

In the corner with...



Dr. Lynora Saxinger
Co-Chair
Scientific Advisory Group
Alberta Health Services

Predictive risk tests for clinical deterioration

1

albertahealthservices.ca — Private

Scientific Advisory Group COVID-19 Recommendations

novel coronavirus (COVID-19)

AHS' Scientific Advisory Group is connecting with clinicians, operational leaders, researchers and other experts to review emerging evidence and guidance of national and international bodies to provide information for focused areas of healthcare in relation to COVID-19. These resources are created to provide research informed advice to AHS physicians, staff, patients and families. Reports are updated frequently based on emerging evidence or concerns.

COVID-19 Resources for AHS Staff & Health Professionals

2

COVID-19 Scientific Advisory Group Rapid Response Report

Key Research Question:

For patients with suspected/confirmed COVID-19 in the community, are there predictive risk tools or tests (e.g., Roth test; oxygen saturation where possible) that can assist in deciding who is at risk of clinical deterioration and should be assessed in the emergency department?



3

Key Messages from the Evidence Summary

- COVID-19 patients present with a multitude of symptoms and assessing clinical deterioration in mild to moderate disease can be challenging in a primary care
 - Increasing dyspnea most common indicator of decompensation (not sensitive or specific)
 - Consider in person assessment, outreach or ED visit to measure O2 sats and vitals
- Use repeated clinical assessment (virtual or in person)
 - Structured questions and review of critical information in EMR (history, problem lists)
 - Clearly document symptoms, allowing an assessment of change over time
- Roth Score is not validated amongst COVID-19 patients
 - Mixed evidence whether it should be used for virtual assessment in primary care
 - Can be one component within a broader clinical evaluation (no validated tools predict hypoxia)
 - Consideration of trajectory of symptoms, patient characteristics (age and comorbidity)

4

Alberta Health Services

COVID-19 info for Albertans & Health Professionals and about Visiting Patients.
Do you have COVID-19 Symptoms? The Self-Assessment is a quick way to ensure you get the testing you may need.

COVID-19 Self-Assessment:
Testing Criteria Expanded

novel coronavirus (COVID-19)
Info for Albertans & health professionals

www.albertahealthservices.ca

COVID-19 Self-Assessment >

Info for Albertans >

Info for Health Professionals >

Clinical Guidance from Leaders

- [Key Research Question: What is the Evidence For & Risks of Using Hydroxychloroquine \(HQ\) as a Treatment & Prophylaxis for SARS-CoV-2?](#)
- [Response to Media Reports about COVID-19 Virus Being Airborne](#)

Signage & Posters

- [View Full List](#)

Resources

- [COVID-19 FAQs for AHS Staff](#)
- [COVID-19 Guidance Volunteer Resources](#)
- [COVID-19 Public Information](#)
- [COVID-19 Orders & Legislation](#)
- [COVID-19 Research Opportunities -bethecure.ca](#)
- [Healthcare Worker Self-Assessment Tool](#)
 - [Guidance While Waiting for a Return Call](#)
- [Information for Researchers](#)
- [IPC Emerging Issues](#)
- [Scientific Advisory Group Rapid Reviews](#)
- [Testing & Self-Isolation Criteria](#)
- [Triage Screening Criteria](#)

5

For more information visit

- <https://www.albertahealthservices.ca/assets/info/ppih/if-ppih-covid-19-sag-risk-prediction-tools-info-brief.pdf>
- <https://www.albertahealthservices.ca/assets/info/ppih/if-ppih-covid-19-sag-risk-prediction-tools-rapid-review.pdf>
- <https://www.bmj.com/content/368/bmj.m1182/infographic>

6