

ALERRT CLINICAL CHARACTERIZATION PROTOCOL (CCP): MULTINATIONAL RESEARCH RESPONSE TO A GLOBAL HEALTH EMERGENCY; THE AFRICAN STORY



ALERRT Clinical Characterization Protocol (CCP): multinational research response to a global health emergency; the African Story

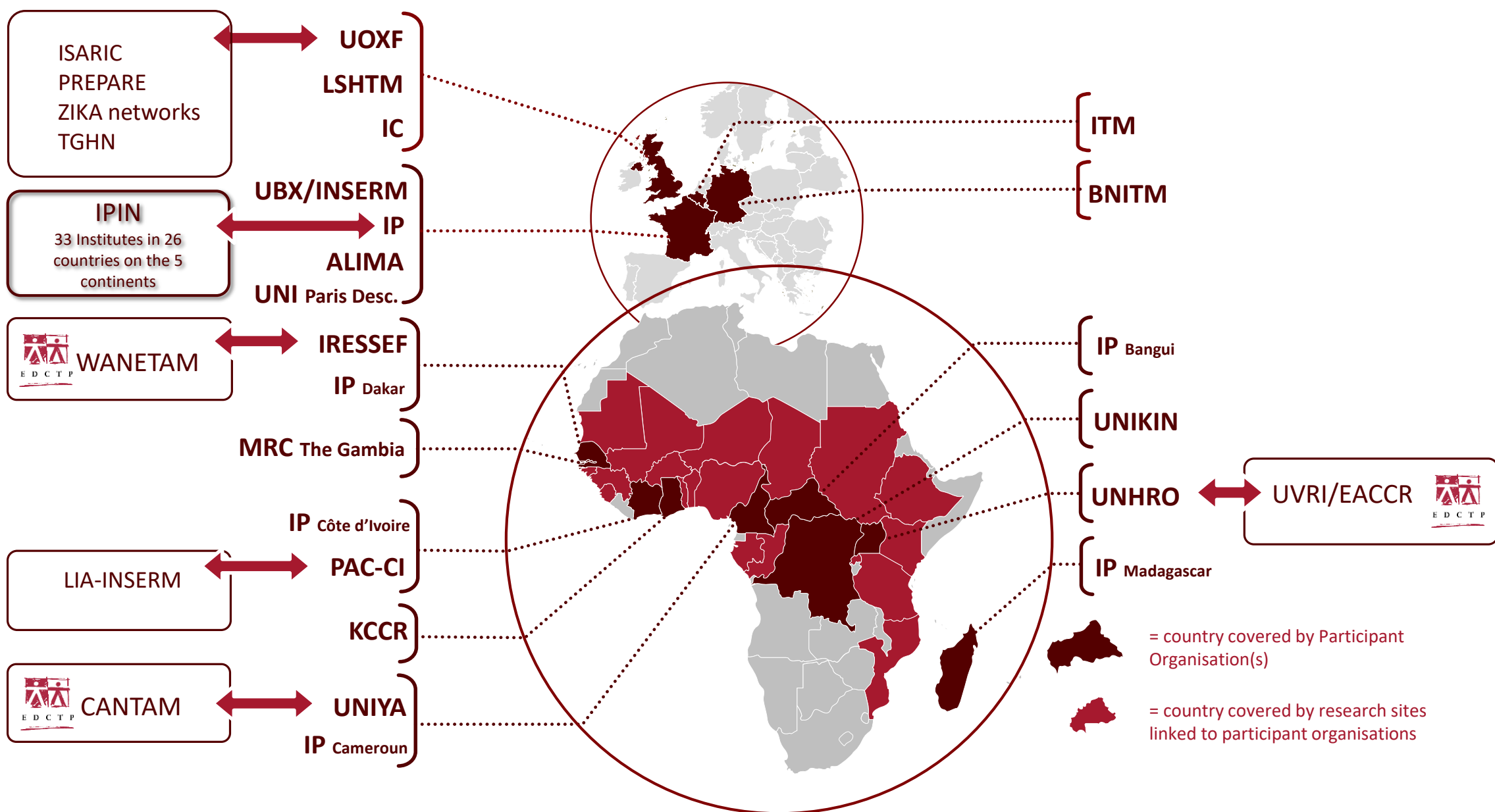
Dr. Joseph Bonney

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Collaborative Centre for Research in Tropical Medicine**



21 partner organizations
from 13 countries (9
African and 4 European)





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ALERRT is part of the EDCTP2 Programme supported by the European Union
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What is the Clinical Characterisation Protocol (CCP) ?

The Clinical Characterisation Protocol (CCP) is designed for any severe or potentially severe acute infection of public health interest.

