

# Primary Healthcare in the 21st century



*"We can close the book on infectious diseases"*



William H. Stewart  
Surgeon General of the United States, 1969

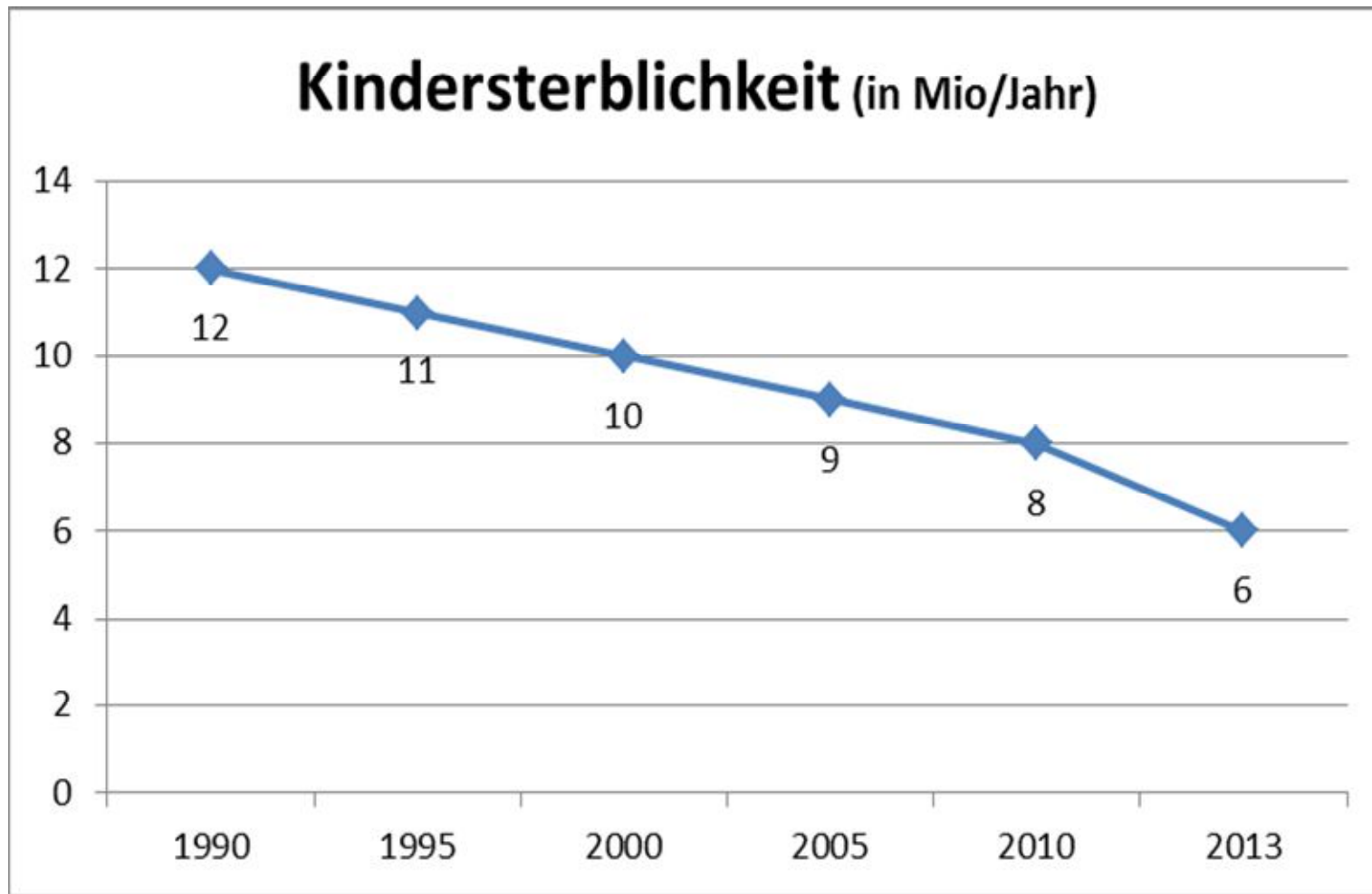
Prediction is very difficult, especially about the future. Nils Bohr



