

The Global Health Network

Lima – 11th June 2014



Enabling research by sharing knowledge

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The Global Health Network

www.theglobalhealthnetwork.org

What is it?

- A network which supports health research by sharing knowledge and methods.

Health Research often occurs in isolated siloes.....

Researchers have to fight for funding, and don't share their ideas, methods, or results until publication.



The internet is changing the world in other fields.



The screenshot shows the TripAdvisor website interface. At the top, the URL is www.tripadvisor.co.uk. The navigation bar includes links for Hotels, Flights, Holiday Rentals, Restaurants, Best of 2014, Your Friends, and a Write a Review button. A search bar is present with the placeholder text "Search for a city, hotel, etc.". The main banner features a scenic image of a boat on a beach with the text "Plan your perfect trip". Below this, there are filters for Hotels, Flights, Holiday Rentals, Restaurants, and Destinations, along with input fields for "City or hotel name", "dd/mm/yyyy", and "dd/mm". A "2014 TRAVELLERS' CHOICE" award logo is displayed. The right sidebar lists several hotels with their ratings, awards, and review counts. The bottom section includes "Top recommended restaurants" and "The world's best hotels".

tripadvisor UNITED KINGDOM

Hi, Tamzin GBP UK

Hotels Flights Holiday Rentals Restaurants Best of 2014 Your Friends More Write a Review

Search for a city, hotel, etc.

Plan your perfect trip

Hotels Flights Holiday Rentals Restaurants Destinations

City or hotel name dd/mm/yyyy dd/mm

2014 TRAVELLERS' CHOICE tripadvisor

Top recommended restaurants

The world's best hotels

Tierra Viva Miraflores Larco (Lima) ★★★★★
Travellers' Choice® 2014 Winner Bargain | Romance
Offers & Announcements 10% off room rate
#1 of 215 hotels in Lima Region
#1 of 196 hotels in Lima
★★★★★ 271 reviews
"A breath of fresh air" 02/06/2014
"Great Reception" 29/05/2014
Professional photos | Traveller photos (54)

JW Marriott Hotel Lima (Lima) ★★★★★
Travellers' Choice® 2014 Winner Top Hotels | Luxury
Special Offer Free Parking
#2 of 215 hotels in Lima Region
#2 of 196 hotels in Lima
★★★★★ 983 reviews
"Enjoyed our stay" 03/06/2014
"Excellent hotel" 01/06/2014
Professional photos | Traveller photos (400)

Hotel Atton San Isidro (Lima) ★★★★★
Travellers' Choice® 2014 Winner Top Hotels | Service
Special Rate \$99 (USD)
#3 of 215 hotels in Lima Region
#3 of 196 hotels in Lima
★★★★★ 550 reviews
"Modern hotel in Lima" 03/06/2014
"Value, Class and Comfort" 01/06/2014
Professional photos | Traveller photos (385)

People share their experiences and knowledge with one another, creating an evolving body of knowledge.

This is a 'Community of Practice'.

Health Research needs this!

Clinical research involves many steps...

Samples & laboratories

Regulations & guidelines

Ethics / informed consent

Data capture and management

Protocols

Operating procedures

....that are largely similar irrespective of location, disease area or type of study

A mechanism for sharing methods and resources between groups, disease areas and regions

would bring....

Standardisation

Better research practices

Immediate access to knowledge & information

Enable data sharing

Use of same terminology

Increased collaboration

Peer support & networking

...& WOULD SPEED UP RESEARCH

!

Therapeutic & Disease Specific Portals

Respiratory

Dengue

Enterics

Neglected Tropical Diseases

Cancer

Non-Communicable Diseases

.....etc.etc.

Cross Cutting Portals

Diagnostics

Microbiology

vaccines

Laboratory Directory

Clinical Trials

Research methodology

Bioethics

Epidemics

Regulatory Review

Data management

Epidemiology

Topics

The Global Health

The Global Health
to create a subject

**Introduc
Health N**

The Global Health Network aims to

Applications

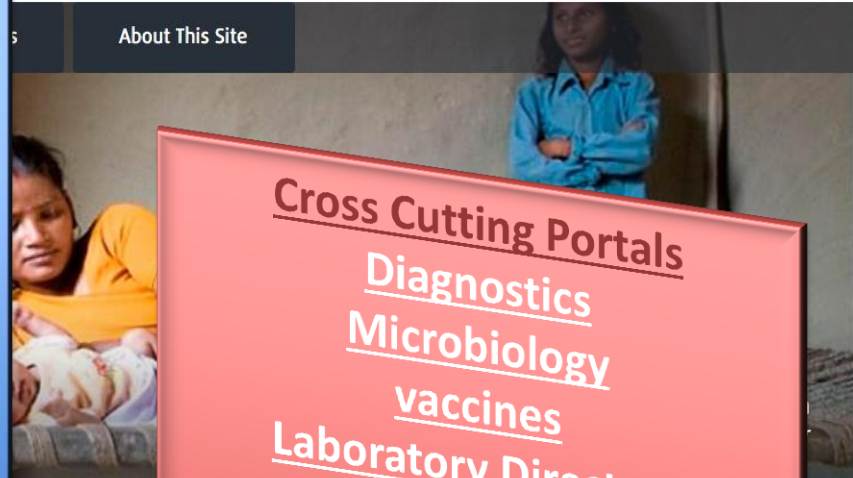
SiteFinder

E-learning centre

Process mapping

Research metrics

About This Site



Mem



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Global Reviewers 7 May



Global Mother Child Research

What are you looking for?

SEARCH



Home

Categorised Resources

Articles

Community

Global Health Diagnostics

Home

An online resource to encourage and support research into improving diagnostics in global health through the sharing of knowledge, methods and tools and by enabling the creation of diverse research collaborations. Registering is free and open to anyone working in global health.

News

The Global Health Network revamp is complete. Read about the exciting changes.

Read more

Discussion Framework for Clinical Trial Data Sharing: Guiding Principles, Elements, and Activities

Data sharing is one of the most important current issues in clinical trials. If conducted in the right way, sharing data could help facilitate faster and better generation of evidence to bring new interventions and improve disease management. Have your say about this key issue by [reading this blog](#).



Polio declared an international health emergency!

The spread of polio constitutes an international public health emergency, the World Health Organization declared Monday. Of the 10 countries currently infected with polio, three -- Pakistan, Syria and Cameroon -- have allowed the virus to spread internationally, according to an emergency committee convened by the organization,

ISARIC

Home

The website for the International Severe Acute Respiratory and Emerging Infection Consortium

News

2nd ISARIC Annex, 2-5 July

ISARIC's 2nd Meeting in France - 7 May

but it's not over yet. READ

Discussion

Group: MIDWIVES FORUM

WOMAN Trial

World Maternal Anti-Fibrinolytic Trial

Articles

Global Health Microbiology

Feb. 19, 2014

Option B+ in prevention of mother-to-child transmission (PMTCT) of HIV

By yogandree ramsamy, Koleka Mlisana

In 2013, the WHO released a new set of guidelines on the prevention of mother to child transmission (PMTCT) of HIV/AIDS.

