

## Success Nimbleness AGMPs & High Risk Procedures Providing Care to COVID patients wasn't as large as expected Staff Showed Alternate PPE, Reusable PPE Integration: At the Tables Decision making ? Relationships

# Canadian Paramedicine's Response to COVID-19

Interim Findings & Descriptive Analysis



#### Where We are Heading:

- Setting the stage: Paramedicine as a complex system
- CPRC
- Descriptive findings
- Emerging models
- Where to next?

The Paramedics Connecting Through Applied Research (Paramedics CARe) online conference aims to mobilize knowledge on the latest research in Canadian paramedicine and foster intersectoral and transdisciplinary collaboration between academic researchers, educators, provincial and municipal governments, private small and medium enterprises (SMEs) that support paramedic practice, and the public through patient advocacy groups.

Defining, Describing, & Understanding Paramedic Practice in Canada







Canadian
Paramedic
Information
System

The Tonka Dilemma









**Your Stories** 

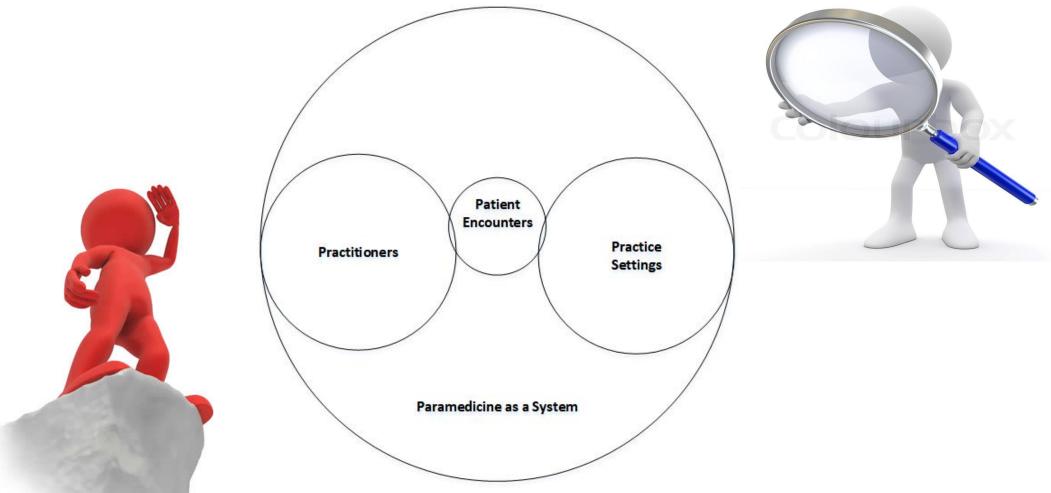
Data Needs

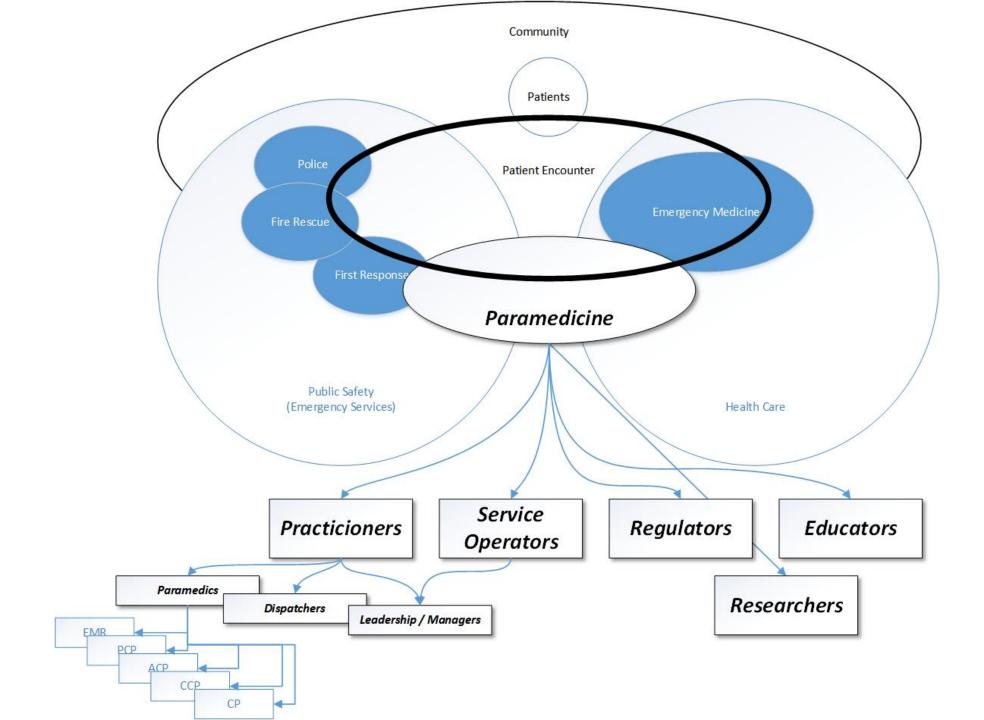
Characteristics Functions Elements

Information System

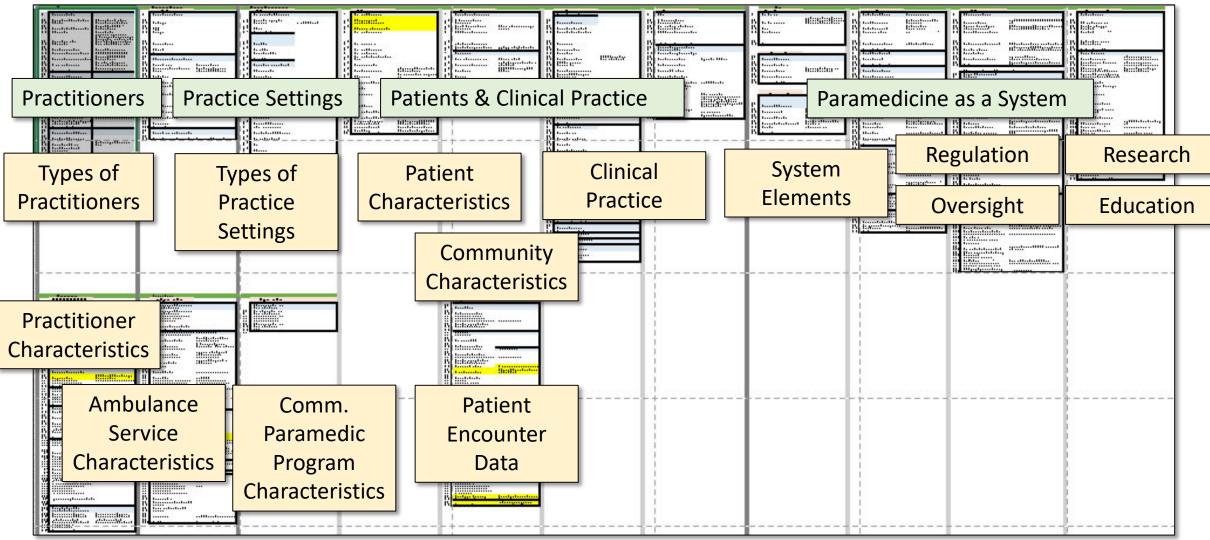
Describing Paramedicine

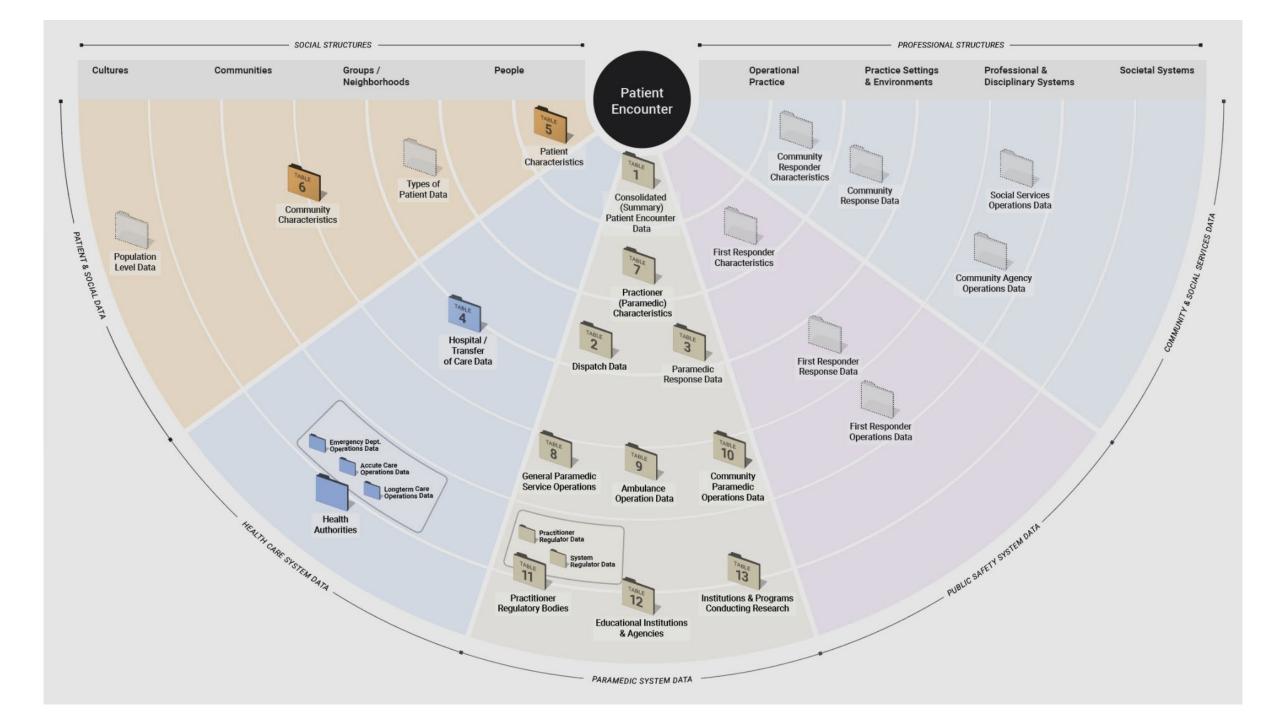
### What do you REALLY want to know about....

