

SYNOPSIS

02/19/2020

Review of “Novel coronavirus infection in hospitalized infants under 1 year of age in China”

Article citation: Wei M, Yuan J, Liu Y, Fu T, Yu X, Zhang Z. Novel coronavirus infection in hospitalized infants under 1 year of age in China. JAMA. 2020 Feb 14 [Epub ahead of print]. Available from: <https://jamanetwork.com/journals/jama/fullarticle/2761659>

One-Minute Summary

- This research letter provides details on all hospitalized infants diagnosed with coronavirus disease 2019 (COVID-19) infection between December 8, 2019 and February 6, 2020 in China, with infants aged 28 days to 1 year specified in the study’s inclusion criteria.
- Of the **nine hospitalized infants**, seven were female and the age range was 1-11 months.
 - All were infected following a family member’s infection.
- Of the seven for whom symptom information was available:
 - Four had a history of fever
 - Two had mild upper respiratory tract symptoms
 - **One was asymptomatic**
- **None of the infants required intensive care or had any severe complications.**

Additional Information

- Infection was defined as two positive test results using real-time PCR.
- The time between admission and diagnosis was one to three days.
- The asymptomatic child was tested following known exposure to an infected family member.
- Case counts and age were identified using data released by the central government; further information was then retrieved through contacting local hospitals and the Chinese Center for Disease Control and Prevention.

PHO Reviewer’s Comments

- At the time of publication, the authors note that China had reported 31,211 confirmed cases; however, they did not provide the total number of cases in children, nor the total number of hospitalizations amongst all cases.

Citation

Ontario Agency for Health Protection and Promotion (Public Health Ontario). Review of "Novel coronavirus infection in hospitalized infants under 1 year of age in China". Toronto, ON: Queen's Printer for Ontario; 2020.

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