# The Global Health Network

**Mobilising Knowledge / Delivering research skills / Strengthening Research Ecosystem**

THE GLOBAL HEALTH NETWORK
Enabling research by sharing knowledge

## Supporting Health Research in Every Healthcare Setting

The world needs more and better health research

this needs stronger partnerships

A vast community of over 1 million
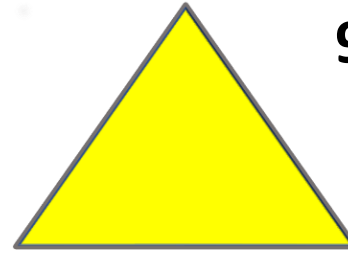Health workers Health Researchers
And Policy Makers

Major advances in data science & methodology need to be equitably available

Working to support research equity by providing access to knowledge, tools, training and career development opportunities by sharing know-how … to all!

A WHO collaborating Centre for research information sharing and capacity development

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**Changing the paradigm & build local research ecosystems across health care systems, globally.**

**90% of health research benefits less than 10% of the global population, unchanged for decades**
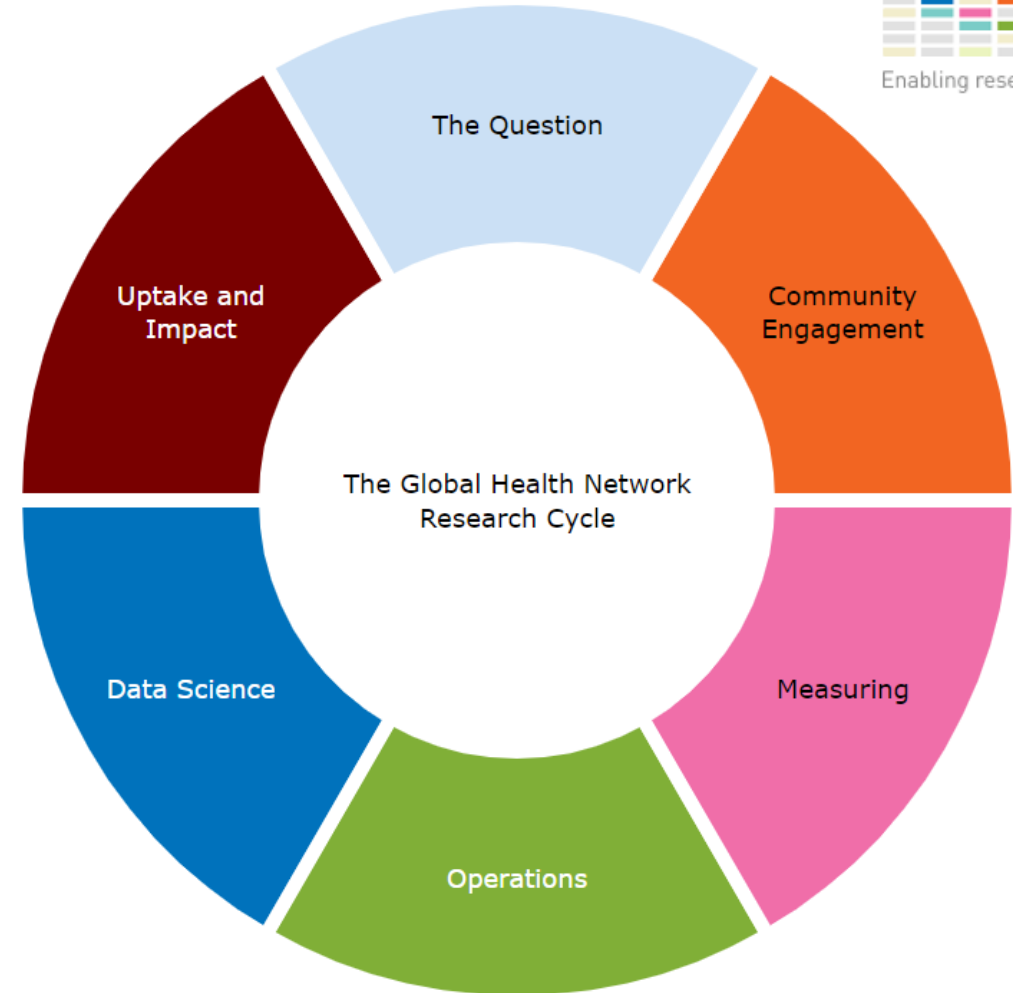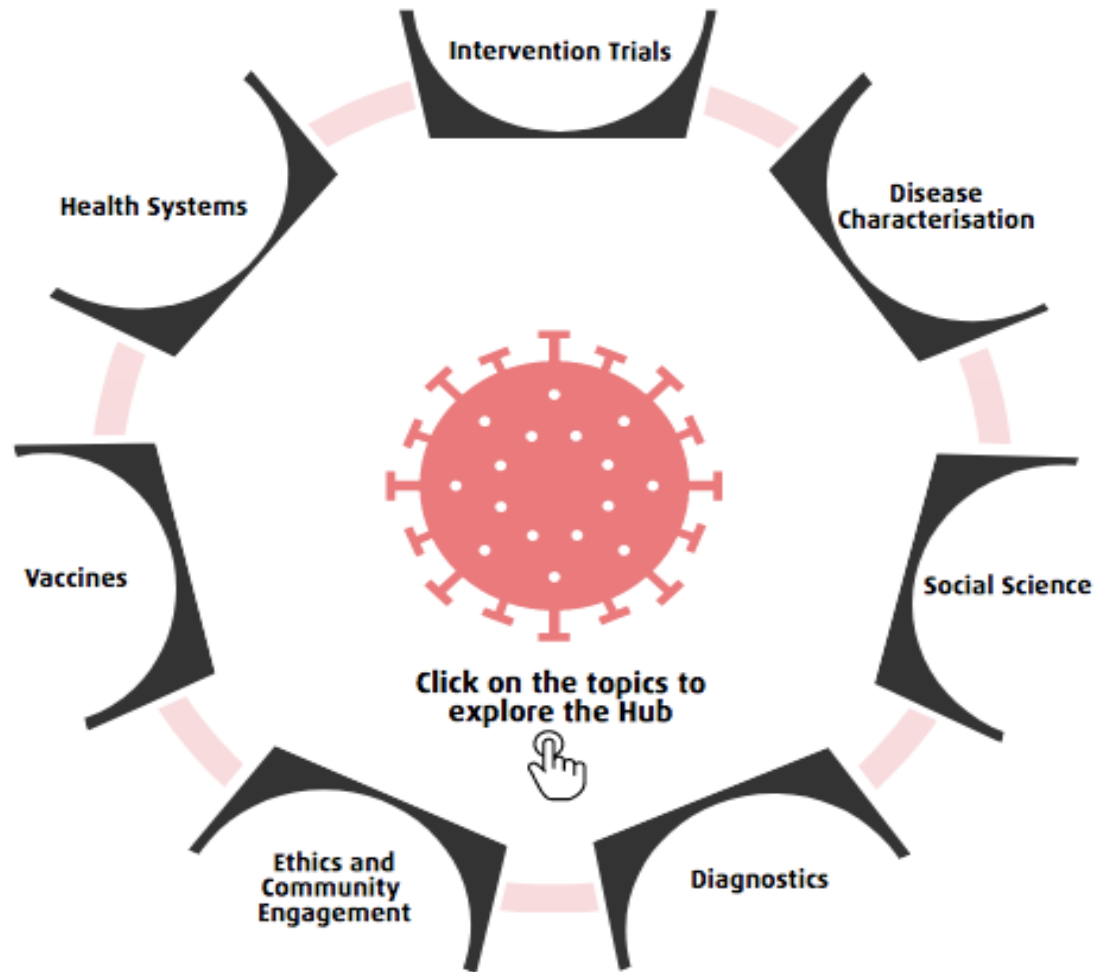
*Strengthening research Systems in health systems*

*Tackle priority health threats generate evidence -immediately implementable solutions*

**Develops careers - disrupts outdated hierarchies – creates income**
**Highly cost-effective new interventions – save lives**

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Tackling any disease requires the full ecosystem of research studies and all studies require the same essential steps that don't vary between diseases or settings

