

APPENDIX D

Assessment and Renovation Findings and Recommendations

Based on health centers assessed and renovated in the past two years

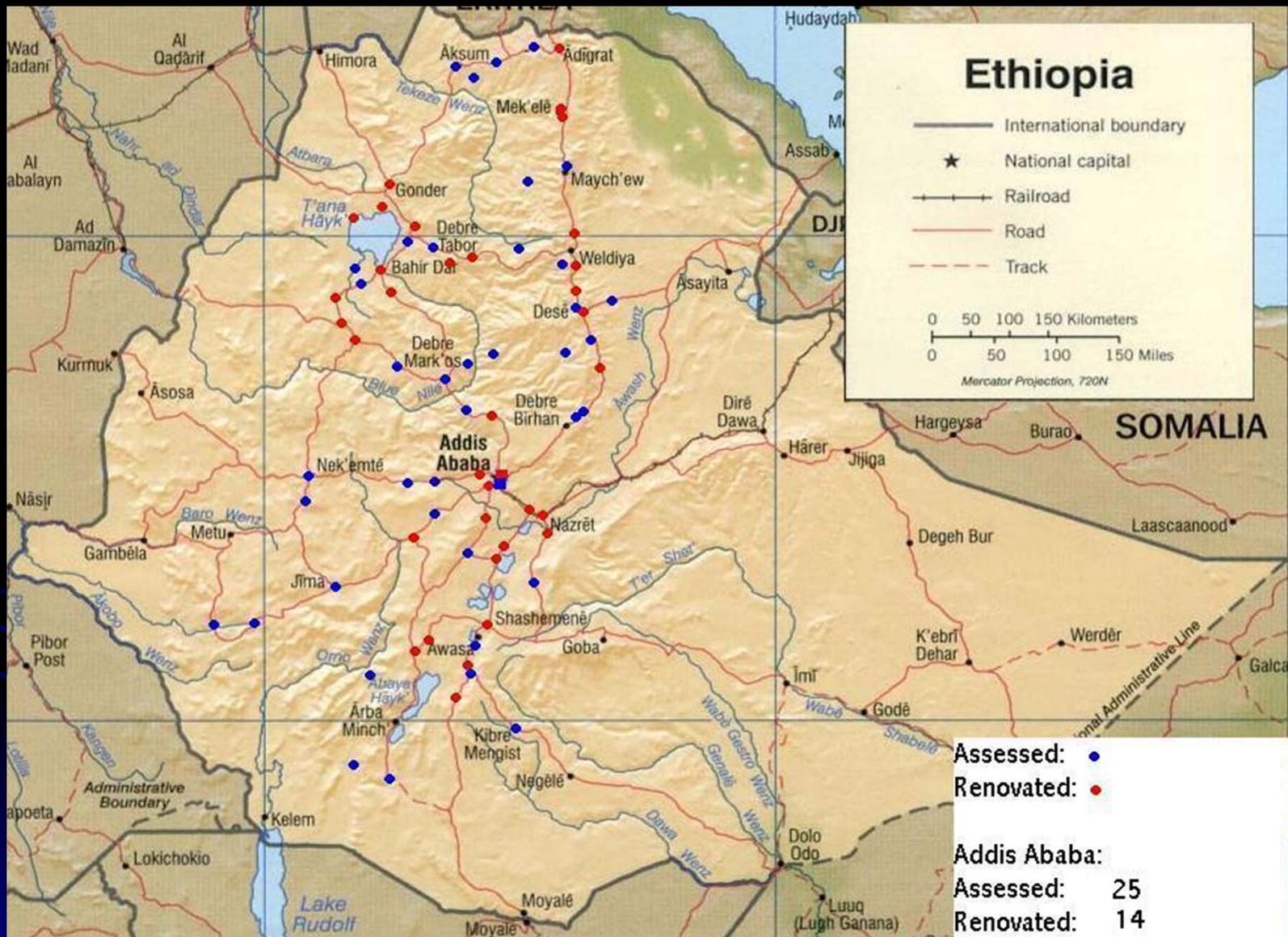


Findings and Recommendations

Report based on the following sources of Information:

