



Context?

Definition?

Parameters











What is healthcare?

"efforts made to maintain or restore physical, mental, or emotional well-being especially by trained and licensed professionals"

Main topics

-  Current statistics
-  Current Healthcare landscape
-  Current efforts
-  Proposed framework

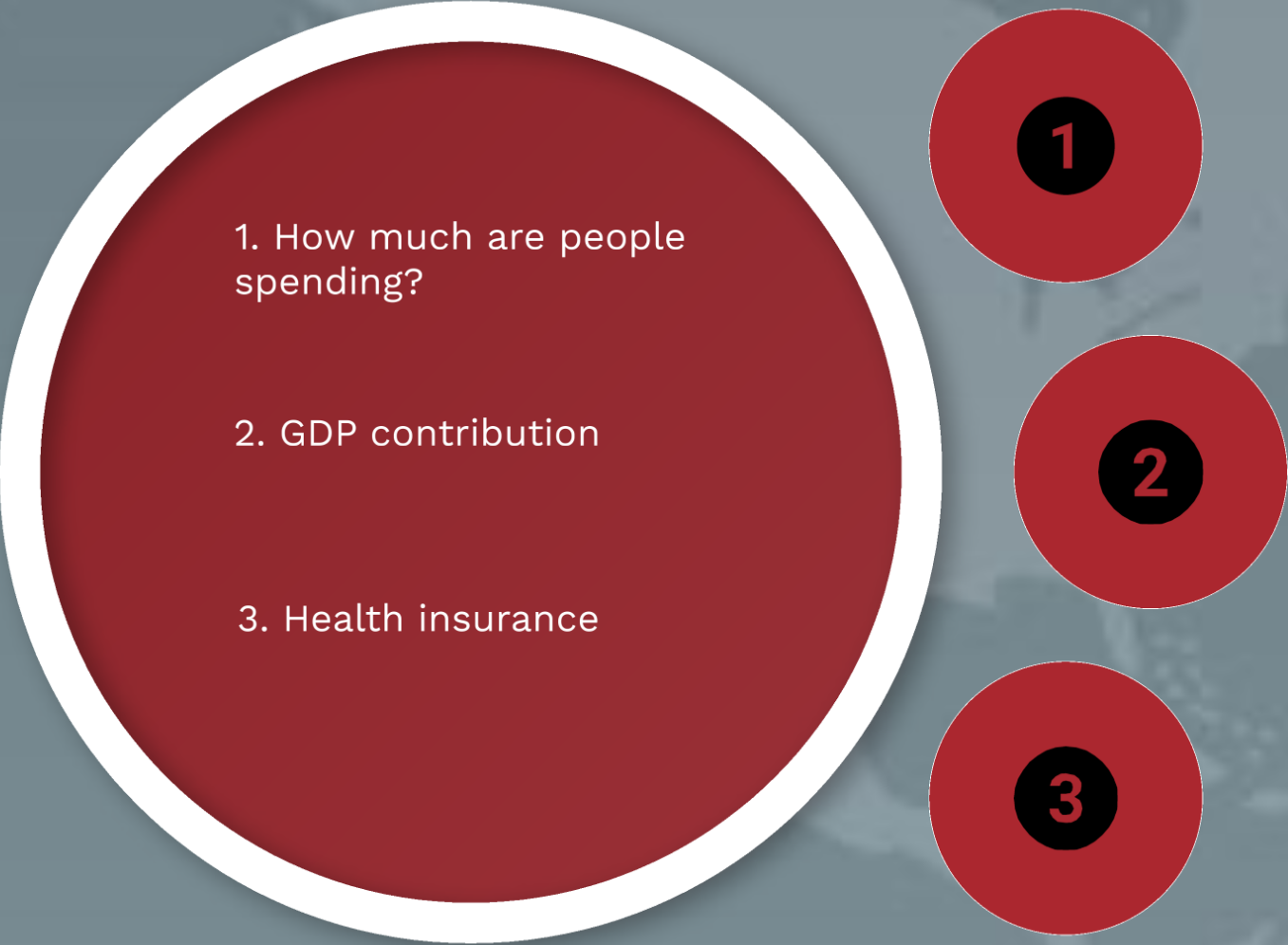


1. Affordability

2. Accessibility

3. Mortality





1. How much are people
spending?

2. GDP contribution

3. Health insurance

1

2

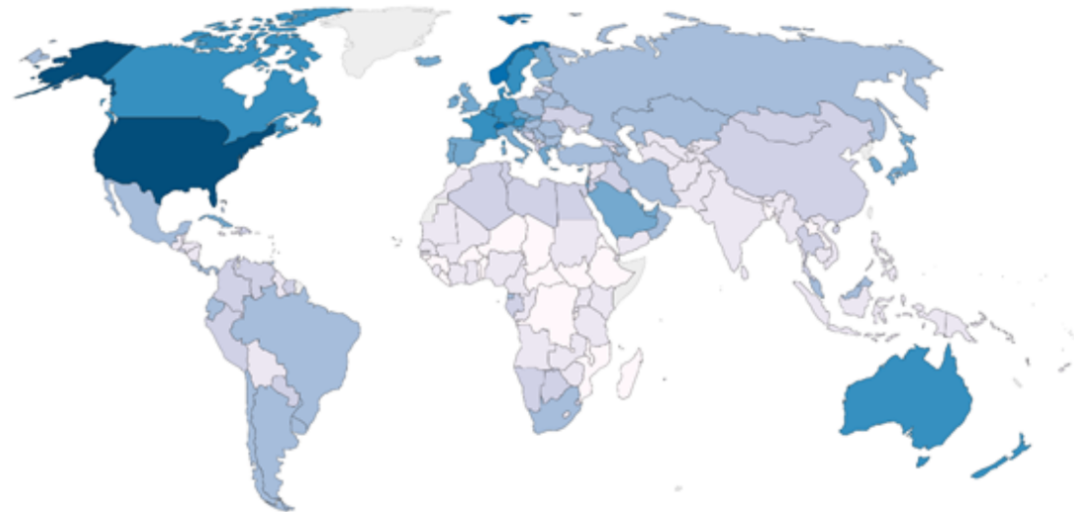
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- USA, Europe and Australasia >\$6000
- South America similar to South Africa and China
- Rest of Africa >\$500

Annual healthcare expenditure per capita, 2014

Adjusted for inflation and price differences between countries and expressed in constant international-\$ in 2011 prices.

