



**Karolinska  
Institutet**

# **Prioritization of gamechangers in MNCAH and Nutrition**

**Ranking of global R&D priorities**

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# **The primary objective of MNCH Scientific and Technical Advisory Group (STAGE)**

To identify priority topics and gaps across research, policy and implementation issues, generate consensus on discordant topics, and to improve the implementation of intervention packages in countries such as to advance primary health care within the WHO Universal Health Coverage agenda.

# STAGE Criteria for Prioritization of gamechangers in MNCH

- **High magnitude of the problem** on mortality and/or well-being, **holding back progress** on MNCAHN related SDG targets.
  
- **Critical gaps in the current global response** in evidence, policy, implementation, lack of consensus on strategy, or size of investment
  
- **Possible actions to address the problem** with the following characteristics:
  - Evidence of effectiveness and or cost-effectiveness, or a strong possibility of developing effective actions
  - High feasibility of implementation at scale, including affordability in low resource settings
  - Likelihood of a positive impact of the actions on closing inequity gaps

## Step 1. Soliciting inputs for prioritization of MNCAHN topics

- What priority issue would do you believe would be **transformative or a ‘game changer’** and would have a large impact on maternal, newborn, child and adolescent mortality and/or well-being?
- Why is this an important topic in MNCAHN? What are the **critical gaps in the current global response** to the problem/issue?
- How would this issue be addressed? **What actions do** you believe would be effective in addressing the problem/priority issue; would be feasible to scale up and reduce inequities?

# Shortlist for Ranking by MNCH STAGE 2022

1. Care in fragile and conflict settings
2. Impact of climate change
3. Oxygen systems
4. Wasting
5. Role of networks of care
6. Midwifery led continuity of care
7. Post neonatal mortality
8. Hospital-based newborn care
9. Chlorhexidine implementation
10. Innovations in maternal care medicine/devices
11. Using technology to improve referral links
12. Adolescent/child mental health

## STAGE Priority Short List of MNCAHN Topics



1. Care in fragile and conflict settings; And Refugee crisis in LMICs with limited resources.

- Attention to MNCA health in FCV settings exacerbated during Covid. Require evidence and guidelines for FCV settings; private sector engagement to improve equitable coverage; increased budgetary allocations in countries.

## STAGE Priority Short List of MNCAHN Topics



2. Impact of climate change (heat), air pollution on MNCAH and nutrition

Insufficient research focusing on health impacts of climate change and heat on health, especially on MNCAH in low- and middle-income countries. Impact of air pollution (indoor and outdoor) is not well understood.

## STAGE Priority Short List of MNCAHN Topics



- A time-limited opportunity to leverage a current substantial investment in medical oxygen provision and the proliferation of pulse oximetry for early detection of low levels of oxygen in the blood (hypoxemia).

3. Leveraging COVID-19 investments in oxygen systems to benefit MNCH



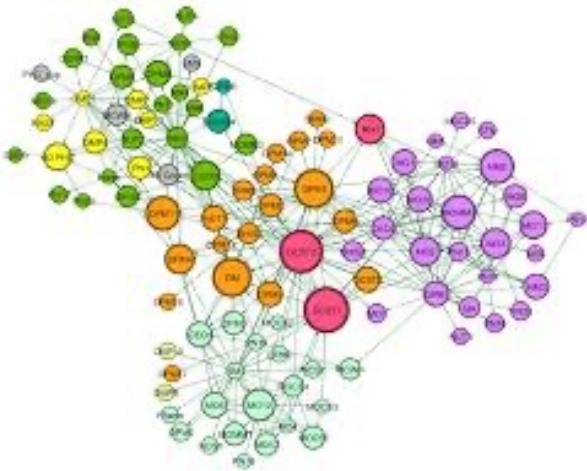
## STAGE Priority Short List of MNCAHN Topics



- Use new evidence for guidelines; Harmonizing implementation of guidelines across UN

4. Wasting; Revisiting risk stratification criteria

## STAGE Priority Short List of MNCAHN Topics



### 5. Role of networks of care on MNCH outcomes

- Focus on ways to optimize the use of various types of health workers (midwives, nurses, physicians)
- Staffing models of nurse health workforce in LMICs

