Quantitative Evaluation of Essential and Emergency Surgical, Obstetric, and Anesthetic Capacity in Ethiopia

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Disclosure



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Olivia Ahearn, MS

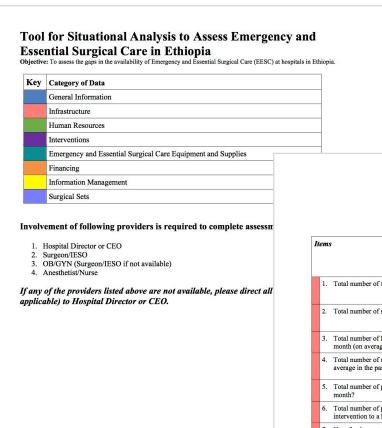
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Introduction

 Ethiopian Federal Ministry of Health, in collaboration with Harvard Medical School's Program in Global Surgery and Social Change, designed a countryspecific hospital assessment tool to evaluate the surgical system.



Surgeon or IESO

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Surgeon or IESO

Infrastructure

Items	Minor: any procedure done under local anesthesia Major: any procedure done in the operating theatre under general anesthesia or profound sedation (i.e. spinal anesthesia)	
1. Total number of functioning operating rooms?	Minor #	
	Major #	
2. Total number of surgical procedures per year?	Minor #	
	Major #	
Total number of laparotomies (adult and pediatric) performed per month (on average in the past 6 months)?	#	
Total number of surgical fracture repairs performed per month (on average in the past 6 months)?	Minor #	
	Major #	
5. Total number of pediatric (aged less than 15 years) surgeries per month?	#	
Total number of patients to this facility that you refer for surgical intervention to a higher-level facility per year?	#	
7. How far do most patients travel to get to your health facility for surgical services? If estimation is not possible, which woreda do a majority of patients come from?	(km	
8. When referred from your hospital, how far does the average patient travel to access surgical services?	(km	

C	Operating Room		
	9. How many OT tables do you have?	#	
	How many of those tables are regularly used?	#	
	11. If not in use, why? (e.g. non-functional, surgical services not yet started)		
	12. How often do you keep surgery-related records?	□ 0 (Never) □ 1-25% □ 26-50% □ 51-75% □ 76-99% □ 100% (Always)	

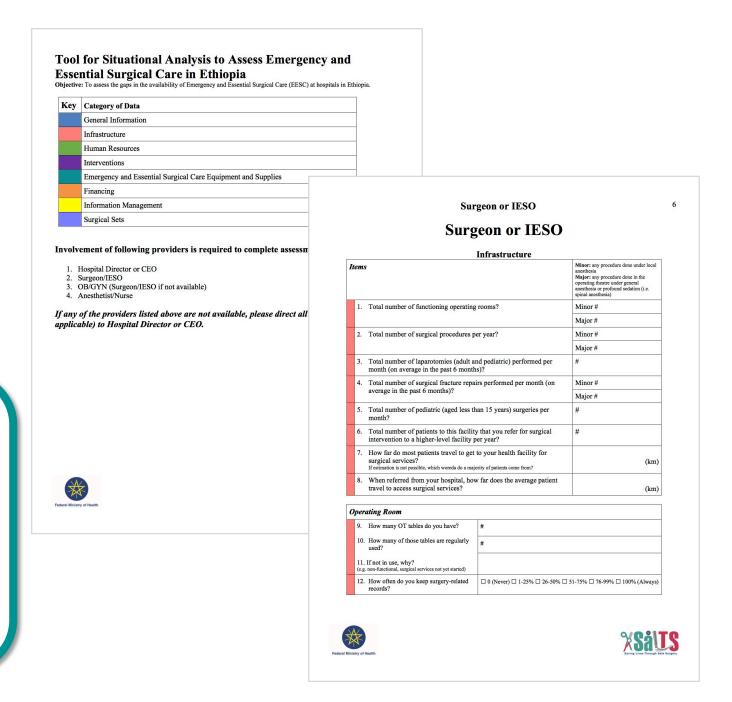




Introduction

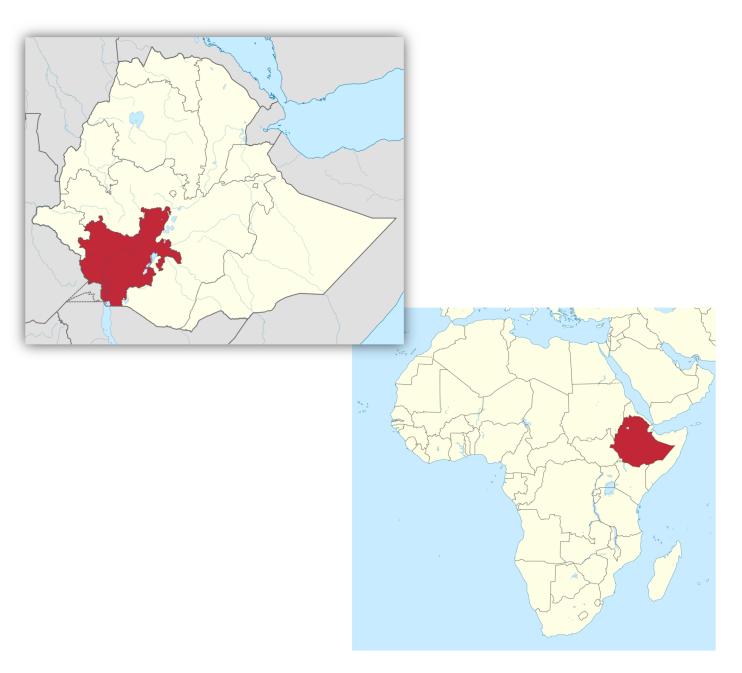
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AIM: Quantify the availability of surgical, obstetric, and anesthesia services as part of the national baseline for Ethiopia's Saving Lives Through Safe Surgery (SaLTS) initiative.