- It is a standardised protocol that enables data and biological samples to be collected rapidly in a globally-harmonised manner.
- The Clinical Characterisation Protocol (CCP) can be used for the rapid, coordinated clinical investigation of confirmed cases of COVID-19.



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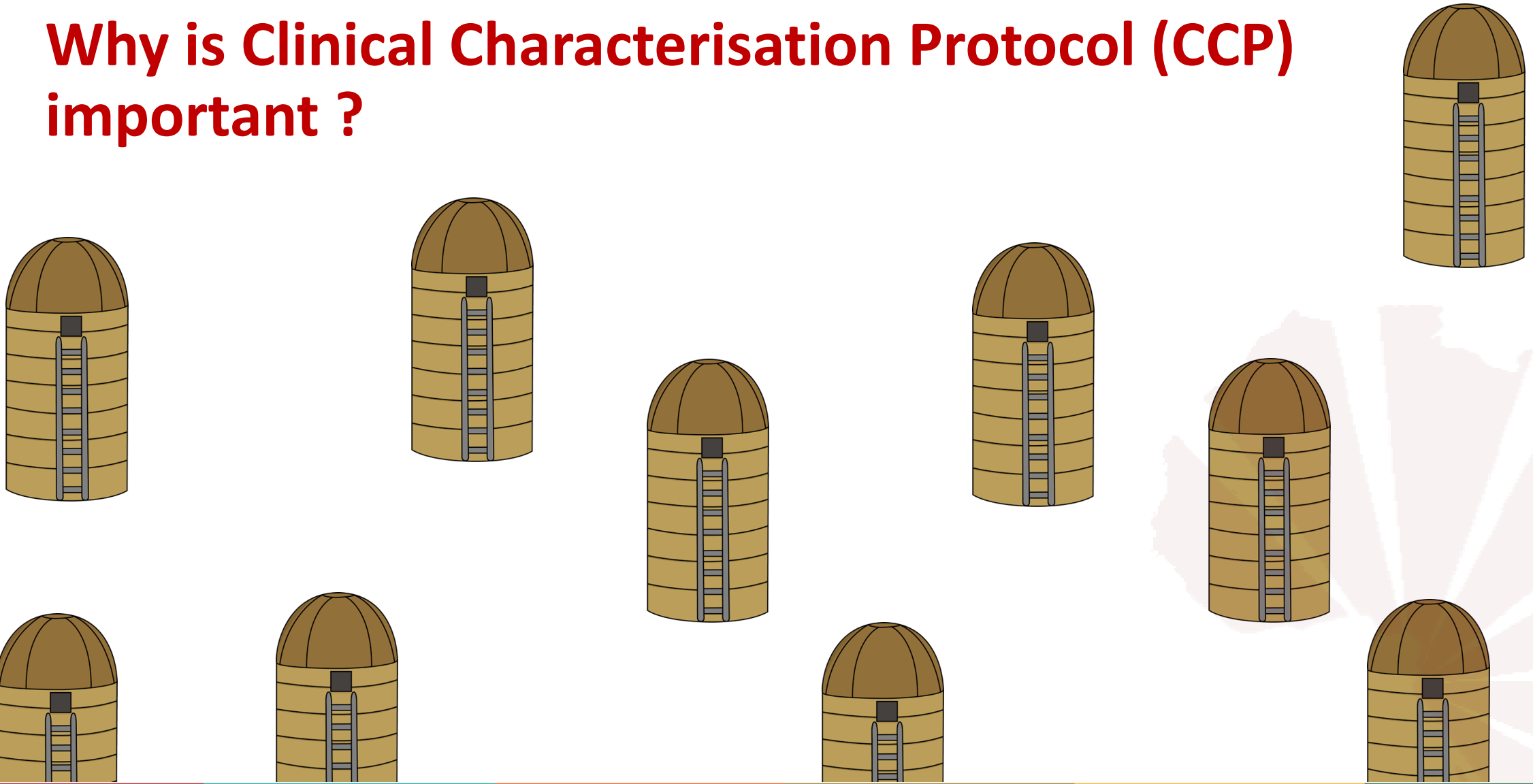
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Why is Clinical Characterisation Protocol (CCP) important ?



