Wonca Rural Health

The Wonca Working Party on Rural Practice

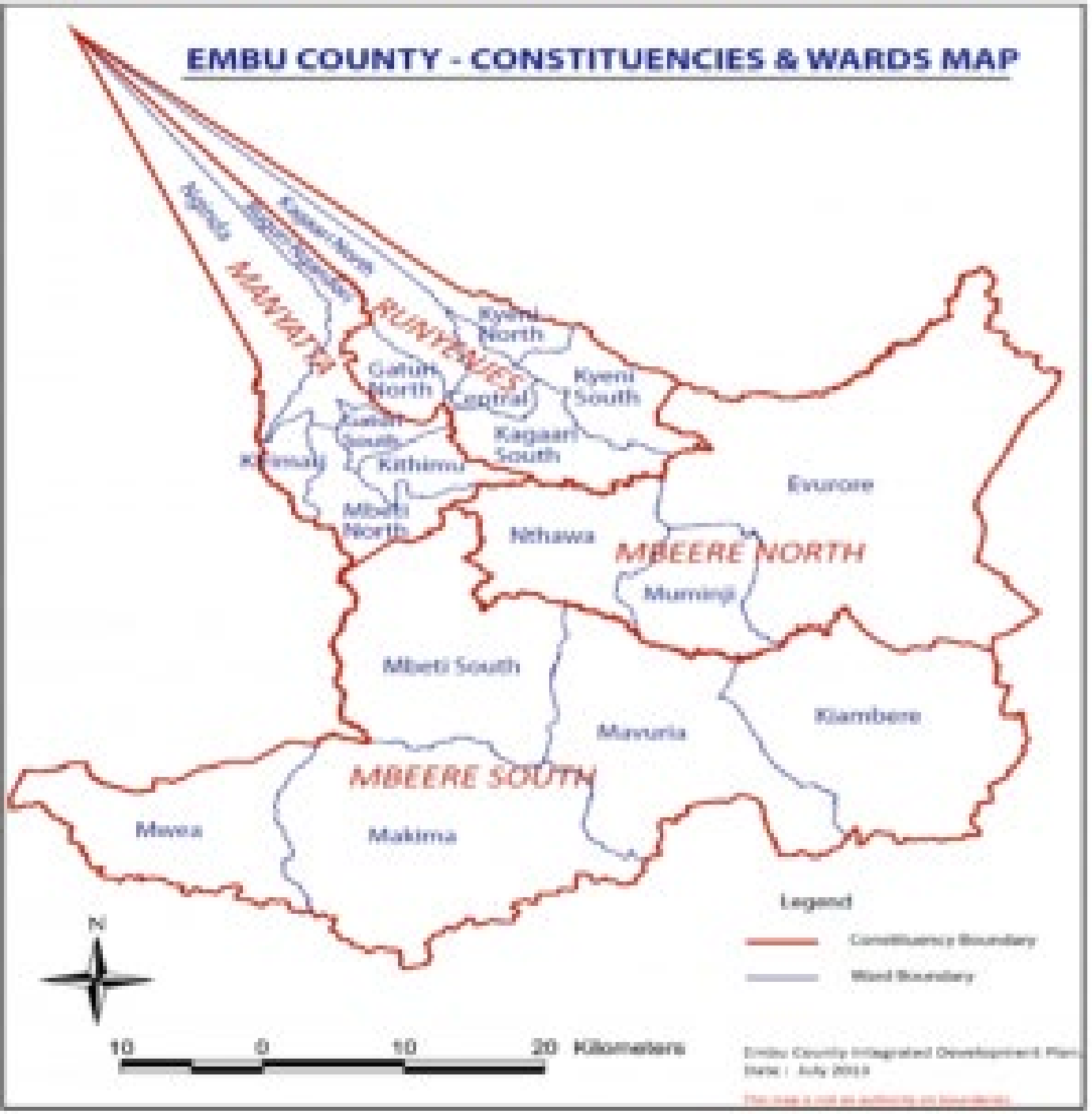
Harnessing health information systems to strengthen healthcare in rural and remote areas

