



Accelerating electrification of healthcare facilities with sustainable energy

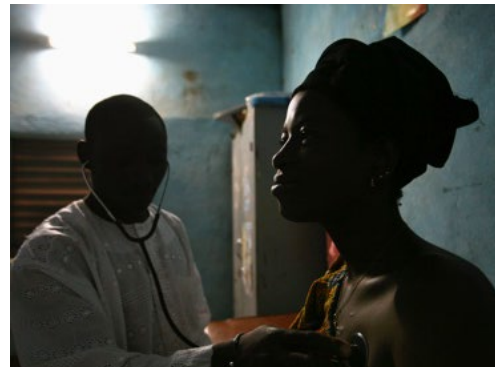
MS information session – 21 September 2022

Lack of electricity in healthcare facilities

1 billion people globally are still served by healthcare facilities without electricity

About one in four HCFs in SSA with no access to electricity, particularly in rural areas

Even when electricity is available, it is often not reliable



Health & Energy Platform of Action - HEPA



The Health & Platform of Action (HEPA) aims to increase cooperation between the health and energy sectors to accelerate electrification of HCFs and access to clean cooking.

Key HEPA objectives:

- Mobilising **political commitment, support and resources**;
- Promoting the development of **global and country implementation roadmaps**;
- Identifying significant actions and **initiatives** with relevant stakeholders, with the overall objective of **generating action and maximizing impact** on the ground;
- Conducting **advocacy and outreach** related to relevant SDGs;
- Promoting an **interdisciplinary approach**, engaging a variety of stakeholders at the global, regional and national level and building on existing initiatives, while avoiding duplication of efforts, fostering alignment and creating strong synergies.

<https://www.who.int/initiatives/health-and-energy-platform-of-action>

HEPA Conveners:



in cooperation with:



High-Level Coalition on Health and Energy

Two priority areas:

- Electrification of healthcare facilities
- Clean cooking

Energizing Health

A Strategic Roadmap to promote healthier populations through clean and sustainable energy

High-Level Coalition on Health and Energy



The links between energy and health have never been more important than today. The climate crisis, which is increasingly severe

issue, and current projections predict health. Clean and sustainable energy. In this context, there are two key areas and technologies for cooking, and

Some 3 billion people are exposed daily due to the lack of access to electricity to household air pollution is a leading cause of preventable diseases (including heart disease), as well as pneumonia. Inefficiency by all populations but a particular: Urgent action is needed to scale up Development Goals on health, gender and the future negative effects of the human right to health.

At the same time, an estimated 1 billion people lack access to electricity. Electricity is needed for medical devices, such as for diagnostic equipment, as well as for health services. In addition, as highlighted by the ongoing COVID-19 pandemic, access to electricity can improve health coverage and reduce preventable deaths. We call on national governments to ensure that all people have access to safe and clean energy services.

We are deeply concerned about the impact of climate change on health and the potential represented by modern clean energy. We hereby call on national governments to take action, and to urgently undertake the following:

1 Consider clean cooking and access to electricity in healthcare facilities two priorities. It is essential to protect public health and mitigate climate change. In this context, clean cooking must be seen as a critical element of disease prevention and should be integrated into national strategies targeting noncommunicable and communicable disease prevention and control. Similarly, access to electricity must be considered a necessity for all healthcare facilities, including those providing primary healthcare services as well as critical medical devices. National health sector planning, budgeting and financing should be driven by clean and renewable energy.

2 Dramatically increase public and private investment in clean cooking, taking into account coverage and ensure healthier population mobilization as well as involvement of the private sector to set healthcare electrification and clean cooking targets to meet these targets. At the same time, communities should consider these issues in their source allocation accordingly.

3 Provide the necessary human and financial resources to ensure that clean cooking and electricity plans and sustainable delivery of health services can be delivered to all, with particular attention to vulnerable situations.

4 Develop tailored policy and financing mechanisms for clean cooking and electricity solutions, address the growing market of decarbonization. In this context, the growing market of decarbonization present a key opportunity to provide clean energy for all, without discrimination, and to improve health. The involvement of all stakeholders is essential to design and implement effective, sustainable and

5 Increase cooperation between the relevant stakeholders. Electricity access is the responsibility of only one sector and clean cooking is needed and can only be achieved if it works together in a coordinated manner at getting, and implementation. In particular, strengthening institutional framework, to unite all synergies among them, particularly including among others.

6 Facilitate collaboration between partners of the challenge, and its urgent nature, for forging partnerships between different countries and a participatory process involving the affected vulnerable situations. Only this collaborative opportunity offered by clean and sustainable energy. We all know that the solutions exist, and we must make this happen, keeping in mind that it is essential to be bold and take action together to ensure clean and sustainable energy for public health.