*"Everything that can be invented  
has been invented"*

Charles H. Duell, Commissioner, U.S. Office of  
Patents, 1899

# People can – if they want



Source: CHERG = Child Health Epidemiology Reference Group







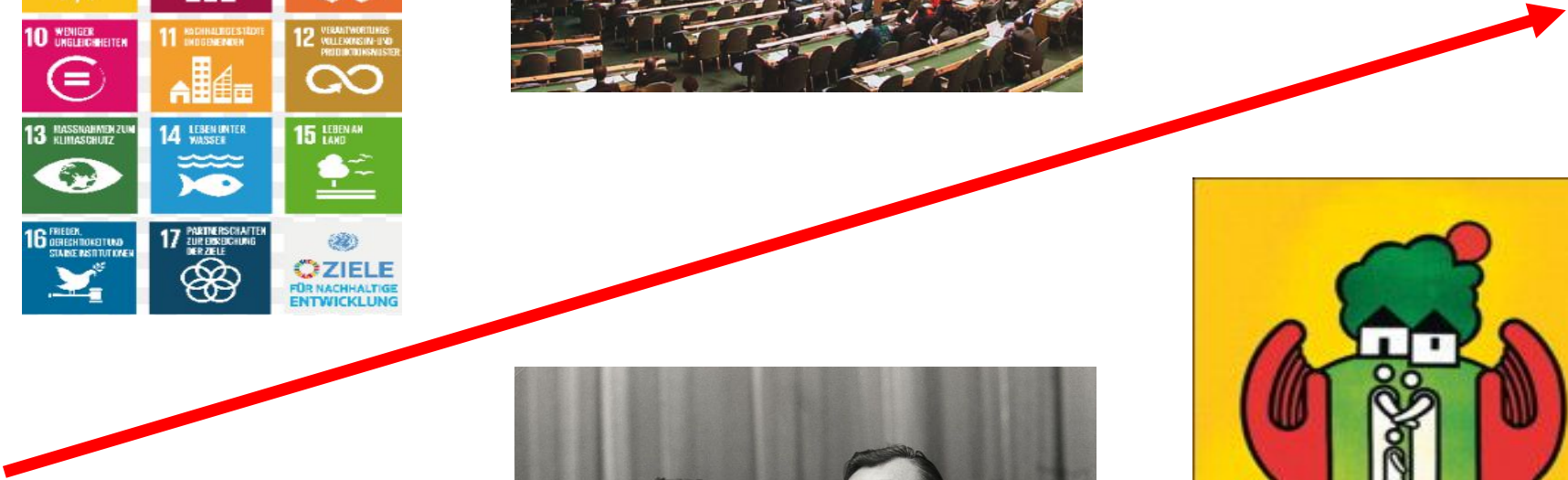




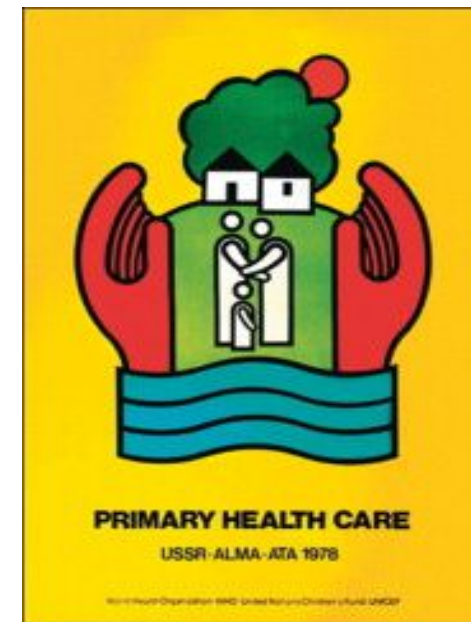
# The long road to primary health...



...to the SDGs...  
(2016)

