

## Webinar Recap for March 14<sup>th</sup>, 2022

LTC+: Acting on Pandemic Learning Together

### TOPIC

Canadian Institute for Health Information's (CIHI) Data and Information in LTC

### KEY AREA(S)

People in the Workforce; Pandemic Response and Surge Capacity

### SPEAKER(S)

- **Philippe Poitras** – Manager of Specialized Care Data Management, Canadian Institute for Health Information (CIHI)
- **Mary Boutette** – Chief Operating Officer, Perley Health

### OBJECTIVES

- To share CIHI's mandate, as well as their LTC data, information, and reporting measures during COVID-19 and beyond.

### SUMMARY

- CIHI was established in 1994 and is an independent, not-for-profit organization providing essential information on Canada's health systems. CIHI works closely with federal, provincial, and territorial partners and stakeholders throughout Canada to gather, package and disseminate information to inform policy, management, care, and research leading to better and more equitable health outcomes for all Canadians.
- CIHI hosts extensive, linkable, pan-Canadian data across the health care continuum, including information on types of care, patient-reported data, health spending and the health workforce.
- CIHI's clinical and administrative LTC data is based on one of two standardized assessments – RAI-MDS captured in the Continuing Care Reporting System (CCRS) and interRAI LTCF captured in the Integrated InterRAI Reporting System (IRRS). At present, CCRS/IRRS data is captured in all provinces except Quebec, Nunavut, and Prince Edward Island, and is being implemented in Nova Scotia and the Northwest Territories.
- InterRAI LTCF assessments contain ~300 items and are completed on a quarterly basis. These offer a broad view of an individual at a given point in time, regarding:

- Physical function: activities of daily living, balance, vision, and communication
  - Cognition and mental health: cognitive function, mood, and behaviour
  - Quality of life: activities, relationships, and participation
  - Clinical management: health conditions, infections, nutrition, skin, falls, and pain
  - Services and access: medications, procedures, therapies, resources, and wait times
- CCRS/IRRS data can be used at the individual level, LTC-facility level or for more aggregated comparison across jurisdictions. For example, the data is used to inform clinical assessment protocols to help identify resident care focus and planning; outcome scales inform the level of severity of an issue related to care planning; risk-adjusted quality indicators, can be used to compare facilities across jurisdictions and non-adjusted quality indicators can be used to track progress within a facility over time; and case mix systems / resource utilization groups are used to understand resource intensity of a group of residents.
  - CIHI collects key health human resource data on an annual basis from national, provincial, and territorial bodies, in relation to supply, distribution, migration, education and employment. This said, the pandemic has magnified gaps in health human resources data in LTC as related to the timeliness of the data collected, geographic distribution at the facility-level, capacity needs for planning (i.e., hours worked, sick leave, overtime), key professions (i.e., personal support workers), and understanding models of care or scopes of practice
  - CIHI has publicly accessible open data for LTC across jurisdictions (i.e., quick stats, analytical publications, interactive analytical tools). One such tool, Your Health System, visualizes nine home-level LTC quality indicators, including: falls in the last 30 days; restraint use; experiencing pain; experiencing worsened pain; improved physical function; worsened physical function; worsened depressive mood; potentially inappropriate use of antipsychotics; and worsened pressure ulcer.
  - Perley Health, a large LTC facility in Ottawa, has leveraged CIHI's data since 2014 to inform their quality improvement initiatives. CIHI's data is used to inform their priority areas for quality improvement initiatives, as well as to continuously monitor and evaluate whether changes to practice have led to better resident outcomes.
  - COVID-19 resources include data collection and coding direction, data and information, impact of COVID-19 on Canada's health care systems, external data resources. They also have a new interactive COVID-19 intervention timeline

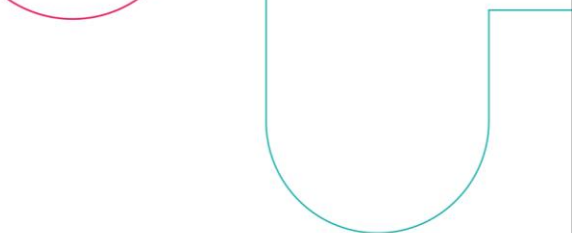
- Through COVID-19, data has shown that LTC residents were disproportionately impacted by deaths; during the first three waves, LTC residents only represented 3% of COVID-19 cases, yet 43% of deaths. CCRS data has further shown excess mortality among LTC residents for all causes of death through the first and second waves of COVID-19, and fewer than expected deaths subsequently, likely attributable to vaccination, COVID-19 deaths of the most frail and vulnerable residents early in the pandemic, public health measures that prevented deaths related to seasonal respiratory viruses such as influenza, and the admission of fewer people to LTC homes.
- Risk factors for greater severity of LTC COVID-19 outbreaks included reduced presence of a medical director (< one day per week), shortage of PSWs, and usage of agency PSW staff.
- Moving forward, CIHI's priorities for LTC data and information include:
  - Increasing coverage by supporting jurisdictions to implement interRAI LTCF data collection and submission to IRRS. Where interRAI data collection is not available, collect aggregate data through other sources to provide a pan-Canadian picture for key metrics (e.g. number of facilities or beds)
  - Improving timeliness by supporting transition to IRRS which offers near real-time data submission
  - Closing the gap in health human resources data by expanding coverage (e.g. pilot personal support worker data capture), capturing location, payroll and scope of practice information, and integrating health workforce data with clinical data to analyze the impact of models of care on resident outcomes

## RESOURCES SHARED

- [Reimagining Care for Older Adults Report](#)
- [CIHI Health Workforce Database](#)
- [CIHI Long Term Care Data](#)
- [CIHI Your Health System](#)
- [Factors Associated with COVID-19 Outbreaks, Transmission, and Poor Outcomes in Ontario's LTC Homes](#)

## WEBINAR RECORDING

- [Watch the full webinar here!](#)



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