International Organizations

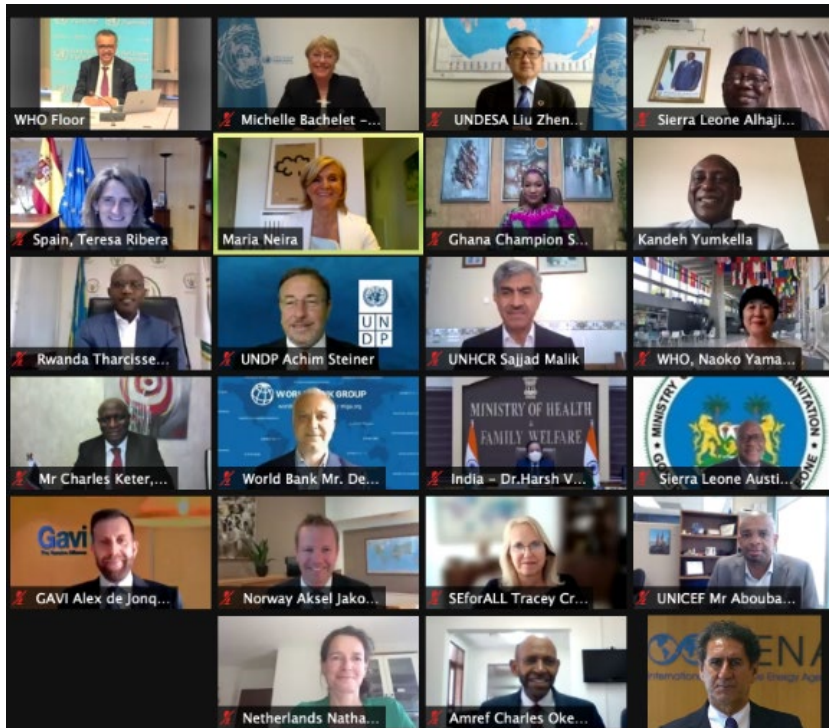
- World Health Organization (WHO)
- United Nations Development Programme (UNDP)
- United Nations Department of Economic and Social Affairs (UNDESA)
- World Bank
- International Renewable Energy Agency (IRENA)
- United Nations High Commissioner for Human Rights (OHCHR)
- United Nations High Commissioner for Refugees (UNHCR)
- United Nations Children's Emergency Fund (UNICEF)
- GAVI, The Vaccine Alliance
- Sustainable Energy for All (SEforALL)
- Amref Health Africa
- The Rockefeller Foundation
- Clean Cooking Alliance (CCA)
- International Network on Gender & Sustainable Energy (ENERGIA)

Ministries

- Ministry of Energy, Ghana
- Ministry of Health and Family Welfare, India
- Ministry of Energy, Kenya
- Ministry of Energy and Mines, Lao People's Democratic Republic
- Ministry of Health, Lao People's Democratic Republic
- Ministry of Health and Population, Nepal
- Ministry of International Development, Norway
- Ministry of Health, Rwanda
- Ministry of Energy, Sierra Leone
- Ministry of Health & Sanitation, Sierra Leone
- Ministry for the Ecological Transition and Demographic Challenge, Spain

Global Champions

- Ms Samira Bawumia, Second Lady, Ghana
- Dr Kande Yumkella, Member of Parliament, Sierra Leone



Energizing Health - A Strategic Roadmap to promote healthier populations through clean and sustainable energy

endorsed by the High-level Coalition on Health & Energy on 9 June 2021



Health and Energy
Platform of Action

Six Priority Actions

Consider electricity access and clean cooking development priorities

Dramatically increase public and private investments

Provide the necessary human and financial resources to design and implement clean energy plans

