SYNOPSIS
04/12/2020


One-Minute Summary

- **Hospitalization rate** among the COVID-19 patients identified through COVID-19-Associated Hospitalization Surveillance Network (COVID-NET) was 4.6 per 100,000 population.
- Of the 1,482 hospitalized COVID-19 patients in COVID-NET, 54% were male and 46% female, with hospitalization rate higher in males than among females (5.1 vs 4.1 per 100,000).
- **Hospitalization rates increased with age** of the 1,482 hospitalized COVID-19 patients:
  - 0-4 years: 6 (0.4%), hospitalization rate 0.3 per 100,000.
  - 5-17 years: 6 (0.4%), hospitalization rate 0.1 per 100,000.
  - 18-49 years: 366 (25%), hospitalization rate 2.5 per 100,000.
  - 50-64 years: 461 (31%), hospitalization rate 7.4 per 100,000.
  - ≥65 years: 643 (43%), hospitalization rate 13.8 per 100,000 (17.2 per 100,000 ≥85 years).
- Among 580 hospitalized COVID-19 patients with **race/ethnicity** data, 261 (45%) were white, 192 were (33%) black, 47 (8%) were Hispanic, 32 (6%) were Asian, 2 (0.3%) were American Indian/Alaskan Native, and 46 (8%) were of unknown race.
- Among 178 (12%) adult hospitalized COVID-19 patients with data on **underlying medical conditions**, 89% had ≥1 conditions. The **most common conditions** were:
  - Hypertension (50%), obesity (48%), chronic lung disease (35%), diabetes (28%), cardiovascular disease (28%).
- Among 167 hospitalized COVID-19 patients with symptom data, the median interval from symptom onset to admission was 7 days (IQR = 3-9 days). **Most common signs and symptoms at admission**:
  - Cough (86%), fever or chills (85%), shortness of breath (80%), myalgia (34%), diarrhea (27%), nausea/vomiting (24%).
Main finding: Older adults have elevated rates of COVID-19-associated hospitalization and the majority of persons hospitalized have underlying medical conditions.

Additional Information

- Results suggest men and black populations might be disproportionately affected by COVID-19-associated hospitalizations, but additional surveillance data is required to better understand the evolving epidemiology of COVID-19 in the US.
- This report uses data from the COVID-19-Associated Hospitalization Surveillance Network (COVID-NET) which conducts population-based surveillance for laboratory-confirmed COVID-19-associated hospitalizations among persons of all ages in 99 counties in 14 US states. The catchment area represents approximately 10% of US population.
- These data are preliminary and may change as additional cases are identified.

PHO Reviewer’s Comments

None.

Citation


Disclaimer

This document was developed by Public Health Ontario (PHO). PHO provides scientific and technical advice to Ontario’s government, public health organizations and health care providers. PHO’s work is guided by the current best available evidence at the time of publication.

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