

WS28

"50 by 50" - What Will it Take to Achieve a 50% Reduction in Premature Deaths by 2050?

October 15, 2024, 2-3.30pm CEST

Chair: Dean Jamison

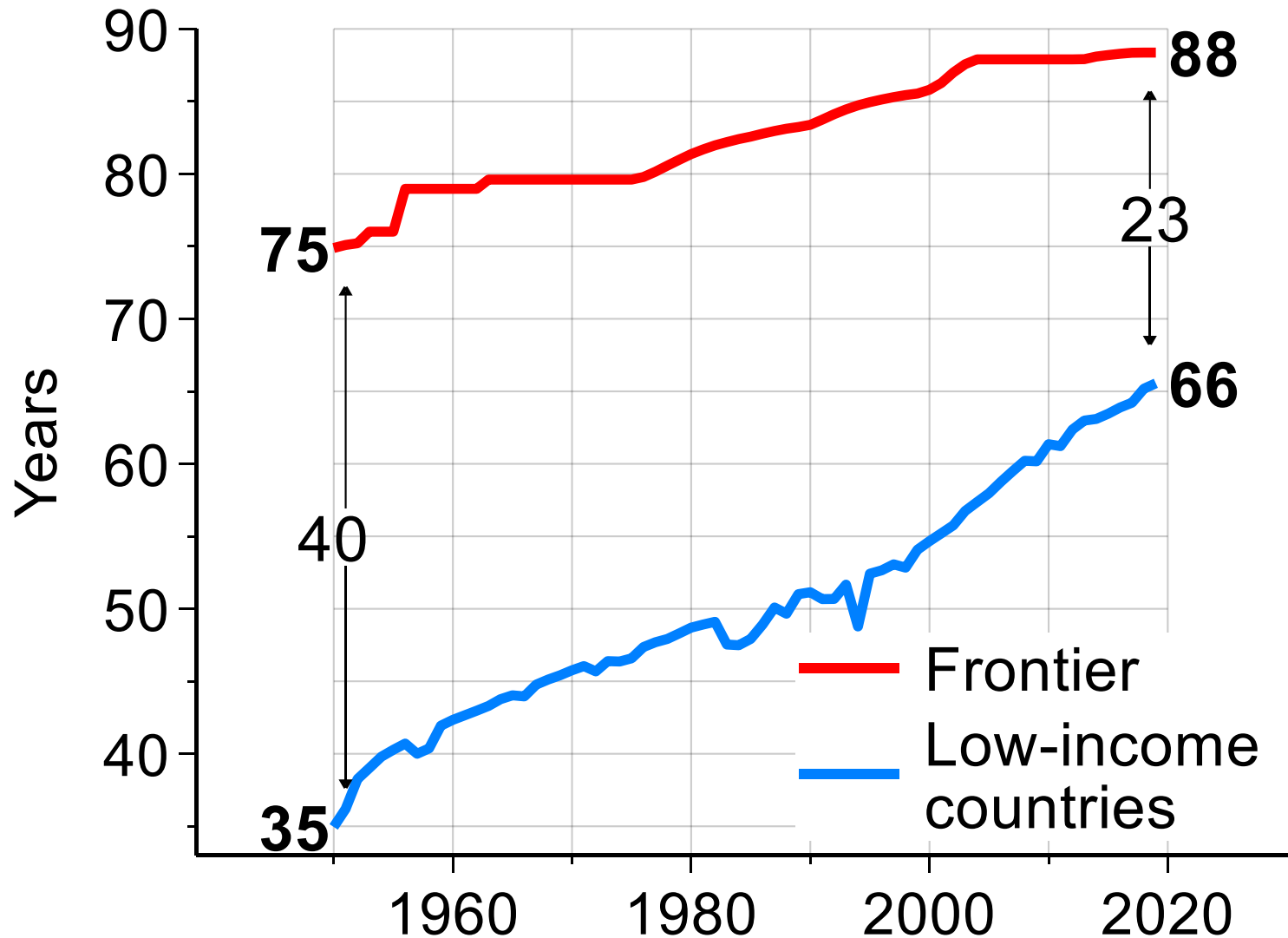
Speakers: Gavin Yamey, Wenhui Mao, Justina Seyi-Olajide, Shiva Raj Adhikari, Nisreen Salti