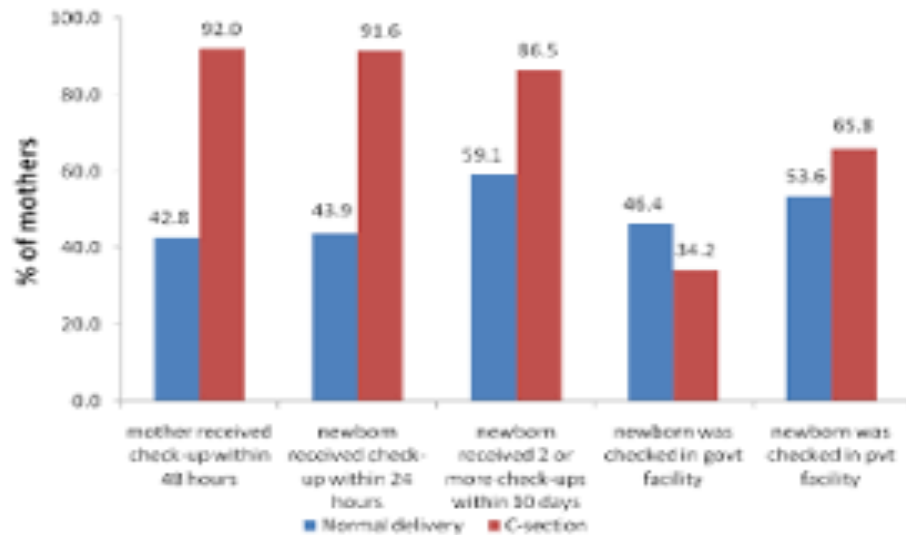
## STAGE Priority Short List of MNCAHN Topics



- Out of hospital care for pregnancy, birth, and the postpartum period

6. Midwifery led continuity of care (MLCC)

## STAGE Priority Short List of MNCAHN Topics



### 7. Post neonatal mortality

- Post neonatal mortality and factors leading to inequity of resource allocation. Need for analysis of fund flow and require investment in evidence-based approaches.

## STAGE Priority Short List of MNCAHN Topics



### 8. Hospital-based newborn care

- Small and Sick Newborn Care; Embedding Kangaroo Mother Care and other interventions as an integral package for SSNB.

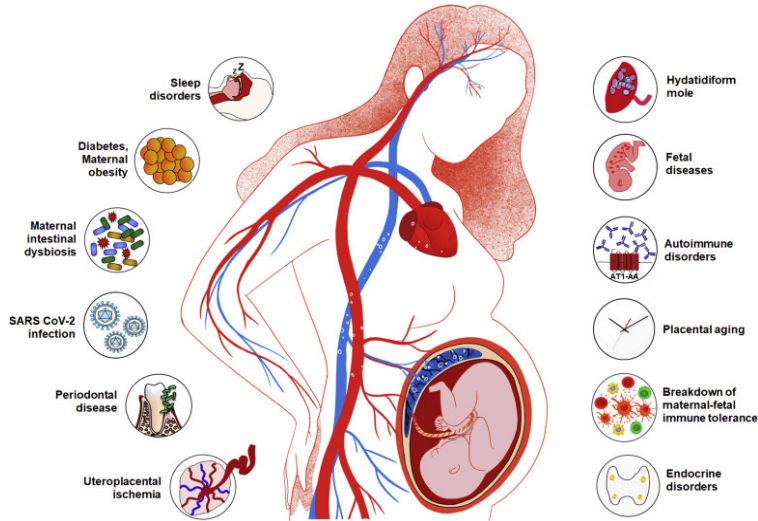
## STAGE Priority Short List of MNCAHN Topics



- Opportunity to review evidence & progression of the intervention and effectiveness. Consolidation of current data and reasoning behind change of guidelines; develop voice & harmonization for UNICEF, WB, GFF

9. Chlorhexidine.  
Aligning the global  
community.

# STAGE Priority Short List of MNCAHN Topics



- In the past 20 years, our understanding of the mechanisms of pre-eclampsia and eclampsia has changed significantly and there are potential targets for preventing and treating PE/E that could be game-changing

10. Innovations in maternal care both for medicine or devices

## STAGE Priority Short List of MNCAHN Topics



11. Using technology to improve referral links

- Communications systems to connect community health workers with the next level of care are needed as well as a systems approach to facility triage.



