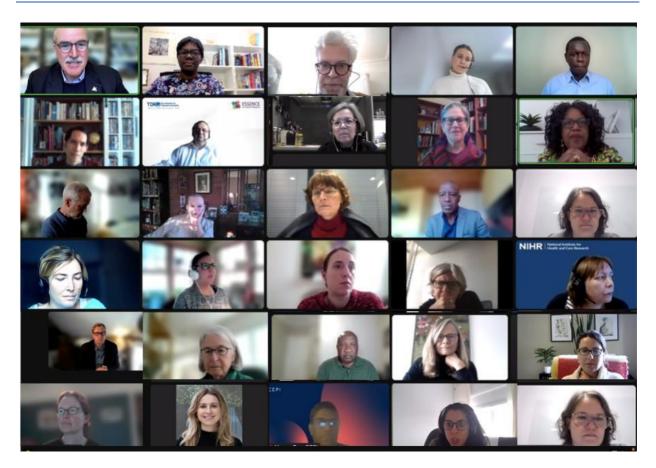


Third Meeting of the ESSENCE Mechanism for Review of Investments in Research Capacity Strengthening in low- and middle-income countries focused on Funder Coordination

18 November 2022



Meeting Notes

Objective: The objective was to convene funders of global health research capacity strengthening (HRCS) for clinical research related to pandemic preparedness and share information on current and future key initiatives, best practices, and lessons learned; improve coordination; and increase equity and effectiveness in capacity strengthening efforts. Emphasis was given to capacity strengthening efforts in geographic areas at the lowest levels of capacity.

Participants: Major funders of health research capacity strengthening including those from high-income countries (HICs), low-and middle-income countries (LMICs), multilateral organizations, and philanthropy. (Researchers and other implementers and stakeholders in capacity strengthening activities will be consulted in other fora).

The agenda and list of participants are available in Annexes 2 and 3.

The presentation slides are enclosed to these notes following the order in which they were presented.

1. Welcome and background on ESSENCE / Meeting overview and background

Session co-chairs: **Peter Kilmarx**, Co-Chair, ESSENCE WGRI¹, FIC/NIH²; **Thabi Maitin**, Co-Chair ESSENCE, Co-Chair, WGRI, SAMRC3

Thabi welcomed all attendees on behalf of the ESSENCE group and stated how delighted they are to have all participants join the meeting. She reiterated the role that ESSENCE plays in bringing together key funders of health research on an equal level to share the excellences of how they fund research, the challenges they face, and the opportunities they see in improving the work they are doing in LMICs. Peter briefly discussed the meeting overview and background, focusing his presentation on the background of WGRI as part of ESSENCE.

Presentation on WGRI:

- The working group convened in 2018 with a goal to improve the collaboration among the funders of health research capacity strengthening following the report that was sponsored by the World Bank and CEPI, titled Money and Microbes.
- The simple metrics for national health research capacity involves three indicators, of which the working group looked at the number of clinical trials in a country in the WHO registry, the number of funding research activities in the country listed in the world report, and number of publications from a country listed in Scopus.
- The Global Health Security Agenda (GHSA) has established a R&D task force that is developing more detailed indicators that could be used as part of a joint external evaluation (JEE) for countries to access their own R&D capacity relevant to pandemic preparedness; and in order to use that to mobilize resources.
- ESSENCE is hopeful that funders would increasingly use these metrics to guide their work of capacity strengthening and that jointly, can have targets in developing road maps for achieving a rational level of health research capacity around the world.
- For additional background on WGRI and other components of the ESSENCE Mechanism, see Annex 1.
 - 2. Funder strategies and future initiatives for research capacity strengthening for pandemic preparedness in LMICs - PART 1

Session moderated by Garry Aslanyan, WHO/TDR, Coordinator, ESSENCE Secretariat.

a. Global Research Collaboration for Infectious Disease Preparedness (GloPID-R) - Hans-Eckhardt Hagen

A guick run through of the objectives of the Global alliance funding organizations as part of GloPID-R investing in research related to new or re-emerging infectious diseases to increase preparedness and facilitate rapid research response was made to lead off the discussion on funder strategies and future initiatives.

Funder initiatives

- GloPID-R is not a funder itself but a global network of funding agencies.
- While capacity strengthening is key for GloPID-R, it cannot itself finance its own programme. Instead it can influence through provision of evidence and guidance for members (and beyond) on identified funding priorities/gaps.

WGRI - Working Group on Review of Investments

FIC/NIH - Fogarty International Center, U.S National Institutes of Health
 SAMRC - South African Medical Research Council

- Key to this is the planned establishment of joint funding calls on specific topics, which will involve capacity strengthening.
- The development of regional hubs, currently underway for Asia-Pacific and the African continent, will strengthen the voice and ownership of LMICs.
- There will be many changes in 2023 including moving from just being a convening entity to an enabling platform, focusing on developing tools and instruments to assist membership achieving improved funding efficiency.
- As of January 2023, GloPID-R's Secretariat will operate from its new host organization, the Charité
 University Medicine in Berlin, embedded in their new Centre for Global Health, having successfully
 secured three more years of upstream funding from the European Commission.

b. Coalition for Epidemic Preparedness Initiatives (CEPI) - Paul Oloo

The workings of CEPI was put in perspective within the domain of its work towards a state where epidemics and pandemics are no longer threats to humanity through accelerating the development of vaccines and other biologics against pandemic and epidemic threats.

Funder strategies

- CEPI is funding the *ENABLE* multisite prospective cohort studies on Lassa fever in 5 West African countries to support readiness for future advanced stage vaccine trials through improving infrastructure, developing and training of staff at the sites, as well as promoting south to south collaborations and discussions.
- Through the ENABLE study strengthening of existing capacity, local leadership and ownership of country studies and supportive collaboration with community and national authorities are a priority. There has been significant investment in the clinical trial sites.
- Capacity building is a component of the diverse calls for proposals issued by CEPI.
- In considerations for future outbreaks in the areas with lower capacity, CEPI has clinical trials that are ongoing in LMICs in Asia and in Latin America to further build capacity in readiness for the next epidemic or pandemic.

Future initiatives

- In the short-term, preparations for West African Lassa Phase 3 efficacy trials would include identification of trials sites fit for purpose, identifying suitable partners to support operational activities and capacity building and to fit this concept into the existing ecosystem and networks.
- Long-term Research preparedness would ensure strategic site readiness to support the 100 days mission with a broader focus on portfolio diseases and any other future outbreaks using sites identified as best positioned for long-standing self-sustained partnership, through relationships with well-connected hubs, and sustainability of the efforts to be implemented.
- CEPI has an aspiration to develop safe and effective vaccines in 100 days from the moment a pathogen is sequenced or a vaccine is recognized, to initial availability for use.
- To achieve this aspiration, CEPI is investing in understanding the pathogens and developing vaccine libraries through having preliminary investments related to collecting data around them. This would enable it and its partners to activate clinical trials or other efforts to expedite vaccine developments.
- CEPI is also keen to support vaccine manufacturing initiatives in LMICs with an initial focus on vaccine manufacturing and tech transfer initiatives in Africa
- c. <u>UK Collaborative on Development Research</u> (UKCDR) *Daniela Toale; Adrian Bucher*

Daniela and Adrian presented a brief introduction to UKCDR, its effort in bringing together major UK government departments, and other players in international development research.

Funder strategies

- UKCDR cannot speak on behalf of the UK funders but works closely with them in their areas of pandemic funding, and research capacity strengthening.
- In partnership with GloPID-R, UKCDR set up the COVID CIRCLE programme with the intention of coordinating effort, connecting networks of researchers, and collating learnings to inform future epidemic and pandemic responses with a focus on lower-resource settings.
- A key component of the programme is the <u>COVID-19 Research Project Tracker</u>, housing the databases of funded projects that addresses COVID-19.
- It consists of about 20,000 research projects worth at least \$7.2 billion, and of which 17 ESSENCE members or observers have projects worth at least \$2.2 billion.
- See the COVID CIRCLE report looking at funding and undertaking research during the first year of the pandemic – lessons for funders <u>here</u>. The report is currently being updated to look beyond the first year and that will be published in January 2023.