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GLOBAL
HEALTH 2050

Female life expectancy, 1950–2019



Global Health 2050: The Seven Key Messages

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World Health Summit, Berlin

Oct 15, 2024



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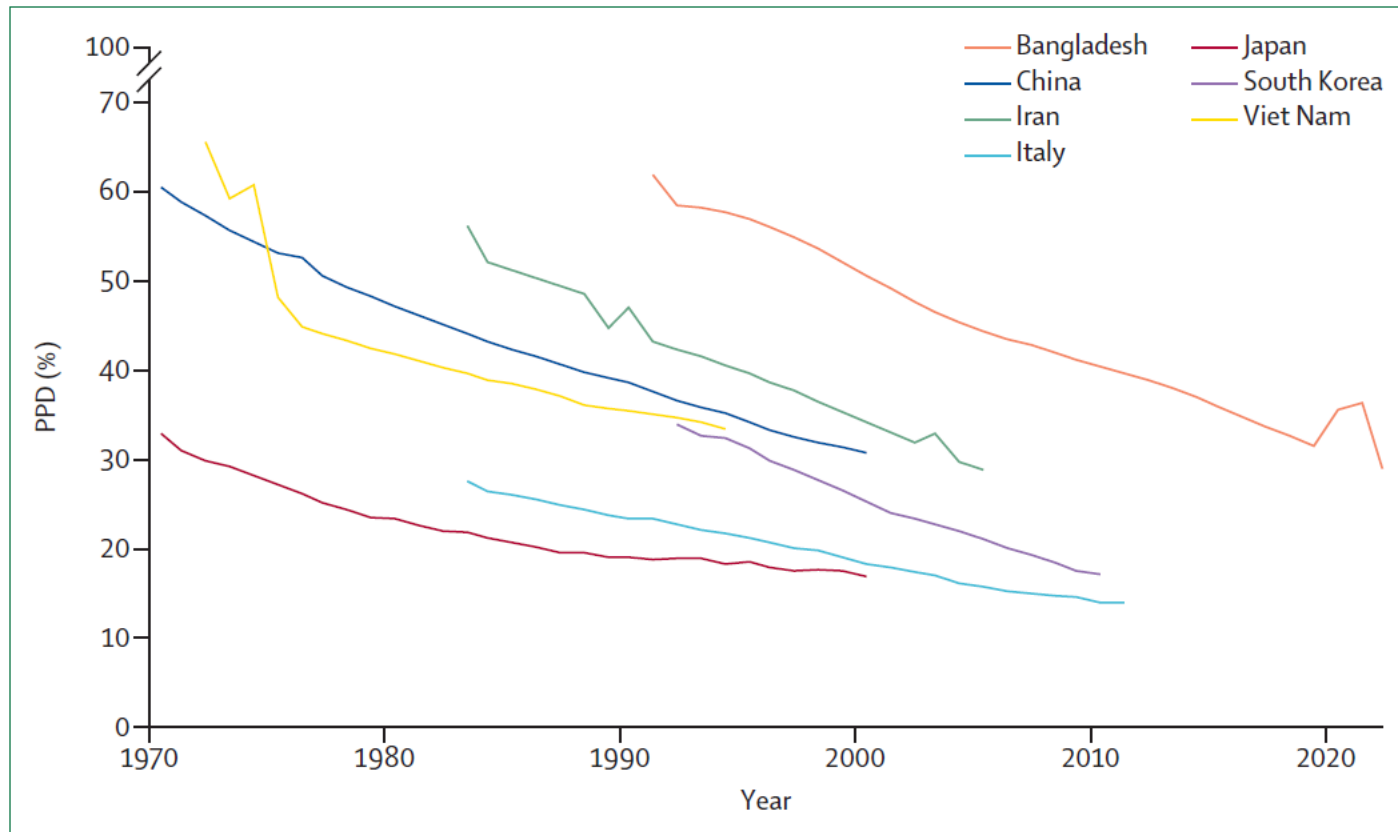
GLOBAL
HEALTH 2050

Message 1:

Nations that choose to do so can achieve “50 by 50”

“Dramatic improvements in human welfare are achievable by mid-century with focused health investments. By 2050, countries that choose to do so could reduce by 50% the probability of premature death in their populations—the probability of dying before age 70 years—from the levels in 2019. We call this goal 50 by 50.”

Feasibility is based on historical experience.....

