

**FGAI4H-N-055-A05**

E-meeting, 15-17 February 2022

**Source:** WG-CO

**Title:** Att.5 - Electronic medical records platform made in Africa for Africa

**Purpose:** Discussion

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**Abstract:** This PPT contains a presentation from the "Catalysing Digital and AI Innovations for Health: Sharing Experiences from Africa and Asia" series.



**Digital platform  
improving patient  
outcomes, enabling  
affordable health  
access**



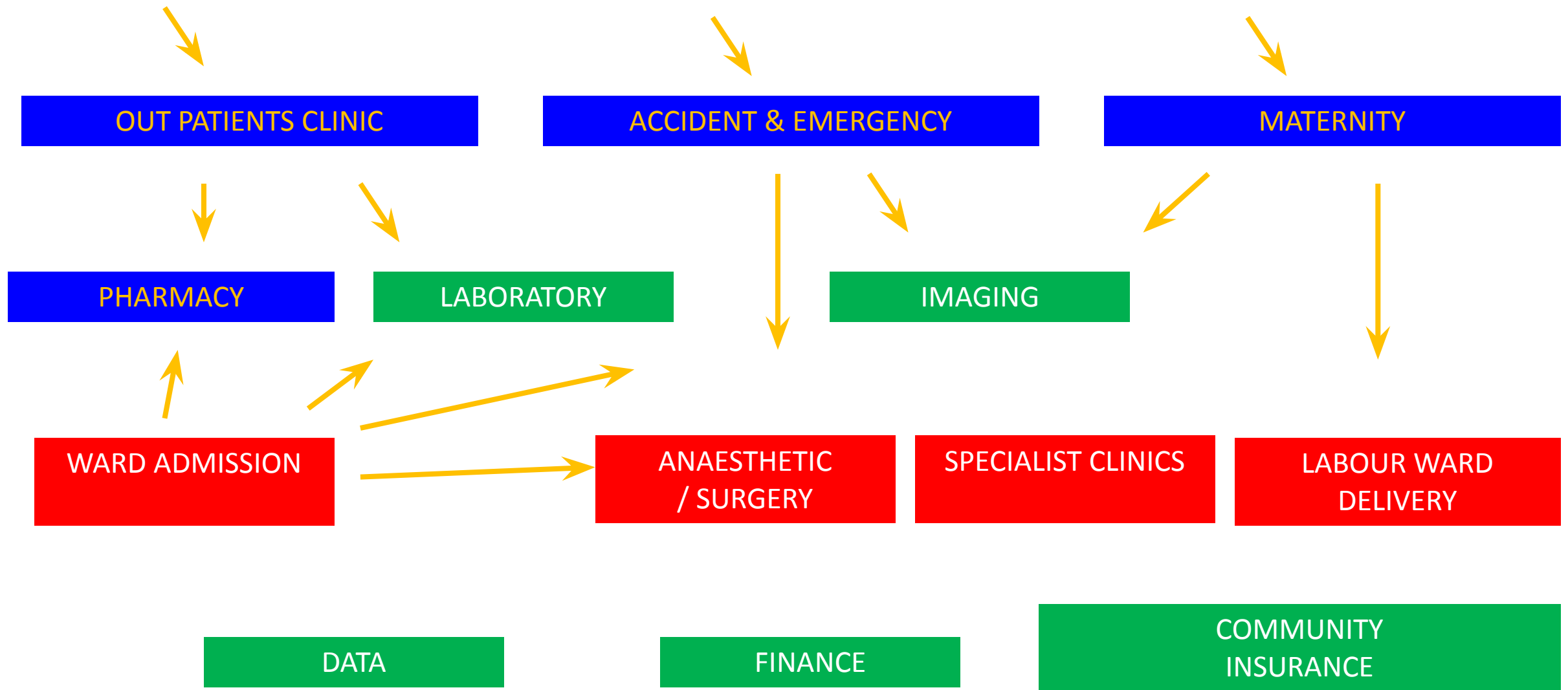


The background of the slide is a photograph of a vast archive of paper patient records. The records are organized into numerous rows on wooden shelves, each bundle tied with a string and labeled with a different color. The colors include red, green, blue, yellow, and purple, creating a vibrant, multi-colored wall of paper. A large, semi-transparent white circle is overlaid on the right side of the image, containing the text.

