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Space4Health

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Space-Related Aspects of Disease and Pandemics

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Space and Health

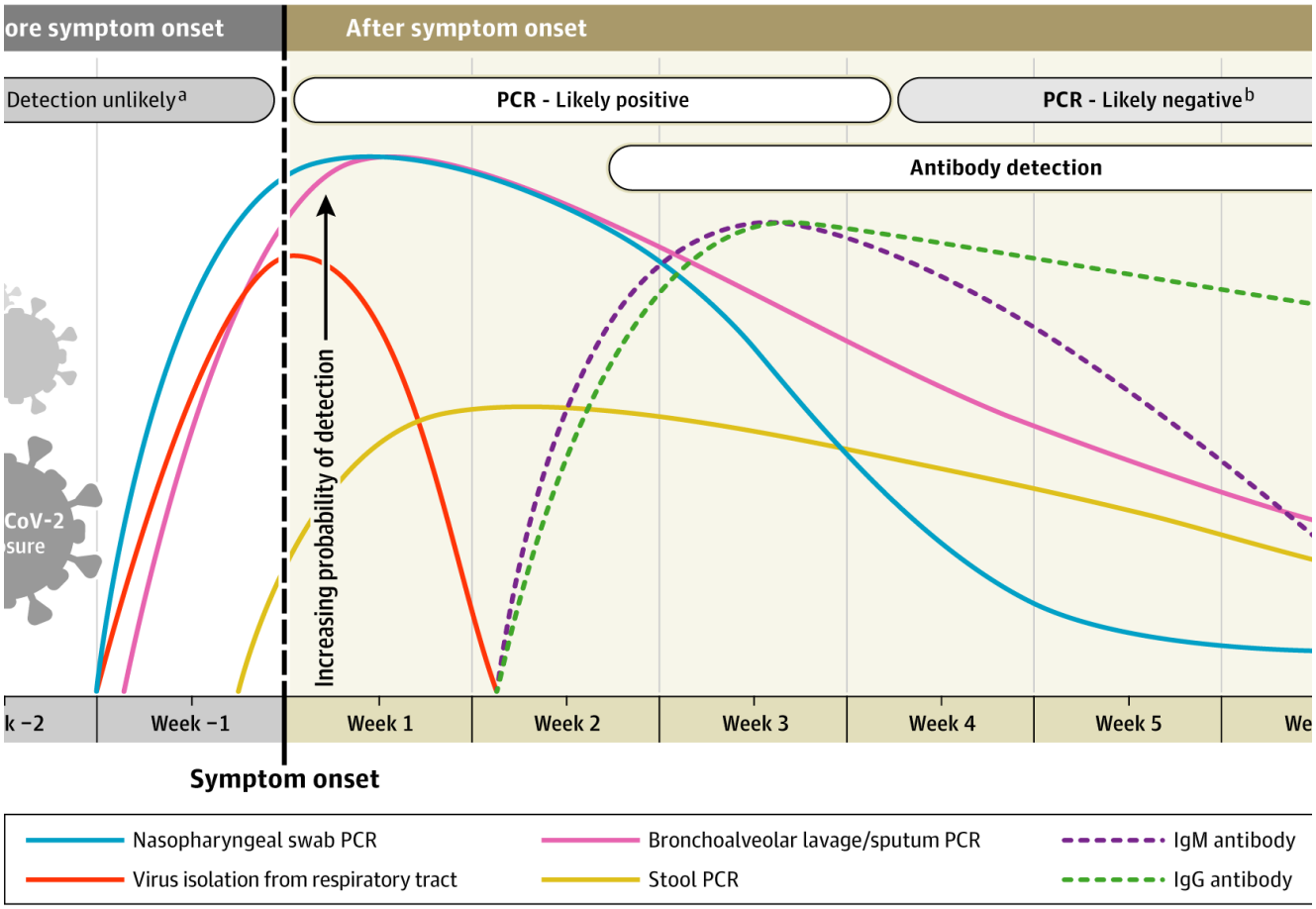
- Microgravity and cancer research
- Emergency services and precise locations
- Enhanced use of UAVs and drones
- Ecological and environmental conditions
- Telemedicine/Telehealth
- Disaster Management (DM)
- Disease occurrence and prevalence
  - Extensive work with Malaria, Measles, West Nile Virus, 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...ampaign=article_alert-jama&utm_content=olf&utm_term=050620