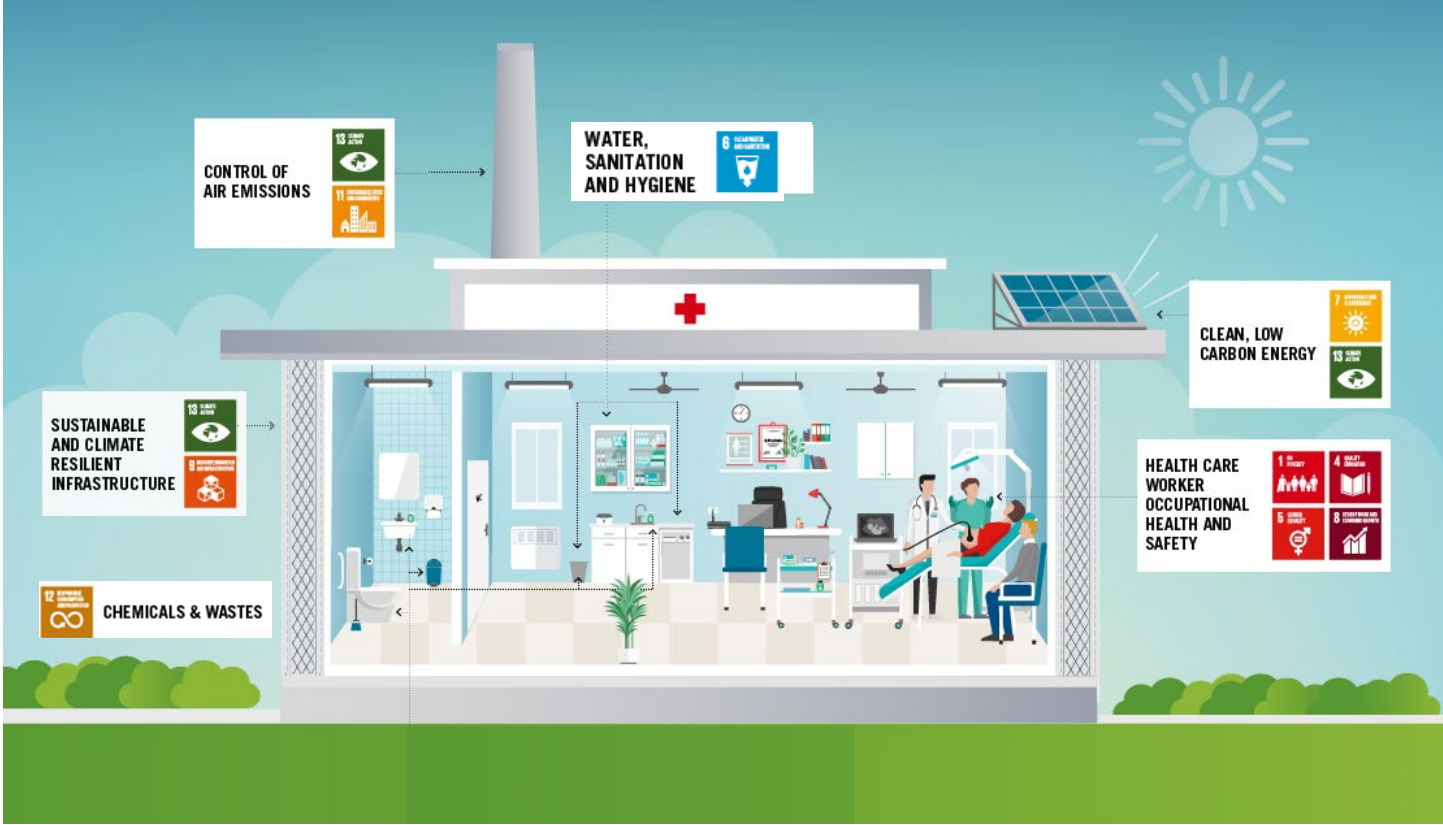
Develop tailored policy and financing schemes

