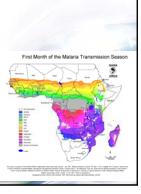


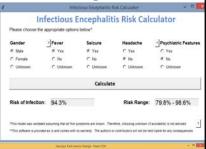
## Decision-support tools for resource allocation

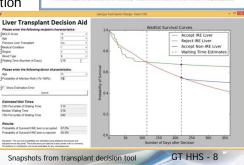
- Geographic assignment of healthcare workers to balance supply, demand, and preferences
  - Pilot in Mozambique, in collaboration with the Task Force for Global Health and CDC
- Systems-based approach to minimize the incidence of malaria with limited resources for indoor residual spraying
  - DC placement, zone assignment, resource deployment



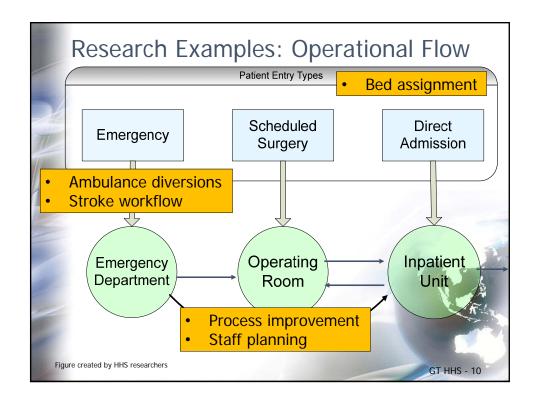
## Decision-support tools for informed and shared clinical decision making

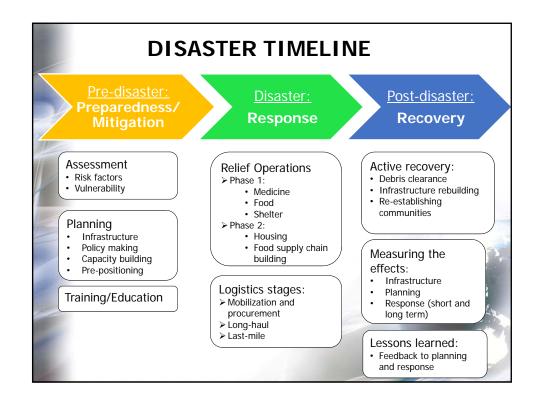
- Organ transplant: Identification and allocation of increased risk encephalitis organs
  - Risk calculator
  - Estimation of survival curves and wait time considering patient condition and location
- Prenatal screening for down syndrome considering women's preferences











## Disaster Preparedness How much inventory should one pre-position globally? CARE, responding to disasters world-wide WFP, delivering food aid with variable donations UN HCR, supplying needs of refugees with uncertain leadtimes Systems approach can help balance system costs, speed, quality, and performance



