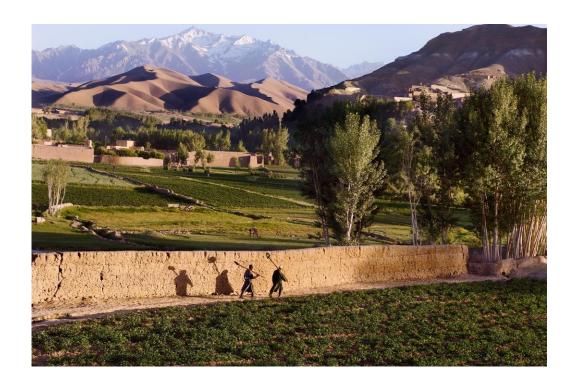


What is the idea?

- Use our collective experience with disease-specific optimisation models identify health service priorities on the pathway to Universal health coverage
- Build on the foundations laid by the World Bank, The World Health Organisation, iDSI, DCP, IHME, Tufts, NGOs and country stakeholders
- Work in close partnership
- The HSP tool is an open-access, user-friendly, highimpact resource to assist with health service prioritisation at the country level













Informing Allocative Efficiency in Health Service Prioritization

Support countries to:

Make the best possible investment decisions

Support demand for and delivery of services to the **best**

feasible standards:





at the right time

in the right ways

For the greatest health impact









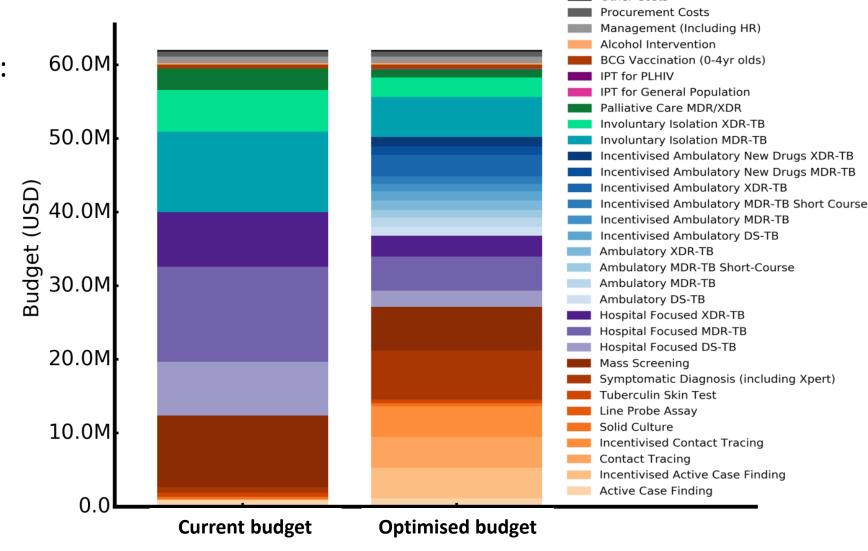


Improve effectiveness with the same budget for TB

An optimal budget allocation:

Doubles the budget for testing programs, with a marked shift towards active case finding and contact tracing while reducing mass screening

 Shifts funding from hospital-based to ambulatory treatment modalities



Other Costs

How does this work in practice?

5 Steps to Identifying Local Health Service Priorities using Global Evidence

- 1. Automatically upload a country's disease burden
- 2. Import best evidence for health program cost and effectiveness
- 3. Calculate the cost and impact of globally recommended packages in context
- 4. Compare current spending and impact against alternative allocation scenarios
- 5. Powerful graphical output in simple charts and diagrams to support a wide policy dialogue











What does HealthPrior look like?

