

# USE CASE

Financing and delivering better care for all:

Capitalizing on the power of digital and data for health in Africa



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# Financing and delivering better care for all: Capitalizing on the power of digital and data for health in Africa

Basel, September 2023

Pharm<sup>+</sup>Access



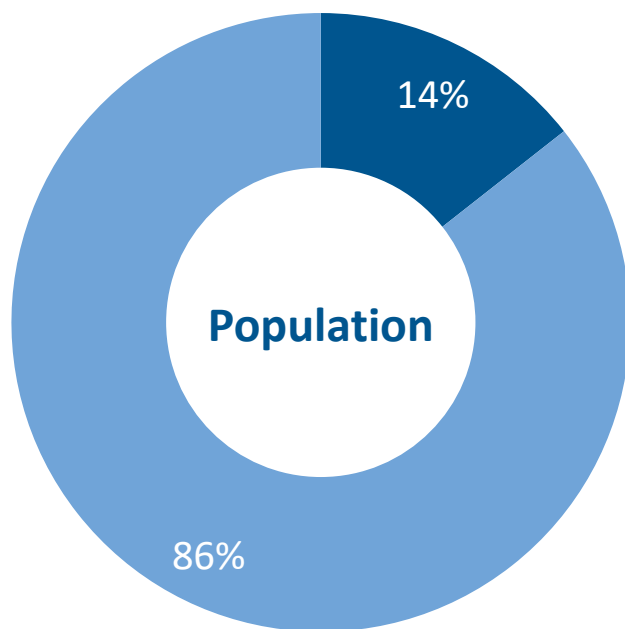




**The problem** | Sub Saharan Africa carries 21% of the global disease burden, yet has only 2% of global health care financing

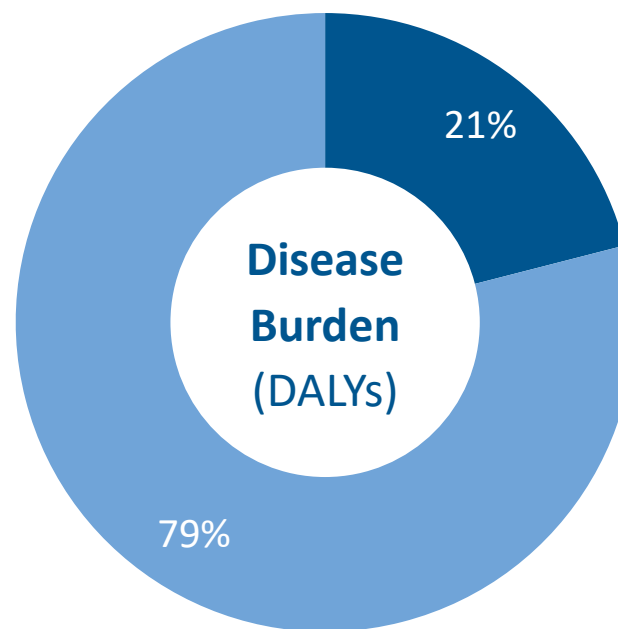
**> 14%**

of the world's  
population



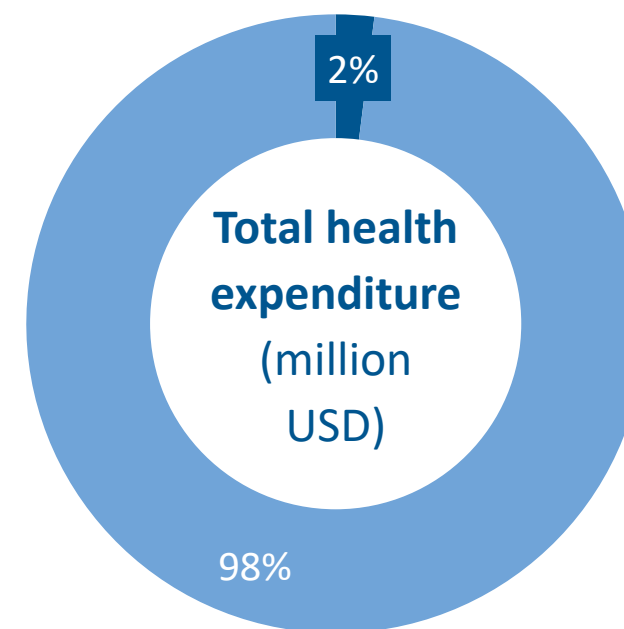
**21%**

of the total global  
burden of diseases  
(48% of communicable diseases)



**<2%**

of global total health  
expenditure



■ Sub Saharan Africa ■ Rest of the world



This digital revolution has the potential to disrupt health markets and help achieve UHC