A thriving community of practice for health research. 1 million actively contributing members, many millions connecting and finding training, tools & each other.
Enabling equity in where research happens, who leads and who benefits

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# The Global Health Network Africa: Strengthening Capabilities Across Africa
## *Working through 30 different partners to develop excellence in health research*



**Regional Partners**

- AFRICA CDC — Centres for Disease Control and Prevention
- amref health africa
- **CANTAM** — Central Africa Clinical Research Network
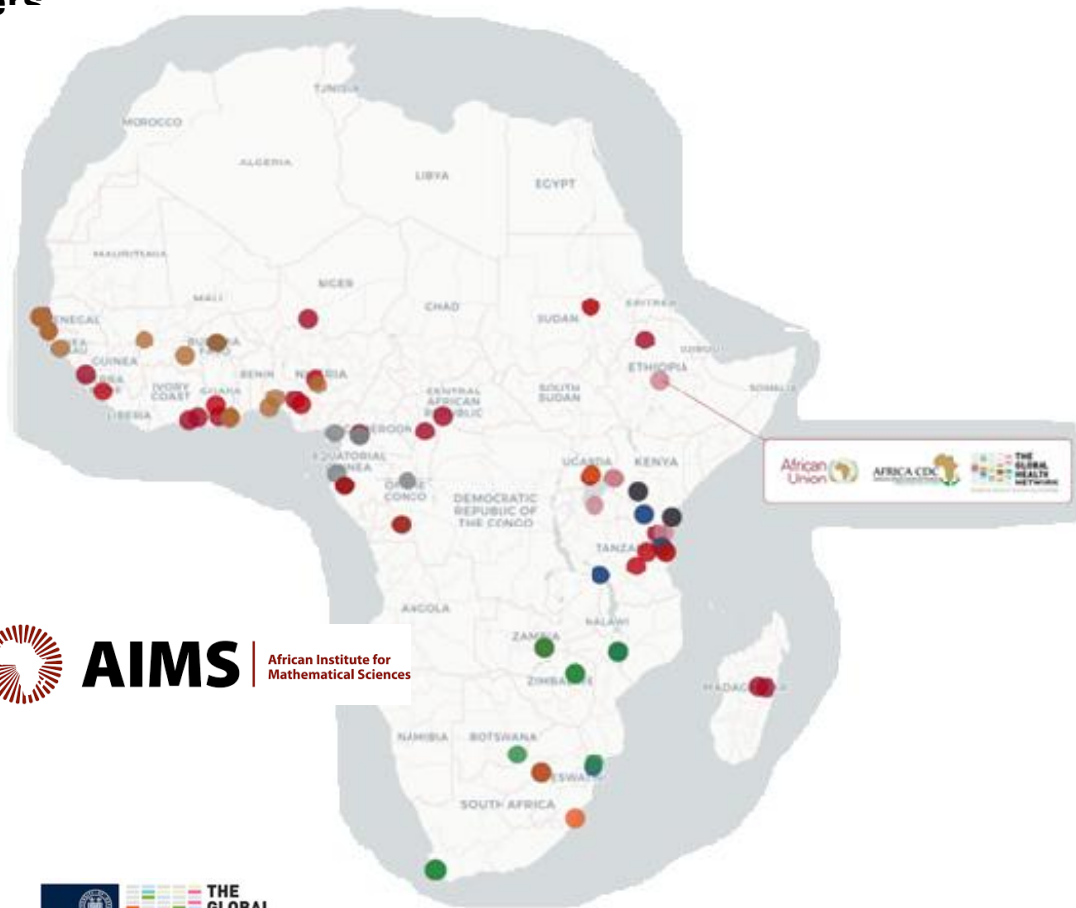- **EACCR** — Eastern Africa Consortium for Clinical Research
- **TESA** — Trials of Excellence in Southern Africa
- **WANETAM** — West African Network for TB, AIDS and Malaria
- AIMS — African Institute for Mathematical Sciences
- UNIVERSITY OF OXFORD — THE GLOBAL HEALTH NETWORK — Enabling research by sharing knowledge
- EDCTP
- IDRC·CRDI Canada
- Burdett Trust for Nursing
- Wellcome

