Resilient health systems and the future of global health

Margaret E. Kruk, MD, MPH Associate Professor of Global Health Harvard T.H. Chan School of Public Health Future trends and possibilities Building resilient health systems

The Lancet Commissions

GLOBALS THE LANCET

2035: a world converging within a generation-

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2015-2035: three domains of health challenges

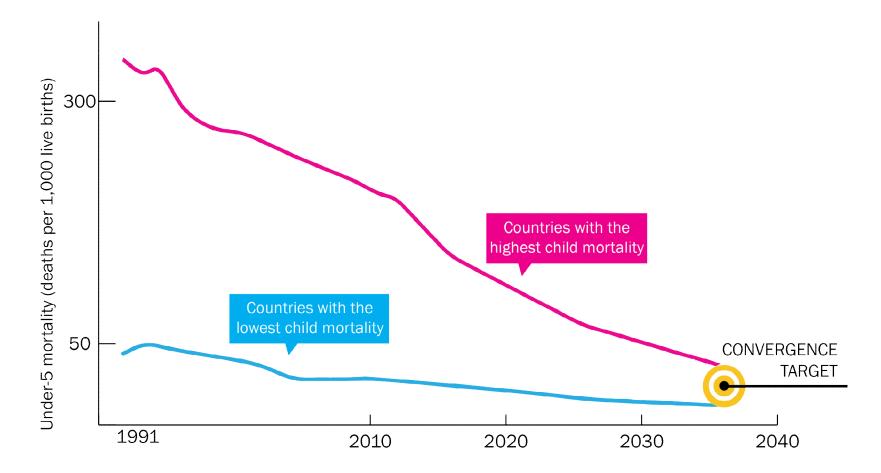


Global Health 2035: Four key messages

There is an enormous payoff from improvements in health. A 'grand convergence' around infections and child deaths (domain 1) is achievable within our lifetime.

Fiscal policies are a powerful and underused lever for curbing NCDs and injuries (domain 2). Progressive pathways to universal health coverage are an efficient way to achieve health and financial protection (domain 3).

Nearly all countries could converge by 2035







(1) Global health 2035: a world converging within a generation

Dean T Jamison*, Lawrence H Summers*, George Alleyne, Kenneth J Arrow, Seth Berkley, Agnes Binaqwaho, Flavia Bustreo, David Evans, Richard G A Feachern, Julio Frenk, Gargee Ghosh, Sue J Goldie, Yan Guo, Sanjeev Gupta, Richard Horton, Margaret E Kruk, Adel Mahmoud, Linah K Mohohlo, Mthuli Ncube, Ariel Pablos-Mendez, K Srinath Reddy, Helen Saxenian, Agnes Soucat, Karen H Ulltveit-Moe, Gavin Yarney

Lancet 2013; 382: 1898-955 Executive summary

A "grand convergence" in health is achievable within

"A grand convergence is achievable within our lifetime "

(S Berkley MD); Ministry of gained in that period. Between 2000 and 2011, about Health, Kigali, Rwanda 24% of the growth in full income in low-income and (A Binagwaho MD [Ped]): Family, Women's, and middle-income countries resulted from VLYs gained. Children's Health This more comprehensive understanding of the eco-(F Bustreo MD) and Department nomic value of health improvements provides a strong of Health Systems Financing rationale for improved resource allocation across sectors. (D Evans PhD), World Health Organization, Geneva, Switzerland; Global Health Opportunities: Group, University of California, . If planning ministries used full income approaches San Francisco, CA, USA (Prof R G A Feachern DSc [Med],

- (assessing VLYs) in guiding their investments, they could increase overall returns by increasing their Policy and Finance, Bill & domestic financing of high-priority health and healthrelated investments.
- (G Ghosh MSc); Health Science a higher proportion of official development assistance The burden of deaths from non-communicable diseases Center, Peking University, to development assistance for health.

Geneva, Switzerland measured in national income accounts plus the VLYs • The international community can best support convergence by funding the development and delivery of new health technologies and curbing antibiotic resistance. International funding for health research and development targeted at diseases that disproportionately affect low-income and middle-income countries should be doubled from current amounts (US\$3 billion/year) to \$6 billion per year by 2020. The core functions of global health, especially the provision of global public goods and management of externalities, have been neglected in the last 20 years and should regain prominence.

