CDSS

CoP

report

The annual report from the Clinical Decision Support Systems Community of Practice

gdhub
Geneva Digital Health Hub

EXECUTIVE SUMMARY

The Clinical Decision Support Systems Community of Practice (CDSS CoP) brings together like-minded organizations to share resources and best practices to foster collaboration, improve services, and promote knowledge exchange in the CDSS field.

CDSS CoP snapshot 📷

17 Core Group members
19 CDSS projects
40 implementations
24 countries
300M people served

Originating from the eIMCI Working Group, the CDSS Community of Practice (CoP) was formally launched in February 2023. Rooted in Switzerland and active in resource-constrained settings, the CoP is led by Terre des Hommes (TDH), the Swiss Tropical and Public Health Institute (Swiss TPH), and Doctors Without Borders/Médecins Sans Frontières (MSF) and is hosted by the Geneva Digital Health Hub (gdhub), a hub established at University of Geneva to catalyse digital health implementation and knowledge sharing.

The CDSS CoP is founded on the shared belief that collaboration is essential to overcome fragmentation, duplication of efforts, and gaps in evidence that limit the impact and sustainability of CDSS initiatives worldwide.

In 2025, the community focused on **diversity, accountability and visibility**, supporting the engagement of new participatory organisations. In June, the **CDSS CoP Core Group** was launched with the core mission of building lasting and valuable connections among its members.

Key Activities and Achievements
- **Expanded governance** from a 4-member Core Team to a 17-member Core Group, representing 19 projects and nearly 40 implementations across more than 20 countries. The group fosters peer exchange, collaboration, and shared problem-solving on CDSS implementation challenges.
- **Expanded the CDSS knowledge base** and mapping projects to generate actionable insights on the Digital Health Atlas.
- **Generated evidence** through research, including a PhD on mapping and analyzing knowledge-based CDSS, with a focus on sustainability.

Table of contents

Abbreviations

CDSS	Clinical Decision Support Systems
CoP	Community of Practice
IMCI	Integrated Management of Childhood Illness
Swiss TPH	Swiss Tropical And Public Health Institute
gdhub	Geneva digital health hub
TDH	Terre des hommes
MSF	Médecins Sans Frontières
ICRC	International Committee of the Red Cross
NCDs	Non Communicable Diseases
RCH	Reproductive and Child Health
RMNCH	Reproductive, Child, Maternal, and Neonatal Health

Team & Governance

There are 3 organizations in the Core Team. The gdhub is acting as the host institution providing support in the management of the Community of Practice.

The core team dedicated time to establishing and defining the CDSS CoP key workstreams perceived as critical to fostering ecosystem shifts in the CDSS space.

IEDA

Kallol Mukherji

TDH

Terre des hommes
Aide à l'enfance.

MSF E CARE

Nan Hsin Chang

MSF

MEDECINS SANS FRONTIERES

CDSS PORTFOLIO

Talia Salzmann

SWISS TPH

Swiss TPH
Swiss Tropical and Public Health Institute
Schweizerisches Tropen- und Public Health-Institut

COMMUNITY MANAGER

Sophie Delaigue

GDHUB

gdhub
Geneva Digital Health Hub

Core Group

The Core Group represents a diverse coalition of practitioners, researchers, and innovators in the field of CDSS.

Rebecca Litner

D-TREE

ALMANACH

Melissa Harper

ICRC

COMBACAL

Elise Saavedra

SWISS TPH

COMBACAL

Fabian Raeber

UNIVERSITY OF BASEL

MEDPLAT

Kunjan Patel

ARGUSOFT

MEDPLAT

Rohit Soni

ARGUSOFT

NEOTREE

Rachel Poffley

UNIVERSITY COLLEGE LONDON

NEOTREE

Aditi Rao

IMPERIAL COLLEGE

WAKOBO

Jérémie Hien

ALIMA, INSERM/BORDEAUX UNIVERSITY
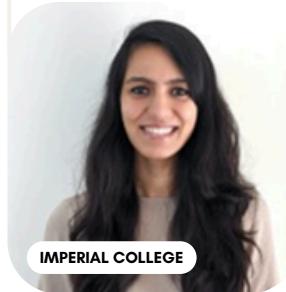
MAMAOPE MEDICALS

Brian Turyabagaye

MAMAOPE MEDICALS

NOVIGUIDE

Joshua Bress

GLOBAL STRATEGIES

WAKOBO

Cécile Cazes

ALIMA, INSERM/BORDEAUX UNIVERSITY

MAMA OPE MEDICALS

Martin Balaba

INFECTIOUS DISEASE INST

2025 strategic priorities

The CDSS CoP has focused on three strategic priorities : Diversity, Accountability and Visibility.