HealthPrior

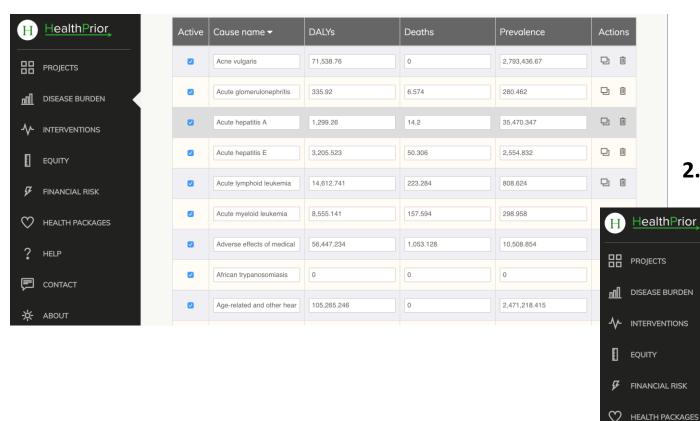
DISEASE BURDEN

? HELP

-☆- ABOUT

CONTACT

1. Automatically load up a country's disease burden from IHME:

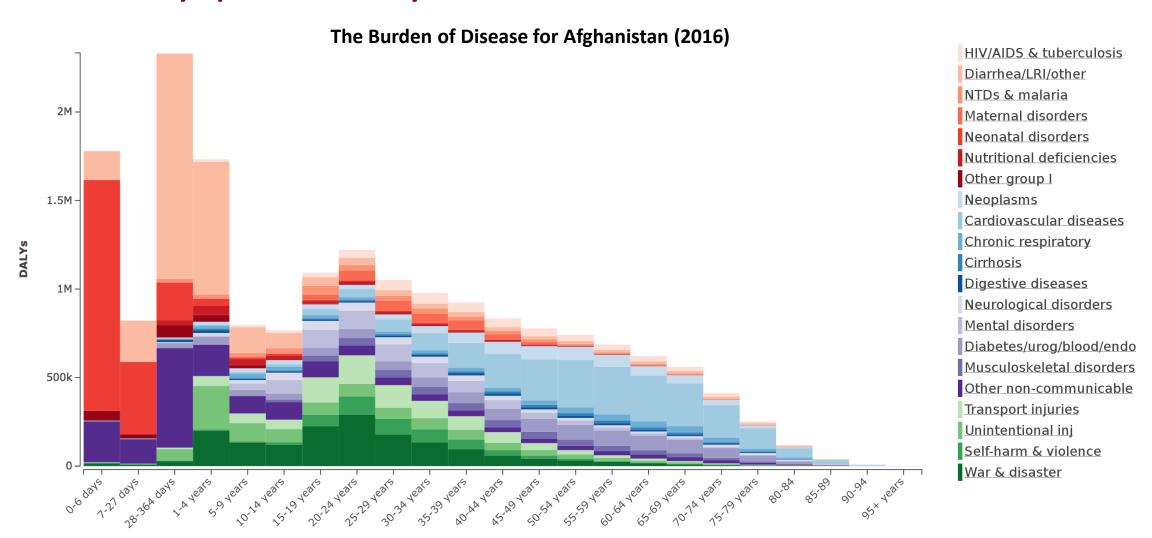


Users can update the burden of disease and intervention list/attributes using local data

2. Loads a list of recommended cost-effective interventions



1) Automatically upload a country's disease burden



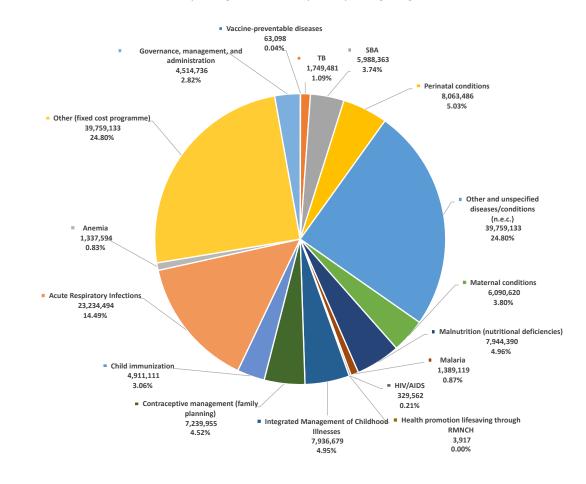
2) Import best evidence for health program cost and effectiveness

An example using the Basic Package of Health Services (BPHS) and National Health Accounts (NHA) for Afghanistan

Estimated spending on the BPHS, by NHA spending categories

An estimated USD \$160M is spent on the Afghanistan BPHS:

- Maternal and child health currently accounts for 25% of BPHS spending
- Acute respiratory infections account for 15% of spending
- 25% is spent on other NCDs
- 25% is spent on other interventions/services not specified in the NHA