The new WHO guidelines suggests that all pregnant women who test positive for HIV should immediately begin a course of triple antiretroviral (ARV) drugs, regardless of CD4 cell levels. WHO now recommends that ART be initiated immediately and continued for the rest of the mother's life. These recommendations, referred to as Option B+, are the WHO's preferred method of addressing PMTCT in low- and middle-income countries and resource poor settings. Should this program not be feasible, given specific in-country restraints, the WHO recommendations still align with the most recent guidelines outlined in 2010.

Advantages of the new recommendations are as follows (adapted from WHO):

1. Further simplification of PMTCT program- no need for CD4 testing to determine ART eligibility (as required in Option A) or whether ART should be stopped or continued after the risk of mother-to-child transmission has ceased (as in Option B) (although CD4 counts or viral load assays are still desirable for determining baseline immunological status and monitoring response to treatment);
2. Extended protection from mother-to-child transmission in future pregnancies from conception;

Tweets

ISARIC @ISARIC1

@WHO #Ebola outbreak clip Thx 2 all @ISARIC members involved, ur support helped explore stronger clinical management

youtu.be/aQ1M4Z7w

Show Media

USEFUL RESOURCES

The Impact of Revised PMTCT Guidelines: A View From a Public Sector ARV Clinic in Cape Town, South Africa 112.8 KB

Much ado over the new South African PMTCT guidelines 489.8 KB

Is Option B+ the best choice? 102.0 KB

RELATED ARTICLES

No related articles

world bioethics now available
onlinelibrary.wiley.com/doi/10.11

Retweeted by

The Global Health Regulatory Requirements Database

Provides information on international regulatory requirements for product development plans.

[GO TO SITE](#)



Global Health Technologies Coalition

▼ Thailand

Search



[Advanced search](#)

The Global Health Regulatory Requirements Database is designed to help researchers and regulatory affairs professionals access the information they need to develop effective strategies for gaining approval to conduct clinical trials and market products. The database provides high-level information on regulatory requirements, timelines, costs, and other basic information required to create product development plans for new tools.

Find key information on the regulatory environment within a specific country by using the Search function.

THE GLOBAL HEALTH TECHNOLOGIES COALITION

The Global Health Technologies Coalition is a group of more than 25 nonprofit organizations working to increase awareness of the urgent need for tools that save lives in the developing world.



[TO THE WEBSITE](#)

THE GLOBAL HEALTH NETWORK

The Global Health Network is a collection of websites that are aiming to support research by sharing knowledge and methods.



[TO THE WEBSITE](#)

GLOBAL HEALTH REVIEWERS

Global Health Reviewers is a resource for all those involved in the ethical and regulatory review of research, particularly in resource-limited settings. A variety of materials and forums are provided to assist committee members from Ethics Review Committees, Institutional Review Boards, and Food and Drug Administration regulatory committees.



[TO THE WEBSITE](#)

GLOBAL HEALTH TRIALS - DISCUSSION FRAMEWORK FOR CLINICAL TRIAL DATA SHARING: GUIDING PRINCIPLES, ELEMENTS, AND ACTIVITIES

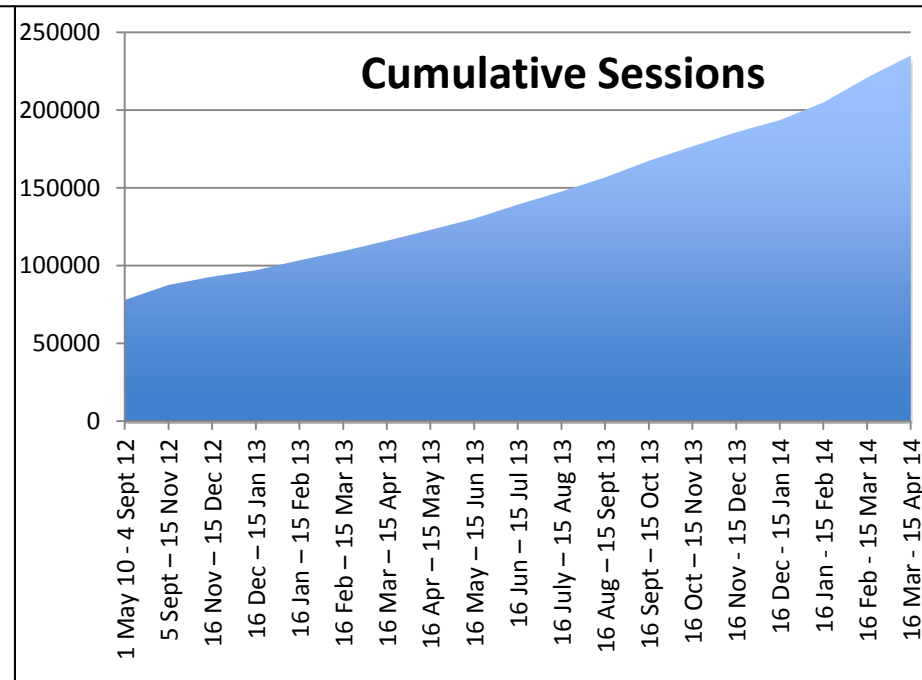
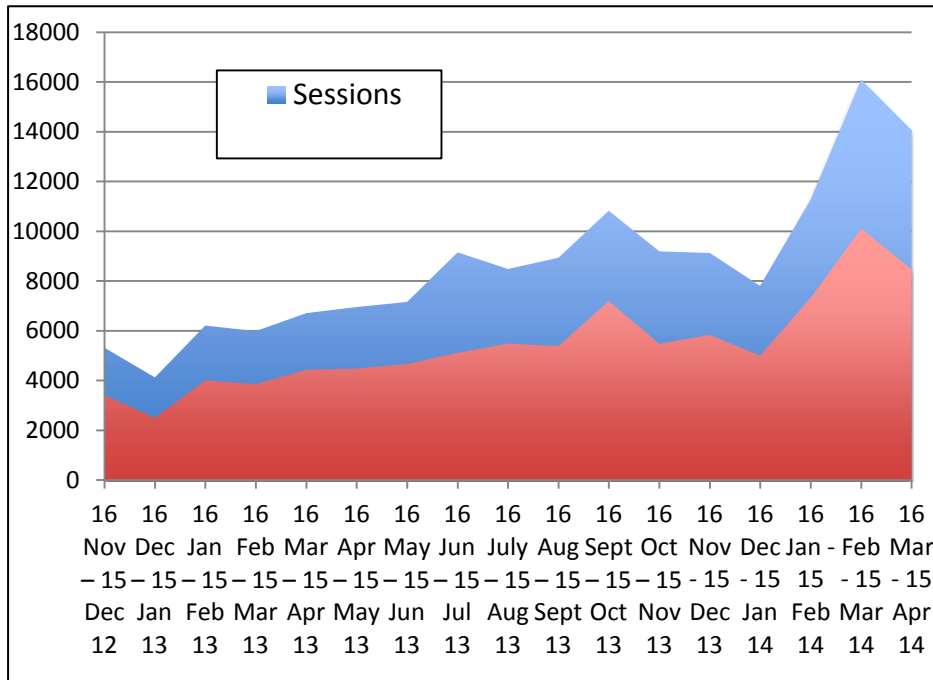
Data sharing is one of the most important current issues in clinical trials. If conducted in the right way, sharing data could help facilitate faster and better generation of evidence to bring new interventions and improve disease management.