**Country Centres**

| Country | Institution |
|---|---|
| **Ghana** | Kumasi Center for Collaborative Research in Tropical Medicine (KCCR) |
| **Guinea** | Centre De Recherche Et D'analyse Biomedicale (CRAM) |
| **Malawi** | Anglican Council Health of Malawi; Kamuzu University of Health Sciences (KUHeS) |
| **Zambia** | CIDRZ — for a healthy Zambia |
| **Uganda** | Uganda Virus Research Institute |
| **Cameroon** | University of Yaounde I |
| **Rwanda** | Rwanda Biomedical Centre (rbc) |
| **Nigeria** | Obafemi Awolowo University |

**Kenya**
- Kemri-Wellcome Trust
- Amref International University

**Tanzania**
- Ifakara Health Institute
- National Institute for Medical Research

**Liberia**
- PREVAIL

**Burkina Faso**
- Institut de Recherche en Sciences de la Santé

**DRC**
- University of Kinshasa
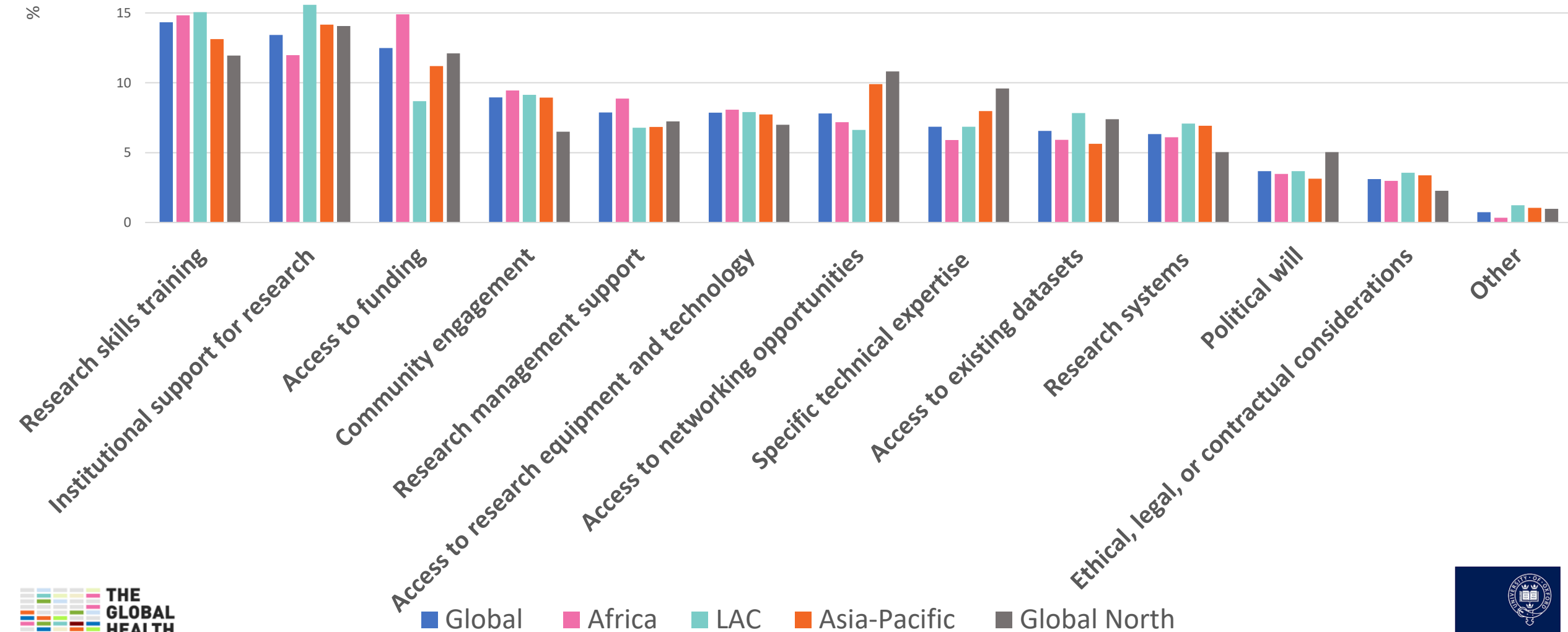
**Namibia**
- Namibia Medical Society

*Dots on the map indicate collaborators/affiliates to The Global Health Network's current projects. Country centres include those with existing MOU/in progress with the indicated institutions.*

