



Vodafone's IoT

Solutions

Improving lives through connectivity



- **Smart Cities and beyond: Smart Communities**
- **M-Pesa as the base for Innovation**



23.4m

Active customers
(30 day)

3.4bn

Transaction
processed in FY
14/15

18%

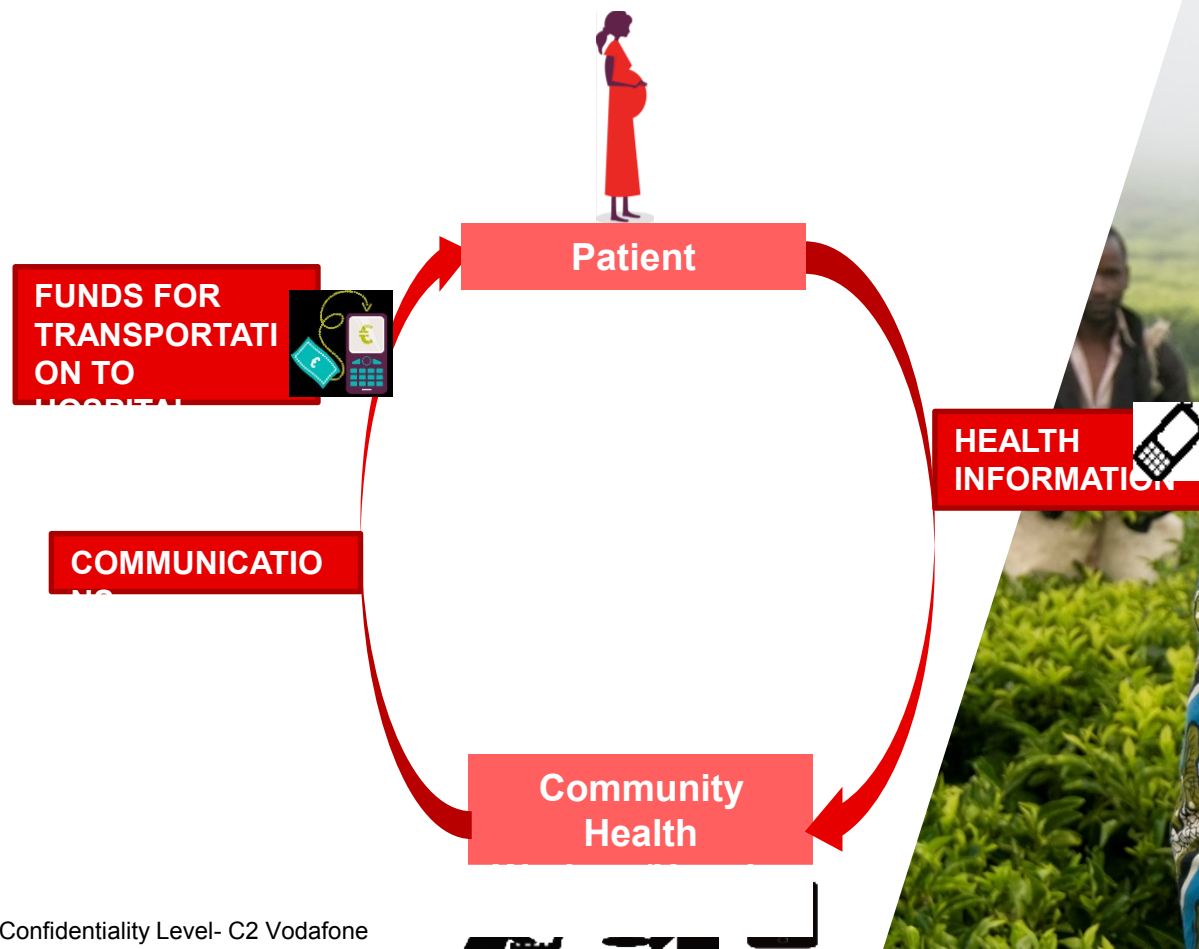
Year-on-year
customer growth

273k

M-Pesa active
outlets



Facilitating access to Maternal Health, Tanzania



The Facts

430%
Increase in
annual surgeries

3,000+
Fistula surgeries
performed

mVaccination in Mozambique



- Integrate health
- Statistics
 - Supply Chain Management
 - SDG monitoring
 - Targeted financial assistance



Mobile patient registration

- ID assigned
- Vaccination record created



Local health facility:

- Digitalises records
- SMS communication with patient
- SMS appointments
- Supply chain management



Central Administration

- Analytics
- SDG monitoring
- Supply Chain Management



Improving Management **Connected Farmer**

Component	Description	Value created
Farmer Registration 	Mobile account and farm details are recorded, creating a valuable database of farm suppliers	• Improved workforce management and reduced risks through better oversight of the value chain • Enables targeted communication based on location
Farmer Communication 	SMS for farmers to alert them to a range of topics, including efficient practices, weather, training and important customer information, or collect farmer responses	• Greater engagement of farmers and training enabling enhancement of crop quality and productivity • Higher productivity driven by data supplied by farms
Payments and receipts 	Mobile good receipting with weight, quality, price and payment schedule. Use of mobile money to pay farmers,	• Transparency and trust • Decreased risk of fraud • Reduced costs by removing cash handling • Record history to help access to credit
Loan Management 	Disbursement and repayment of agribusiness loan capital through M-Pesa	• Access to finance for smallholders enabling scale • Easier administration and tracking of loan repayment
Traceability 	Track produce from buying/aggregation centres and remedy quality issues with individual farmers	• Improving quality via identifying farmers with lower yield and identifying non compliance • Building trust

Improving Livelihoods **Connected Farmer**



- Increased or protected income via:
 - Reduced opportunity for fraud
 - More accurate weight measurement
 - Visibility of market prices reduces risk of selling to opportunist middlemen
 - Better access to information to increase productivity
- Electronic records to build access to future capital
- Greater security of electronic money versus cash
- Reduced travel time (where applicable) to repay loans
- Reduced calls to extension officers
- Increased agriculture income leads to more productive use of assets, e.g. paying school fees

Thank you

Private sector can play a role in improving **social service delivery**, investing in **infrastructure**, R&D, early-stage technology deployment & best practices for **technology diffusion** to low-income settings *

**Sachs and Traub (2014). Financing Sustainable Development: Implementing the SDGs through Effective Investment Strategies and Partnerships.*

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