# Essential National Health Research Agenda, 2026-2030

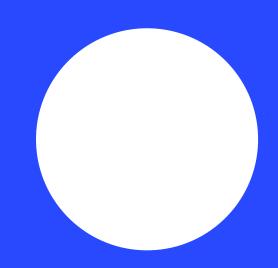
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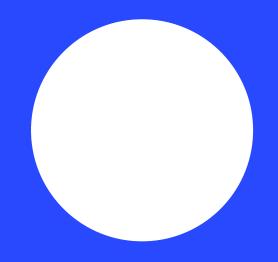
Presentation to ANREC 2025

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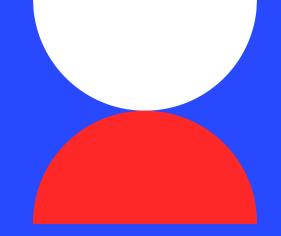


## Essential National Health Research Agenda:

- Guiding principles for advancing health research initiatives
- A Roadmap to a Healthier Future: Access, Equity, Quality, Development
- Solutions to health problems, wellness



## Role in Public Health and Policy



- Health imperatives in National development
  - A healthy population able to spur ALL development\_People centered
  - Health-related people development (health service skills)
  - Health industry indigenous knowledge and resources; meeting population health needs; and resources (benefits to Africa)
  - How much is essential, desirable?

#### Influencing Public Health Strategies <a href="Implementation">Implementation</a> Research

Health research priorities guide the development of effective public health strategies tailored to community needs.

#### **Resource Allocation**

Effective health research identifies key areas for resource allocation, ensuring optimal use of funding and efforts.

#### **Stakeholder Engagement**

Health research informs and engages stakeholders, promoting collaborative efforts to enhance public health outcomes.

## Importance of Health Research Priorities



#### **Understanding Health Research Priorities**

Health research priorities focus on critical areas that can significantly improve health outcomes and address pressing health issues.

#### **Resource Allocation**

Identifying health research priorities allows for effective resource allocation, ensuring funding and efforts are directed where most needed.

#### **Addressing Pressing Health Issues**

Health research priorities help spotlight the most pressing health issues, driving research and interventions to tackle them promptly.

Community-catastrophic health expenditure

#### Consultative process

- Setting up the technical team:
   MoH, UNHRO, and ACRES
- Concept & proposal development
- Presentation of proposal & budget
- Stakeholder mapping
- Set up stakeholder committees (task force and advisory group)

Phase I: Planning
Phase

#### Phase II: Situation analysis

- Document analysis
- Mapping research gaps
- Survey with mixed methods
- Stakeholder workshops

- Priority matrix
- Modified delphi approach
- Analysis of health research priorities

Phase III: Priority Setting

- Validation Workshop
- Review and update the draft research agenda
- Endorsing and approval at the MoH

Phase IV: Validation

#### Phase V: Dissemination & Implementation

- Dissemination: Launch, publication, evidence briefs, series of manuscripts, conferences, webinars, workshops, blogs, podcasts, and social media.
- Develop implementation plan

Fig 1. Schematic showing the proposed phases of the research agenda development process



No 1.Maternal, sexual and reproductive health, Adolescent and Child health, -SURVEILLANCE AND HEALTH PROMOTION

No 2.Infectious Diseases and communicable diseases, including HIV, Malaria, TB, Emerging and Re-emerging Diseases, and One Health, AMR

**No 3 Health systems research** (Human resources, Professionalism, education, bio ethics, operations, effectiveness, efficiency, use of evidence, IT) — IMPLEMENTATION RES

**No 4..Non-communicable diseases** including diabetes, cardiovascular diseases, nutrition, lifestyles, Cancer

No 5 Environmental health, including climate change, sanitation borne illnesses

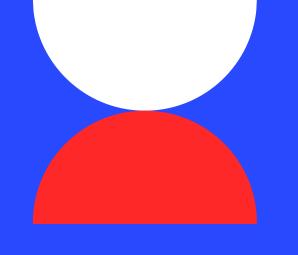
No 6.Mental health and behavioral research

Priority in Descending Order No 7 Community Health including Public health, Regulations and Standards, legal and Primary Health Care, Community Engagement Strategy

No 8 Traditional medicine -innovations, interventions, biodiversity

No 9 Innovations, technology and science including new tools, products, interventions, basic sciences, diagnostics, vaccines, biotechnology/biosecurity, digital tools, anti-microbial resistance

No 10 Global Public Health Threats, including Emergency



## Maternal and Child Health

RESEACH QUESTIONS

### Maternal and Child Health

- Promotion and Prevention and Management Strategies



- -Increasing awareness about MCH health to help communities understand the importance of early preventive interventions and available resources.
- Understanding of main causes morbidity and mortality in communities and how best to address them
- Risk factors and dynamics to support preventive strategies and primary care
- -Supporting Early Intervention
- Supporting early intervention strategies can significantly improve outcomes for individuals experiencing mental health challenges.
- Seek tools fto promote community engadgement and mobilization for health and wellbeing in theircommunities



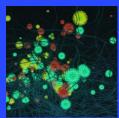
### Infectious Disease Control

# Prevention and management Endemic Diseases- Malaria, TB, HIV



#### **Understanding risk factors**

Scope, extent, prevention and management



#### **Transmission Dynamics**

Studying transmission dynamics helps in predicting how diseases spread and informs prevention strategies.



#### **Targeted treatment options and Interventions**

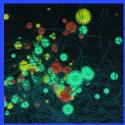
Developing targeted interventions allows public health officials to respond swiftly and efficiently to outbreaks.

