

Join CEDRN: Canada's Emergency Department Research Network

THE CHALLENGE

Emergency departments (EDs) across Canada are facing unprecedented pressures—from persistent overcrowding and staff shortages to a rising number of patients with complex needs. These issues not only threaten the quality of care and patient safety, but they also highlight a critical gap: the lack of a coordinated, systematic way to learn from and respond to these challenges.

When a heatwave hits or a new viral strain emerges, EDs must adapt quickly, yet they remain hampered by a fragmented system where each site operates in isolation. This makes it difficult to share knowledge, implement best practices, and identify effective solutions in real time - leaving the health system too slow to respond when it matters most.

THE SOLUTION

The Canadian Emergency Department Research Network (CEDRN) is a national collaborative network with over 70 EDs, an active patient partner committee, and Indigenous advisory committee committed to solving real-world problems through research, data sharing, and implementation of evidence-based solutions.

With a pre-existing data governance framework and an executed Membership and Data Sharing agreement, CEDRN is ready to address the challenges Canadian EDs are facing.

WHY JOIN CEDRN?

- **Proven Track Record in Research and Funding**
CEDRN already secured over \$6 million in grant funding from national and international partners, including the CIHR, since its inception in 2024. CEDRN's funded research focuses on developing clinical decision rules for conditions like low-risk chest pain, addressing opioid use disorder, and ensuring pandemic and health emergency preparedness. **By collaborating with us, you can contribute to this impactful work and gain early access to our research output.**
- **A Complete Research Infrastructure Ready to Launch**
We have extensive, secure data from patient arrival to discharge, including clinical outcomes. Our established data platform, contracts, governance, and ethics and privacy approvals, along with our Patient and Indigenous Advisory Committees, are ready to go. Our open science approach to collaboration and shared infrastructure enables investigators to launch studies efficiently. By joining our network, you will increase your organization's capacity for collaborative research, gain access to our secure and linkable data holdings, and contribute to a unified approach to emergency medicine research. We welcome your participation.
- **National Representation**
With over 70 rural and urban EDs nationwide, you can ensure your patient population and local context are reflected in national-level data and research. Leading to more relevant, actionable evidence to advance emergency care in your community.

- **Evidence-Based Improvements**
Monitor your ED's or province's progress in implementing actionable research-driven recommendations and influence decision-making by leveraging CEDRN data for quality improvement. Current data holdings relate to the toxic drug crisis, chest pain management, and pandemic preparedness. Data on other topics will be added as CEDRN grows.
- **Academic and Professional Growth**
Join a national community of practice. Collaborate, publish, and elevate your ED's academic profile with CEDRN. Be supported in your academic journey through mentorship. Being part of a national research network provides opportunities to collaborate, broaden your personal research network, support professional development, and increase your chance of success.
- **A Learning Health System**
Be part of a dynamic, data-informed network that continuously learns and evolves to improve the science of emergency medicine and emergency care across Canada.

CEDRN'S ASK:

- Join CEDRN as a site investigator, regional or provincial lead
- Facilitate partnership with your organization to contribute your organization's data

Your expertise is key to helping us turn real-world challenges into evidence-based solutions that will benefit patients, clinicians, and our healthcare system.

Note: CEDRN will have the authority to tailor agreements by site, organization, health authority, or jurisdiction.