Strengthening Health Systems by Improving Surgical Capacity and Value

Extreme Affordability Conference
Ensign College of Public Health – July 9, 2018
Capacity to provide surgical care is an important component of Health Systems.
28-32% of the global burden of disease can be attributed to surgically treatable conditions.
DISEASE BURDEN IN LOW AND MIDDLE INCOME COUNTRIES

SURGICALLY TREATABLE CONDITIONS

401,000,000 DALYs/year

MALARIA, HIV, TUBERCULOSIS COMBINED

214,000,000 DALYs/year
Surgical Capacity
(ability to advance health with surgery)

The BREADTH of surgical care services

ACCESS to surgical care

QUALITY of surgical care
Surgical Capacity

BREADTH

ACCESS

QUALITY

PERFECT!
Surgical Capacity

- Breadth
- Access
- Quality
What is QUALITY in the context of capacity?
• Safe
• Effective
• Convenient
• Patient-centered
• Cost-efficient
• Appropriate
• Timely
Safe
Effective
Convenient
Patient-centered
Cost-efficient
Appropriate
Timely

“What you get” when you receive medical care
Health Outcomes
Complications
Why is the **QUALITY** component of capacity so important in low resource settings?
\[ V = \frac{Q + S}{\$} \]

(\text{VALUE})

(\text{QUALITY})

(\text{SERVICE})

(\text{COST})
Value is not about how much something costs ... it’s about *what you get for what you pay for.*
VALUE is a GLOBAL CHALLENGE
Healthcare Spending per Capita

- Italy: $3,012
- Japan: $3,213
- UK: $3,405
- Australia: $3,800
- Sweden: $3,925
- France: $4,118
- Germany: $4,495
- Canada: $4,522
- Switzerland: $5,643
- US: $8,508
- OECD Average: $3,322
Why is the **QUALITY** component of capacity so important in low resource settings?
Why is the **QUALITY** component of capacity so important in **low resource** settings?
Surgical Complications and Poor Outcomes

• Direct Cost
• Opportunity Cost
$V_{VALUE} = \frac{Q_{QUALITY} + S_{SERVICE}}{C_{COST}}$

LMIC focus

US focus
Strengthening Health Systems

• **Capacity**
  - Increase focus on quality component of capacity
  - More safe, more effective, more appropriate
  - Accessible goal – resource saving vs resource expending

• **Value**
  - Getting more health benefit for what is spent
Surgical Capacity

The BREADTH of surgical care services

ACCESS to surgical care

QUALITY of surgical care