

# From innovation to implementation: Empowering Health Systems through Digital Health

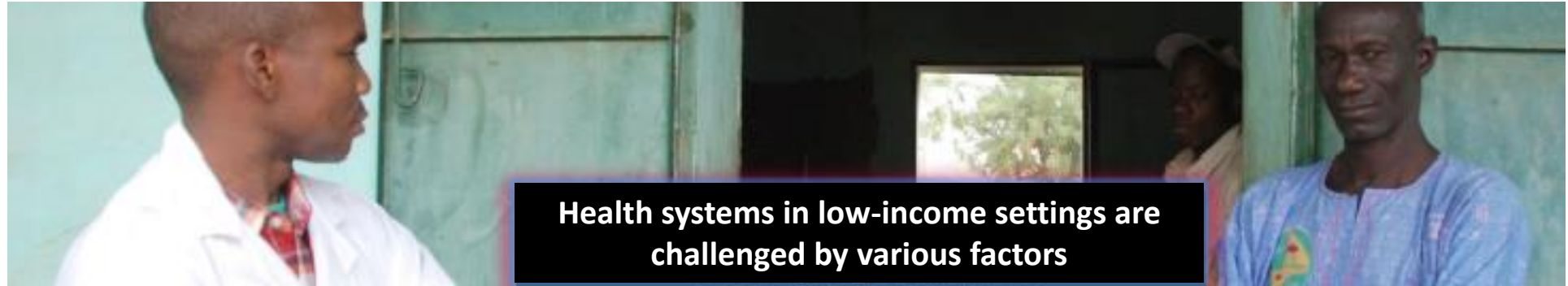
QoL Summer School 2024:

Digital innovations for a Happier, Healthier Aging: A transdisciplinary training



Dr. Mirana Randriambelonoro  
July 05th, 2024





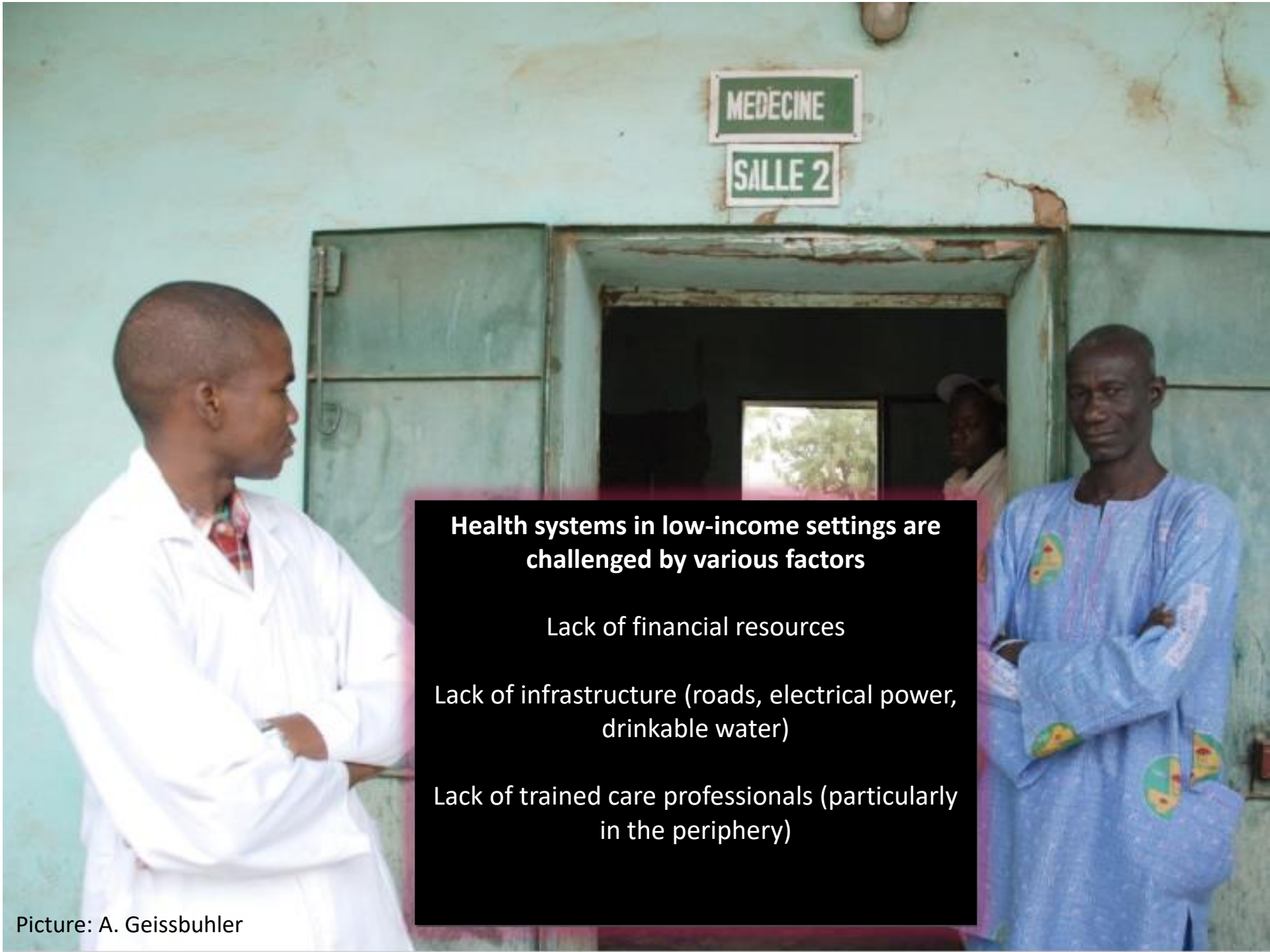
- At least **half of the world's population does not have full coverage with essential health services.**<sup>1</sup>
- Despite progress, **large inequalities persist: e.g. basic maternal and child health services** in low- and lower-middle-income countries.<sup>1</sup>
- The **shortage of health professionals** and facilities is significant.<sup>2</sup>
- Rising incidence of **non-communicable diseases (NCDs)** and a **globally growing geriatric population** are estimated to generate a demand for 40 million additional health workers globally, and a shortfall of 18 million health workers by 2030 .<sup>3, 4</sup>

<sup>1</sup> World Health Organization. *Tracking Universal Health Coverage: 2017 Global Monitoring Report*. World Health Organization, 2017.

<sup>2</sup> Critical threshold = 23 doctors, nurses and midwives per 10,000 inhabitants.

<sup>3</sup> Global Burden of Disease Study 2017. The Lancet

<sup>4</sup> UN Commission: New investments in global health workforce will create jobs and drive economic growth. 2016



**Health systems in low-income settings are challenged by various factors**

Lack of financial resources

Lack of infrastructure (roads, electrical power, drinkable water)

Lack of trained care professionals (particularly in the periphery)







digital health



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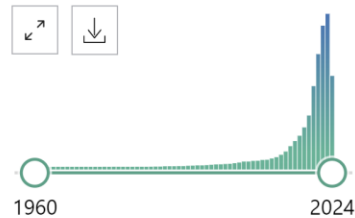
Page

1

of 7,529



RESULTS BY YEAR



TEXT AVAILABILITY

- ☐ Abstract
- ☐ Free full text
- ☐ Full text

ARTICLE ATTRIBUTE

### ☐ Digital Health.

1 Linwood SL, editor.

Cite Brisbane (AU): Exon Publications; 2022 Apr 29.

Share PMID: 35605064 [Free Books & Documents.](#) [Review.](#)

**Digital health** has undergone an astounding transformation since the beginning of the COVID-19 pandemic. ...This is a timely book not only for clinicians, but also for everyone who is interested in transformation of **health** care to **digital health** ...

### ☐ Digital Health Equity.

2 Lawrence K.

Cite In: Linwood SL, editor. Digital Health [Internet]. Brisbane (AU): Exon Publications; 2022 Apr 29. Chapter 9.

Share PMID: 35605078 [Free Books & Documents.](#) [Review.](#)

Applying a **health** equity lens to **digital health** innovations can help inform the equitable design and development of **digital health** tools. ...More research is needed to understand the full effect of **digital health** technology on h ...

Publication trend: digital health

# Innovation in health is an imperative

new processes



new professions in the digital age

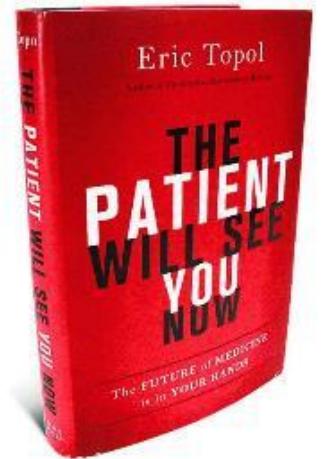


HEALTHCARE  
Wearable Technology  
Therapist



HEALTHCARE  
Healthcare Navigator

new expectations from patients and their families



## Accelerating Digital Technology

## Super-Convergence

## Reboot

64M

16M

4M

1M

250K

2

[illegible]

**PREVENTION**

## PREDICTION

## MANAGEMENT

## DIAGNOSIS

DISEASE

# Acceleration of Digital Technology

1970

1980

1990

2000

Based on the work of Dr. Eric Topol, author of "The Creative Destruction of Medicine: How the Digital Revolution Will Create Better Health Care"

2010

2020

## NEW MEDICAL TECHNOLOGIES

### Medical devices

- 3D printing
- Cardiac devices
- Implants and bionics



### Precision and personalized medicine

- Computer-assisted surgery
- Surgical robots
- Personalized medicine

### Medical imaging and diagnostics

- Optical high-definition imaging and virtual anatomic models
- Biosensors and markers
- 4D human charting and virtual reality
- Screening for diseases

### Regenerative medicine

- Tissue engineering
- Effective bioartificial pancreas

## ORGANIZATIONAL AND PROCESS INNOVATIONS

### Novel approaches in healthcare research

- Software-based modeling to speed up research
- Artificial intelligence techniques to speed up research and clinical trials



### New ways of delivering healthcare

- Telemedicine applications
- Drone delivery of medications
- Remote monitoring and portable diagnostics
- Improved data sharing

# Promising fields for medical innovation and technologies





Ghana: digital skills  
for pharmacists to  
manage  
hypertension

SMS – based intervention to determine the legitimacy of medicine





# ANTIBIOGO

## DIAGNOSTIC TOOL

A free diagnostic aid application to counter antibiotic resistance.