Fiscal policies are a powerful and underused lever for Washington, DC, USA • Assessment of VLYs strengthens the case for allocating curbing of non-communicable diseases and injuries (NCDs) and injuries in low-income and middle-income

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GYamey MD); Development

Melinda Gates Foundation

www.thelancet.com Vol 382 December 7, 2013



" A grand convergence is achievable within our lifetime

"

*•••*assuming coverage levels of at least 90%

GYamey MD); Development Policy and Finance, Bill & Melinda Gates Foundation, (G Ghosh MSc)- Health Science Center, Peking University,

could increase overall returns by increasing their domestic financing of high-priority health and healthrelated investments.

to development assistance for health.

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Fiscal policies are a powerful and underused lever for Washington, DC, USA Assessment of VLYs strengthens the case for allocating curbing of non-communicable diseases and injuries a higher proportion of official development assistance The burden of deaths from non-communicable diseases (NCDs) and injuries in low-income and middle-income

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But coverage is incomplete and inequitable

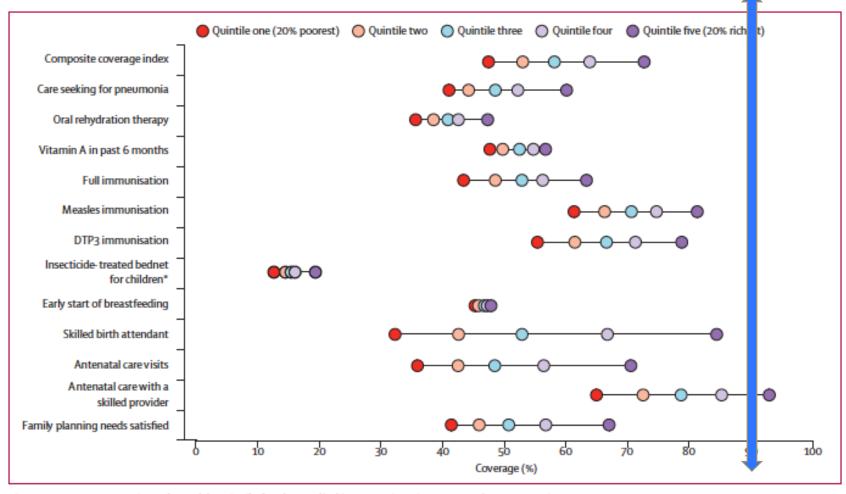
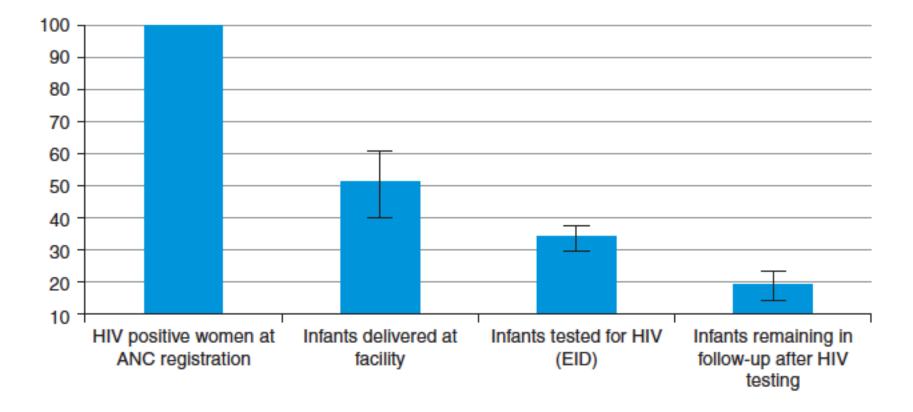


Figure 1: Mean coverage in each wealth quintile for the studied interventions in 54 Countdown countries

Barros, A. J. D., C. Ronsmans, et al. "Equity in maternal, newborn, and child health interventions in Countdown to 2015: a retrospective review of survey data from 54 countries." <u>The Lancet **379**(9822)</u>: 1225-1233.

And people don't return to clinic



Sibanda, E. L., I. V. Weller, et al. (2013). "The magnitude of loss to follow-up of HIV-exposed infants along the prevention of mother-to-child HIV transmission continuum of care: a systematic review and meta-analysis." Aids **27**(17): 2787-2797.