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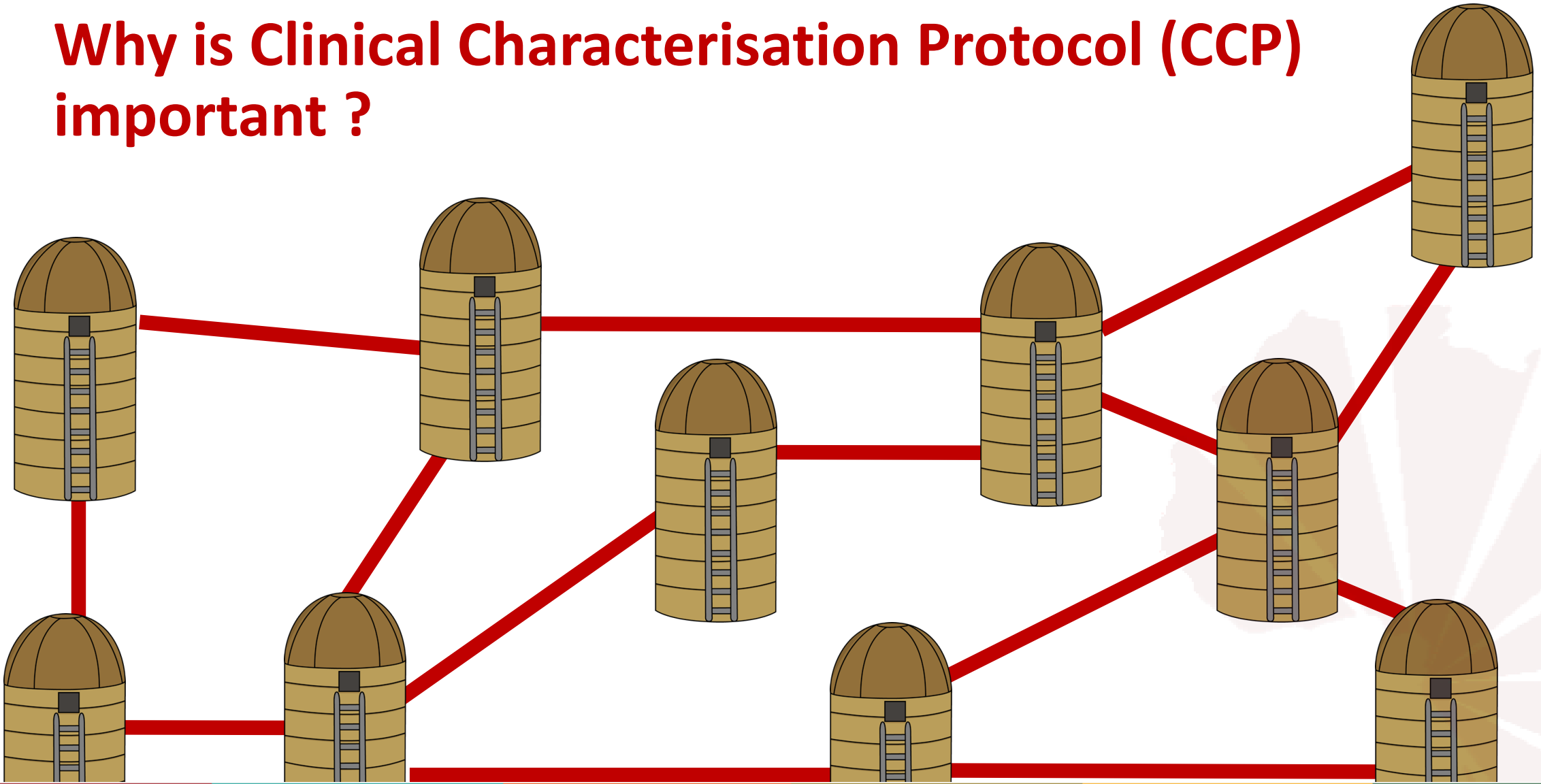
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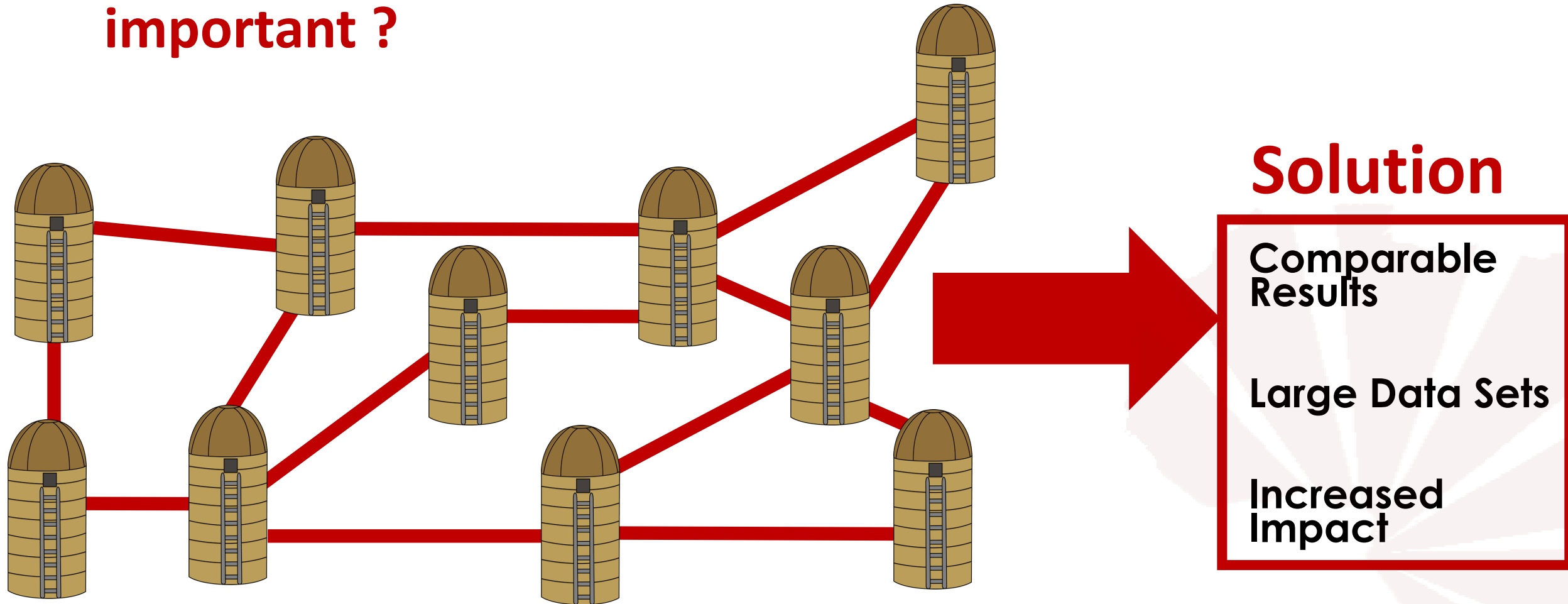
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Clinical Characterisation Protocol (ALERRT CCP)