Key issues – PART 1

- How UKCDR was able to track the research capacity strengthening programmes as standalone, as well as capture grants with capacity strengthening as embedded in the projects. This was in consultation with the funders and the programme teams.
- The issue of vaccine equity as part of the lessons learned from covid-19 outbreak, and what mechanisms are being put in place by CEPI to avert such in the near future.
- CEPI has put in place mechanisms prior to the funding development activities to assure that the
 developers contracted would make certain that the vaccines they produce will be given to those who
 need them during pandemic or an epidemic.
 - 3. Funder strategies and future initiatives for research capacity strengthening for pandemic preparedness in LMICs PART 2

Session moderated by Linda Kupfer, Co-Chair ESSENCE, FIC/NIH.

a. Fogarty International Center, U.S National Institutes of Health (FIC/NIH) - Barbara Sina

The presentation focused on NIH's efforts in building emerging viral research capacity in West African Countries affected by the Ebola epidemic in 2014. As a biomedical research funder rather than an international development agency, priority was to focus on Liberia, Guinea and Sierra Leone after the pandemic in 2014.

Funder strategies

- NIH builds capacity on what already exists through equipping a fantastic research facility in Liberia, collaborating with the Lassa Fever research lab in Sierra Leone, and investing in a research center, as well as building a training programme in Guinea.
- It also builds capacity through collaborative research and training grants, of which research capacity building is a high priority.
- Use available exceptional mechanisms by setting up specifically targeted funding opportunities that were limited to building research capacity in the three countries.

- NIH works with many organizations in West Africa and the US Government that have ongoing research projects in the countries, and put together the critical people who are willing to work on building capacity for a long time, especially the LMIC leaders with the vision for research capacity to be built in their institution.
- Gather together research collaborators regularly, have frequent sharing meetings to solve problems, and involve other groups to contribute whatever they can.

b. Bill & Melinda Gates Foundation (BMGF) - Thy Pham

BMGF is a grant-making organization and a private funder that works with many of the groups at this meeting. More than 1 Billion in capacity building investments (also sometimes referred to as health systems strengthening and human resources for health) have been made from 2004-2017 including training institutions, finance/budget, policy, infrastructure, supplies, equipment, training, and information systems; the focus of this presentation is a small sampling of current investments. Two illustrative examples of investments include: CDT-AFRICA and CTC-AFRICA.

Funder strategies

- Within Global Health, the foundation makes capacity building investments in support of product development and research networks, which are important implementers for products in the pipeline.
- Its approach around capacity strengthening include:
 - 1. Engagement across partners (e.g. consortia, coordination mechanisms).
 - 2. Prioritization is based on burden of disease.
 - 3. Engage directly with local leaders; build from existing, remove barriers to access and increase data insights.

c. European and Developing Countries Clinical Trials Partnerships (EDCTP) - Thomas Nyirenda

EDCTP has 4 major areas of forecast related to capacity development: (i) support to develop research governance at a country level in collaboration with WHO Afro, (ii) improvement of regulations and ethics composite, (iii) development of researchers as future leaders, and (iv) the development of networks. The summary of achievements, 2014-2021 can be found *here*.

Funder strategies

- Up to 1 billion Euro has been spent in the last 8-10 years in supporting clinical research. Embedded in them are other issues of institutional support including infrastructure, development, and learning by doing in sub-Saharan Africa.
- Funds are also invested in separate clinical research capacity grants related to the development of networks and future research leaders with a focus on fellowship programmes.
- These networks are working on preparedness for epidemics and creation of networks of excellence for South-South/South-North collaborations.
- The PANDORA-ID-NET and ALERRT consortia have helped build platforms as part of EDCTP's contribution to preparedness for future outbreaks of epidemics.

Future initiatives

- EDCTP3 programme was launched in May 2022, building on the first and second funds activities (2004-2024) for research capacity building in Africa
- The focus of EDCTP3 would be centered on the implementation of programmes similar to the past two programmes, though roles of participants may be a bit different due to the legal framework under which EDCTP3 is implemented.
- There will be a lot more input to the work programme, especially with additions of epidemics preparedness work and anti-microbial resistance.

d. German Federal Ministry of Education and Research (BMBF) - Andrea Spelberg

One of BMBF's flagship programmes in the area of research capacity strengthening in LMICs is the Research networks for health innovations in sub-Saharan Africa (RHISSA). The networks contribute much to capacity building through the provision of excellent training for students, and conduct of excellent research.

Funder strategies

- The research topics are chosen based on the local needs in sub-Saharan Africa.
- The networks have African scientists as the main coordinating PIs who receive direct funding from Germany.
- The three key success factors for RHISSA are:
 - 1. Excellent research with local leadership
 - 2. Interdisciplinary networking,
 - 3. Part engagement as early as possible.

Future initiatives

- BMBF has been supporting EDCTP previously, and will continue for the third funding programme phase.
- The first funding phase for RHISSA is finishing, but the ministry will continue to fund more networks for the next 5 years (2023 – 2028).
- BMBF is a founding member of CEPI, and are happy to be able to continue with the support as well.
- Product development is an important part of BMBF portfolio, it will continue to support product development partnerships (PDPs).
- Currently in the selection process of a new funding phase for PDPs starting in 2023.

Key issues - PART 2

- In response to the question about how the current and new capacity being built can be maintained in order to be prepared for the next round of outbreaks, it was noted that it is up to NIH grantees to make the argument that it would be necessary to continue to build the capacity, and decide on what they want to do next.
- With regard to whether the agencies referenced (BMBF, NIH, and EDCTP) underscore the importance of scientific capacity building explicitly in their calls, it was underlined that BMBF does not call explicitly for capacity building in each and every proposal. It is up to the applicants to show or make a case for what will go to research and capacity building.
- On how EDCTP ensures equity in engagement in sub-Saharan Africa, it was mentioned that EDCTP balances excellence and needs, as well as ensures that the networks of excellence show in their deliverables that they are bringing in, and collaborating with the weaker countries.
- The agenda of the dialogue around issues of building capacity especially in the countries at the lower levels and how funders do that practically is deepening.
- ESSENCE is playing a significant role in bringing together relevant funders to openly have the discussion of what some of the challenges are, and how they are addressing them.
- While ensuring equity in engagement might be a difficult area to navigate, groups such as ESSENCE should attempt to come up with recommendations of standards for funders to uniformly enrich and measure up to the diseases that the world faces.
- Common solutions are needed to address and overcome the challenges raised at this meeting and many more, using platforms such as ESSENCE in order to be able to answer the question, "What next".

4. Report out and discussion

Session moderated by **Peter Kilmarx**, co-chair WGRI

Highlights from breakout groups deliberation

- There is an appetite for more discussion even though a lot of ground was covered by the presenters and across the four breakout groups.
- How to support and work with the countries with lower levels of capacity, strengthen mentoring, support the South-South interactions, provide the infrastructure, and engage the government and local partners in their role, are critical issues for further discussion.
- More time for more interaction is needed to have better coordination, reducing the duplication, and being more effective and more equitable.
- Does a larger coordination mechanism exist at the moment that ESSENCE needs to be a part of? Is there room for the funders at this meeting to argue for such?
- The World Health Assembly (WHA) is calling for a consultation for broader coordination. This
 provides an important opportunity for funders to think of how to have different kinds of themes
 around areas of capacity development that matter to clinical research and development of
 interventions.
- It is essential to elevate the need for funders to have more of this kind of interactions in a framework related to what are the actual key building blocks that funders think should be part of capacity, and who is doing what and where, and mapping of all of that.
- ESSENCE will continue to play a role around the focus on the capacity per se, and not around the content of the research.

5. AOB

- As part of the work of WGRI, ESSENCE is zooming to a country level from the broader mechanism in 2023. The working group has looked at Senegal and Bangladesh, and so far have made better progress with Senegal. At the moment, ESSENCE is in the process of planning the visit of funders or those who are interested or funding things in Senegal in February of 2023. Participants who are interested in joining the interest group of Senegal should reach out to Garry Aslanyan at aslanyan@who.int.
- U.S. NIH/NIAID has a staff member in Senegal who would be willing to join the Senegal discussion. WGRI Co-Chairs and ESSENCE Secretariat to reach out to Joyelle Dominique at dominiquejk@niaid.nih.gov.

6. Closing remarks

- Thabi thanked all the presenters and the working group members for a great gathering and discussion, as well as all the participants for their time and valuable insights. It is important to work through a language that is the same to every funder to better define what capacity building means. She concluded that all the issues discussed at the breakout session loosely falls under equitable partnerships, as such further work of the working group will be more of putting emphasis on this aspect. The co-chairs look forward to welcoming everyone again.
- 7. Meeting adjourned at 17:03 Central Eastern Time.