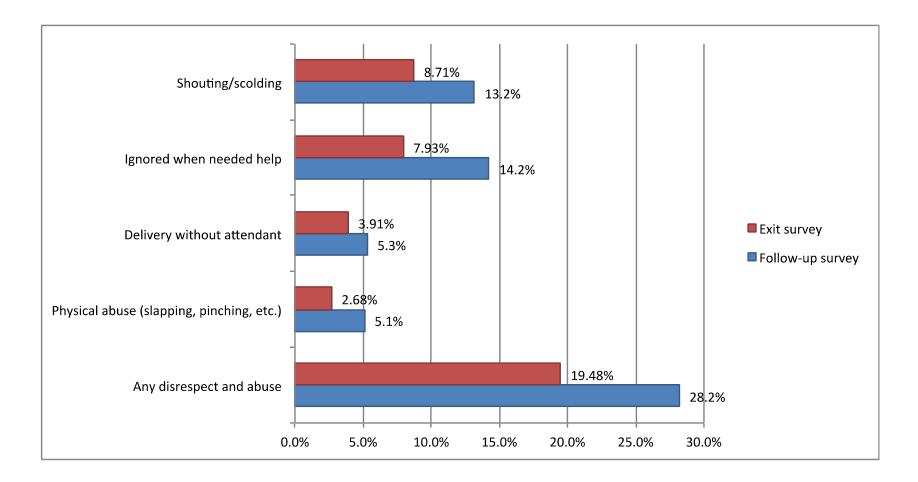
Many clinics sit empty



While others are overcrowded



Poor interpersonal quality

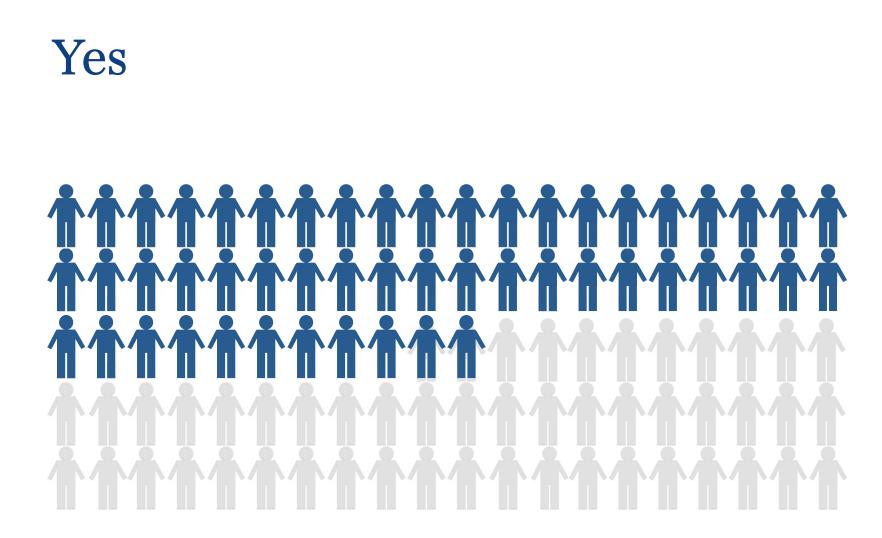


Kruk, M., S. Kujawski, et al. (2014). "Disrespectful and abusive treatment during facility delivery in Tanzania: a facility and community survey." Health Policy and Planning **in press**.

How do people react?

If you or your child is very sick tomorrow, can you get the health care you need?







Health Policy and Planning Debated



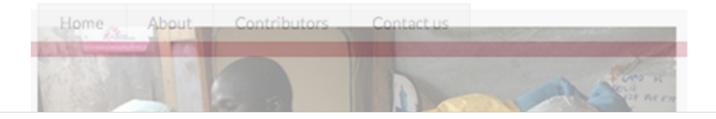
Missing: confidence in Liberia's health system

By phpumauj · September 15, 2014 · <u>health systems</u>, <u>low-income countries</u> · <u>No comments</u> Tags: <u>Africa</u>, <u>Ebola</u>, <u>epidemic</u>, <u>fragile states</u>, <u>health systems strengthening</u>, <u>Liberia</u>

by Margaret E. Kruk, Associate Professor, Columbia University Mailman School of Public Health



