

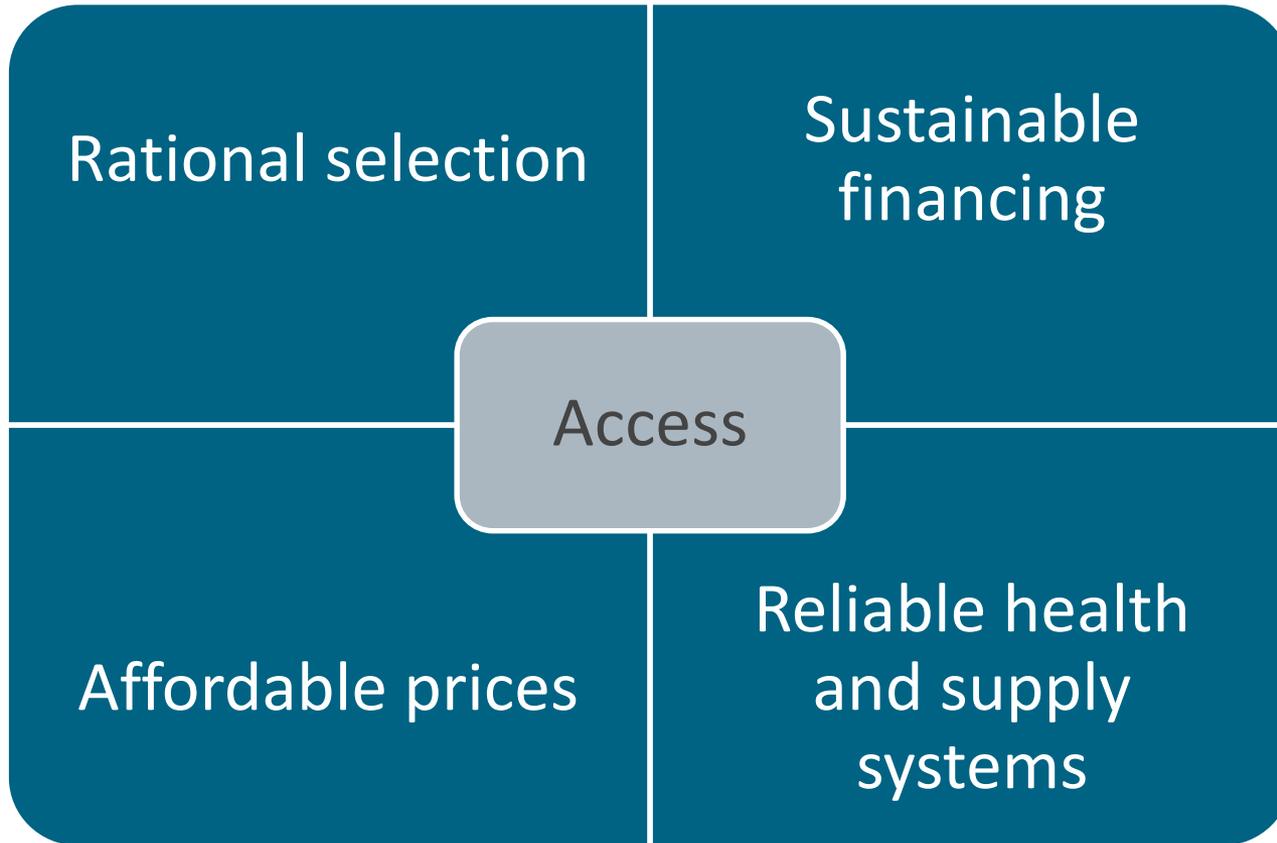
# Increasing efficiency of drug supply systems A case study for Nigeria

Dr. Nana Boateng

# WHO WHR 2010

Category of inefficiency	Details
<b>Medicines</b>	Underuse of generics and higher than necessary prices for medicines
	Use of substandard and counterfeit medicines
	Inappropriate and ineffective use
	Overuse or supply of equipment, investigations and procedures
<b>Human resources</b>	Inappropriate or costly staff mix, unmotivated workers
<b>Health services</b>	Inappropriate hospital admissions and length of stay
	Inappropriate hospital size (low use of infrastructure)
	Medical errors and suboptimal quality of care
<b>Health system leakages</b>	Waste, corruption and fraud
<b>Intervention mix</b>	Inefficient mix/ inappropriate level of strategies

# WHO Access Framework





# Medicines

Issues of economy: median prices significantly higher than international reference prices