Increase intersectoral cooperation

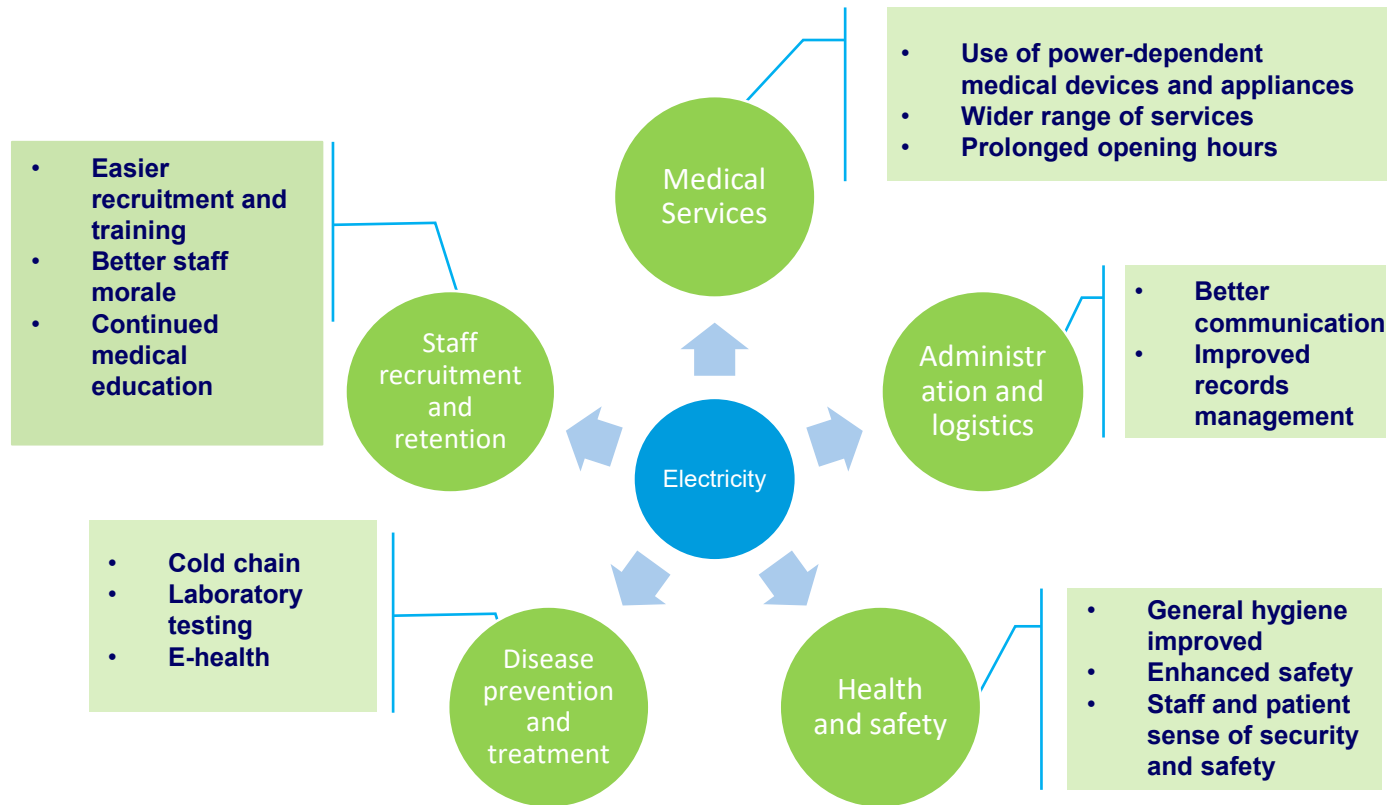
Facilitate collaboration between public, private, and non-governmental actors

www.who.int/initiatives/health-and-energy-platform-of-action

Sustainable energy for healthcare: looking beyond SDG3 and SDG7



Importance of electricity for health services



- **Easier recruitment and training**
- **Better staff morale**
- **Continued medical education**

- **Use of power-dependent medical devices and appliances**
- **Wider range of services**
- **Prolonged opening hours**

- **Better communication**
- **Improved records management**

- **Cold chain**
- **Laboratory testing**
- **E-health**

- **General hygiene improved**
- **Enhanced safety**
- **Staff and patient sense of security and safety**

Accelerating electricity access in HCFs through sustainable energy



Key activities

**Health & Energy
Platform of Action**

**Global assessment
of electricity in HCFs**

**Techno-economic
analyses**

**Country support
& partnerships**

- + *Advocacy and communication material*
- + *Cooperation with other WHO Departments*
- + *Development of strategic documents (e.g. Strategic Roadmap to promote healthier populations through clean and sustainable energy)*

Energizing health - Accelerating Electricity access in healthcare facilities



The '**Energizing health- Accelerating electricity access healthcare facilities**' report aims to provide an authoritative, comprehensive, and up-to-date view of the state of electricity access in healthcare facilities.

The report, to be published in November 2022, intends to:

- **Draw attention** to the lack of electricity (and of reliable electricity) in HCFs and on the opportunities provided by sustainable energy solutions;
- **Provide a benchmark** against which progress in electrifying healthcare facilities can be measured;
- Highlight lessons and best practices on **enabling frameworks** to accelerate electricity access in healthcare facilities;
- **Identify key actions and investments** required to achieve universal health facility electrification.

The report will build on a WHO **database** under development, which will include multiple indicators (access to electricity, access to reliable electricity, electricity sources, etc.).

Report partners: WHO, World Bank, SEforALL, IRENA

Techno-economic options for electrification of HCFs

Analysis of techno-economic options for electrification of healthcare facilities in low resource settings, based on sustainable energy solutions

- Support the development of **energy needs assessments** in HCFs, taking into consideration different types of facility and services provided.
- Identify the most appropriate **design** options to provide decentralized sustainable energy systems in HCFs.
- Highlight pros and cons of different options, including in terms of **costs, feasibility, long term sustainability**.
- Support different **implementation phases** (planning & assessment, implementation, monitoring & evaluation).

