



The Road from Kigali to Lilongwe, Malawi

Ishrat Husain,
USAID/AFR Senior
Health Advisor

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on Digital Health
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Outline

- Background of this meeting
- Highlights progress and setback for last five years in health sector
- Promise of Africa's bright future in health and development



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New Approach

- Recognition that Africa has all the expertize needed to find solution to the problems. Has special knowledge of implementation issues.
- What was needed was a platform to exchange ideas and experiences among countries particularly in teams of stake holders.
- The stakeholders comprise the governmental and non-governmental organizations, private sector and USAID representative.



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Kigali to Lilongwe: Road Travelled and Road Ahead

Kigali, Feb. 2010
"Accelerating FP Progress"

Nairobi, July 2011
"Effective Community Approaches"

Dar es Salaam, Nov. 2012
"Mobile Technologies"

Dakar, Nov. 2011
"Changing FP Landscape"

Addis Ababa, Nov. 2013
"Scaling Up Mobile Technologies"

Lilongwe, May 2015
"Digital Health for MCH"





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The Road Travelled: Successes and Challenge

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Highest growth rates persist in many countries in Africa

Real GDP Annual Percentage Change

Country	2010	2014
DRC	7.1	9.1
Ethiopia	10.6	10.3
Mali	5.8	6.8
Mozambique	7.1	7.4
Nigeria	10.0	6.3
Rwanda	6.3	7.0
Tanzania	6.4	7.2

5.0%

Percentage growth in
Sub-Saharan Africa in
2014 as a whole



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Declines in Child Mortality: The Best Development Story

Achieved	On Track	Remarkable Progress	Insufficient Progress
Ethiopia	Madagascar	Guinea	Angola
Liberia	Mozambique	Mali	Burundi
Malawi	Niger	Senegal	DRC
Tanzania	Rwanda	Zambia	Ghana
	Uganda		Kenya
			Nigeria

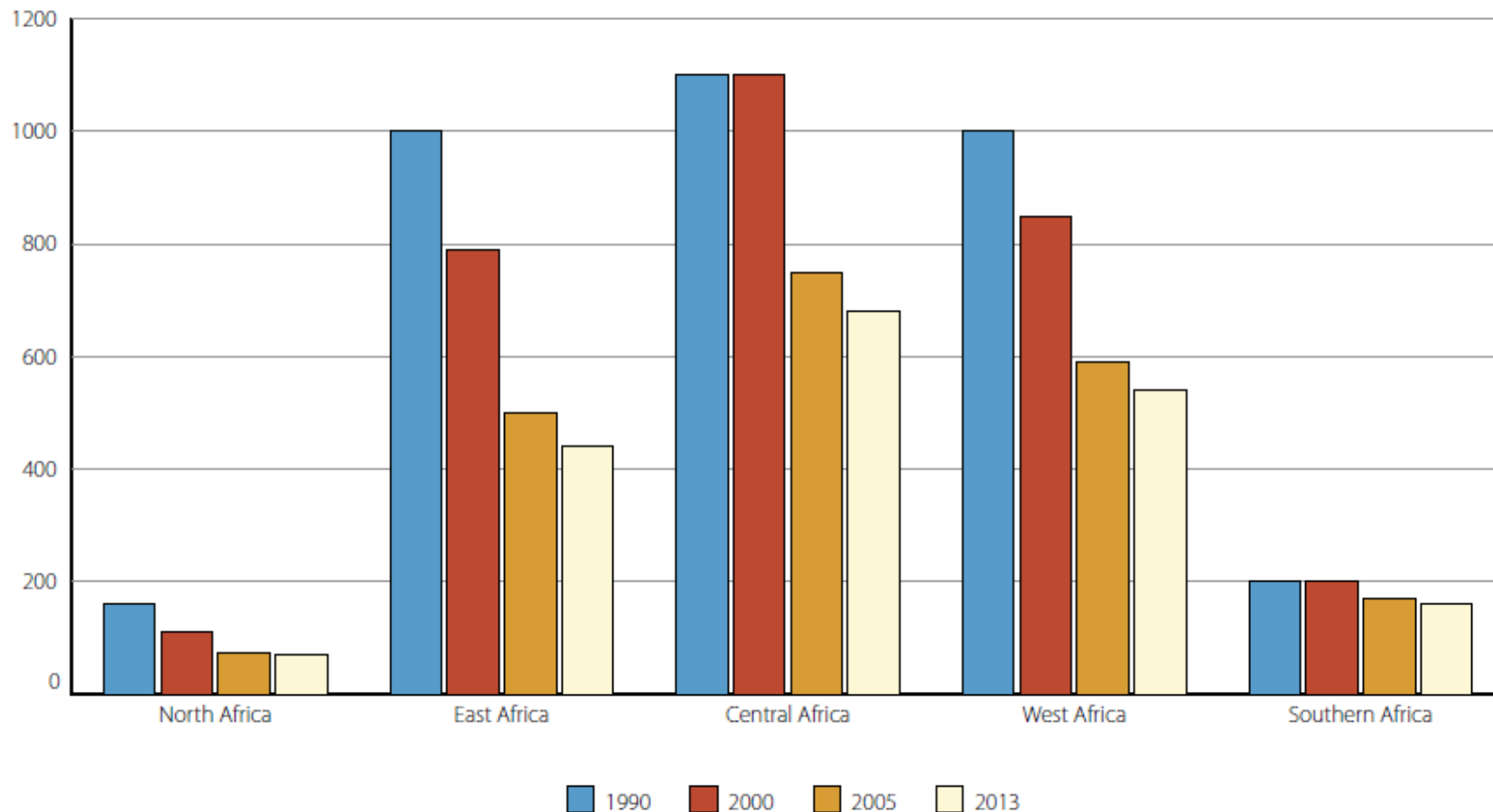
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Declines in Maternal Mortality: Need Stronger Focus

