

Improving Public Health Preparedness

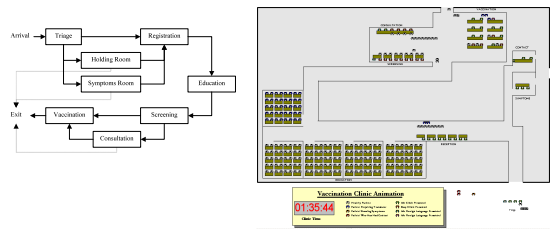
Jeffrey W. Herrmann



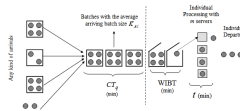
This research uses operations research to develop and implement decision support tools that help public health officials plan for emergencies such as anthrax attacks, smallpox, and pandemic flu outbreaks.



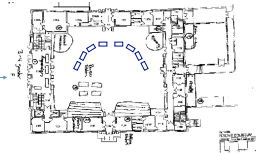
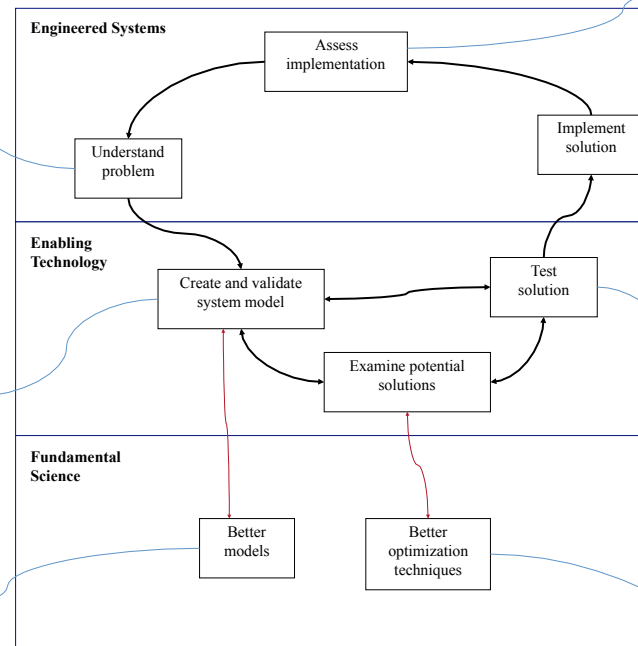
Volunteer "patients" wait in line at smallpox clinic exercise (June, 2004)



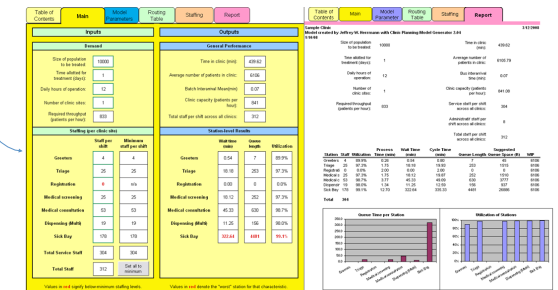
Flowchart of patient flow; simulation model



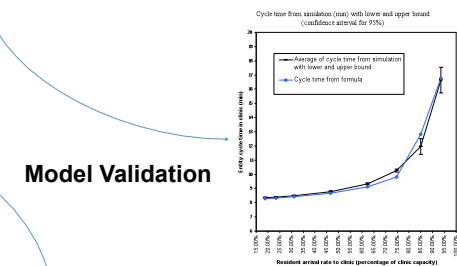
Queueing network approximations



Flu vaccination clinic (Fall, 2009)



Clinic Planning Model Generator

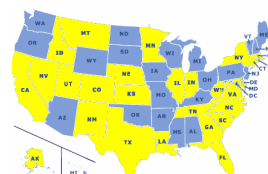


Model Validation

Publications



National impact



States whose health planners are using our software.

Undergraduate and Graduate Student Research Experiences



Sponsors: Montgomery County, Maryland, Advanced Practice Center; the National Association of County & City Health Officials (NACCHO); Centers for Disease Control and Prevention (CDC).