The world is witnessing a revolution, driven by exponential increase in processing power of computers



The possibilities of billions of people connected by mobile devices, with unprecedented processing power, storage capacity, and access to knowledge, are **virtually unlimited**

- Mobile technologies and services generated **9% of GDP** in SSA and 650 000 jobs (2019)
- **High mobile penetration across the continent:**
  - 477 mln unique mobile phone subscribers (45% of population); Women are 8% less likely than men to own a mobile phone
  - 469 mln people have registered mobile money accounts
  - 44% of total connections are smartphones

In 2016 we launched M-TIBA

Welcome to M-TIBA.  
Please enter your  
PIN or enter 1 if  
you have forgotten  
your PIN

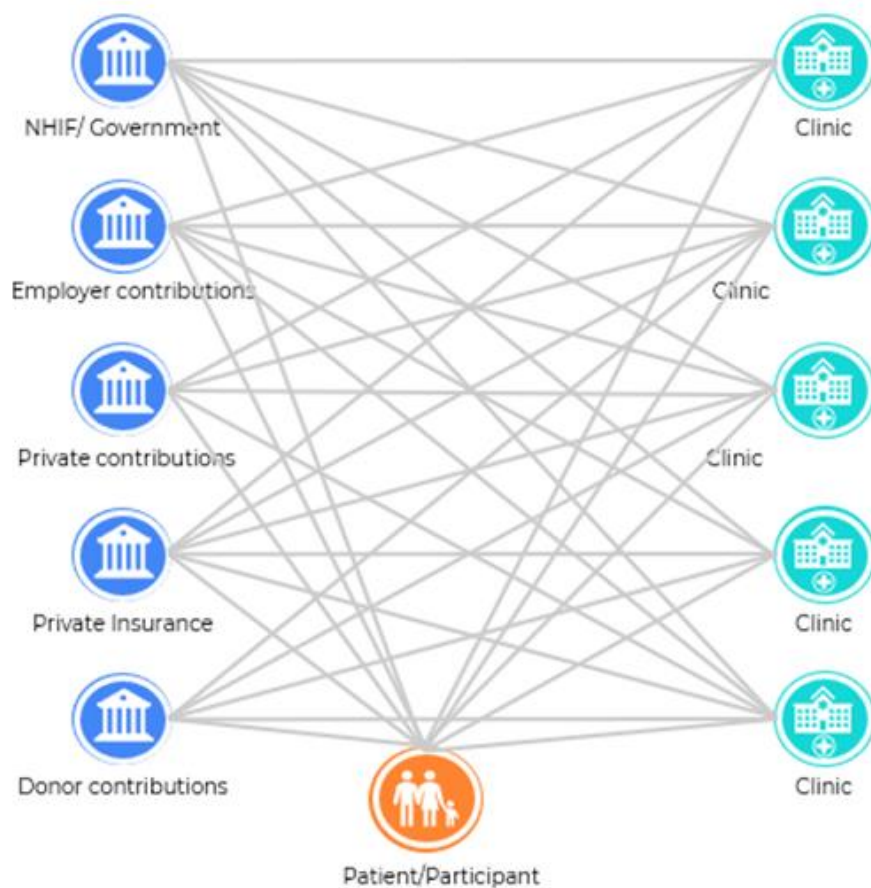
In partnership with...



