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AI in Healthcare
& Pharma Summit

OFFICIAL SPEAKER

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LABCORP



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November 18-19, 2025
The Colonnade Hotel - Boston, MA



Dr. Fidelis Ndombera

“Scaling Accessible Healthcare with AI Medical Agents: Lessons from Emerging Markets.”

- How AI agents can address healthcare access and diagnostic gaps
- Lessons from emerging markets that can inform global healthcare innovation
- Implications for pharma, diagnostics, and clinical operations



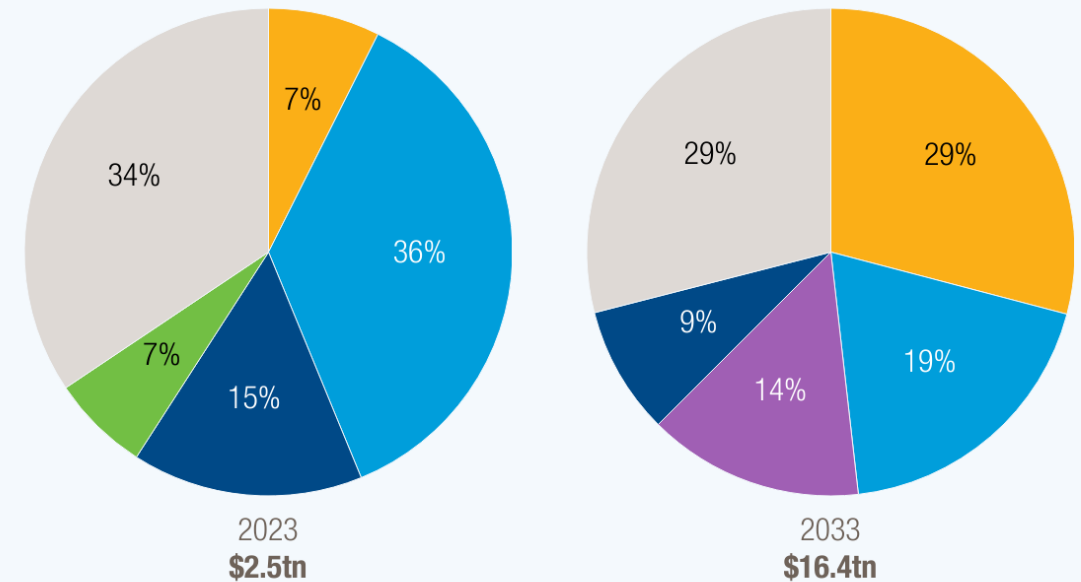
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- Artificial intelligence (AI) is fast becoming the defining technology of our time. A new [UN Trade and Development \(UNCTAD\) report](#) projects **the global AI market will soar from \$189 billion in 2023 to \$4.8 trillion by 2033** – a 25-fold increase in just a decade.
- By then, **AI could quadruple its share of the global frontier technology market**, rising from 7% to 29% and emerging as the sector's dominant force.
- But AI's rapid growth risks widening global divides. Development is highly concentrated, with advanced and large economies benefiting from a deeper talent pool of workers with the needed skills.
- In 2022, **just 100 companies – mainly in the United States and China – accounted for 40% of global AI research and development (R&D)**. Combined, the two countries hold 60% of all AI patents and produce a third of global AI publications.

AI takeover: Share of frontier tech market could quadruple by 2033

Estimated frontier technology market size and share of selected technologies, 2023 and 2033

■ Artificial intelligence
 ■ Internet of things
 ■ Blockchain
 ■ Electric vehicles
 ■ Solar photovoltaic
 ■ Other