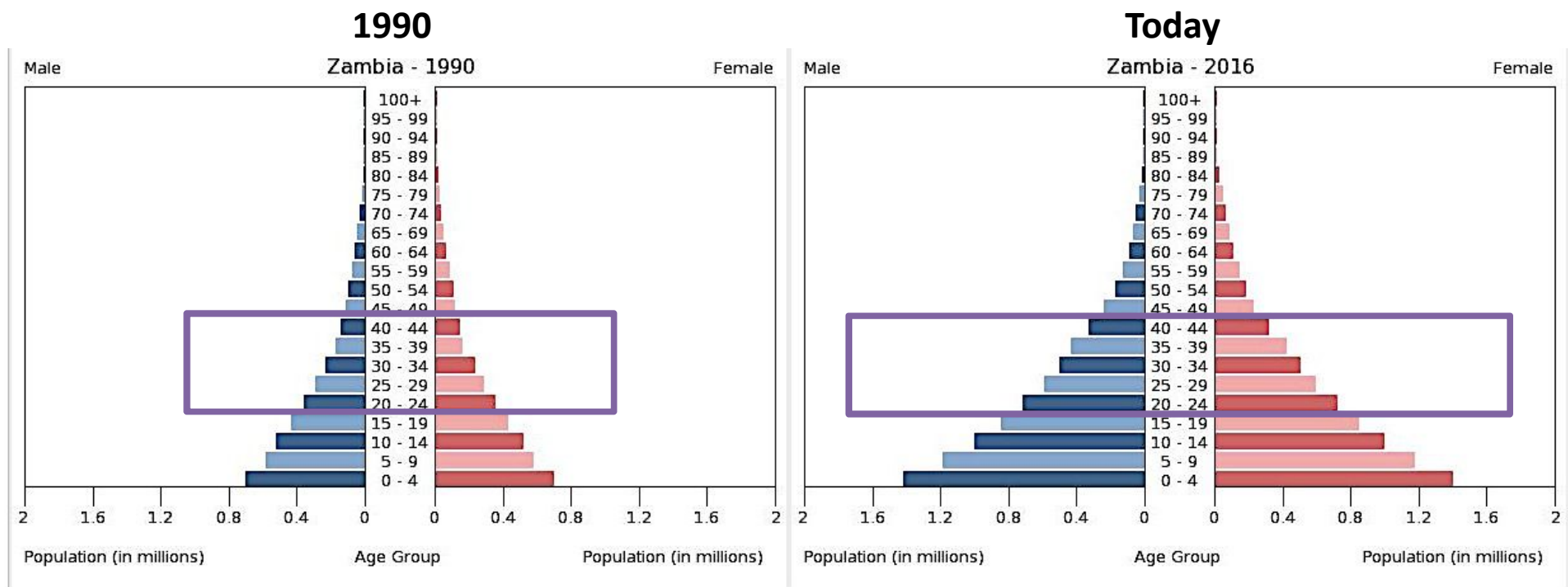


From Alma  
Ata... (1979)



# 1) Demographic transformation

- 2050: Africa = ¼ world population (2,5 bio)
- Youth bulk
- New middle class (150 -> 600 mio)
- Migration 150'000 mio



1,5 Mio Adolescents

3,2 Mio Adolescents



## 2) Epidemiologic transformation



See: Worldwide trends in NCD mortality (Lancet 2018)

### 3) Global Security Transformation

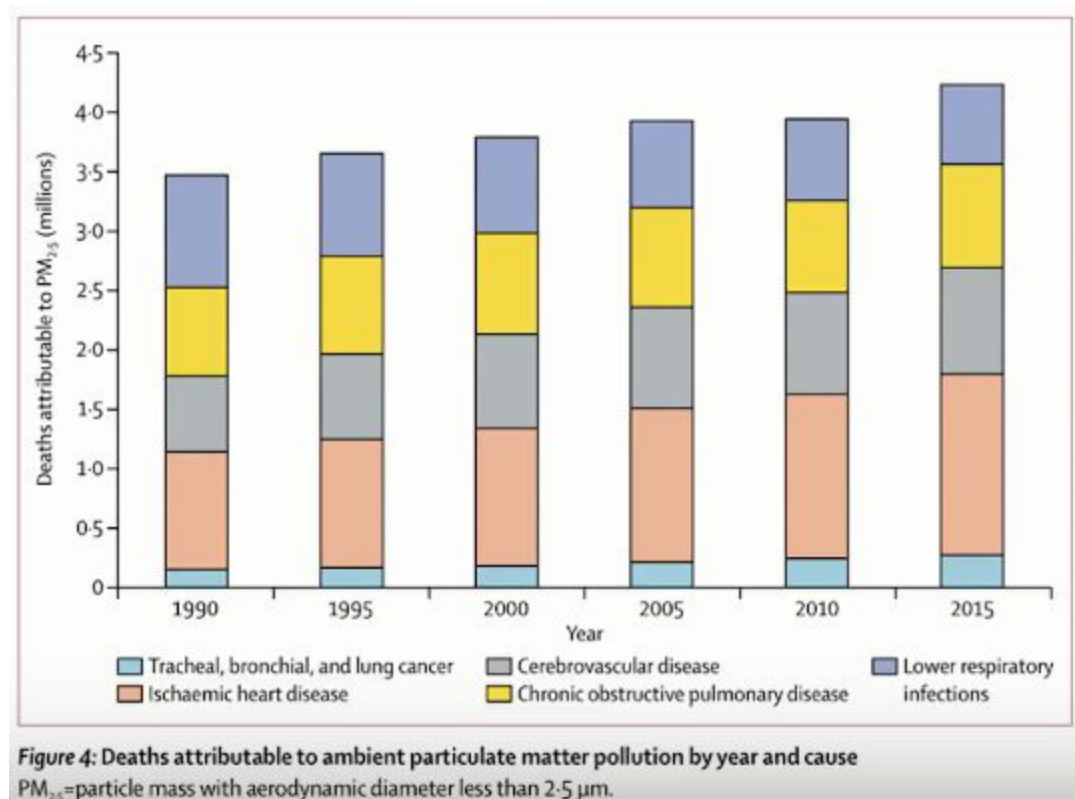


## 4) Externality transformation

Externalities: A consequence of an activity which affects other parties or generations without being reflected in current prices or actions.