Building equity in health research:
Data from n=7,000 when we asked the Global Health Network community:
*'What are the barriers to you leading your own research studies'*
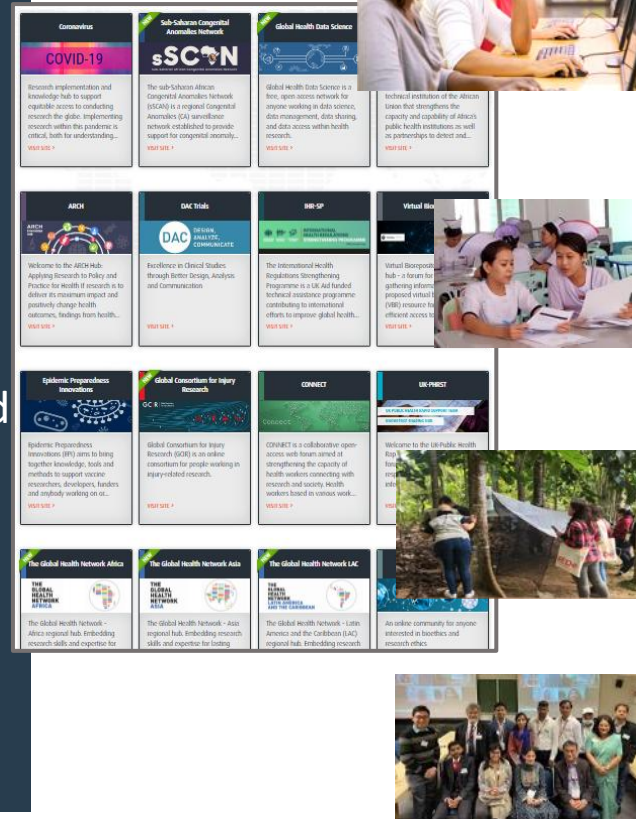The Global Health Network is tackling all these at scale

Legend: Global, Africa, LAC, Asia-Pacific, Global North

Categories: Research skills training, Institutional support for research, Access to funding, Community engagement, Research management support, Access to research equipment and technology, Access to networking opportunities, Specific technical expertise, Access to existing datasets, Research systems, Political will, Ethical, legal, or contractual considerations, Other

# Globally Unique – transferring know-how across disease areas, types of research and between organisations, networks & regions

## Communities of Practice

Vast interconnected communities of Practice mobilizing know-how across research topics and diseases

Active dissemination: raising standards & creating efficiency by transferring excellence and know-how between research projects and programmes

Applying the strongest information management technology so researchers anywhere can have the same access to the best methods, processes and training



## Workplace based implementation of research skills – by doing

Working within existing networks, research organisations and in communities

Cascading research skills across healthcare settings

Delivering learning-by-doing in specific studies to share expertise beyond centers of excellence, to support lasting, leading and internationally competitive research teams.

This knowledge mobilisation works as the barriers and knowledge don't differ between diseases

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# The Global Health Network Study Builder:

Support and help for every step of running a study – making it easy

**Used by organisations such as WHO, CEPI, IDRC, EDCP, PRISM and Wellcome To reach the research community and deliver systematic methods and research system strengthening**

# Sharing expertise through joined up tools, resources, webinars, workshops, training & career development; in the workplace & online

## Access implemented regional activities below or get support to develop your own

**Research Club**

**Supported Learning**

**Twinning**

**Data Club Data Clinic**

Essential Research Skills Training Curriculum

Good Clinical Laboratory Practice

Research Ethics Online Training — World Health Organization

Developing an Evidence-led Essential Research Skills Training Curriculum — Delphi Study

Introduction to Clinical Research
1 module
An overview of the basic concepts of clinical research, focusing on the main areas of why and how clinical research is carried out, the importance of ethics in research, and an outline of the five main clinical study designs.
English | Español | Français | Português | Swahili | Việt | 中文

- Many different collaborators
- Open access, globally applicable
- Peer reviewed, regularly updated
- Certificate issued > 80% in quizzes
- > 500,000 people taken courses

## Workshops

Workshops are a valuable and engaging way to learn, providing a fantastic opportunity for collective training sessions, skills transfer, networking and information sharing.