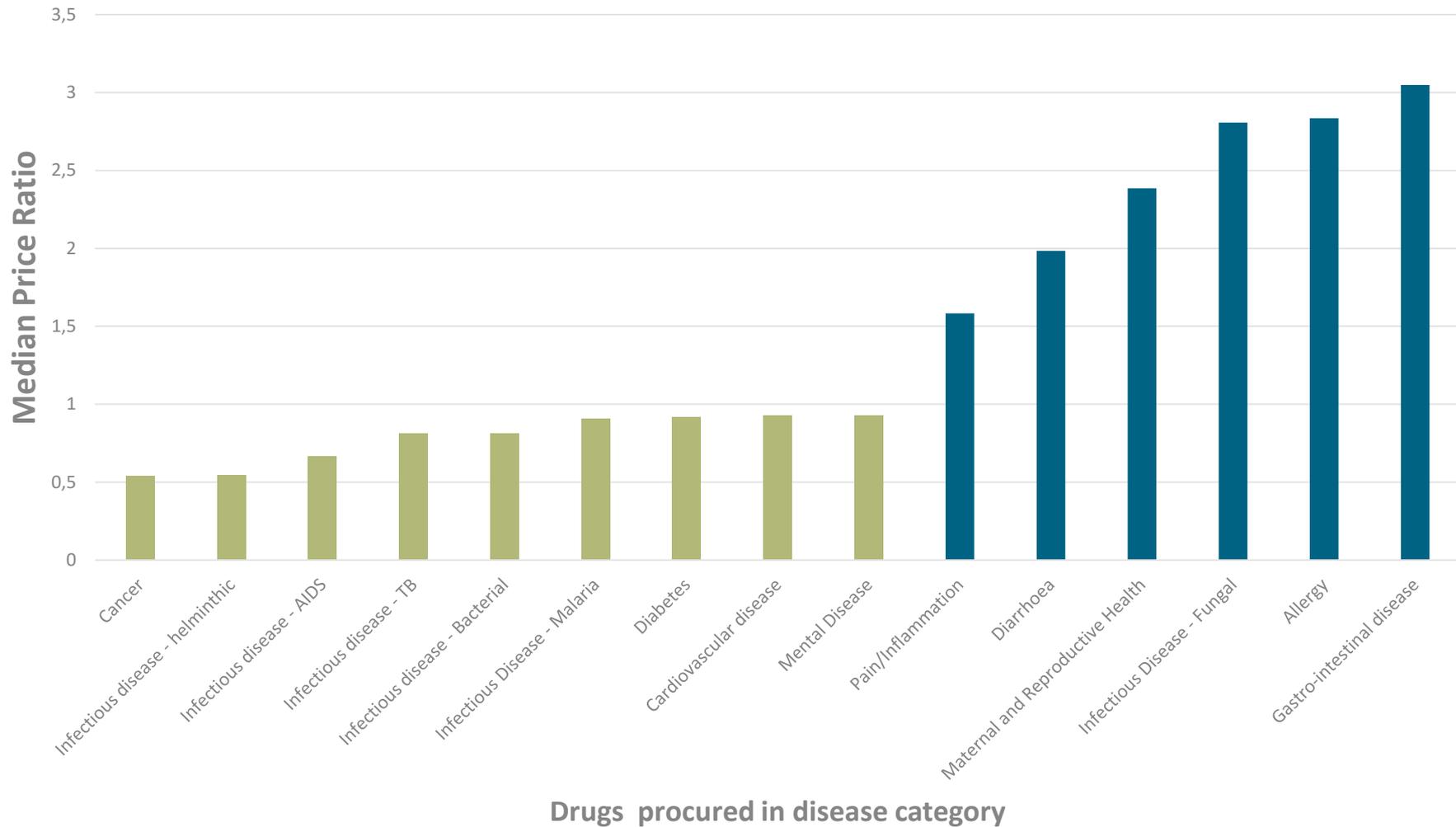
Issues of efficiency:

- less than 50% of patients receive drugs according to national clinical guidelines
- more than 50% of patients not taking drugs as they should

