



The Next 10 Years of Medical Ministry The Greatest Needs Your Greatest Impact

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Medical Missions

What is the Urgency?

Why Should You Care?

Major Change is ~~coming~~ already underway in Africa

1. Historically faith-based healthcare was 50%+ of all healthcare in Africa
2. Danger of the Church losing the platform for compassion and proclamation
3. Danger of losing the Gospel





How Do ~~We~~ You Change That?

1. Sustainability Strategies
2. Advanced Clinical Care
3. Patient Care That Includes Compassion and Proclamation

You Can Be The Change



Our Agenda

Understand/Be Prepared/Be Effective

1. Overall understanding of the underlying realities in African healthcare
2. Survey of actual on the ground needs
 - Malawi - Primary Care Clinics
 - DR Congo, Kenya, Malawi and Haiti - Hospitals
3. Summary of the opportunities to make a real impact
4. Prologue – Some Axioms to Guide You



General Understanding

The Underlying Healthcare Realities in Africa

1. Africa is the only world region where communicable diseases accounts for the majority of disease burden 70% in Africa vs 40% in World (TB, HIV/AIDS, Malaria, Hep B, Hep C)
2. Leading causes of under 5 deaths – diarrheal diseases (18%) pneumonia (17%) malaria (16%)
3. 1 of 4 children under 5 are underweight (at much greater risk)
4. 25% of children still unvaccinated against vaccine – preventable diseases
5. Only 42% of public facilities have essential medicines
6. Counterfeit and substandard drugs range from 20% in Ghana to 66% in Guinea



General Understanding

The Underlying Healthcare Realities in Africa (cont.)

7. Africa accounts for 60% of the global burden of malaria
8. Only 50% of births attended by skilled health personnel – 18 million per year still do not give birth in health facility
9. Complications during pregnancy and childbirth is a leading cause of death for women of childbearing age 1/16 vs. 1/4000
 - 60% of all maternal deaths worldwide are in Sub-Saharan Africa
10. Africa represents the largest portion of under 5 deaths globally
 - 24 of the 26 countries worldwide with under 5 mortality above 100 deaths / 1,000 live births are in Africa.
11. 52% of rural population do not have access to clean water
12. 75% of rural population do not have access to improved sanitation



Summary – Africa's Top Priorities

Be prepared to recognize, understand, treat and train

1. Communicable Diseases

- a. TB
- b. HIV / AIDS
- c. Malaria
- d. Hepatitis B & C

2. Childhood Diseases (must be IMCI compliant)

- a. Diarrhea
- b. Pneumonia / Respiratory Infections
- c. Malaria – need to understand African treatment protocols and drugs

3. Pregnancy and Childbirth

- a. Prenatal care
- b. Childbirth complications and treatment protocols



Reality on the Ground

Snapshot of 20 Primary Care Clinics in Malawi - Equipment Availability

Health Facility	Glucometer	Glucometer sticks	Thermometer	BP Cuff	Stethoscope	Otoscope	Full suturing packs	Delivery packs	Full wound dressing packs (forceps, kidney dishes, cotton, sterile gauze)	Weigh scale for children	Weigh scale for adults	Ambu bag	Exam table	IV fluids - D5, NS, LR	IV giving sets, IV catheters	Clean gloves	Sterile gloves	Chlorhexidine	Needles, syringes
Kasina Health Center																			
Kanyama Health Center																			
Mikondo Health Center																			
Mphunzi Health Center																			
Lakeview Health Center																			
Kaundu Health Center	1	1 box	5	1	1		5	14	5	1	3	2	2						
Mlanda Health Center			3	1	2	1	25		2	2		2	2						
Chigodi Health Center				2 neither working	1														
Bembeke Health Center																			
Chimwala Health Center			2	1	1														
Malingunde Health Center								10: not enough	3	4	4	2	3						
Mbwatalika Health Center	1		4	3	2	1	4	4	5	1	3	2	2						
Chiwe Health Center			2	1	2														
Senga Bay Health Center			3	2	1		5	10			2	1	2						
Chitala Health Center			5	1	2						1		2						
Mvera Health Center	1		4	1	1			4		1	1		1						
Mseche Health Center			2	2	3		10	15		3	2	5	1						
Dzenza Health Center																			
ABC																			