01 ——— Diversity

After two years of community development, the CDSS CoP expanded its governance by **opening the Core Group to additional projects**. This change aimed to better reflect the diversity of the CDSS ecosystem. The community now includes a wider range of health topics beyond IMCI (Integrated Management of Childhood Illness), along with broader geographic representation, organizational diversity, and varied professional backgrounds.

02 ——— Accountability

In 2025, the CDSS CoP strengthened accountability by **documenting member projects and related publications** on the Digital Health Atlas. The community also linked ongoing work on CDSS between Neotree and Swiss TPH, helping reduce duplication and build synergies. This collaboration will continue in 2026 to strengthen the evidence base for CDSS implementation.

03 ——— Visibility

In 2025, increasing the visibility of CDSS work within the community was a major priority. The CDSS CoP encouraged members to exchange experiences, helping make shared knowledge more accessible. This **reinforced the Core Group,** promoted knowledge sharing, reduced project silos, strengthened ecosystem ties, supported learning together, and clarified common challenges.

Activities

The group has planned a series of meetings over the next 18 months.

June 2025
Kick-off meeting

July 2025
- D-Tree presentation
- CDSS mapping of projects (Talia)

September 2025
- MEDPlat Presentation
- Mapping update

November 2025
Core Team presentation :
IeDA, MSF eCare, SysRef/Sanu-TD, EPOCT+, TIMCI, Dynamic, ALMANACH, WHO SMART guidelines, ETAT

January 2026
- Neotree
- Technical discussion : Interoperability

March 2026
- ComBaCal
- Technical discussion : User-centered design

May 2026
- Noviguide
- Technical discussion : Evidence Generation

July 2026
- Almanach (ICRC)
- Technical Discussion : Business model

September 2026
- MamaOpe
- Deliverables of the group

Key results

The CDSS CoP is using the <u>Digital Health Atlas</u>, a global repository in collaboration with the World Health Organization, aiming to make digital health implementation knowledge a public good.

The CDSS CoP supports the expansion of the practice-based implementation insights on the Digital Health Atlas.

01 — Expanding the CDSS Knowledge base

• 103 "Decision Support" projects are documented on the Digital Health Atlas, including 35 implementations from this group.

• Half of the projects in the <u>Digital Health Atlas</u> with documented **insights** are CDSS. The group played a major role in improving the **quality and completeness of the database**.

• The mapping methodology to study the sustainability of CDSS has been revised by the group, and data collection is now underway to expand the CDSS mapping of projects.

02 — Fostering collaboration among CDSS stakeholders

The CDSS CoP followed the defined meeting schedule, convening in June, July, September and November with strong attendance across sessions. These regular meetings supported ongoing **engagement and trust-building** among members. Meeting notes were shared with the group, strengthening accountability and internal knowledge exchange.

CDSS CoP Projects (1/2)

Explore the CDSS projects implemented by the CDSS Community of Practice and documented on the Digital Health Atlas. You can also add your projects and get visibility.

Maternal and child health

Wakoko ti Kodro

📍 Central African Republic

🖥️ Decision Support, Community...

Sexual and Reproductive Heal...
Primary Health Care
+7 more

DDD PHMP powered by MEDplat

📍 India

🖥️ Community-based informatio...

Sexual and Reproductive Heal...
Primary Health Care
+6 more

TeCHO+ powered by MEDplat

📍 India

🖥️ Community-based informatio...

Ophthalmology
Primary Health Care
+4 more

ImTeCHO 2.0 powered by MEDplat

📍 India

🖥️ Community-based informatio...

Sexual and Reproductive Heal...
Primary Health Care
+6 more

eKavach powered by MEDplat

📍 India

🖥️ Community-based informatio...

Sexual and Reproductive Heal...
Primary Health Care
+3 more

i-MoMCARE powered by MEDplat

📍 Cambodia

🖥️ Community-based informatio...

Sexual and Reproductive Heal...
Maternal and child health

Afya-Tek. Digital referral and decision support system...

📍 Tanzania

🖥️ Community-based informatio...

Maternal and child health

Neotree

📍 Zimbabwe, Malawi

🖥️ Decision Support, Learning an...

Maternal and child health

DYNAMIC

📍 Rwanda, Tanzania

🖥️ Decision Support

CDSS CoP Projects (2/2)

Maternal and child health

IeDA

📍 Burkina Faso

🖥 Decision Support

Vaccination / Immunization

Others   **+2 more**

Jamii ni afya

📍 Tanzania

🖥 Decision Support, Predictive h...

Non-communicable diseases ...

