

CADTH RAPID RESPONSE REPORT: SUMMARY OF ABSTRACTS

Infection Prevention and Control Measures in Mental Health Facilities: Guidelines

Service Line: Rapid Response Service
Version: 1.0
Publication Date: April 17, 2020
Report Length: 7 Pages

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Cite As: Infection Prevention and Control Measures in Mental Health Facilities: Guidelines. Ottawa: CADTH; 2020 Apr. (CADTH rapid response report: summary of abstracts).

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Funding: CADTH receives funding from Canada's federal, provincial, and territorial governments, with the exception of Quebec.

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Research Question

What are the evidence-based guidelines regarding infection prevention or control measures in mental health treatment facilities?

Key Findings

No relevant evidence-based guidelines were identified regarding recommendations for infection prevention or control measures in mental health treatment facilities.

Methods

A limited literature search was conducted by an information specialist on key resources including Medline and PsycINFO via OVID, 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 infection prevention and control methods and mental health care settings or providers. Search filters were applied to limit retrieval to health technology assessments, systematic reviews, meta-analyses, or network meta-analyses, and guidelines. Where possible, retrieval was limited to the human population. The search was also limited to English language documents published between January 1, 2018 and April 16, 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 and health care providers in mental health treatment facilities
Intervention	Infection prevention or control interventions (e.g., personal protective equipment protocols, cleaning and disinfecting spaces, patient isolation)
Comparator	Not applicable
Outcomes	Recommendations regarding infection prevention or control measures
Study Designs	Evidence-based guidelines

Results

Rapid Response reports are organized so that the higher quality evidence is presented first. Normally, health technology assessment reports and systematic reviews are presented first; however, in reports where guidelines are primarily sought, the aforementioned evidence types are presented in the appendix.

No relevant evidence-based guidelines were identified regarding infection prevention or control in mental health treatment facilities

References of potential interest are provided in the appendix.

Overall Summary of Findings

No relevant evidence-based guidelines were found regarding infection prevention or control measures in mental health treatment facilities; therefore no summary can be provided.

References Summarized

Guidelines and Recommendations

No literature identified.

Appendix — Further Information

Guidelines and Recommendations – Alternative Population

1. Best practices for environmental cleaning for prevention and control of infections in all health care settings, 3rd ed. Toronto (ON): Public Health Ontario; 2018 Apr:
<https://www.publichealthontario.ca/-/media/documents/bp-environmental-cleaning.pdf>

Clinical Practice Guidelines – Methodology Not Specified

2. Covid19: Interim Considerations for State Psychiatric Hospitals. Rockville (MD): Substance Abuse and Mental Health Administration; 2020 Mar 18:
<https://www.samhsa.gov/sites/default/files/covid19-interim-considerations-for-state-psychiatric-hospitals.pdf>
3. Best Practices for Prevention, Surveillance and Infection Control Management of Novel Respiratory Infections in All Health Care Settings. Toronto (ON): Provincial Infectious Diseases Advisory Committee (PIDAC); 2020 Feb:
<https://www.publichealthontario.ca/-/media/documents/bp-novel-respiratory-infections.pdf?la=en>
**Mental health facilities mentioned in text*
4. Managing acute disturbance in the context of COVID-19. East Kilbride (GB): National Association of Psychiatric Intensive Care Units; 2020: https://napicu.org.uk/wp-content/uploads/2020/03/COVID-19_guidance_appendix.pdf
See: Primary Interventions, page 3, Secondary Interventions, page 5 to 6; Tertiary Interventions, page 9 to 13
5. Public Health England. COVID-19 personal protective equipment (PPE); 2020 Apr:
<https://www.gov.uk/government/publications/wuhan-novel-coronavirus-infection-prevention-and-control/covid-19-personal-protective-equipment-ppe#summary-of-ppe-recommendations-for-health-and-social-care-workers>
See: Sections 4, 5, and 8.11
6. Royal College of Psychiatrists. COVID-19: Community mental health settings; 2020:
<https://www.rcpsych.ac.uk/about-us/responding-to-covid-19/responding-to-covid-19-guidance-for-clinicians/community-and-inpatient-services/covid-19-working-in-community-mental-health-settings>
See: “Residential care” and “Supported living settings”
7. Guidance for inpatient mental health staff. London (GB): Royal College of Nursing; 2020. <https://www.rcn.org.uk/clinical-topics/mental-health/covid-19-guidance>
8. Routine practices and additional precautions: preventing the transmission of infection in health care. Winnipeg (MB): Manitoba Health, Seniors and Active Living; 2019 Jun:
<https://www.gov.mb.ca/health/publichealth/cdc/docs/ipc/rpap.pdf>

Review Articles

9. Approches et interventions de soutien pour les personnes qui nécessitent des soins psychiatriques et qui ont ou sont à risque d'avoir la Covid-19. Québec (QC) : Institut national d'excellence en santé et en services sociaux (INESSS). 2020 Apr 3 ; https://www.inesss.qc.ca/fileadmin/doc/INESSS/COVID-19/COVID-19_Soutien_soins_psychiatriques.pdf
See: *Résumé sommaire de la littérature, bullet 7, page 7*
10. Xiang YT, et al. The COVID-19 outbreak and psychiatric hospitals in China: managing challenges through mental health service reform. *Int J Biol Sci.* 2020;16(10):1741–1744. <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7098035/>

Additional References

11. Coronavirus (COVID-19) guidance for mental health care providers. Indianapolis (IN): Indiana Family and Social Services Administration; [2020]: <https://www.in.gov/fssa/dmha/3493.htm>
12. Additional considerations, in addition to standard infection prevention and control precautions, where there is sustained transmission of COVID-19. London (GB): Public Health England; 2020 Apr 09. https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/879111/T4_poster_Recommended_PPE_additional_considerations_of_COVID-19.pdf
13. Recommended PPE for healthcare workers by secondary care inpatient clinical setting, NHS and independent sector. London (GB): Public Health England; 2020 Apr 09. https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/879107/T1_poster_Recommended_PPE_for_healthcare_workers_by_secondary_care_clinical_context.pdf
14. Recommended PPE for primary, outpatient, community and social care by setting, NHS and independent sector. London (GB): Public Health England; 2020 Apr 08. https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/878750/T2_poster_Recommended_PPE_for_primary_outpatient_community_and_social_care_by_setting.pdf
15. Taking Care of Patients During the Coronavirus Outbreak: A Guide for Psychiatrists. Bethesda (MD): Center for the Study of Traumatic Stress; [2020 Mar 3] : https://www.cstsonline.org/assets/media/documents/CSTS_FS_Taking_Care_of_Patients_During_Coronavirus_Outbreak_A_Guide_for_Psychiatrists_03_03_2020.pdf
16. Centre for Addiction and Mental Health (CAMH). COVID-19 updates; 2020: <https://www.camh.ca/en/camh-news-and-stories/novel-coronavirus-update>

Preliminary Reports — Not Peer-Reviewed

Preprints are reports that have not been formally published or peer-reviewed. They should not be relied on to guide clinical practice or health-related behavior.

17. Poremski D, et al. Effective infection prevention and control strategies in a large accredited psychiatric facility in Singapore **[non peer-reviewed preprint]**; 2020 Apr 07. <https://psyarxiv.com/89uc5/>
See: Table 1