



Digital Health Technologies to Improve Outcomes of Cardiovascular Disease

Hadas Mandel
Africa STEMI Live, April 2018

Wearables

Digital tracking tools

Big Data

Personalized medicine

Home Health Technology

Machine learning

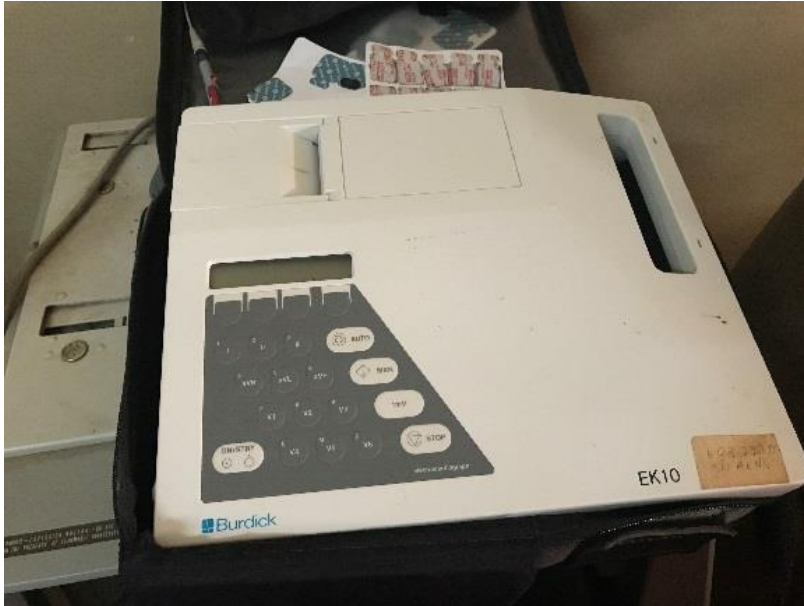


Basic 12-lead ECG Diagnosis



ANYTIME, ANYWHERE, BY ANYONE

Traditional ECG



Top 3 Causes of Morbidity (2016-2017):

#	Disease/Condition	# of <u>NEW</u> Diagnoses 2016-2017	# of <u>NEW</u> Diagnoses 2015-2016
1	Hypertension	2285	1948
2	Malaria	2266	1757
3	Urinary Tract Infection	1179	1050

An online survey on the use of the 12-lead electrocardiograph amongst East African health-care professionals.

(CVJ Africa, Africa STEMI Live 2018)

of respondents in survey: 129

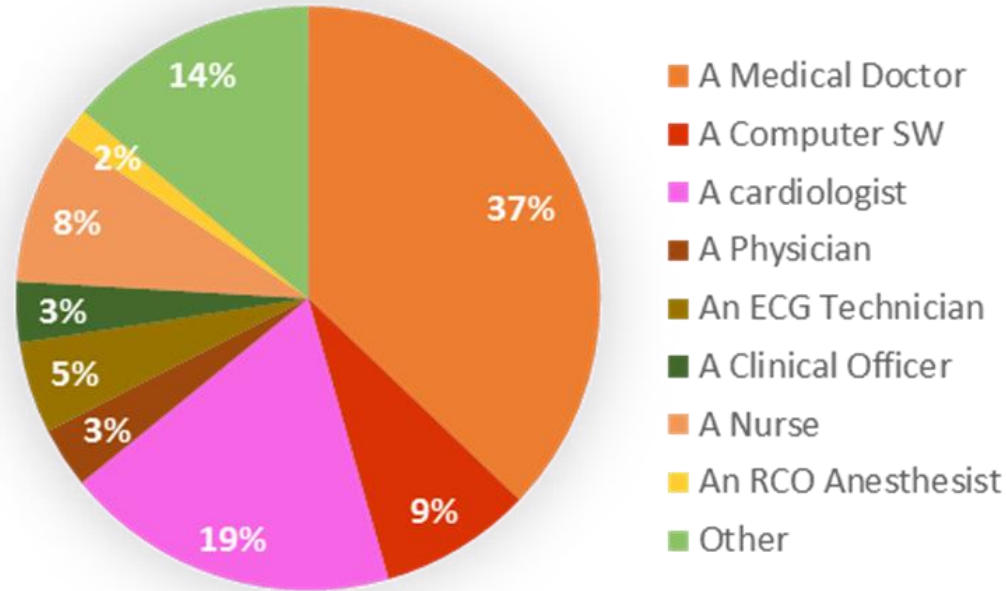
of facilities in survey: 50

ECG Availability

Kenya Public Facilities	ECG Availability
Level1	NA
Level2	0%
Level3	0%
Level4	27%
Level5	100%
Level6	75%

An online survey on the use of the 12-lead electrocardiograph amongst East African health-care professionals.