### QUICK ACCESS

[IN BRIEF](#)[VIDEO](#)[NEWS](#)[IN DETAIL](#)[PARTNERS](#)[CONTRIBUTE](#)

The project

## IN BRIEF

Antibiogo is a diagnostic aid medical device that aims to help doctors prescribe the most effective antibiotics to their patients. It is available as a free, open source and offline Android application. It allows non-expert laboratory technicians to measure and interpret antibiograms. It provides accurate results that can also be used for monitoring purposes and updating empirical treatments based on actual etiology.

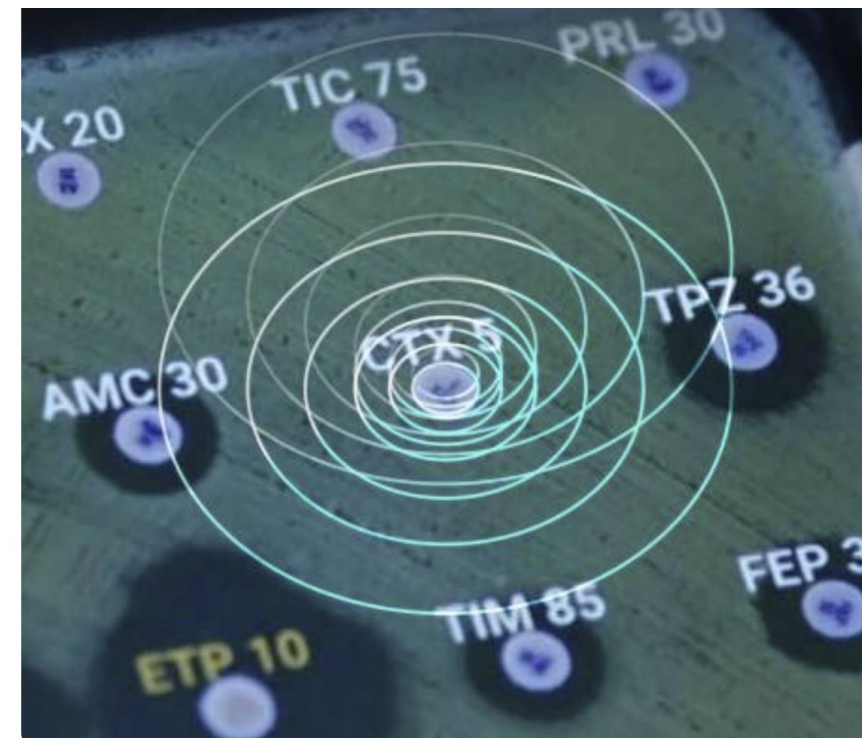
### STATUS OF THE PROJECT

PROBLEM ANALYSIS

DEVELOPMENT

EVALUATION

DEPLOYMENT



### OUR PARTNERS

i2a

Institut Pasteur de Dakar

Google.org

EPFL (École polytechnique fédérale de Lausanne)

l'hôpital Henri Mondor

CEA Genoscope

LAMME Evry

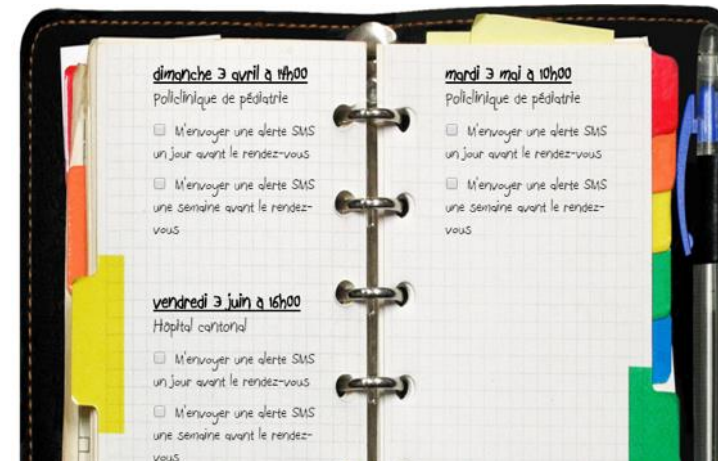
Paramètres cookies

Digitalized medical protocols





# Serious games: Kids e-transplant



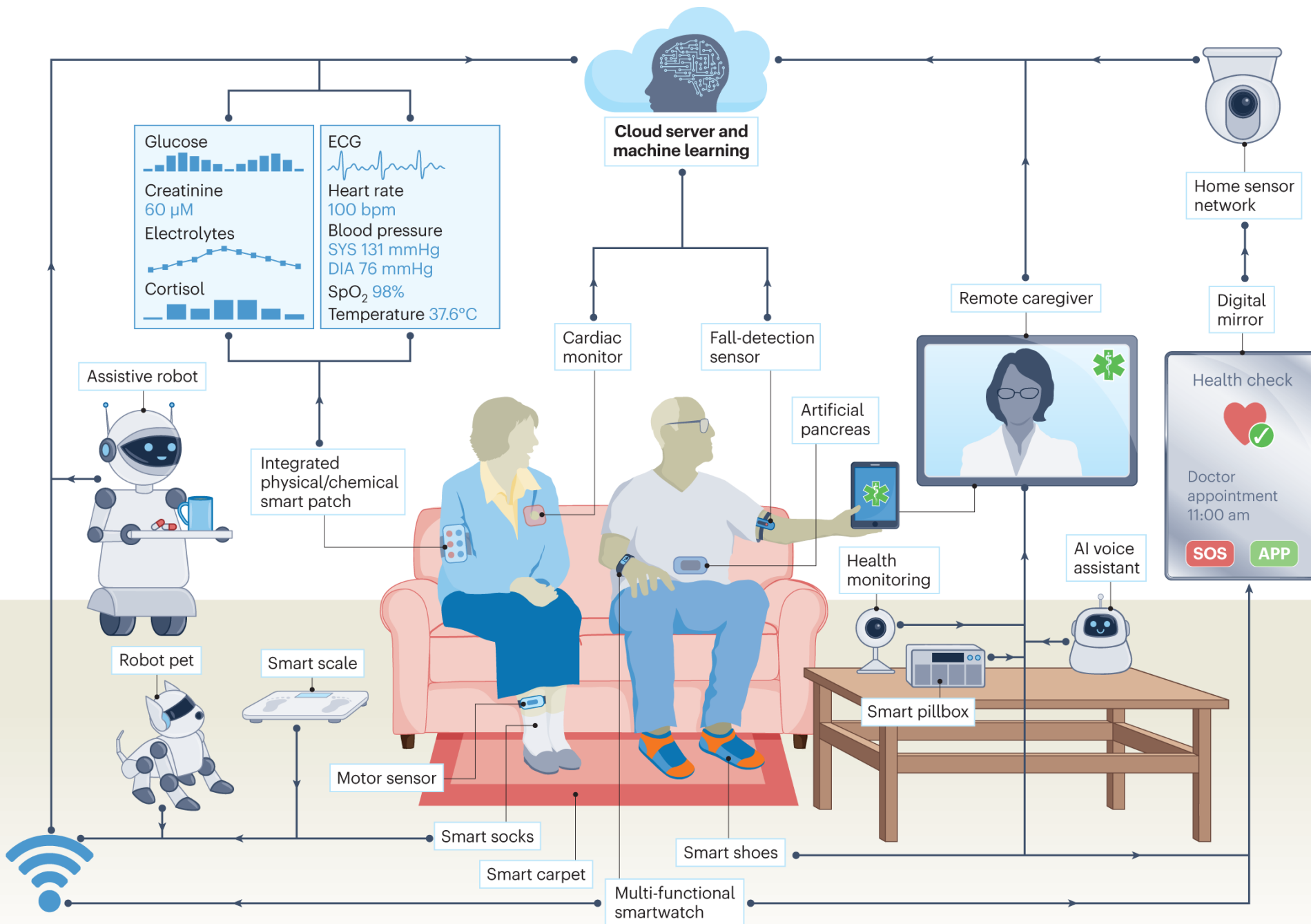
# HUG exemples: Concerto



# Gamification of physical rehabilitation

Randriambelonoro, M., Perrin, C., Blocquet, A., Kozak, D., Fernandez, J.T., Marfaing, T., et al. (2021). Computer-aided physical rehabilitation of older people: a pilot non-inferiority randomized clinical trial.