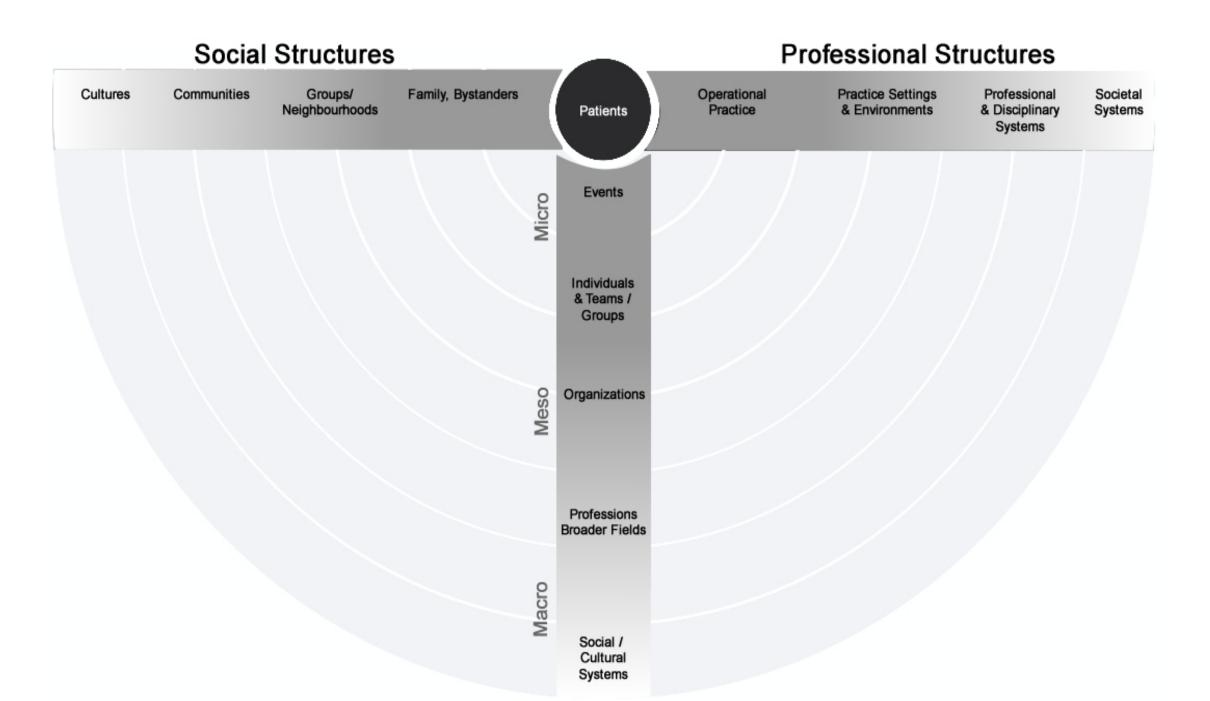


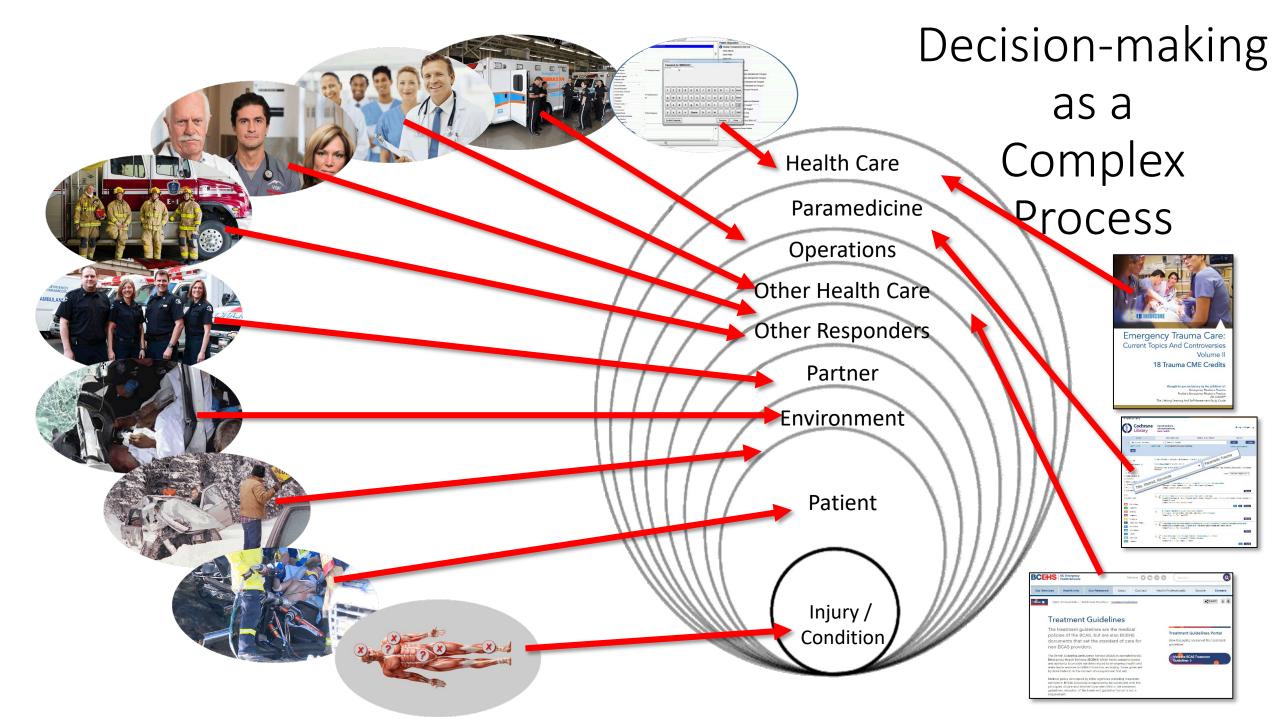


#### The Map

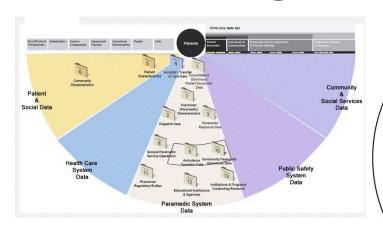


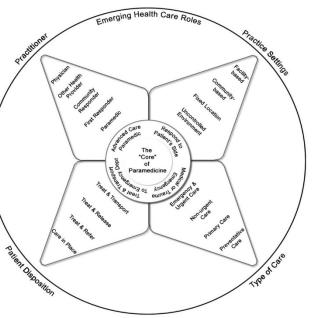






#### Defining Paramedic Practice

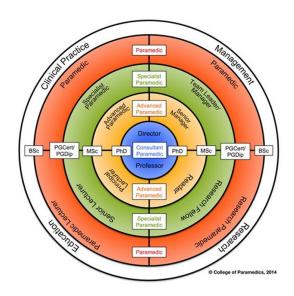






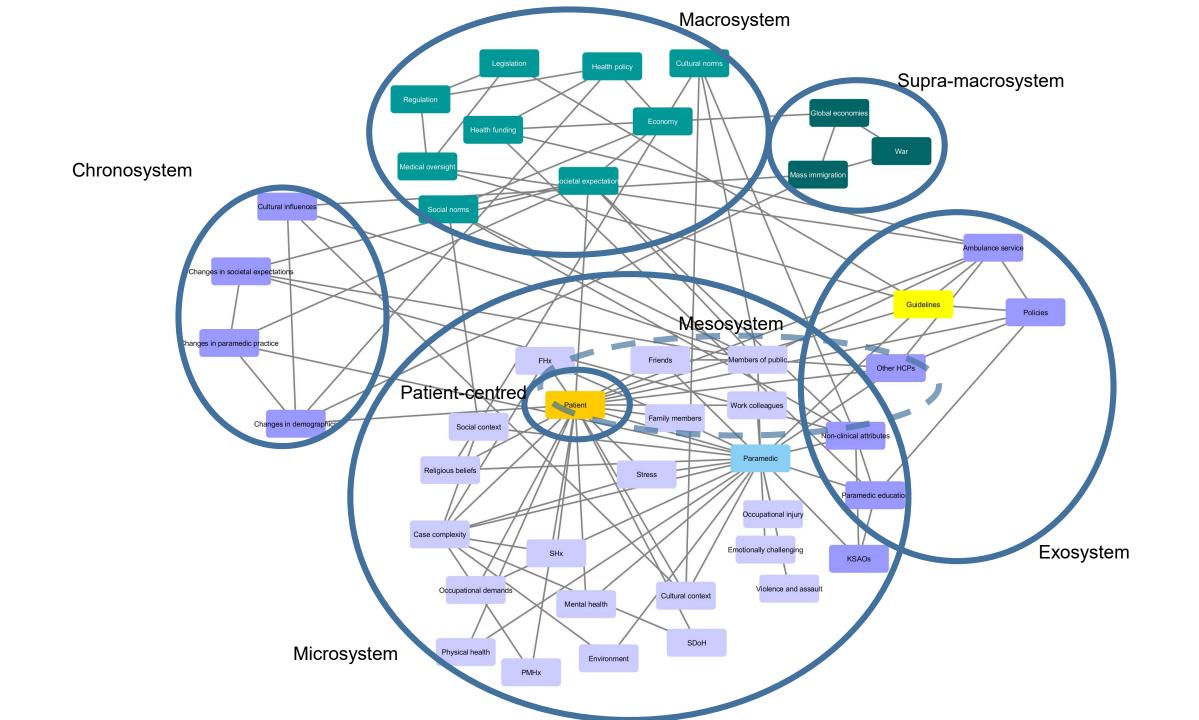






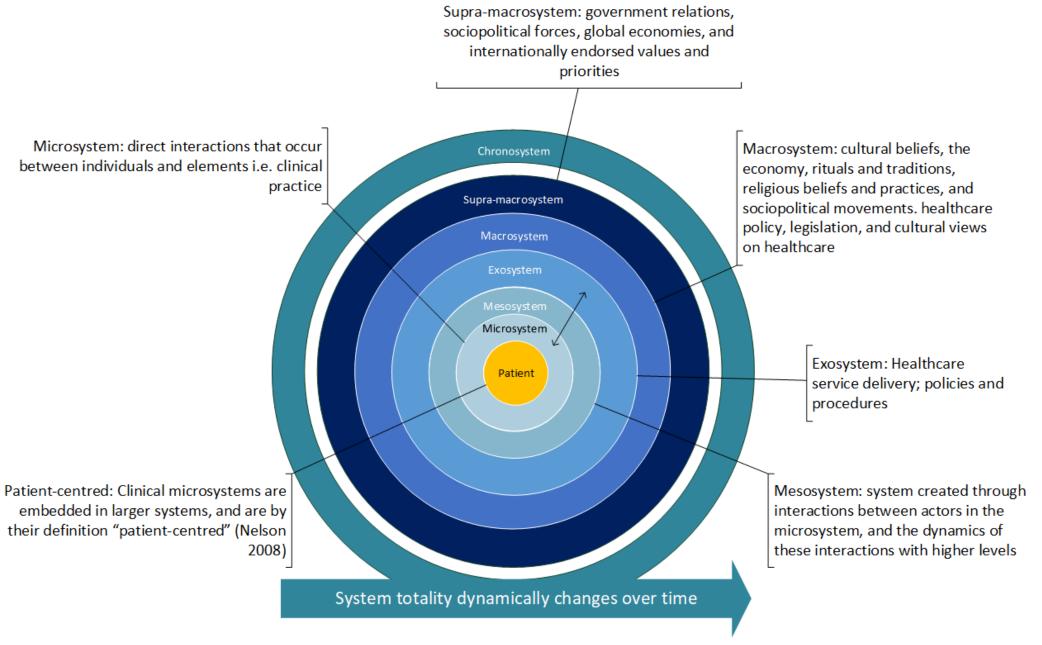






#### Lenses on Paramedicine

Applied Professional	Interdisciplinary Studies	Arts	Sciences	Health Disciplines	Education	Research	Health Studies
<ul> <li>Leadership</li> <li>Municipal         Management</li> <li>Health         Management</li> <li>Occupational         Health &amp; Safety</li> </ul>	• Interdisciplinary Studies	