



■ WHAT WE DO







OUR GLOBAL REACH AND PRESENCE

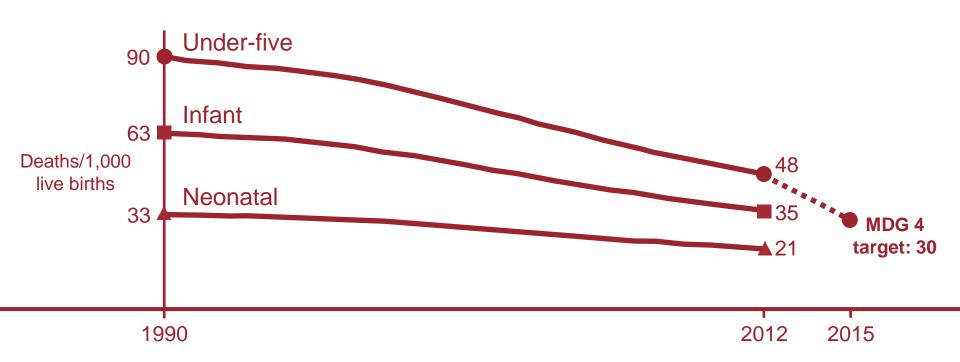


DO WE NEED INNOVATION IN GLOBAL HEALTH

...beyond better delivery of existing simple solutions?

PROGRESS IN REDUCTION

of under-five, infant and neonatal mortality rates



MAJOR PREVENTABLE Of under-five (U5) child deaths from infectious diseases



TECHNICAL HURDLES TO IMPACT ARE HIGHER IN GLOBAL HEALTH

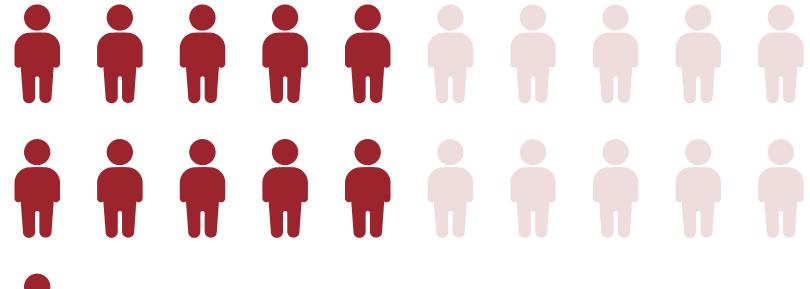
...due to environmental factors and broken delivery systems.



WHAT IS INNOVATION IN GLOBAL HEALTH?