<b>Type</b>	Multicenter non-inferiority randomized clinical trial
<b>Participants</b>	57 elderly patients with musculoskeletal issues
<b>Duration</b>	6 weeks (3 weeks hospital – 3 weeks home)
<b>Intervention</b>	Gamified rehabilitation equipment & wearable tracker
<b>Research question</b>	How efficient is the gamified rehabilitation compared to the standard rehabilitation treatment?
<b>Objectives</b>	Explore clinical efficacy
<b>Outcomes</b>	Insights into efficacy and the benefits of the intervention / complexities associated with adopting new technologies in clinical practice



The future of  
geriatric  
healthcare in  
the home  
setting



# The Promise of Digital Health: transform healthcare



## **Empowerment**

Patients  
Health providers  
Governments



## **Access**

Greater access to care



## **Cost**

Reduced cost



## **Quality**

Better quality care



## **Outcomes**

Improved outcomes  
through better diagnosis  
and treatment

**Implementing digital health is  
challenging...**

# The vision of an innovative hospital... As of 2014...



# Challenge

---





# Implementing digital health in low resources settings

réseau rede  
**RAFT**  
red network

Supporting care professionals where they are most needed







**Emergency room in the Dhankuta health district in East  
Nepal**

Reference hospital for a population of 200'000



Dr Kamga, public health and medical  
informatics expert

Dr Etoa, general practitioner,  
trained in tele-ultrasonography







**Tele-ultrasonography from the district  
hospital of Kolokani (Mali)**

The images are reviewed by a radiologist  
(300 km away)

The patient can be managed locally





## Ultrasonography in the Sabadou- Baranama health center in Guinea

Shea butter replaces the imaging gel  
The activity of the health center  
surges





## Tele-ultrasonography in Tuiquina, on the bolivian Altiplano

Mobilization of the population

Increase the reputation and usage of the  
health center

National programme in 300 hospitals  
launched to extend the pilot project



**Expertise center in the country**

Dr Aguilar answers teleradiology requests from the La Paz university hospital



# Tele-expertise: Bogou

**Bogou**

10 éments

Rechercher :

Auteur	Sujet	Cas	Statut
	pancreatite sous jacente	10000	Ouvert
	Demo	7932	Résolu
	Cas de gyneco	7188	Ouvert
	Tumeur mandibulaire	1286	Ouvert
	kyste sous mentonnier	1285	Ouvert
	Tumeur mandibulaire	1284	Ouvert
	Tumeur mandibulaire gauche	1239	Ouvert

**Bogou**

2C00025 né(e) le 01.09.2014  
Réseau 2nd-chance (cg)

Crée le  
2015-07-28 19:28  
Publié par:  
Dr Lucile Claudette OPANGO\_CHIDAS

Pièces jointes:

Modifier l'état de ce cas

Ouvert

✓ Modifier l'état

Fil de discussion

**Bogou**

Modifier l'état de ce cas

Ouvert

✓ Modifier l'état

Fil de discussion

Dr Lucile Claudette OPANGO\_CHIDAS

Batantou Cedicia; Nourrisson de 9 mois venu avec ses parents en consultation pour kyste sous mentonnier congénital. Après examen clinique et paraclinique nous avons posé comme indication exérèse de ce kste sous anesthésie par voie cutanée.

Le 03.06.2015 sous neuroleptanalgie complète par une infiltration de xylocaine il a été réalisé une xérèse du kyste par voie cutanée.

Tapez votre réponse ici

**Bogou**

Nouveau cas

Patient

Patient

Date de naissance

jj.mm.aaaa

Sexe

Masculin

Sujet


Sujet

Description du cas

Votre description ici...

✓ Envoyer le nouveau cas

IMG-20220918-WA0003



Fil de discussion

NOMBRE DE CAS  
TOTAL

14253

CAS 37.4% ↑

NOMBRE DE  
MESSAGES

65510

MESSAGES 44.6% ↑

NOMBRE DE  
DOCUMENTS

23513

DOCUMENTS 42.8% ↑

NOMBRE DE  
CERCLES

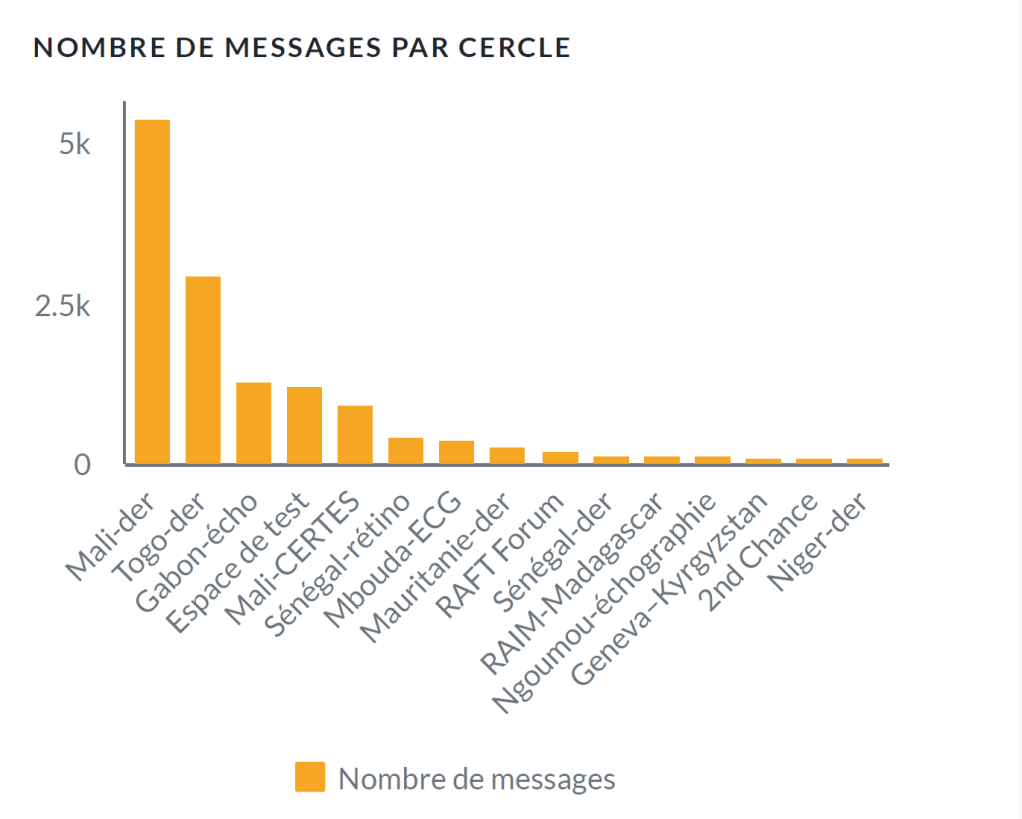
76

CERCLES

NOMBRE  
D'UTILISATEURS

781

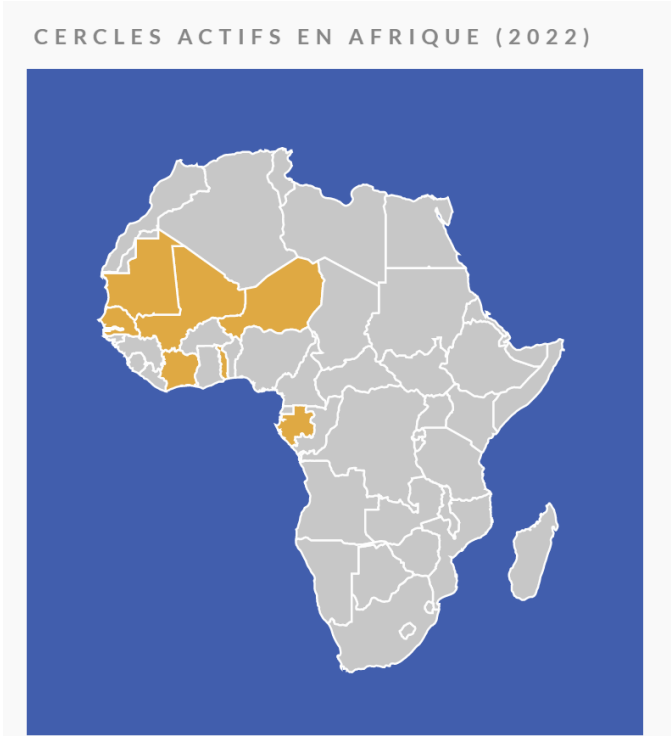
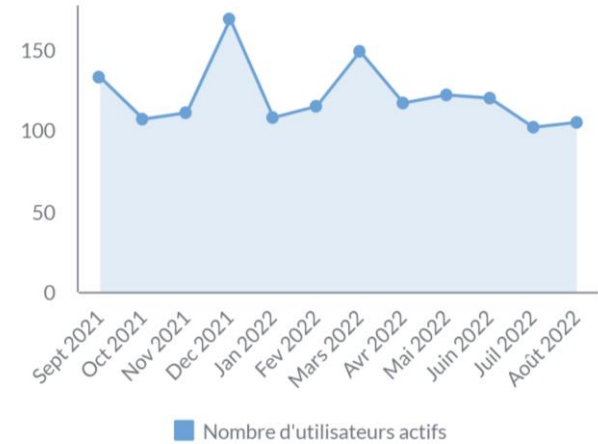
UTILISATEURS