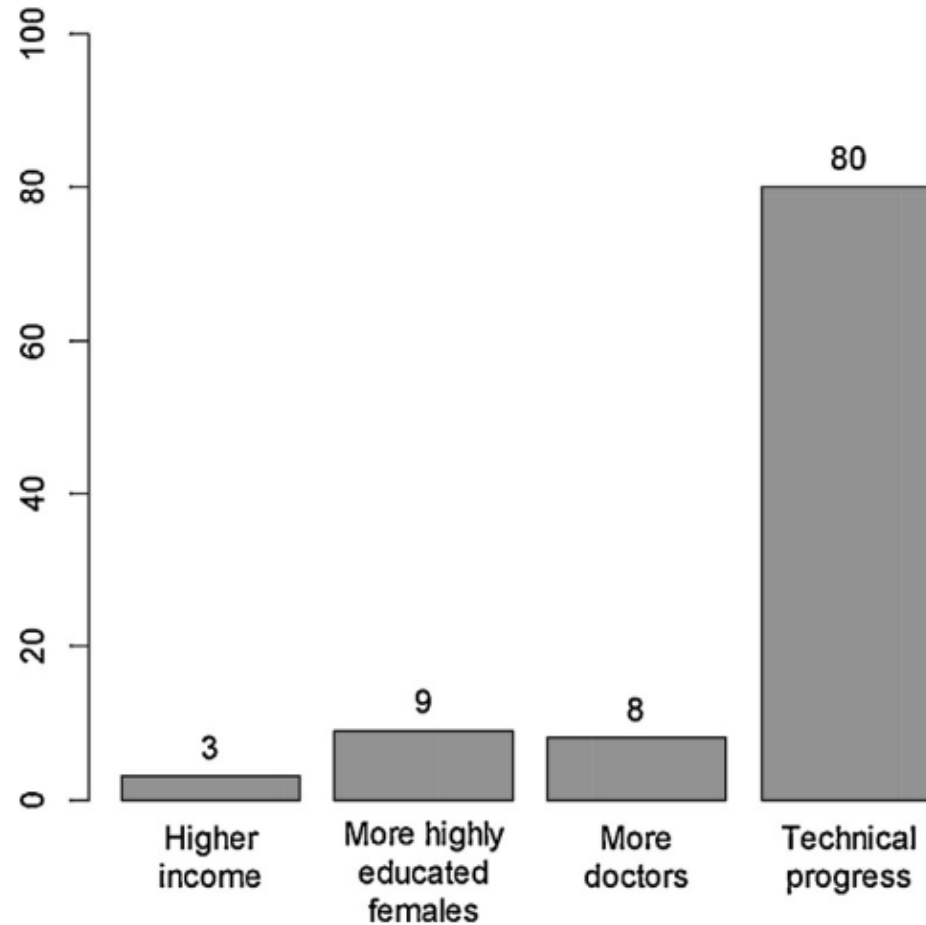


High-population countries that halved the PPD in 31 years or less, 1970–2019

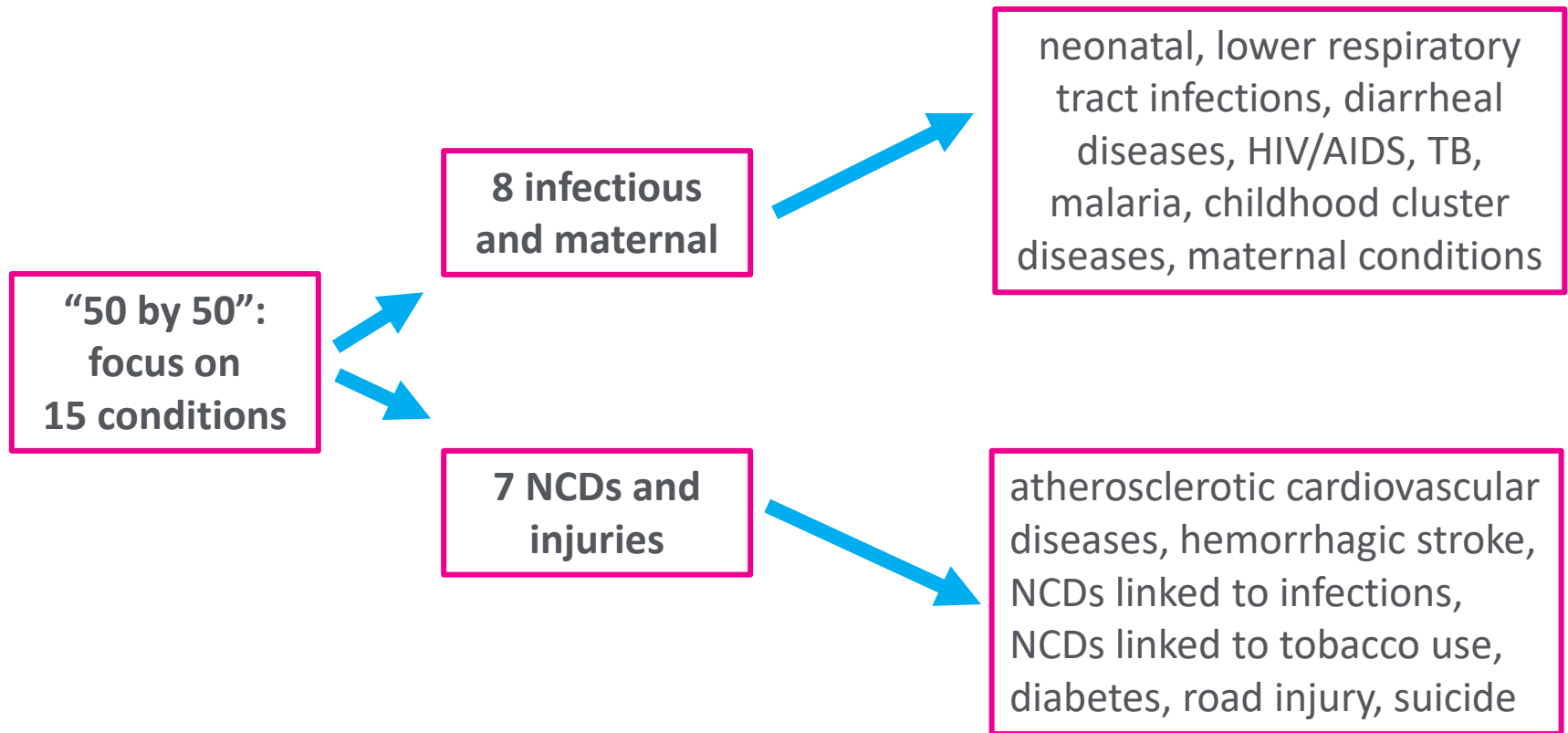
.....and continued scientific advance

Factors accounting for decline in under-5 mortality in LMICs, 1970–2000

J Health Econ 2016; 48: 16–25



Message 2: Sharp reductions in mortality & morbidity can be achieved early on path to UHC



Message 3: The UHC and HSS agendas need a reset—we propose a modular approach

UHC agenda has largely stalled*

Little global progress in health-service coverage since start of the SDG era in 2015 (except for ARVs)

Catastrophic health expenditure is becoming more common

*WHO 2023 UHC Monitoring Report

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We package core interventions into 19 modules

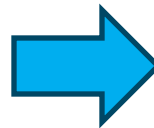
3 examples of modules (infectious & maternal health conditions)

Module	High-priority interventions	Primary outcome (secondary outcome)
Routine childhood immunization	Immunization against most or all antigens (n=11) recommend by WHO for all countries	Child deaths averted (child height-for-age)
Treatment of acute childhood illness	Treatment of enteric and lower respiratory tract infections, malaria, and acute malnutrition	Child deaths averted (child height-for-age)
Pregnancy & childbirth	Antenatal care, safe delivery, management of complications of labor, routine postpartum care, neonatal care	Maternal deaths averted (stillbirths and neonatal deaths averted)

We propose a new tool for planners: modular cost-effectiveness analysis

Stage 1

Identify modules appropriate to the local health sector & allocation of budget across modules



Stage 2

Optimize the intervention mix & value for money within each module

Message 4: Countries should publicly finance a shortlist of key medicines for 15 priority conditions

Arrow mechanism



- 1 Redirect general budget transfers to ministries of health to line-item budget transfers for specific priority drugs
- 2 Centralized pooled procurement by government or internationally
- 3 Procurement of large volumes to ensure availability
- 4 Use and strengthen public & private supply chains

Message 5: “Tobacco is the new tobacco”

Tobacco taxation: the single most important inter-sectoral policy to help achieve 50 by 50

“Raising taxes on tobacco can do more to reduce premature mortality than any other single health policy”