Estimates of Maternal Mortality Ratio (MMR) across African Regions



Notes: MMR estimates show maternal deaths per 100,000 live births

Source: WHO, 2014



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Family Planning:

Countries with high CPR are increasing

Average Annual Increase in MCPR

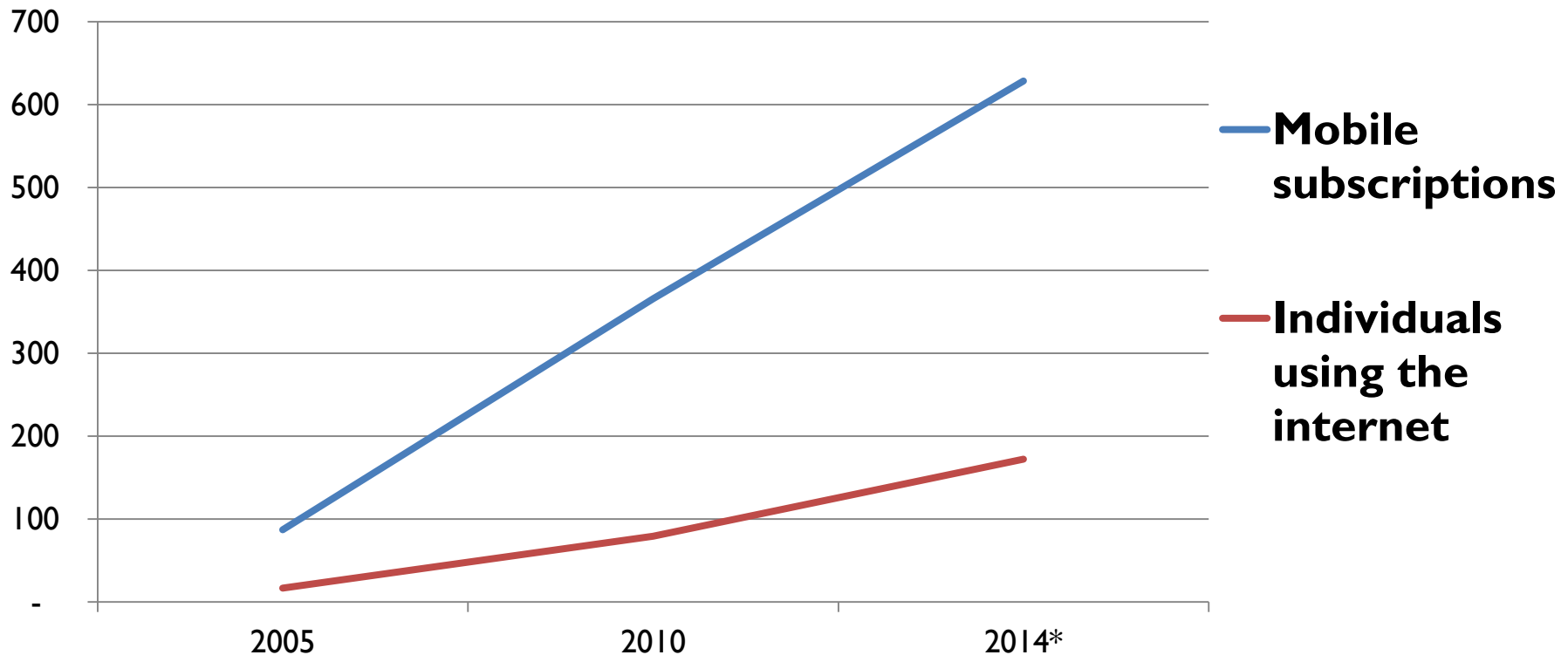
	2010	2015
Rapid Progress (annual increase over 2%)	Ethiopia	Ethiopia
	Kenya	Ghana
	Madagascar	Madagascar
	Rwanda	Malawi
		Rwanda
		Zambia
Encouraging Progress (annual increase of 1-2%)	Malawi	Kenya
	Tanzania	Liberia
	Zambia	Niger
		Senegal
		Tanzania
		Uganda



