



CARE

Corona Accelerated Research & Development in Europe

Drug development System dynamics Regional



Goal: To capture the impact of the antiviral drugs developed by the CARE consortium on patient health. To gain insights from the development process to improve drug development in future consortiums.

Problem

No small molecule antiviral drug is currently fully approved for the treatment of the novel coronavirus. The CARE consortium is developing antiviral drugs for the treatment of covid-19. Our research aims to help the drug developers in CARE to understand the impact of their R&D decisions.

Method

Stakeholder Analysis: Interviews, Group model building workshops and model validation. workshops

Systems Dynamics: Conceptual system maps, scenario simulation and system dynamics modelling.

Application/Insights

- Some insights our research focuses on are:
- The impact of the size of the consortium
 - How decisions are made in the consortium
 - Impact of funding on R&D decisions
 - Impact of drugs developed on health outcomes

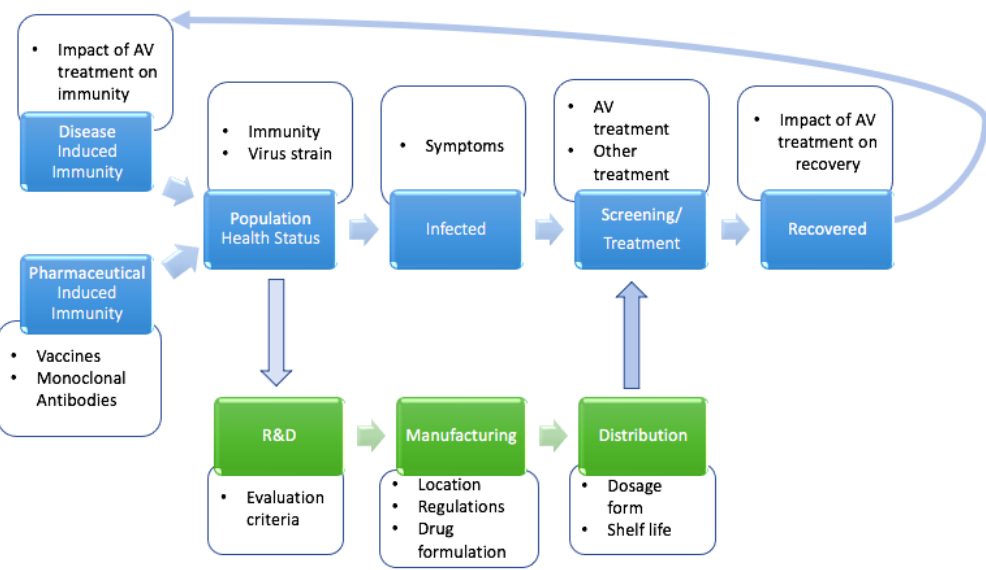


Figure 1: Conceptual system map overview