- Anti-microbial resistance
- Pollution
- Climate Change
- Commercial or legal determinants

(Smoking, Alcohol, IPRs...)

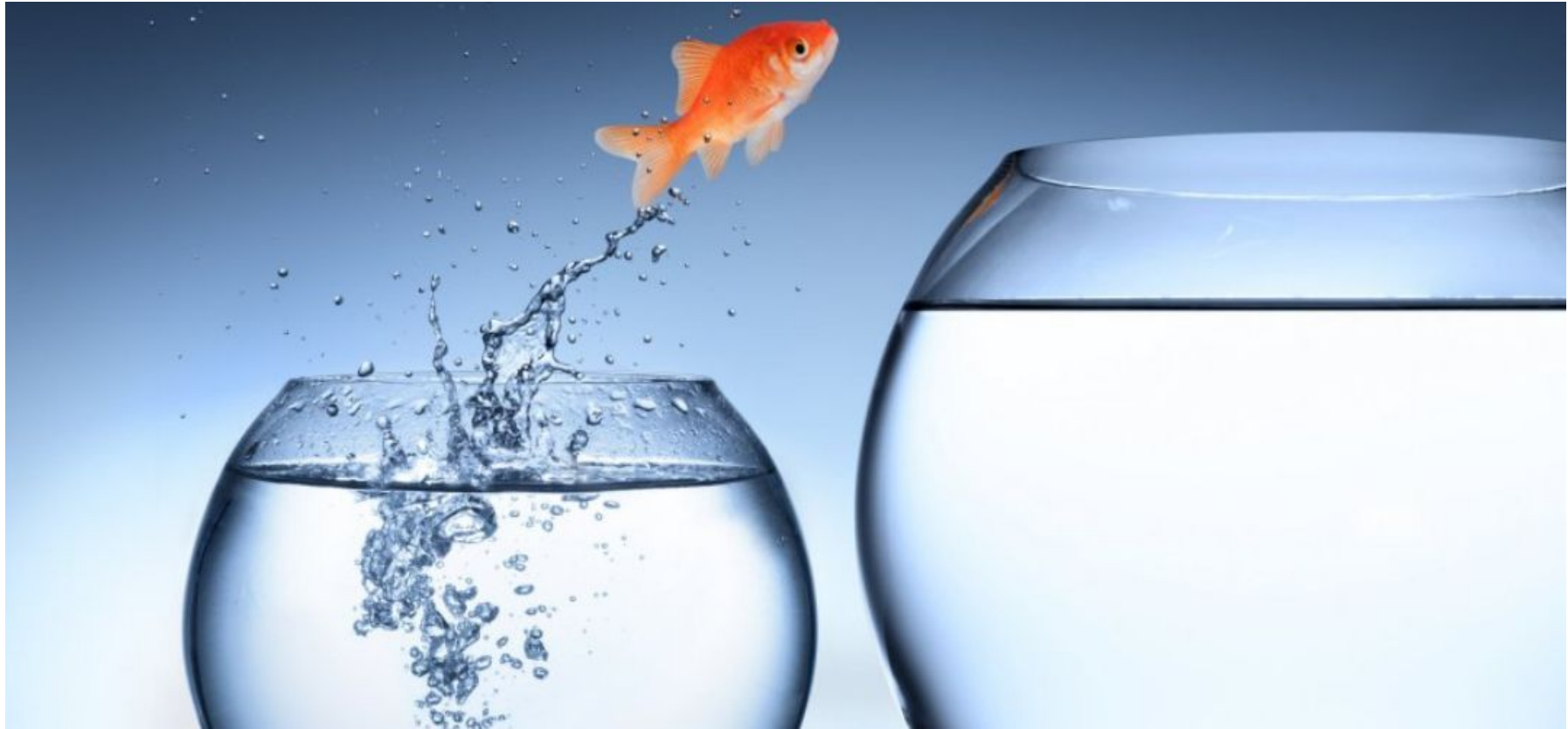


Air pollution: 5,5 Mio premature deaths / y (IHME 2018)



What brought us here, won't get us there...