Routine Performance of ECG Interpretation





LevMed Mobile ECG

12-lead Diagnostic ECG
ANYTIME, ANYWHERE, BY ANYONE





Routine

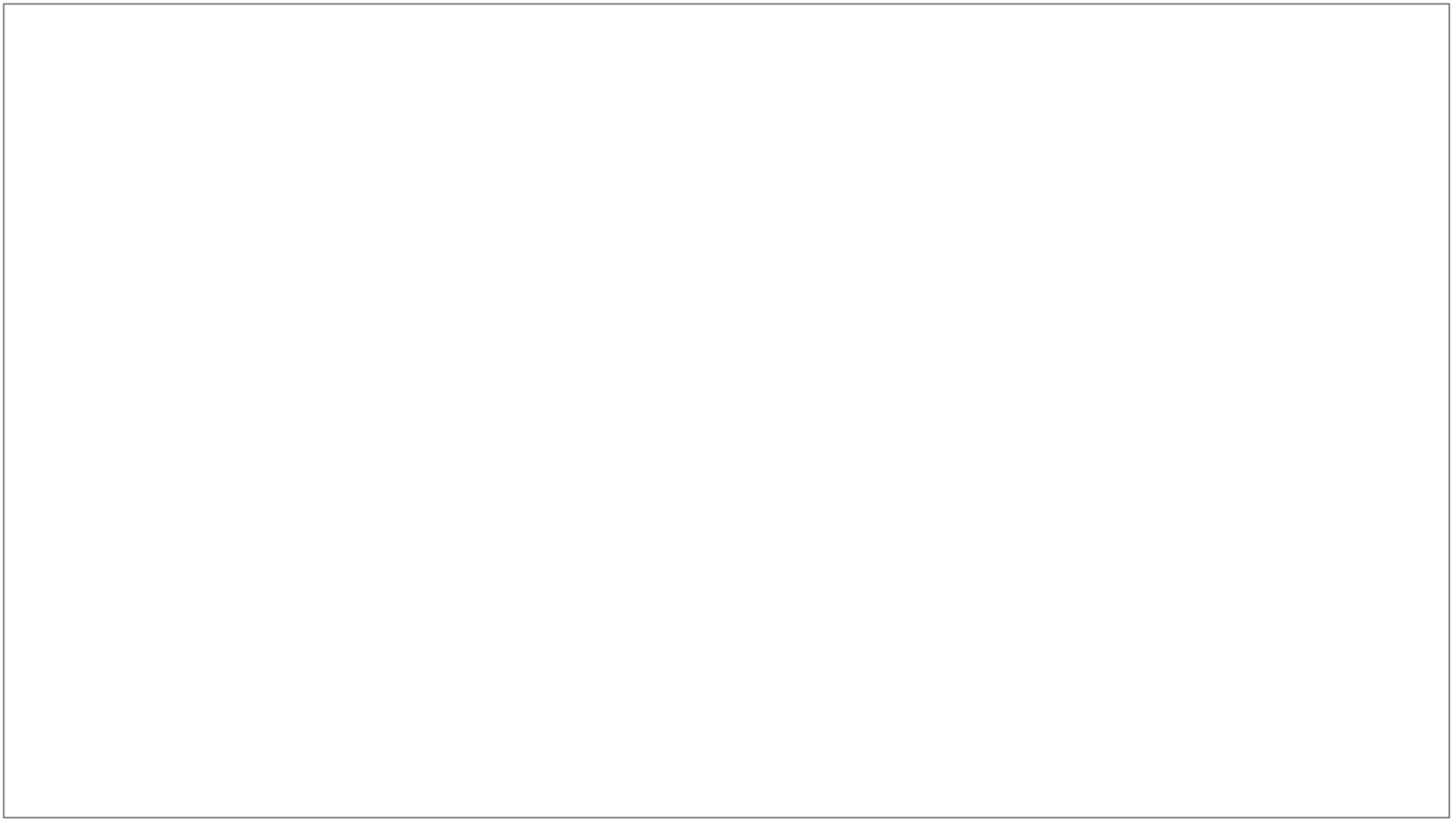


Screening



Emergency





Application

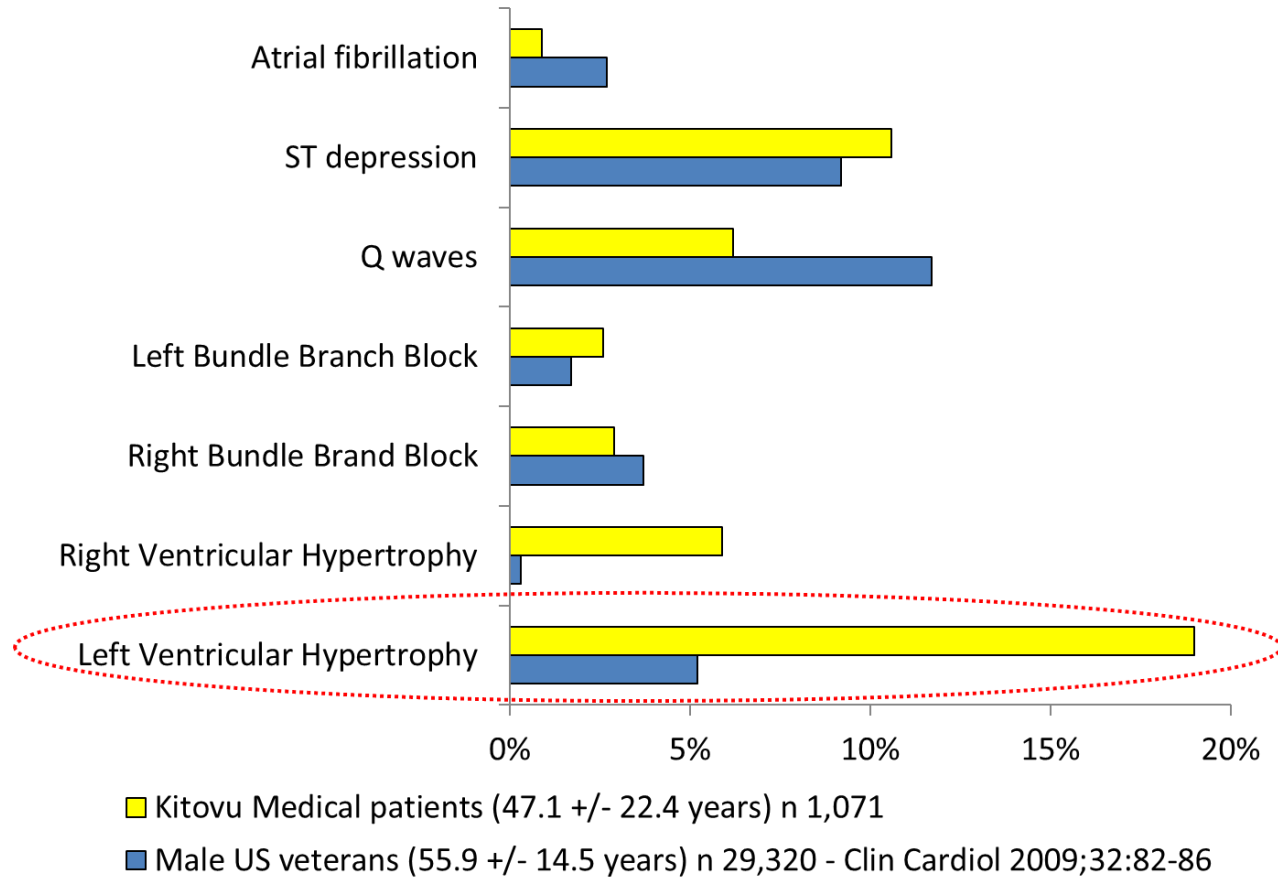
Kitovu Hospital, Masaka, Uganda



Almost 2,000 ECG assessments in less than 10 months in a rural hospital.



Kitovu Hospital, Masaka, Uganda



IMF OUTREACH, Lukuli Parish, Kampala. Feb. 2018

6 Hours, 60 Patients



So... what's the point of Innovation?

Simple
Cost Effective
Enables Task Shifting

ANYTIME, ANYWHERE, BY ANYONE





Thank you very much!

Asante Saana

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