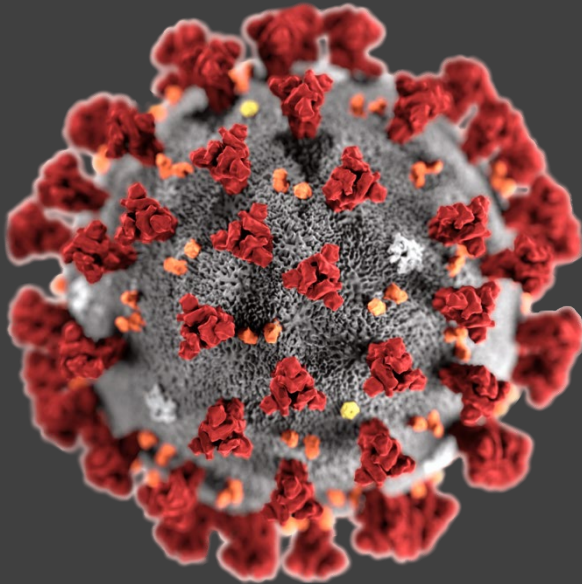


COVID-19



Highly contagious

- Transmission by
 - Large droplets from the respiratory tract –
 - “danger zone” of up to 12 feet
 - Airborne – can drift in air for several hours, creating “toxic cloud”
- Can be transmitted by persons who have no symptoms: this can occur before or after clinical symptoms, or in persons who never have clinical symptoms

Range of clinical presentations

- Most severe – respiratory failure, with fibrosis of lungs – but also involvement of brain, heart, kidney, liver, and GI tract. Presentation with non-respiratory symptoms is not uncommon, particularly among older populations
- At other end of spectrum – up to 50% of infected persons in large, population-based studies are asymptomatic, with another 30-40% having only mild symptoms

Coronavirus: characteristics of 27,127 Florida resident cases

Data verified as of Apr 21, 2020 at 5 PM

Data in this report are provisional and subject to change.

Age group	Cases		Hospitalizations		Deaths	
0-4 years	130	0%	8	0%	0	0%
5-14 years	257	1%	5	0%	0	0%
15-24 years	1,947	7%	61	1%	0	0%
25-34 years	4,043	15%	213	5%	9	1%
35-44 years	4,164	15%	394	9%	18	2%
45-54 years	4,996	18%	572	14%	32	4%
55-64 years	4,758	18%	736	17%	90	10%
65-74 years	3,509	13%	962	23%	212	24%
75-84 years	2,134	8%	803	19%	259	30%
85+ years	1,147	4%	472	11%	247	28%
Unknown	42	0%	0	0%	0	0%
Total	27,127		4,226		867	

Gender	Cases	
Male	13,552	50%
Female	13,437	50%
Unknown	138	1%
Total	27,127	

Illustrative Skilled Nursing Facility Outbreaks

Facility A

- Facility was following standard CDC guidelines for skilled nursing facilities
- Index case: sent to Emergency Department with possible stroke
 - Testing in ED: COVID-19
- Screening of patients and staff: 4 (9%) of 43 asymptomatic persons tested were positive for COVID-19

Facility B

- Facility was following standard CDC guidelines
- Index case: sent to Emergency Department with loss of consciousness
 - Testing in ED: COVID-19
- Screening of patients and staff: 9 (5%) of 181 asymptomatic persons tested were positive for COVID-19

Having a testing program for skilled nursing facilities is critically important

- CDC guidelines for Skilled Nursing Facilities provides an important starting point for identifying and controlling outbreaks
- However:
 - Be aware that older patients may not present with “typical” COVID symptoms
 - Both staff and patients may be infected with COVID, even if asymptomatic
 - As of April 13, CDC is indicating a preference for “test-based” rather than “non test-based” criteria for return to work of previously infected staff members

Some General Public Health Thoughts on “Reopening”

Trigger to initiate process: evidence of decreasing transmission within local community across a 14-day period

Prerequisites:

- Local healthcare system has sufficient resources to handle possible surge in patient numbers
- Testing program in place, to accurately identify persons infected with the virus
 - Viral screening (nasopharyngeal swabs) easily accessible, able to handle high volumes, with rapid reporting of results (ideally <4 hours), and sufficient funding to cover cost
 - Screening of symptomatic and asymptomatic individuals
 - Antibody screening – still issues with assays, interpretation of results, but of clear potential value
- System in place for contact tracing, to identify and isolate case clusters

Some General Public Health Thoughts on “Reopening”

Re-opening process

- Staged process: “loosen the faucet” rather than “open the floodgates”
- Continue to encourage physical distancing to 6 feet
- Continue to prohibit mass gatherings
- Limit contact with persons coming from COVID-19 “hot spots” nationally or from international locations
- Be prepared to resume more stringent isolation practices if data show that numbers of COVID-19 cases are increasing

Ongoing public health measures

- Encourage washing hands often, cover coughs, have hand sanitizer available in public areas/entranceways, etc.
- Strongly encourage persons to stay home if ill (and get tested); ideally linked with system of paid sick leave for employees
- Routine surface and object cleaning in public areas
- Avoid crowding, encourage having <50 people in social gatherings
- Vulnerable populations (persons >60 years, or with underlying conditions) should continue to “protect themselves” by engaging in physical distancing as much as possible