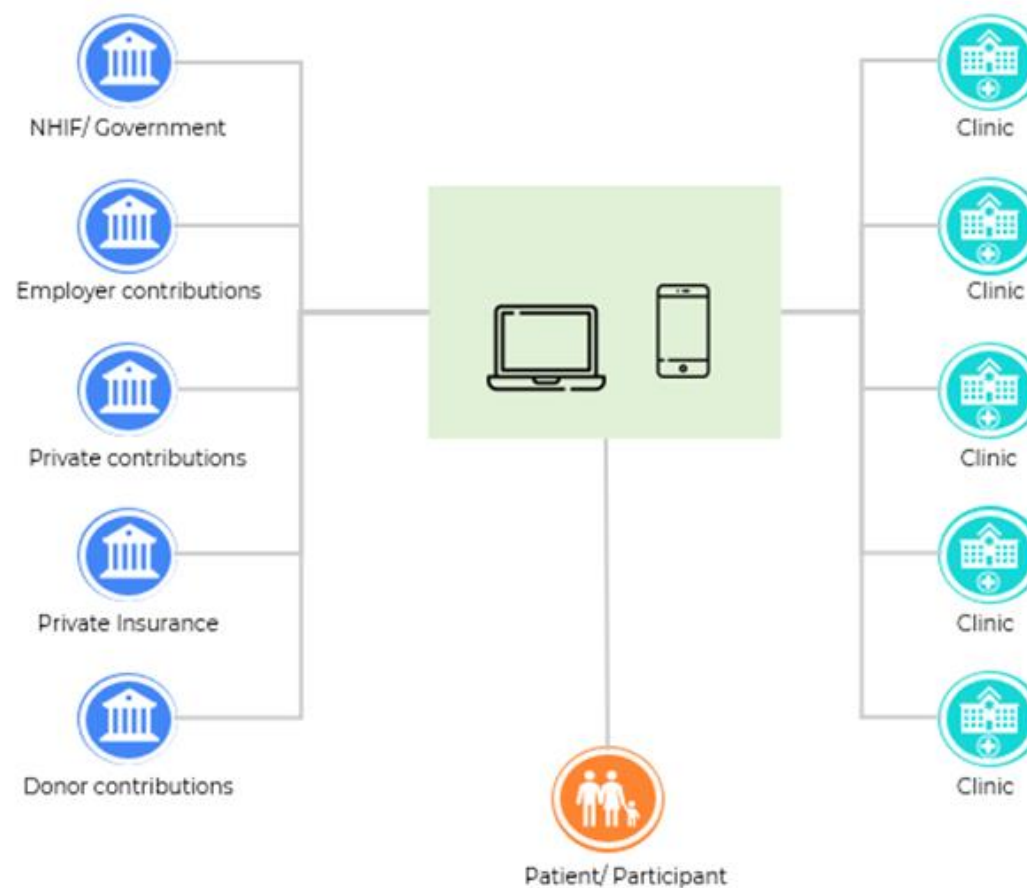
**Safaricom**

This digital approach removes market inefficiencies and increases trust by connecting providers, payers and participants

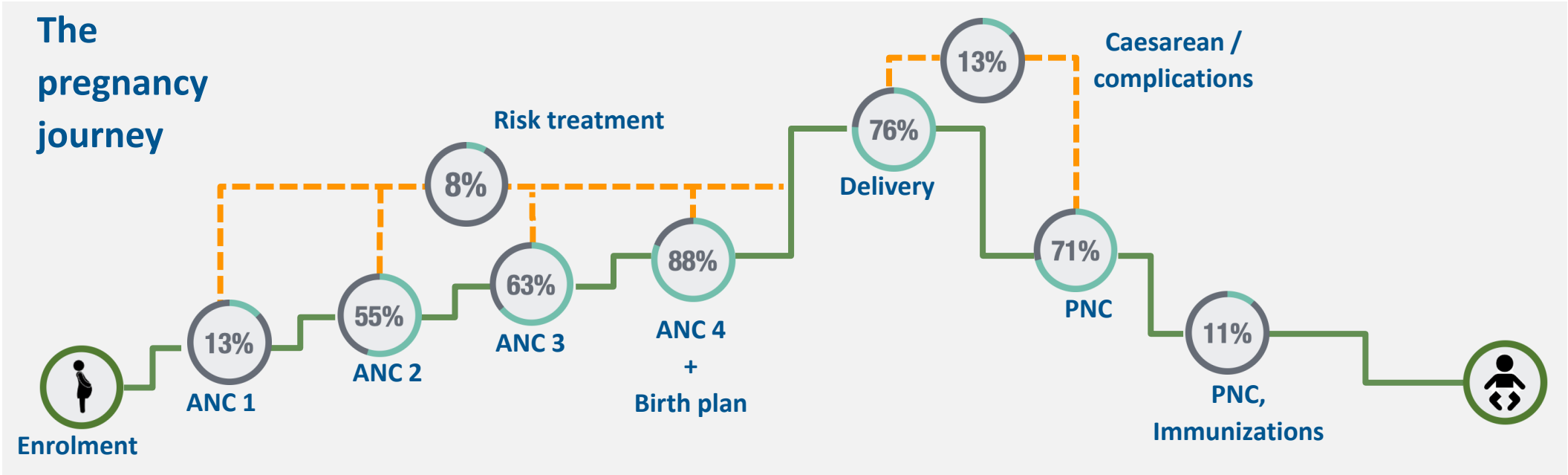
**From:** A traditional analog healthcare ecosystem











**To:** A simplified and digitally integrated healthcare ecosystem, lowering cost of care and increasing transparency and trust