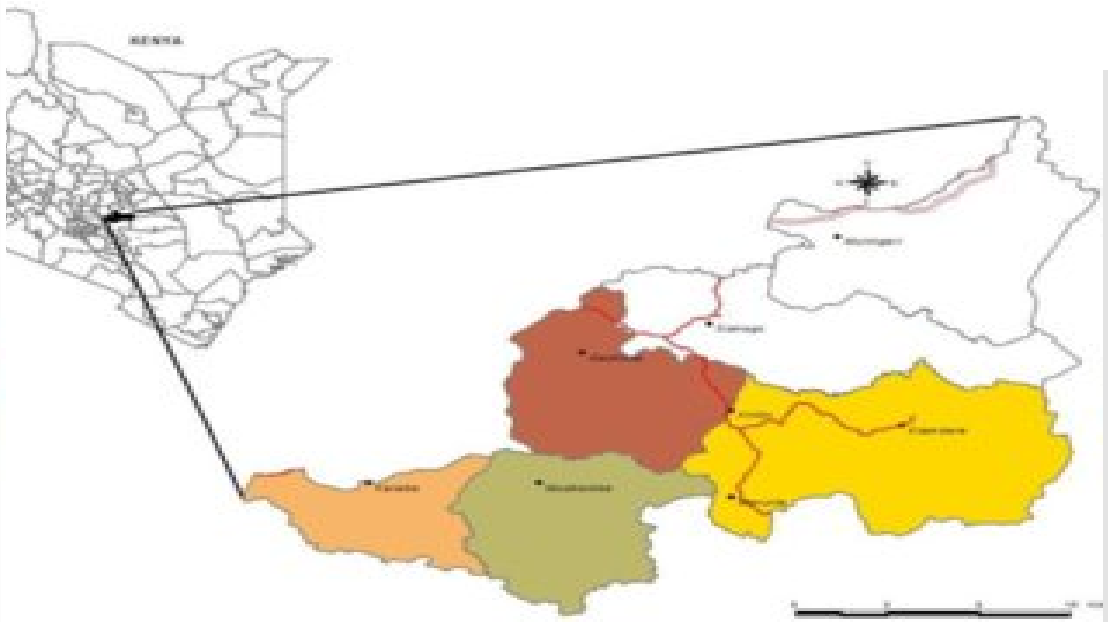
Dr. Mercy Nafula Wanjala

WONCA Rural Seeds Ambassador, Africa Region

Rural Seeds

sowing the seeds for the future of rural health





Location of Mbeere South Sub-county

Kiritiri Health Centre

Catchment Pop- 25,000

1 medical officer

1 clinical officer

16 nurses

What is the data for?

- More health workers-1 medical officer, 1 clinical officer, 16 nurses for inpatient and outpatient 24/7 coverage
- Expand our services-surgery/radiology
- Facility upgrade-Level 4 to serve as a referral centre

What data do I need?(contextualization) Robust but simple

24HR HOSPITAL REPORT KIRITIRI HEALTH CENTER 26TH JULY 2016

Patient workload in the various departments

DEPARTMENT	WORKLOAD	STAFF
OUTPATIENT	109	1 clinical officers 1 Nursing officer
INPATIENT	2	1 Medical officer 1 Nursing officer
CCC	20	1 Nursing officer
MCH	108	7 nursing officers(5-morning,2-afternoon)
MOPC	10	1 Medical officer
PHYSIOTHERAPY	5	1 physiotherapist
DELIVERIES	0	
TOTAL	**254**	**14**

Referrals in- 0
Referrals out- 1 -15 year old with poor progress of labour.
Referred to Kerugoya district hospital maternity for caesarean section. Outcome- 3.4kg live male infant. Both mother and infant are stable

Total revenue collection: kshs. 2500

MINISTRY OF HEALTH

Telephone:
Fax:
Telegrams:

OFFICE OF THE
MEDICAL SUPERINTENDENT
KIRITIRI HEALTH CENTER
P.O. BOX 141
KIRITIRI

24HR HOSPITAL REPORT KIRITIRI HEALTH CENTER 7TH OCTOBER 2016

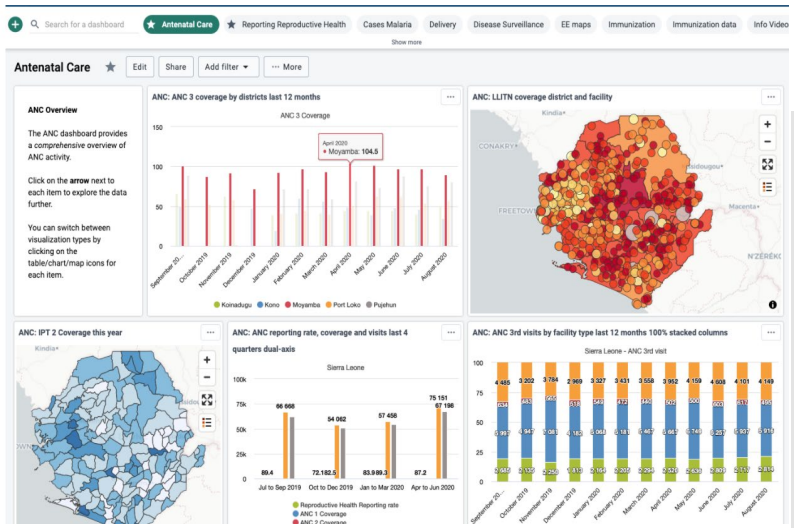
Patient workload in the various departments