[JOIN THE DISCUSSION](#)

Statistics

- Over 230,000 visits since May 2010
- Double what it was a year ago
- 17,087 site memberships



THE GLOBAL HEALTH NETWORK

Global Health Trials

What are you looking for? **SEARCH**


Home About Community Get Involved Articles Resources e-Learning Centre Professional Membership

Welcome

Welcome to the new look Global Health Trials. The new portals below should help you to find what you're looking for across the network, as well as new and featured articles, discussions and eLearning courses. Any comments? [Let us know.](#)


News

GCP Inspections/Audits – a Free Online Short Course




The Global Health Network is proud to announce the launch of a new e-learning short course: How to Conduct GCP Inspections/Audits at the Clinical Investigator Site. This course is intended to benefit regulatory good clinical practice (GCP) inspectors and sponsor ... [READ MORE](#)

Join Global Health Trials
Become a contributor - wherever you are



This is the opportunity for you to become involved in Global Health Trials, wherever you are. Global Health Trials is a community of researchers, and it's run by a community of researchers too - from across the world. We need ... [READ MORE](#)

Vaccinology in Africa – a five-day Master's level course (bursaries available)



This course will be run on 13-17th October 2014, in Nairobi, and will cover the main aspects of vaccinology, the vaccine development process, biomanufacturing and well as regulatory and ethical issues.

Discussions

Group: **THE ZAMBIAN CLINICAL RESEARCH FORUM**

What are some of the expectations and challenges of working in a research team?

3 REPLIES
LATEST REPLY: MAY 7, 2014

Group: **REGIONAL FACILITIES**

Tunisian Regional Faculty

Following the inaugural Tunisian Research Skills workshop held on 20th April 2014, please use this space to introduce yourselves, comment on the workshop, and discuss ...

3 REPLIES
LATEST REPLY: MAY 6, 2014

Group: **THE ZAMBIAN CLINICAL RESEARCH FORUM**

Quantification of the amount of TDF/FTC/EFV (atrilpa) excreted in breast milk.

Looking at the new ART guidelines which advocate for initiation of full HAART to children born from reactive mothers who also start HAART regardless of ...

4 REPLIES
LATEST REPLY: MAY 5, 2014

Group: **THE ZAMBIAN CLINICAL RESEARCH FORUM**

Clinical Research

Discuss how clinical research can improve the quality of health care in Zambia.

GHN_EDITORS

Build your professional profile and CV

MEMBERSHIP LEVEL:

★ ★ ★ ★ ★


SUBMISSION REQUIRED

0 PROFESSIONAL DEVELOPMENT POINTS

SiteFinder
FACILITATING PARTNERSHIPS

A free, open-access tool to link research sites with collaborators planning research.

Find a research partner now.
[GO TO SITE](#)



Tweets [Follow](#)

GlobalHealthNetwork
@Info_TGHN
Marous Rijken, of Utrecht University the Netherlands, presents a lecture in Oxford on

Guidance articles e.g.

- how to do a back translation review for ICFs
- Monitoring
- introduction to data management,
- how to manage a trial.....

Hundreds of resources, tools, downloadable SOPs and templates, etc

Everyone can get involved, whatever your location and role in research

Free and open access eLearning

Discussion boards overseen by experts; featured discussions such as 'ask the expert'