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Re - think Primary Health Care: **Invest, Innovate, Include**

## Invest: Human Capital

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- LIC: 25% Disease burden, 2 % health workforce
- **Go new ways**: HEW (Ethiopia), Nurse Clinicians (France), MLs (Zambia), task shifting
- Cochrane 2018: Nurses substitute doctors in PHC



**Invest:** Delivery platforms and supply chains

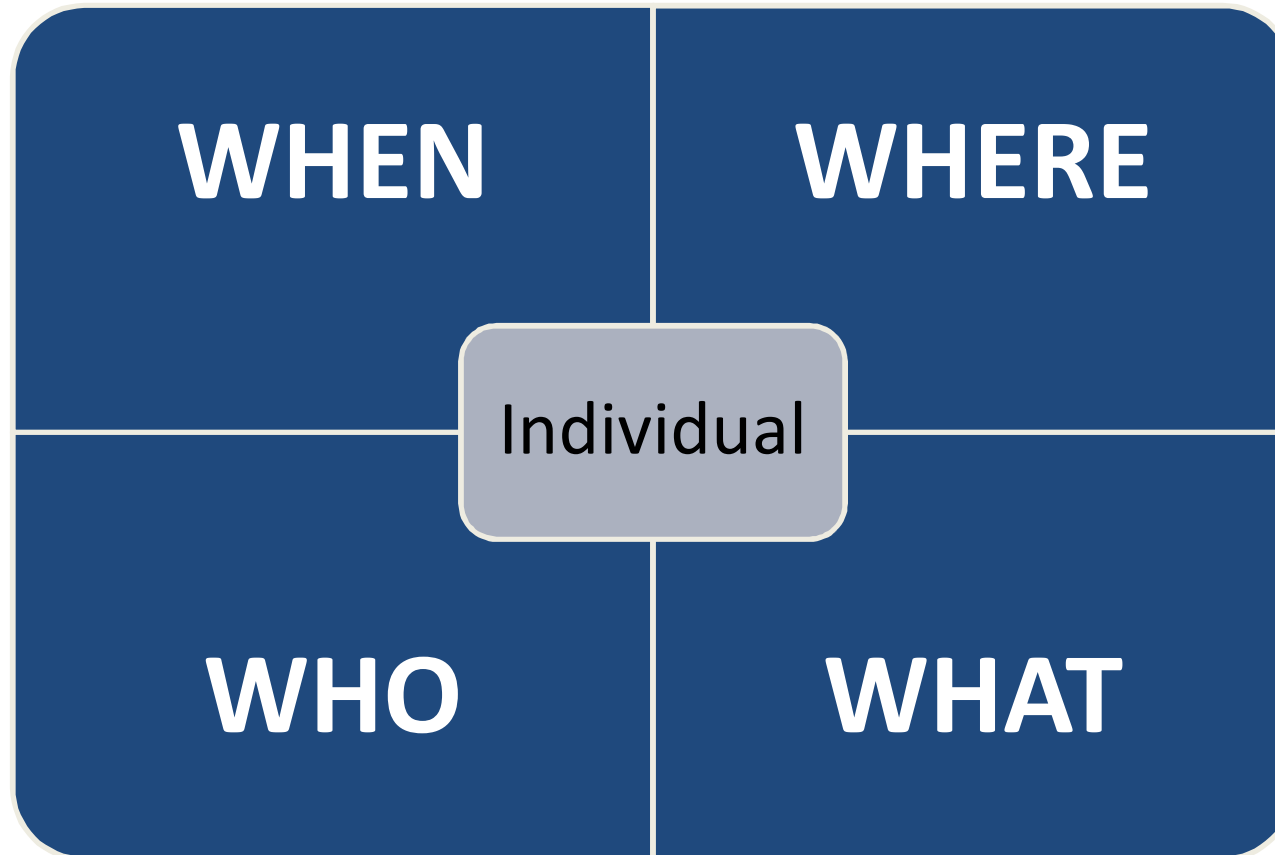


Bulletin WHO 2014,  
Suwit Wilbulpol-  
prasert:

