Scaling Global Health Innovations: Lessons Learned and Path Forward

13 April 2019

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Disclosures

The following organizations have provided research and operational support (funding and/or in-kind) through Duke-affiliated non-profit, Innovations in Healthcare, and/or Duke University in past 12 months, or direct compensation/honoraria:

Agenda

• Global context for health and healthcare

• Lessons from studying leading innovators

• Opportunities for adaptation and reciprocal learning
Focusing on Value:
Triple Aim or Iron Triangle
Health challenges...

- Non-communicable diseases
- Shifting demographics
- Infrastructure needs
- Lack of human capital

Provide opportunities...

- Innovative models of care
- Disruptive technologies
- Novel workforce development programs
Critical Success Factors: Opportunities for Disruption

- Get close to the patient (consumer) and align to their behavior patterns
- Reinvent the delivery model by using digital health technologies
- Confront professional assumptions and ‘right-skill’ the workforce
- Standardize operating procedures and reduce variation
- Develop asset-light business models
- Unlock the power of data
Duke Global Health Innovation Center and Innovations in Healthcare

Innovations in Healthcare

- **Mission**: to source, strengthen, study and scale promising innovations, and thereby increase access to quality, affordable healthcare worldwide
- Curated network of 92 innovators operating in 70+ countries

Duke Global Health Innovation Center

- **Mission**: to study and support the scaling and adaptation of innovations, and related policy reforms, to address critical health challenges worldwide
- Center within Duke University, linking global health, health policy, and health innovation efforts across Duke

Collective Vision: to scale healthcare innovations worldwide
Transforming Health and Healthcare Globally

Source, Strengthen, Study, and Scale Global Healthcare Innovations

Design, Implement, and Evaluate Global Health Programs

Generate Local, National, and Regional Market Insights

Create and Deliver Capacity Building and Training Resources

Convene Ecosystem Leaders to Develop Breakthrough Solutions

Develop Evaluation Tools that Measure Population Health
Supply-driven systems, often with volume-based and fragmented payments tied to services

Individual practitioners and providers are accountable for elements of care provided to patients seeking care

Hinders innovation

Demand-driven systems, often with more inclusive payments tied to the person

Teams or networks of providers accountable to payers for all care services and preventive measures for achieving outcomes provided to prospectively defined populations

Enables innovation

Coordinated

Comprehensive

Anticipatory

Longitudinal
Impact of Different Factors on Risk of Premature Death

Health Outcomes
- Length of Life (50%)
- Quality of Life (50%)

Health Behaviors (30%)
- Tobacco Use
- Diet & Exercise
- Alcohol & Drug Use
- Sexual Activity

Clinical Care (20%)
- Access to Care
- Quality of Care

Social & Economic Factors (40%)
- Education
- Employment
- Income
- Family & Social Support
- Community Safety

Physical Environment (10%)
- Air & Water Quality
- Housing & Transit

Health Factors
- Policies & Programs
- Health Care
- Genetics
- Social and Environmental Factors
- Individual Behavior

Health and Well Being

Driving High-Value Health Systems

Health Care Organizational Competencies
- Governance and culture
- Financial readiness
- Health IT infrastructure
- Patient risk assessment and stratification
- Patient engagement
- Quality and process improvement
- Care coordination

Accountable Care Policies
- Population
- Performance measures
- Support for continuous improvement
- Payment and non-financial incentives
- Support for care coordination and transformation

Health Policy Environment
- Institutional (agency structure)
- Political (stakeholder interests)
- Regulatory (workforce, payment)

Successful Delivery System Innovation

Transform health care
Improve outcomes
Use resources efficiently
Global Examples of High-Value Health Systems

Source: WISH
Lessons for Providers

• Invest in clinical leadership, shared values, collaboration across providers and with community

• Develop technology infrastructure that is interoperable across providers and platforms and provides longitudinal data to identify high-risk patients and address needs

• Shift care to multidisciplinary teams, and shift sites of care toward the community or home
Lessons for Payers, Policy Makers

• Enable providers to track financial and health data to monitor costs, revenues, utilization rates, and health outcomes

• Provide a stepwise, predictable approach to implementing payment models and performance measures that increase emphasis on achieving higher value in care

• Develop evidence along the way to guide reform
Regional Action through Data (RAD)

- The lack of definitive policy or enabling policy environment can be a significant barrier to scaling innovation.
- Through RAD, we have identified three policy gaps across East Africa preventing effective cross-border health data sharing, continuity of care, and use of data for decision-making:
  - **Legal Frameworks and Practices for Data Sharing:** Many countries currently lack a legal or regulatory framework for cross-border data sharing.
  - **Data Protection and Storage:** There is currently no comprehensive law or regional legal framework to safeguard collected data to ensure that it is used only for the purpose for which it is intended.
  - **Patient Confidentiality:** There are differing levels of legal protection of health data between countries.
- The RAD Initiative is developing a regional health data sharing policy to enhance sharing of data between IGAD member states in order to promote continuity of care, improve epidemic control, and enhance public health planning.
Summary

- Transformative innovations across policy, payment, and care delivery are necessary to address enduring, urgent challenges in health and healthcare globally.

- Sharing lessons and insights across boundaries is necessary to scale and replicate solutions for maximum impact.

- Organizations dedicated to systematically supporting innovation will be best positioned to define and shape future of health and healthcare.
Thank You

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