Up to date news and events

Track your continued professional development

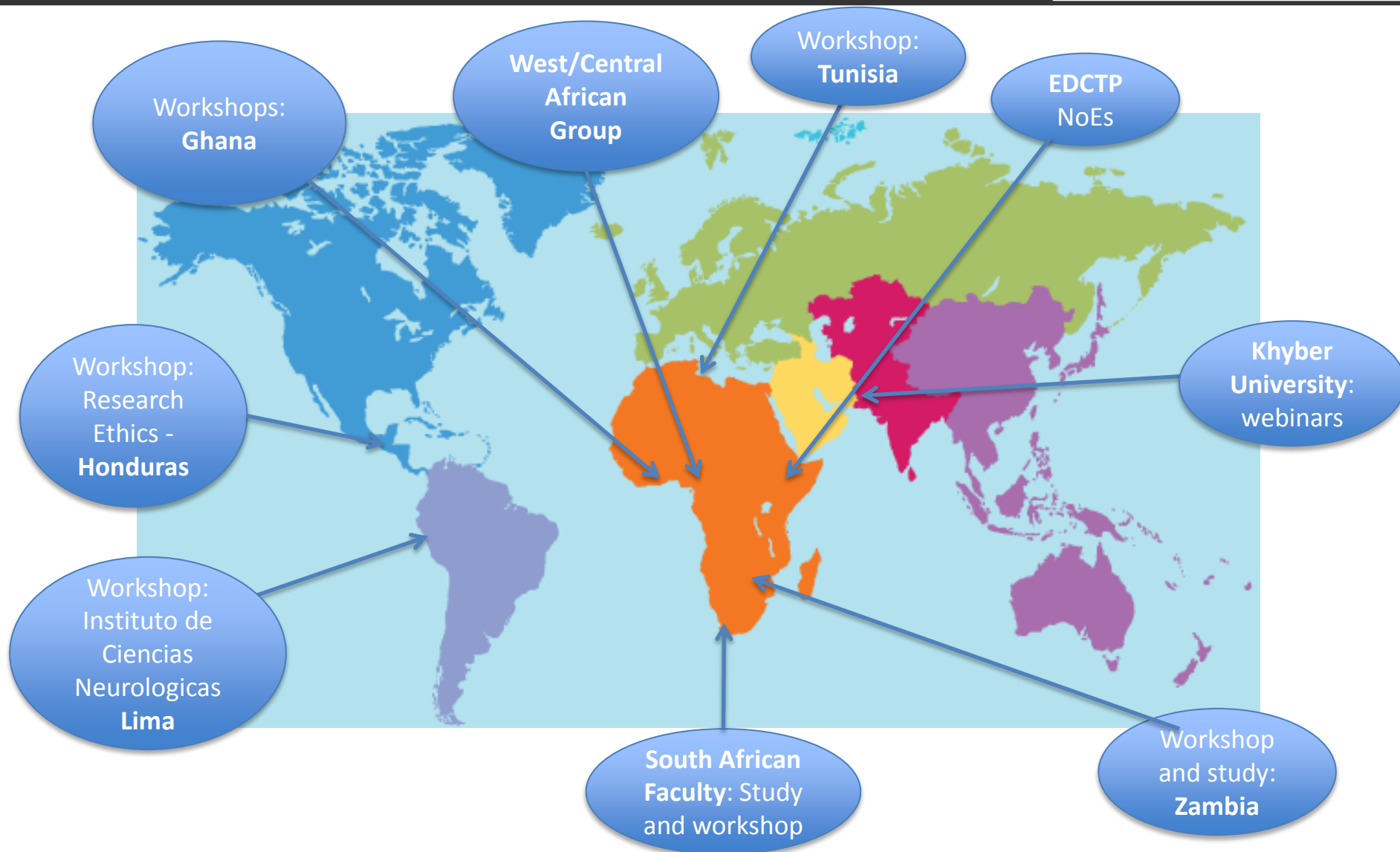
Opportunities for research sites

Upcoming (on website):

- Issue of the Month: Focus on Children in Research
- Trial Management Month
- SPIRIT Guideline-compliant protocol template
- Roles within Research toolkit
- Rapid Ethical Appraisal Toolkit
- Continued publishing of WHO toolkits

And the Process Map

Regional Faculties & Workshops

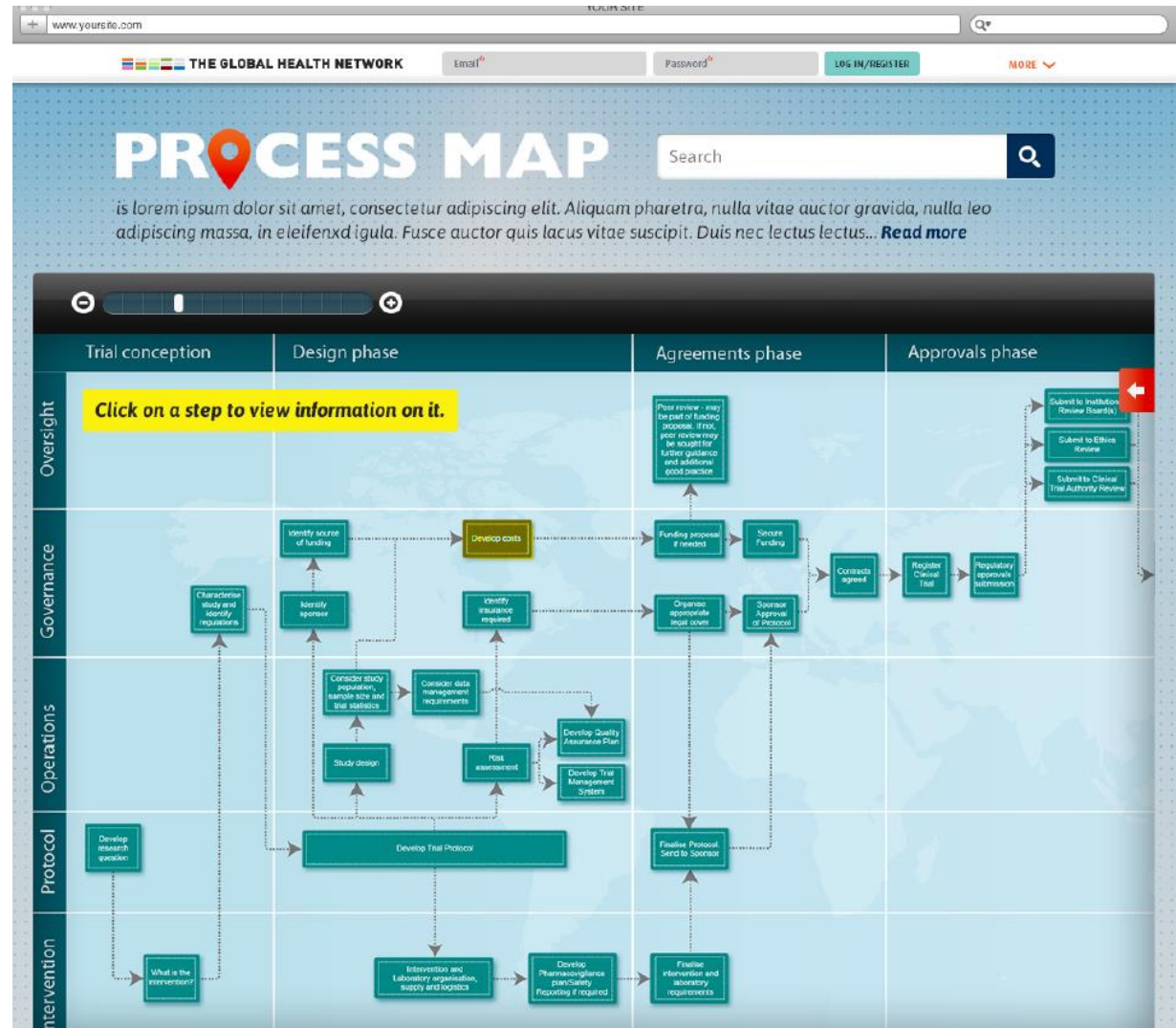


The Process Map

- Fully interactive and flexible layout
- Serves as a structural way of organising information across the Global Health Network
- Powerful search

Each item links to:

- Formal written information from trialists
- Other links and resources
- Relevant eLearning courses
- Discussions and blogs





SiteFinder

FACILITATING PARTNERSHIPS

GO TO: [ADVANCED SEARCH](#)

Search

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[Research sites](#)
[Studies seeking sites](#)
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ADDED 22 JUN 2013

University of North Carolina Project-Malawi

Experience
20 years of conducting large clinical and community based trials in infectious diseases including HIV, other sexually transmitted diseases, TB, Malaria, cancer, obstetrics and gynaecology, trauma and others.


Research interests
NIH Division of AIDS HIV Clinical trials network; Malaria Vaccine Initiative

Disease areas

- Cancer
- HIV
- Malaria
- Mental Health
- Newborn Health
- Other
- Sexually Transmitted Diseases (STDs)
- TB

Other information
350 employees with 3 clinical trial sites, 10 on per faculty from the university of North Carolina, extensive lab and infrastructure to conduct trial of any size.