- Review of available FMOH and PEPFAR reports and documents since 2005 dealing with standards of care (15 total)
- 100 HC assessments conducted in four regions of Ethiopia and Addis Ababa conducted over past 21 months
- 47 HCs selected for renovation based on location (urban or peri-urban), HIV/AIDS cases being treated (>50 per HC) and high priority for PEPFAR

Where the HCR project worked



100 health centers assessed and 47 renovated

Demographic Characteristics of Health Centers Assessed (n = 100)

Variable	Rate		Variable	Rate
LOCATION			BUILDINGS	
Urban/Peri-urban	89%		<10 Units	45%
Rural	11		>10 Units	55
POPULATION SERVED			CONSTRUCTION	
<100,000	18%		Concrete (hollow block)	41%
100,000 – 200,000	41		Mud-walled	0
>200,000	41		Mixed	59
AGE OF HEALTH CENTER			UTILITIES	
<10 Years	31%		Water (piped city well)	98%
10 – 30 Years	42		Electricity (on grid)	100
> 30 Years	27		DEDICATED STORES	0%

Health Center Access to Water

- Number of HCs tested for coliforms and lead 98
- Number with:
 - coliform counts of <100 colonies/ml 94*
 - negative lead levels 98*
- Number with running water at 1 or more taps 34
- Number with running water in all clinical areas 17
- Number with no running water 64

* Conforms to U.S. EPA standards for clean water

Health Center Access to Water

*Some of the reasons for lack of access to water in 64 health centers**

- Damaged water lines 34
- No storage tank and infrequent water supply 21
- Water pump broken or missing 17
- Leaking water storage tank 12
- Unpaid water bill 5

* Number exceeds 64 because some HCs had more than 1 problem

Purpose of Health Center Assessments

- To gain an overview of each selected HC from both a structural and functional perspective
- To assess the physical condition of the HC buildings
- To determine if utilities (water supply and electrical system), sanitation (waste water disposal, toilets/latrines and septic tanks) and waste management systems are functioning and adequate for the HC needs
- To assess if patient care is compromised by space limitations, inappropriate use of existing space and/or a combination of the two
- To assess availability of adequate space for mandated PHC, HIV/AIDS and maternity care (labor, delivery and postpartum)

Assessment Findings

Based on 100 assessments, the team found most health centers:

- Are over-crowded
- Have major physical problems
- Have multi-system failures (limited or no water supply, wastewater disposal problems, failed sanitation systems and unsafe electrical wiring)
- Compromise patient care and safety due to space limitations, inappropriate use of existing space or a combination of the two
- Lack basic hygiene and environmental health measures to protect patients and staff from serious infectious diseases

Assessment Findings (continued)

- At least 50% of autoclaves, refrigerators, centrifuges and microscopes were not working*
- Over 75 % of suction pumps and 90% of hot water heaters did not work*
- Electric power quality is poor and unreliable*
- Rapid expansion of HIV/AIDS services to HCs is making the problems worse*
- Have no routine maintenance plan or capacity to prevent any improvements from being lost or destroyed within a short-time

* *Source:* Baldinger and Ratterman. Energy Team Debriefing Report, USAID, April 18, 2008

Renovation Findings and Constraints

- Estimated cost to renovate HCs a minimum standard based on BOQs ranged from \$24,000 to \$78,000 (average cost: \$39,000)
- Average funds available per HC was \$22,000 in first year and \$30,000 in second year
- As a consequence, renovation limited to:
 - Repair of only most major physical problems
 - Repair of some essential functions (access to water, etc.)
 - Limited Expansion of space for HIV/AIDS services
 - Minor improvements in maternity services
 - Provision of recommendations for more effective space use and use of a simple maintenance management checklist

Recommendations

- Increase the amount of funds available for HC renovation to at least \$50,000*
- Provide funding (\$2,500 per HC) to replace worn out/non-repairable basic equipment and furnishings*
- Construct dedicated stores space (100 to 200 m2) at key HCs (\$30-40,000 each HC)*
- Provide a readily available preventive maintenance budget to each HC
- Provide routine HC maintenance management training and mentoring to selected HC staff on an ongoing basis

* Subject to 10-15% increase per year due to inflation

Thank You