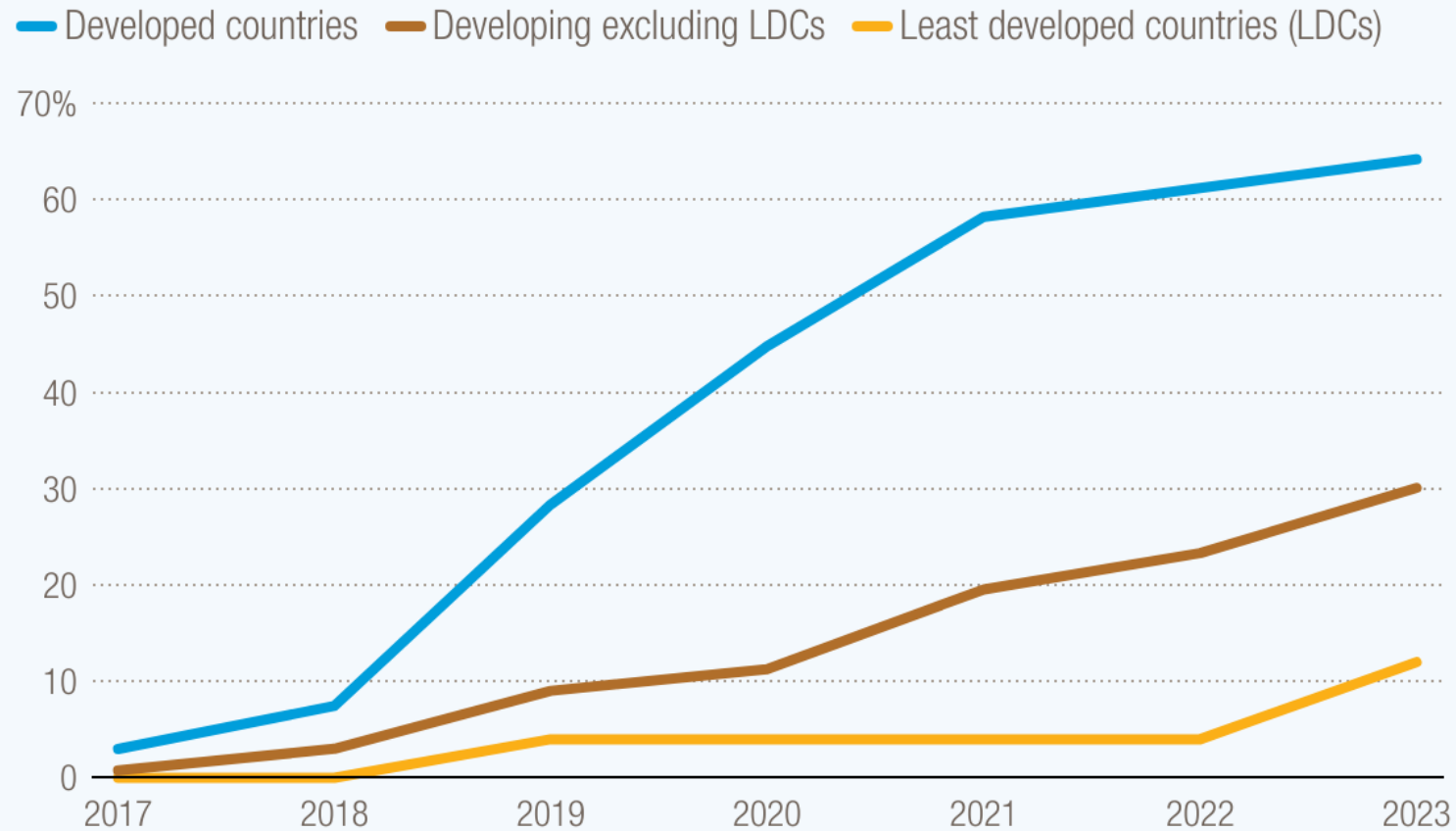


Source: UN Trade and Development (UNCTAD) based on various online market research reports.
 Note: Market size data capture the revenue generated by the sales of products and services. The graphs show the top four of 17 frontier technologies by market share for each year. The remaining 13 are grouped under "other".



Mind the gap: The stark global divide in AI strategies

Cumulative share of countries with a national artificial intelligence strategy by country grouping, percentage, 2017–2023



Source: UN Trade and Development (UNCTAD) elaboration on data from Artificial Intelligence Index Report 2024 (Stanford, United States).