**Thailand's health  
ambitions pay off**

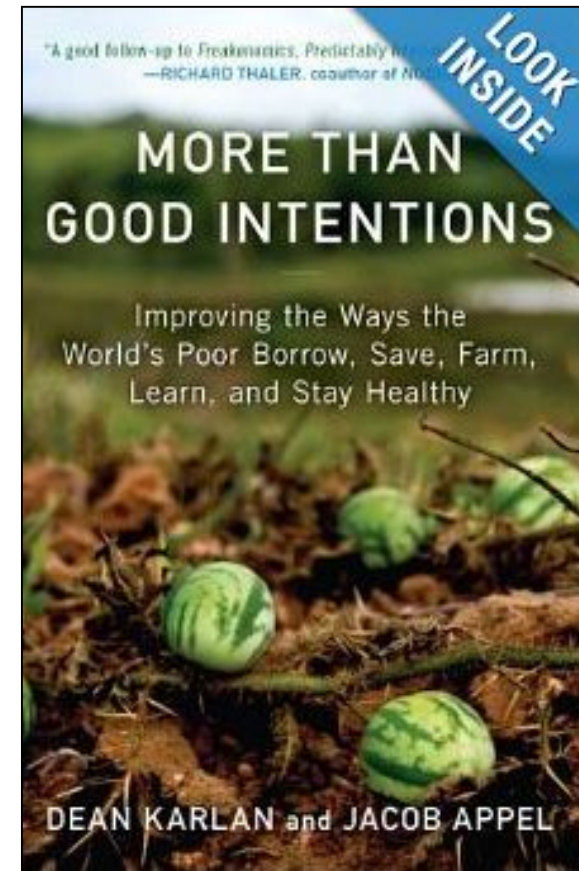


## Innovate: Care pathways



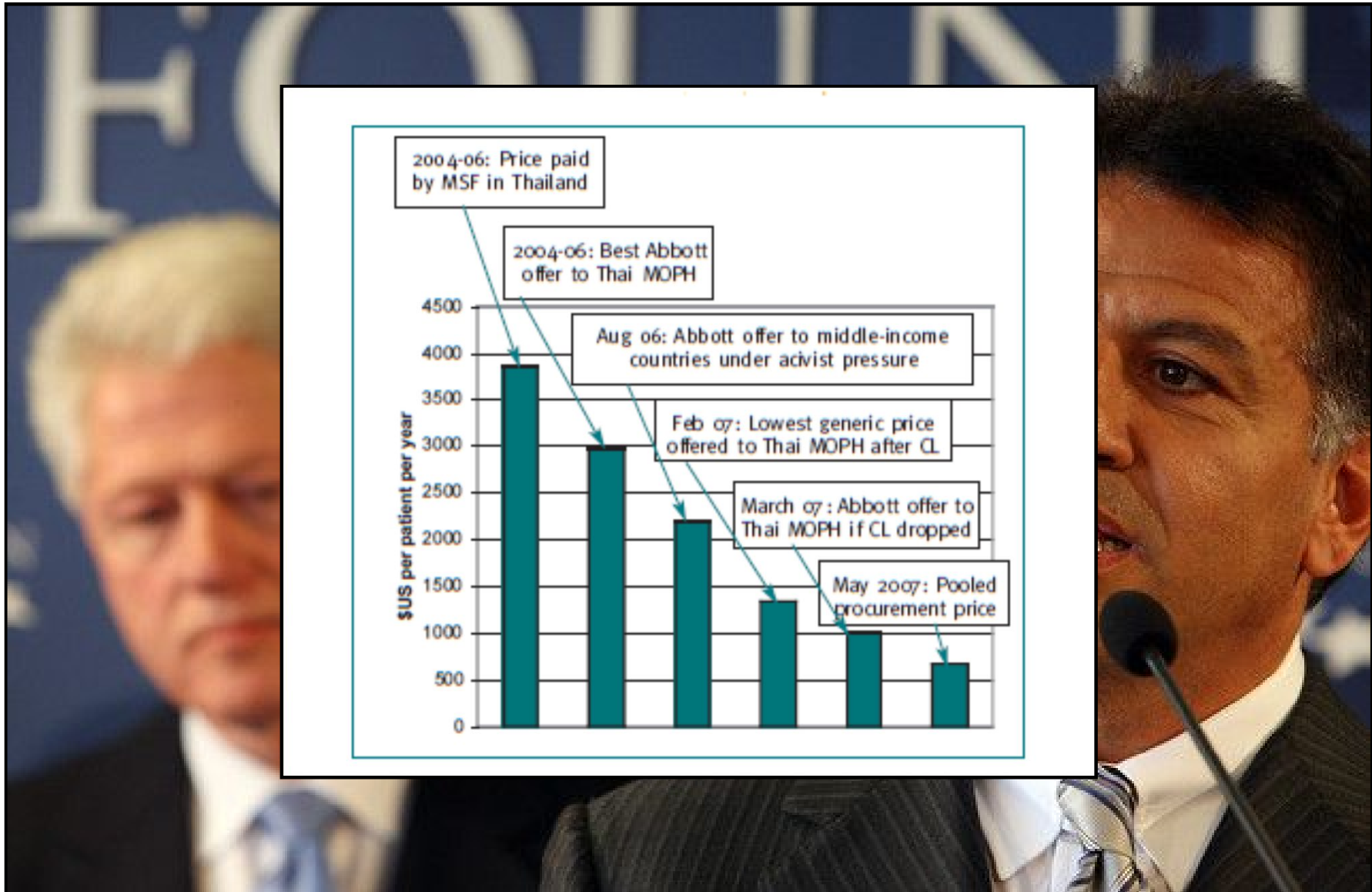
- <http://www.differentiatedcare.org/>
- M. Porter, 2014: Value based health care delivery, Havard Buisness School