Annex 1: Addition background on WGRI and other components of the ESSENCE Mechanism

As part of the ESSENCE on Health Research initiative, the Working Group on Review of Investments (WGRI) was formed to improve coordination and collaboration among funders of health research capacity strengthening following a report sponsored by the World Bank and the Coalition for Epidemic Preparedness Innovations titled Money and Microbes, which was launched at the World Health Assembly in 2018. The report's key recommendation was that clinical research capacity should be considered an essential element of pandemic preparedness. The Working Group was established with more than a dozen ESSENCE members, including diverse representation by geography, country income level, the public sector, and philanthropy. In the first year, the framework for a coordination mechanism was established whereby funders would use data from the World Health Organization (WHO) Global Observatory on Health Research and Development (R&D) to help guide their activities for the greatest impact. Funders are encouraged to coordinate activities with each other to increase their effectiveness and equity, decrease duplication of effort, and prioritize capacity strengthening in countries with the greatest need. The overall goal is increased research on national health priorities as well as improved pandemic preparedness, and, ultimately, fewer countries with very limited research capacity. To date, the Working Group has developed and disseminated a basic set of metrics for national health research capacity, assessed different models of coordination and collaboration, and is identifying opportunities to better coordinate investments in partnership with national health authorities, researchers, and other stakeholders.

Annex 2: Breakout deliberations

Group Output of the breakout sessions

- How do funding agencies access local needs and investments when it comes to capacity strengthening programs? Variety of responses: haphazardly, by chance, through networks, or fit into partnerships agreement
 - Are there restrictions for the science funding agencies moving away from simply funding excellence in science research?. How do funding agencies accommodate research capacity strengthening needs and goals? Variety of responses: some are standalone programs, some are partnership programs.
 - Types of capacity building outside of the research space, and do other funding agencies look at administrative supply chain issues as key components of research capacity outside of threshold research space? Two approaches were identified: embedded in research capacity approach and the reinforcing approach
 - Evaluation and measuring of the impact of capacity strengthening programs and continued support of these program outcomes space - how do funders measure these outcomes?
 - Experience with coordination mechanisms, and the inherent challenges with the distributed decision making at science funding agencies when it comes to coordination at LMICs.
- The focus should be around sustainability issues and how funders can engage with country partners, especially governments.
 - There is a lot of brain drain/circulation/poaching. A lot of funders and private institutions even though do a lot of training, many are not seeing the crucial role of government in creating a career pathway and retention for people. That is going to be an ongoing concern.
 - Some other models of funders have clear long pathways for funding not just one fellowship or training, but support that really helps to retain people over a long-term.
 - There is currently a disjointed system and a leaky pipe that need more focus on building mentoring in the academy institutions and supporting and providing mid training career and support
 - Emphasis on thinking about, and supporting peer networks
 - A lot of interactions and discussion among funders is around products or disease areas.
 Funders need to spend more time talking about capacity per se, and strengthening the metrics used or common framework, and the vocabulary used for organizing work.
- Do funders have the actual narrative of where people are funding in pandemic preparedness, and where are the major gaps? And what should be included in those narratives?
 - Grassroots networks and ownership in the global South, so things are not just coming from the North. The discussions also focused on the difficulty in identifying sites to do clinical trials, and the potential for ceding collaborative studies between countries during the pandemic
 - A need for a rapid funding mechanism that can respond more rapidly than most of the current funding mechanisms' normal paces.
 - Fostering South-South training programs, not just more to the South, and what would be required, as well as having a low engagement government, which will form the basis of their response and the capacity that is chosen.
 - Importance of data exchange during epidemics and pandemics, and how that can effectively be done.

- Avoid duplication and focus on collaboration to address the issue of resources.
 - Focus on equity during capacity building
 - Funders should better define what capacity building means; what are the best practices, and what are some of the gaps.
 - How can funders empower some countries at the lower level or sites without the capacity, diversification of funding, and infrastructure funding.

Annex 3: **AGENDA**

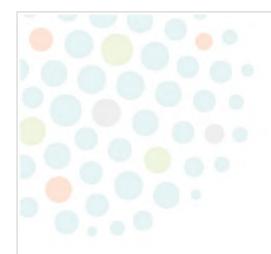
Time	Subject	Presenter/Moderator
Frida	y, 18 November	
13:55	Participants to connect at least 5 minutes in advance.	
14:00	Welcome and background on ESSENCE	Thabi Maitin, SAMRC, co-chair
14:10	Meeting overview and background	Peter Kilmarx, FIC/NIH, co-chair
14:20	Part 1. Funder strategies and future initiatives for research capacity strengthening for pandemic preparedness in LMICs Hans Hagen, Global Research Collaboration for Infectious Disease Preparedness (GLoPID-R) Paul Oloo, Coalition for Epidemic Preparedness Initiatives (CEPI) Daniela Toale, UK Collaborative on Development Research (UKCDR) Adrian Bucher, UKCDR	Garry Aslanyan, TDR and ESSENCE Secretariat, moderator
15:10	BREAK	
15:20	Part 2. Funder strategies and future initiatives for research capacity strengthening for pandemic preparedness in LMICs Barbara Sina, Fogarty International Center, U.S National Institutes of Health (FIC/NIH) Thy Pham, Bill & Melinda Gates Foundation Thomas Nyirenda, European and Developing Countries Clinical Trials Partnerships (EDCTP) Andrea Spelberg, Head of Division "Global and Public Health Research" at the German Federal Ministry of Education and Research (BMBF) Q&A	Linda Kupfer, FIC/NIH, moderator
16:10	Breakout discussions (12-15 participants per room) Discussion topics: What actions can funders take together and individually to be more effective and equitable in strengthening research capacity for pandemic preparedness in LMICs? What is the easiest way for funders to coordinate their future plans?	

	 Should the horizon of planning be next 2-3 years? Is there a way to change/revise plans of funding agencies based on what others are planning and if yes, how best can it be done? Is it feasible or desirable to establish metrics, targets, a road map, and budgets for strengthening research capacity for pandemic preparedness in LMICs? 	
16:30	Report out and discussion	Peter Kilmarx, moderator
16:55	Closing remarks	Thabi Maitin
17:00	Adjourn	

Annex 4: Participants

Organization	Participant	Email address
Bill & Melinda Gates Foundation (BMGF)	Thy Pham	thy.pham@gatesfoundation.org
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The South African Medical Research Council (SAMRC)	Thabi Maitin, Co-Chair ESSENCE, Co-Chair WGRI	Thabimaitin@gmail.com
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Funder strategies and future initiatives for research capacity strengthening for pandemic preparedness in LMICs: GloPID-R

Dr Hans Hagen
Director of Scientific & Advocacy
GloPID-R

Meeting of the ESSENCE
Mechanism
18 November 2022

Short introduction

- Global alliance funding organizations investing in research related to new or re-emerging infectious diseases in order to increase reparedness and facilitate rapid research response
- Three main objectives:
 - To support development of research preparedness activities in order to reinforce rapid response capacities
 - To facilitate rapid and aligned funding of research in an emergency
 - To reinforce GloPID-R's visibility and capacity for influence
- GloPID-R not a funder, therefore no central budget
- Influence through provision of evidence and guidance for members (and beyond) on identified funding priorities/gaps



Strategy

- Scientific Advisory Board in 2021
- Scenario planning method in collaboration with the Oxford Saïd Business School
- Mid-term horizon
- Key considerations:

Coordination of funding and funding initiatives is a key priority

- How & What to fund
- Greater efficiency of research funding
- Common funding mechanisms

GloPID-R to focus on research preparedness and response

- Focused budget & prioritize research beyond COVID-19
- Apply a "filling the gaps" strategy to identify areas for consideration
- Implement GloPID-R regional hubs strategy
- Re-think IP and data right conditionalities & data sharing

Support better preparedness through research capacity strengthening

- Regional preparedness platforms
- One Health approach
- Expand membership to LMICs to address inequity in funding distribution
- Consider for funding a range of policy & economy related measures

COVID-19 RESEARCH

RECOMMENDATIONS & CONSIDERATIONS FOR GLOPID-R

2021-2023



GloPID-R Scientific Advisory Group - June 18, 2021



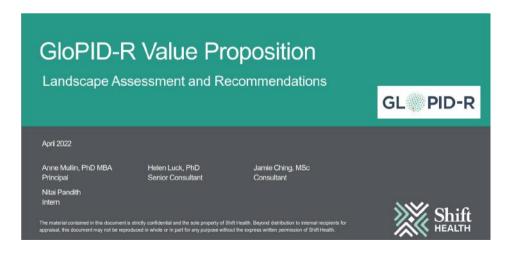
Translation into specific projects

- Regional hub development
- Developing a platform for Coordinated Funding
- Pandemic PACT
- GloPID-R Funders Clinical Trial Coordination Roadmap
- Launching a One Health Working Group with STAR-IDAZ
- Plus: Strenghtening GloPID-R's governance