\$4.63 Trillion



\$4.2 Trillion



Africa

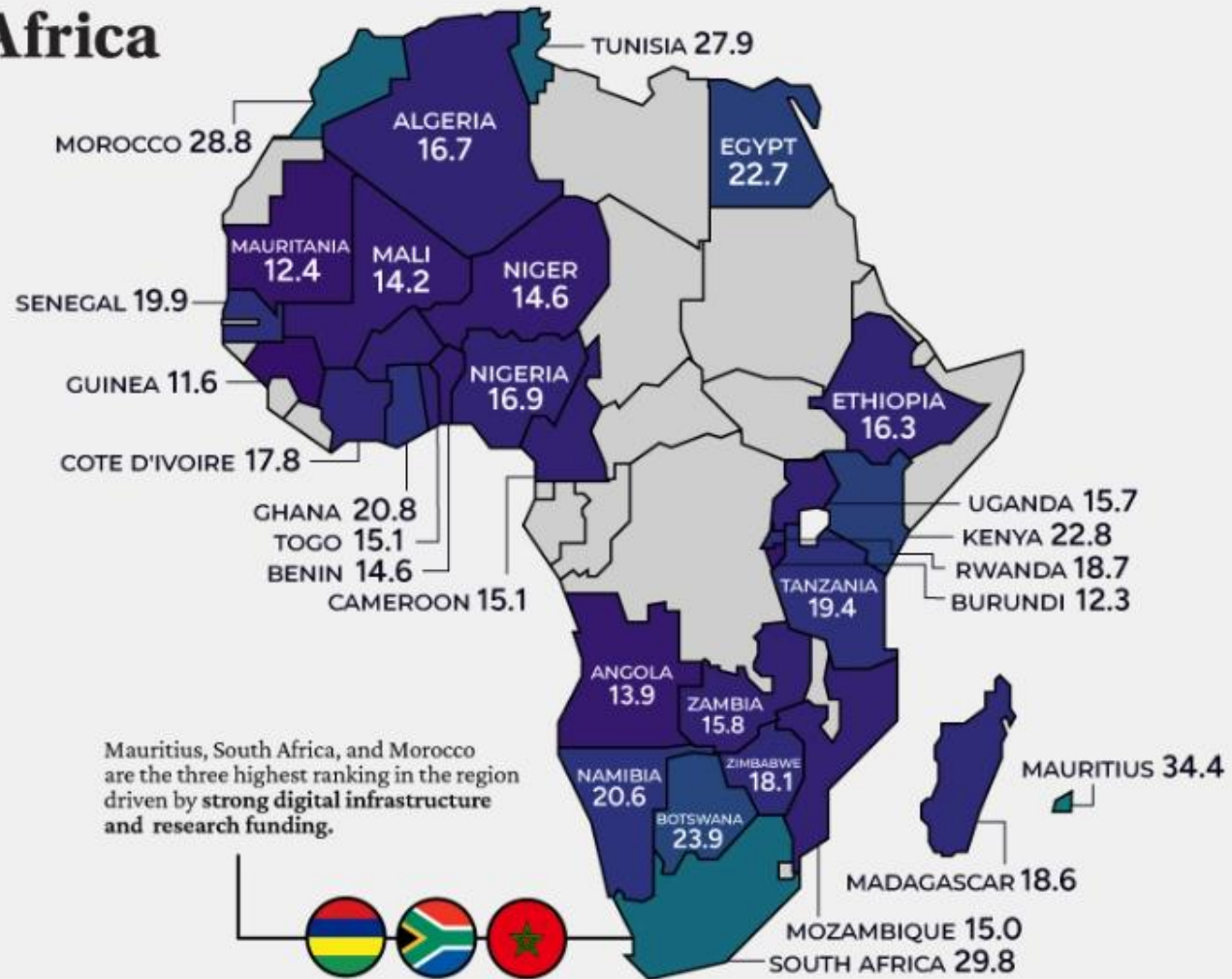
2022

Scores are based on the following 7 categories:

-
- LESS INNOVATIVE ← ————— → MORE INNOVATIVE
- 10 20 30 40 50 60 70



Africa



LESS INNOVATIVE

MORE INNOVATIVE

Top three innovation economies by region

Latin America and the Caribbean

1. Chile
2. Brazil ☆
3. Mexico ↓

Sub-Saharan Africa*

1. South Africa
2. Botswana ☆
3. Kenya ↓

Northern Africa and Western Asia†

1. Israel
2. United Arab Emirates
3. Türkiye

South East Asia, East Asia, and Oceania

1. Republic of Korea
2. Singapore
3. China

Northern America

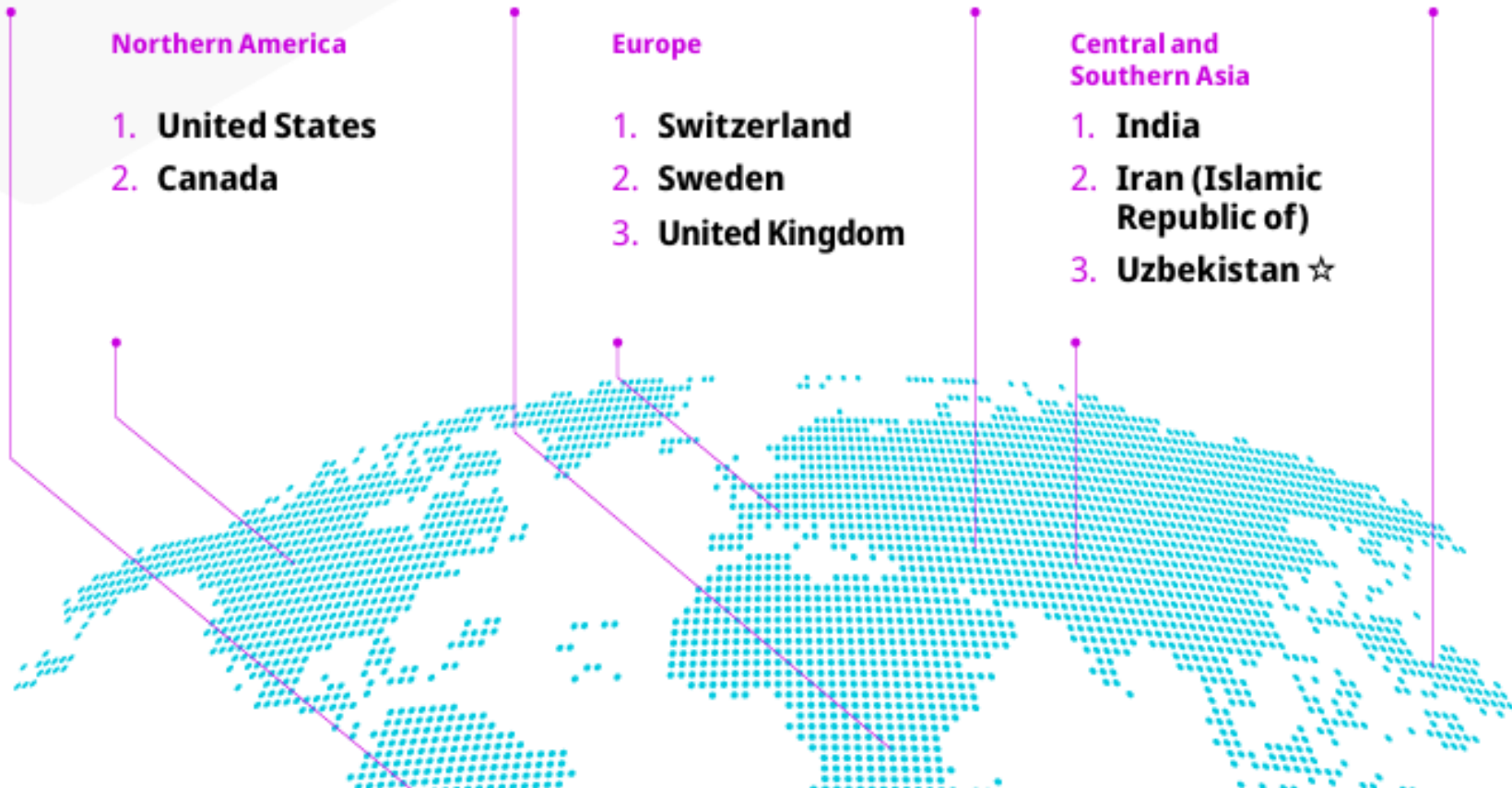
1. United States
2. Canada

Europe

1. Switzerland
2. Sweden
3. United Kingdom

Central and Southern Asia

1. India
2. Iran (Islamic Republic of)
3. Uzbekistan ☆



**Is Africa a
viable emerging
market?**

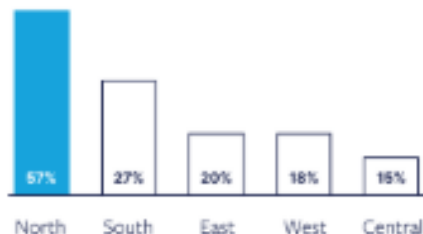


Opportunities & Challenges of entering the African Market

40% of Africa's population has access to the internet versus a global average of **63%**



Average regional
% of population on social media



Southern Africa avg. 68%



Northern Africa avg. 64%



Eastern Africa avg. 26%



Western Africa avg. 43%



Central Africa avg. 25%



% Internet Penetration 0 25 50 75 100

1. 570 million Internet Users in Africa vs 322 million in USA.