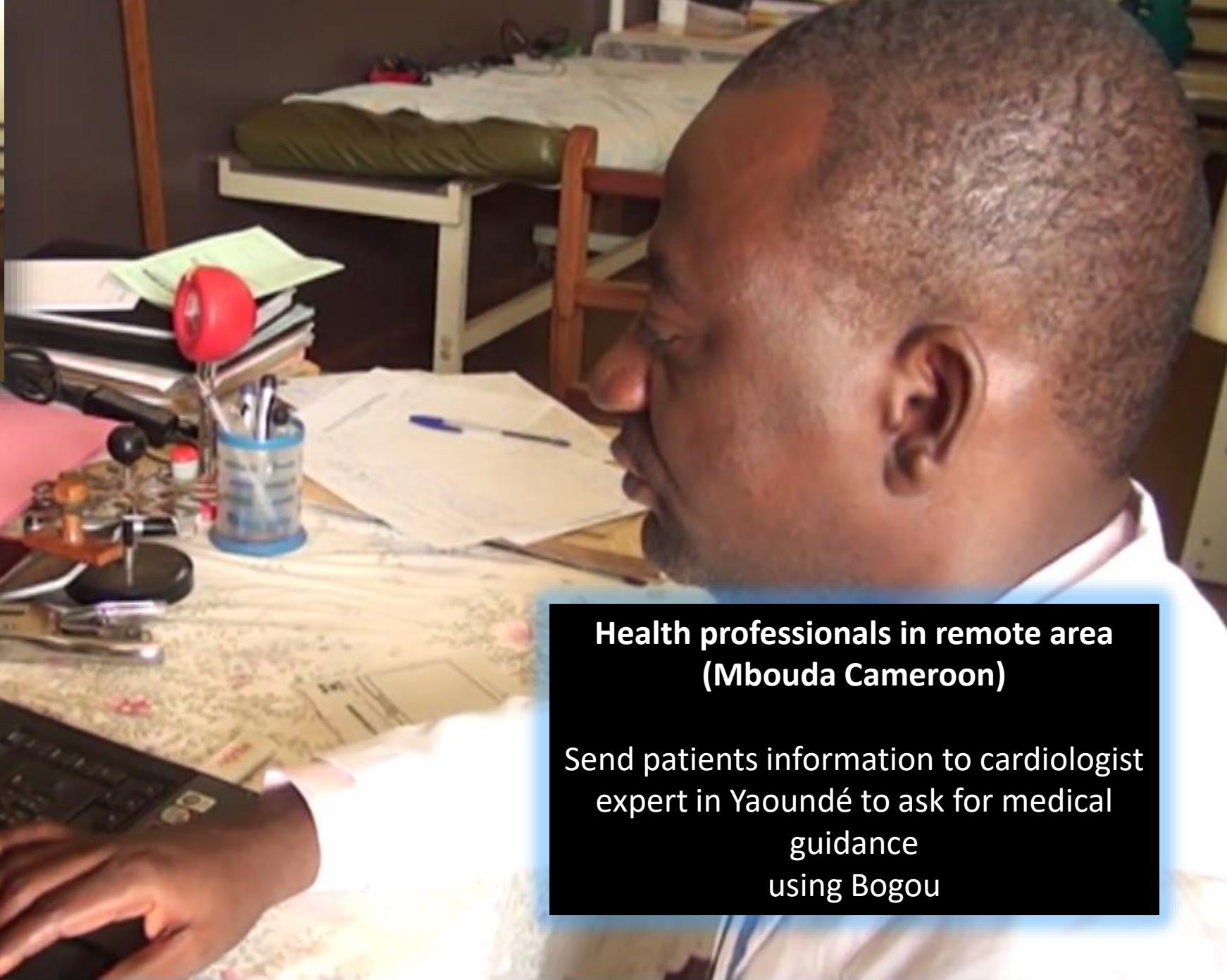
NOMBRE D'UTILISATEURS ACTIFS:  
09/2021 à 09/2022

328

NOMBRE D'UTILISATEURS ACTIFS PAR MOIS

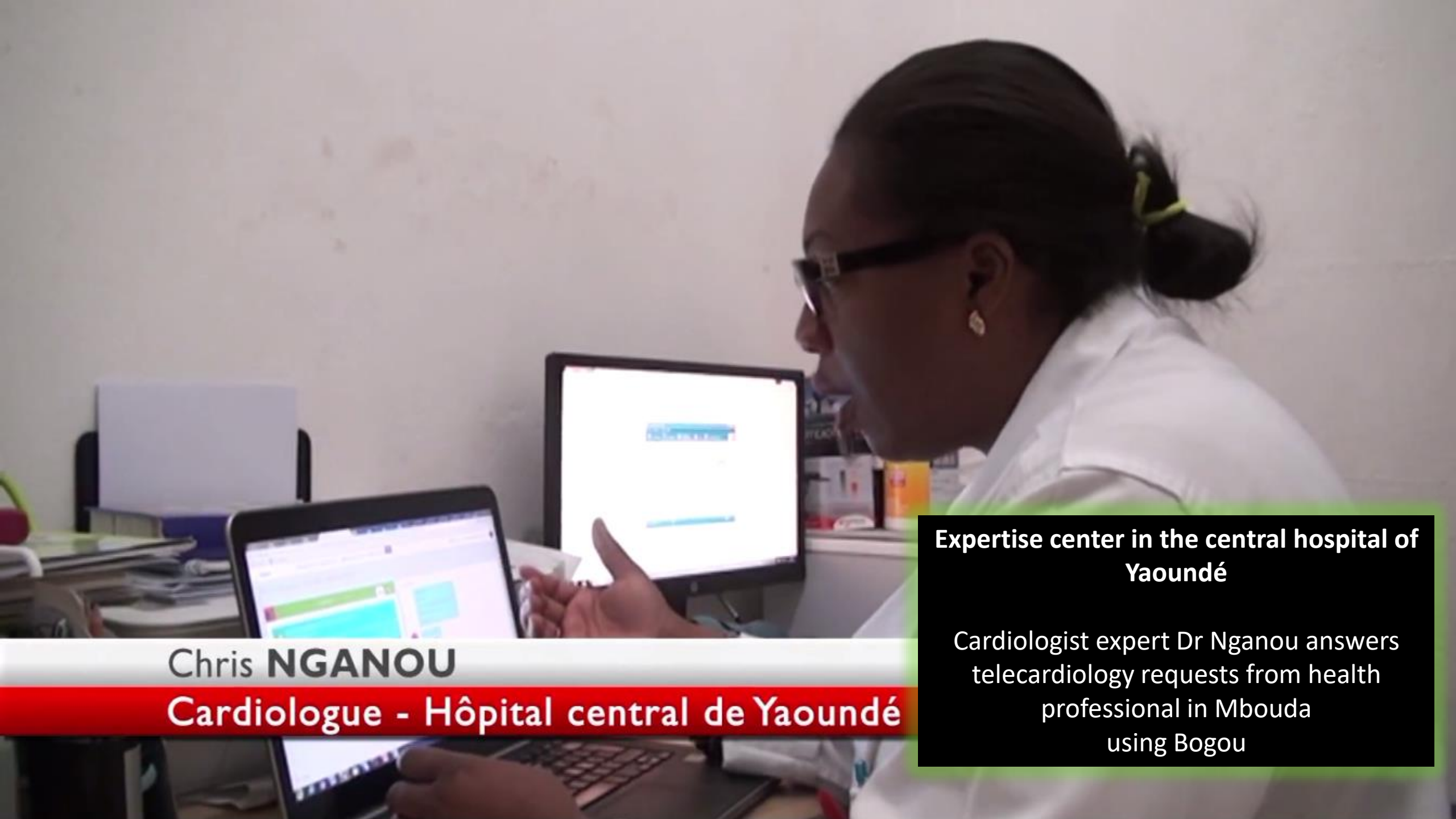






**Health professionals in remote area  
(Mbouda Cameroon)**

Send patients information to cardiologist  
expert in Yaoundé to ask for medical  
guidance  
using Bogou



Chris **NGANOU**

**Cardiologue - Hôpital central de Yaoundé**

**Expertise center in the central hospital of  
Yaoundé**

Cardiologist expert Dr Nganou answers  
telecardiology requests from health  
professional in Mbouda  
using Bogou





Pause ... Pause ... Pause

Enregistrer

Terminer



un Système d'Information Hospitalier  
(SIH) adapté à toutes les structures de santé

### Introduction

Le cœur du SIH – CINZ@N c'est :

- la prise en charge du patient et sa sécurité
- le pilotage des activités financières des établissements
- le pilotage des activités médicales des établissements
- la performance des établissements.



un Système d'Information Hospitalier  
(SIH) adapté à toutes les structures de santé