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ICT: Rapid expansion rivals developed countries

Key ICT Indicators in Africa, in Millions



*Estimate

International Telecommunication Union (ITU) Data



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USAID respond to science and technology needs

Global Development Lab Mission

- To produce breakthrough development innovations
- To accelerate the transformation of the development enterprises






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Global Development Lab Innovations Address Ebola

Current Personal Protective Equipment (PPE)

Face mask fogs within minutes, obscuring vision and communication (often work in 95°F and 95% humidity)

 Assistant may be required to remove PPE

Sleeves ride up on the arm, risking potential exposure

5
piece PPE

28
potential points of contamination

PPE is so hot that healthcare workers lose up to 1.5 liters of sweat per hour


up to 20 minute removal process

31 step doffing process

New Prototype Ebola Protective Suit

1 fully integrated suit


less than 10
potential points of contamination

Wicking base layer and personal cooling system manage heat exposure 

less than 5 minute removal process

8 step continuous doffing process

Integrated vents and large face shield reduce fog, improve communication, and reduce patients' fear when interacting with healthcare workers

 Single person removal process

Fingerless glove liner between inner and outer gloves keeps sleeves securely in place



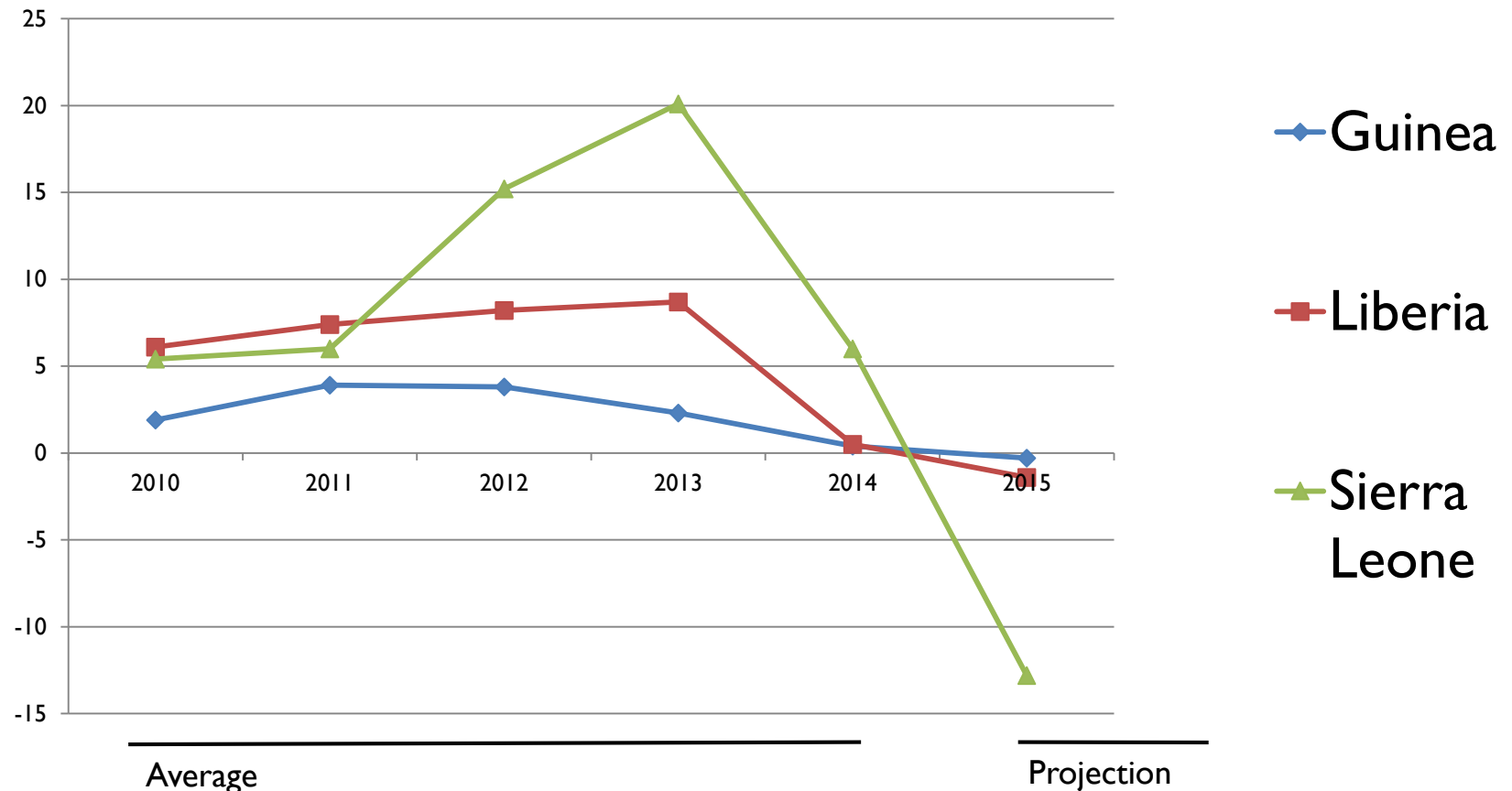


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Ebola: Shook the world, left critical lessons

A year after Ebola, the estimated GDP losses for the three countries through 2015 totals US \$2.2 billion

Real GDP Annual Percentage Change in Ebola-Affected Countries





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Key Lessons from Ebola

- A strong health system and disease surveillance mechanism would have avoided tragedies like Ebola
- Mobile technology is available to reduce the major constraints of the health system and could be used effectively
- Health system reforms using the mobile technology could have been undertaken at much lower cost



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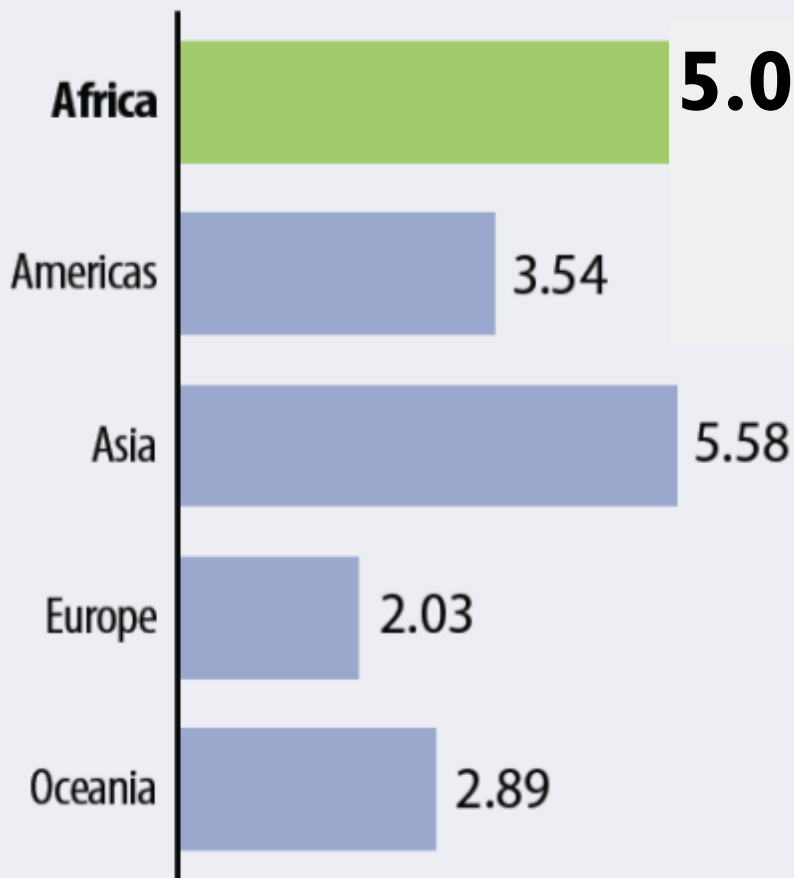
ROAD AHEAD: Africa's Promising Future