Our World
in Data



Source: World Bank - WDI

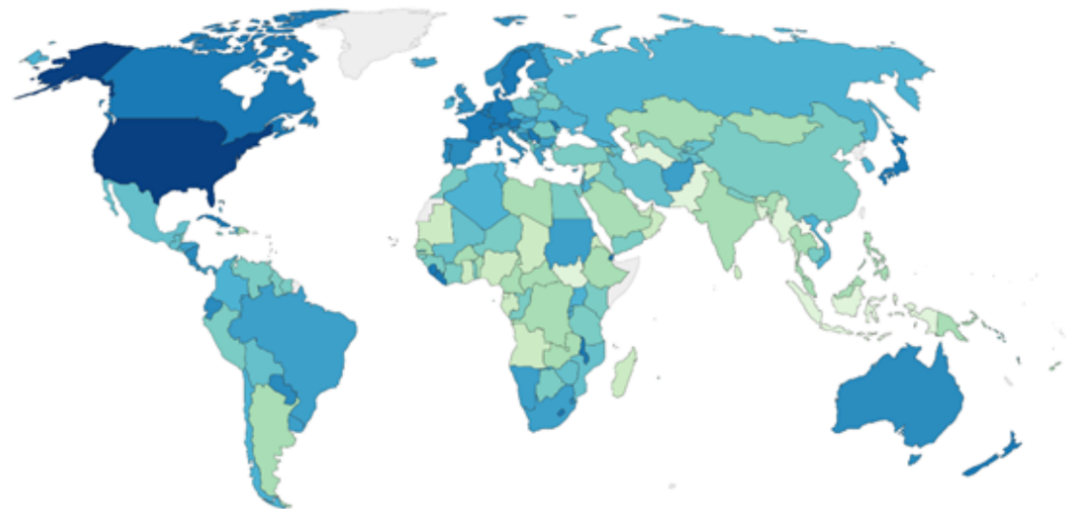
OurWorldInData.org/financing-healthcare/ • CC BY

- Africa spends approx. 10% max
- USA spends the most
- Lowest % found in 3rd world

Total Healthcare Expenditure as Share of National GDP by Country, 2014

Total Healthcare expenditure by country (% of corresponding national GDP)

Our World
in Data



Source: World Bank - WDI

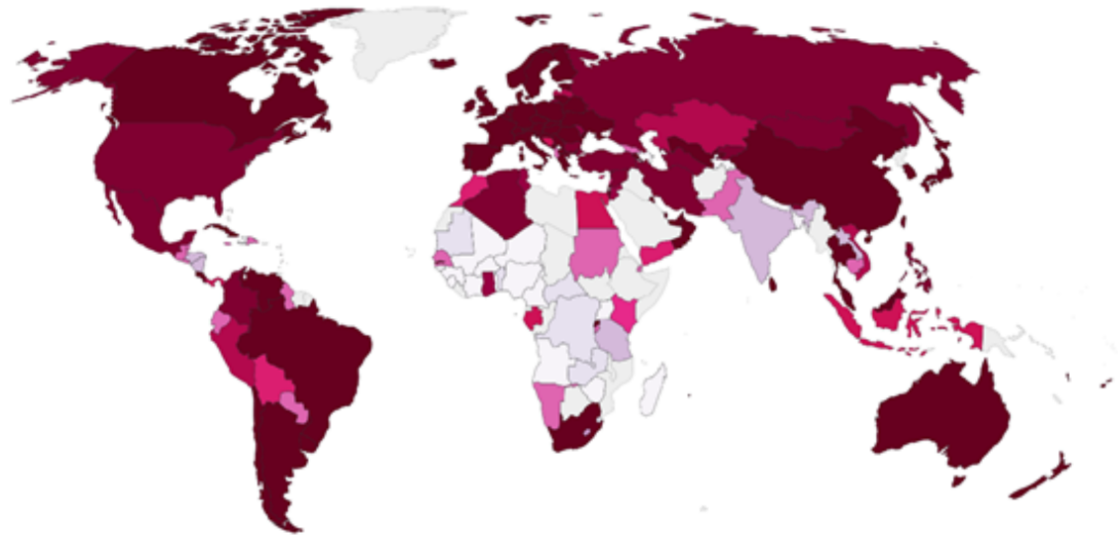
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- Other than SA, health insurance is mostly non-existent in Africa
- Health insurance is prevalent in most of the world

Percentage of population covered by health insurance, 2011

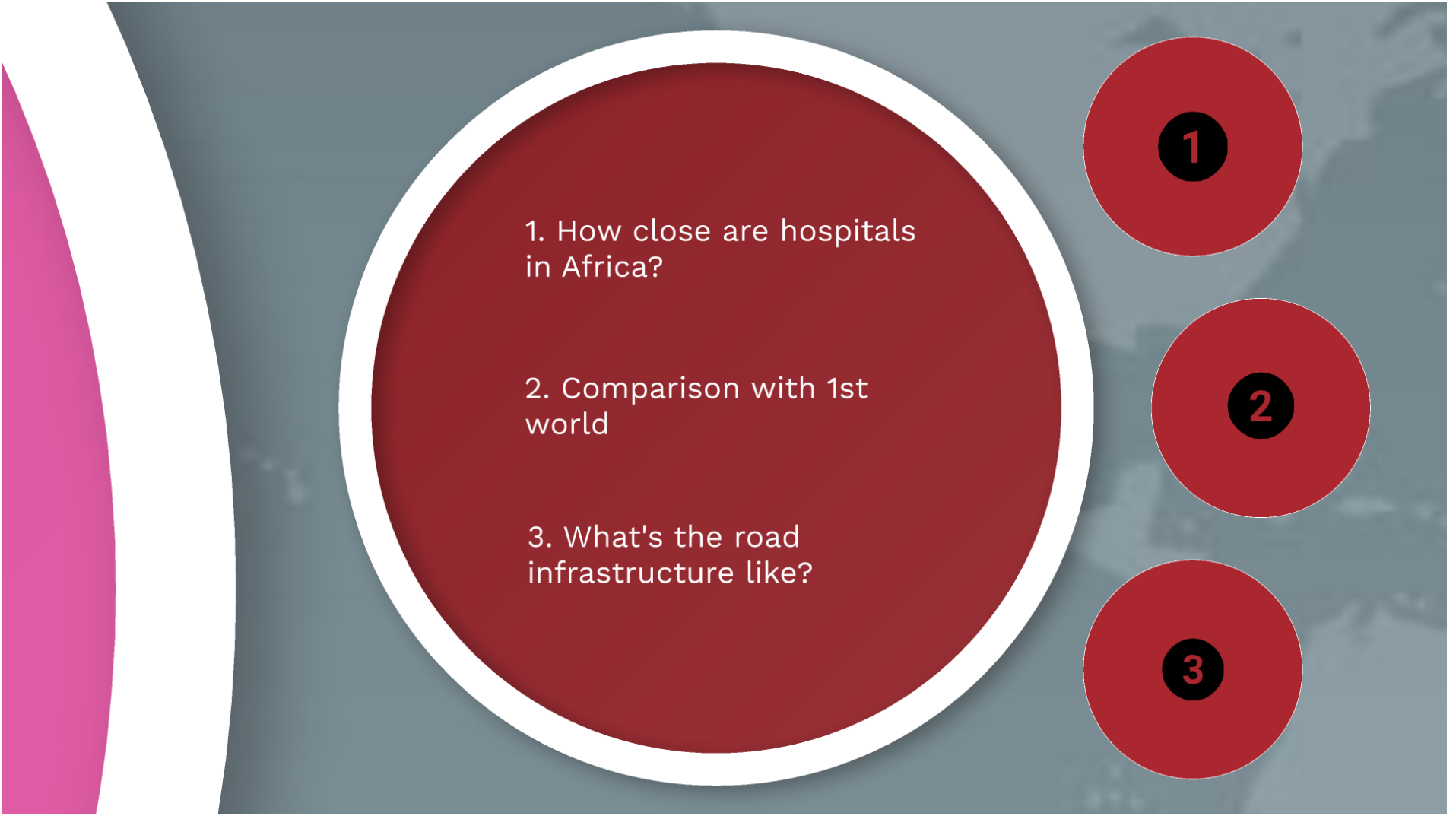
Estimate of health insurance coverage as a percentage of total population. Coverage includes affiliated members of health insurance or estimation of the population having free access to health care services provided by the State.

