirus in the first 18 months would kill 65 million people. This computer simulation study was done 3 months before COVID-19 was identified in December 2019.

Harvard University on CBS March 1, 2020, Mark Lipsitch, one of the USA's top experts on viruses in an interview with Jim Axelrod:

This stimulation predicts that COVID-19 will infect 40 to 70% of the world's adult population. The assumed mortality rate was 1%.

**Note:** The world population is about 8 billion. If you assume, 50% infected, that is 4 billion, so 1% would be 40 million dead. But the UN WHO estimated mortality rate is 3.4 which would result in over 120 million dead.

UCLA From the Los Angeles Times Mar 4, 2020, Dr. Otto Yang, an infectious disease expert at UCLA, said that the COVID-19 could wind up somewhere between the Spanish flu of 1918 and the H1N1 Virus (Swine Flu) in 2009.

Based on what is known right now, his best guess is that it might resemble the pandemic flu of 1968, which killed about 1 million people globally, including 100,000 in the US. At that time the fatality rate for those infected was 0.03%.

**Note that this means the COVID-19 is 100 times more deadly.**

### C. Comparisons

Spanish Flu of 1918 was the worst pandemic of the 20<sup>th</sup> Century.

It is estimated to have killed at least 50 million people over 3 years. That includes over 675,000 in the US. The fatality rate was about 2.5%

Swine Flu (H1N1 virus) pandemic of 2009 was the most recent pandemic and caused from 152,000 to 175,000 deaths worldwide with about 12,500 in the US in the **first** year. About 60 million people in the USA were infected.

**Note:** Mortality rate was 0.02% (at 3.4%, 2.1 million would have died.)

Influenza (Flu). During this current season in the USA, since October 2019, the Flu has infected 32 million people, hospitalized 310,000 and killed 18,000.

**Note:** The mortality rate of the Flu is low, normally 0.1%; in this season it is actually 0.05. So COVID-19 is 68 times more deadly than this current Flu strain. For 32 million people, 1,224,000 would have died from COVID-19.

**Common Question:** Why don't they quarantine for the Flu?

Expert's answer is, "To try to quarantine the flu is like trying to harness the wind." Remember the Flu and COVID-19 are transmitted in the same manner with about the same Naught (Reproductive) factor i.e., 2-3 persons.

### D. Good News

80% of those infected by COVID-19 have mild symptoms.

96.6% survive the infection and return to normal life in a few weeks.

The good news is the **Good News**, the Gospel of Jesus Christ.

Ps 91:10, Luke 10:19, Ephesians 4:30

### E. How to make a hand sanitizer gel because stores are sold out.

(Quoted from ABC7 news)

2/3 cup 91% (rubbing) isopropyl alcohol

1/3 cup aloe vera gel

Optional

(antibacterial) Tea Tree Oil – 5 drop

(calming) Lavender Oil – 5 drops

Vitamin E.

Whisk them all together.

## **F. Physical Lifestyle Guidelines**

Masks: wear in crowded places. Best to use mask only once but with the shortage, reusing may be necessary. Before reusing, I suggest you bake it in direct sunlight (even through the window pane) for a couple of hours or more so that the UV rays will kill any viruses.

Face: Try not to touch your face. Person touches face about 90 times per day.

Cough into tissue and dispose of it properly; if no tissue, cough into elbow.

Hands: wash frequently including every time you enter your home. Wash hands or sanitize every time you use money. Bank of China. Cocaine. Use sanitizer on your hands when you enter your car.

Periodically sanitized your steering wheel with sanitizer wipes, or alcohol.

Test it on the wheel in a small area before you do the entire wheel.

Don't shake hands. Use fist (knuckle) bumps or elbow bumps.

Use knuckles on elevator buttons, doors, etc.

Clean your cell phones with Lysol or Clorox wipes. Lysol advertises phone safe. Toilet seat 1200 bacteria per sq in, kitchen sink 1700, cell phone 27,000.

Plane: everything dirty. The worst is the seat back storage area. Don't use it.

Buy masks, hand sanitizers and wipes.

Have 3 months of food at home (e.g. rice, flour, pasta, beans). Some water.