Risk stratification | 8 key metrics inform providers, payers and patients



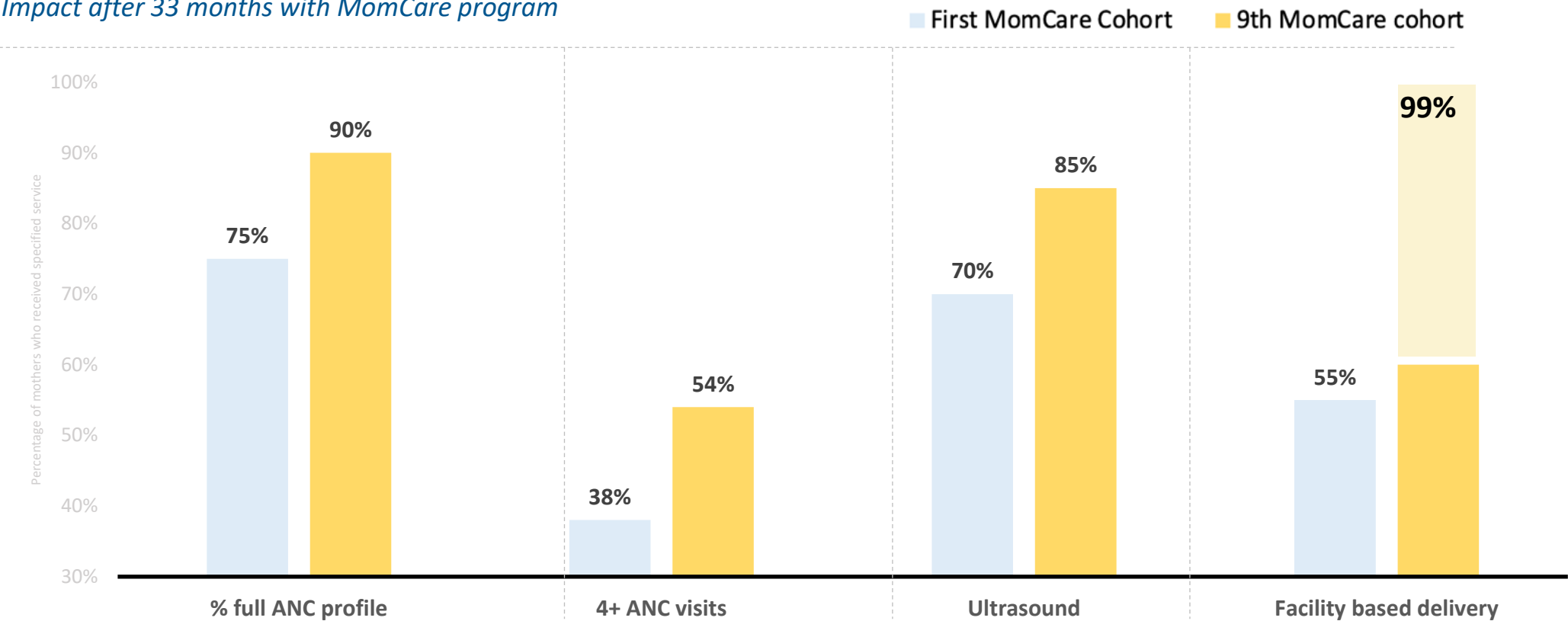
 1. Equitable access	 2. Timely enrolment	 3. Timely reviews	 4. Effective risk treatment	 5. Birth planning	 6. Delivery	 7. Delivery complications	 8. Outcomes
<input type="checkbox"/> % Medical risk <input type="checkbox"/> % Teenager	<input type="checkbox"/> % enrolment < 14 <input type="checkbox"/> % enrolment < 28	<input type="checkbox"/> % timely visits <input type="checkbox"/> % ultrasound < 28	<input type="checkbox"/> Senior review or follow-up < 2 wk	<input type="checkbox"/> % Called by clinic	<input type="checkbox"/> % in network delivery	<input type="checkbox"/> % Caesarean	<input type="checkbox"/> % bad outcomes



..., we observe improvements in key clinical services such as ultrasound tests and facility-based delivery without any significant cost increase

## Utilization Increase in MNCH Services

Impact after 33 months with MomCare program



# Benefits of connectivity

Individual agency, more efficient primary process, innovation and value creation


Trust of  
originators  
*(agency and  
participation)*

Efficiency &  
effectiveness

## Primary process

## Re-use of information

**1. Individual** agency on my (privacy sensitive) data



Delegate data sharing to my doctor (GP)

Choice to participate in sharing data for research


**4. Collective value creation** and redistribution to originators

Access to services in exchange for access to certain data




€ for data in collective-private partnership

**2. Efficient primary process**



Fewer medical errors


Better referrals




Great emphasis on prevention & well-being

Improved resource allocation

**3. Collective learning** and innovation



R&D for new medicines or tests



New healthcare models (incl. AI)

Access 



# Open for partnerships!

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*Winner Commonwealth Awards 2020*