

Testing: Why? How?

Situational Awareness

Diagnosis (Individuals)

- Active SARS-CoV-2 infection? Early/Late? Pre-/Asymptomatic?
- Contagious? Who will be contagious?
- Prognosis: Severity? Complications? Clinical Needs? Acquired immunity?

Surveillance (Populations, Public Health)

- Infected? Immune? Susceptible?
- Where in space (geography) and time?
- Understand heterogeneity: Who? Why?
- Assess interventions

- Detection target: virus, host response
- Deployment

Relman: Introduction