Our World
in Data



Source: OWID based on ILO (2014) and OECD (2017)

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1. How close are hospitals
in Africa?

2. Comparison with 1st
world

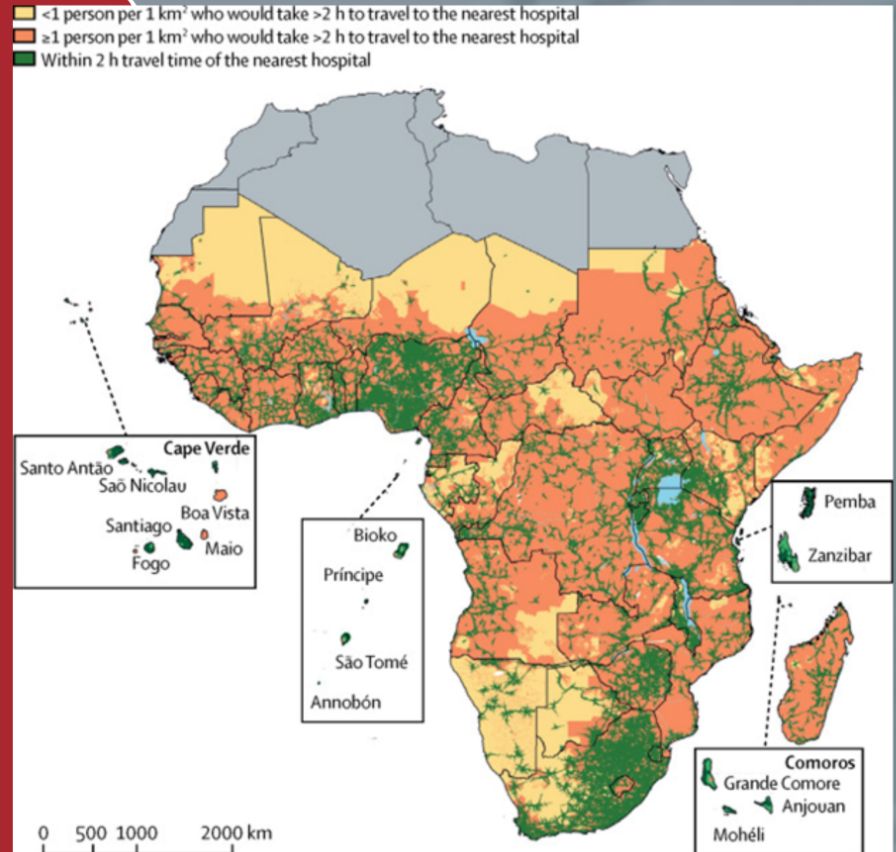
3. What's the road
infrastructure like?

1

2

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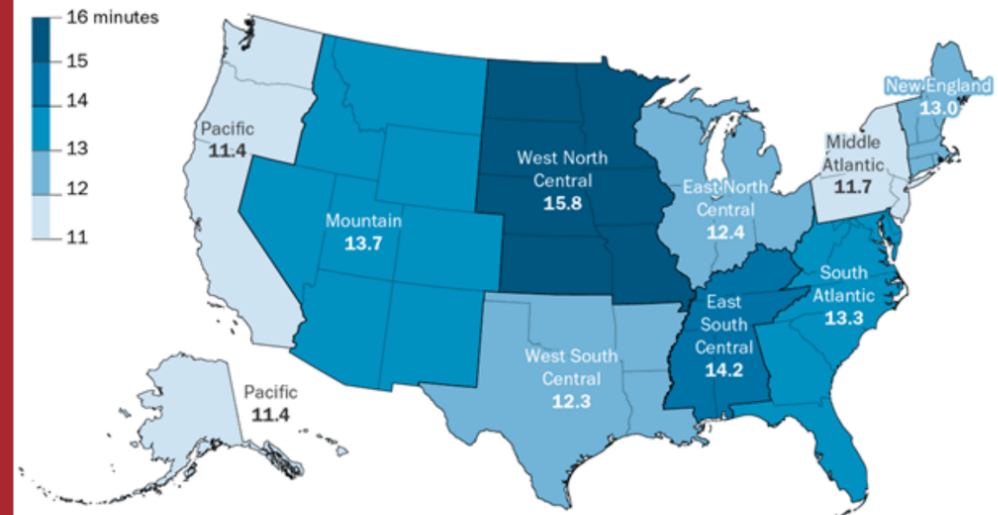
- South Africans generally spend less than 2 h
-
- West Africa (Nigeria), similar to SA
-
- Sub-saharan times are greater than 2 hours



- Worst time in USA is x4 better than in Africa
- Similar observations can be made in Europe
- Traveling by car

