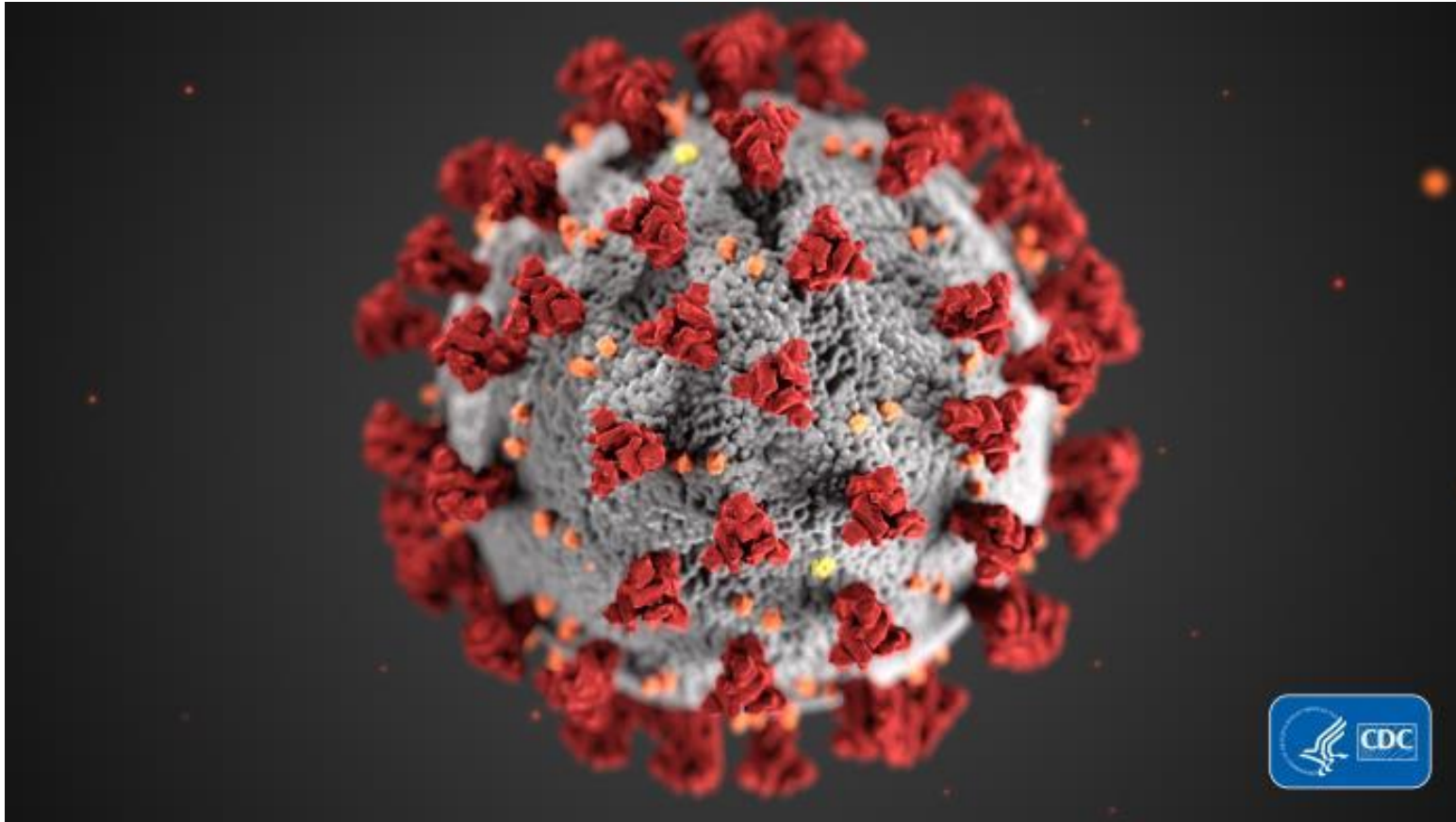


COVID-19



Samuel S. Wong, PhD
Director of Public Health
City of Framingham

What We Know So Far ...

As of 3/06/2020 morning

- Global
 - ~100k confirmed cases
 - ~3.4k deaths
 - 88 countries with confirmed cases
- United States
 - 215 confirmed cases
 - 14 deaths
 - 20 states
- Massachusetts
 - 1 confirmed case
 - 2 presumptive positive cases

What We Know So Far ...

- **It's a lung disease**
- Symptoms
 - ~90% have fever (100.4F or above)
 - ~70% have dry cough
 - ~40% have fatigue
 - ~20% have shortness of breath
 - ~5% have nasal congestion
- Incubation period 2-14 days (median around 5 days)

What We Know So Far ...

- Prognosis from WHO
 - 80% have a mild disease
 - 14% have a severe disease (pneumonia)
 - 5% have a critical disease
- Fatality rate ~2%
 - Less in younger adults
 - Higher in older adults
 - None in <10 y.o.

What We Know So Far ...

- Transmission via droplets
 - Saliva (coughing, talking, etc.)
 - Nasal discharge (sneezing)
- Unclear on asymptomatic transmission
- Viable on surfaces for a few hours to several days
- Common disinfectants will work

What We Know So Far ...

- Personal Prevention
 - Stay home if sick
 - Washing hands with soap and warm water
 - Hand sanitizer
 - Cough/sneeze etiquette
 - Greeting etiquette
 - Try not to touch your face

What We Know So Far ...

- Community Prevention Currently
 - Isolate suspected & confirmed cases
 - Quarantine potential exposures
 - Travel related
 - Contact related
 - Public communication
 - Organizational preparedness and planning