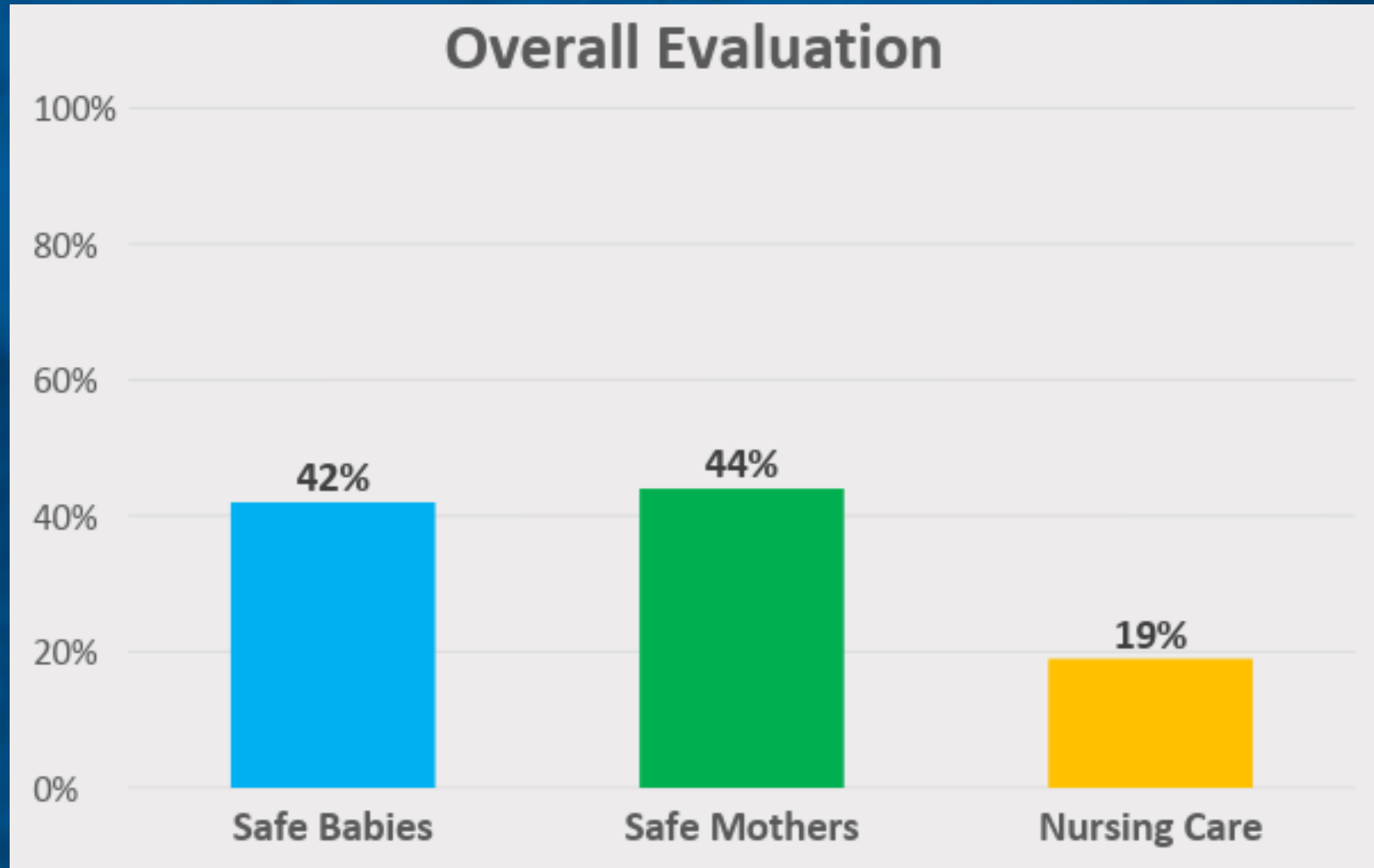


Available ■ Not Available ■



Reality on the Ground

Snapshot of 20 Primary Care Clinics in Malawi – Clinical Care

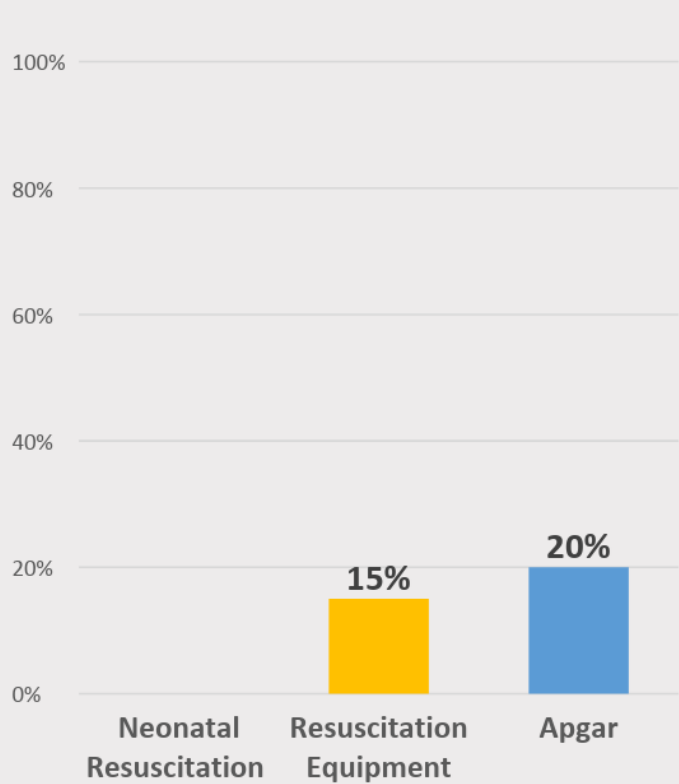




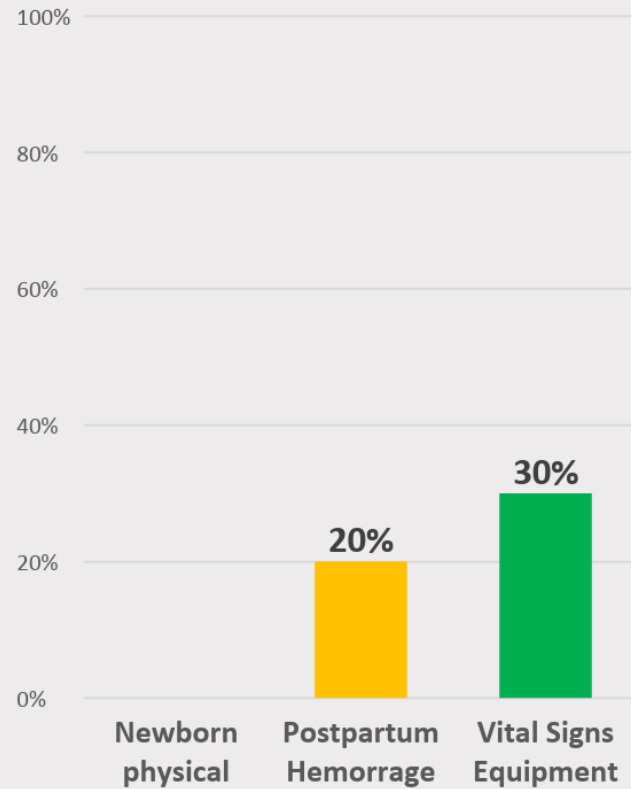
Reality on the Ground

Snapshot of 20 Primary Care Clinics in Malawi – Clinical Care

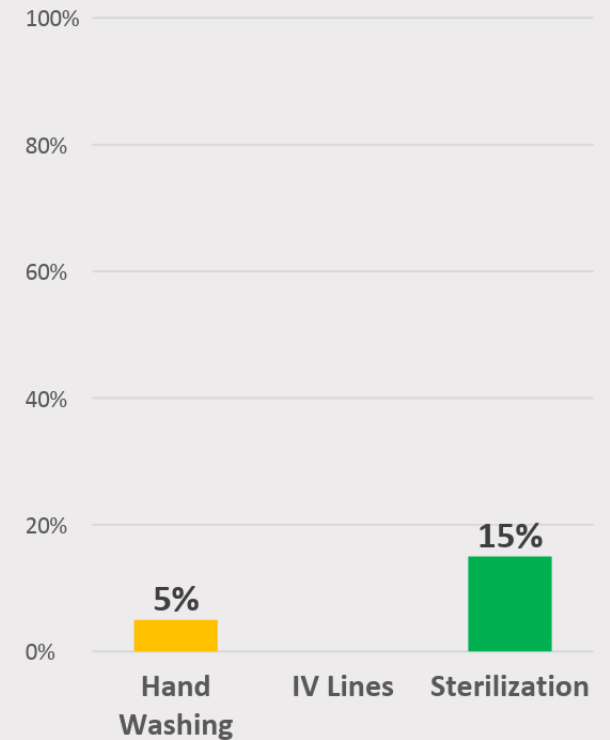
Safe Babies



Safe Mothers



Nursing Care



Practical Needs of Clinics in Malawi 2018



Hand Washing

- Proper hand washing observed and practiced

IV Lines

- IV lines properly labeled, stored and safely administered to patients

Sterilization

- Proper sterilization/disinfection techniques practiced

Neonatal Resuscitation

- Knowing how to save unresponsive babies at moment of delivery

Resuscitation Equipment

- Having the right equipment available and ready to use

Apgar

- Properly assessing newborns after birth

Newborn Physical

- Newborn physical exam is documented in all patient charts

Postpartum Hemorrhage

- Proper postpartum hemorrhage procedures are practiced and documented when needed

Vital Signs Equipment

- Maternity room has IV fluids and sterile essential basics for vital signs



Reality on the Ground

Continuing Education Survey 2018 DR Congo, Kenya, Malawi

