



Testing the asymptomatic population is important for monitoring spread

Why is asymptomatic testing important?

According to the US Centers for Disease Control and Prevention (CDC), persons without symptoms are significant contributors to SARS-CoV-2 transmission [1].

Why do we need it?

To detect silent spreading. By a best estimate of viral transmission and disease severity in the US by the CDC, 40% of infections are asymptomatic [2].



In that same CDC best estimate, an asymptomatic individual is 75% as infectious as a symptomatic individual [2].



How does it help?

In a modeling study of a hypothetical community with 4,990 uninfected people and just 10 infected people who are asymptomatic, we see how effective it can be to test the asymptomatic population. A community that uses only symptom-based screening would have 4,970 infections after 80 days. With asymptomatic testing every 2 days, infections would drop to 243, while testing every day would drop them to 162 [3].

Day 0



● Not infected

Day 80



● Infected

Help protect your people

Whether you're a large or small organization, implementing a plan for asymptomatic testing helps empower your company and stakeholders to thrive in challenging times.



1. "CDC Guidance for Expanded Screening Testing to Reduce Silent Spread of SARS-CoV-2." Centers for Disease Control and Prevention. Updated January 21, 2021. [cdc.gov/coronavirus/2019-ncov/php/open-america/expanded-screening-testing.html](https://www.cdc.gov/coronavirus/2019-ncov/php/open-america/expanded-screening-testing.html)
2. "COVID-19 Pandemic Planning Scenarios." Centers for Disease Control and Prevention. Updated September 10, 2020. [cdc.gov/coronavirus/2019-ncov/hcp/planning-scenarios.html](https://www.cdc.gov/coronavirus/2019-ncov/hcp/planning-scenarios.html)
3. Paltiel AD et al. (2020) Assessment of SARS-CoV-2 screening strategies to permit the safe reopening of college campuses in the United States. *JAMA Netw Open* 3(7):e2016818. jamanetwork.com/journals/jamanetworkopen/fullarticle/2768923

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