Capacity strengthening

- Expanding membership of LMICs and provide stronger regional ownership (priority setting etc.)
- Coordinated funding will focus on capacity strengthing: addressing specific research gaps relevant to LMICs
- Evidence on funding pattern key to identify research gaps, in particular across LMICs
- Current focus on clinical trials: Living funders roadmap for clinical trials coordination to be published early 2023 includes key considerations for capacity strengthening for clinical trials.
- Governance: Stronger integration of issues concerning the research priorities of LMICs





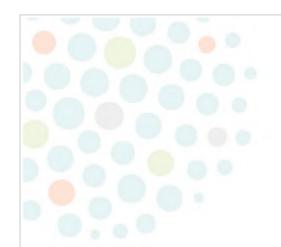
Looking to the future

- Three more years of funding secured from the European Commission
- GloPID-R 3.0: Moving from Fondation Mérieux to a new host organisation: Charité Universitätsmedizin
- Increasingly moving from a convening to an enabling role
- Focus on developing tools and instruments to assist membership achieving improved funding efficiency
- Plans to develop a longer-term strategy from 2023 onwards
- Development of a more sustainable business model:
 - Fundraising strategy
 - Secondment model
 - Fee structure











www.glopid-r.org



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CEPI

Global Health Research Capacity Strengthening

Third Meeting of the ESSENCE Mechanism for Review of Investments in Research Capacity Strengthening in LMICs

18 Nov 2022

Paul Oloo- CEPI Clinical Development Lead

CEPI

2.0

Vision statement

A world in which epidemics and pandemics are no longer a threat to humanity

Mission statement

Accelerate the development of vaccines and other biologic countermeasures against epidemic and pandemic threats so they can be accessible to all people in need



Prepare

for known epidemic and pandemic threats



Transform

the response to the next novel threat



Connect

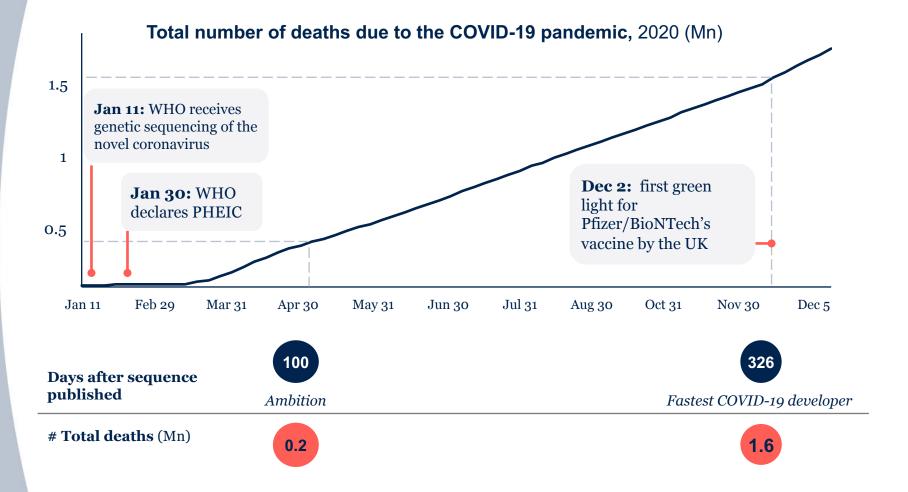
to enhance and expand global collaboration

100 day aspiration

To develop a safe and effective vaccine in 100 days from the moment that a pathogen is sequenced and/or the need for a vaccine is recognised to initial availability for use.

During COVID-19, it took 326 days for development to EUA by stringent regulatory authority

Further reducing development time to 100 days could significantly reduce the humanitarian and economic burden of future epidemics and improve the world's ability to prevent an epidemic becoming a pandemic altogether.



CEPI Portfolio Awardees

- CEPI's portfolio comprises a global base spanning multiple continents
- Vaccine developer partners in North America and Europe
- Increasing number of planned and confirmed clinical studies in sites in affected countries across Africa, Asia and Latin America
- Centralized Laboratory initiative to harmonize assays and standards to include laboratories in Africa and Asia

ENABLE study capacity strengthening

• To inform future late-stage efficacy trials, CEPI is funding multisite prospective cohort studies - the *ENABLE* Lassa Research Programme in West Africa - in Benin, Guinea, Liberia, Nigeria, and Sierra Leone

Strengthening existing capacity

- Support readiness for future vaccine clinical trials as well as clinical research and public health generally
- Capacity strengthening activities include infrastructure improvement, staff development, clinical research trainings
- Promote and facilitate building a community of practice Inviting site investigators to collaborative discussions, to exchange knowledge, practices and research tools

Leadership and ownership by researchers in affected countries

- Each country study is led by a local principal investigator (PI), supported by international partners and experts playing advisory/support roles
- Country PIs are members of the Programme Steering Committee, responsible for successful implementation of the programme

Engagement from community to national level

- Implementation partners to be used in this study were required to provide letters of support from appropriate local/regional/national authorities as a prerequisite for selection
- Community engagement is a priority for the programme and all sites have local community engagement expertise.

Evidence generation to support CEPI's 100 days mission

Research preparedness

... tailored to CEPI's portfolio and regional needs

2 strategies

Workstream 1

Support advanced clinical development of portfolio vaccines

e.g. Lassa fever

Operational site readiness for Ph 3 Lassa fever vaccine trials

Workstream 2



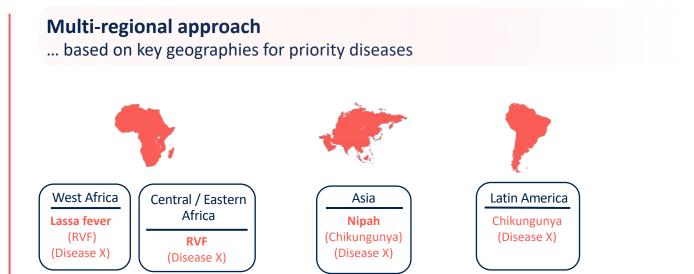
Support multi-regional concepts and ecosystems to tackle the unknown

e.g. Disease X

Long-term research preparedness to ensure site readiness for future outbreaks

Principles...

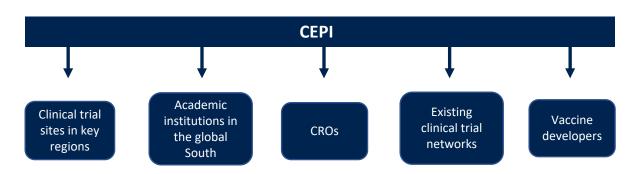
- ... existing trial capacity must be leveraged, duplication of existing initiatives must be avoided
- ... scientific excellence and local ownership will be key
- ... sustainability of investments will be of utmost importance
- ... all programs will be aligned with national health priorities of governments in target countries



Multilateral approach

PILOT

... choosing the best partners to achieve our goals



Short term objectives

Research Preparedness Objectives

→ prepare for Ph3 clinical trials

Advanced-stage clinical development

Operational readiness for Ph III trials

- Governance/Oversight infrastructure
- Clear R&Rs and Accountabilities
- Tiered a/c Regional/Local, etc.
- Regulatory Pathway Mapping/Advance Prep
- Connect to NRAs (Reg) to identify processes/pathways
- Develop clinical trial protocols, etc.
- Imp Partner/CRO leverage scope, expertise and technology
- CRO capacity-building
- Introduce novel clinical trial tools
- Site/Study Stall readilless to colluder der thats
- Physical resources and Infrastructure but.....
- Training, skills, capacity and quality

ong term objectives

→ prepare for future outbreaks

Research preparedness

Research preparedness for future outbreaks

- identify experienced, well-connected hubs to enter a long-term relationship with
- Establish/support local governance to work on joint objectives
- Develop preparedness framework (mock-up trial protocols, regulatory agreements) to be able to quickly adapt them in case of emergencies
- Facilitate sustainability: implement peacetime research, support career development of young scientists at the selected hubse
- Connect hubs on a regional and international basis

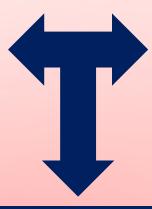
The challenge

Pilot region: West Africa

Workstream 1

Phase III Lassa fever vaccine efficacy trials

- Short-term
- To identify trial sites fit for purpose (epidemiology, capacity, incl. GCP capabilities) in West Africa
- To identify best suitable partner to take on operational activities and capacity building
- To apply a muli-lateral, holistic approach
- To fit our concept into the existing ecosystem (not duplicating existing initiatives, but leveraging on existing networks)



Workstream 2

Research preparedness (Site readiness to support 100 days mission)

- Long-term
- Entails portfolio diseases AND any other future outbreak (see MPX), where Lassa fever may not serve as a good case study
- To identify trial sites in West Africa best positioned for longstanding, self-sustained partnership
- To develop a holistic concept to be able to conduct clinical trials at those sites on short notice (from mockup trial protocols to pre-agreements for sample shipment, etc.)
- To identify strategies to enable hubs to self-sustain over time
- "Riskier investment" will only pay off in case of new outbreaks

Ecosystem

- Existing trial capacity must be leveraged
- Exploring links to other stakeholders (e.g. other funders, facilitators, etc.)