Methods

- 14 hospitals in the Southern Nations, Nationalities, and People's Region of Ethiopia
- 4 semi-structured provider interviews per facility
- Service Availability and Readiness Assessment (SARA) analysis method



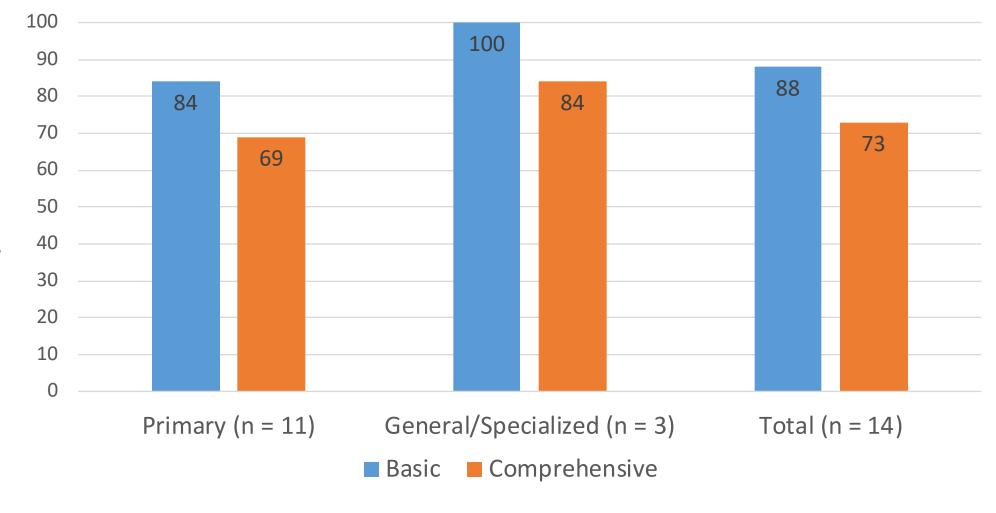
Availability of Basic and Comprehensive Surgical Procedures

Basic surgeries (e.g.):

- I&D
- Irrigation and debridement of open fractures
- Hydrocelectomy

Comprehensive surgeries (e.g.):

- Appendicitis
- Hernia
- Ex lap



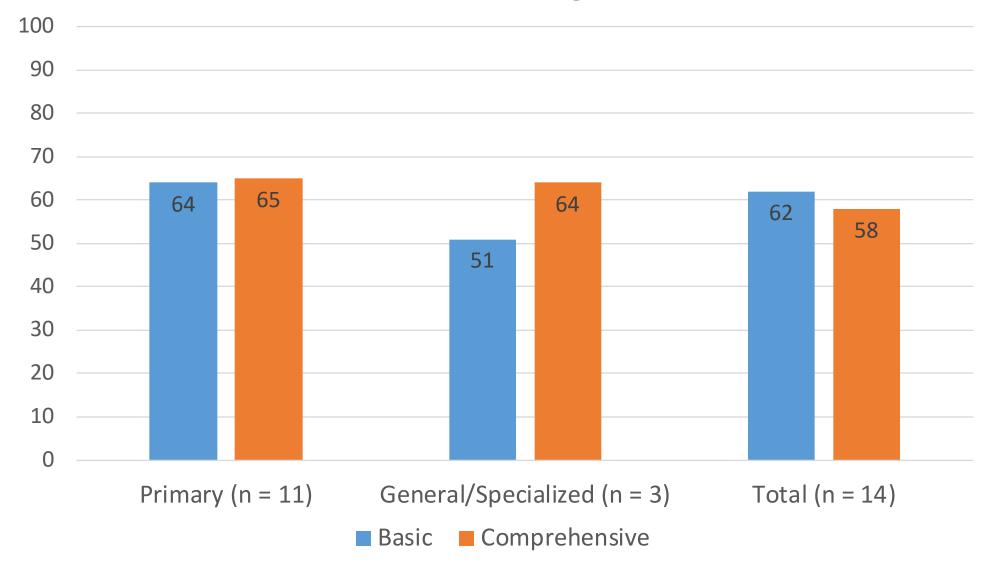
Readiness to Deliver Surgical Services

Basic surgery tracer items (e.g.):

- Scalpel
- Needles and sutures
- Lidocaine IV

Comprehensive surgery tracer items (e.g.):

- Functional anesthesia machine
- ETT
- Epinephrine



Conclusion

 Despite the large gaps identified in the readiness of facilities to deliver surgical services, primary hospitals were providing 84% of basic surgeries and general and specialized hospitals were providing 84% of comprehensive surgeries.

 The next challenge is scaling the adapted tool to obtain a national baseline and addressing the identified gaps through implementation of the SaLTS initiative.





Thank You