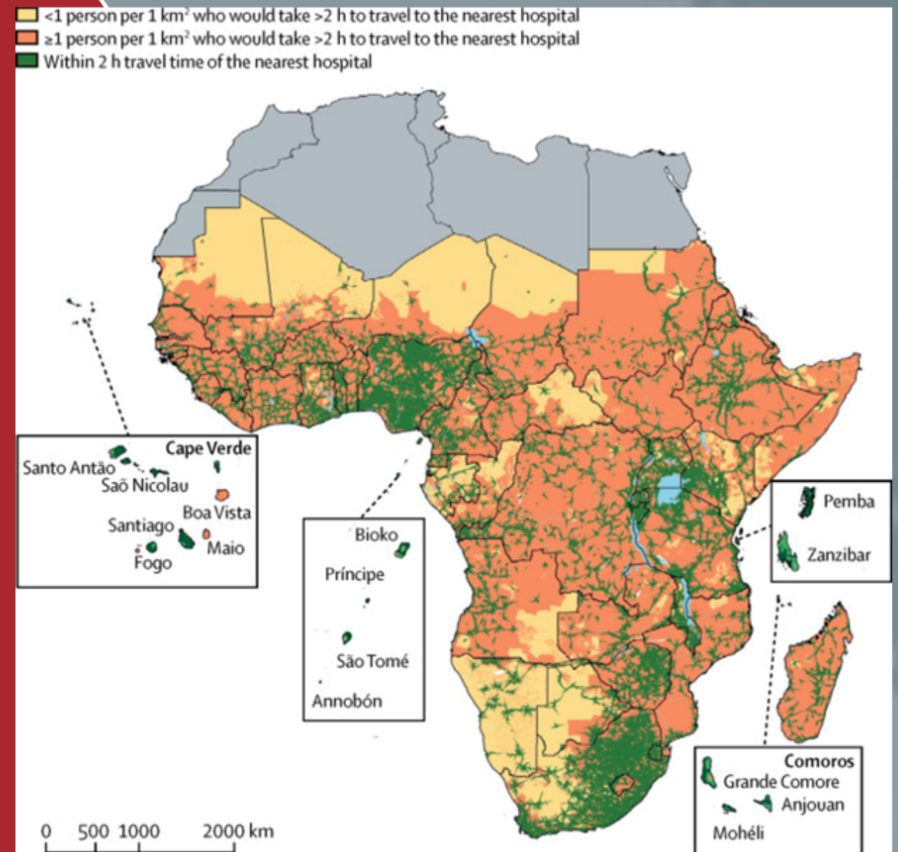
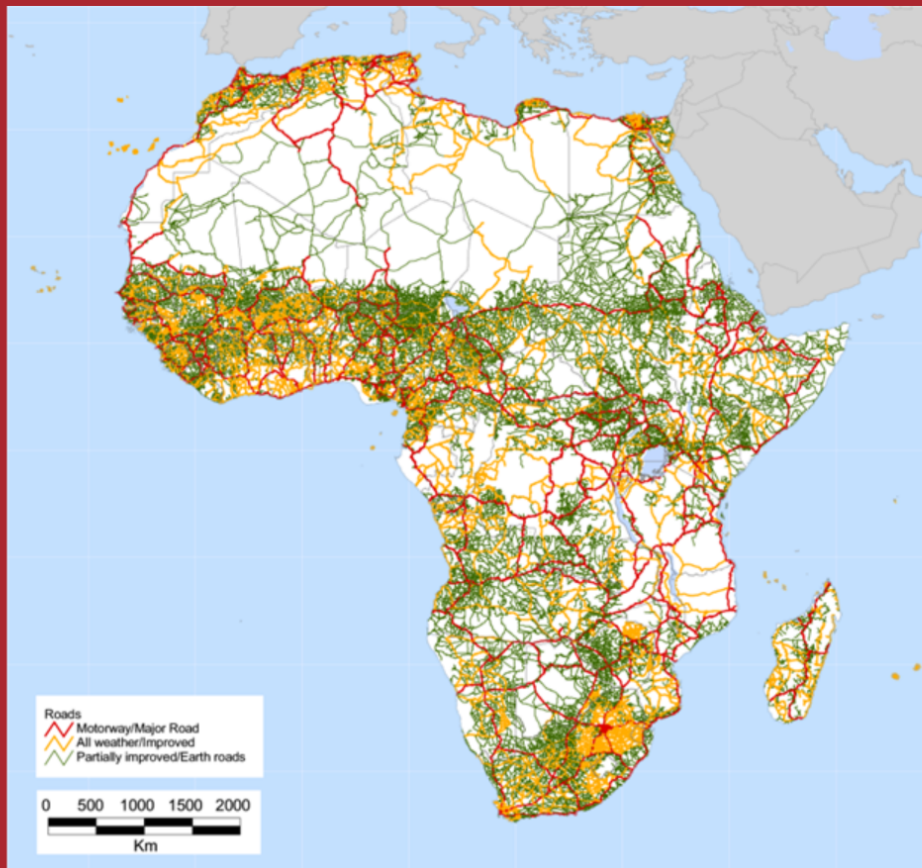
People living in northern Plains states have the longest travel times to the nearest hospital

Average minutes of car travel time to nearest hospital by census region



Source: Survey of U.S. adults conducted Sept. 24-Oct. 7, 2018, and Homeland Infrastructure Foundation-Level data.