## Challenge

**>70% of hospitals  
in Uganda still  
keep paper patient  
records- MOH**

#Data saves lives



**Fully integrated EMR, Patient safety**

# Traction

✓ Coverage	✓ Data	✓ Users	✓ Impact
34+ hospitals in Uganda are already using the Stre@mline EMR	500,000+ patient records, 850,000+ patient visits.	2500+ clinical and administrative staff use the platform daily	Huge impact on patient outcomes



5-8% of all children discharged (depending on age) will die within 6 months of discharge.



<https://www.bcchr.ca/smart-discharges>







# MEDICAL BILL

Bill # 5218475

Customer ID 6556445

Date 15.08

Terms Net 30 days

Due Date

September, 15

Charges

238.75

30.23

Total

268.98

Description

Charges this month

State Tax

**FINAL NOTICE**

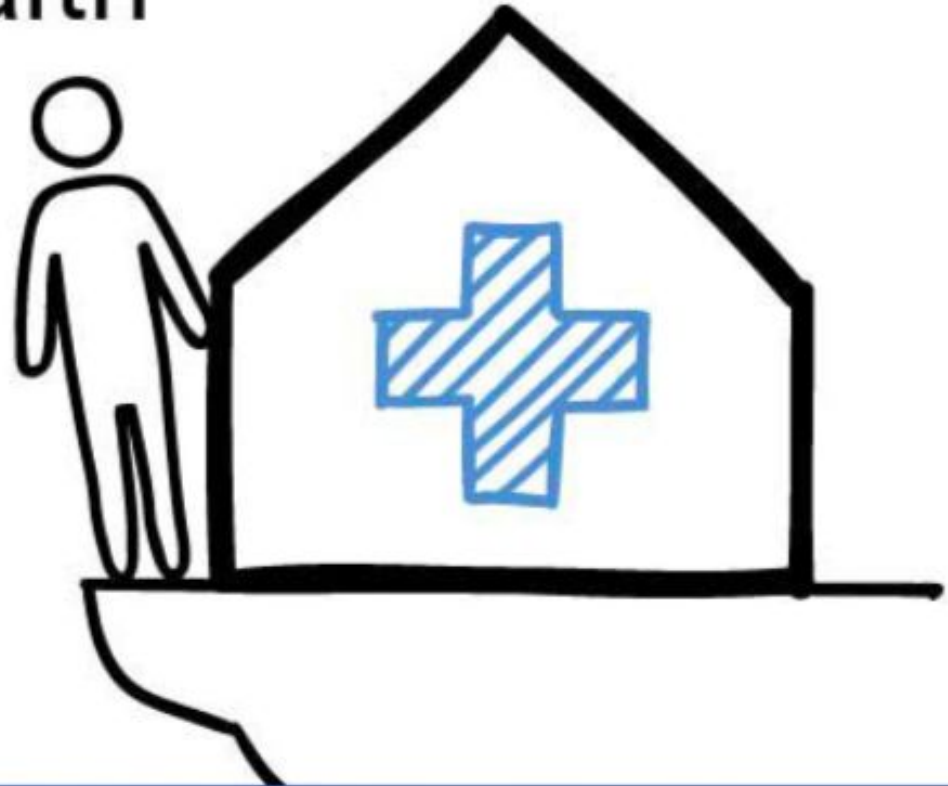






# 100 million people

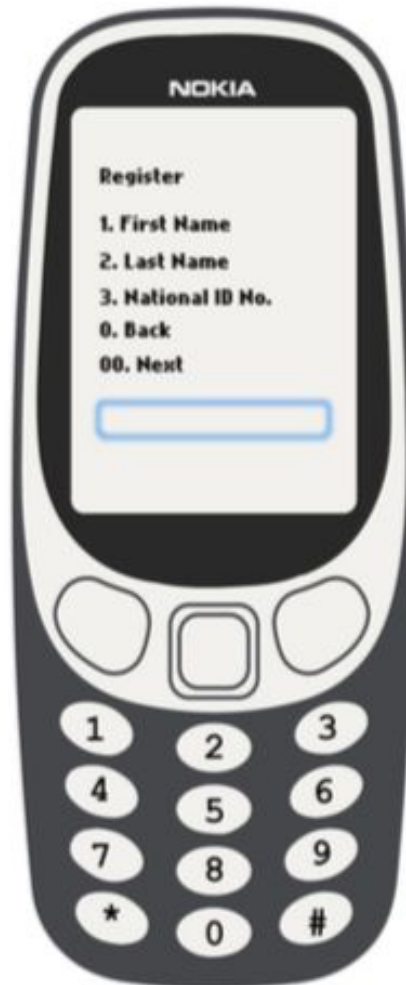
fall into extreme poverty  
each year due to health  
expenses





**About 30% of households in Africa have to borrow money or sell their assets to pay for health care.**

# USSD app to save and pay premiums





# E-health platform for insurance administration



11:22:08 AM 30th June 2021

Test C.H.I

Home

C.H.I Insurance

Sign Out

Insurance Reports

Dashboard / Insurance Reports

## INSURANCE MEMBERS

- New insurance member
- Add existing patient
- View insurance members
- Inactive insurance members

