

Health Beyond Initiative



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USES OF OUTER SPACE
Scientific and Technical Subcommittee
Sixtieth session
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Health – A **strategic priority** at the Canadian Space Agency







Next Chapters of Human Spaceflight















Distance from Earth:

- **★** communications delays
- **★** mission duration
- **★** isolation
- **‡** resupply
- evacuation

EARTH

Shared Challenges

Shared Solutions







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
 - Workshops
 - 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









Treatment Strategies



Training and simulation





Environmental Monitoring



Crew Health Monitoring



Point-of-care diagnostics







Integration Data Platform



User Interface



Decision Support System

Al Modules

Five Winners for the 1st C2M2 Prototype

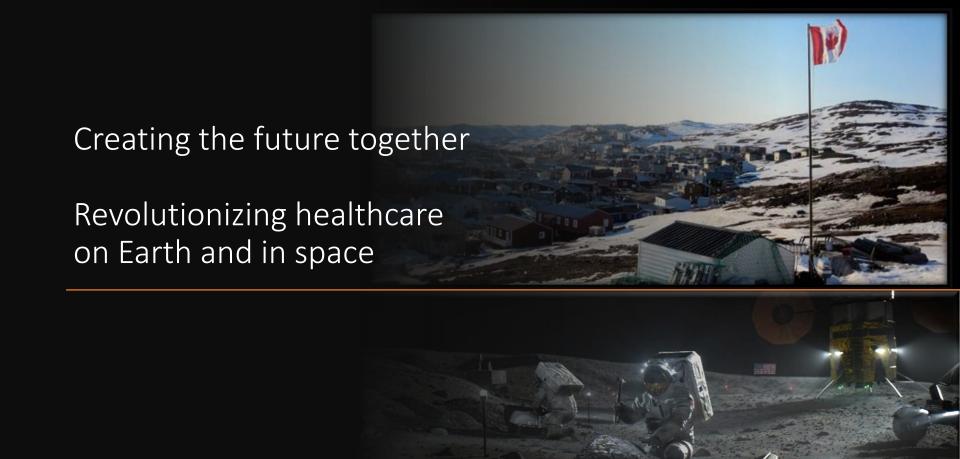
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