PEW RESEARCH CENTER





1. Global mortality?

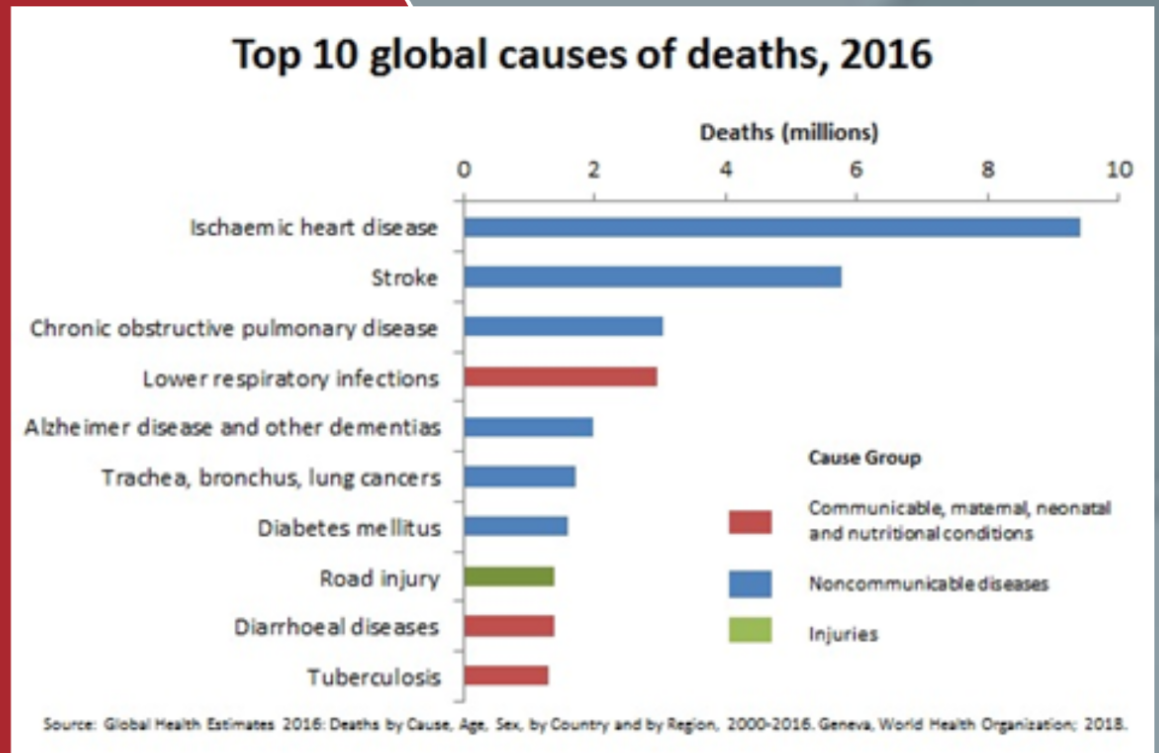
2. High income vs low
income countries

1

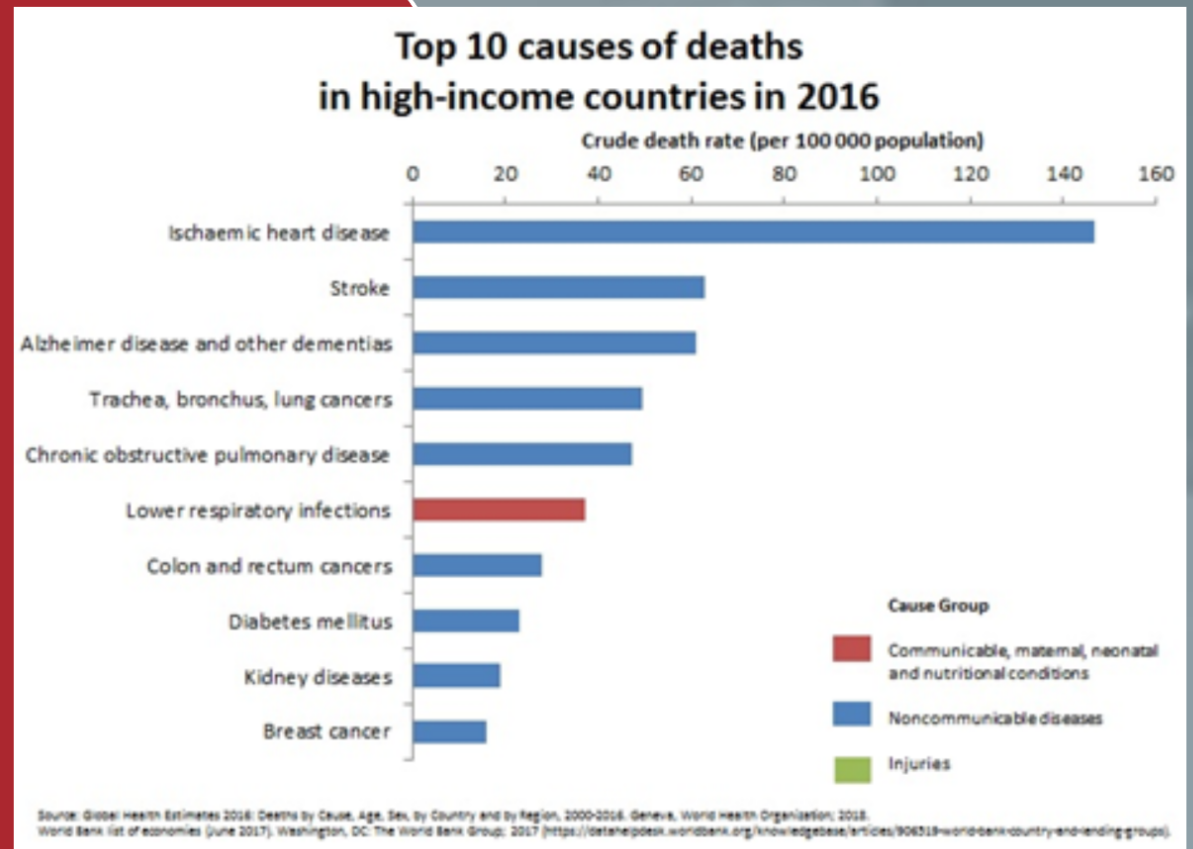
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- Most common is related to cardiovascular
- Lifestyle diseases account for approx. 2 million deaths
- Communicable diseases account for approx. 6 million

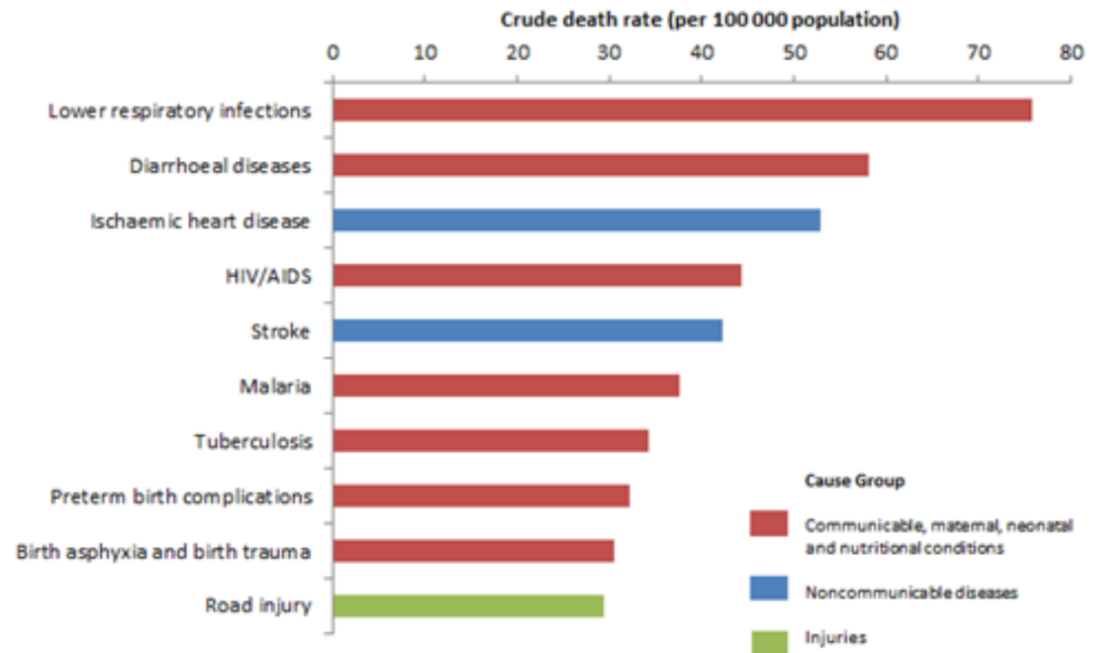


- High income countries: mostly noncommunicable
- Low income countries: communicable
-
- Why the discrepancy?

