








Healthcare in Nigeria

The Promises of Digital
Transformation



INFOGRAPHICS

HOW DOES NIGERIA'S HEALTHCARE INDICATORS RANK ACROSS AFRICA'S TOP-FIVE ECONOMIES?

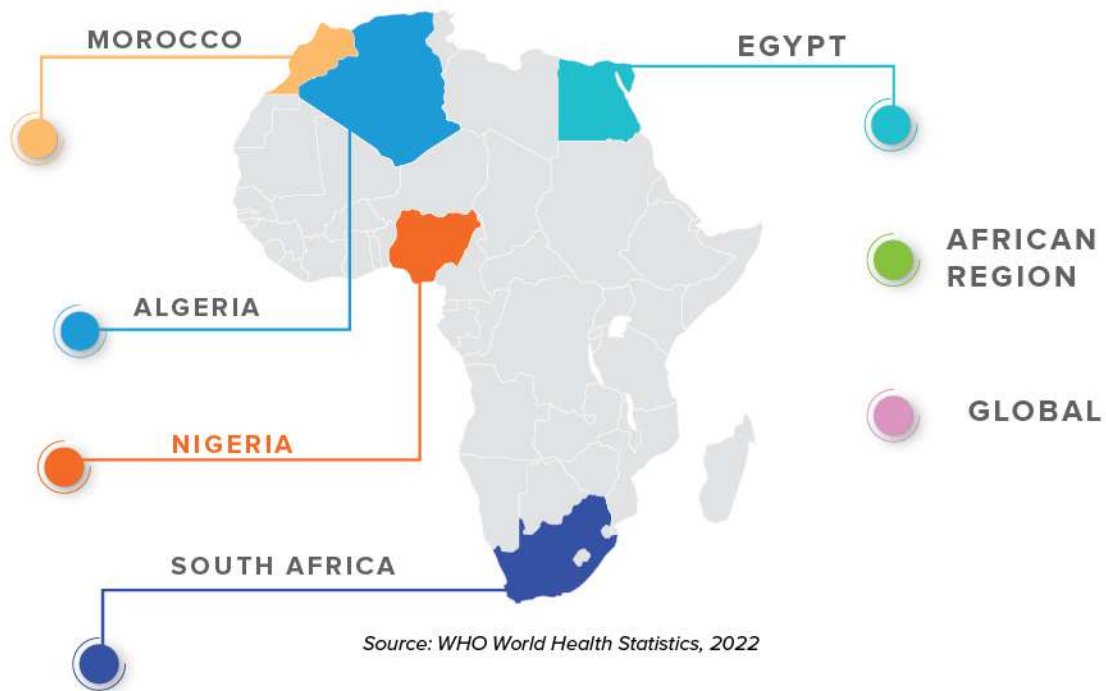
	Healthy life expectancy at birth (years)	Maternal mortality ratio (per 100000 live births)	Proportion of births attended by skilled health personnel (%)	Under-five mortality rate (per 1000 live births)	Malaria incidence (per 1000 population at risk)	Density of medical doctors (per 10 000 population)	Density of nursing and midwifery personnel (per 10 000 population)	Density of pharmacists (per 10 000 population)	Government health expenditure (as a % of annual budget)
 Nigeria	54.4	917	43	114	313.8	3.8	15.0	1.2	3.8
 Egypt	63	37	92	19	-	7.5	19.3	4.6	4.7
 South Africa	56.2	119	97	32	0.8	7.9	49.7	2.7	15.3
 Algeria	66.4	112	99	23	-	17.2	15.5	4.5	10.7
 Morocco	63.7	70	87	19	-	7.3	13.9	2.6	7.1
 African Region	56.0	525	65	72	232.8	2.9	12.9	0.8	6.9
 Global	63.7	211	84	37	59.0	16.4	39.5	4.7	10.5

Source: WHO World Health Statistics, 2022
*Red fonts indicate worst performance



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KEY HEALTHCARE INDICATORS ACROSS AFRICA'S LEADING ECONOMIES



Indicator	MOROCCO	ALGERIA	NIGERIA	SOUTH AFRICA	EGYPT	AFRICAN REGION	GLOBAL
Healthy life expectancy at birth (years)	54.4	63	56.2	66.4	63.7	56.0	63.7
Maternal mortality ratio (per 100000 live births)	917	37	119	112	70	525	211
Proportion of births attended by skilled health personnel (%)	43	92	97	99	87	65	84
Under-five mortality rate (per 1000 live births)	114	19	32	23	19	72	37
Malaria incidence (per 1000 population at risk)	313.8	-	0.8	-	-	232.8	59.0
Density of medical doctors (per 10 000 population)	3.8	7.5	7.9	17.2	7.3	2.9	16.4
Density of nursing and midwifery personnel (per 10 000 population)	15.0	19.3	49.7	15.5	13.9	12.9	39.5
Density of pharmacists (per 10 000 population)	1.2	4.6	2.7	4.5	2.6	0.8	4.7
Government health expenditure (as a % of annual budget)	3.8	4.7	15.3	10.7	7.1	6.9	10.5



Source: Healthcare In Nigeria: The Promises of Digital Transformation

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Nigeria needs a healthy workforce to sustain a healthy economy. Here are some nine (9) must-haves that will facilitate digital transformation of the Nigerian healthcare system:



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- 1** A robust digital healthcare policy to provide direction to healthcare providers, patients, investors, regulators, and other ecosystem stakeholder groups. 
- 2** Hybrid healthcare architecture given the prevalent digital divide and weak infrastructure. 
- 3** Digital training in medical universities and teaching hospitals to develop healthcare workers for the digital age. 
- 4** Data collection, protection, analysis, and use are crucial; without which it will be impossible to operationalise any system-wide digital interventions. 
- 5** Broadband Internet is an enabler that we must get right. 5G remains a game changer for digital healthcare interventions. 
- 6** Increased health-tech investments to deliver local solutions to perennial frictions in the sector. 
- 7** Digital tech enablement for research, disease monitoring and public health education. 
- 8** Health insurance must be made to work. Universal health coverage is the backbone of modern healthcare delivery. 
- 9** Digital identity is an asset to healthcare, and at the heart of the future of digital care. 

DIGITAL ID used by a patient (Ada)

to access medical care in a virtual setting.



REGISTER & SCHEDULE

Ada has been having headache and fever for days and needed to consult with a doctor in her preferred hospital virtually. She downloads the healthcare coverage application, registers, and uses her mobile wallet (or NHIS/NIN card details) to identify/authenticate herself.

CHECK-IN

On the day of her appointment, Ada logs into the healthcare application and verifies her identity with the digital ID on her device; accepts the terms and conditions and then proceeds with her virtual appointment.

CONSULTATION & LABORATORY VISITS

During the appointment, the doctor accesses Ada's electronic health record, asks her necessary questions, and then refers her to a laboratory/diagnostics centre (if necessary).

PICKUP PRESCRIPTION

Ada then specifies that the prescription be sent to her preferred pharmacy (still within the care ecosystem), verifying herself with her digital ID.

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