2011 **MANUFACTURERS** supplying GAVI-funded vaccines DOUBLED 2001

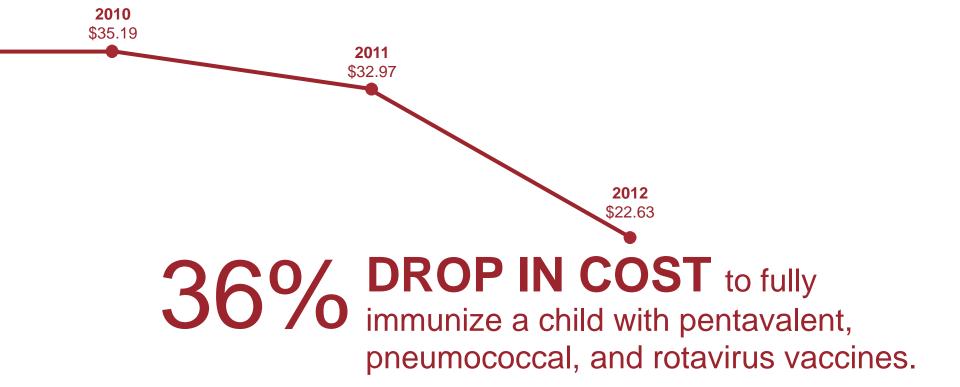


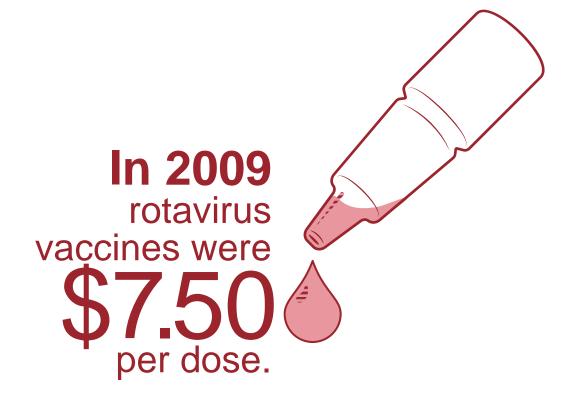


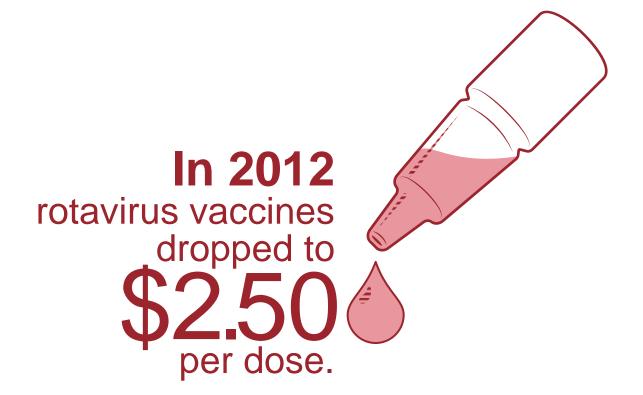
>50% of GAVI's vaccine suppliers are DCVMs

ADDITIONAL CHILDREN IMMUNIZED 370 With GAVI support: 370 M

2001











SCIENTIFIC CHALLENGES

Innovating for the developing world poses a unique set of difficulties, including developing:

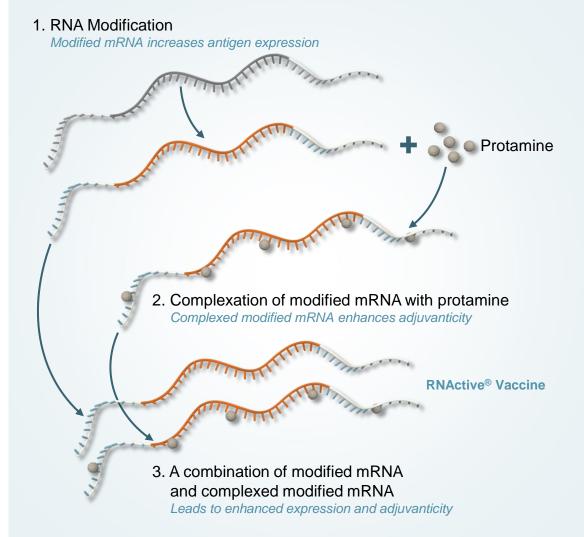
- Solutions for weakened immune systems
- Novel ways to boost vaccine responses
- Single-shot vaccines and long-lasting antiretroviral drugs
- Combination vaccines to target multiple diseases



CUREVAC®

- Uses messenger RNA (mRNA) to test novel vaccines or vaccine concepts (e.g. influenza and non-live Rotavirus vaccines)
 - Efficient development a very fast manufacturing process
 - Relatively streamlined one manufacturing process for all product candidates
 - High stability
 - Self adjuvantation
 - Absence of any protein immunogen purification





INFRASTRUCTURE LIMITATIONS

Limited cold chain storage and weak health systems intensify the need for:

- Heat-resistant vaccines
- Innovative packaging/multi-dose vials to reduce volume in cold chain
- Reducing wastage preservatives for multi-dose vials
- Battery-operated, rapid diagnostic tools
- Tracking mechanisms and efficient supply chains to avoid stock-outs



Overcoming Infrastructure Limitations

VILLAGE REACH - MOZAMBIQUE

Results of VillageReach's work to overcome infrastructure limitations in Mozambique include:

- Reduction in incidence of vaccine stockouts in rural health centers from 80% to 1%
- Increase in the amount of time the cold chain is working from 40% to 96%
- Increase in the percentage of children receiving basic vaccines from 69% to 95%



AFFORDABILITY

- Sanofi-BMGF price support mechanism will enable US\$1/dose pricing for IPV
- IPV is necessary to achieve a polio-free world by 2018
- UNICEF will procure up to 300 million doses of IPV per year
- The GAVI Alliance will make IPV available for inclusion in routine immunization in 73 of the poorest countries