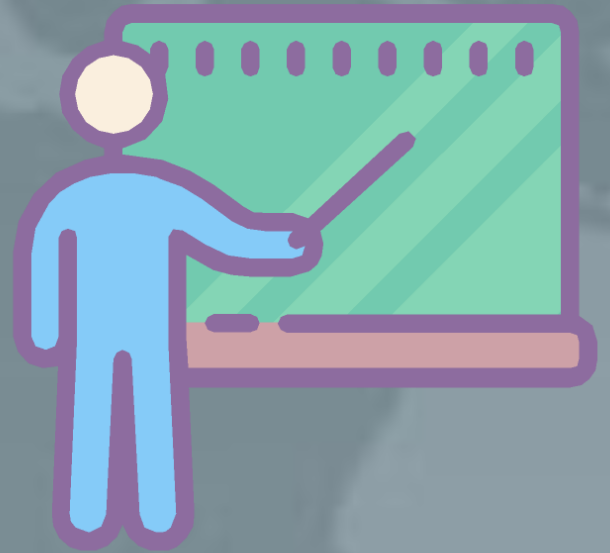


- High income countries: mostly noncommunicable
- Low income countries: communicable
-
- Why the discrepancy?

Top 10 causes of deaths in low-income countries in 2016

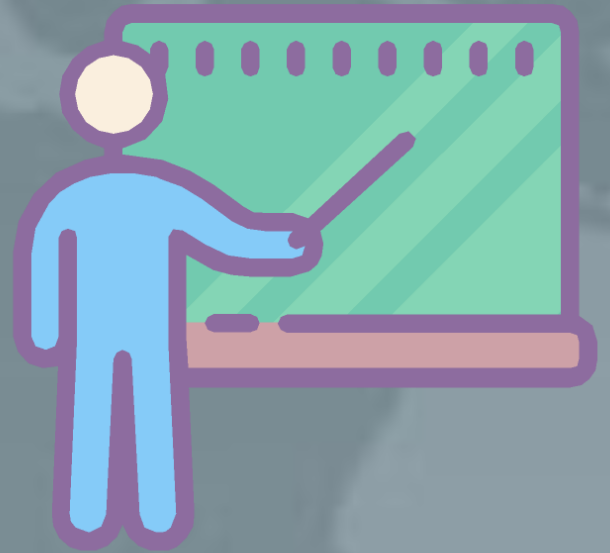


So what?



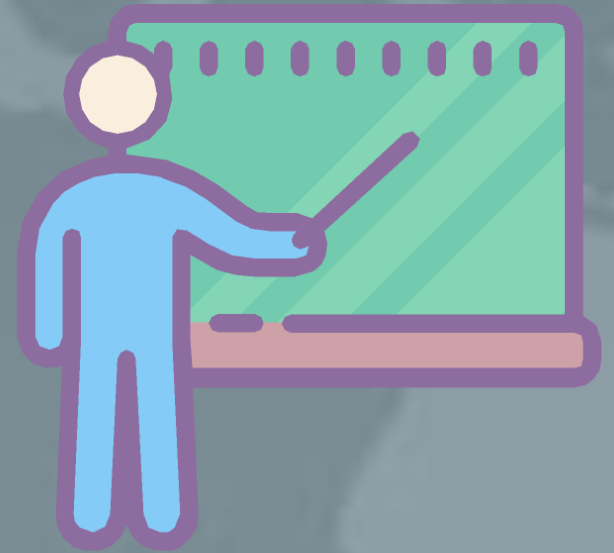
So what?

1. Africa needs to catch up



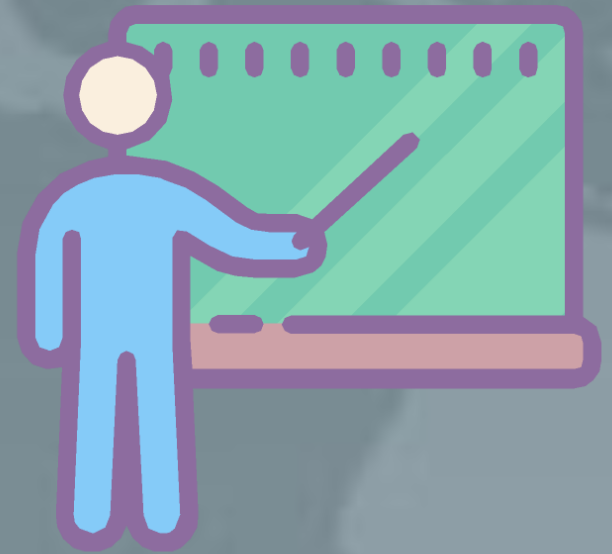
So what?

1. Africa needs to catch up
2. Unique solutions are needed



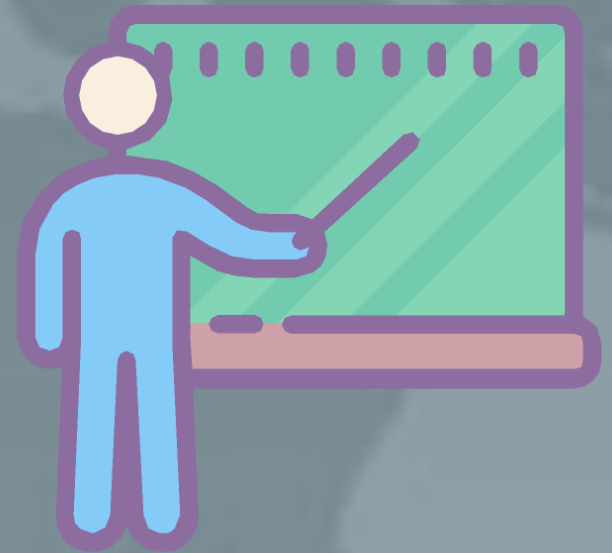
So what?

