Dealing with coronavirus disease 2019 (COVID-19) outbreaks in long-term care homes: A protocol for room moving and cohorting

Dylan C. Kain MD1, Liz J. McCreight BSc2 and Jennie Johnstone MD, PhD2,3,4

1Department of Medicine, University of Toronto, Toronto, Canada, 2Infection Prevention and Control, Sinai Health, Toronto, Canada, 3Department of Laboratory Medicine and Pathobiology, University of Toronto, Toronto, Canada and 4Dalla Lana School of Public Health, University of Toronto, Toronto, Canada

To the Editor—As coronavirus disease 2019 (COVID-19) has swiftly moved across the world, it has had an especially large impact in long-term care homes, with many countries reporting >50% of COVID-19 related deaths due to outbreaks in long-term care home.1 Outbreaks in these homes can rapidly spread with high mortality,2 and homes with multiple residents per room have been forced to move residents within the home to slow and prevent further spread. Such movements may contribute to the larger impact of COVID-19 in homes with increased multiple-bed rooms.3 In most long-term care homes, moving people from their room within the home for the purpose of infection control was a completely novel concept. Consequently, those responsible for these room movements often did not have experience with this type of movement. To our knowledge, no existing guidance on principles of room movement is available for long-term care homes for the purposes of infection control.4

When our infection control team was partnered with several long-term care homes across the Toronto area, we identified this knowledge gap and worked to create a guidance with the goal of providing a tool to help homes with multiple-bed rooms work through logical moves to reduce the risk of COVID-19 transmission (Table 1). Priority of resident moves and cohorting are a key consideration because homes often have limited space. In an outbreak, cleaning staff may not be able to clean rooms at the pace needed to make all room moves simultaneously. Having a better understanding of principles of room movement during a COVID-19 outbreak setting may help minimize the size and scale of the outbreaks in the first wave.

As we prepare for a second wave of disease in many countries, having clear guidance for homes on ways to safely move residents is critical to preventing such large-scale outbreaks. We hope this guidance will serve as a template for long-term care homes moving forward.

© The Author(s), [year]. Published by Cambridge University Press on behalf of The Society for Healthcare Epidemiology of America. This is an Open Access article, distributed under the terms of the Creative Commons Attribution licence (http://creativecommons.org/licenses/by/4.0/), which permits unrestricted re-use, distribution, and reproduction in any medium, provided the original work is properly cited.
To the Editor—Since the early phases of the coronavirus disease 2019 (COVID-19) epidemic across the United States, identifying and tracking healthcare worker (HCW)-to-HCW transmission has been a major priority given the risk of exposing other colleagues, exposing vulnerable patients, and issues of limited staffing. Policy guidance regarding symptomatic screening for exclusion from work to mitigate transmission has not evolved much over the course of the pandemic to date.

From March 20 through April 10, 2020, a total of 2,193 severe acute respiratory coronavirus virus 2 (SARS-CoV-2) tests were ordered for HCWs in our institution, and 174 HCWs in our health system.

Infection Control & Hospital Epidemiology

Table 1. Principals of Room Movements in Long-Term Care Homes During the COVID-19 Pandemic

<table>
<thead>
<tr>
<th>Steps After Identifying a Symptomatic Resident</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Immediately move the symptomatic resident to a private room on precautions for COVID-19, and place the remaining residents that have been exposed on precautions for COVID-19. If possible move each exposed resident to their own private room; if not feasible, keep the exposed residents within the room, and maintain precautions at the bedside.</td>
</tr>
<tr>
<td>2. At a minimum test the symptomatic resident as well as the exposed roommates for COVID-19.</td>
</tr>
<tr>
<td>3. In the event any of the test results are positive for COVID-19, all exposed residents must be on appropriate precautions for 14 days from their last exposure to the positive resident. Ideally residents exposed to a positive resident will be moved to a private room, regardless of their RT-PCR results.</td>
</tr>
<tr>
<td>4. A diagnosis of COVID-19 in a resident of a home, should prompt consideration of a COVID-19 outbreak. Further testing and suspected outbreak measures should be implemented at the direction of public health authorities.</td>
</tr>
<tr>
<td>5. If at all possible, residents should not be moved from a floor with COVID-19 cases to a floor without COVID-19 cases (regardless of the individuals COVID-19 swab status).</td>
</tr>
</tbody>
</table>

4In Canada, COVID-19 precautions include droplet and contact precautions, but local guidance should be followed.
5High-risk exposure defined as sustained (>15 min), unmasked contact with a confirmed or suspected COVID-19 case during the 2 d prior to symptom onset until day 8 after symptom onset.

Frequency of coronavirus disease 2019 (COVID-19) symptoms in healthcare workers in a large health system

Jason H. Malenfant MD, MPH1, Caitlin N. Newhouse MD2 and Alice A. Kuo MD, PhD, MBA3

1Public Health & Preventive Medicine Program, David Geffen School of Medicine, University of California, Los Angeles (UCLA), Los Angeles, California,
2Division of Pediatric Infectious Diseases, David Geffen School of Medicine, University of California, Los Angeles (UCLA), Los Angeles, California and 3Division of Medicine-Pediatrics, David Geffen School of Medicine, University of California, Los Angeles (UCLA), Los Angeles, California

To the Editor—Since the early phases of the coronavirus disease 2019 (COVID-19) epidemic across the United States, identifying and tracking healthcare worker (HCW)-to-HCW transmission has been a major priority given the risk of exposing other colleagues, exposing vulnerable patients, and issues of limited staffing. Policy guidance regarding symptomatic screening for exclusion from work to mitigate transmission has not evolved much over the course of the pandemic to date.

From March 20 through April 10, 2020, a total of 2,193 severe acute respiratory coronavirus virus 2 (SARS-CoV-2) tests were ordered for HCWs in our institution, and 174 HCWs in our health

Acknowledgments.

Financial support. No financial support was provided relevant to this article.

Conflicts of interest. All authors report no conflicts of interest relevant to this article.

References