 Engagement with governments and alignment with national health programs and priorities

CEPI

- www.cepi.net
- @CEPIvaccines
- m @cepivaccines

Research Capacity Strengthening for Pandemic Preparedness in LMICs: UKCDR Reflections

Third Meeting of the ESSENCE Mechanism for Funder Coordination

18th November 2022

Adrian Bucher

Senior Data Analyst

Daniela Toale

COVID CIRCLE Programme Manager





UKCDR: Who we are

To amplify the value and impact of research for global development by promoting **coherence**, **collaboration** and **joint action** among UK research funders

Core members





Mapping, analysis and foresight



Convening for collaboration and joint action



Sharing information, learning and best practice



A collective voice to shape policy



COVID CIRCLE – COVID-19 Research Coordination & Learning

- Partnership between UKCDR & GloPID-R
- Set up early on in the COVID-19 pandemic

To coordinate funding effort, connect networks of researchers, and collate learnings to inform future epidemic and pandemic responses with a focus on lower-resource settings.



Programme will be ending in the New Year

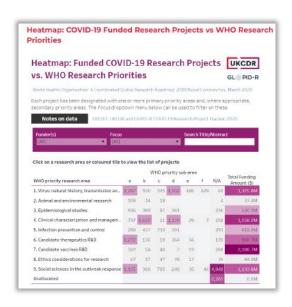




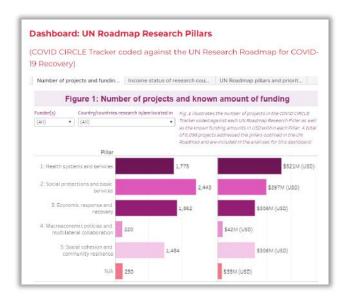
COVID-19 Research Project Tracker

One of the most comprehensive databases, covering a wide breadth of research disciplines

- Projects mapped against WHO and UN research frameworks
- Data from 360+ funders from 60+ countries around the world
- Research taking place across 157 countries
- Almost 20,000 projects worth (at least) \$7.2 bn*
 - Includes 5,586 projects worth at least \$2.2 bn* by ESSENCE members/observers (17 on tracker)









^{*} Financial information available for 61.2% of projects in the tracker

COVID-19 Research Project Tracker





Ad Hoc Analyses

- G20 Health Working Group
- GCRF Board
- ARMA Conference

Regular Analyses

- Living Mapping Review (updated quarterly)
- Tracker Highlights (x4)



COVID-19 Research Project Tracker





Ad Hoc Analyses

- G20 Health Working Group
- GCRF Board
- ARMA Conference

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Research Capacity Strengthening Projects

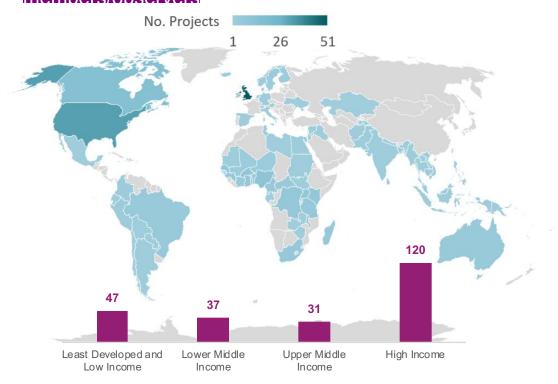
Funders with most RCS projects on tracker



Funders with most RCS LMIC projects on tracker

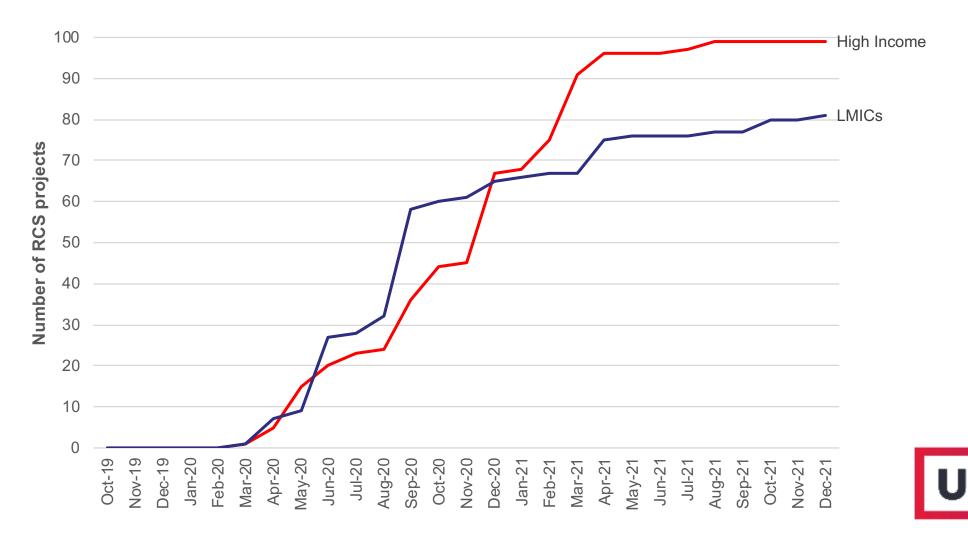


- 200 projects worth at least \$214m* from 59 funders
 - Includes 86 projects worth at least \$81.1m* by ESSENCE members/observers



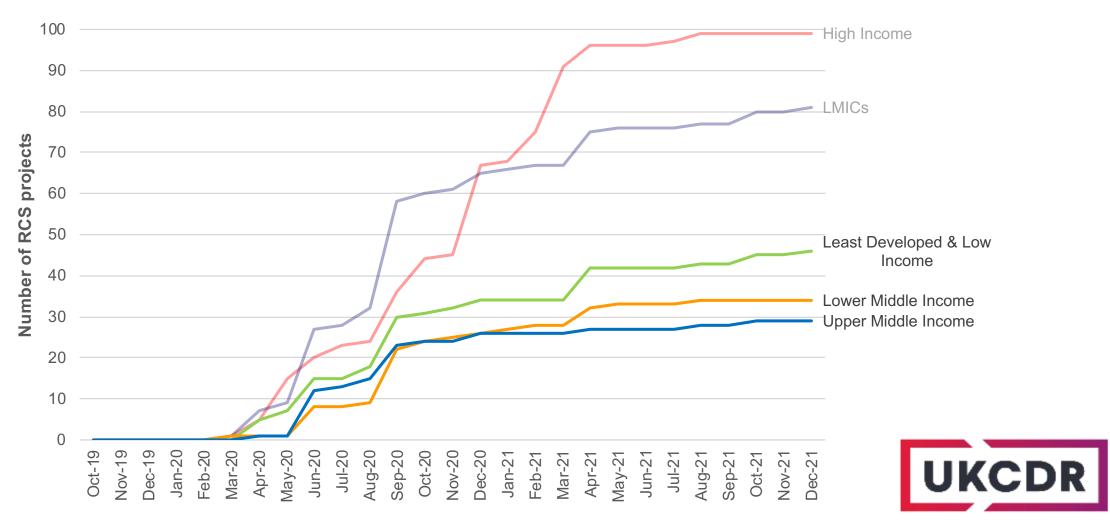
^{*} Financial information available for 64.0% of research capacity strengthening projects in the tracker. Data on individual countries available for 98.5% of RCS projects on tracker.

Research Capacity Strengthening Projects



^{*} Date information available for 74.0% of research capacity strengthening projects in the tracker. Data on individual countries available for 98.5% of RCS projects on tracker.