1. Africa needs to catch up
2. Unique solutions are needed
3. Lack of infrastructure



So what?

1. Africa needs to catch up
2. Unique solutions are needed
3. Lack of infrastructure
4. Not enough healthcare pro's







The South African Health System*

The infographic illustrates the South African health system's structure, divided into two main sectors: Private and Public. The Private Sector focuses on specialist healthcare in private facilities, funded individually, serving 16% of the population with an annual expenditure of over USD 9 billion. The Public Sector provides free healthcare across three tiers, funded by the government through taxes, serving 84% of the population with an annual expenditure of over USD 9.1 billion. Tier 1 consists of primary healthcare clinics as the first line of access. Tier 2 includes district hospitals with more sophisticated treatments, receiving referrals from Tier 1. Tier 3 comprises academic hospitals with advanced diagnostics and treatments, receiving referrals from Tier 2.

Sector	Funding Source	% of Population Served	Annual Expenditure
PRIVATE SECTOR	PAID INDIVIDUALLY	SERVED 16% of the population	> USD 9 billion
PUBLIC SECTOR	FUNDED BY THE GOVERNMENT THROUGH TAXES	SERVED 84% of the population	> USD 9.1 billion

Tier 1: Primary healthcare clinics provide the first line of access to medical attention.

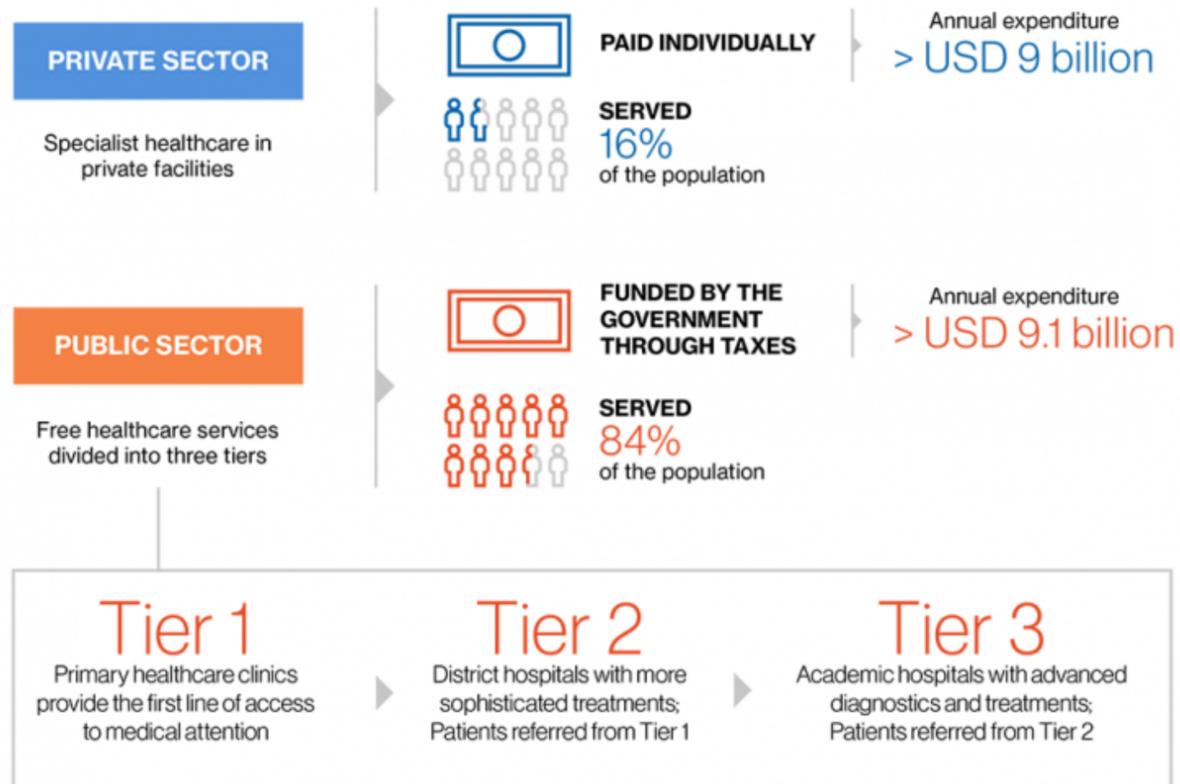
Tier 2: District hospitals with more sophisticated treatments. Patients referred from Tier 1.

Tier 3: Academic hospitals with advanced diagnostics and treatments. Patients referred from Tier 2.

*All numbers for 2015
Source:
Dr. Mervine Johnson (2016). Structure of the health system in South Africa (p. 3-4) https://www.knutsonrnf.nl/action/download/225_30267364dc141655f0cad9fc37e7?int=General+Healthcare+Service (p. 2)-(4) <http://www.statssa.gov.za/publications/P0016/P00160206.pdf>

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Sources:
Dr. Marjorie Jobson (2015). Structure of the health system in South Africa (p. 3–4) https://www.khulamari.net/active-citizens/item/download/225_30267364dc416507dcad919c37ac71.html
General Household Survey 2016 by Statistics South Africa (p. 21–34) <http://www.statssa.gov.za/publications/P0316/P03162016.pdf>