Primary Health Care

ComBaCaL (Community-Based chronic Care Lesotho)

📍 Lesotho

🖥 Decision Support

Maternal and child health

ALMANACH

📍 Somalia, Libya, Nigeria

🖥 Decision Support

Maternal and child health

Noviguide module newborn

📍 United States of America, Sou...

🖥 Decision Support

Maternal and child health

MSFeCARE electronic Clinical Algorithms and REcommendations

MSFeCARE

📍 Democratic Republic of the Co...

🖥 Decision Support

Maternal and child health
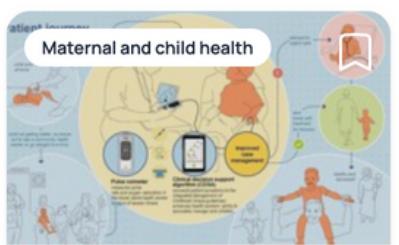
Tools for Integrated Management of Childhood...

📍 Tanzania, Senegal, Kenya, India

🖥 Decision Support

Sexual and Reproductive Heal...

Emergencies   **+3 more**

SMART Guidelines

SMART Guidelines

📍 Switzerland

🖥 Decision Support, Learning an...

Primary Health Care

Maternal and child health

+2 more

SysRef / SANU-TD

📍 Chad

🖥 Decision Support

CDSS CoP Implementations

The CDSS CoP includes over 19 projects across 24 countries, serving 300 million patients.
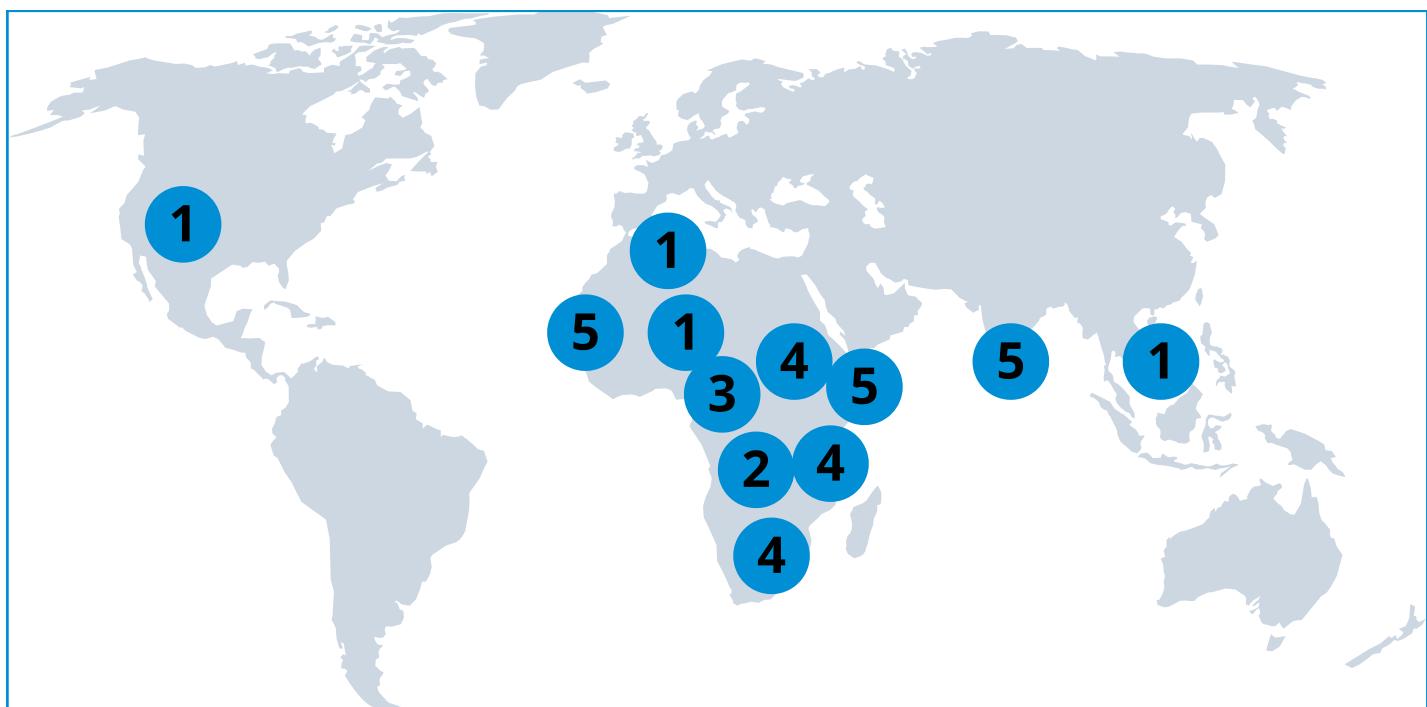
CDSS CoP implementations map. *Some projects appear in several countries; the same program in different places counts as a separate implementation because partners and conditions vary. For a more interactive view, visit the Digital Health Atlas.*