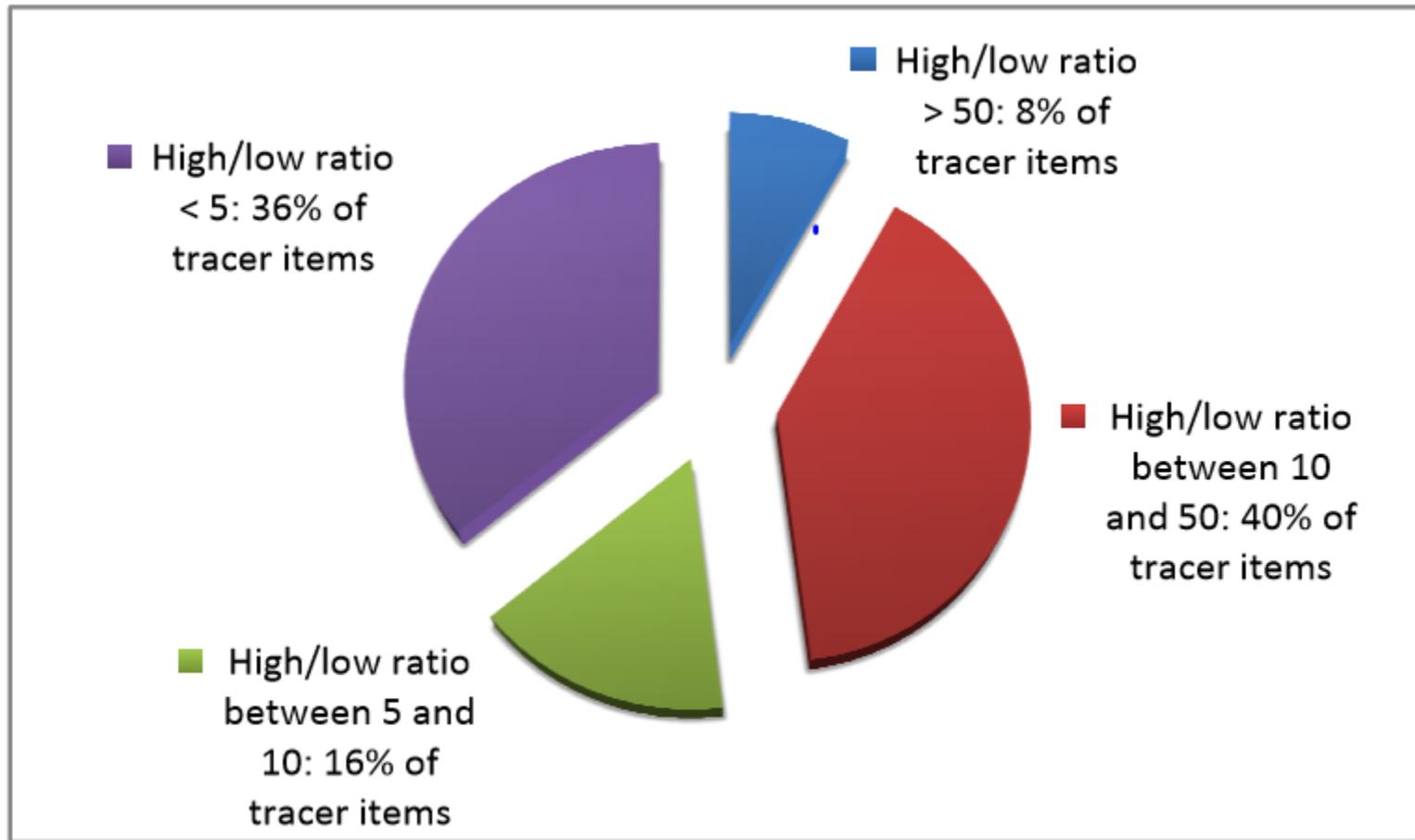
Issues of cost-effectiveness: expired, counterfeit, incorrect labelling

- Between 26 – 44% of antimalarial drugs failed quality test

# SADC Median public sector drug prices as a ratio of international prices (2010)



# SADC Median public sector drug prices





# A Case Study for Nigeria

## Context:

- Kano State in Nigeria: virtual collapse of public health system in 2008
- Lack of investment in health commodities
- Supply chain in very poor state
- Limited availability in primary and secondary facilities and staff sell own drugs at high margins

Case study describes how key ministries can work together to increase efficiency of the drug sector.

# Group Work

*Discussion Question 1:* Which aspects of the logistics supply chain strengthening had the greatest impact on improving efficiency?

*Discussion Question 2:* Which aspects of the programme were critical in ensuring sustainability?

*Discussion Question 3:* What was the role of the ministry of finance in ensuring sustained success of the programme?

*Discussion Question 4:* Do you face similar challenges in your countries? Please elaborate and discuss ways in which these issues can be resolved.

*Discussion Question 5:* Consider the two statements below. Which do you agree with and why?

- Statement 1: Drug sector reform is notoriously complex, yet there are obvious ways to make rapid improvement; and whole-of-sector effectiveness, efficiency and equity can be achieved in three years' time.
- Statement 2: Drug sector reform is notoriously complex, and barring some exceptions, whole-of-sector effectiveness, efficiency and equity take much longer than 3 years' time

Thank you