Photos



Documents
[description of infrastructure](#)

OVERVIEW

Size and scale
Multiple sites, one location

Type of site
Other

Affiliation
MoH
University

Location
Lilongwe, Malawi

Working language
English

Community language
Chichewa/English

Clinical Facilities
Outpatients clinics
Maternity clinics
Adult in patients
Paed in patients
Community clinics
Laboratory

Research Facilities
Data management capacity
Clinical research laboratories
Community advisory boards
Research oversight / governance
Trial operational management
Regulatory support

Lead researcher:
Irving Hoffman
Center of Excellence partnering with Malawi Ministry of Health

We currently list 108 Research Sites.
[VIEW LIST](#)



AdvancedSearch

* Required fields

- Disease**
- ☐ Cancer
 - ☐ Chagas
 - ☐ Cholera
 - ☐ Dengue
 - ☐ Enteric diseases
 - ☐ HIV
 - ☐ Malaria
 - ☐ Malaria
 - ☐ Maternal Health
 - ☐ Mental Health
 - ☐ Neglected Tropical Diseases (NTDs)
 - ☐ Neuro Infections
 - ☐ Newborn Health
 - ☐ Other
 - ☐ Podocytosis
 - ☐ Respiratory Diseases
 - ☐ Sexually Transmitted Diseases (STDs)
 - ☐ TB
 - ☐ Yellow Fever
- Clinical facility**
- ☐ Outpatients clinics
 - ☐ Maternity clinics



THE GLOBAL HEALTH NETWORK

Enabling research by sharing knowledge



SiteFinder

FACILITATING PARTNERSHIPS

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ADDED 30 OCT 2013 EXPIRES

Gastroenterology (Duodenal Ulcer) Phase III study

Details
This is a multicentre, randomized, double-blind, prospective, placebo controlled, three arm, parallel group comparison trial, evaluating the clinical bioequivalence of generic sucralfate oral suspension, 1g/10 mL with Carafate® suspension in patients with duodenal ulcer. The primary endpoint is the percentage of patients with endoscopically assessed DU healing after 56 ± 2 days of treatment (approximately 8 weeks); the secondary endpoints include percentage of patients with endoscopically assessed DU healing after 28 ± 2 days of treatment (approximately 4 Weeks); the use of antacid rescue medication, ulcer pain scores and occurrence of adverse events. Total sample size: 575

Inclusion Criteria
Patients meeting all of the following criteria can be enrolled: 1. Patients of ≥18 and ≤65 years of age 2. Patient must have endoscopically confirmed active duodenal ulcer of at least 3 mm in diameter and not exceeding 25 mm. Patients may have up to a maximum of two duodenal ulcers 3. Patients must be confirmed H.pylori negative. Absence of H.pylori will be confirmed by rapid urease test and microbiology. Patients can be enrolled if found to be H.pylori negative by rapid urease test performed locally. However, final confirmation will be done by biopsy specimen culture and histology at the central laboratory.

OVERVIEW

Sristek Clinical Research Organization
CRO

Disease areas
Enteric diseases
Other

Study types
Phase III
Especially India

Appropriate sites
District hospital
Regional hospital
Clinic
Single investigators
Other

Must be able to recruit 25 patients as specified.

Facilities needed
Clinical
Research

Staffing needs

We currently list 108 Research Sites.
[VIEW LIST](#)

AdvancedSearch

*** Required fields**

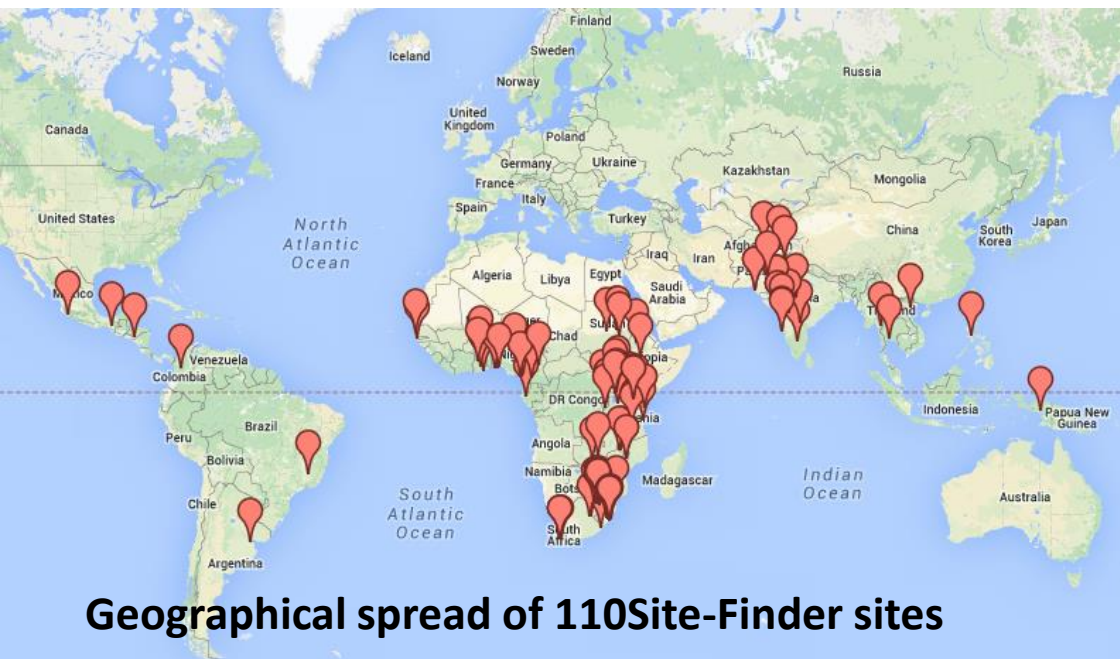
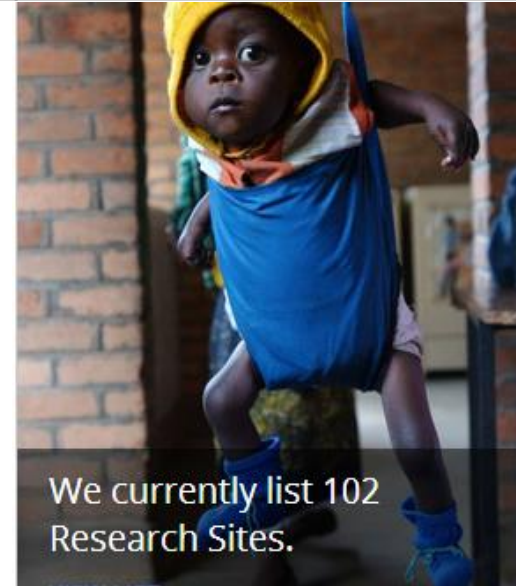
Disease

- ☐ Cancer
- ☐ Chagas
- ☐ Cholera
- ☐ Dengue
- ☐ Enteric diseases
- ☐ HIV
- ☐ Malaria
- ☐ Malaria
- ☐ Maternal Health
- ☐ Mental Health
- ☐ Neglected Tropical Diseases (NTDs)
- ☐ Neuro Infections
- ☐ Newborn Health
- ☐ Other
- ☐ Podocytosis
- ☐ Respiratory Diseases
- ☐ Sexually Transmitted Diseases (STDs)
- ☐ TB
- ☐ Yellow Fever