ISARIC, the International Severe Acute Respiratory and emerging Infection Consortium has developed a clinical characterisation protocol for COVID-19. This protocol has been endorsed by the WHO

Adaptation of the protocols based on the local capacity, resources and specific local context



ALERRT Africa Ready Documents
STEP 1- STEP 6

Development of XML files

Clinical Characterisation Protocol (ALERRT CCP)

ALERRT will work closely with the WHO/AFRO, Africa CDC and existing networks and structures across Africa and globally to adapt the CCP for implementation in Africa.



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Clinical Characterisation Protocol (ALERRT CCP)

Adaptation of the protocols based on the local capacity, resources and specific local context



- **Ethics and Consent:** inclusion of thumb printing and photography of consent forms
- **Data Collector's Details**
- **Employment:**
- **Co-Morbidities and Risk Factors:** Addition of alcohol consumption with detail in consumption pattern and addition of details of smoking
- **Imaging:** Increased details on CXR and other images
- **Mental Assessment:** Kessler Psychological Distress Scale (K10)
- **Data Collection vs. EMR:** The electronic version of the CRF was adopted to the enable to use of the REDCap as an electronic medical record
 - Identifiable data
 - Doctors and nurses notes

Clinical Characterisation Protocol



Logged in as **amuasi** | [Log out](#)

[My Projects](#)

[REDCap Messenger](#)

Project Home and Design

[Project Home](#) · [Project Setup](#)

[Designer](#) · [Dictionary](#) · [Codebook](#)

Project status: **Development**

Data Collection

[Record Status Dashboard](#)

- View data collection status of all records

[Add / Edit Records](#)

- Create new records or edit/view existing ones

[Record ID 2](#)

[Select other record](#)

Data Collection Instruments:

[Consent](#)

[Background](#)

[Pregnancy](#)

[Infants](#)

[Admission](#)

[Signs And Symptoms](#)

[Comorbidities](#)

[Pre Admission Care](#)

[Cov19 Other Drugs](#)

[Vitals](#)

[Pathogen](#)

[Labs](#)

[Imaging](#)

[Complications](#)

[Medications](#)

[Antibiotics](#)

[Antipyretics](#)

[Corticosteroids](#)

[Other Meds](#)

[Outcome](#)

Ghana_COVID-19

Actions:

[Modify instrument](#)

[Download PDF of instrument\(s\)](#)

[VIDEO: Basic data entry](#)