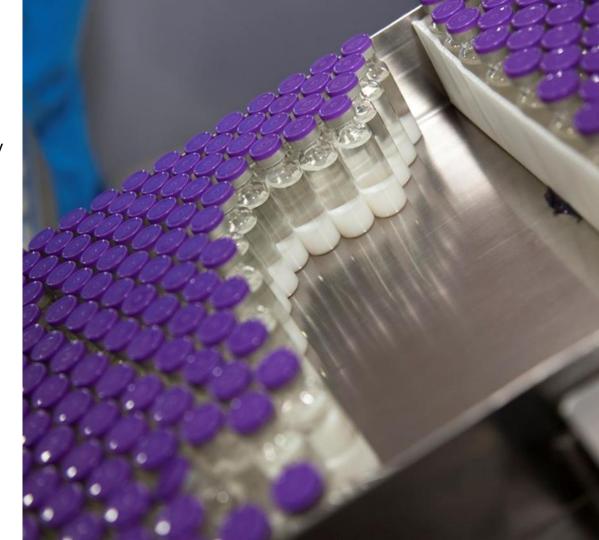




OVERCOMING MARKET FAILURES

We provide financial support to industry through a variety of financial instruments to de-risk investments in global health products, including:

- Advanced Market Commitments
- Volume Guarantees
- Product-Related Investments
- Equity Investments



Overcoming Market Failures

GLOBAL HEALTH INVESTMENT FUND

An innovative approach to funding promising global health technologies

- A \$108 million social impact fund composed of individual and institutional investors
- Focused on development of drugs, vaccines, diagnostics, and other interventions for low-income countries
- New technologies will target malaria, TB, HIV/AIDS, and maternal and infant mortality

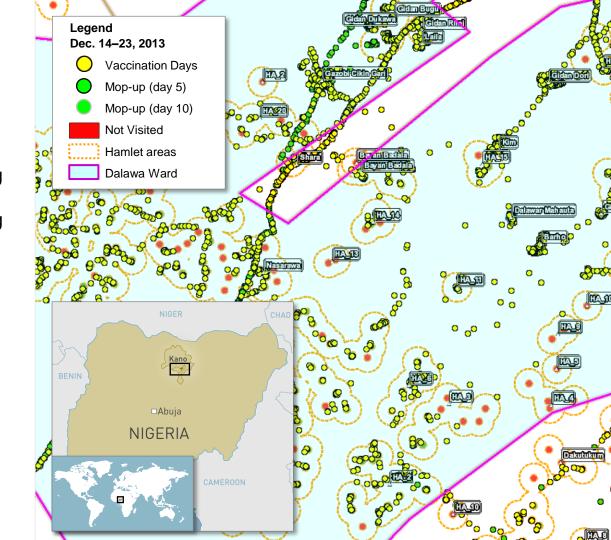






TRACKING POLIO VACCINATION IN NORTHERN NIGERIA

Using GIS mapping and GPS tracking of vaccination workers in Northern Nigeria yields data useful in improving microplanning and identifying communities missed during polio campaigns.



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GLOBAL BURDEN OF DISEASE

GBD 2010 was the first standardized. comprehensive platform to quantify global health data by geography, age, and sex

Greater accessibility and improved access to data

We are investing heavily in Global Burden of Disease 2.0

- The goal is to inform decision-making and maximize health system impact
- However, we still have a fundamental issue with primary data quality

remaies China

China

Greece

Netherlands

United Kingdom

Uruguay

Iceland

Luxembourg

Norway

Czech Republic

Finland

United States

Denmark

Poland

Estonia Mexico

Vietnam Panama

Maldives

Argentina

Brunel

Sri Lanka

Ecuador Venezuela

Lithuania

Croatia

Slovakia

Bosnia and Herzegovina

Serbia

Thailand

Tunisia Lebanon

Syria

Qatar

Romania

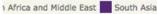
Hungary

Latvia

Armenia

Colombia

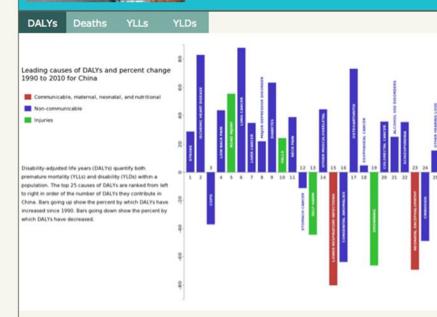
entral Asia High-income



In terms of the number of years of life lost (YLLs) due to premature death in China, cerebrovascular disease, ischemic heart disease, and chronic obstructive pulmonary disease were the highest ranking causes in 2010.