2. 747 million Cellphone Users in Africa vs 331 million in USA.

Entering the Kenyan Market

40% of Africa's population has access to the internet versus a global average of 63%



Average regional
% of population on social media

Kenya's internet penetration surges to 87.2pc with 43m mobile subscribers

BY EVALYNE GITHINJI
(PCO)

Kenya's internet penetration has reached a rate of 87.2 percent, with over 43 million mobile internet subscribers.

Speaking during the Digital Transformation in East Africa Conference at Aga Khan University in Nairobi, the Cabinet Secretary for Information, Communications, and the Digital Economy, Elud Owalo, noted that the improved internet infrastructure is driving growth in e-commerce and digital services.

Owalo stated that his ministry is determined to progressively enhance the country's internet connectivity, telecommunication services, and disaster management capabilities. The CS highlighted that the government is leveraging Public-Private Partnerships (PPPs) with mobile network operators. Last month, a total of 330,000 low-cost mobile phones were produced, out of which 268,000 units were sold through Safaricom



CS, MICDE, Elud Owalo (center) flanked by The Aga Khan University President and Vice-Chancellor Dr. Sulaiman Shahabuddin (right) and Global CIO, Aga Khan University, Shaikat Ali Khan (left) during the Digital Transformation Conference in Nairobi.

outlets. Owalo emphasized that the production of these mobile devices is largely a function of the private sector, all aimed at supporting digital entrepreneurship. Presently, the CS said, a manufacturing plant in the country is assembling the mobile phone devices with the aim of going into full scale production of the phones and other digital devices

in the near future.

The CS further explained that the Government has adopted a collaborative approach that includes partnerships with the private sector to drive innovation and investment in the country. He assured that the public that the private sector is focused on how to foster innovation, enhance service delivery and ensure no

citizen is left behind in the digital revolution.

"Eradicating poverty is an important objective for us all. Improved digital infrastructure and internet connectivity are powerful tools in our mission to build skills, expand job opportunities and reduce poverty," the CS said.

He noted that Kenya's vibrant tech ecosystem continues to grow and the Government remains committed to providing the right policy framework and enabling environment to support this growth. The CS further said that the Kenya National Digital Master Plan 2022-2032 sets out the country's blueprint for leveraging ICT in its ambitions for a growing sustainable digital economy.

Owalo recognized the outstanding contribution of the Aga Khan Development Network to development across the region for several decades adding that digital transformation is essential for driving the social and economic development of the East African region and Africa at large.

Kenya has approximately 68.8 million cellular mobile connections, reflecting a penetration rate of 121% of the population, which is around 57 million.

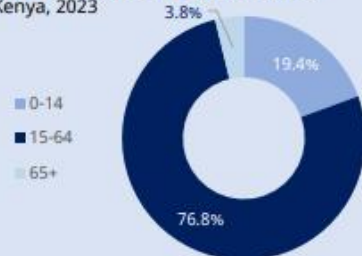
Kenya | Country Health Profile

Demographic

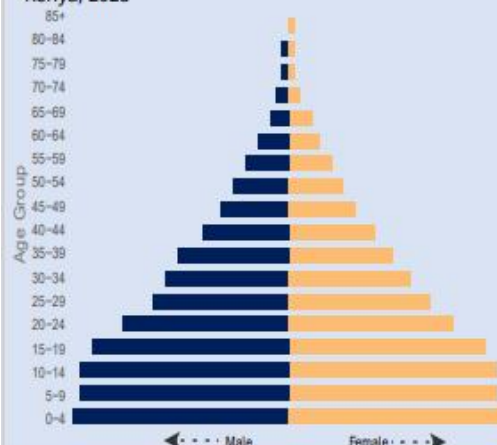
In Kenya, the current population is 55,339,003 as of 2023 with a projected increase of 51% to 83,593,239 by 2050.