Background

Adding new Record ID 2

Record ID

2

PARTICIPANT IDENTIFICATION

* must provide value

Name

* must provide value

Date of birth

* must provide value

Age

* must provide value

Month

* must provide value

Gender

* must provide value

Telephone Number

* must provide value

Email

* must provide value

Adress with landmakrs

* must provide value

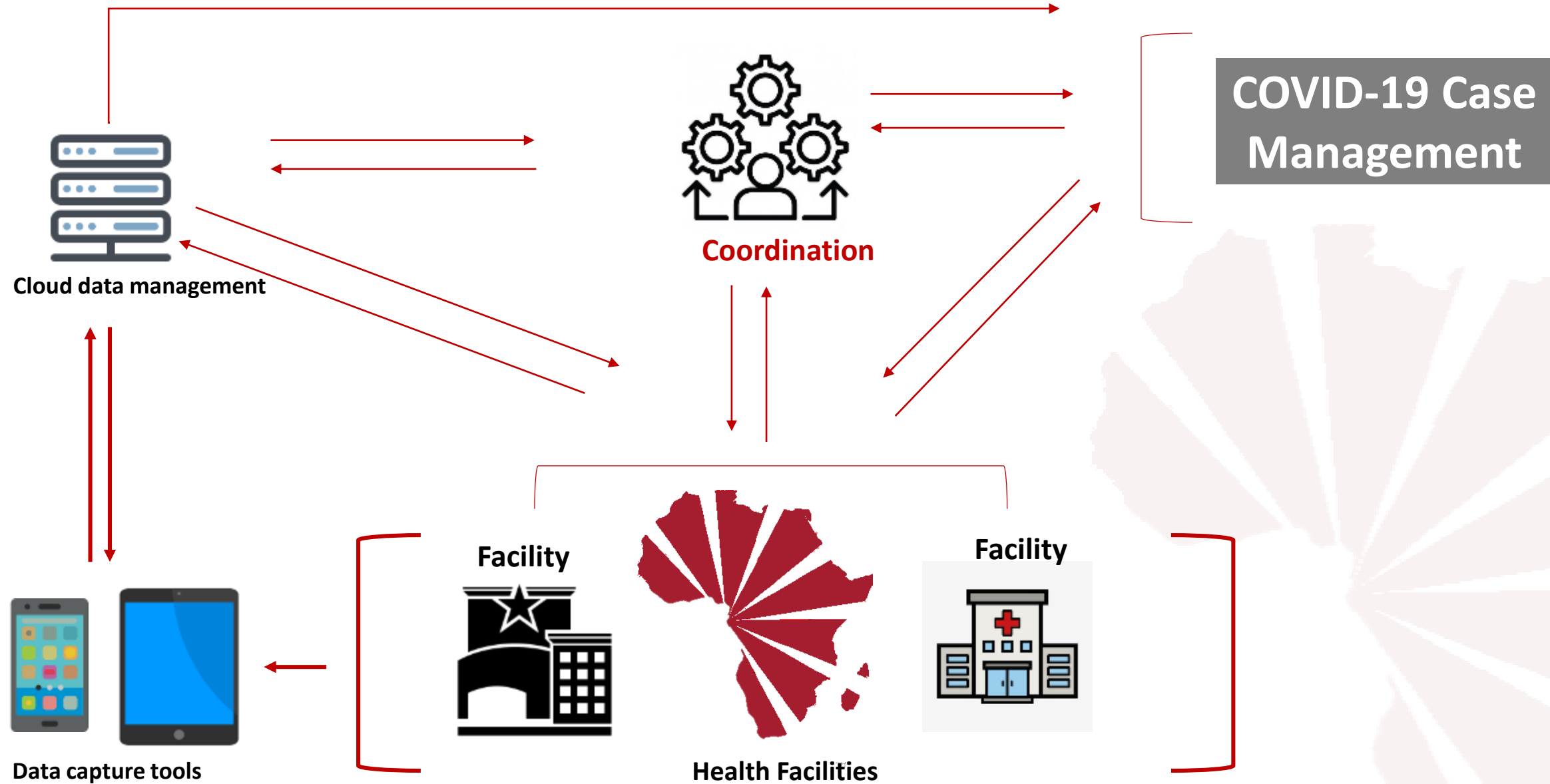
Ghana Post GPS

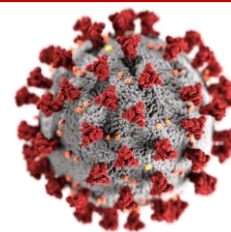
* must provide value

National Identification Card Number

<div>Consent and Patient Categorization</div> <div>Demography</div> <div>Case Pathway</div> <div>Epidemiological Factors</div> <div>Animal Contact</div> <div>Pregnancy and Postpartum</div> <div>Infants and Children Under 5 Years</div> <div>Vaccination Information</div> <div>Signs and Symptoms Preadmission</div> <div>Pre-Admission Medication</div> <div>Comorbidities And Risk Factors</div> <div>Vital Signs At Hospital Or Isolation Center Admiss</div> <div>Oxygen Saturation And Oxygen Therapy On Admission</div>	<div>These forms should be completed on Day 1 only</div>
<div>Daily Signs And Symptoms</div> <div>Recurrent Daily Vital Records</div> <div>Recurrent Icu Itu Imc Hdu Records</div> <div>Daily Medication</div> <div>Daily Complications</div>	<div>These are to be completed everyday</div>
<div>Doctors' Notes (not required)</div> <div>Nurses' Notes (not required)</div>	<div>These are not required</div>
<div>Laboratory Results</div> <div>Imaging</div> <div>Pathogen</div> <div>Kessler Psychological Distress Scale K10</div>	<div>These should be filled on any day the information is available and can be filled multiple times during admission</div>
<div>Overall Supportive Care</div> <div>Overall Medications</div> <div>Outcome</div>	<div>These are to be completed on outcome day only</div>

Clinical Characterisation Protocol





CLINICAL CHARACTERIZATION PROTOCOL

Senegal: 260 participant have been recruited with follow up visits have commenced (1, 3, 6 months post-discharge)

Cameroon: Ethical clearance obtained. Preparation for training for data entry and recruitment to start in December

Ghana: 1157 records entered so far. Dynamic dashboard is fully operational. 2 sites are open but plan to add another 2 site far ahead.

