

SPACE SOLUTIONS FOR HEALTH: AN OVERVIEW



UNITED NATIONS
Office for Outer Space Affairs



Issue #1: Fundamental research on health

Research is key to advance in any field, space offers a unique environment for health research



Microgravity research offers a unique way to look into health aspects, such as protein growth. UNOOSA offers opportunities to carry out microgravity research in partnership with ZARM, China Manned Space Agency and Airbus

Issue #2: In space there are (often) no physicians

Space offers examples on how training, telemedicine and investing in professionals can make the difference



Issue #3: Spread



Mobility data from Apple



Mobility data from Google

Space can help in contact tracing and detecting changes in habits that could influence policy measures

Issue #4: Environmental factors

Tele epidemiology studies the interaction between environment, climate and health. Remote sensing is a key technology to understand the environment.

Key takeaways

Space can be an integral part of response systems

- ❑ Microgravity research and health
- ❑ A telemedicine infrastructure is better coupled with training, which can also be delivered as distance learning.
- ❑ Space-based data can be an integral part of the response. Discussions happening in international forum such ICG or COPUOS help realizing the full potential of the technology
- ❑ Space is a tool, and it can be a very useful one
- ❑ You can count on UNOOSA to provide support in identifying the best use you can use space technology, data and applications.