

COVID-19 CADTH REFERENCE LIST

Isolation Measures to Prevent COVID-19 Transmission: Clinical Evidence and Guidelines

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To produce this report, CADTH used a modified approach to the selection, appraisal, and synthesis of the evidence to meet decision-making needs during the COVID-19 pandemic. Care has been taken to ensure the information is accurate and complete, but it should be noted that international scientific evidence about COVID-19 is changing and growing rapidly.

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Questions or requests for information about this report can be directed to requests@cadth.ca

Research Questions

1. What is the clinical evidence regarding home or community isolation for the prevention of coronavirus disease (COVID-19) transmission?
2. What are the evidence-based guidelines regarding home or community isolation for the prevention of coronavirus disease (COVID-19) transmission?

Key Findings

No clinical evidence was identified regarding home or community isolation for the prevention of coronavirus disease (COVID-19) transmission. In addition, no relevant evidence-based guidelines were identified regarding home or community isolation for the prevention of coronavirus disease (COVID-19) transmission.

Methods

A limited literature search was conducted by an information specialist on key resources including PubMed, the Cochrane Library, the University of York Centre for Reviews and Dissemination (CRD) databases, the websites of Canadian and major international health technology agencies, as well as a focused internet search. The search strategy was comprised of both controlled vocabulary, such as the National Library of Medicine’s MeSH (Medical Subject Headings), and keywords. The main search concepts were social isolation and COVID -19. No filters were applied to limit the retrieval by study type. The search was limited to English language documents published between Jan 1, 2015 and Apr 21, 2020. Internet links were provided, where available.

Selection Criteria

One reviewer screened citations and selected studies based on the inclusion criteria presented in Table 1.

Table 1: Selection Criteria

Population	Patients who have been with confirmed or presumptive coronavirus disease (COVID-19)
Intervention	Home or community isolation (i.e., receiving care and treatment in a non-hospital setting)
Comparator	Q1: Hospital-based or no isolation Q2: Not applicable
Outcomes	Q1: Prevention of coronavirus transmission or infection Q2: Recommendations regarding home isolation and when it is appropriate (e.g., length of isolation after the onset of treatment)
Study Designs	Health technology assessments, systematic reviews, randomized controlled trials, non-randomized studies, and evidence-based guidelines

Results

Rapid Response reports are organized so that the higher quality evidence is presented first. Therefore, health technology assessment reports and systematic reviews are presented first. These are followed by randomized controlled trials, non-randomized studies, and evidence-based guidelines.

No clinical evidence was identified regarding home or community isolation for the prevention of coronavirus disease (COVID-19) transmission. In addition, no relevant evidence-based guidelines were identified regarding home or community isolation for the prevention of coronavirus disease (COVID-19) transmission.

References of potential interest are provided in the appendix.

Overall Summary of Findings

No relevant clinical evidence or evidence-based guidelines were identified regarding home or community isolation for the prevention of coronavirus disease (COVID-19) transmission, therefore no summary can be provided.

References Summarized

Health Technology Assessments

No literature identified.

Systematic Reviews and Meta-Analyses

No literature identified.

Randomized Controlled Trials

No literature identified.

Non-Randomized Studies

No literature identified.

Guidelines and Recommendations

No literature identified.

Appendix — Further Information

Related CADTH Reports

1. Hafizi D, Loshak H, et al. Infection prevention and control measures in mental health facilities: guidelines. Ottawa: CADTH; 2020 Apr 17.
<https://cadth.ca/sites/default/files/covid-19/RB1482%20COVID%20IPC%20Mental%20Health%20Final.pdf> Accessed 2020 Apr 30.

Systematic Reviews — Alternative Conditions

2. Fong MW, Gao H, Wong JY, et al. Nonpharmaceutical Measures for Pandemic Influenza in Nonhealthcare Settings-Social Distancing Measures. *Emerg Infect Dis.* 2020;26(5):976-984. https://wwwnc.cdc.gov/eid/article/26/5/19-0995_article Accessed 2020 Apr 30.
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Clinical Practice Guidelines — Methodology Not Specified

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See: Case Management (confirmed, probable, and suspect), Case Management in the Community, including suspect cases, page 5; Appendix 1: Self-isolation considerations for cases, page 10.
5. Guidelines for the prevention, control and public health management of influenza outbreaks in residential care facilities in Australia. Canberra: Communicable Diseases Network Australia; 2017 Mar.
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See: 5.4 Isolation and cohorting, page 19.
6. Considerations when preparing for COVID-19 in assisted living facilities. Atlanta; Centers for Disease Control and Prevention; 2020 Apr 15.
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See: Rapidly identify and properly respond to residents with suspected or confirmed COVID-19.
7. Discontinuation of isolation for persons with COVID-19 not in healthcare settings [*interim guidance*]. Atlanta: Centers for Disease Control and Prevention; 2020 Apr 10.
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See: Assess the Suitability of the Residential Setting for Home Care.
10. CDC. Interim Guidance on Management of Coronavirus Disease 2019 (COVID-19) in Correctional and Detention Facilities; 2020 Apr 18.
<https://www.cdc.gov/coronavirus/2019-ncov/community/correction-detention/guidance-correctional-detention.html>
See: Medical Isolation of Confirmed or Suspected COVID-19 Cases.
11. Key strategies to prepare for COVID-19 in long-term care facilities (LTCFs). Atlanta: Centers for Disease Control and Prevention; 2020 Apr 15.
<https://www.cdc.gov/coronavirus/2019-ncov/hcp/long-term-care-strategies.html>
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See: 3. Prevent spread of COVID-19.
12. Preparing for COVID-19: Long-term Care Facilities, Nursing Homes. Atlanta: Centers for Disease Control and Prevention; 2020 Apr 15.
<https://www.cdc.gov/coronavirus/2019-ncov/hcp/long-term-care.html> Accessed 2020 Apr 30.
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13. Considerations relating to social distancing measures in response to COVID-19 – second update. Stockholm: European Centre for Disease Prevention and Control; 2020.
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 See: Isolation and restriction, page 9; Release from isolation, Confirmed or probable cases with mild illness who did not require hospitalisation, page 10.
18. CDNA National Guidelines for the Prevention, Control and Public Health Management of COVID-19 Outbreaks in Residential Care Facilities in Australia. Canberra: Government of Australia; 2020 Apr 13.
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 See: 5.4.1. Isolation and Cohorting, page 18.
19. Guidelines for home quarantine 2019/2020'. New Delhi: Government of India, Ministry of Health and Welfare. <https://www.mohfw.gov.in/pdf/Guidelinesforhomequarantine.pdf>
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20. Routine practices protocol. Winnipeg: Province of Manitoba; 2020 Mar 18.
<https://sharedhealthmb.ca/files/routine-practices-protocol.pdf> Accessed 2020 Apr 30.
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31. Coronavirus Disease 2019 (COVID-19): Exposure/Outbreak Checklist for Long-Term Care Homes and Retirement Homes. Toronto: City of Toronto; 2020. <https://www.toronto.ca/wp-content/uploads/2020/04/9769-tph-exposure-outbreak-checklist-long-term-care-retirement-COVID-19-April-14-2020.pdf> Accessed 2020 Apr 30. See: Part 2: if there is a confirmed resident or staff case, page 9.

32. Considerations for quarantine of individuals in the context of containment for coronavirus disease (COVID-19). Geneva: World Health Organization; 2020. <https://apps.who.int/iris/rest/bitstreams/1272428/retrieve> Accessed 2020 Apr 30.
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