## INSURANCE GROUPS

- New insurance group
- View insurance groups
- Inactive insurance groups

## HEADS OF FAMILY

- New family head
- View heads of family
- Inactive family heads

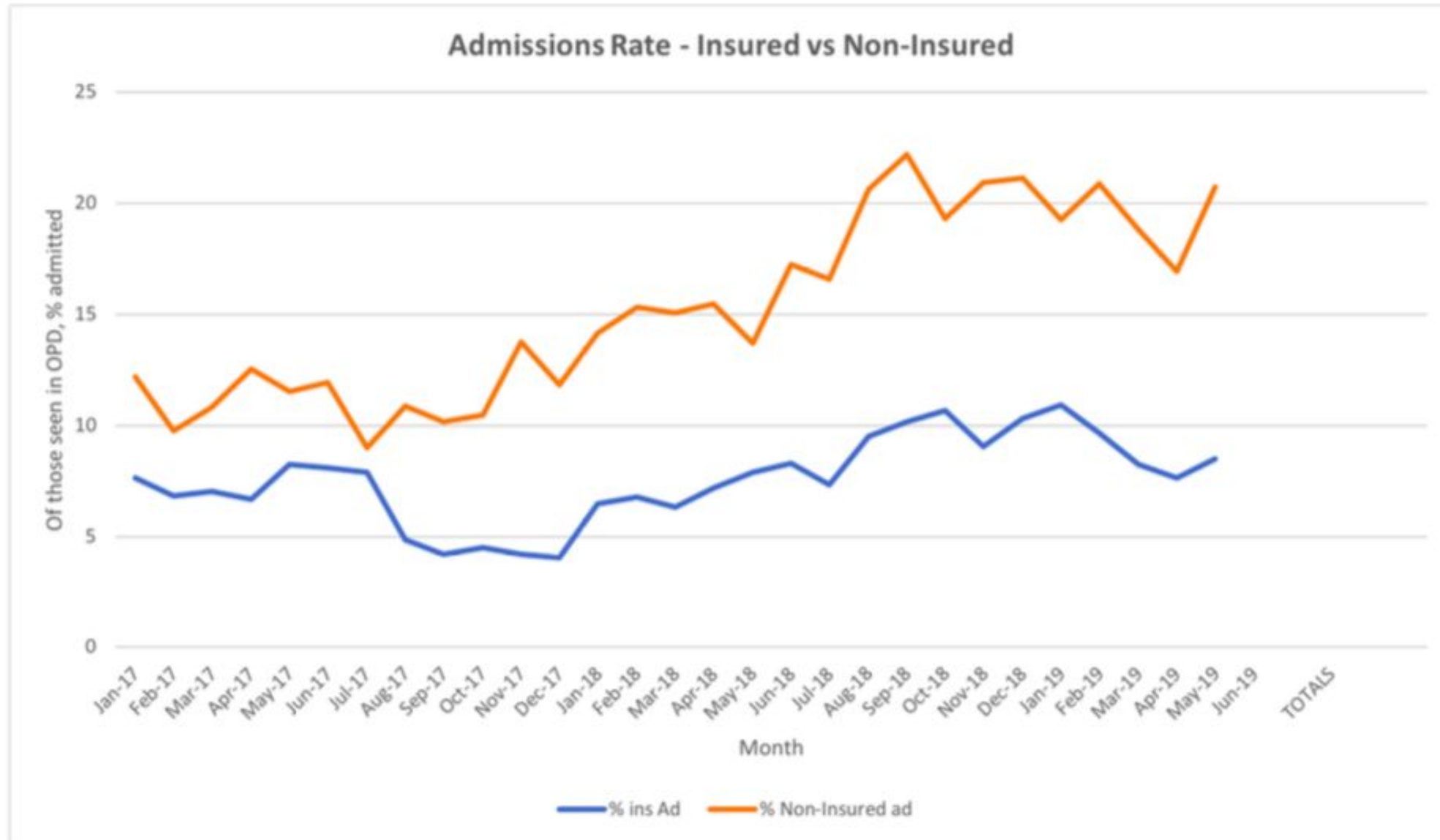
## PREMIUMS

- New premium
- Premium receipts
- Renew Premium

## INSURANCE REPORTS

- Insurance Almost Expiring
- Drugs Covered Insurance
- Expired Insurance
- Premiums Report
- Cumulative Premiums Report
- Income Received
- Income Vs Expenditure
- Insurance Expenditure
- Group Income Vs Expenditure