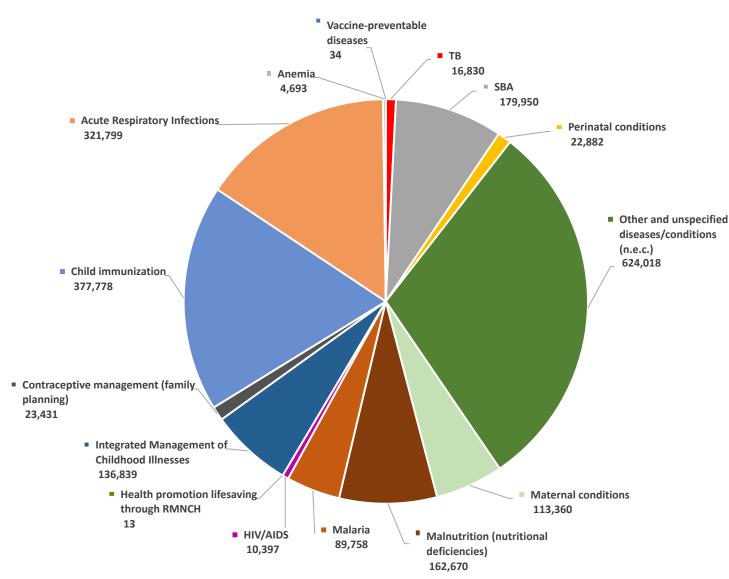


3) Calculate the cost and impact of recommended packages in context

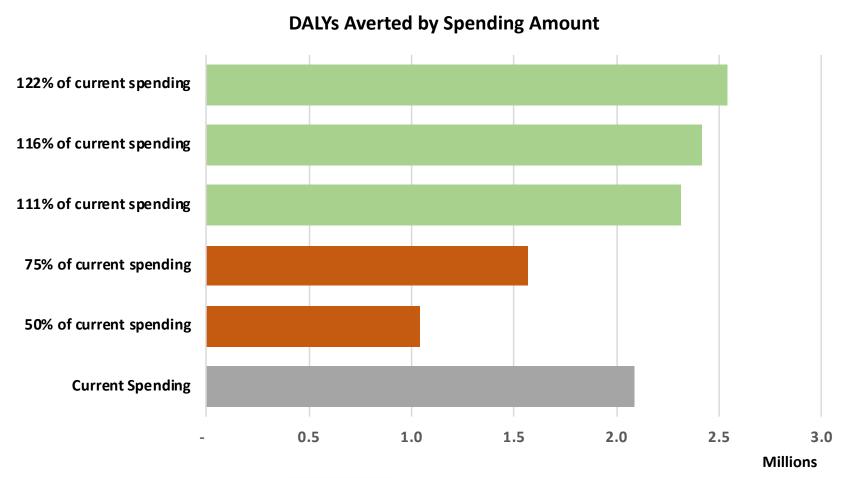
Afghanistan's BPHS averts an estimated 2M DALYs, around 10% of the IHME estimated total burden of disease (18M DALYs):

- Almost 50% (900M) of all DALYs averted by the BPHS are from maternal and child health
- Around 15% of all DALYs averted are from acute respiratory infections
- Other NCDs account for 30% of the DALYs averted by the BPHS