# Innovate: Research and Surveillance



# Include: Accountability

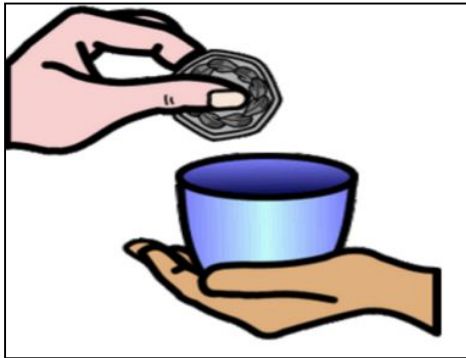
<https://www.preventionaccess.org/>





# Include: Alignment

**Aid**  
(1978)



**Collaboration**  
(2000)



**Solidarity**  
(2018)



## From sovereignty to solidarity: a renewed concept of global health for an era of complex interdependence

*Julio Frenk, Octavio Gómez-Dantés, Suerie Moon*

*Lancet* 2014; 383: 94-97  
Harvard School of Public Health, Boston, MA, USA

The moment is ripe to revisit the idea of global health. Despite tens of billions of dollars spent over the past decade under the auspices of global health, a consensus indigenous populations of developed countries. Supporters of this original view regarded international needs as alien and peripheral, and very frequently as threats.

## Don't: Policy of mercy



Don't stop clearing the fire, once your half done!

# Health creates prosperity

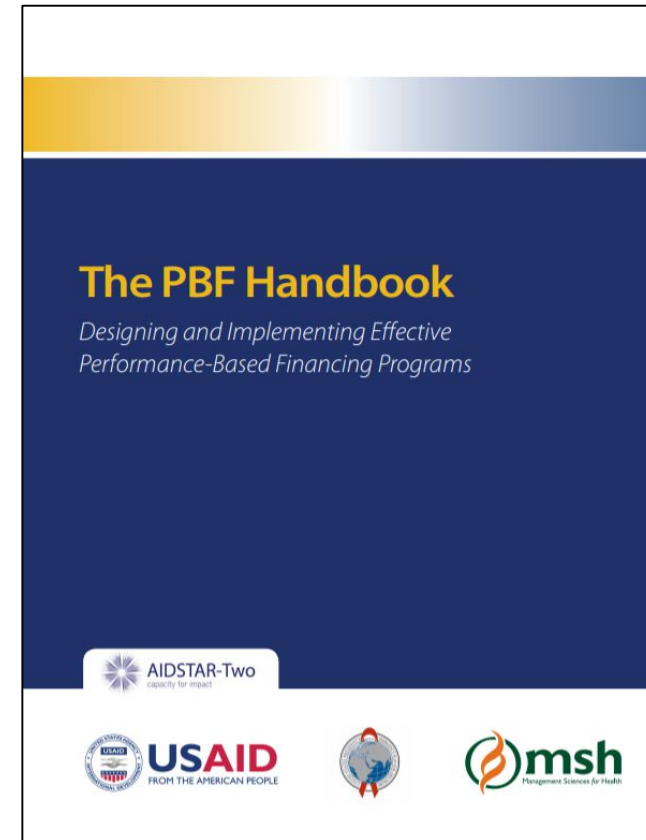
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- 1 HALY -> 3 GDP pp (Jeff Sachs, WHO Commission on Macroeconomics)
- ROI 2 (L Summers; Lancet Commission on Investing in Health)
- Growing business market
- Triple access to medicines (Novartis 2018)
- CH: 1/10 work in health sector (2050: 1/7)
- CH: > CHF 10'000/pp (= 10% GDP; 2050: 15% GDP)