Kenya: Database set up and awaiting final stage of Ethical Approval

Uganda: Database set up and awaiting final stage of Ethical Approval

Clinical Characterisation Protocol



AIM: describe the clinical features of COVID-19 and monitor the progress of all hospitalized patients including what is working and what is not

1263 records

697 records



PCC

565 records



GA East

NEW SITES:

- Kintampo Health Research Center
- St. Michael's Hospital



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Challenges



Ethical clearance delays



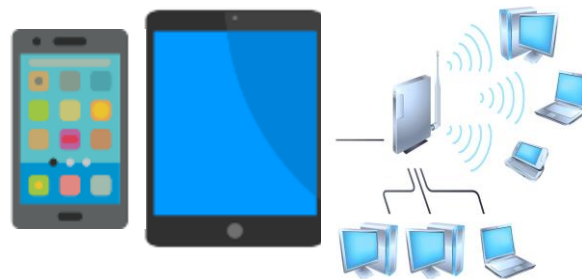
Implementation and training



Monitoring



**Collaboration and
Resource mobilization**



Tools and technology



Quick and relevant output



Race against time



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Practical Solutions



Ethical Clearance Delays

- Predesigned Protocols
- Discussion for an expedited review



**Collaboration and
Resource mobilization**

- Use local Staff
- Apply for collaborative funding
- Use the science as the incentive and not money



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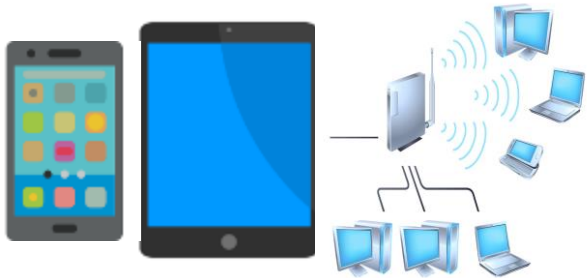
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Practical Solutions



Implementation and Training

- Open discussions with the leaders at the site on implementation plans that will work for this institutions
- Training on site
- Use local leaders at the site



Tools and Technology

- Use offline options if possible
- Will the App work? Or use basic apps
- Using technology to keep the devices safe



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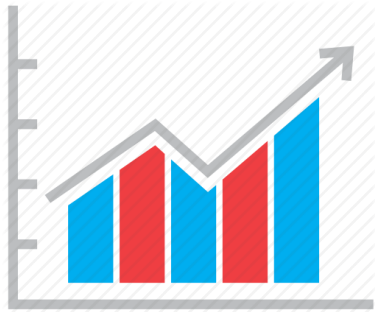


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Practical Solutions



- Keep all the authorities involved at the start
- Regular updates to all political leaders
- Be aware of the local politics



Quick and relevant Output

- Implantation papers
- Dashboards
- Media output: regular media and social media



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Practical Solutions



Monitoring

- Setup systems at all levels: local, coordination and national
- Regular re-training and physical reviews



