

Twelve Things We Know About the Spread of Covid 19

1. Any in-person meeting or gathering carries increased risk of spreading the disease
2. The primary means of spread may be by aerosol dispersion
3. Covid 19 can easily be spread through close personal contact
4. The virus can remain viable in the air for at least 3 hours
5. The virus can disperse upon exhalation up to 3 to 5 feet
6. The virus can disperse in the air up to 8 to 10 feet through singing or shouting
7. The virus can disperse through an uncovered cough or sneeze up to 13 feet
8. If there is a contagious person in a space, the concentration of droplets in the air will increase over time
9. Covid19 can remain viable on an un-sanitized surface for up to 3 days; on a wood surface up to 6 days
10. Persons over the age of 65 to 70 are at increased risk of health complications
11. Persons with pre-existing health conditions are at increased risk of health complications
12. Infected persons may shed the Covid 19 virus for 2 to 3 days before showing symptoms, and may continue to be asymptomatic through recovery

Twelve Mitigation Practices for Controlling the Spread of Covid 19

1. Remote, electronic gatherings reduce the risk of spreading Covid 19 to practically zero
2. Proper wearing of a cloth mask may decrease chance of transmission by up to 80%
3. Outdoor events are safer than indoor events because there is less accumulation of the Covid 19 virus in the ambient air
4. Limiting the amount of unmasked conversation, singing, and shouting in an indoor venue will limit the rate of accumulation of aerosol particles
5. Persons at high risk of complications should consider not attending activities that may expose them to Covid 19: over age 65, high risk health issues, etc.
6. Physical distancing of at least 6 feet decreases the probability of aerosol transmission
7. Screening of persons as they enter a gathering venue will decrease the level of risk to all: answering questions about feeling ill, having a temperature, having been exposed, at high risk, etc.
8. Frequent cleaning of hands by washing with soap and water or hand sanitizer decreases the risk of transmission
9. Avoiding touching hands to face decreases chance of transmitting disease
10. Sanitizing a surface with an effective sanitizing agent will deactivate the virus from that surface; with a ten-minute wait.
11. Decreasing the duration of an in-person gathering will decrease the risk of spread of Covid 19.
12. The virus is no longer viable on a surface after a waiting period ... 3 to 5 days, in the air at least 3 hours