Estimated DALYs averted by the BPHS, by NHA spending categories



4) Compare current spending and impact against alternative scenarios



Increases predicted by fiscal space analysis

Reductions in spending

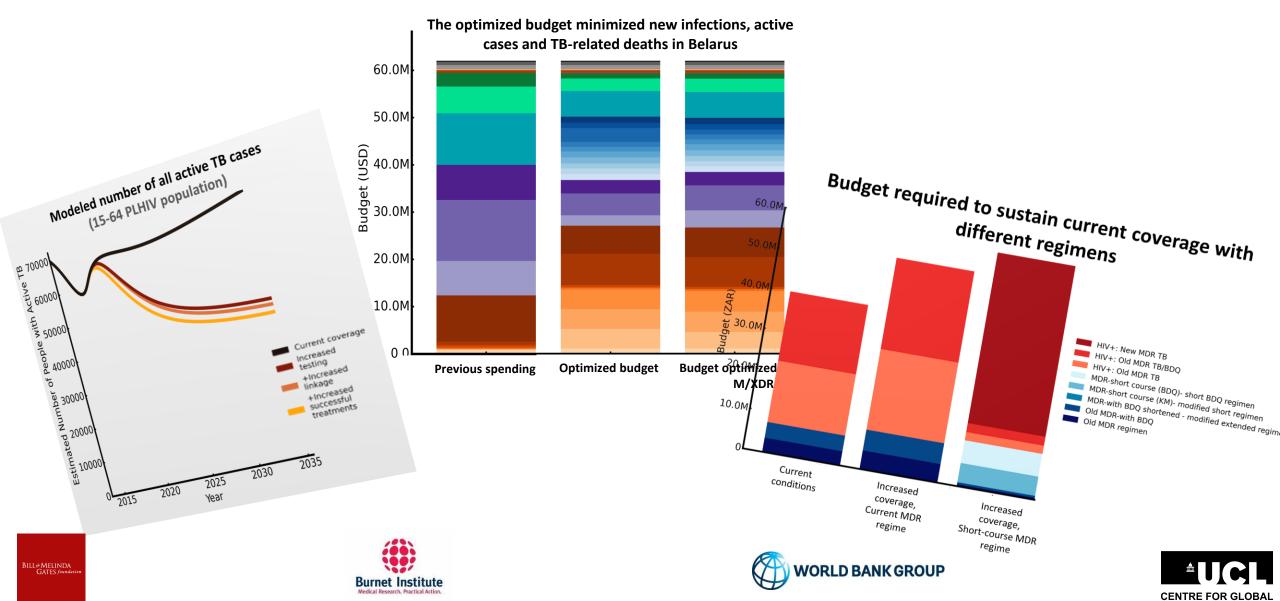








5) Powerful graphical output to support a wide policy dialogue



HEALTH ECONOMICS

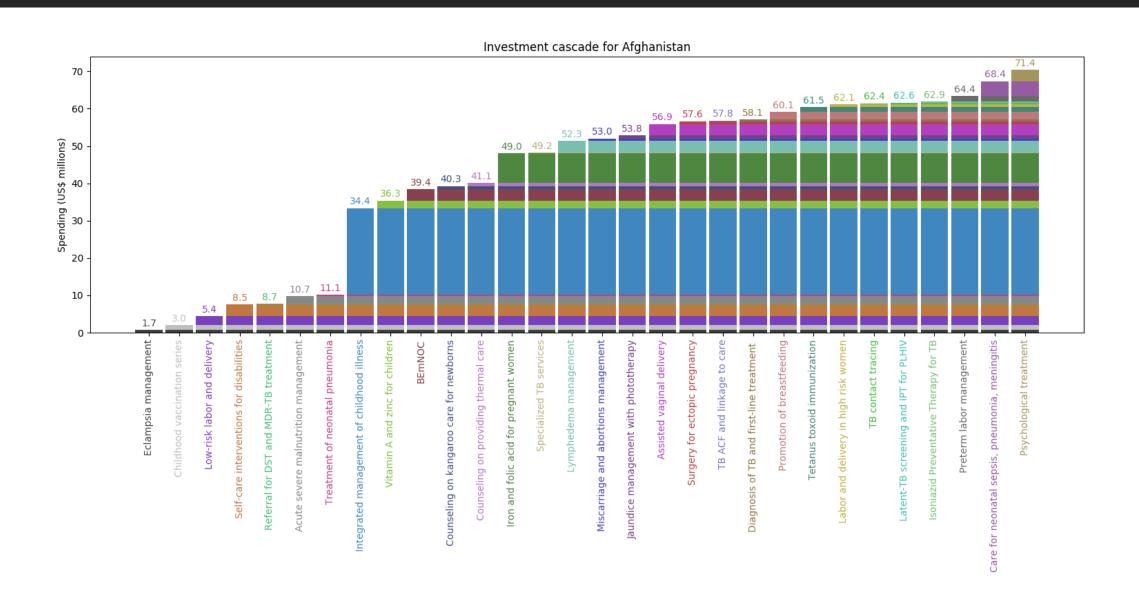
Insight into the interventions with greatest estimated impact...

The following six interventions are estimated to have the highest impact in Afghanistan, and each averts more than 100K DALYs:

Intervention name	DALYs averted
Childhood vaccination series (diptheria, pertussis, tetanus, polio, BCG, measles, hepatitis	377,778
Early detection and treatment of neonatal pneumonia with oral antibiotics	319,682
Functional interventions for self-care for individuals with disabilities	181,464
Screening and management of diabetes among at-risk adults, including glycemic control,	
management of blood pressure and lipids, and consistent foot care	181,464
Management of labor and delivery in low risk women by skilled attendants, including	
basic neonatal resuscitation following delivery	157,241
Detection and treatment of childhood infections with danger signs (IMCI)	136,839

All but two of the six interventions address maternal, neonatal and child health

...and how to allocate funding depending on available budget



Questions?