### Liste des questions

**Dr M Niang (41.221.177.89)**

23 nov. 2020 - 13h50 UTC

Bonjour TEST

**Dr Dramane Traore (41.73.107.239)**

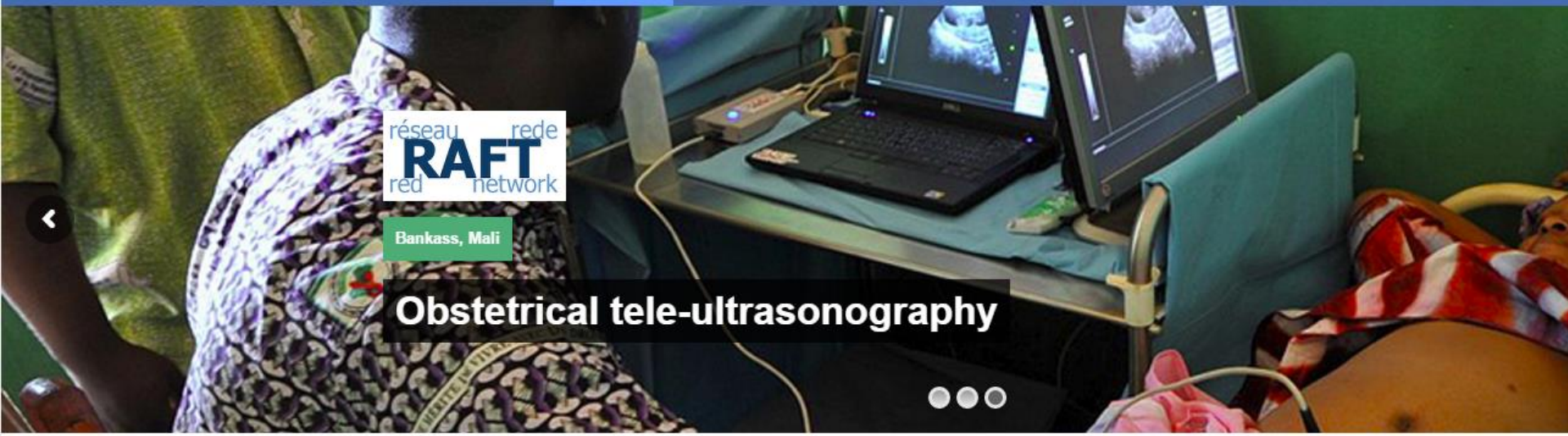
27 juin 2020 - 15h07 UTC

Bonjour Question Test 1 Base

### Posez une question

Envoyer





Bankass, Mali

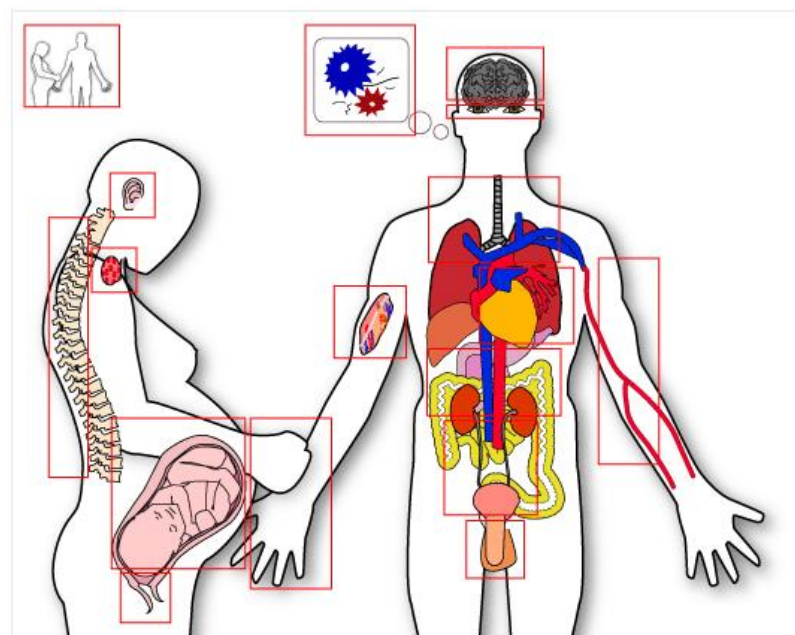
## Obstetrical tele-ultrasonography

### Courses by categories

Choose a category from the list or on the diagram below:

#### Programs and priority areas:

- [Diabetes](#) (e-diabète project from the UNFM)
- [Pediatrics](#) (pediatry project from the UNFM)
- [Specialist medical training](#) (Jinou project)
- [Hospital management](#)
- [Nutrition](#)
- [Malaria](#)
- [Reproductive Health](#) (OMS-Geneva)
- [Patient Safety](#) (OMS-Geneva and HUG)
- [Tuberculosis](#)
- [HIV and AIDS](#)







## Training by local experts

Dr Massaquoi webcasts a course from  
Monrovia (Liberia)

1200+ courses in French

150+ in English

40+ in Spanish

100+ in Portuguese

Starting in Russian and Arabic

Challenge: how to be attractive without  
per-diem





## Medical education reform in Kyrgyzstan

Problem-based learning  
Continuing education to retain young  
talents in remote hospitals





## **South-South cooperation**

Professor Touré, from Mali, trains doctors and midwives in Mauritania





## Centers of excellence

Prof. Bagayoko, MD, PhD, with three of his  
graduating students at the University of Bamako,  
Mali

# Lessons learnt

**Table 2.** Lessons learned: top-down approach versus bottom-up approach

Country	Approach	Lessons learned
Mali	Bottom-up approach	<p>This approach ensured the motivation and the engagement of healthcare professionals. Today, they have created a center of expertise in e-health and telemedicine.</p> <p>However, hospital, university, and government support was necessary.</p>
Mauritania	Top-down approach	<p>This approach facilitated the long-term sustainability of the system.</p> <p>However, they faced the challenge of getting the healthcare professionals on board.</p>
Bolivia	Bottom-up and then top-down approach	<p>This approach ensured both the buy-in of the different stakeholders as well as the growth of the network.</p>



  
REPÚBLICA DE ANGOLA  
MINISTÉRIO DA SAÚDE

Workshop de apresentação do projecto de telemedicina.

Luanda, 17 – 18 Julho de 2014.  
Hospital Américo Boavida

HOSPITAL AMÉRICO BOAVIDA  
NGOLA KIMBANDA

## Build to last

- Institutional anchoring
- Low operational costs
- Multiple partnerships
- Train local experts
- Demonstrate impact



A wide-angle photograph of a desert landscape. In the foreground, a flat, sandy area stretches across the frame. In the middle ground, there are several small, dark, rocky mounds. In the background, a range of mountains with sharp peaks is visible under a clear blue sky. The word "PIAGET" is overlaid in large, white, serif capital letters across the center of the image.

PIAGET

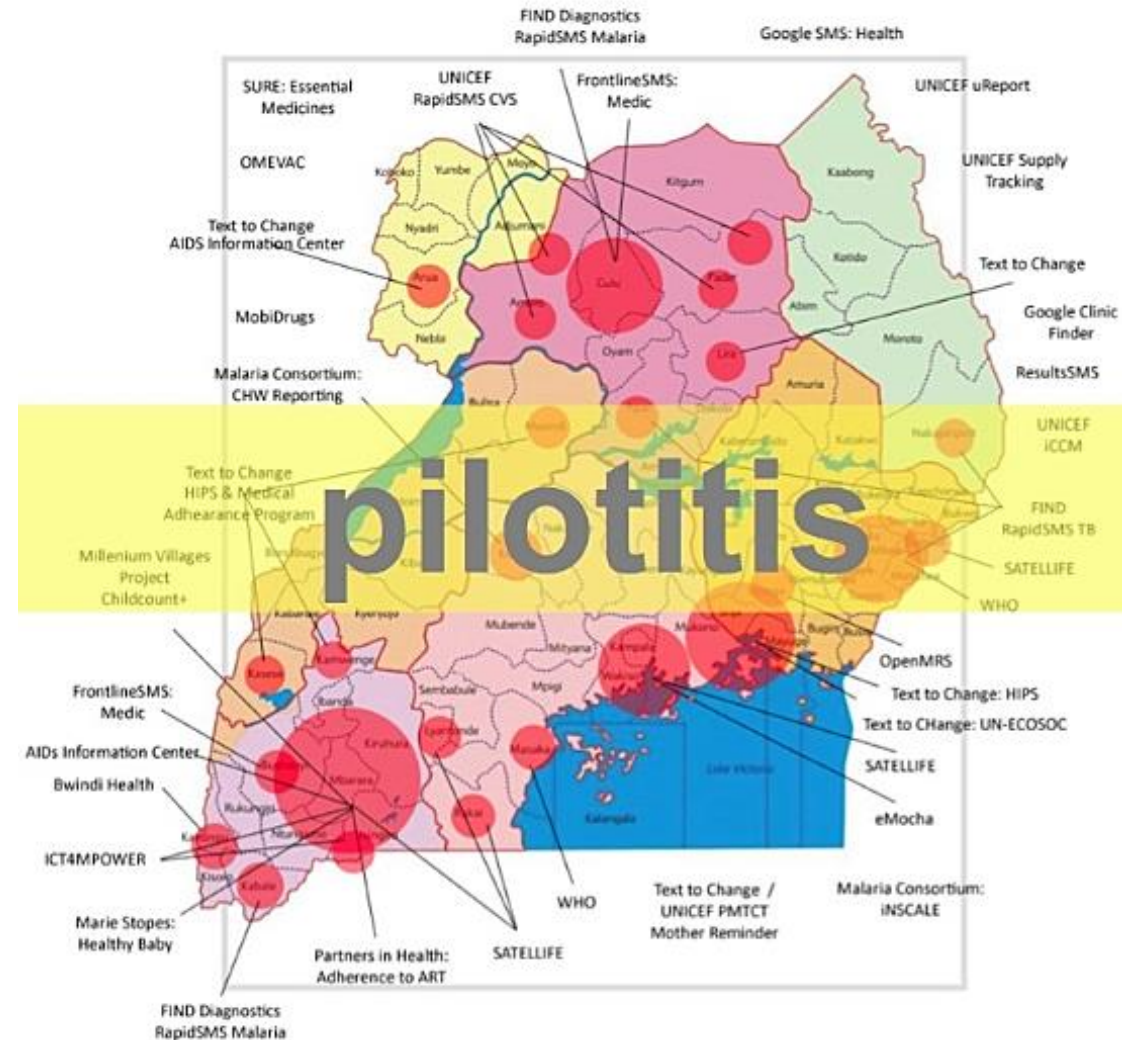


## Pilots always work and never scale

### Uganda pilots in 2012

<https://www.ictworks.org/ugandan-mhealth-moratorium-good-thing>

Huang, F., Blaschke, S. & Lucas, H. Beyond pilotitis: taking digital health interventions to the national level in China and Uganda. *Global Health* **13**, 49 (2017). <https://doi.org/10.1186/s12992-017-0275-z>



# Digital transformation in Healthcare is complex and very challenging !

## **Fragmentation**

and a Landscape defined by pilotitis

## **Lack of best practices**

and access to up-to-date data on past and recent implementations

## **High failure rate**

in digital health projects

## **Scarcity**

of qualified resources that understand both healthcare and IT Domains

## **Cybersecurity, Data privacy, Trust**

concerns and issues

## **Ethics and Equity**

concerns and issues



# gdhub



## Geneva Digital Health Hub

### Partners



**UNIVERSITÉ  
DE GENÈVE**



Schweizerische Eidgenossenschaft  
Confédération suisse  
Confederazione Svizzera  
Confederaziun svizra

Swiss Agency for Development  
and Cooperation SDC



World Health  
Organization



Hôpitaux  
Universitaires  
Genève

gdhub's vision is **to unlock the full potential of digital health** for effective, equitable and impactful health systems by:

**Enabling science-based policies and decisions** that facilitate the development of global policies and standards for the responsible implementation of digital health based on advanced knowledge management approaches.

