







WHAT WE DO

The foundation has four missions that help us achieve our vision of a world where every person has the opportunity to live a healthy, productive life:



Ensure more children and young people survive and thrive



Empower the poorest, especially women and girls, to transform their lives



Combat infectious
diseases that particularly
affect the poorest



Inspire people to take action to change the world

HOW WE DO WHAT WE DO



Grantees and partners are at the center of our work



Together, we take risks, push for new solutions and harness the power of science and technology



This work requires support from governments, the private sector, communities, nonprofits and individuals

WHAT KINDS OF INVESTMENTS DO WE MAKE?

We listen and learn so we can identify pressing problems that get too little attention. Then we consider whether we can make a meaningful difference with our investments.

We make 3 major kinds of investments:

- Grants
 Funding for projects, products, and infrastructure
- Direct Charitable Expenses
 Support for activities that benefit the public or charitable sector
- Program-Related Investments
 Tools to stimulate private-sector innovations, encourage market-driven efficiencies, and attract external capital to priority initiatives

Our program-related investments are made in the form of:



Fund Investment



Loans



Guaranties



Direct Equity Investments

TAKING RISKS USING GRANTS: CAPITALIZING ON UNEXPECTED OUTCOMES

- Several studies highlighted the secondary benefits of azithromycin MDA for trachoma
 - 1995-1999. Bailey, Mabey et al: malaria, respiratory infections
 - 2002. Fry et al: respiratory infections, diarrhea, impetigo
 - 2009, 2011. Porco, Keenan et al: mortality
 - 2011-2013. West, Coles et al: respiratory infections, diarrhea
 - The TANA Study (Porco et al. 2009 JAMA effect size 0.51 (0.29-0.90; P=.02) specifically formed the basis of MORDOR.
 - 1-5yo effect size: 0.47 (0.26-0.84; P=.01)
 - Main challenges:
 - Relatively short study length of one year, few deaths
 - Ages 1-9 (~12,000 int and ~5,000 ctrl)
 - Directionality of difference between and quarterly administration
 - Largest effect between in the 2nd to 4th year of life

	Mortality (% deaths/year)		
Age at initial census	Treated (N=36)	Control (N=12)	Odds Ratio
1 year	1.5%	1.8%	0.8
2 years	0.3%	1.9%	0.2
3 years	0.4%	1.0%	0.4
4 years	0.4%	0.7%	0.6

MORDOR TRIAL: 3 STUDY SITES



Niger site led by overall PI team at UCSF

- Loga and Boboye Districts
- Ingoing assumption of 215 U5MR, 2015 national est 96
- 67% DTP3 and 64% PCV3 coverage (introduced 2014)





Tanzania site led by JHU

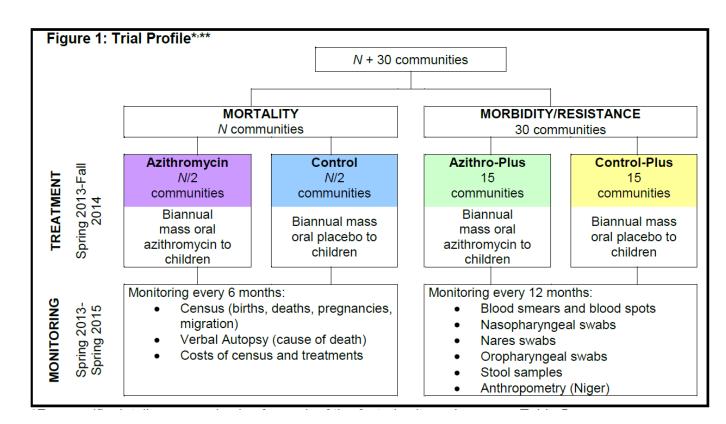
- Kilosa District
- Ingoing assumption of 108 U5MR, 2015 national est 49
- 97% DTP3 and 96% PCV3 coverage (introduced 2012)