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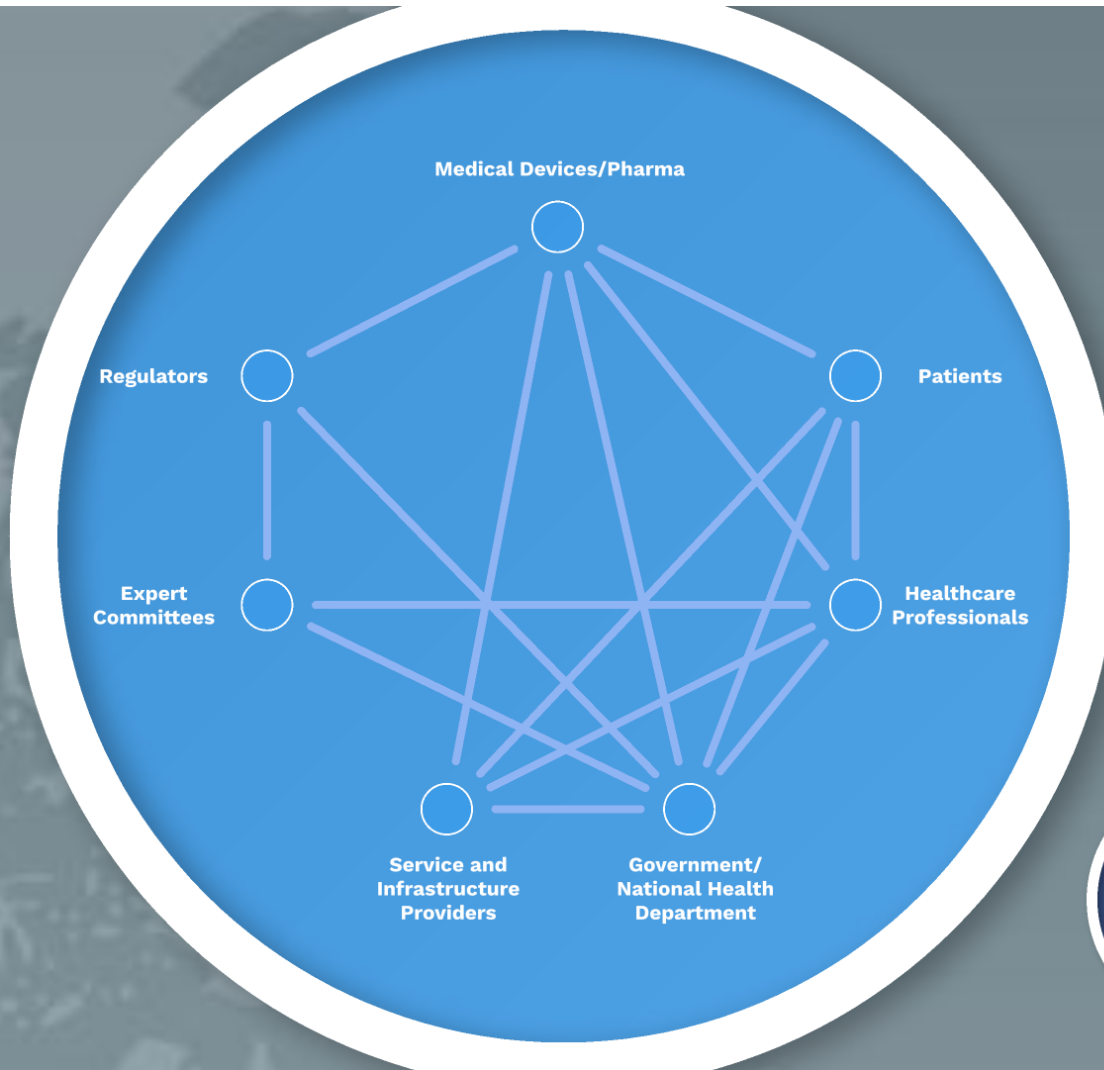


WHO?

**Key Players in
Africa Currently?**

1. Mindray (China) - Patient monitoring and life support
2. Philips (Netherlands) - diagnostic imaging, image-guided therapy, patient monitoring and health informatics
3. Siemens (Germany) - various
4. Canon Medical (Japan) - diagnostic imaging
5. GE Healthcare (USA) - diagnostic imaging
6. Medtronic (Ireland) - technology and healthcare systems
7. Johnson & Johnson (USA) - various



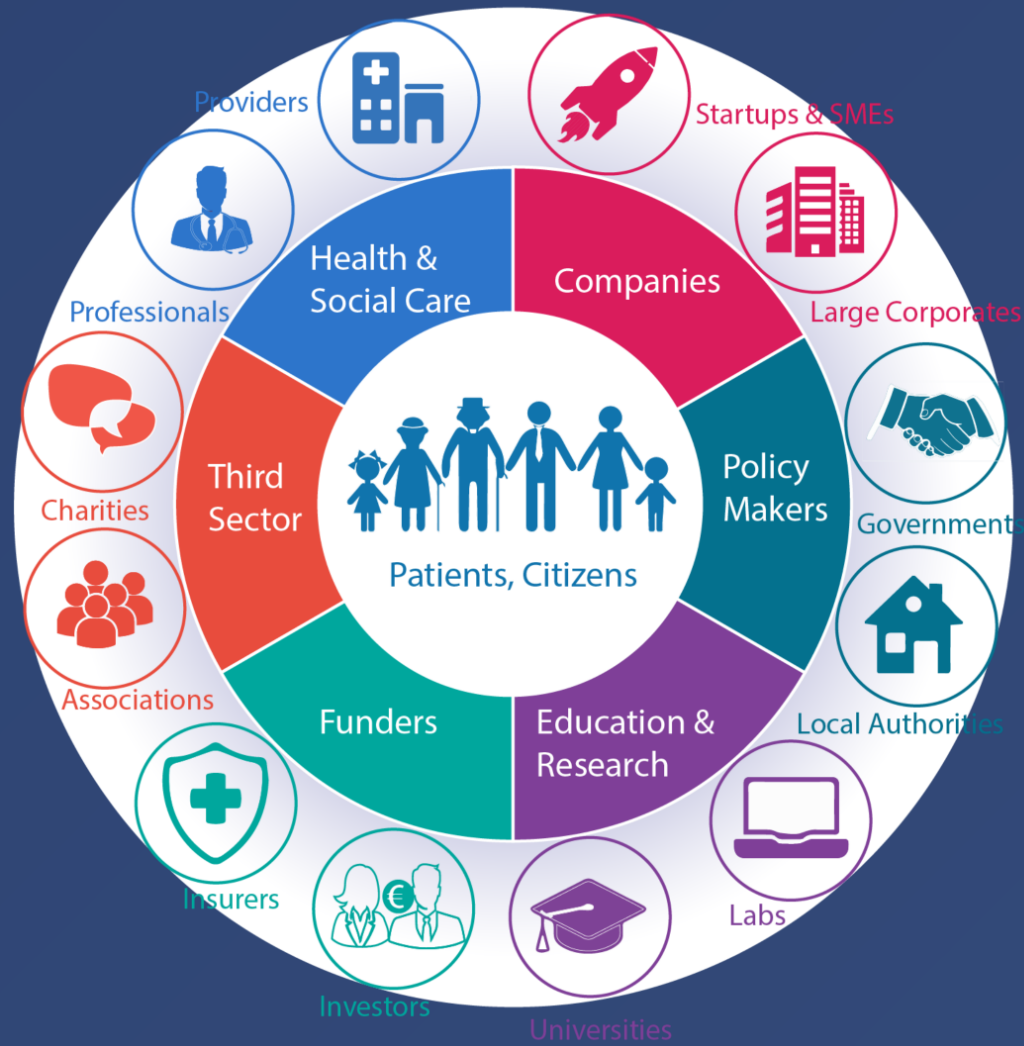


1

2

3





Insert Your Content



How does it all come together?



1. Primary health
2. SME's need support
3. Digital health and tele-medicine
4. African-specific policies