**Promoting sustainable value creation** through strengthened national and subnational digital health ecosystems that incorporate global standards and best practices, including ESG.

**Fostering active learning and collaboration** to enhance institutional capacity and cooperation to support the responsible development and implementation of digital health and reduce fragmentation of efforts.

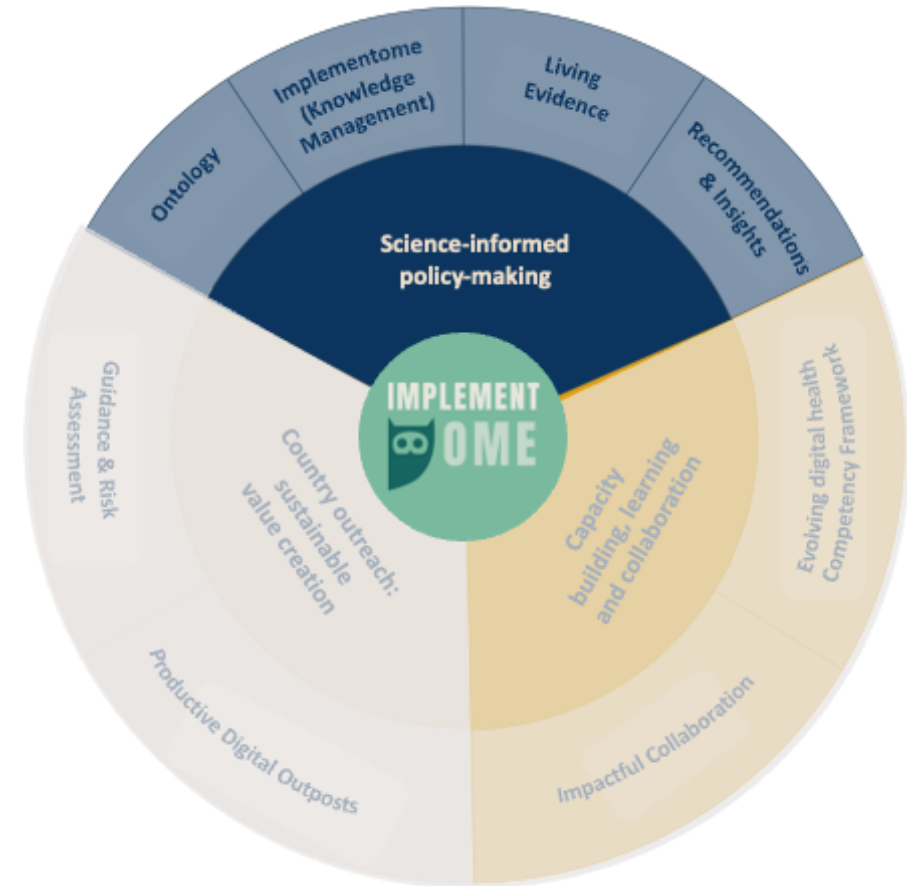


## Partners



# Science-based policy-making

- Implementome
- Implementation Report
- Living Evidence Portal
- Regulatory Recommendations



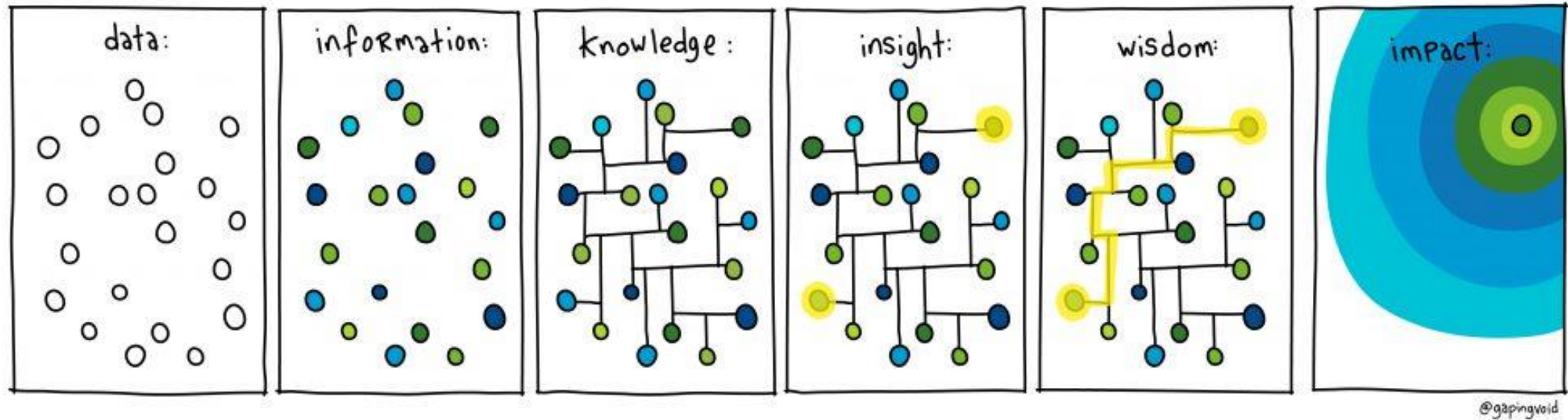
# Knowledge Management: The key to sustainable solutions

Digital transformation in healthcare is a challenge, and knowledge management is the key to sustainable solutions. The Implementome enables science-based decision-making. Its mission is to connect knowledge and stakeholders for effective coordination, governance, collaboration, and ultimately impact in the field of digital health.





# Implementomics



"Implementomics", i.e. the ability to capture, organize and exploit multidimensional knowledge related to implementation issues.



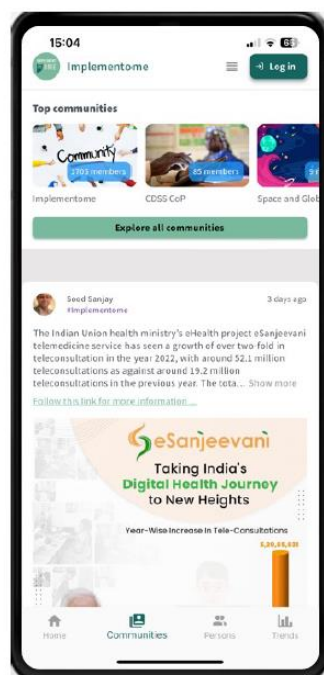
# Learn. Share. Connect. Be impactful



**IMPLEMENTOME: an interconnected knowledge system that allows users to navigate multiple dimensions through metadata-annotated projects, people, information, and communities of practice.**



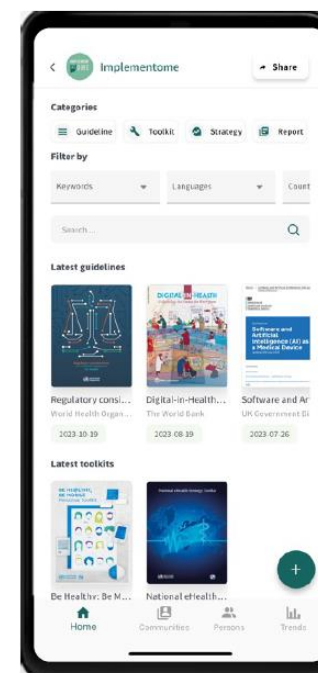
HOME



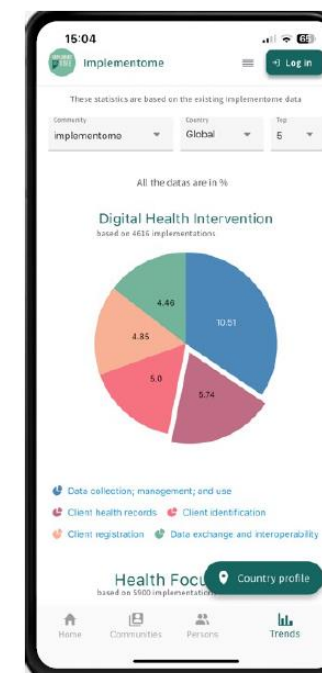
COMMUNITIES



MAP



PUBLICATIONS

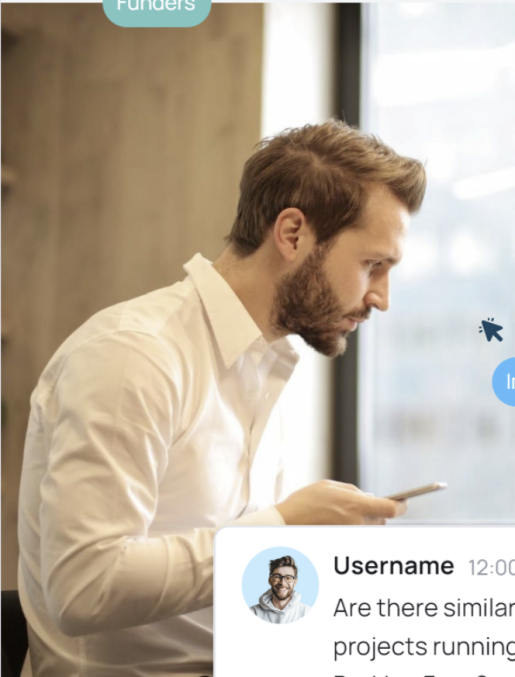


TRENDS





Funders



Implementers



**Username** 12:00 PM

Are there similar projects running in Burkina Faso?