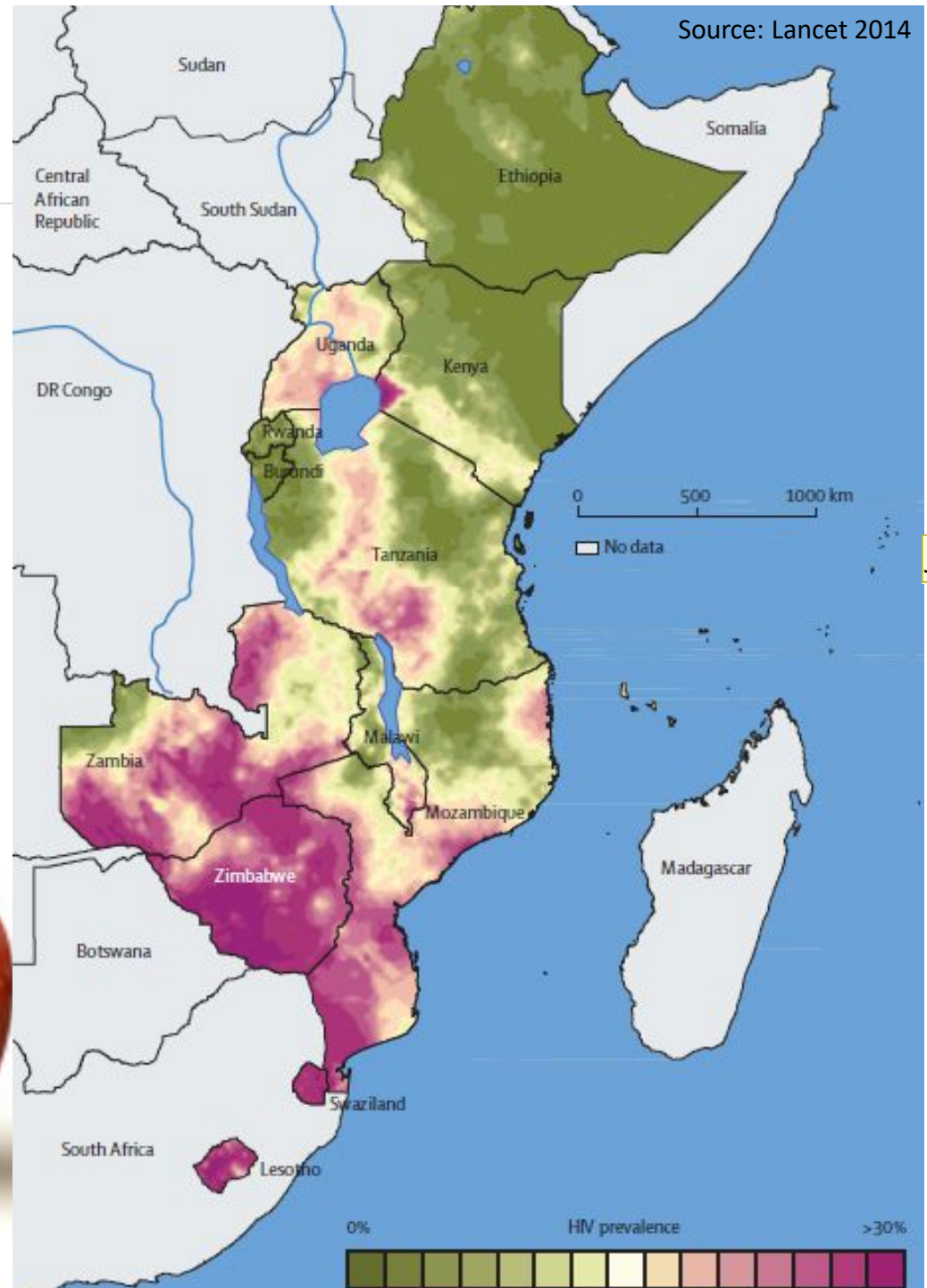
# Don't: Magic bullets



SMS 4 life, health impact bonds, artificial intelligence, health entrepreneur hubs...

# Don't: Global

- Know your epidemic
- Get on with what works
- Tangible and measurable



JE5

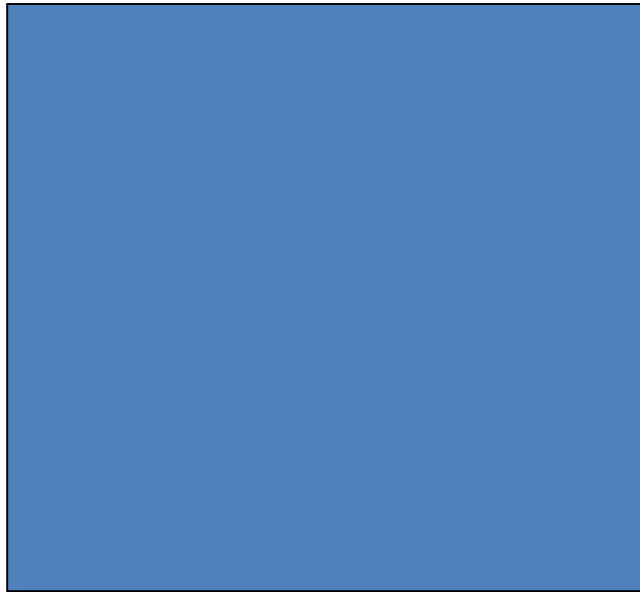






More than ever before in human history, we share a **common destiny**. We can master it only if we face it together.

Dr. Kofi Annan, *UN Secretary General*, 1999



 **Think out of the box**





**Muito obrigado**  
**Thanks**  
**Danke**