DEPARTMENT	WORKLOAD	STAFF
OUTPATIENT	59	1clinical officer 1 Nursing officer
INPATIENT	3	1 medical officer
CCC	46	1 Nursing officer
MCH	61	5Nursing officers 1 S. Clinical officer
PHARMACY	-	1 pharmacist 1 pharmtech
PHYSIOTHERAPY	3	1 physiotherapist
LABORATORY	21	2 labtechs
DELIVERIES	2	-
TOTAL	**195**	**15**

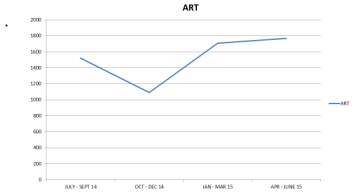
Referrals in- 0
Referrals out- 0

Total revenue collection: kshs. 3560

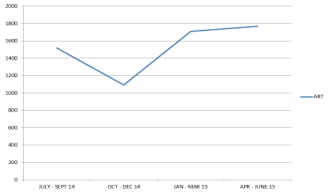
Dr. Wanjala M.N.
Medical superintendent
Kiritiri Health Center



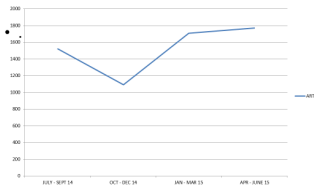
ART PATIENTS



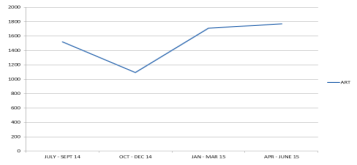
DELIVERIES



FULLY IMMUNIZED



4TH ANC VISITS



Whose data is it?

- Community-HMC
- Health care workers
- Administrators
- Records information officer

What story does the data tell?(Analysis)

- Many patients- few health workers
- High volume MCH
- Active inpatient- need for 24/7 nursing coverage
- Need for C- sections- doctor available- no theatre
- Facility is a referral centre- no capacity to serve as one

Implementation and results

Kiritiri Health Centre 6 months later

- 6 general clinical officers
- 1 paediatric clinical officer
- 1 ophthalmology clinical officer
- 23 Nursing officers
- Theatre construction project underway
- Radiology department project at planning stages

Summary

- Keep collection and collation robust but simple
- Ownership
- Integration
- Contextualization
- Analysis- what story does this data tell?
- Implementation-use it to bring change
- Innovation

Innovation- Health E Net Kenya

ELSEVIER

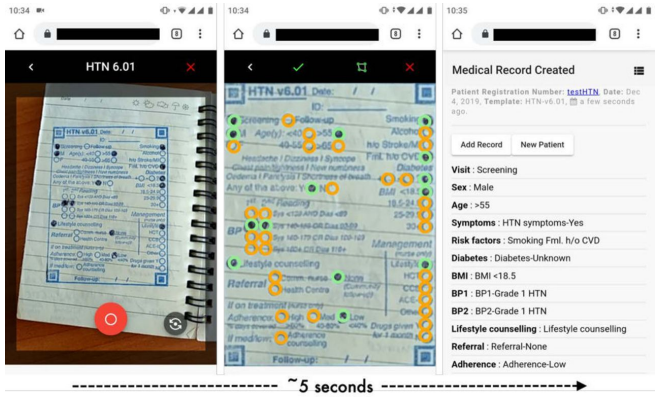
International Journal of Medical Informatics

Volume 114, June 2018, Pages 121-129

Rubber stamp templates for improving clinical documentation: A paper-based, m-Health approach for quality improvement in low-resource settings

Bernadette Kleczka [a, b], Anita Musiega [c], Grace Rabut [a], Phoebe Wekesa [c], Paul Mwaniki [d], Michael Marx [b], Pratap Kumar [a, c]

Show more



PDF

Global child health

I've got 99 problems but a phone ain't one: Electronic and mobile health in low and middle income countries FREE

Pratap Kumar [1, 2], Chris Paton [3], Doris Kirigia [4]

Correspondence to Dr Pratap Kumar, Health-E-Net Limited, P.O. Box 357-00606, Nairobi, Kenya; pratap@health-e-net.org

Abstract

Mobile technology is very prevalent in Kenya—mobile phone penetration is at 88% and mobile data subscriptions form 99% of all internet subscriptions. While there is great potential for such ubiquitous technology to revolutionise access and quality of healthcare in low-resource settings, there have been few successes at scale. Implementations of electronic health (e-Health) and

Commentary

Digital ≠ paperless: novel interfaces needed to address global health challenges

Pratap Kumar [1, 2], Stephen M Sammut [3], Jason J Madan [4], Sherri Bucher [5], Meghan Bruce Kumar [2, 6]

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http://dx.doi.org/10.1136/bmjgh-2021-005780

References

- https://www.health-e-net.org/
- https://dhis2.org/

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