<ul> <li>Sociology</li> <li>Psychology</li> <li>Women's Studies</li> <li>Philosophy</li> <li>Communications</li> <li>Contemporary Studies</li> </ul>	<ul> <li>Political Science</li> <li>Sciences</li> <li>Chemistry</li> <li>Biological Science</li> <li>Biomedical Toxicology</li> <li>Neuroscience</li> <li>Physiology</li> <li>Kinesiology</li> <li>Geography</li> </ul>	<ul> <li>Health         Sciences</li> <li>Medicine</li> <li>Nursing</li> <li>Paramedicine</li> <li>Paramedicine         Critical Care</li> </ul>	<ul> <li>Education</li> <li>Curriculum</li> <li>Educational         <ul> <li>Policy Studies</li> </ul> </li> <li>Adult Education</li> <li>Continuing             <ul> <li>Education</li> </ul> </li> <li>Learning &amp;                       <ul> <li>Technology</li> </ul> </li> <li>Health Science                       <ul></ul></li></ul>	<ul> <li>Health Research</li> <li>Applied         Modeling/         Quant Methods</li> <li>Clinical         Epidemiology</li> </ul>	<ul> <li>Health Quality/QA</li> <li>Health, Aging &amp; Society</li> <li>Population &amp; Public Health</li> <li>Public Health</li> <li>Health Policy</li> <li>Community Health</li> </ul>



**Batt, A.M.**, Williams, B., Brydges, M., Leyenaar, M., Tavares, W. New ways of seeing: the role of systems thinking when developing competency frameworks in health professions education. *Advances in Health Sciences Education*.