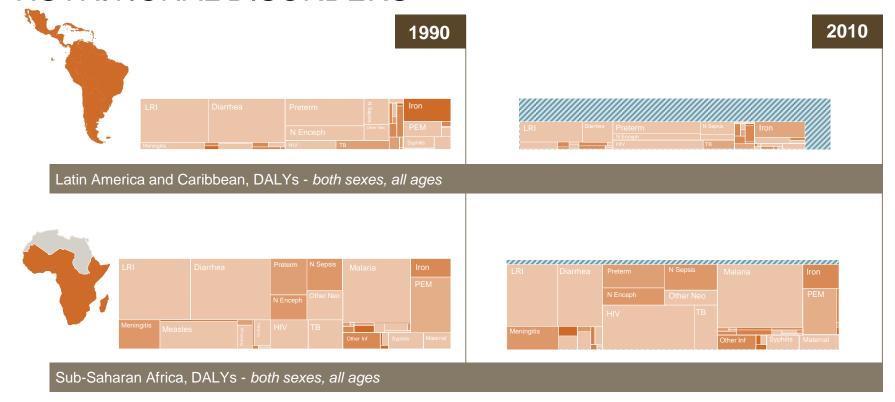
Of the 25 most important causes of burden, as measured by disability-adjusted life years (DALYs), lower respiratory infections showed the largest decrease, falling by 80% from 1990 to 2010.

The leading risk factor in China is dietary risks.



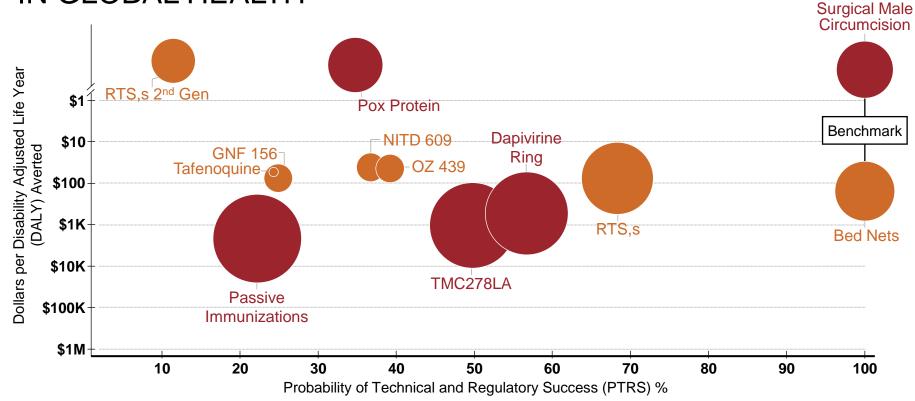
Source: IHME

COMMUNICABLE, MATERNAL, NEONATAL AND NUTRITIONAL DISORDERS

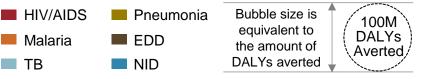


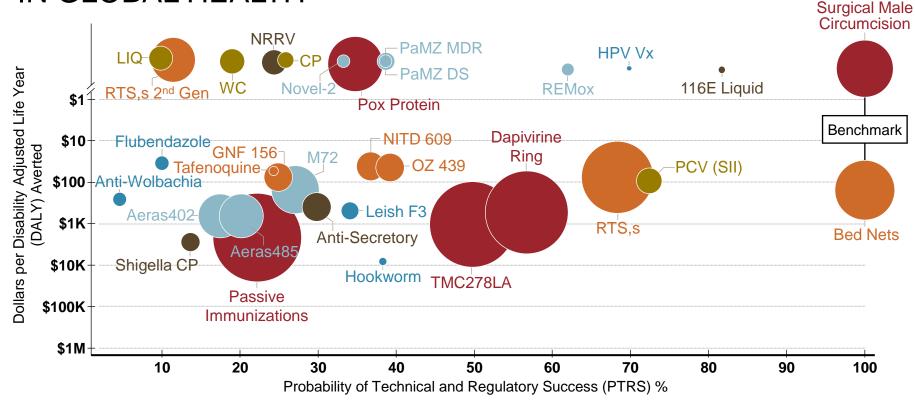
GUIDING OUR INVESTMENTS IN GLOBAL HEALTH













SOME OF OUR PARTNERS















































































































































































