# 1.0: Application of A.I: Forecasting

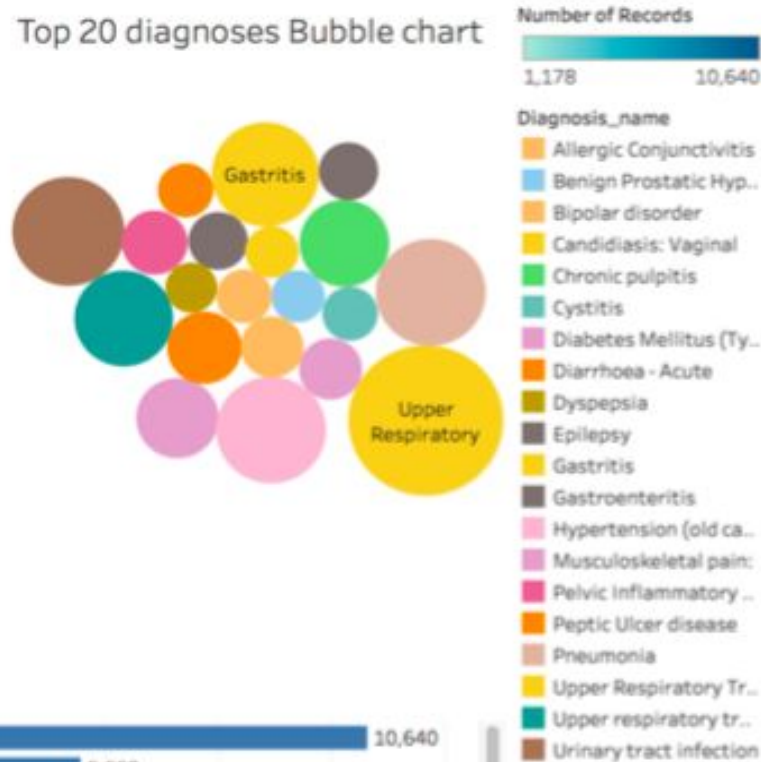


# 2.0: Application of A.I: Clustering

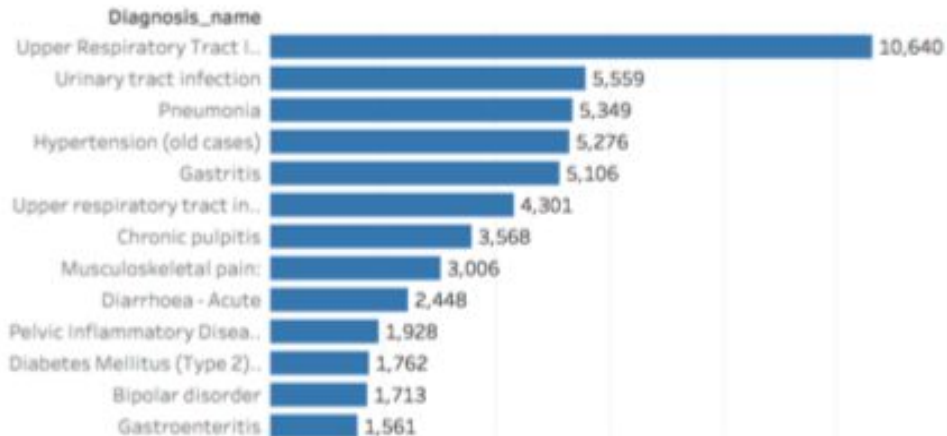
Top 20 Diagnoses

Diagnosis_name	
Allergic Conjunctivitis	1,380
Benign Prostatic Hypertr..	1,239
Bipolar disorder	1,713
Candidiasis: Vaginal	1,270
Chronic pulpitis	3,568
Cystitis	1,413
Diabetes Mellitus (Type 2..	1,762
Diarrhoea - Acute	2,448
Dyspepsia	1,178
Epilepsy	1,532
Gastritis	5,106
Gastroenteritis	1,561
Hypertension (old cases)	5,276
Musculoskeletal pain:	3,006
Pelvic Inflammatory Dise..	1,928
Peptic Ulcer disease	1,364

Top 20 diagnoses Bubble chart



Top 20 diagnoses Bar chart





# 3.0 Application of A.I: Fraud Detection

## Shs4.9b reported in insurance fraud

FRIDAY OCTOBER 25 2019



Listed. Medical insurance schemes are listed as some of the components that were faced with fraud in the period between January and September 2019.

### Summary

- Fraudulent insurance claims. Figures from Insurance Regulatory Authority (IRA) indicate that fraudulent insurance claims increased from Shs3b in 2018 to nearly Shs5b in 2019, from the beginning of the year to September.

Fraudulent claims worth Shs4.9b were reported to Insurance Regulatory Authority during the period between January and September 2019.



### Classification Report

[Click Here To Predict If Claim is Fraudulent](#)

The Insurance Claim MAY BE fraudulent

# Traction

✓ Experience	✓ Coverage	✓ Impact
4 years of experience administering the largest and most successful scheme in Uganda at COU Kisiizi Hospital	3 hospitals have already signed up to Stre@mline Ubuntu for community health insurance.	52,000+ insurance beneficiaries

# Scaling across Uganda and later, Africa

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**“No one should die or sell their assets  
because they can’t afford  
healthcare”**

**Samuel Mugisha**

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**1 NO  
POVERTY**



**3 GOOD HEALTH  
AND WELL-BEING**