Age distribution of population (%)
Kenya, 2023



Population by age and sex (millions)
Kenya, 2023



Disclaimer: The figures are extracts from different official government sources. They are to be interpreted within the local context. The designations employed and the presentation of the material in this publication do not imply the expression of any opinion whatsoever on the part of WHO. Creation date: 03 February 2025 | Sources: Census 2019, KDHS 2022, KNBS and WHO | Technical Feedback: Cosmas Leonard cosmasl@who.int | Samuel Omara samuelo@who.int | WHO Kenya - www.who.int

Health status indicators



Risk factor indicators



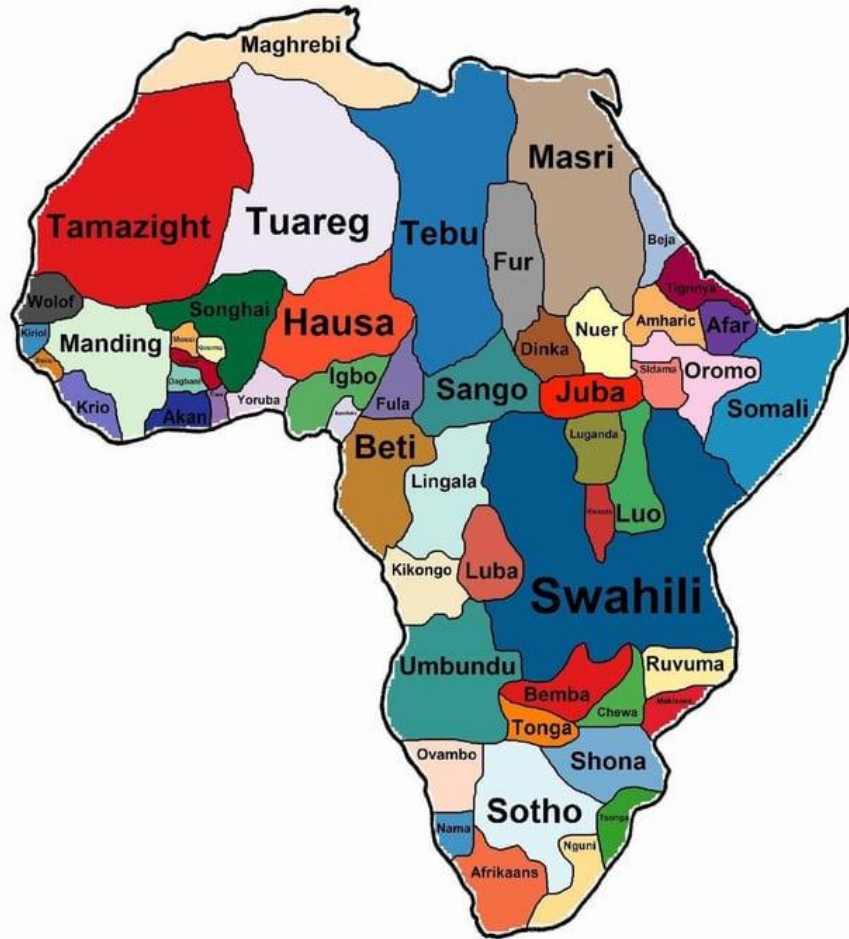
Service coverage indicators



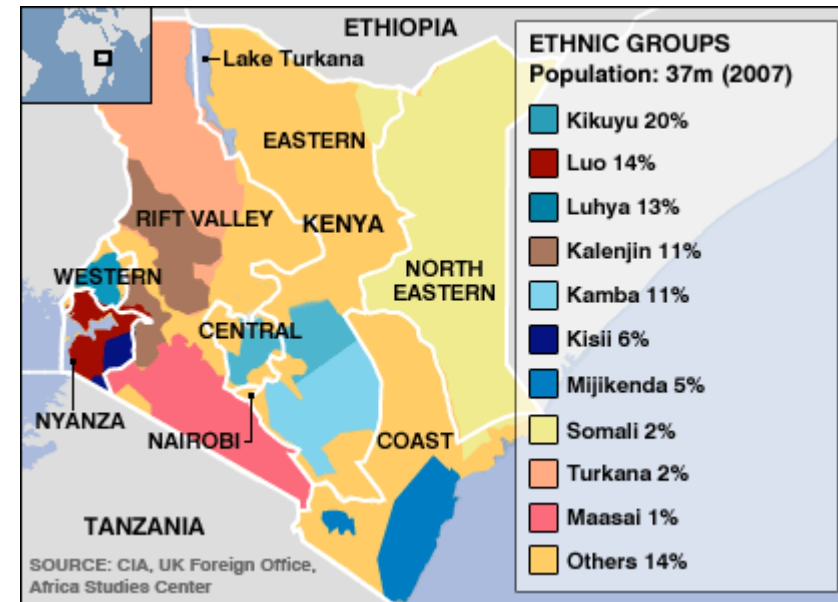
Health systems indicators



Opportunities & Challenges of entering the African Market



1000 languages



68 languages

**98.5%**

Accuracy

< 2 seconds

