Health – A **strategic priority** at the Canadian Space Agency
Next Chapters of Human Spaceflight
THE MOON
384,467 km
2.6 sec

MARS
55.7 - 401.3 million km
40 minutes

ISS
400 km

Distance from Earth:
↑ communications delays
↑ mission duration
↑ isolation
↓ resupply
↓ evacuation

EARTH
Shared Challenges

Shared Solutions
HEALTH BEYOND INITIATIVE

To leverage the ambitious vision for human space exploration and the healthcare needs of astronauts to contribute to remote healthcare delivery in Canada.
Vision and Mobilization

Capacity Building

Demonstration and Deployment
Ongoing/Upcoming Activities

• Connected Care Medical Modules
• Deep Space Healthcare Challenge
• Innovation Lab at CSA HQ
• Innovation Fund for Remote Healthcare in Space and on Earth
• Engagement Activities
  o Workshops
  o Health Beyond Summit, Fall 2023
Connected Care Medical Module

Core computer-based system that facilitates the incorporation, interconnection (i.e., flow of information), and usage of the latest medical technologies.

Enable agile, rapid prototyping and iterative operation on Earth, with the ultimate objective of operation in space.
Five Winners for the 1\textsuperscript{st} C\textsuperscript{2}M\textsuperscript{2} Prototype

CGI

PHYXABLE

CSMC SCMS

Lunar Medical Inc.
Creating the future together

Revolutionizing healthcare on Earth and in space
Next Steps
Agence spatiale canadienne

Canadian Space Agency