Research Capacity Strengthening Projects



^{*} Date information available for 74.0% of research capacity strengthening projects in the tracker . Data on individual countries available for 98.5% of RCS projects on tracker.

Research Capacity Strengthening Projects

Area of Capacity Strengthening	Number of Projects
Laboratory capacity in LMICs	52
Research and Skill Development Training	41
Digital transformation and learning	19
Data Management	18
Clinical Management	17
Pandemic Preparedness	14
Surveillance	13
Infection Prevention	13
Policy Response	10



Research Capacity Strengthening Projects

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Surveillance	13
Infection Prevention	13
Policy Response	10
Pandemic Preparedness Surveillance Infection Prevention	13 13





ADVANCED LABORATORY PROCEDURES

20 projects





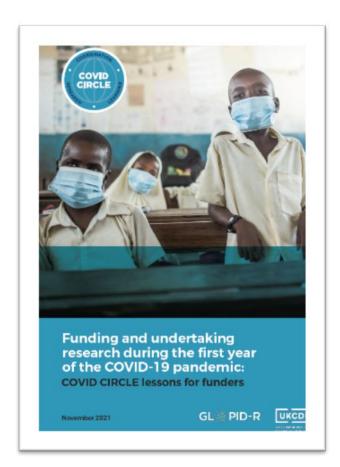
1 project





COVID CIRCLE Lessons for Funders Report: RCS

- Demand for researchers with particular expertise in LMICs outstripped supply, further inhibiting rapid research
- Challenge to obtain new funding and reliant on funding already in place to initiate new COVID-19 research
- Rapidly mobilised research response where established, trusted and effective working relationships were already in place, along with existing staff capacity.
- Existing successful networks need sustainable funding between epidemics to build capacity & partnerships
- Preparedness planning include provision of continency funding, so resourcing decisions can be made at research group level, in event of outbreak





UKCDR RCS Report

- Data from a cross-UK funder review of RCS programmes in LMICs from 2016-2021
- From 2016-2021: UK funders invested £873 million in standalone RCS programmes and £1.2 billion in programmes with a significant embedded component
- Not discipline specific, team moving beyond health when collecting data as often RCS evidence is health-centric
- Enablers of effective RCS:
 - 1. LMIC ownership of design and delivery
 - 2. Long-term approach to support sustainability
 - 3. Coordination across funders and programmes
 - 4. Partnerships & collaboration to design and deliver RCS
 - 5. Understanding impact of RCS initiatives





Resources

Research Capacity Strengthening:

Resource Hub:

https://www.ukcdr.org.uk/guidance/research-capacity-strengthening-resources-tools-and-guides/

Good Practice Document:

https://www.ukcdr.org.uk/resource/researchcapacity-strengthening-lessons-from-uk-fundedinitiatives-in-low-and-middle-income-countries/

COVID CIRCLE:

Resource hub:

https://covidcircle.org/

https://www.ukcdr.org.uk/covid-circle/

COVID CIRCLE Lessons for Funders Report (to be updated soon):

https://www.ukcdr.org.uk/resource/funding-and-undertaking-research-during-the-first-year-of-the-covid-19-pandemic/



RESEARCH CAPACITY
STRENGTHENING: LESSONS
FROM UK-FUNDED INITIATIVES IN
LOW- AND MIDDLE-INCOME
COUNTRIES

2022



Funding and undertaking research during the first year of the COVID-19 pandemic:

November 2021

GL PID-R UKCOR



Research Capacity Strengthening: Resources, Tools and Guides

Explore this collection of tools, guides, reports and other resources on research capacity strengthening (RCS) for development.

Relevant for funders, researchers, implementers, and other stakeholders engaged in RCS.

REPOR

Research Capacity Strengthening: lessons from UKfunded initiatives in low- and middleincome countries

This learning report is part of a UKCDR-led cross-funder review of UK-funded research capacity strengthening (RCS) programmes in Low- and Middle-income Countries (LMICs). This report builds upon our 2021 briefing paper by D pepo

UK ODA and Wellcome-funded research capacity strengthening in LMICs: Briefing paper

This briefing paper summarises UK-funded contributions to the research capacity strengthening landscape in low- and middle-income countries between 2016 and 2021, along with initial policy recommendations to UK RESOURCE

ESSENCE Seven Principles for Strengthening Research Capacity in Low- and Middle-Income Countries (2014)

This good practice document gives guidance on how capacity strengthening initiatives can generate the maximum possible benefit.

COVID CIRCLE





NEWS ARTICLE

Living Mapping Review: Sixth iteration covers new COVID-19 variants and continues to help funders invest in priority research areas

As the COVID-19 global research funding response has hit a plateau, the Living Mapping Review (LMR)



ARTICLE

Living mapping review for COVID-19 funded research projects

To make best use of the expansive data in the COVID-19 Research Project Tracker, UKCDR & GloPID-R have produced a Living Mapping Review of COVID-19 funded research projects, which analyses globally funded





Thanks for Listening!

Daniela Toale - d.toale@ukcdr.org.uk

Adrian Bucher – <u>a.bucher@ukcdr.org.uk</u>



ukcdr.org.uk

Fogarty International Center Building Emerging Viral Research Capacity in West African Countries Affected by 2014 Ebola Epidemic

Barbara Sina Ph.D. (sinab@mail.nih.gov)
Program Officer
Division of Training and Research





Challenges of NIH Grants System

- Biomedical research funder, not international development agency
 - FIC building research capacity via LMIC-US collaborative research & training grants
- Very competitive application system funding determined by overall scientific merit:
 - Scientific significance, investigators, innovation, approach & environment
 - FIC applications- additional review criteria: Impact on building research capacity
- Peer Reviewers
 - Generally, required to have NIH grant experience
 - FIC applications- US researchers with LMIC research experience

Challenges of NIH Grants System for Building Research Capacity

- In Liberia, Guinea & Sierra Leone:
 - Few researchers
 - Few research facilities
 - Few graduate research degree programs
 - Little research support structure
- In the US:
 - Few US researchers worked in these countries
 - Several US academic & NGO infectious disease experts assisted with Ebola epidemic
 - Few potential applicants familiar with FIC

Use of Available Exceptional Mechanisms

- Specifically targeted funding opportunity
 - Planning grants for research training program development
 - Limit collaboration to Liberia, Guinea & Sierra Leone
 - Offered RFA twice to allow revised applications
- Used FIC specific secondary review criteria (consideration of programmatic & geographic distribution) for funding decision for non-funding range scoring research training grant applications
- Conversion to cooperative agreements
 - Allows direct FIC program staff assistance to grantees

Build Capacity on What Exists

- Liberia
 - NIAID-equipped & trained JFK Hospital for Ebola vaccine and survivor studies
 - USAID- project to rebuild medical school faculty
- Sierra Leone
 - NIAID supported Lassa Fever Research Lab at Kenema Government Hospital
- Guinea
 - Collaboration with NIAID malaria, TB, HIV research center at U. Bamako, Mali
 - Participates in FIC Mali research training program including MPH program

Research Capacity is More Than Researchers

- Research training + simultaneously improve:
 - Research environment- labs, equipment, electricity, internet access, etc.
 - Research support systems- administrative & financial management
 - Ethical review of research
 - Full scientific/medical training & career pipeline
 - Research Culture- seminars, journal clubs, conferences, sample sharing, joint research proposals

Work with Organizations that Can Do Things You Can't Do

- West African Region (West African College of Physicians, U. Ghana, U. Bamako, FHI)
 - Medical School faculty training & credentialing
 - Higher Education Teacher training
 - REC training
 - Research management training & SOPs
- US Government (NIAID/NIH, USAID, NAS, CDC, DOD)
 - Medical school curriculum development & revision
 - Medical specialty residency program revision + clinical research
 - Research Infrastructure & research training project collaboration
 - Local coordination-training courses, research seminars/webinars

Gather Coalition of the Willing for the Long Term

Who?

- Critical LMIC Leadership with vision for research capacity to be built & their essential team members
- Research & research training collaborators
- Partner org. representatives & essential staff in LMIC
- Next generation- stepping up
- What do you do together?
 - Regular, frequent sharing meetings- updates, track progress, solve problems, generate ideas
 - Keep reaching out to include those who can assist
 - Build trust & connections
 - Communicate & coordinate everything
 - Annual scientific & research training meetings

Questions?

Thank you to all who have been on this journey with me since 2014.