1. Nursing Leadership, Management and Professionalism

Specific requests included:

- Professionalism
- Effective team leadership and management,
- Professionalism and nursing ethics
- Nursing leadership
- Nursing process
- Medical/surgical and midwifery conditions and their nursing management

2. Patient Safety

Specific requests included:

- Patient safety
- International safety goals

3. Infection Prevention and Control / Hospital Hygiene

4. Quality Assurance



Reality on the Ground

Continuing Education Survey 2018 DR Congo, Kenya, Malawi

5. Other Various Topics

- Basic Life support
- Haemovigilance
- Alcoholism\drugs of abuse
- Palliative care
- Tuberculosis
- Laboratory, x-ray, pharmacy basics
- Physical therapy

6. Misc. - Nursing Schools

- * New BSN programs Nursing and Midwifery
- * Bachelor's degree in community health nursing



Reality on the Ground

Continuing Education Schedule – Hôpital St. Croix, Haiti

Immediate Needs

1. Emergency care
2. BLS/ACLS/CPR training
3. Immobilization restraint, care, and monitoring
4. Nursing care of asthma patients
5. Pain management
6. Respiratory therapy basics
7. Nursing care of burn patients



Reality on the Ground

Continuing Education Schedule – Hôpital St. Croix, Haiti

Other Ongoing Needs

1. Pre-op nursing care - standards and practices
2. OR nurses responsibilities – protocols and practices
3. Post-op nursing care – protocols and practices
4. Nursing care for diabetic patients
5. Integrated management of childhood illnesses (ICMI)
6. Blood transfusion – practices, standards and protocols
7. Nursing standard of care for patients with tuberculosis
8. Isolation – principles and practices
9. Nosocomial infections – prevention and surveillance
10. Cervical cancer – update on treatment protocols

Summary – Making a Real Impact

(Going to Serve is Not About You)

Primary Care Clinic Setting

1. Understand Communicable Diseases
2. Drugs – Be prepared to know and use what is available. Many “required” drugs will not be there – Some may or may not even be available in country
Editorial note – Do NOT bring your own formulary. That is harmful
3. Equipment - be prepared to know and use what is available. Many “required” equipment will not be there
Editorial note – Handing out free medical equipment is NOT the answer, it makes things worse!
4. Serve Basic Clinic Needs
 - Bring a copy and be prepared to teach one of 8 MBF key clinic needs
 - Understand WHO and IMCI standards and protocols – Bring a copy!!!!