# Ask any digital health question

Get an answer based on real implementation data

Enter a question, topic or keyword



Example questions ▾

Policymakers



Researchers



## Digital Health Atlas

A mapping of digital health projects based on real world implementation

**+1400 PROJECTS**



## Living Evidence

A digital health scientific evidence updated in real-time

**+106K PUBLICATIONS**



## Communities

A community of digital peers to learn, share and collaborate

**+580 MEMBERS**

May 29, 2024

Are there any projects in the decision support field that have gone to scale and had a major impact?  
09:20

There are several projects on decision support that have demonstrated scalability and significant impact. Here are some notable examples:

**leDA:** The main goal of leDA is to sustain high-quality healthcare, particularly focusing on the care quality for newborns, children under 5, and pregnant women. It utilizes a cutting-edge mobile application on digital tablets to empower healthcare workers for accurate diagnostic and treatment processes. It has been operational since 2010, and has reached over 20 millions beneficiaries.

**MSFeCare:** The MSFeCARE project has made a significant impact in the field of pediatric primary healthcare in low-resource settings. It utilizes an electronic Decision Support System (eDSS) designed to manage childhood illnesses based on the Integrated Management of Childhood Illness (IMCI) guidelines. This system has been instrumental in improving diagnostic accuracy and treatment efficacy, enhancing the quality of care provided to over 200K children under 5 years old.

**DYNAMIC Project:** Operating in Tanzania and Rwanda, this project uses an advanced electronic clinical decision support system integrated with diagnostic tests to enhance pediatric healthcare. It has already impacted nearly 1 million children, showing strong potential for further scaling in low-resource settings.

These projects leverage technology and strategic partnerships to extend their reach and effectiveness, demonstrating how digital health solutions can be scaled to improve health outcomes in various regions.

09:20

View additional publication consulted

09:20

## Sources

### Projects



CHILD HEALTH  
**leDA - Integrated e-Diagnostic Approach**

Decision support   Tablets

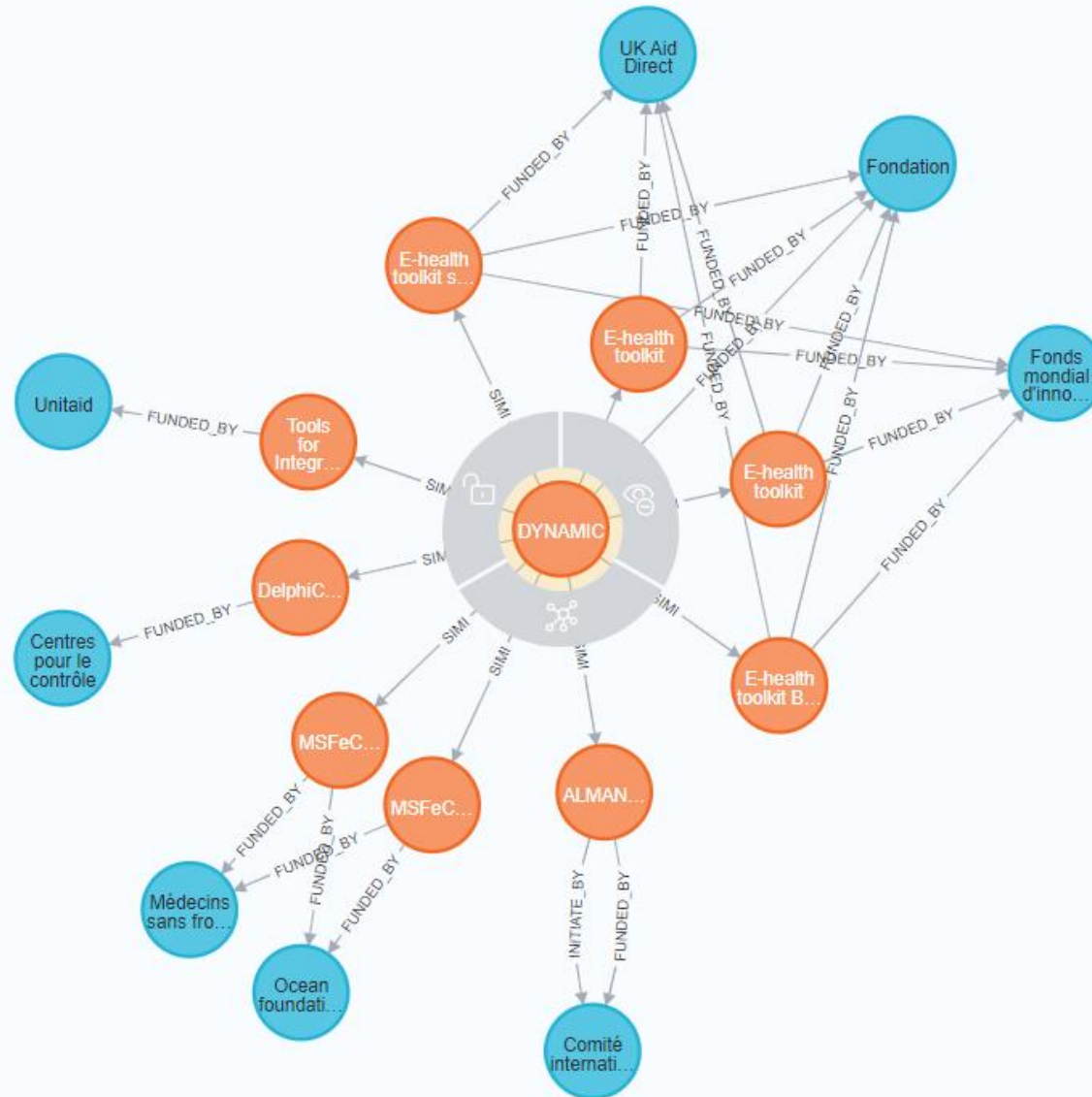


CHILD HEALTH  
**MSFeCARE**

IMCI guidelines   Primary healthcare



CHILD HEALTH  
**Dynamic**



Beyond the obvious:  
discovering  
valuable insights



# iCHECK-DH: Standardization of digital health reports

- 1

## Guideline Development Group

A guideline development group of 18 experts from different fields of digital health was established to support the development of the guidelines and checklist.
- 2

## Guideline Development Process

The process included several rounds of collaborative development and refinement, as well as pilot testing of the guidelines and checklist.
- 3

## Fostering digital health knowledge

Create a set of accessible and actionable information that benefits everyone, from researchers to practitioners, policymakers and end-users.




## iCHECK-DH: Guidelines and Checklist for the Reporting on Digital Health Implementations

Caroline Perrin Franck <sup>1,2</sup>; Awa Babington-Ashaye <sup>1,2</sup>; Damien Dietrich <sup>2</sup>; Georges Bediang <sup>3</sup>; Philippe Veltsos <sup>4</sup>; Pramendra Prasad Gupta <sup>5</sup>; Claudia Juech <sup>6</sup>; Rigveda Kadam <sup>7</sup>; Maxime Collin <sup>8</sup>; Lucy Setian <sup>9</sup>; Jordi Serrano Pons <sup>10</sup>; S Yunkap Kwankam <sup>11</sup>; Béatrice Garrette <sup>8</sup>; Solenne Barbe <sup>8</sup>; Cheick Oumar Bagayoko <sup>12,13</sup>; Garrett Mehl <sup>14</sup>; Christian Lovis <sup>1,15</sup>; Antoine Geissbuhler <sup>1,2,15</sup>