Taskforce on Fiscal Health Policy

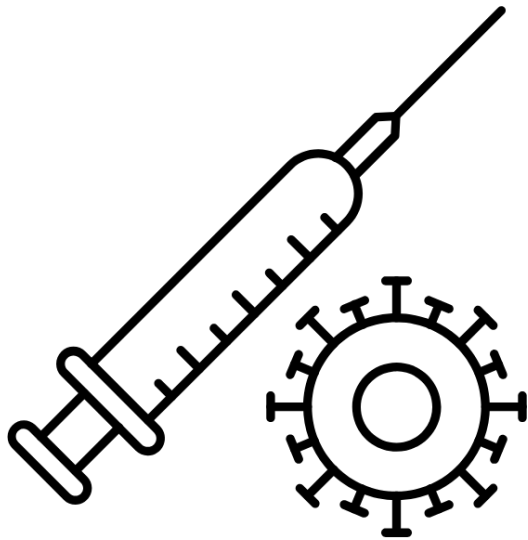


Message 6: There is a high risk of another pandemic of Covid-like magnitude

	1-year probability	5-year probability	10-year probability	25-year probability
≥1 million deaths	6%	28%	48%	80%
≥10 million deaths	4%	19%	35%	66%
≥25 million deaths	3%	12%	23%	48%
≥100 million deaths	1%	3%	6%	14%

During the emergency phase of the COVID-19 pandemic (ie, Jan 30, 2020, to May 4, 2023), an estimated 23 million excess deaths occurred globally that were almost entirely attributable (directly or indirectly) to COVID-19. Probabilities were estimated by Madhov et al (2023).³⁷

Public health fundamentals are key to averting massive mortality



Created by Karamat Ali
from Noun Project

Huge variation across countries in excess deaths during COVID, especially pre- vaccines, suggests lessons can be learned from successful countries about public health basics:

- Rapid response
- Case detection & contact tracing
- Isolation of infected individuals
- Quarantine of those exposed
- Social and financial support for people isolating or quarantining

Message 7: There is a critical role for DAH in supporting 50 by 50

Two broad purposes of DAH

Direct country support

- Target countries with the least resources
- Financial support
- Technical support
- Disease control and modular HSS

Global public goods for health

- Reduce development & spread of AMR
- Pandemic prevention/response
- Identify & spread best practices
- Develop new health tools

Focus both on the 15 priority conditions

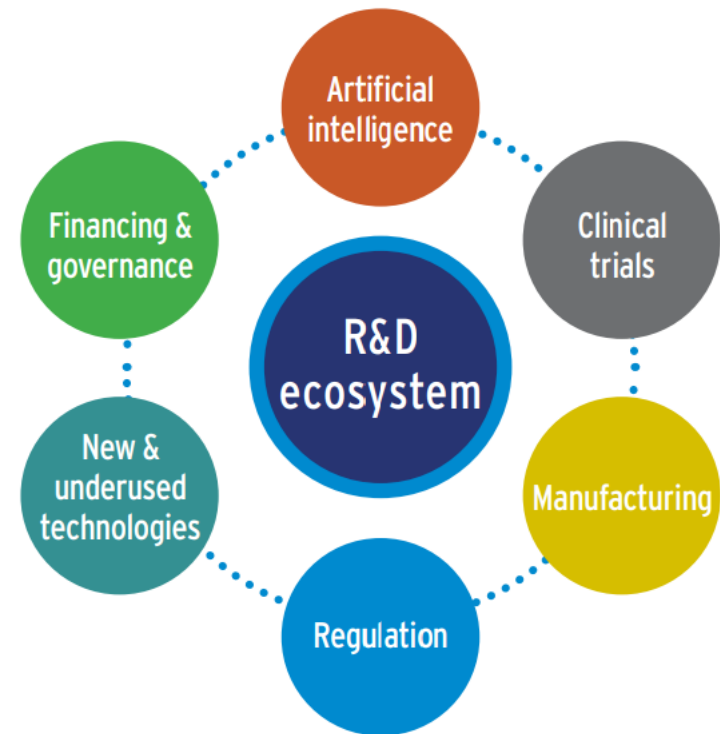
R&D for priority conditions is becoming faster and more efficient

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Reforming the research and development ecosystem for neglected diseases, emerging infectious diseases, and maternal health

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Global health 2050: the path to halving premature death by mid-century

“Today, the case is better than ever for the value of investing in health for reducing mortality and morbidity, alleviating poverty, and improving human welfare.”

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