Speed







50+ file types

Formats

15+ African languages

Languages

Imagine having the world's most brilliant medical minds working alongside you. Our revolutionary AI doesn't just analyze—it thinks, learns, and evolves with every case, transforming you into a superhuman diagnostician.

 Medical Image Analysis
(X-rays, CT, MRI, Ultrasound) Automated Report
Generation Multi-Modal File
Processing Real-time Diagnostic
Assistance Integration with EHR
Systems African Language
Support**Experience Doctors Assistant****Learn More**



Multi-lingual AI Doctor Assistant



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Pawanax AI is a Multi-agent SOAP notes technology

SOAP notes is a structured method for documenting patient information in healthcare settings.

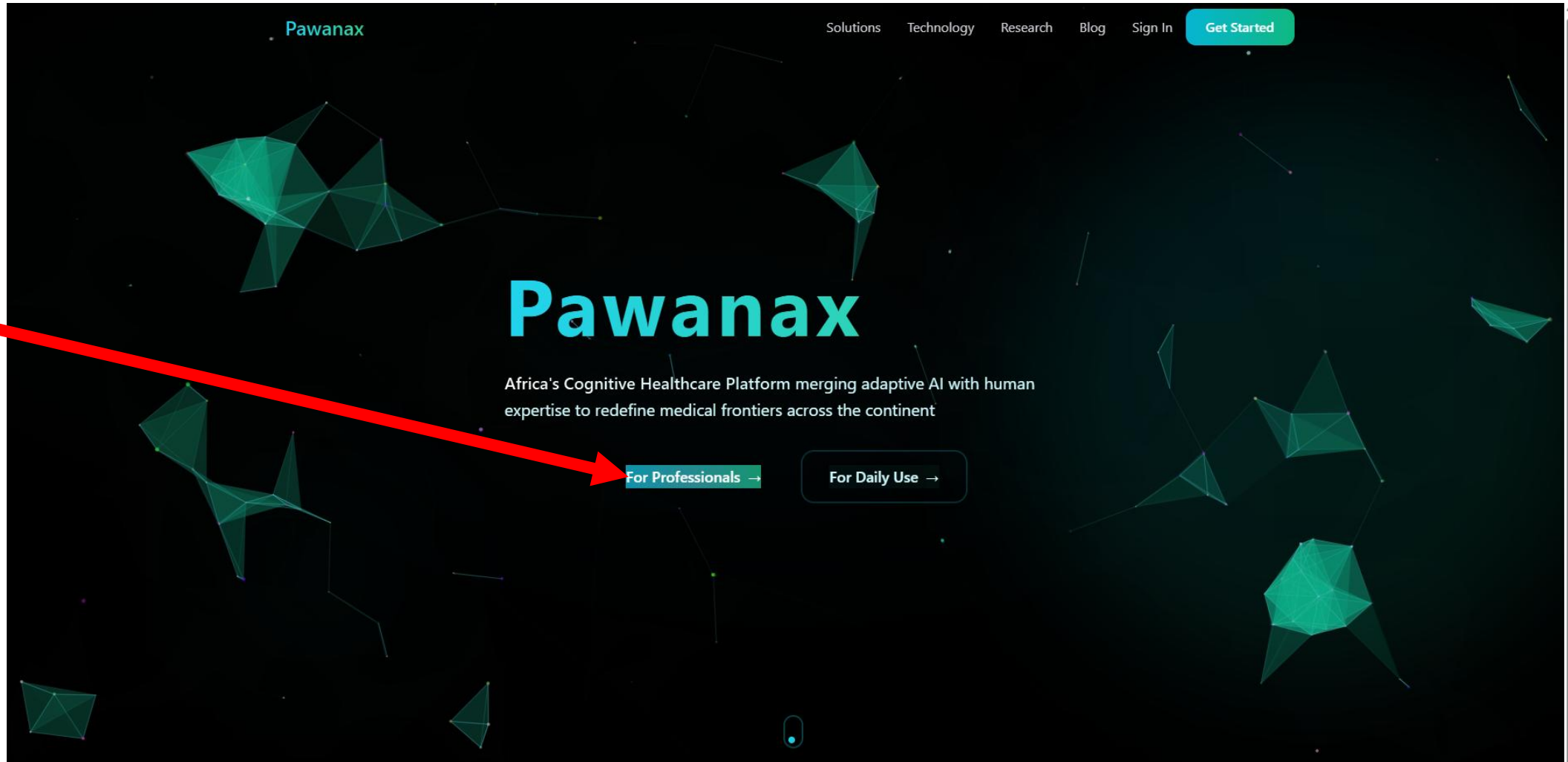
Subjective: Information reported by the patient, including symptoms and feelings.