Health Policy and Planning Debated



" Any health system has to demonstrate its usefulness to people to be valued and trusted in emergencies "



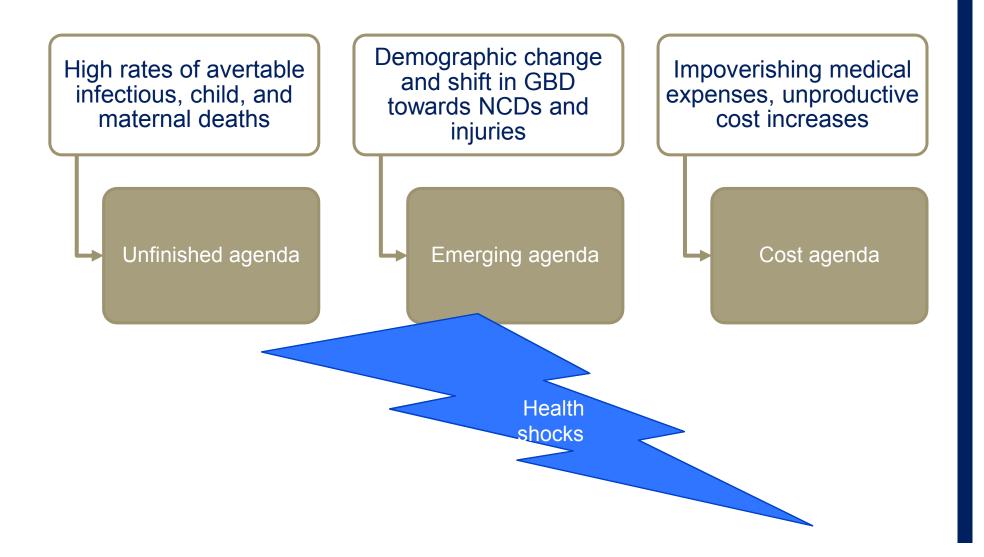
When Ebola hit, the system collapsed

<u>Dying at the hospital door from NY</u> Times

And population refused to come forward

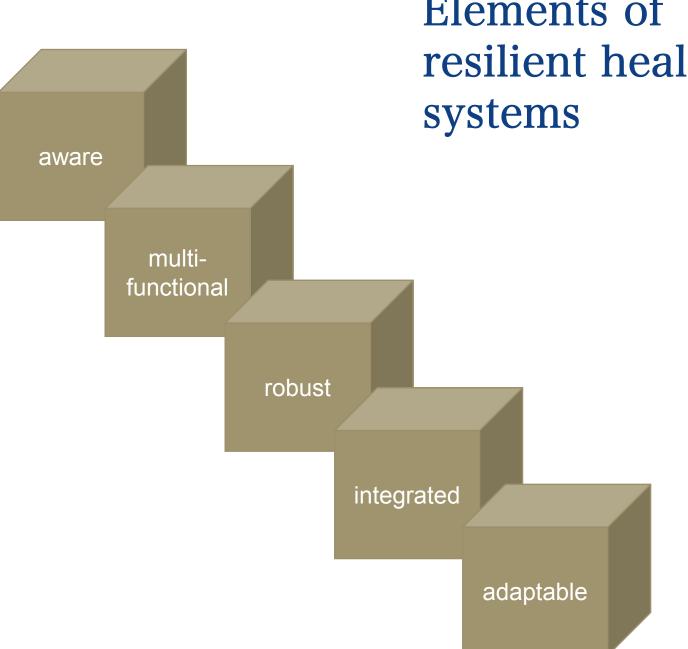


2015-2035: three four domains of health challenges

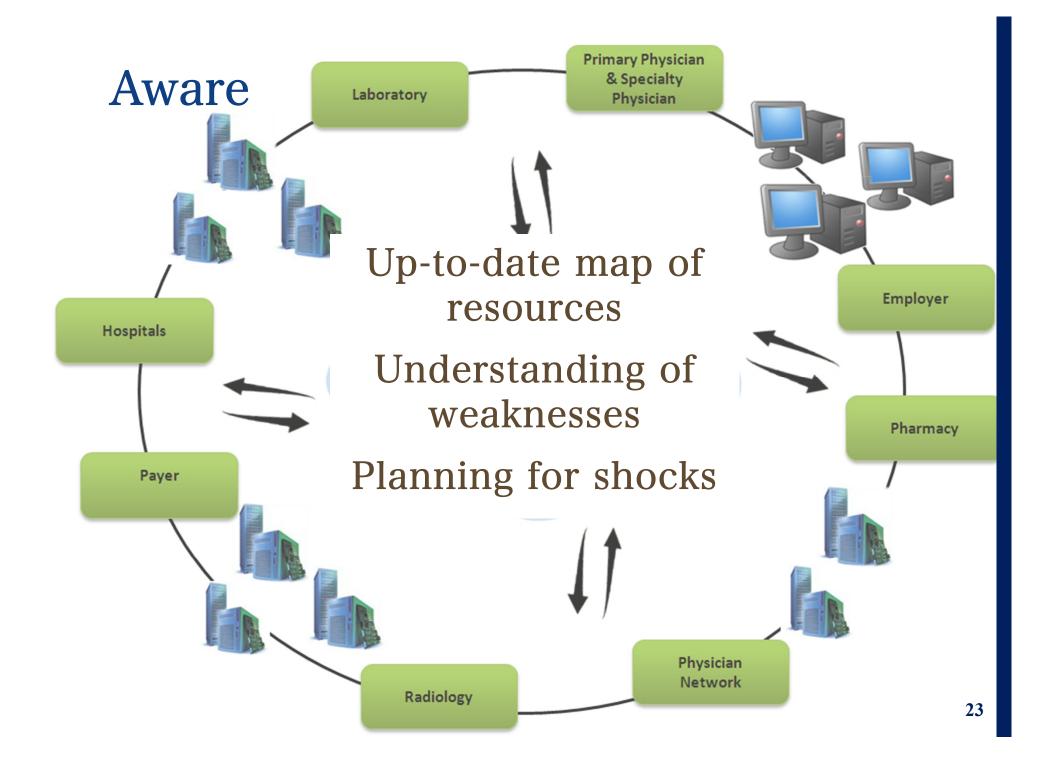


What is health system resilience?

"capacity of health actors, institutions, and populations to work within a supportive legal framework to prepare for and effectively respond to crises, maintain core functions, and reorganize if conditions require it"



Elements of resilient health



Multifunctional

Functioning, flexible primary care

Services for diverse conditions

Financial protection

Robust

Able to isolate threat Continued provision of core services Slow and fast inputs

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Integrated

Coordinated public health and health care

Involvement of actors outside health

Involvement of community Access to global resources

Adaptable

Changes to improve function Flexible organizational structure

Strong, nimble leadership

How do we build it?

- Local and regional actions
- Global governance

How do we build it?

Local and regional actions

- Greater investment in health care and public health
- More attention to functionality of the system
- Put users at the center
- Regional cooperation on science and response Global governance
- Better response capacity (money, policies)
- Shift in bilateral spending: building a health system platform