Article	Authors	Cited by	Tweetatations (36)	Metrics
<div><div><div><div>Abstract</div><div>Introduction</div><div>Methodology</div><div>Explanation-and-Elaboration-of-iCHECK-DH</div><div>Conclusion</div><div>References</div><div>Abbreviations</div><div>Copyright</div></div><div><div>Related Article</div><div>This is a corrected version. See correction statement in: <a href="https://www.jmir.org/2023/1/e49027">https://www.jmir.org/2023/1/e49027</a></div></div></div></div>				
<div><div><div><div>Abstract</div><div><p><b>Background:</b></p><p>Implementation of digital health technologies has grown rapidly, but many remain limited to pilot studies due to challenges, such as a lack of evidence or barriers to implementation. Overcoming these challenges requires learning from previous implementations and systematically documenting implementation processes to better understand the real-world impact of a technology and identify effective strategies for future implementation.</p><p><b>Objective:</b></p><p>A group of global experts, facilitated by the Geneva Digital Health Hub, developed the Guidelines and Checklist for the Reporting on Digital Health Implementations (iCHECK-DH, pronounced "i checked") to improve the completeness of reporting on digital health implementations.</p><p><b>Methods:</b></p><p>A guideline development group was convened to define key considerations and criteria for reporting on digital health implementations. To ensure the practicality and effectiveness of the checklist, it was pilot-tested by applying it to several real-world digital health implementations, and adjustments were made based on the feedback received. The guiding principle for the development of iCHECK-DH was to identify the minimum set of information needed to comprehensively define a digital health implementation, to support the identification of key factors for success and failure, and to enable others to replicate it in different settings.</p><p><b>Results:</b></p><p>The result was a 20-item checklist with detailed explanations and examples in this paper. The authors anticipate that widespread adoption will standardize the quality of reporting and, indirectly, improve implementation standards and best practices.</p><p><b>Conclusions:</b></p><p>Guidelines for reporting on digital health implementations are important to ensure the accuracy, completeness, and consistency of reported information. This allows for meaningful comparison and evaluation of results, transparency, and accountability and informs stakeholder decision-making. i-CHECK-DH facilitates standardization of the way information is collected and reported, improving systematic documentation and knowledge transfer that can lead to the development of more effective digital health interventions and better health outcomes.</p></div></div><div><div>J Med Internet Res 2023;25:e46694</div><div>doi:10.2196/46694</div></div></div></div>				

# Implementation report

- New type of publication
- Peer-reviewed
- Indexed in Pubmed




Articles ▾



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4.4.2023 in Vol 11 (2023)

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## "To Err Is Evolution": We Need the Implementation Report to Learn

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Authors

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### Abstract

*JMIR Medical Informatics* is pleased to offer *implementation reports* as a new article type. Implementation reports present real-world accounts of the implementation of health and clinical interventions. This new article type is intended to promote the rapid dissemination of the perspectives and experiences of those involved in implementing interventions and assessing the effectiveness of digital health projects.

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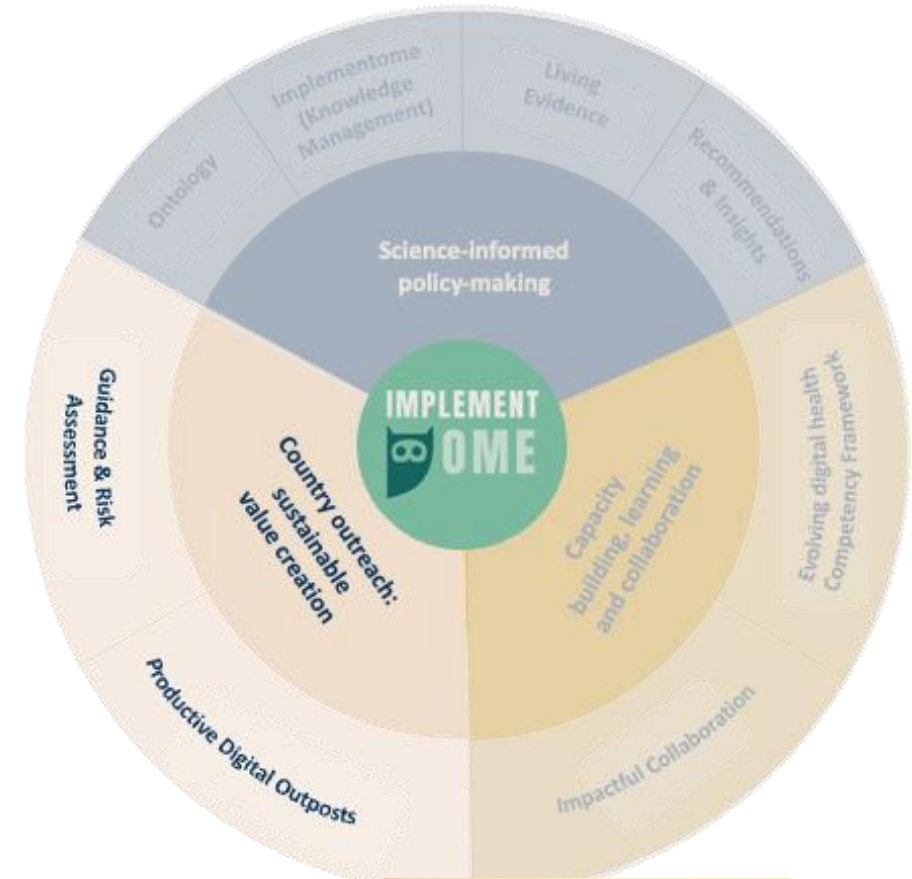
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### Keywords

e-Impact-of-Implementation-Reports

# Country Outposts: Sustainable Value Creation

- Digital Outposts
- Assessing the role of telemedicine in equitable access to care
- Scaling up telemedicine activities (tablet-based approach)







# Digital Outposts

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# Capacity building and collaboration

- Communities of Practice
- Implementation assistance and matchmaking
- Collective innovation process



# Communities of Practice

- CDSS
- Global Telehealth Community of Practice
- Space & Global Health Network
- Digital Health Africa
- Graph network



CDSS Community of Practice (CoP)

## WEBINAR

Pragmatic assessment of CDSS in low-resource, fragile settings: an example from Somalia



**Hassan Hussein Mohamed, Hassan Abdullahi Ali, Alli Miikkulainen and Javier Elkin**  
ICRC

**Anja Junker and Patrick Hanlon**  
Swiss Tropical and Public Health Institute

gdhub  
Geneva Digital Health Hub



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14:00 – 15:00 PM CET





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- Funding opportunities
- Courses opportunities
- Research/Business/Collab opp

Communities

- Geneva Digital Health Day
- Digital Health Africa
- Global Telehealth Community
- Space and Global Health
- Clinical Decision Support Systems
- Europe-India Digital Health Working Group
- Meet, your digital health colleagues
- gdbus dream team
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Campus Biotech, Geneva & Online

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**+70**  
SPEAKERS

**+250**  
ONLINE

**+50**  
SESSIONS

**7**  
WORKSHOPS

**GDHD will  
come back  
in 2025**

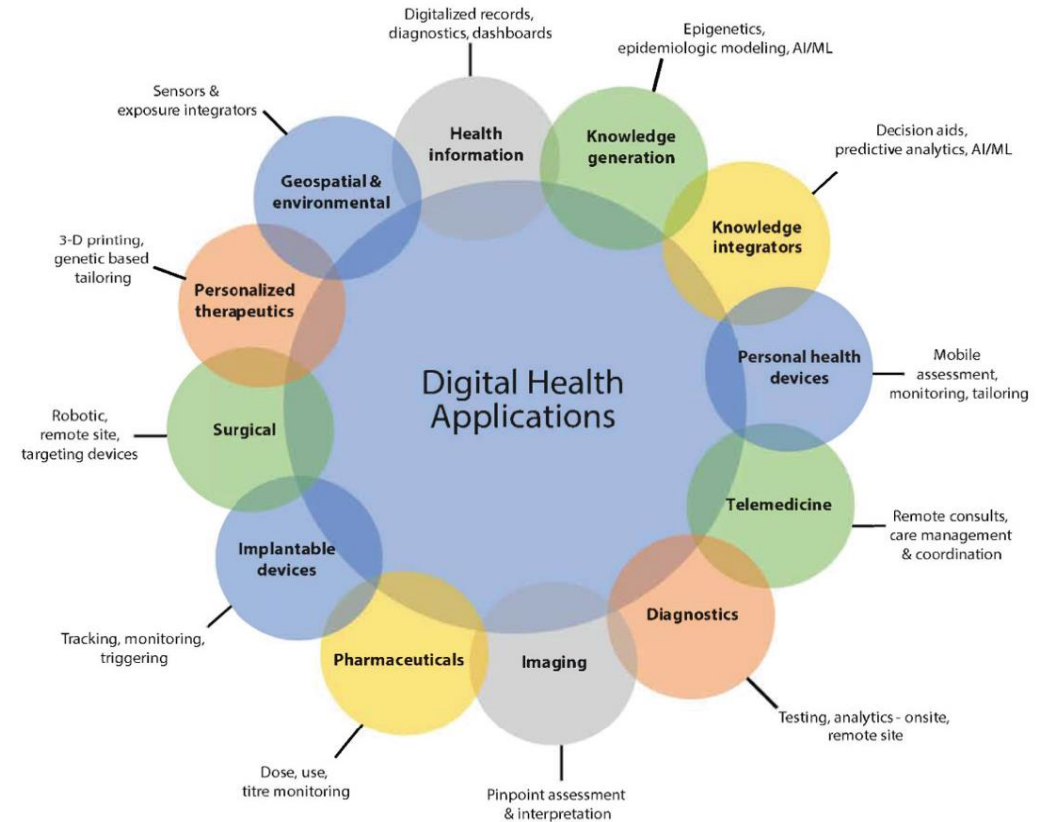


**#GDHD**



# Conclusion

- Digital health has great potential to empower health systems
- But to ensure that solutions are sustainable, we need to learn.
- To err is evolution



**FIGURE 1 | Evolving Applications of Digital Technology in Health and Health Care**

**SOURCE:** National Academy of Medicine. 2019. *Digital Health Action Collaborative, NAM Leadership Consortium: Collaboration for a Value & Science-Driven Health System.*

# From innovation to implementation: Empowering Health Systems through Digital Health

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