Malawi site led by LSHTM

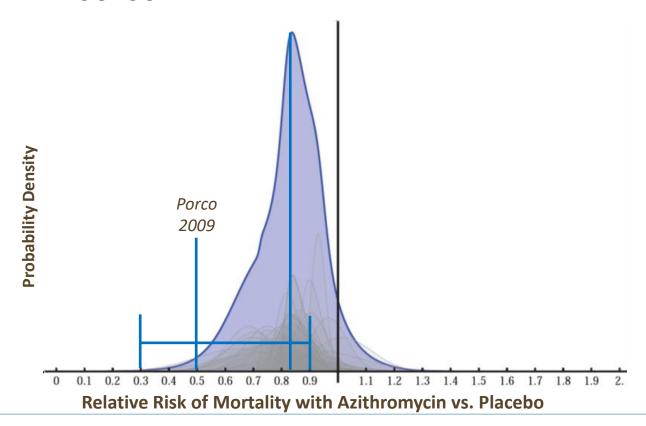
- Mangochi District
 - Ingoing assumption of 135 U5MR, 2015 national est 64 84% DTP3 and 83% PCV3 coverage (introduced 2012)

STUDY POPULATION AND RANDOMIZATION

- Each randomization unit (community) with 200-1000 population
- 600-2000 randomization units per country



BEFORE THE STUDY STARTED, HERE IS WHAT EXPERTS (N=28) PREDICTED FOR THE TRIAL OUTCOME



IMPACT OF TAKING THE RISK

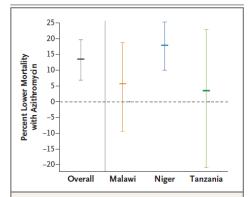


Figure 2. Efficacy of Azithromycin Overall and by Country.
Shown is the estimated percent lower mortality with

twice-yearly distributions of oral azithromycin than with placebo. I bars indicate 95% confidence intervals.

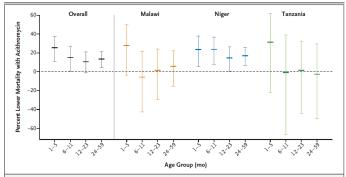


Figure 3. Efficacy of Azithromycin by Age Group.

Shown is the estimated percent lower mortality with twice-yearly distributions of oral azithromycin than with placebo, according to age group at the time of treatment. Younger children had the greatest benefit in all three countries. I bars indicate 95% confidence intervals.

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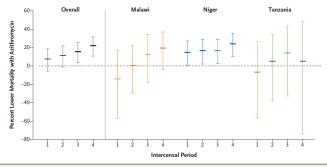
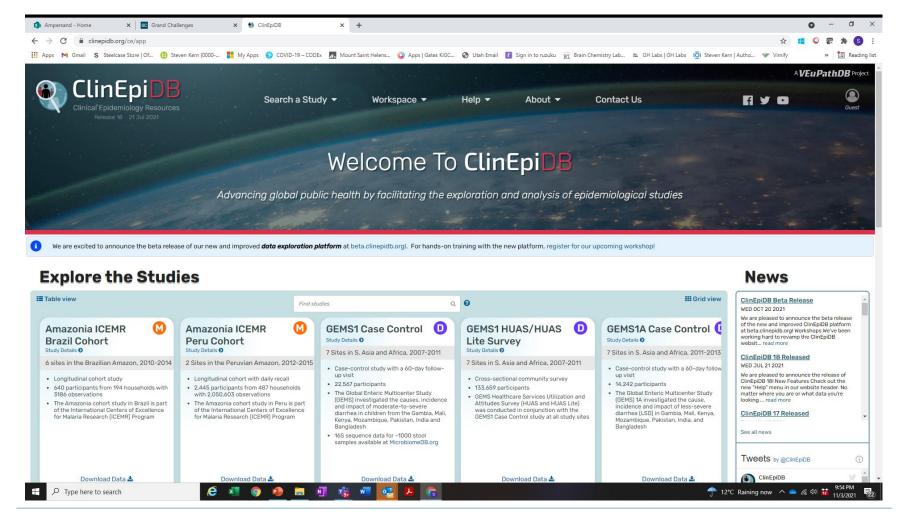
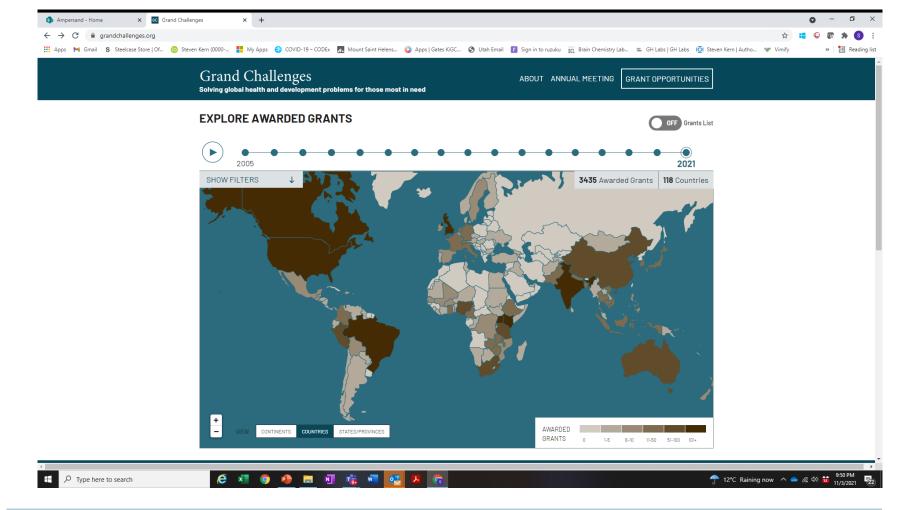
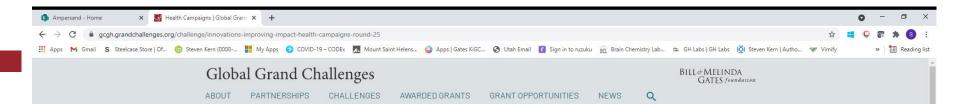