Objective: Observable and measurable data, such as vital signs and test results.

Assessment: The healthcare provider's interpretation of the subjective and objective information, including diagnoses.

Plan: The proposed treatment plan, including medications, therapies, and follow-up appointments.

Step 2: Access Doctors Portal via Professionals Tab



Pawanax AI Medical Agents



AI Diagnosis Assistant

Advanced symptom analysis with medical reasoning



Medical Image Analysis

Upload X-rays, scans, or photos for AI interpretation



Voice Medical Notes

Speak your symptoms, get structured medical records



Drug Interaction Checker

Scan medications and verify safety interactions



Medical Document Generator

Create professional medical reports and summaries



Health Monitoring

Track vitals and get personalized health insights


Medical Image & Voice Analysis

- **Live Demonstration using CT scan specimen, skin analysis, voice note analysis and medical file review to produce a diagnosis and treatment plan.**

FOR 1 CLINICIAN

\$79/mo \$99/mo

7-Day Free Trial

 7-Day Money-Back Guarantee


IF YOU GET PRO, YOU CAN:

- ✓ Unlimited visits with AI SOAP notes
- ✓ Unlimited custom templates
- ✓ Priority customer support
- ✓ HIPAA-Compliant
- ✓ Add members to form a team

Competitor

VS

Regional Offer



Budget (Africa)

Affordable power for practitioners and clinics in Africa.

Available in Africa only. [Detect location](#)

\$30
/mo

- ✓ Medical Research Agent
- ✓ Doctor's Dashboard
- ✓ 500MB secure storage
- ✓ 3 Languages Support

Get started

Monthly

Annually

SAVE 20%

USD



KES



Essential

Explore Pawanax with core AI tools for your practice.

Free

- ✓ General AI agent
- ✓ Multimodal analysis
- ✓ 500MB secure storage
- ✓ English + Kiswahili support

Start free



Professional

Scale your practice with the complete AI toolkit.

\$160

/mo

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- ✓ Everything in Starter
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- ✓ Team Chat Rooms
- ✓ Pharmacy integration

Choose Professional



Enterprise

Custom-built solutions for hospitals and large networks.

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- ✓ EMR integrations
- ✓ Advanced analytics
- ✓ 24/7 dedicated support

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Partner with us

1. Donate to support the
Freemium Subscription
through **KESNET** a 501c3
organization



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2. Test, use & advise us on our
App



Scan the QR code

3. Acquire partial ownership



Conclusion

- **Comprehensive Multi-Agentic System**
- Addressing critical healthcare gaps with Africa's first AI system.
- **Eliminating Barriers**
- Native language support across diverse African populations.
- **Empowering Clinicians**
- AI-powered diagnostic support.
- **Improving Patient Self-care**
- AI powered comprehensive care that includes nutrition, exercise, mental wellness, e.t.c.
- **Job & Wealth Creation**

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