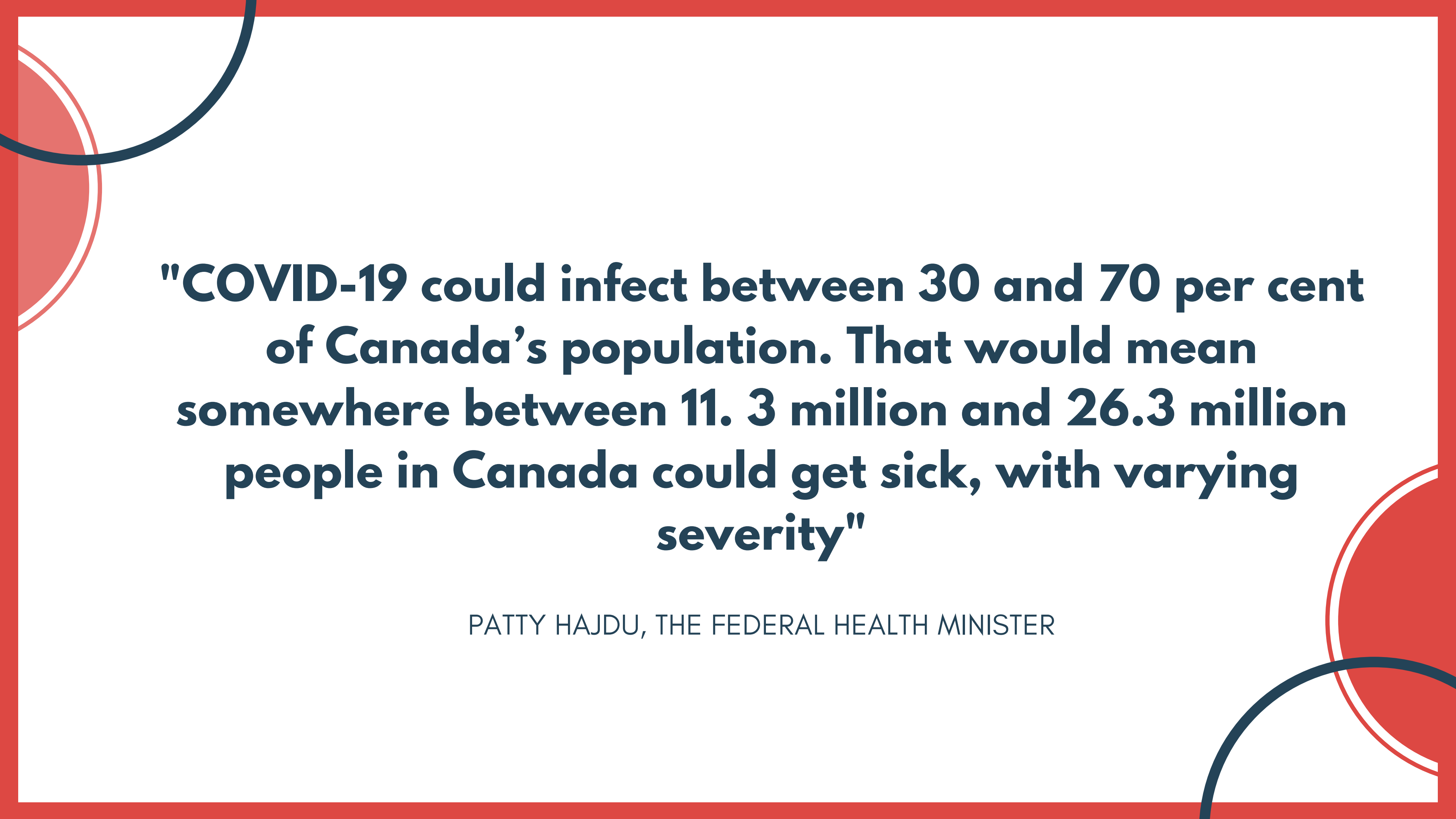# Naiad Lab Inc.