Figure 4. Efficacy of Azithromycin over Time.

Shown is the estimated percent lower mortality with twice-yearly distributions of oral azithromycin than with placebo over each of the four 6-month time periods. The aggregate efficacy of azithromycin as compared with placebo increased in each progressive time period. I bars indicate 95% confidence intervals.







Innovations for Improving the Impact of Health Campaigns (Round 25)



THE OPPORTUNITY

Countries rely on both routine health systems and campaign-based delivery to extend the reach of important health products. Many programs, including immunization, neglected tropical diseases, nutrition, malaria, and polio regularly rely on such campaigns to support accelerated disease control, make progress towards elimination/eradication goals, and achieve large scale health impact.

Campaign-based delivery of health interventions is typically time-limited, intermittent, and implemented atscale. All countries utilize health campaigns in some capacity - such as for outbreak response - and campaigns have been shown to be an effective way of driving health impact. For example, Vitamin A supplementation is

INITIATIVE

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Grand Challenges Explorations

DATE OPEN

Feb 26, 2020, 11:00 am PST

DATE CLOSED

Apr 22, 2020, 11:30 am PDT

AWARDED GRANTS

Using Interactive High-Resolution Geospatial Mapping to Inform Health Campaign Targeting in Mozambique

in 🖾

Adding Human Movement Models to Geospatial Planning

A Digital Gateway for Evidence-Based Planning of Health Campaigns

Using Behavioral Insights to Improve the Efficiency and Reach of Mass Drug Administration (MDA) Campaign Outreach Teams in a Lower-Middle Income Context

SEE FULL LIST →

HISTORY OF THE CHALLENGE

- Health Campaigns Rules and Guidelines
- 7 Health Campaigns RFP English
- Health Campaigns RFP Chinese
- Health Campaigns RFP French
- 7 Health Campaigns RFP Korean
- 🃜 Health Campaigns RFP Portuguese
- Mealth Campaigns RFP Spanish

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THE CHALLENGE

We are seeking innovative solutions that accelerate the improvement of coverage, reach, efficiency, and effectiveness of mass health campaigns that deliver health products or services in low-and middle-income countries, specifically through improved planning/microplanning and focus on unreached populations.

Specifically, we are looking for innovations in approaches, practices, or tools that dramatically improve the planning/microplanning that will lead to improved effectiveness of campaigns. We are also looking for innovative tools and technologies to more effectively identify and reach the most vulnerable populations when countries are designing and implementing mass campaigns.

In order to contribute to the development and spread of campaign "best practices", a solution should be applicable to campaigns beyond the context in which it is originally tested (e.g., applicable in multiple lower- to middle-incomes countries and/or applicable across multiple types of health campaigns such as immunization, NTDs, malaria, or nutrition).

We are especially interested in novel approaches that draw on innovation from large-scale delivery models outside of the health sector, which may include interventions used in the private sector.