Race against time

- Use pre-set protocols
- Work fast and collaboratively
- Be ready



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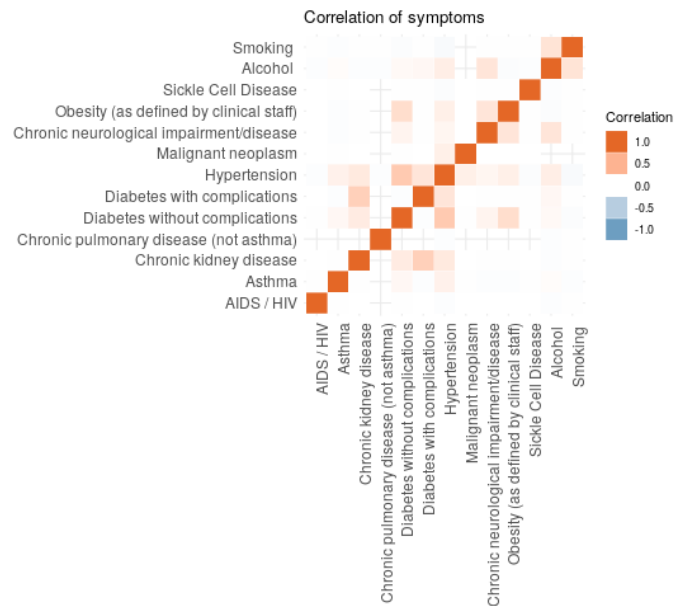
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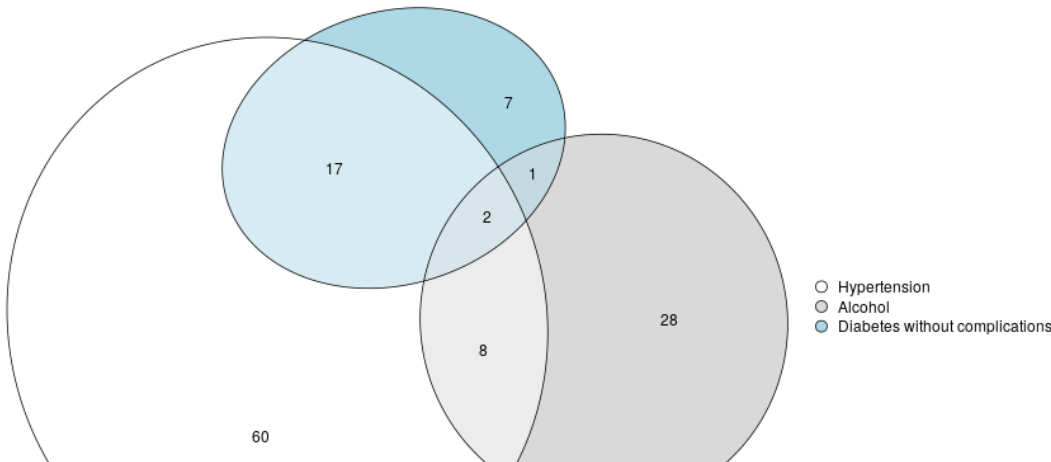