MedROAD
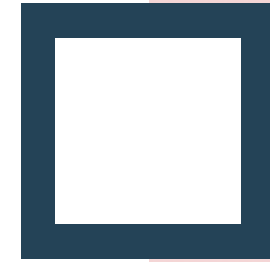
Next Generation of E-Health and Telehealth Solutions

"COVID-19 could infect between 30 and 70 per cent of Canada's population. That would mean somewhere between 11. 3 million and 26.3 million people in Canada could get sick, with varying severity"
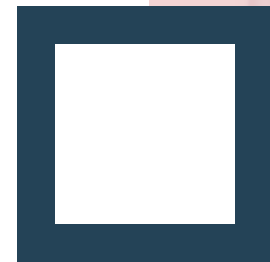
PATTY HAJDU, THE FEDERAL HEALTH MINISTER

TRANSFORMING HEALTH

NEED TO SHIFT FROM REACTIVE TO PROACTIVE AND PREVENTATIVE CARE

A lack of early intervention and prevention is contributing to more patients becoming ill.

"The COVID-19 situation is dire and may soon be completely out of control. Health-care resources are finite" (*Dr. Michael Warner, medical director of critical care at Toronto's Michael Garron Hospital)*

"Given that there is currently no effective vaccine or specific treatment for COVID-19, public health measures will be the only tools available to mitigate the impact of the virus," *The Public Health Agency of Canada (PHAC)*

CURRENT STATUS

MEASURES IN PLACE FOR CONTROLLING THE SPREAD OF COVID-19

AHS FRONT LINE RESPONSE

- Health Link (811) continues to experience extremely high call volumes well above peak

- Self assessment lacks individualized recording, monitoring and effective feedback for the pandemic response

- The system lacks integration of assessment and health data recording to provide live reports of population health

HEALTHCARE PROVIDERS

- Patients have been exaggerating symptoms or fabricating travel history in order to increase their chances of being tested for COVID-19, due to the long wait times with Health Link

- Anxious patients have crowded ER's and clinics placing additional stress on the healthcare system

- The healthcare providers lack the means of an integrated system to efficiently communicate and triage patients at distance

ACTIONS

IN ORDER TO FLATTEN THE CURVE

Designate

A streamlined end-to-end procedure to enable continuous assessment, tracking, feedback and next-steps for the general public

Establish

An electronic recording and data analytics driven system to accelerate case identification for local response teams
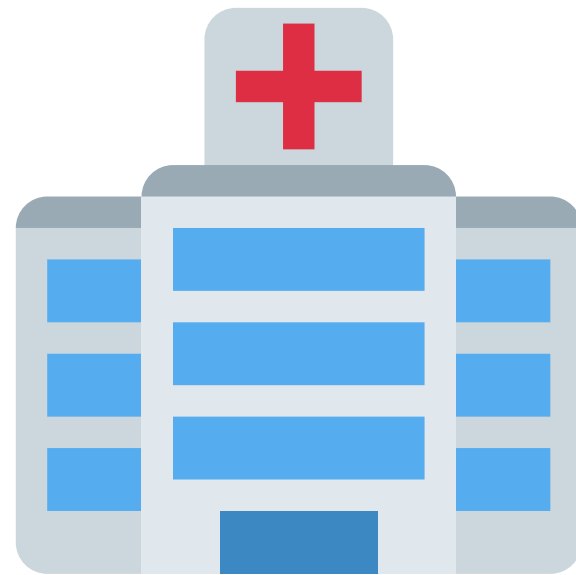
Report

COVID-19 observations to AHS (and other response units) to identify "hot spots", predict models and report health data in realtime