- Programming vertical programs to benefit health systems



"Health systems limitations are the binding constraint preventing further progress in global health"

INVESTING IN GLOBAL HEALTH SYSTEMS SUSTAINING GAINS, TRANSFORMING LIVES

OF THE NATIONAL ACADEMIES



"Future programming should emphasize.... country ownership, making investments over a long time period, and giving more attention to outcomes..."

"The United States should...require rigorous, external impact evaluations for U.S. government global health projects that involve technical innovation or new models for service delivery"

INSTITUTE OF MEDICII

Institute of Medicine (2014). Investing in global health systems: sustaining gains, transforming lives. Washington, DC.

Japan's role?

MOFA ODA charter

- Support self-help efforts of developing countries
- Take perspective of human security
- Assure fairness
- Utilize Japan's experience and expertise
- Partner with international community

Great role for academic institutions in documenting and evaluating resilience?

Japan's Global Health Policy

"Improve monitoring, continuous assessment, and evaluation...conducted by independent third party"

"Full-fledged system of policy analysis should be developed, including the validation of policy ideals"



Common interests, shared solutions

- Resilience is a priority for health system building and a point of global health solidarity
- Requires new thinking at national and global levels
- Clear role for research to promote transparency, accountability, and shared solutions
- New multilateral research partnerships needed to deliver on this task