#### Emerging and Re-Emerging Infectious Diseases



#### Importance of Research

Understanding emerging and re-emerging infectious diseases is vital for effective public health responses to outbreaks.-Zoonosis? enablers



#### **Transmission Dynamics**

Studying transmission dynamics helps in predicting how diseases spread and informs prevention strategies.-ECOSYSTEM AND ENABLERS



#### **Targeted Interventions**

Developing targeted interventions allows public health officials to respond swiftly and efficiently to outbreaks.



## Antimicrobial Resistance



#### **Public Health Challenge**

Antimicrobial resistance poses a serious threat to global health, complicating the treatment of infections.



#### **Understanding Mechanisms**

Research focuses on the mechanisms of antimicrobial resistance to develop effective treatment strategies.



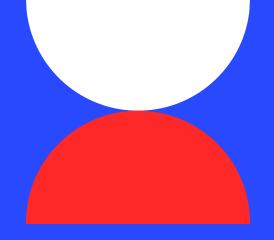
#### **Combating Resistant Infections**

Developing new strategies and therapies is crucial to effectively combat resistant infections and ensure public safety.



### Non communicable Diseases-Prevention and Management

#### Research on NCDs Diseases





#### **Understanding Risk Factors**

Research focuses on identifying various risk factors that contribute to cardiovascular diseases, such as lifestyle and genetic predispositions.

#### **Improving Treatment Options**

Ongoing studies aim to enhance treatment options available for patients with cardiovascular diseases, ensuring better health outcomes.

#### **Developing Preventive Strategies**

Efforts are underway to develop effective preventive strategies aimed at reducing the incidence and mortality rates of cardiovascular diseases.

#### Research on Mental Health Disorders



#### **Understanding Prevalence**

Research helps identify how common mental health disorders are within different populations, essential for effective policy making.

#### **Identifying Risk Factors**

Understanding risk factors associated with mental health disorders can lead to more targeted prevention strategies.

#### **Improving Treatment Outcomes**

Research focuses on developing and evaluating intervention strategies to improve treatment outcomes for individuals with mental health disorders.

# Health Systems and Policy Research

## Health Economics and Financing

#### **Resource Allocation**

Efficient resource allocation is crucial for optimizing healthcare systems and ensuring that resources meet patient needs effectively.

#### **Cost-Effectiveness Analysis**

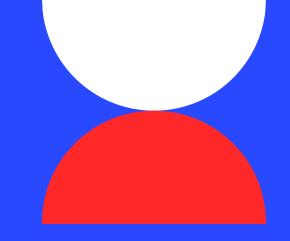
Cost-effectiveness analysis helps determine the best interventions by comparing their costs with health outcomes.

#### **Sustainable Financing Models**

Financial models that support sustainable healthcare systems are essential for long-term health outcomes and efficiency.



# Policy Development and Implementation and Community Engagement



#### **Evaluating Health Policies**

Effective health policies are crucial for addressing public health needs and ensuring better health outcomes for the population.Implementation Research

#### **Population Needs Assessment**

Regular assessments help identify the health needs of the population, leading to better-informed policy decisions.Community Diagnosis

#### **Impact on Health Outcomes**

Well-developed policies can significantly improve health outcomes, ensuring access to essential health services for all . E.g Vaccination and Immunization Strategies,

**Community Diagnosis and Engagement** 



# Technological Innovations in Health

## Digital Health and Telemedicine, and Al



- Revolutionizing Healthcare Access
- Digital health technologies are improving access to healthcare services, especially for remote populations.
- Remote Patient Monitoring
- Telemedicine enables continuous monitoring of patients' health conditions from the comfort of their homes.
- Improving Health Outcomes
- By leveraging technology, telemedicine enhances health outcomes through timely interventions and consultations.
- Biotechnology and Genomics Insights into Disease Mechanisms
- Biotechnology and genomics provide critical insights into how diseases develop and progress at the molecular level.
- Potential Treatments
- Research in biotechnology and genomics opens up new avenues for developing effective treatments for various diseases.
- Artificial Intelligence in Healthcare- Improve Diagnostics, Care,

## Artificial Intelligence in Healthcare



#### **Enhanced Diagnostics**

Al is improving diagnostic accuracy by analyzing medical data and identifying patterns that may be missed by human clinicians.

#### **Treatment Planning**

Al assists in creating personalized treatment plans by analyzing patient data and predicting outcomes, leading to better patient care.

#### **Patient Management**

Al technologies are streamlining patient management processes, improving workflow efficiency, and enhancing patient engagement.

## Biotechnology and Genomics

Insights into Disease Mechanisms
Biotechnology and genomics provide critical insights into how diseases develop and progress at the molecular level.

#### **Potential Treatments**

Research in biotechnology and genomics opens up new avenues for developing effective treatments for various diseases.



#### Conclusion

#### Health Research Top 10 ENHR

The national research priorities serve as a strategic roadmap for tackling key health challenges effectively.

#### Focus on MCH Diseases

Addressing MCH /Adoles diseases is crucial for improving health outcomes and reducing healthcare costs in the long term.

#### Infectious Disease Mal, HIV, TB, UTI,

Prioritizing research on infectious diseases helps safeguard public health and control outbreaks effectively.

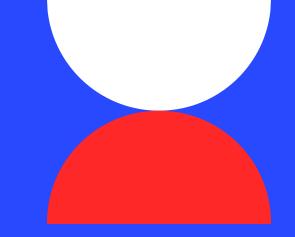
#### NCD and Mental Health

-Focusing on
NCDs and mental
health is essential
for overall
wellbeing and
requires innovative
approaches and
resources.

- -Digital Health and Telemedicine
- -Biotechnology and Genomics
- -Artificial Intelligence in Healthcare planning
- -Community
  Healthunderstanding –
  and Community
  Diagnosis

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**UNCST** 

NDA

UAC

**TASO** 

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