



## Africa Centres for Disease Control and Prevention **Position Statement on Transmission of SARS-CoV-2** by Pre-symptomatic and Asymptomatic Individuals

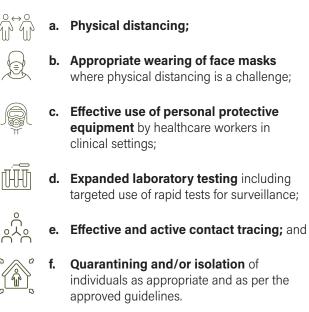
Over the past weeks, there has been wide media attention on the risk of transmission of the novel coronavirus [severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2)] by asymptomatic individuals. This situation has also been extensively discussed on various platforms globally. The purpose of this position statement is for the Africa Centres for Diseases Control and Prevention (Africa CDC) to clarify the situation of transmission of SARS-CoV-2 by pre-symptomatic and asymptomatic Individuals.

## Africa CDC would like to provide clarity as follows:

- 1. That there is a difference between pre-symptomatic and asymptomatic:
  - Pre-symptomatic is an individual for whom the SARS-CoV-2 is detected before they develop any symptoms <sup>i-iv</sup>; and
  - Asymptomatic is an individual for whom SARS-CoV-2 is detected but they do not develop any known symptoms<sup>v-vii</sup>.
- 2. That pre-symptomatic and asymptomatic individuals can and do transmit SARS-CoV-2 and indeed are significant drivers of this pandemic<sup>viii-x</sup>.
- 3. Asymptomatic individuals are of public health importance in this pandemic. As such, we need to actively identify and isolate all asymptomatic individuals to slow down community transmission of SARS-CoV-2.
- 4. By identifying asymptomatic individuals in the society, the number of active cases are expected to increase and this may provide a more accurate picture of the burden of disease and enable adequate planning for preparedness and response to COVID-19.



## While appreciating these facts, Africa CDC re-affirms the following recommendations:



## References

- Li C, Ji F, Wang L, Wang L, Hao J, Dai M, et al. Asymptomatic and humanto-human transmission of SARS-CoV-2 in a 2-family cluster, Xuzhou, China. Emerg Infect Dis. 2020 Mar 31 [Epub ahead of print].
- II. Tong ZD, Tang A, Li KF, Li P, Wang HL, Yi JP, et al. Potential presymptomatic transmission of SARS-CoV-2, Zhejiang Province, China, 2020. Emerg Infect Dis. 2020;26:1052–4. DOIExternal LinkPubMedExternal Link
- III. Yu P, Zhu J, Zhang Z, Han Y, Huang L. A familial cluster of infection associated with the 2019 novel coronavirus indicating potential person-toperson transmission during the incubation period. J Infect Dis. 2020;jiaa077; Epub ahead of print. DOIExternal LinkPubMedExternal Link
- IV. Ye F, Xu S, Rong Z, Xu R, Liu X, Deng P, et al. Delivery of infection from asymptomatic carriers of COVID-19 in a familial cluster. Int J Infect Dis. 2020;94:133–8; Epub ahead of print
- V. Bai Y, Yao L, Wei T, Tian F, Jin DY, Chen L, et al. Presumed asymptomatic carrier transmission of COVID-19. JAMA. 2020;323:1406. DOIExternal LinkPubMedExternal Link
- VI. Hu Z, Song C, Xu C, Jin G, Chen Y, Xu X, et al. Clinical characteristics of 24 asymptomatic infections with COVID-19 screened among close contacts in Nanjing, China. Sci China Life Sci. 2020;63:706–11. DOIExternal Link
- VII. PubMedExternal Link Zhang J, Tian S, Lou J, Chen Y. Familial cluster of COVID-19 infection from an asymptomatic. Crit Care. 2020;24:119.
- VIII. Li R, Pei S, Chen B, Song Y, Zhang T, Yang W, et al. Substantial undocumented infection facilitates the rapid dissemination of novel coronavirus (SARS-CoV-2). Science. 2020;368:489–93; Epub ahead of print.
- IX. Ferretti L, Wymant C, Kendall M, Zhao L, Nurtay A, Abeler-Dörner L, et al. Quantifying SARS-CoV-2 transmission suggests epidemic control with digital contact tracing. Science. 2020;eabb6936; Epub ahead of print.
- X. He X, Lau EHY, Wu P, Dong X, Wang J, Hao X, et al. Temporal dynamics in viral shedding and transmissibility of COVID-19. Nat Med. 2020; Epub ahead of print.