

Integrated Infectious Disease Capacity- Building Evaluation (IDCAP)

Innovation in Impact Evaluation



Accordia Global Health Foundation

- Accordia partners with *academic medical centers* in Africa to develop **Centers of Excellence in Infectious Disease, and other innovative models to address HIV/AIDS and related infectious disease**
- In 2004 Accordia founded the Infectious Diseases Institute, Makerere University, Uganda
- A team of **Global Health Professionals** backed by the Academic Alliance network of infectious disease specialists from leading institutions around the world



Building a Stronger Case for Capacity-Building for Health

- Importance of demonstrating progress
- Challenges in measuring the impact of capacity-building efforts
- Training as an essential vector for other powerful interventions ... most fundamental aspect of capacity-building... and among easiest to evaluate!



Improving the Standards of Evidence for Professional Training

- Currently, little beyond anecdote to compare one form of training to the next
- Must move beyond inappropriate current proxies for evidence:
 - The impact of training programs being described by the number trained
 - Innovations judged by novelty or technical appeal
 - Cost savings interpreted as cost-effectiveness



What is Ultimate Impact of Professional Training?



- Transfer of knowledge, skills, experience creates a better prepared individual
- Better prepared individuals provide higher quality healthcare services
- High quality services lead to better health outcomes for all



Accordia and Operational Research

- Training African healthcare professionals since 2000
- In 2005, teamed with a national surveillance program in Uganda to illustrate the impact of malaria training program
- In 2008, Bill & Melinda Gates Foundation awarded Accordia multi-year grant to undertake IDCAP
 - Infectious Diseases Institute
 - URC's Center for Human Services
 - University of Washington's I-TECH



IDCAP Intends to Advance Field of Training Evaluation

- Goal: Evaluate the cost-effectiveness of a promising method to build capacity among mid-level health practitioners in sub-Saharan Africa for the treatment and prevention of infectious diseases.
- Surveillance system of 36 health facilities to measure the impact on clinical performance and health outcomes
- Randomized facility-based study design



IDCAP's Innovation in Training

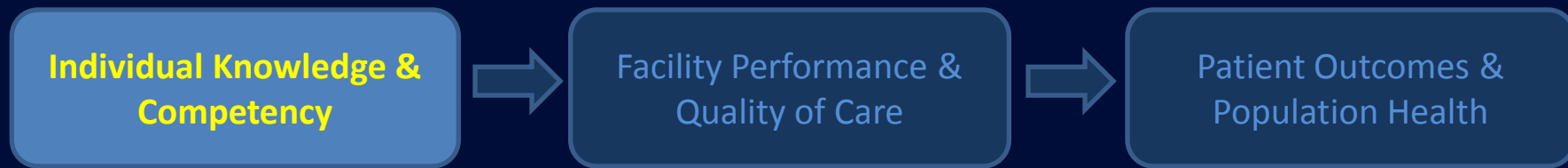
The IDCAP Capacity-Building Package

- Focus on mid-level practitioners
- Integration across infectious disease
- On-site support component



IDCAP Innovation in Evaluation

Impact on the Individual



- **72 trainees attend 3-week course and boost session**
- **Evaluation pre- and post training, and after 9 months**
 - **Classroom Case Scenarios** are written examinations that overcome some limitations of multiple choice exams, while preserving the advantages
 - **Clinical Assessment Tool** allows comprehensive evaluation of clinician practice



IDCAP Innovation in Evaluation

Impact on Service Delivery

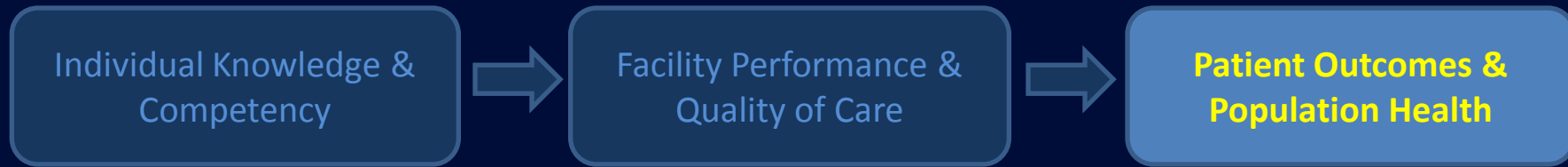


- Facility Surveillance System (existing, improved, new)
- Data Collection System (centralized and distributed)
- 54 indicators of emergency treatment and infectious disease service delivery
- Randomized facility-based trial with staggered introduction of on-site support



IDCAP Innovation in Evaluation

Impact on Health Outcomes



- **Patient Cohorts** to determine complete information about long-term and chronic care patients known for loss to follow up
- **Mortality Survey** of households in populations surrounding IDCAP facilities, to determine impact on < 5 mortality rates



IDCAP

Products for Dissemination

- Integrated Management of Infectious Disease training course for mid-level practitioners
- On-site support model and multidisciplinary team training materials
- Clinical decision-making guides for field use
- Evaluation tools and findings