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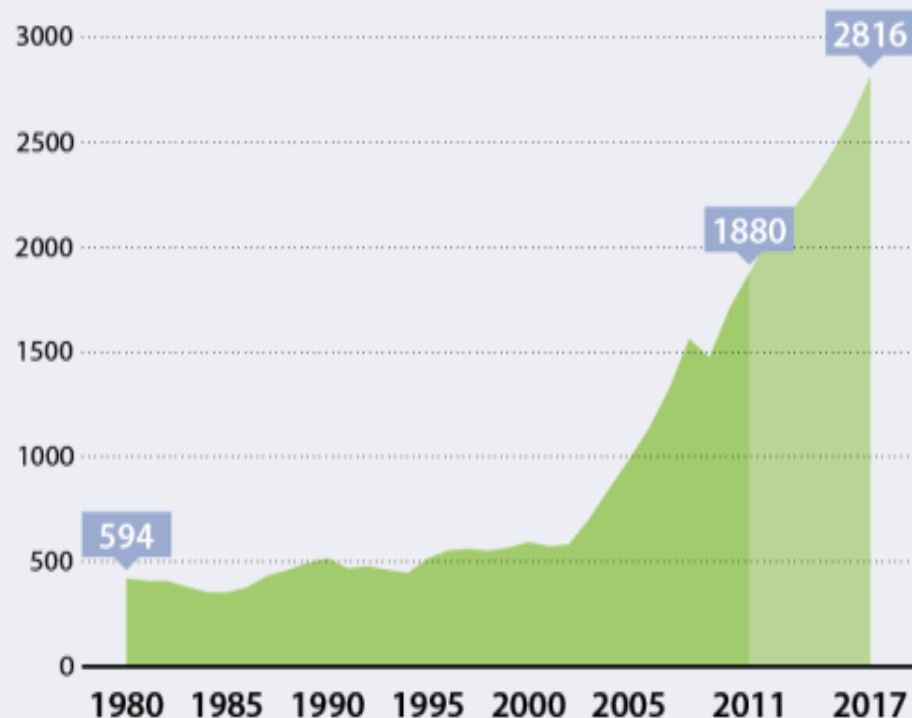
Africa is Ready for a Healthcare Boom



Source: African Development Bank
2013

Africa is growing fast

GDP in \$ billion



High rate of economic growth making fiscal space for investment



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Ambitious Targets for Maternal and Child Health

2030 Global Benchmarks and Targets

Reproductive Health

- MEET 75% OF DEMAND FOR FP WITH MODERN CONTRACEPTIVES

Maternal Health

- REDUCE MATERNAL TO LESS THAN 70 PER 100,000 LIVE BIRTHS

Newborn Health

- REDUCE NEWBORN DEATHS TO 12 PER 1,000 LIVE BIRTHS; REDUCE STILLBIRTHS TO 21 PER 1,000 LIVE BIRTHS

Child Health

- REDUCE UNDER-FIVE DEATHS TO 25 OR FEWER PER 1,000 LIVE BIRTHS



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Major International Initiatives Emerging

Global Health Security Agenda

Universal Health Coverage

Sustainable Development Goals

Financing mechanisms such as Global financing Facility, innovative domestic financing



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Mobile Technology Innovations

- Health Technology is changing at dizzying pace over the world and revolutionizing the health care
- In the West, clients are taking charge of their health using mobile devices; health care is being shifted to communities and is customized through genetics.



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A Unique model of its own Could Emerge in Africa

- The future model of the West already exists in Africa
- Communities are being focused to take charge of their health
- Africa's home grown inventions could such as mobile money and e-health are no less revolutionary and propel the process



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Convergence with West in Health Status

- Lancet Commission estimated the convergence in health between the East and the West in a generation.
- Africa's own health care model based on community and technological advancements in health system strengthening will make convergence sooner
- This meeting will discuss frontline health workers, data and private sector.



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Essential Conditions For Health Sector Revolution

Country commitment to strengthening the health system and expanded use of mobile technology

Conducive conditions for private sector engagement

Community focus and making youth to be part of health sector boom

Cost reduction and making use of technology affordable in Health System Strengthening



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Africa's Bright Future

Africa has the potential to take health sector where it has never been before and make it an African Century

Thanks