

Kenya 2019 Trip Overview



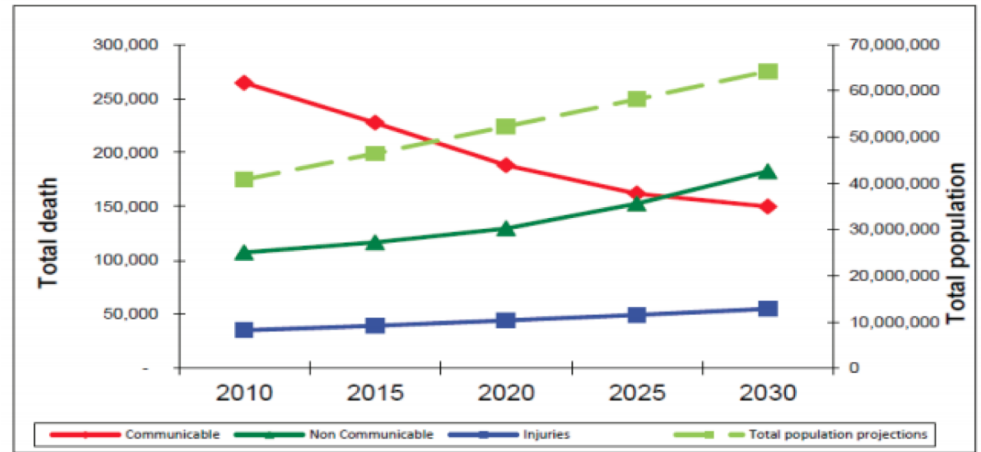
Kenya

- Geography:
 - Eastern Africa on equator
 - Borders Indian Ocean between Somalia and Tanzania
 - 5x the size of Ohio
- Demographics
 - Language: English and Swahili (both official languages)
 - Life expectancy: M:63 F: 66
- History
 - Gained independence from the UK in 1963
 - Currency is Shillings



Health Problems

- Infant mortality *per one thousand births*
 - 77.3 (1999) to 52 (2009)
- Life expectancy
 - 56.6 (1999) to 58.9 (2009)
- Disease Burden
 - Communicable (HIV, TB, Malaria)
 - Non communicable (HTN)
 - Violence/Injuries
- Leading Causes of Death
 - HIV/AIDS
 - Perinatal
 - Lower respiratory infections



Source: Health Sector Strategic and Investment Plan 2013-2017.

Oral Health Problems

- **Kenya National Oral Health Survey Report 2015**
- First national survey using modified WHO questionnaires + clinical exam.
- Population:
 - Various age segments (5, 12, 15, 35-44, 60+)
 - Total of 2,298 children and 1,462 adults in various areas, including Kianjai in Meru County
- Results:
 - Children (5, 12, 15)
 - Caries: 23.9%, bleeding gums: 75.7%, dental fluorosis: 41.7%
 - Toothache/discomfort in past year: 53.8%
 - Never visited dentist: 46.7%, (reason for visit? pain/discomfort: 70.2%)
 - Adults
 - Caries: 34.3%, gingival bleeding: 98.1%
 - Dental problem in past year: 99.9%
 - Dental visit in lifetime: 72.3%, regular checkup: 3.3%

PROCEDURE	COST (KSh)	ESTIMATED DURATION
1 Dental consultation	750	30 MIN
2 Tooth extraction	200	30 MIN
3 Full mouth scaling	1500	1 HR
4 Dental filling	850	1 HR
5 Root canal treatment	1500	1 HR
6 Composite veneers	800	1 HR
7 Temporary filling	1,500	1 HR
8 Partial dentures	300	1 HR
9 Complete dentures	2,000	2 WKS
10 Minor oral surgery	600	1 HR-1.5 HRS
11 Arch bar splinting	500	1 HR-1.5 HRS
12 Mandibulo-Maxillary Fixation (MMF)	800	1 HR-1.5 HRS
13 Orthodontic - Models	300	2 WKS
13 Orthodontic - Appliances	3000	2 WKS
14 Surgical disimpaction	1000	1 HR
15 Age assessment	100	1 HR
16 Dental radiographs	200	1 HR-1.5 HRS
17 Excisional biopsy	800	1 HR
18 T M J manipulation	500	1 HR
19 Removal of stitches	100	30 MIN
20 Incision & Drainage	800	1 HR

Oral Health Problems



- Conclusion:
 - Both children and adult populations **do not** receive adequate dental treatments.
 - Significant population with high fluoride exposure in drinking water.
 - Poor oral hygiene



Health Care System

- Healthcare systems
 - Government
 - Private
 - Faith-Based
 - NGO

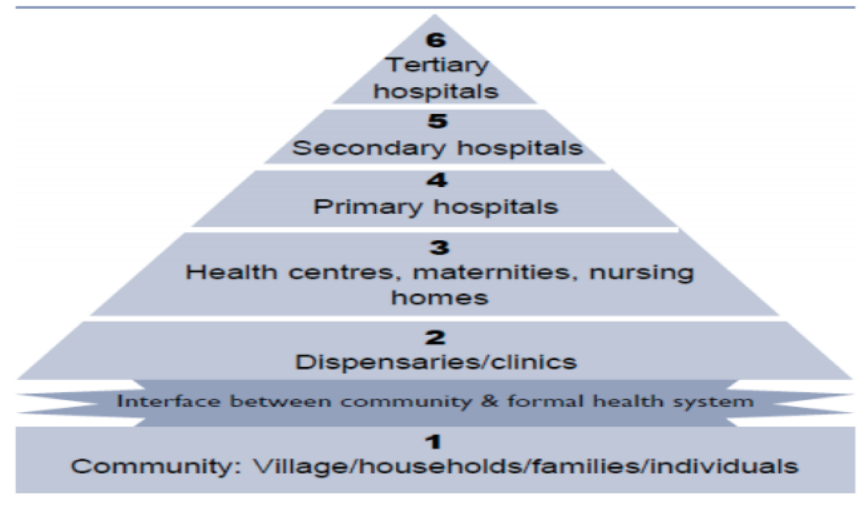
Table 8: Distribution of health facilities by ownership and level of care

Key Health Infrastructure	Community	Primary Care facilities					County hospitals	National hospitals	Total
		Dispensaries	Health Centres	Medical Clinics	Maternity homes	Nursing homes			
Government		2954	682	35	1	0	268	16	3956
Faith Based		561	166	61	3	11	79		881
NGO's		200	24	73	4	5			306
Private		196	60	2,098	32	150	116		2652
Total		3911	932	2267	40	166	463	16	7795

Source: KHSSP 2013-2017.

Health Care System

- About 6/10 Kenyans cannot afford healthcare
 - Oral healthcare is low priority
- About 1 percent have insurance
 - 99% pay on own
- Two national hospitals
 - Moi Referral and Teaching Hospital (Eldoret)
 - Kenyatta National Hospital (Nairobi)



Dental Education System

- Before Dental School
 - Secondary school = high school
 - Up to 18 years
 - KCSE exam to get into higher education
- **University of Nairobi School of Dental Sciences (1974)**
 - 5 years: Bachelor of Dental Surgery (B.D.S.)
 - Departments: OMFS, Prosthodontics, Pediatrics/Orthodontics, and Periodontology
 - Fun fact: Financial and material support from German Government in 1977.
- **Moi University School of Dentistry (2008)**
 - 6 years: Bachelor of Dental Surgery (B.D.S.)
- Dental Hygiene
 - None available.













SAMBURU





THANK
YOU