Site-Finder

- 110 Research Sites
- 20 studies (fluctuating)
- Since July 1st 2013, 6,300 visits from 3,800 visitors
- Sites and Studies contacting one another: over 30 contact requests since January this year
- Monthly news and funding opportunities sent to sites

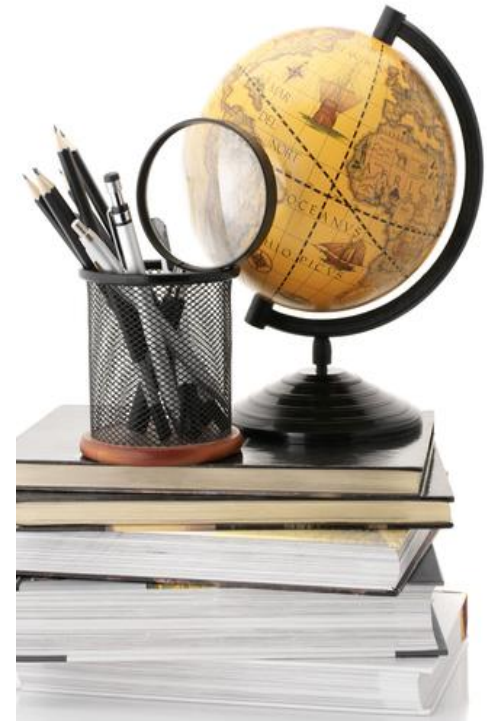


e-Learning Centre

- Most steps, processes and issues are the same
- Cross cutting 'how-to' skills training for all roles of staff, all disease areas and all regions
- Simple concept of taking good face to face courses and adapting them into e-learning material
- Sharing training material

Our philosophy is quite simple....

- Take these great training resources you have all developed and share them by creating e-learning courses!



e-Learning Courses



Hereby Certifies that
LIAM BOGGS
has completed the e-learning course
**INTRODUCTION TO INFORMED
CONSENT**
with a score of
100%
on
25/11/2013

This e-learning course has been formally recognised for its quality and content by the following organisations and institutions



The Global Health Trials e-Learning Centre
globalhealthtrials.org/elearning
Certificate Number 7769

Short Courses:

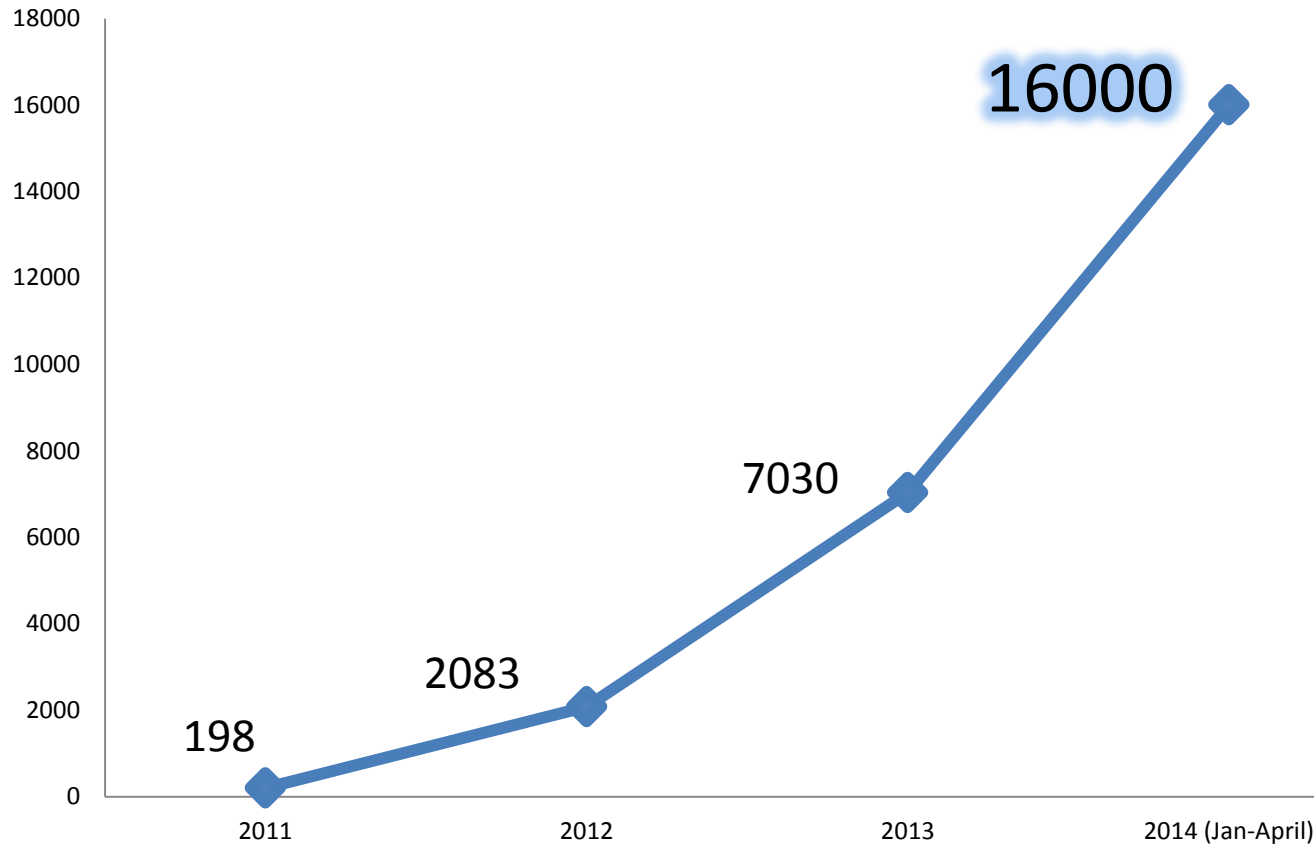
1. Introduction to Clinical Research
2. ICH Good Clinical Practice Course
3. Setting the Research Question
4. The Research Protocol: Part one
5. The Research Protocol: Part two
6. Data Safety Monitoring Boards for Clinical Trials
7. Introduction to Consent
8. Introduction to Data Management For Clinical Research Studies
9. Introduction to Collecting and Reporting Adverse Events in Clinical Research
10. Introduction to reviewing Genomic Research
11. The Retrospective Treatment Outcome Study
12. How to Conduct GCP Inspections/Audits...

Modular Courses:

1. Basic Malaria Microscopy (5 modules)
2. Research Ethics Online Training (14 modules)

e-Learning 2014 so far!

Cumulative eLearning Modules Taken Per Year



14 courses – 31 modules – 20 translations

Evaluating Risks and B

Summary – Evaluating Risks and



Research with human beings carried out for political, commercial, or other purposes is one of the key tasks of an REC. A research ethics committee (REC) is responsible for assessing the benefits, risks, and justice of research involving human beings. Issues of justice are closely linked to the question of who should participate? Distributing the benefits and risks of research fairly. Assessing the wide range of possible information provided in the research and also seeking this information out themselves.