#### CHANGING COMMUNITY NEEDS

NATIONAL STANDARDS FOR COMMUNITY PARAMEDICINE

DISRUPTING THE PARAMEDIC WORK ENVIRONMENT WITH GENDER BASED ANALYSIS

POST-TRAUMATIC STRESS INJURY AND PARAMEDICINE



PREVENTION OF
MUSCULOSKELETAL DISORDERS
(MSDS) AMONG PARAMEDICS

COVID-19 AND PARAMEDIC PRACTICE

THE FUTURE OF PARAMEDICINE:
A CANADIAN VISION

TECHNOLOGY AND INNOVATION
TO SUPPORT CARE-IN-PLACE IN
CANADA

Paramedics CARe brings together leading experts to discuss paramedicine from their respective disciplines and perspectives, share current trends in research, initiate a conversation on how these initiatives will impact the lives of Canadians, and explore ways to mobilize research knowledge more effectively for an intersectoral and transdisciplinary audience.

PREDICTIVE MODELLING IN PARAMEDICINE

COMPLEXITY IN PARAMEDIC PRACTICE AROUND THE WORLD

#### Stirred, not Shaken Canadian Paramedicine's Response to COVID-19



Research Team					
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Jennie Helmer	BCEHS				
Ian Blanchard	AHS EMS				
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Dr. Luc de Montigny	Urgences-santé, McGill University				
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Cheryl Cameron	CVH, HEC, McNally Project, JIBC*				
Johanne Joseph	Urgences-santé, JIBC*				





















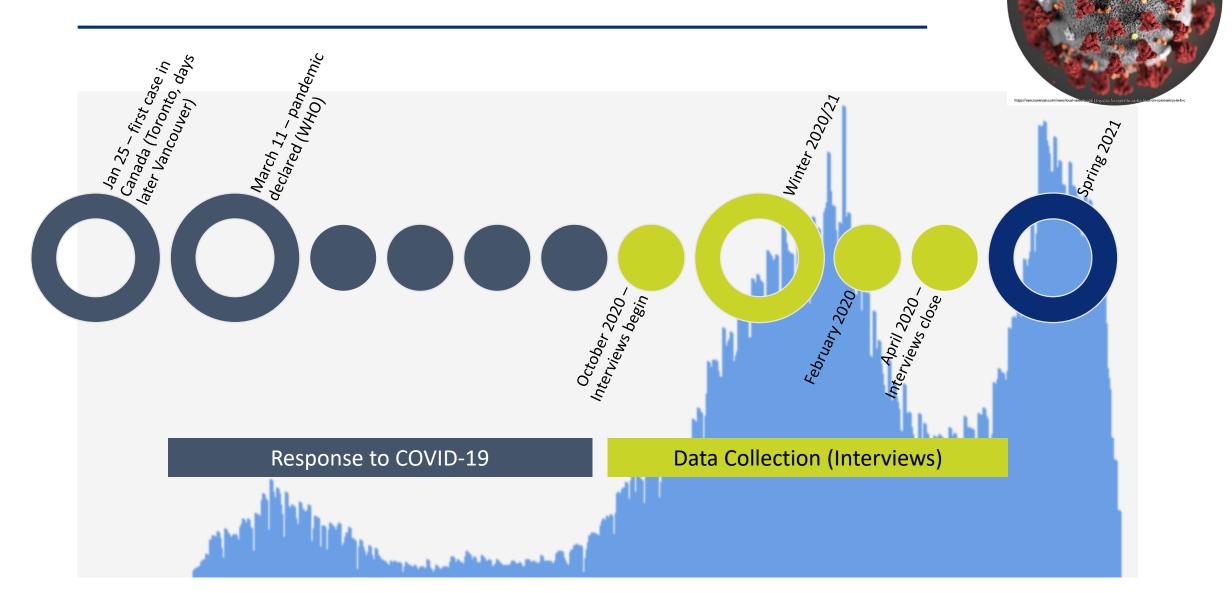




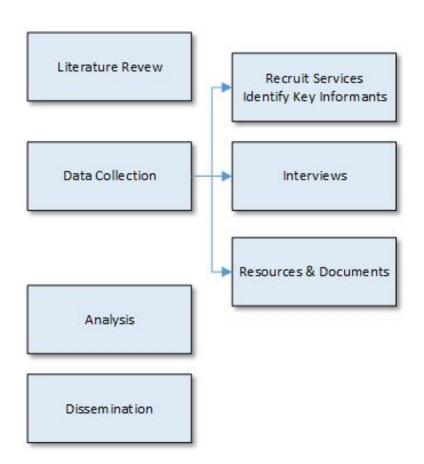
This project is funded through the National Sciences and Engineering Council's College and Community Innovation Program's special Tri-Agency Applied Research Rapid Response to COVID-19