OUR SOLUTION

A SCALABLE AND LOW-COST TELEHEALTH PLATFORM THAT IS DATA ANALYTICS DRIVEN TO SCREEN FOR COVID-19 SYMPTOMS

Reduce volume of visits to ER and clinics

Minimizing contact and containing the spread of the virus

Providing effective assessment, tracking, monitoring and management of the virus

MedROAD Platform Expedites Management of

Assessment

Triage

Monitoring

Centralized platform that can be accessed across pandemic response units
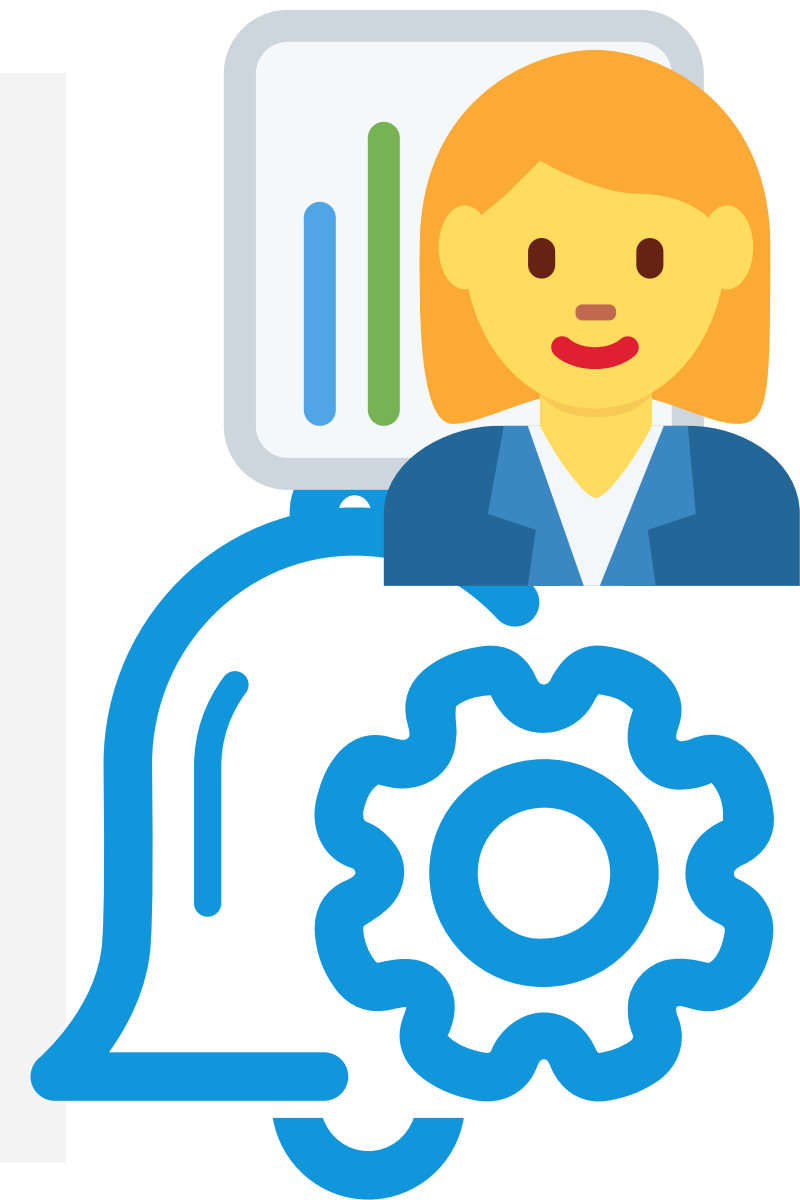
Centralized Monitoring tool

MedROAD Platform enables the public to receive personalized oversight by health professionals for their COVID-19 health status

Public

- Can conduct daily health check-ins that are logged into a centralized cloud based data server
- Provide the latest updates & alerts by health authorities

Health Providers

- Provide next steps depending on check-in information

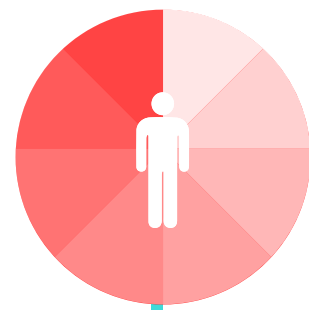*Monitor in isolation by MedROAD Teleconferening*

Streamlining Platform

Empowering the medical system to efficiently monitor and manage health changes in large populations, and to direct care as necessary

Filter patient data which allows to reduce burden on front line workers

Book appointments and conduct tele-health visits

Provide alerts to health care unites once patients shows symptoms based on initial MedROAD assessment

Location based information of where the hot spots are located

INTERACTIVE CARE

- Enhancing patient interaction with distance based quality healthcare delivery

- Sensor integration and data fusion using cloud-based technologies

- Record medical data automatically and transmit in real-time to a secure server

PRIVACY

Guarantee data integrity and privacy using HL7 standard

LOW COST

Easy solution customization based on adaptive low-cost technologies

How does the system work for the public ?

Create an Account on MedROAD
With basic personal information and health background

Screening Phase
Complete assessment questionnaire and upload health measurements (i.e. temperature reading), if applicable

Data assessment

Next Steps
Based on COVID-19 assessment results, assign next steps to patients

Daily Check-in
Advised to conduct daily Health-Check-ins for continuous monitoring

Teleconferencing
Based on assessment alerts or if a patient wants to consult a physician, the system will book an appointment

How does the system work for the Providers ?

Screening
MedROAD applies data analytics on collected patient information

Alerts
Personalized feedback and alerts are created for specific patients with high risk

Monitor
MedROAD enables video conferencing between health providers and patients, and daily check-ins for COVID-19 positive patients in isolation

Data
Real time health data allows officials to make informed decisions at critical times to respond to the rapidly spreading virus

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