## STAGE Priority Short List of MNCAHN Topics



### 12. Mental Health - Children and Adolescents

- Covid 19 pandemic has raised the need of mental health services for children and adolescents
- Need for Mental Health guidelines for children and adolescents

## STAGE Priority Short List of MNCAHN Topics



### 13. Mental health -- Maternal health

- Mental health counseling referrals to address postpartum depression, maternal mental health remains absent from large scale maternal and child health policies, guidelines, initiatives, and programs

## Step 2: Ranking of priorities by participants

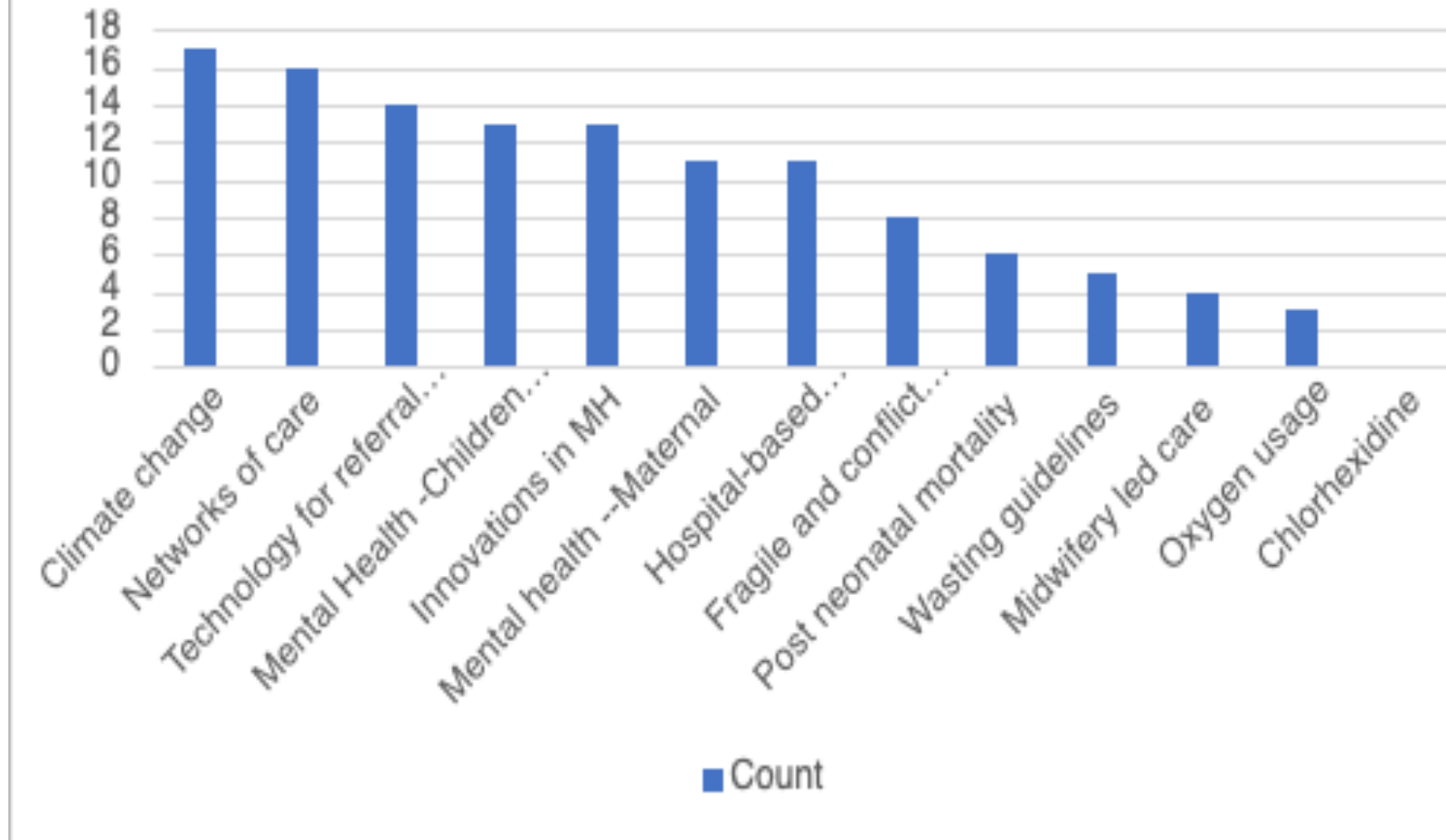
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# Ranking of global MNCAHN priorities by KI

GO TO [www.menti.com](https://www.menti.com)

Enter: 32230676

## MNCAHN Priority topics



## And the winner is...

- Climate change
- Networks of care
- Technology for referral links
- Mental health children/adolescents
- Innovations in MNCH

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# How aligned is KI Global Health with global R&D priority challenges?