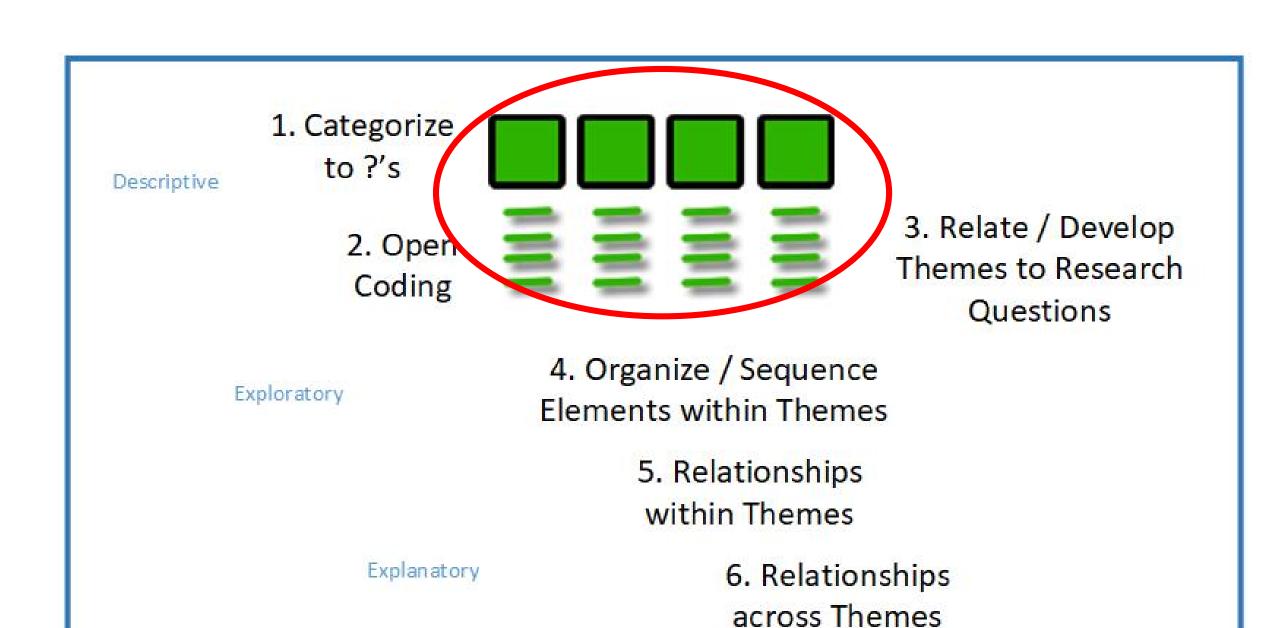
#### Context: Pandemic



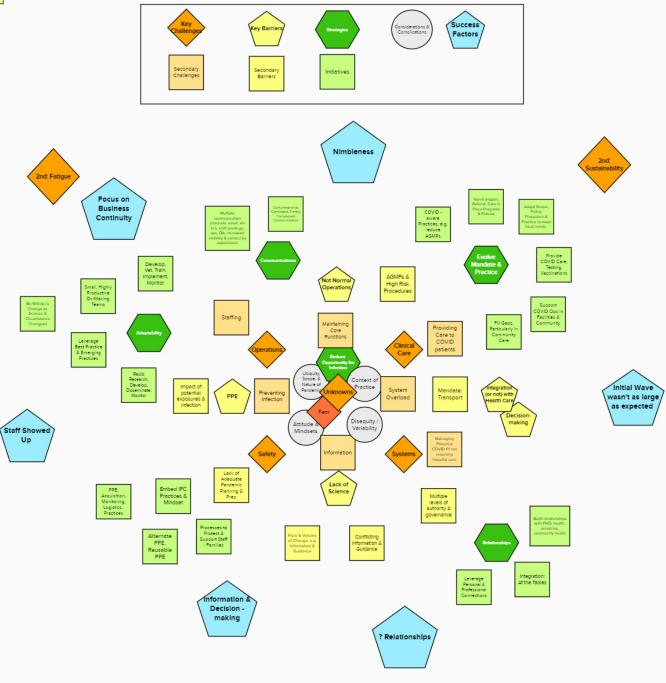
#### Challenges, Innovations, Barriers, Strategies



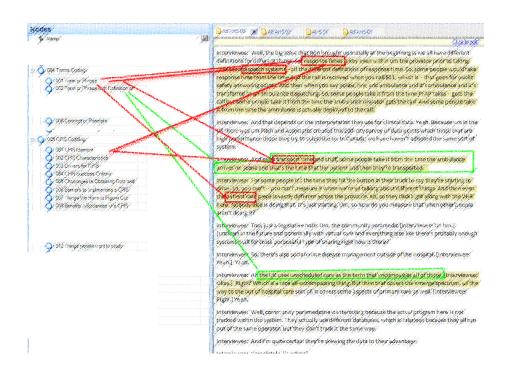
- Identify challenges and innovations in operations, practice, and decision-making related to the management of the COVID-19 pandemic
- Identify barriers to and considerations for innovation, particularly in relation to operational guidelines, operational and clinical governance, policy, procedure, education, and regulation
- Identify strategies and resources employed to mitigate barriers and address considerations