ESSENCE WORKING GROUP

November 18, 2022

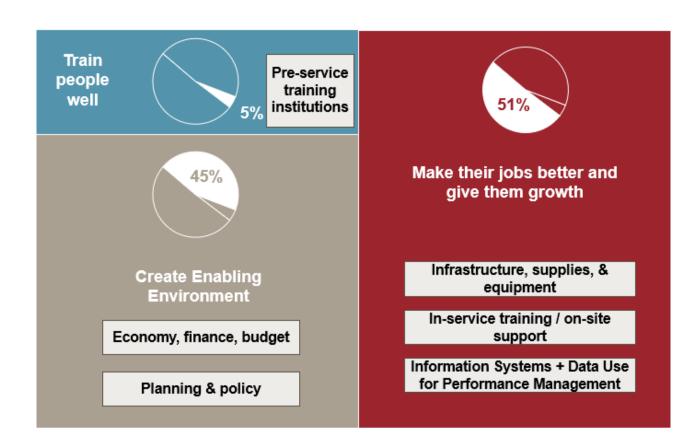
Thy Pham
Senior Program Officer, Strategy, Planning and Management

CAPACITY BUILDING BY MANY DIFFERENT NAMES

Foundation-wide review in 2017-18

More than \$1B in investments since 2004 towards -

- Capacity Strengthening
- Health Systems Strengthening
- Human Resources for Health



CAPACITY STRENGTHENING EXAMPLE INVESTMENTS

In Support of Product Development and Clinical Site Networks -

(1) Training and Fellowships

(2) Address barriers to access











Fellowship Schemes

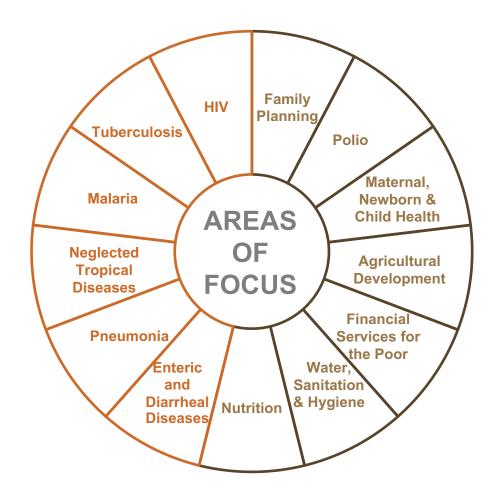
Fit-for-Purpose **Training Programs**

Self-Paced Training, Shared Resources

Research Center Capabilities and **Study Feasibility**

STRATEGY / APPROACH

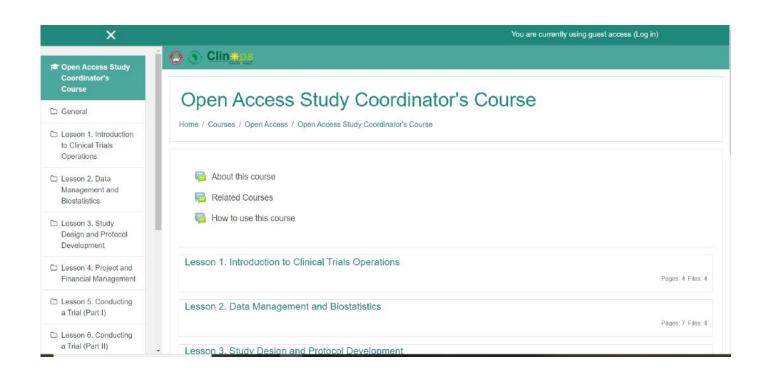
- Engage across partners
 - Global Health Clinical Consortium (GHCC)
 - Global Health Regulatory Team (GHRT)
- Capacity in support of programs, projects
- Coordination to increase efficiency
- Geography guided by burden of disease: incidence and prevalence, both now and forecasted
- Proximal leadership
- Leverage/build from existing
- Increase access to resources, data, insights



CDT-AFRICA

- Leadership from In-Region Partner (supported by eight Product Development Partners, WHO TDR Clinical Research and Development Fellows, Faculty for Capacity Development)
- 10-week Intensive, with Measurement & Evaluation component
- Institutional Support (manager endorsement)
- Research readiness for research coordinators and teams with ongoing or planned trials
- Best Practices/Lessons Learned
 - Individuals work within teams (i.e. helping one helps the other)
 - Application of training is essential
 - Prioritize, focus, measure, report/disseminate

HTTPS://LMS.CDT-AFRICA.ORG/COURSE



CLINICAL TRIALS COMMUNITY

- Burden data overlayed with research center location
- Capabilities through robust feasibility data
- Displays current trials through ICTRP and clinicaltrials.gov registries
- Increase visibility for less represented sites
- Could be a mechanism for funders to coordinate investments
- Best Practices/Lessons Learned
 - Establish and preserve trust
 - Maintain flexibility
 - Explore opportunities

WEBSITE IS CTC.AFRICA





THANK YOU

ADDITIONAL

THE SCOPE OF OUR WORK

We work with partner organizations around the world to reduce inequity

Program Strategies

41



Total Charitable Support

\$6.7в



Countries

144



Employees

1,736



Grantees

1,381



No. of Grants

2,051



U.S. States

50



Alumni

2,106



For the Year ended December 31, 2021.

GLOBAL HEALTH DIVISION | PURPOSE

- The foundation's Global Health Division aims to harness advances in science and technology to save lives in developing countries.
- We work with partners to deliver proven tools—including vaccines, drugs, and diagnostics—as well as discover pathbreaking new solutions that are affordable and reliable.
- > Equally important is innovation in how we bring health interventions to those who need them most.
- We invest heavily in vaccines to prevent infectious diseases and support the development of integrated health solutions for family planning, nutrition, and maternal and child health.









GLOBAL HEALTH DIVISION: PROGRAMS

ENTERIC & DIARRHEAL DISEASES

HIV & TUBERCULOSIS

MALARIA

TROPICAL PNEUMONIA

MNCH DISCOVERY & TOOLS

GOAL: End diarrheal disease deaths in children under 5 by 2030 and eliminate typhoid as a public health problem by 2035.



GOALS: Accelerate the decline in HIV infection worldwide and save lives by ensuring expanded and simplified HIV treatment and improved and effective use of interventions to prevent new infections. Acceler the global decline tuberculosis incidence.

GOAL: A world free of malaria



GOAL: Reduce the burden of neglected tropical diseases on the world's poorest people through targeted and effective control, elimination, and eradication efforts.

NEGLECTED

DISEASES

GOAL: Significantly reduce childhood deaths from pneumonia. GOAL: Ensure that women and newborns survive and remain healthy before, during, and after childbirth by identifying and addressing underlying biological vulnerabilities.



GLOBAL HEALTH DIVISION: FUNCTIONS

DISCOVERY & TRANSLATIONAL SCIENCE

IDM

INNOVATIVE TECHNOLOGY SOLUTIONS

INTEGRATED DEVELOPMENT

VACCINE DEVELOPMENT & SURVEILLANCE

INNOVATION INTRODUCTION

GOAL: To catalyze innovation for the discovery and translation of transformative solutions to global health and development inequity.

GOAL: To support global efforts to eradicate infectious diseases and achieve permanent improvements in health by developing, using, and sharing computational modeling tools and promoting quantitative decision-making

GOAL: Identify emerging technologies that have potentially transformative applications for global health.



GOAL: Strengthen regulatory systems and expedite the development, regulatory approval, and manufacturing of innovative new drugs, vaccines, diagnostics, and devices that advance global health.



GOAL: Advance public goods for global health through technological innovation. We do this by accelerating the development and commercialization of novel vaccines and the sustainable manufacture of existing vaccines, defining the global disease burden through better primary data and world-class modeling, and reducing the threat of epidemics through the development and use of innovative tools.

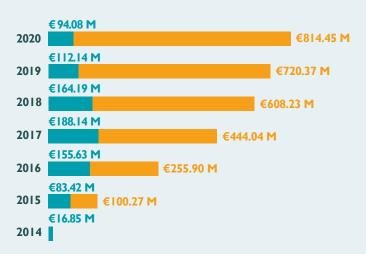
GOAL: Drive product launch, commercialization plans and activities, aimed at bringing new interventions and products in support of our global health program teams.





Summary of achievements 2014–2021

Investments in calls for proposals



- Investment to call for proposals by year
- Cumulative investment to call for proposals by year

(Indicative amounts based on signed grant agreements and proposals approved for funding)

Participation in EDCTP activities

63 countries participate in **EDCTP-funded** activities:

19 European countries and 44 African countries



EDCTP investments in R&D



€814,45 M

for 435 projects awarded to date.