Details on projects

CDSS	Lead organization(s)	Health Topic	Countries, Scale, Dates
Sys Ref	Swiss TPH	Refugee health	**Chad**
MamaOpe	MamaOpe	Tuberculosis	**Uganda**

CDSS	Lead organization(s)	Health Topic	Countries, Scale, Dates
Afya Tek	D-Tree, Government of Tanzania	Maternal and Child Health	**Tanzania** *Over 300 000 people served*
Almanach	ICRC, Swiss TPH	Maternal and Child Health (IMCI)	**Nigeria, Somalia, Libya**
ComBaCal	SolidarMed	NCDs	**Lesotho** *Over 15 000 people served*
DDD PHMP	U.T. Administration of DNH & DD, Argusoft	NCDs, RCH, Vector-borne disease and more	**India** *500 000 - 1M beneficiaries*
Dynamic	Swiss TPH and partners	Maternal and Child Health	**Rwanda, Tanzania** *700 000 potentially managed*
eKavach	Government of Uttar Pradesh, Argusoft	Maternal and Child Health, NCDs	**India** *Over 5M beneficiaries*
I-MoMCARE	National University of Singapore, Argusoft	Maternal and Child Health	**Cambodia** *500 000 - 1M beneficiaries*
ImTeCHO	SEWA Rural, Argusoft	Maternal and Child Health	**India** *10 000 - 50 000 beneficiaries*
IeDA	Terre des Hommes	Sexual and Reproductive Health, Maternal and Child Health	**Burkina Faso, Guinea** *Over 6M beneficiaries*
Jami Nii Afya	D-Tree, Zanzibar Government	Maternal and Child Health, Immunization	**Tanzania** *Over 1.6 M beneficiaries*
Neotree	Neotree	Maternal and Child Health	**Zimbabwe, Malawi** *60 000 beneficiaries*
Noviguide	Global strategies and more	Newborn Care (0-28 days), Pediatrics, Sexually-transmitted Infections, Intensive Care.	**Democratic Republic of Congo, South Africa, Uganda and United States** *400 000 beneficiaries*
MSFeCare	MSF	Maternal and Child Health, Immunization	**Mali, Sierra Leone, South Sudan, Chad, Kenya, CAR, Tanzania, DRC** *600 000 beneficiaries*
TeCHO+	Government of Gujarat, Argusoft	RMNCH	**India** *Over 5M beneficiaries*
TIMCI	Swiss TPH and partners	Maternal and Child Health	**Tanzania, Senegal, Kenya, India**
Wakoko	Alima, INSERM, Bordeaux University	Maternal Health	**Central African Republic** *Ongoing pilot study*

Conclusion

Reflecting on 2025, the CDSS Community of Practice (CoP) has continued to innovate and break down silos, strengthening collaboration and facilitating knowledge exchange across the CDSS field.

Evidence generation

- Ongoing collaboration with gdhub and Swiss TPH researcher Talia Salzmann on her PhD, documenting and analyzing the sustainability of CDSS initiatives.

- Ongoing work by Aditi Rao (Neotree) on a scoping review of AI-based CDSS projects.

CDSS project mapping

The group made significant contributions to evidence generation, with nearly 40 CDSS implementations documented in the Digital Health Atlas (DHA)—nearly half of all CDSS projects registered—and 19 implementations providing insights, accounting for half of the insights currently available in the DHA.

Community meetings

A defined calendar of meetings, held every two months since June, has facilitated knowledge sharing and discussions on common challenges, fostering collaboration among the group members.

Community members

The CoP platform remains available for members to stay informed and connected. As of 2025, 158 members are registered. A new LinkedIn group is also available to support community exchange and engagement: join the group and invite your CDSS network to participate.

Acknowledgements

This report was developed by the Core Team members :
Sophie Delaigue (geneva digital health hub), **Kallol Mukherji** (Terre des Hommes), **Talia Salzmann** (Swiss Tropical and Public Health Institute), and **Nan Hsin Chang** (Médecins Sans Frontières / Doctors Without Borders).

We also thank the **Core Group members** who joined this year and all the community members for their engagement.

Thank you for your commitment and support as we work to strengthen coordination across the CDSS ecosystem.

LinkedIn group
Digital Health Atlas

Are you involved in CDSS or interested in partnering with the community
Contact : sophie.delaigue@gdhub.org