Space and Health

- Microgravity and cancer research
- Emergency services and precise locations
- Enhanced use of UAVs and drones
- Ecological and environmental conditions
- Telemedicine/Telehealth
- Disaster Management (DM)
- Disease occurrence and prevalence
  - Extensive work with Malaria, Measles, West Nile Virus, H5N1 Influenza, and Lyme Disease
Space4Health and Infectious Disease

• Linkage between climate change, the environment, and the emergence of novel organisms and re-emergence of age-old killers in undeniable

• History of measuring a myriad of environmental factors

• Need to modify and link those with measurable aspects of disease occurrence, rise, progression, and resolution
Space4Health and SARS-CoV-2 Models to Track, Predict, and Respond

• Measure location of infected individuals
• Tracking of empty parking lots, roads, and other modes of travel.
• Effect of lockdowns and public health measure on society (view from space) – traffic movement and pollution studies
• Tracking phone data on population movements
• Where are the cases/deaths?
• Antigen/antibody testing patterns?
• Medical Resource patterns?
• Population movement?
• Recovery patterns?
Graph correlating Ag and Ab status with symptom onset.
Integration with remote sensing hotspot information and space-derived data needed.

https://jamanetwork.com/journals/jama/fullarticle/2765837?guest...ampaing=article_alert-jama&utm_content=olf&utm_term=050620