Clinical studies €684.50 M

to support 140 collaborative research projects with large-scale clinical trials and other clinical research activities conducted by European-African consortia.



Clinical research capacity

€85,47 M

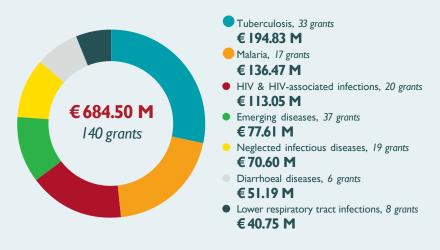
to support **90 projects** that strengthen the enabling environment for conducting clinical trials and clinical research.



to support 205 fellowships projects that focus on the career development of African scientists.

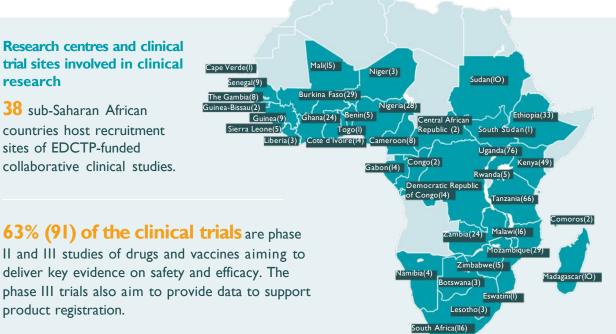
Medical interventions

Collaborative research projects by disease



Research centres and clinical trial sites involved in clinical research

38 sub-Saharan African countries host recruitment. sites of EDCTP-funded collaborative clinical studies.



Collaborative research projects by intervention



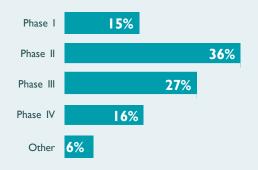
332 is the total number of clinical studies awarded by EDCTP since 2014. Of these, 64% (213) are interventional (clinical trials) studies of drugs and vaccines, diagnostic testing and evaluation studies, and 36% (119) are non-interventional studies (observational studies of drugs and vaccines, diagnostics and prognostics, and other studies).

Clinical trials of drugs and vaccines by phase

product registration.

16% (23) of the trials involve

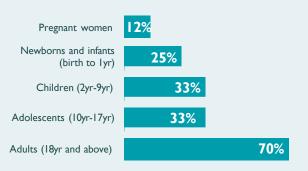
post-license (phase IV) studies aiming to influence health policies and practice, and optimise the delivery of medical interventions for the widerange of sub-Saharan African health systems and diverse populations.



Population in clinical studies

12% (37) of all studies

target pregnant women and their children. Other key populations are also involved in the studies, such as newborns and infants (77; 25%), children (103; 33%) and adolescents (102; 33%).





Epidemic preparedness and response

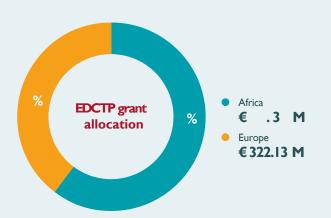
€13.11 M invested to support 27 projects in sub-Saharan Africa aiming to manage and/ or prevent the spread of the current COVID-19 outbreak.

COVID-19 research response is also carried out by the two consortia, PANDORA-ID-NET and ALERRT, funded by EDCTP through earlier investments of €21 M in epidemic preparedness research.

A total of 105 institutions from 12 countries in Europe and 26 countries in sub-Saharan Africa participate in EDCTP's COVID-19 projects. Fourteen projects are coordinated by entities based in sub-Saharan Africa.

Collaboration and capacity development

EDCTP projects involve 308 sub-Saharan African institutions. These account for 60% of total EDCTP funding.



Cape Verde Mali Niger Chad Sudan Chad Sudan Chad Sudan Chad Sudan Chad Sudan Central AfricanRepublic Compo Rwanda Renya São Tomé and Principe Cameroon Camero

clinical research.

18 sub-Saharan African

countries are members of the EDCTP Association. In the EDCTP 2014-2020 work plans, 16 members have submitted 120 Participating States' Initiated Activities (PSIAs) of total committed value of €67 M.



205 fellows from 24 African countries are supported with the potential to become research leaders. Furthermore, EDCTP has supported **580 trainees** on EDCTP projects from 33 sub-Saharan African countries (including 217 Master's and 229 PhD students).



205 fellows

Industry Fellowships, 24 fellows€ 1.99 M

EDCTP-AREF Preparatory Fellowships, II fellows€ 0.73 M



Trainees on **EDCTP** grants by type

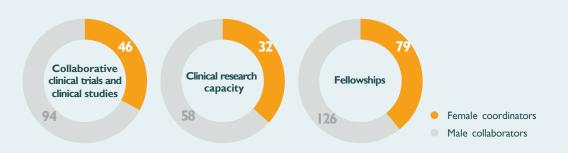


Of the **academic trainings** (Bachelor's, Master's and PhD) of African researchers, **78%** are pursued at academic institutions in Africa.

150 epidemiologists and **biostatisticians** across Africa funded through an EDCTP-Africa CDC joint initiative.

Gender equality in science

37% of the projects in the EDCTP2 portfolio are led by a female:





46% of the 580 African academic trainees are female.

39% of the members of expert review committees for EDCTP calls evaluations are female.

European coordination



14 European countries are members of the EDCTP Association. In the EDCTP 2014-2020 work plans, these members have submitted 301 Participating States' Initiated Activities (PSIAs) of total committed value of € **1.157 billion**. PSIAs are research activities within the scope of the EDCTP programme that are funded and implemented by one or more member countries.

€186.77 M is the total cash received from the European member countries to the EDCTP programme.

European member countries cash contribution to the **EDCTP** programme



Partnerships



15% (338 out of 2231) of all participations in EDCTP-funded projects involve private-sector institutions.

They include private not-for-profit entities (245 or 11%) such as foundations and product development partnerships, private-for-profit institutions (29 or 1%) such as pharmaceutical companies and small-and-medium enterprises (64 or 3%).

Private sector institutions were awarded €176.30 M by EDCTP in 2021.

€26.84 M has been leveraged from partners for the launch of joint or coordinated calls for proposals.

Partner contributions to joint initiatives launched with EDCTP



€373.95 M has been leveraged as co-funding to EDCTP projects through the EDCTP strategic calls for proposals (€271.58 M in cash and €102.37 M in-kind).

Co-funding in **EDCTP** projects (top 5 funders)













German Funding for Global Health Research Capacity Strengthening in LMICs

Andrea Spelberg

Head of Division "Global and Public Health Research" at the German Federal Ministry of Education and Research (BMBF)





Research Networks for Health Innovations in Sub-Saharan-Africa (RHISSA)

- 1st phase (2016-2022): 5 African-German research networks financed with 55,8 Mio. €
- Continuous support by launching the 2nd funding phase (2023-2028) with 50 Mio. €
 - **Excellent Research** on infectious and non-infectious disease according to high local need
 - ❖ Africa Leadership and Capacity Building for young researchers, administrative staff and leaders
 - ❖ Interdisciplinary Networking and multilateral partnerships
 - * Research Uptake: policy engagement, patient advocacy, effective dissemination





KEY

PILLARS

&

SUCCESS

FACTORS

Contribution to improved health care in SSA & achievement of the UN SDGs





European and Developing Countries Clinical Trials Partnership (EDCTP)

Aim: Collaborative clinical research, capacity building, individual fellowships since 2003

currently running:

- EDCTP2 (2014-2024):
 - Topics include: HIV, TB, Malaria, NTDs, diarrheal diseases, lower respiratory tract infections, (re)emerging infectious diseases
- Global Health EDCTP3 JU (2021-2031):
 - **❖** Germany contributes 125 Mio € (40 Mio. € cash, ~ 85 Mio. € in-kind contribution)
 - ❖ Topics include, in addition to EDCTP2: climate crisis-related infectious diseases, AMR



Product Development Partnerships (PDPs)

 Aim: R&D on products for the prevention, diagnosis and treatment of neglected and povertyrelated diseases

currently running:

- 2nd funding phase (2016-2023), ~ 88 Mio. €
 - DNDi, FIND, IPM, MMV, TB Alliance, PATH Malaria
 - Further capacity building: support of PANTHER (PANdemic preparedness plaTform (for) Health and Emerging infections' Response) (~ 2.5 Mio. €) and additional 15 Mio. € for clinical COVID-19 research in Africa (ANTICOV)
- 3rd funding phase (2023-2028), ~ 50 Mio. €
 - Call was published in April, selection process is currently running