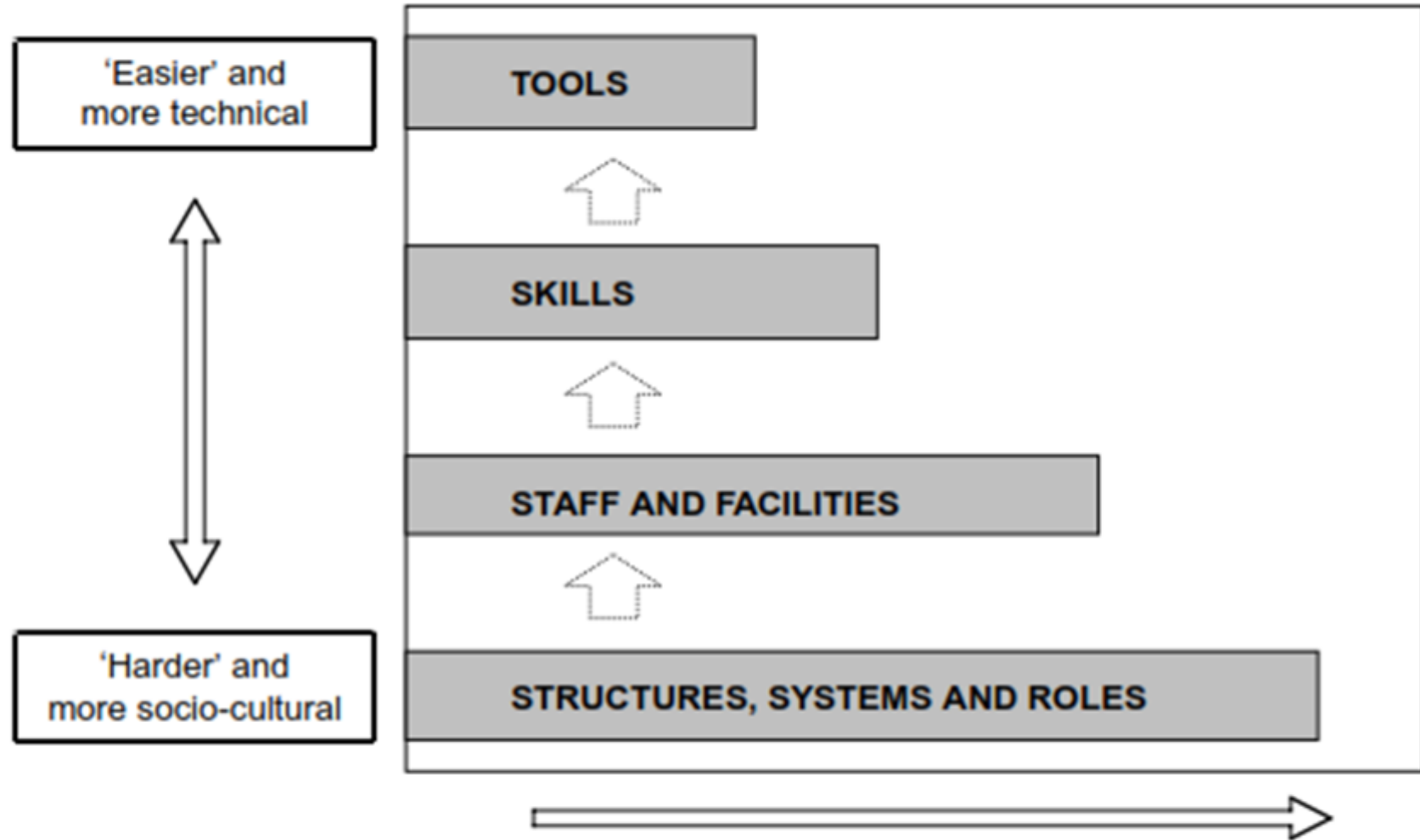
Summary – Making a Real Impact

(Going to Serve is Not About You)

Hospital Setting

1. Understand Communicable Diseases and Treatment Protocols Used in the Country
 - Malaria, TB, HIV/AIDS
2. Be Prepared for Childhood Diseases
 - Diarrhea, Pneumonia/Respiratory, Malaria
 - Must be IMCI compliant
3. Same as Clinics – be prepared for drugs and equipment
4. Offer and Be Prepared to Teach Topics on Hospital Continuing Ed Needs List

Complexity/Time Dimensions of Capacity Building



Systemic capacity building: a hierarchy of needs Potter and Brough 2004

Time to implement
change

Axioms for Making Medical Missions Work

1. Translation requires relationship
2. Culture trumps change (strong resistance to change)
3. Systems heal people – not projects. (Systems can also harm people)
4. Newton 2nd Law of Thermodynamics – Any system left to itself will degenerate into a more disordered state (Sir Isaac Newton)
5. Avoid knowledge paternalism (Brian Fickkert) (you're not as smart as you think you are)
6. You can't serve someone out of poverty. (Bob Lupton)
7. In a chaotic and uncertain world – Greatness happens by choice not by chance. (Jim Collins)
8. Medical missions can often be toxic (Greg Seager)
9. Excellence gives credibility and platform to proclaim (A. Mayo)





Thank You