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