The range of workshops and format for delivering these sessions can be creatively designed to best serve the context of the learning initiatives such as these help to support and strengthen capacity at both an individual and institutional level. We set-up and facilitate a wide range of practical workshops in close collaboration with coordinators and study teams in diverse settings. Please do review the variety of workshops hosted across the regions that cover a breadth of topics, which have generated rich outputs from these sessions to benefit researchers globally.

### AFRICA

| | | |
|---|---|---|
| Research in Global Health Emergencies | Africa CDC One Health workshops | Research Ethics during Epidemics |
| Laboratory Quality Control | Infection Prevention and Control AMR | Grant Writing Workshop |
| Introduction to Scientific Writing | Laboratory Quality Control | PC-NTDs Workshop |
| | Treatment protocols and approaches from different countries: The African Story | Africa's capacity for real-time polymerase chain reaction (RT-PCR) diagnosis of infectious diseases |
| | Improving clinical trial conduct in Africa | |

Migrant Communities and the COVID-19 Pandemic: Ethical considerations

Richard T Johnson Lecture | Neurologic morbidities from pediatric cerebral malaria—Looking Beyond the Body Count

Indigenous communities, 'vulnerability', and the COVID-19 pandemic

Introduction to Research for nurses and midwives

Global Brain Health Clinical Exchange Platform – Critical Care of the Neurologic System in COVID-19

Communicating Science to Facilitate the Uptake of Research Findings into Policy and Practice

**Professional Skills** — Scientific Thinking; Ethics, Quality & Risk management; Research Operations; Study & Site(s) management

Core competencies

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# SNAKEBITE in Nigeria

**Local teams turning their data into changes that save lives**

So what?.....
- Young Men
- Lower arm
- Harvest / Planting Season
- Which snake?

→ Poster / Video's
   whatsapp

   sleeves
   photo of snake
   gloves !
   treatment

**Using a Machine Learning Approach to Predict Snakebite Envenoming Outcomes Among Patients Attending the Snakebite Treatment and Research Hospital Kaltungo, Northeastern Nigeria**

Nicholas Amani Hamman [1,*], Aashna Uppal [2,*], Nuhu Mohammed [1], Abubakar Saidu Ballah [1], Danimoh Mustapha Abdulsalam [3], Frank Mela Dangabar [1], Nuhu Barde [1], Bello Abdulkadir [4],

- **100's of other examples:**
- Mental Health of Teenage girls in Malawi / Reducing death from Burns in Kenya / Improving Sanitation In Ethiopia
- *Within Primary Care Settings*: Health care workers identify challenges; coached through the process
- *Scalable and Sustainable*: Can apply to any health priority and implement this support system into institutions
- *Transformational*: Gives recognition, visibility and a route to develop their **research system in their health system**

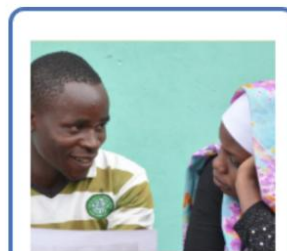# How to get a research community thriving in your hospital

Research can be pragmatic  'measuring what's in front of you'

And can generate immediately implementable new solutions; treatments, care practice, prevention…. Improving outcomes, straightaway.

All this needs is health care workers being giving the support and mandate – and amazing things happened!

Research clubs are AMAZING and work very well…… Supported learning sessions, Topic Clinics….  Just set them off and they will run themselves.



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**Research Club**     **Supported Learning**     **Twinning**     Data Club and Data Clinic / **Data Club Data Clinic**

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# We are ALL The Global Health Network…. Nigeria!

Connect, convene, share and support each other for Nigeria to lead the way in health research across Africa and as a global exemplar.



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