Your feedback is greatly appreciated.

[Click here to take survey](#)

To return to the main menu screen, click on the 'Home' button.

Image © K. Ajayi, Courtesy of Photoshare

e-Learning in Progress



wellcometrust

Good Clinical Laboratory Practice

Influenza Outbreak + Laboratory Response



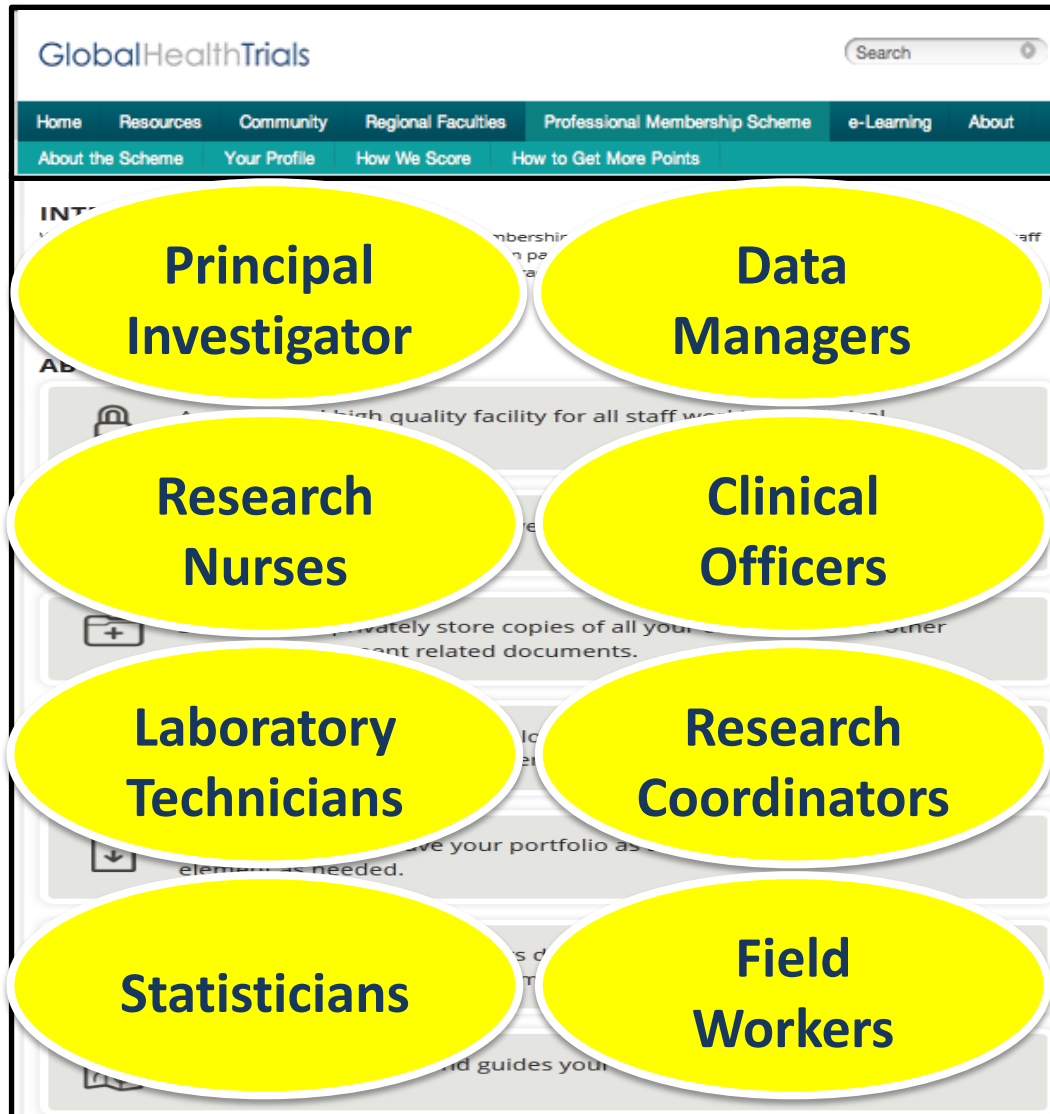
**World Health
Organization**

Laboratory Quality Management System
&
Biorisk Management

NoEs - Gold Standard GCP/GCLP



Professional Membership Scheme

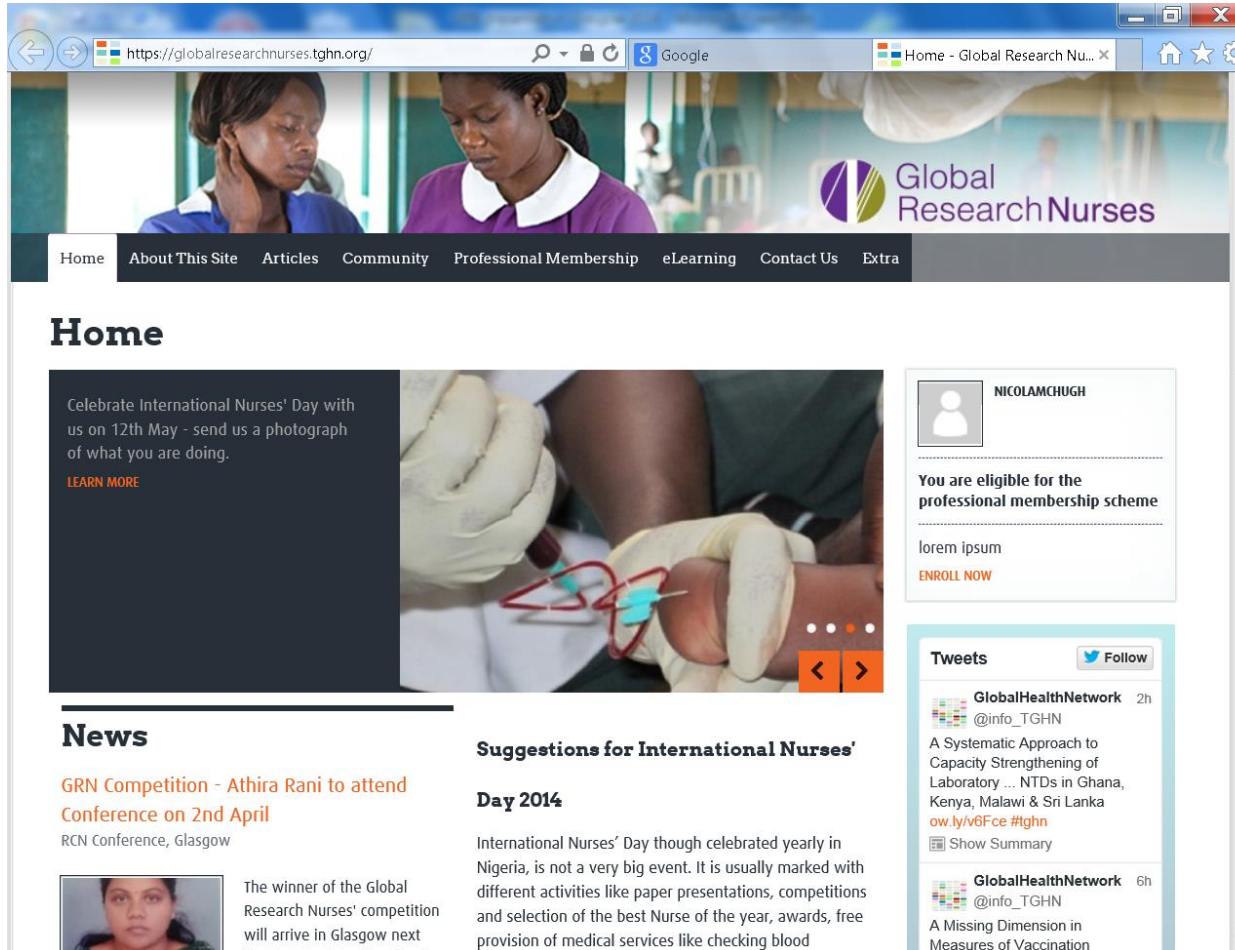


- Bill & Melinda Gates funded partnership between GHT & WHOTDR
- Professional membership for all levels of clinical research staff.
- This scheme increases professional recognition and tracks development
- It is free, comprehensive, validated and high quality
- Good for sites – provides a mechanism for staff review
- Good for individuals – provides own record and highly motivational

Steps involved in awarding a professional membership




- Creates awareness that this is a valid career path with wide opportunities
- Provides feedback and recognition
- Track Development
- Audited and moderated for quality and validity
- Information very secure
- Professional looking CV and training record.
- Helps research study leaders and institutions support, manage and develop their staff



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Home

Celebrate International Nurses' Day with us on 12th May - send us a photograph of what you are doing.
[LEARN MORE](#)



News

GRN Competition - Athira Rani to attend Conference on 2nd April
RCN Conference, Glasgow



The winner of the Global Research Nurses' competition will arrive in Glasgow next...

Suggestions for International Nurses' Day 2014

International Nurses' Day though celebrated yearly in Nigeria, is not a very big event. It is usually marked with different activities like paper presentations, competitions and selection of the best Nurse of the year, awards, free provision of medical services like checking blood

NICOLAMCHUGH

You are eligible for the professional membership scheme

lorem ipsum
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GlobalHealthNetwork 2h
@info_TGHN
A Systematic Approach to Capacity Strengthening of Laboratory ... NTDs in Ghana, Kenya, Malawi & Sri Lanka
[ow.ly/v6Fce #tghn](#)
[Show Summary](#)

GlobalHealthNetwork 6h
@info_TGHN
A Missing Dimension in Measures of Vaccination



Resources

Standard Operating Procedures

by [Karla Lam](#)

A general overview of Standard Operation Procedures (SOPs).

25th February 2014 · 0 comments

Five keys to improving research costing in low- and middle-income countries

by [ESSENCE on Health Research Initiative](#)

ESSENCE on Health Research have created a good practice document on research costing. It includes a review of the funding practices related to the definition and funding of direct and indirect costs.

18th December 2013 · 0 comments

Implementation Research in Health: A Practical Guide from the WHO

by [The Editorial Team](#)

This guide, developed by the WHO and released in December 2013, aims to facilitate implementation research in LMICs.