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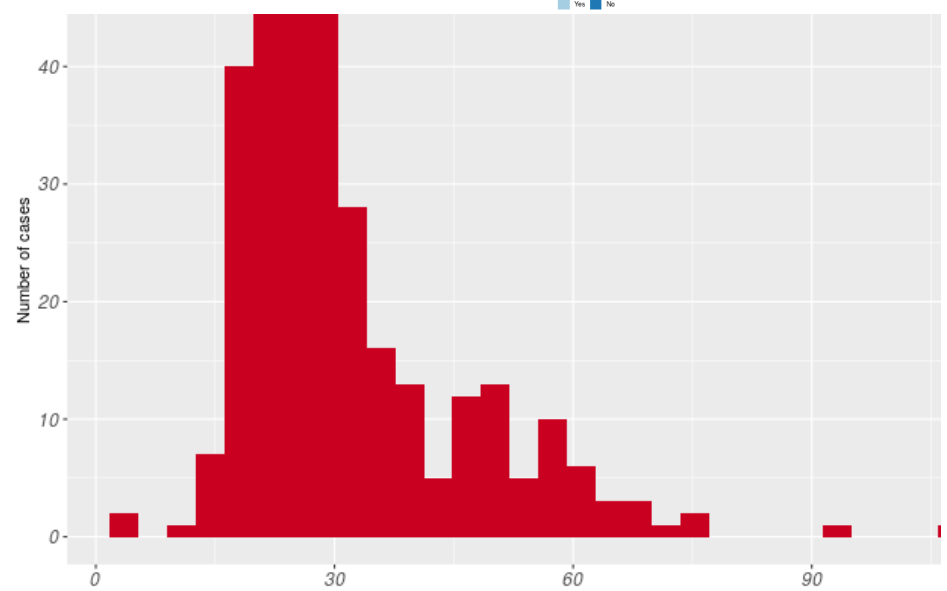
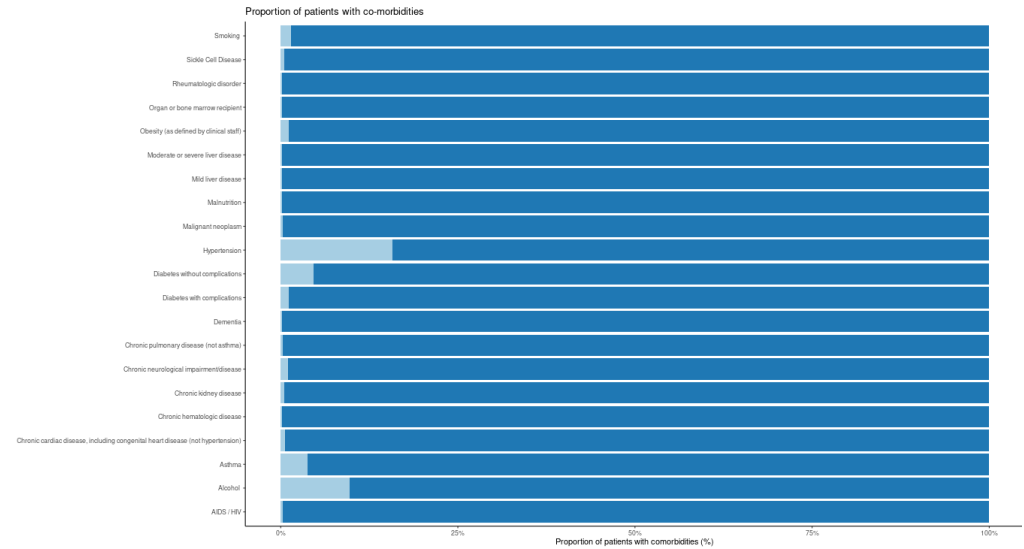
Co-Morbidites presented at the time of admission



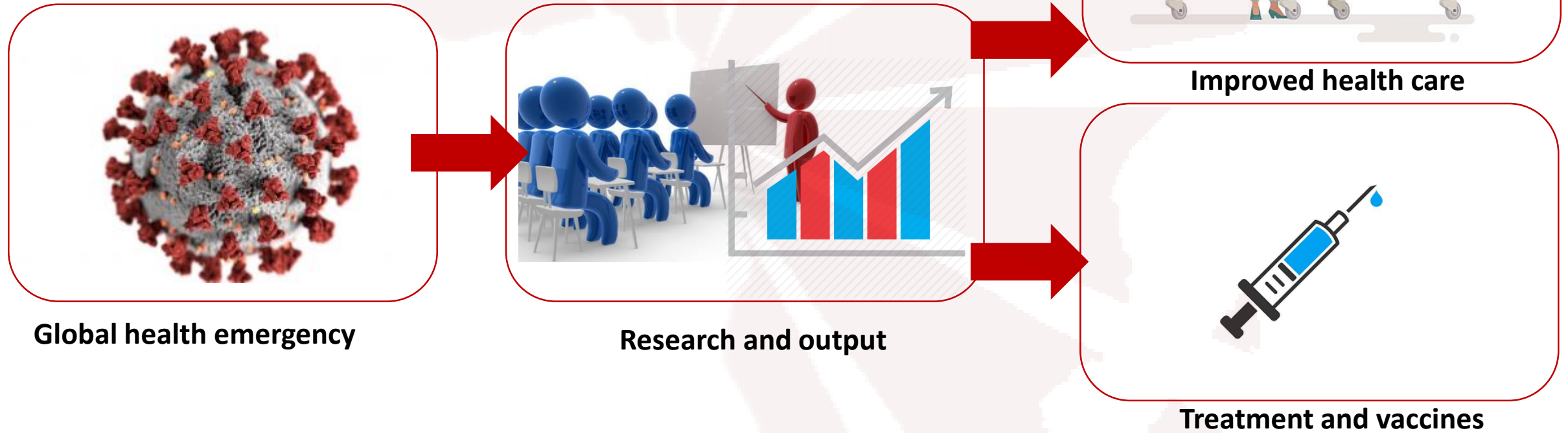
Top 3 comorbidities



Prevalence of comorbidities



Conclusion



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