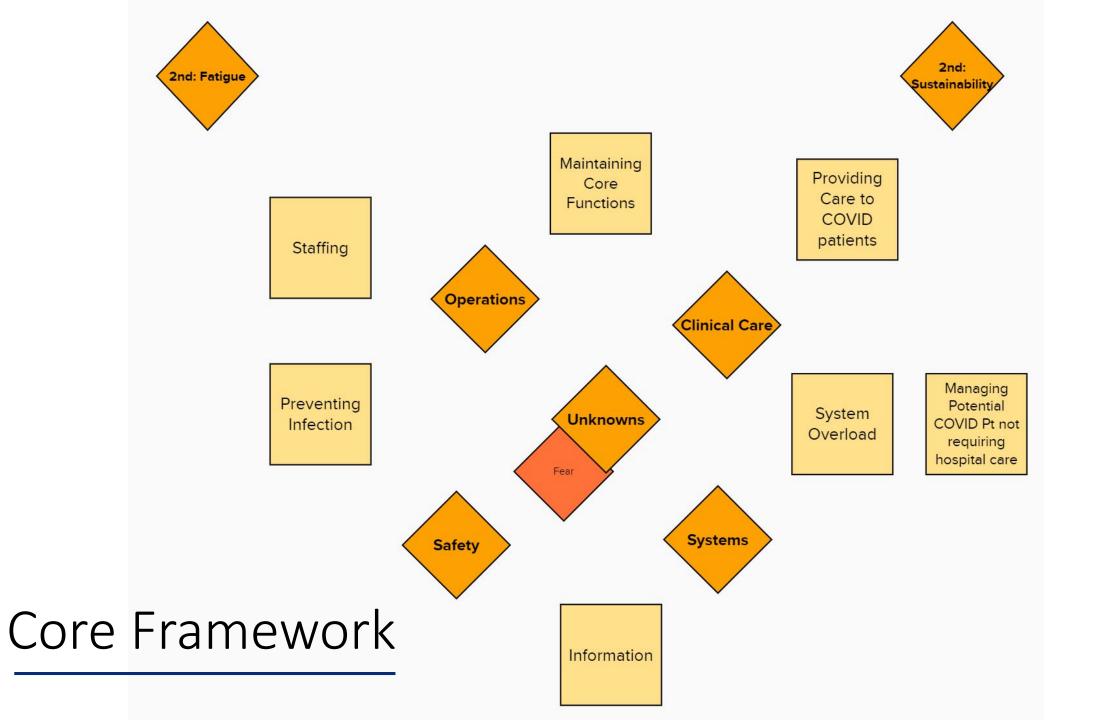




#### Descriptive analysis



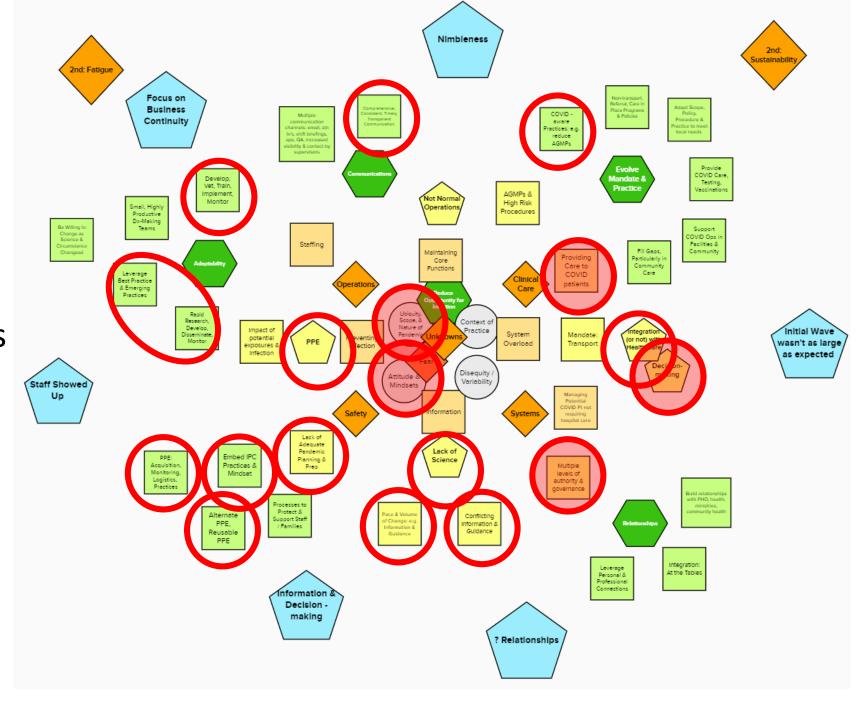






# Key Early Findings

- Complexity
- Interconnectedness
- Not discreet





#### Next Steps: Exploratory Analysis

#### Considerations