SUBMIT AN ARTICLE

We welcome contributions from members. Please submit an article for review by our editorial team.

[Upload now](#)

CATEGORIES

[Clinical Trial Laboratories](#) (2)

[Clinical trials](#) (1)

[Disease-specific Guidance](#) (8)

[Funding](#) (1)

[Health Inequality](#) (1)

[Infectious diseases](#) (5)

[Microbiology](#) (1)

[Publications](#) (1)

[Regulations and Guidelines](#) (3)

[Reports](#) (1)

[Resources](#) (18)

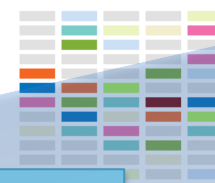
[Sampling](#) (1)

[SOP](#) (2)

- Introduction and Background
- GCLP Course objectives
- Laboratory Organization & Personnel
- Laboratory Facilities
- Laboratory Equipment
- Standard Operating Procedure
- Laboratory Reagents, Kits & Materials
- Lab Procurement & Inventory
- Laboratory Sample Management
- Good Documentation Practice
- Lab Quality Control
- Lab External Quality Assessment
- Laboratory Validations
- Lab Information Management System.
- Lab Corrective Action Preventive Action

Global Health Data Box

An Open-Access Data Quality, Management, Storing and Sharing Solution



**THE
GLOBAL
HEALTH
NETWORK**

research by sharing knowledge

Stage 1 = DEFINE

- Define current situation; How do researchers manage their data?
- Characterize Target User groups
- Determine Target User needs
- Technical SWOT analysis of existing tools
- Select DM toolset to take forward
- Establish consortia and governance structure
- Define baseline for impact measurement
- Define current data storage and sharing practices and needs

Stage 2 = REFINE

- Refine the DM tools
- Field test the DM tools
- limited release of DM toolkit
- Build decision tree application
- Develop trust and community of users
- Incorporate CDISC data standards
- Develop training resources
- Online support systems

Stage A = DEFINE

- Working with the the consortia and users group to:
 - Identify best practices in data standardization and data sharing tools with in consortia
- Determine level of support and engagement of users groups
- Technical SWOT analysis of existing tools and technical opportunities

Stage 3 = Release toolkit

- Full release of open access DM toolkit
- impact measurement
- Publicize to target user groups
- Measure impact and uptake in user group
- Establish need for extending to facility to data storage and sharing
- Ongoing refinement and upgrades

Stage B = REFINE

- Select data storage solutions
- Refine data storage systems
- Select sharing storage solutions
- Refine data storage system
- Develop training resources
- Online support systems
- Refine the data sharing tools
- Refine data stands tools
- Develop

Data Storing & Sharing

Stage C = Launch Data Storage and Release tools

- develop impact measurement tools
- publicize to target user groups
- Measure impact and uptake

Data Management

The Process Plan

Year 1
(pilot funding)

Year
2

Year
3

Year
4

Year
5

Acknowledgements

Trudie Lang
David Lalloo
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Francois van Loggerenberg
Liam Boggs
Nicola McHugh
Sam Franzen
Christopher Smith
Astrid Erber
Mukoma Kalumba

Funding

The Bill and Melinda Gates
Foundation