Successful proposals should consider the following:

Planning and microplanning: This includes the planning processes - led by governments and often supported by partners - at the national, sub-national, facility, or community levels. Overall planning supports the mobilization of information and resources needed to conduct the campaign, and microplanning specifically addresses the detailed, delivery-level planning required to reach intended populations with the health intervention. Innovations might include/consider:

- Interactive or adaptive microplans that better incorporate past or real-time data (e.g. based on prior campaign performance or operational monitoring data) to guide planning and implementation.
- · Increased automation of microplans (e.g. updating, adapting microplans for other platforms).
- Modeling and analytics to test, identify, and recommend more effective implementation approaches (e.g.
 modeling to identify optimal location of campaign fixed sites and outreach posts in order to improve
 community access?)
- Novel or nontraditional information or data sources to improve the accuracy of planning (e.g. geospatial data to improve population estimation or location and more accurately plan for and target campaign delivery).
- Technologies for developing and using community maps or populations that can help campaigns to better reach their intended age groups or sub-populations.
- Novel approaches to understanding the effectiveness of campaign planning and implementation while campaigns are ongoing or during post-campaign evaluations.

Identifying and reaching high-risk or unreached populations: This includes innovative approaches to better understand, identify, and reach un/underserved communities and unreached or "zero-dose" children. This will likely include novel tools, technologies, and methodologies to more effectively identify and reach high-risk or unreached populations at a subnational level (e.g. approaches to leverage data, maps, or other information to support campaign planning, appropriate use of targeted or sub-national campaigns, and post-campaign assessments).

Criteria for success include solutions that:

- Are transformative, novel, or innovative. These interventions will significantly change the way in which
 campaigns are planned, conducted, or evaluated by proposing new ways of working, leveraging lessons
 from other sectors, or increasing transparency and effectiveness.
- Could be used by various health campaigns beyond the campaign in which the innovation is originally
 conceptualized or tested, such as for immunization (measles, yellow fever, meningitis, etc.), neglected
 tropical diseases (trachoma, onchocerciasis, schistosomiasis etc.), nutrition (vitamin A, deworming),
 malaria (bed net distribution, seasonal malaria chemoprophylaxis), and polio.
- Could be used in various low- and middle-income countries beyond the country in which the innovation
 is originally conceptualized or tested.
- · Can be designed, tested, and scaled as a "best practice".
- · Can be applied in low- and middle-income countries.
- · Are cost effective.

We will not consider funding for:

- Proposals that are not innovative; proposals that only offer incremental / non-transformative
 improvements (e.g., use of mobile data collection instead of paper-based collection) with no clear link to
 dramatically improved campaign effectiveness; proposals that repeat conventional approaches without
 novel application.
- Proposals addressing one specific health need/campaign platform, rather than an innovation that would improve health campaigns in general.
- Proposals focused on educational campaigns or are not specifically focused on campaign-based delivery of health goods and services. Interventions that are better classified as technical assistance or campaign implementation (e.g., focused on the delivery or improvement of a single campaign).
- Proposals focused on improving access to existing tools or technologies or seeking to apply existing tools
 in ways that do not transform the current practices used for campaign-based delivery.
- Proposals where the solution is to leverage one health campaign for co-delivery of other goods or services (e.g., using a NTD campaign to deliver vaccine reminders).
- Approaches not directly relevant to low-income settings and that do not clearly consider the local
 context of available financial systems and infrastructure for resource poor health settings (e.g., using
 expensive devices; require government issued IDs where few people have them; require hospital
 deliveries in settings where this is not the norm).
- Secondary analysis of existing studies or systematic reviews unless there is a clear way in which the
 analysis can be scaled and will fundamentally change practice.
- · Approaches that circumvent the public sector completely.
- · Approaches which would require a donor's long-term financial support to sustain.
- · Approaches that are clinic based.

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TAKING RISKS ON PRIVATE PHILANTHROPY:

- Hyper focused on "strategy" so you need to align with that focus
- Don't always fund ideas via RFPs. (Directed Funding, Collaborative Grants, Consortium Programs)
- Staying connected in their channels to find out what's in scope.
- Shorter times for submission, shorter duration of awards
- Partner and Investment are purposefully chosen words
- It's not always grants

