



# cDMAT Core Group

26 April 2022

Workshop and Bi-annual Meeting



## **Part 1: Milestone discussion (all attendees)**

**Time:** 0830 – 1200

**Vender:** Angkor Hospital for Children

**0830:** All non-AHC attendees meet at AHC's reception.

**0900 – 0915:** Introduction (Lina)

**0915 – 0945:** Milestone discussion (AHC)

**0945 – 1015:** Milestone discussion (SH)

**1015 – 1045:** Milestone discussion (RTI)

**1045 – 1115:** Milestone discussion (CIF)

**1115 – 1200:** Conclusion and proposal for change

**1200 – 1300:** Lunch (at and provided by AHC)



## Part 2: cDMAT Core Group Meeting (Members)

**Time:** 1400 – 2000

**Vender:** Safe Haven

**1400 – 1415:** Introduction (Lina)

**1415 – 1430:** Post-workshop feedback and discussion (all)

**1430 – 1500:** Proposal for change

**1500 – 1515:** Update on stimulation guidelines (Jess)

**1515 – 1530:** Update on study design (Lina)

**1530 – 1545:** General update from AHC

**1545 – 1600:** General update from RTI

**1600 – 1615:** General update from SH

**1615 – 1630:** General update from CIF

**1630 – 1700:** Closing remark and review of actions for rest of 2022

**1800 – ?:** Dinner (place to be determined)

# cDMAT Core Group



Chanpheakta  
Ngoun  
MD

Founder of cDMAT  
Hospital Director



Lina Saem Stoey  
RN & MPH

Co-Founder of cDMAT  
Volunteer



Khoeun Rachana  
Khann  
MD

Pediatric neurologist



Jessica Whitney  
Country Director

**Safe Haven**



Sopheary Luy  
Senior Interventionist

**Safe Haven**



Check Channy  
Disability & Social  
Inclusion Specialist

Intergrated Early  
Childhood  
Development



Virak Seng  
Illustrator and web  
design

**CONSULTANT**



Rebecca Gene  
Crockett  
PT, DPT, MPH

IECD Project Manager

**Safe Haven**



Rany Khut  
Physiotherapist



Sethy Tan  
Physiotherapist



Lori Baxter  
PT, DPT, MPH

**CONSULTANT**



Lisa Yunker  
Technical Advisor



# Role and purpose of cDMAT Core Group

- Improve cDMAT and CB-DMAT where needed
- Maintain public interest through coordination and update website
- Implement cDMAT and CB-DMAT

*Feedback on workshop !!!*

*Proposal for*  *....to improve the cDMAT*

# Family stimulation guide translation (Jess)



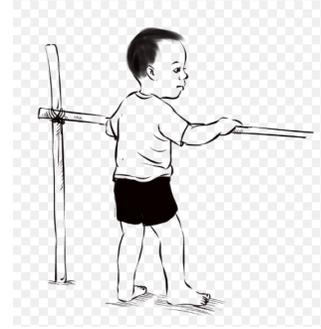
...to be replaced by new drawing.

Khmer translation of the title here...



Family Stimulation Guide For  
Child Development

Claudie Ung Montaufray  
Piet De Mey



## Further research on the cDMAT (Lina and Lori)



The Group wants to answer the following critical research questions:

- To what extent is CB-DMAT an effective tool in detecting potential development delays and disabilities?
- Can the cDMAT reliably detect developmental delay and disability?
- Is the cDMAT a practical tool for use in Cambodia's health facilities?
- How can we best validate the skills of those trained to use the CDMAT to ensure inter/intra-tester reliability?

## Further research on the cDMAT (Lina and Lori)



The Group seeks scientific and monetary support in conducting an observational study:

- Principal Investigator and co-investigators
- Statistics
- Database and management
- Project/Study Manager and study staff
- Funding to conduct and run the study

## Further research on the cDMAT (Lina and Lori)



A collaboration with the Group will provide ample opportunity for:

- capacity building (developing and strengthening research-related skills of Cambodian health researchers)
- sharing local know-how on the Cambodian health care system and practices related to childhood disability in Cambodia
- cross-cultural exchanges
- networking across multiple professions working with children with disabilities

## Further research on the cDMAT (Lina and Lori)



- Lori and Lina met with Prof Jeff Hartman at of Family Medicine and Community Health Department
- Presented Group’s Support Letter and a draft synopsis of the study

### PROPOSAL FOR RESEARCH DESIGN INVOLVING THE CDMAT

#### SYPNOSIS\_DRAFT

Background	<p>The Cambodian Developmental Milestone Assessment tool (cDMAT) was created based on a large-scale observational study (DMAT-02) that documented the milestone performances in 1410 healthy Khmer children in two provinces of Cambodia. Within this study and population, a reliability testing (DMAT-03) was performed of the tool. The studies publication can be found via this <a href="#">link</a>. The tools are in the public domain, and their implementation is managed by the cDMAT Core Group (<a href="http://www.cdmat.org">www.cdmat.org</a>).</p> <p>The milestones in the cDMAT are based on the Denver Developmental Screening Test (Denver II). The tool is culturally-sensitive and environmentally appropriate for Cambodian rural children. It consists of 129 age-norms achievement milestones in four functional domains for children up to six years old. The estimated time to complete the full cDMAT version is 20-30 minutes.</p> <p>The CB-DMAT is a shortened, community-based screening tool based on the full cDMAT. It contains four specific skills (one per domain) that nearly all Khmer children of a certain age are expected to perform. The CB-DMAT is intended to be used by the ‘community’ such as health care providers at the villages, (<a href="#">grandparents</a>) and teachers. The tool takes about 2-5 minutes to complete.</p>
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## Further research on the cDMAT (Lina and Lori)



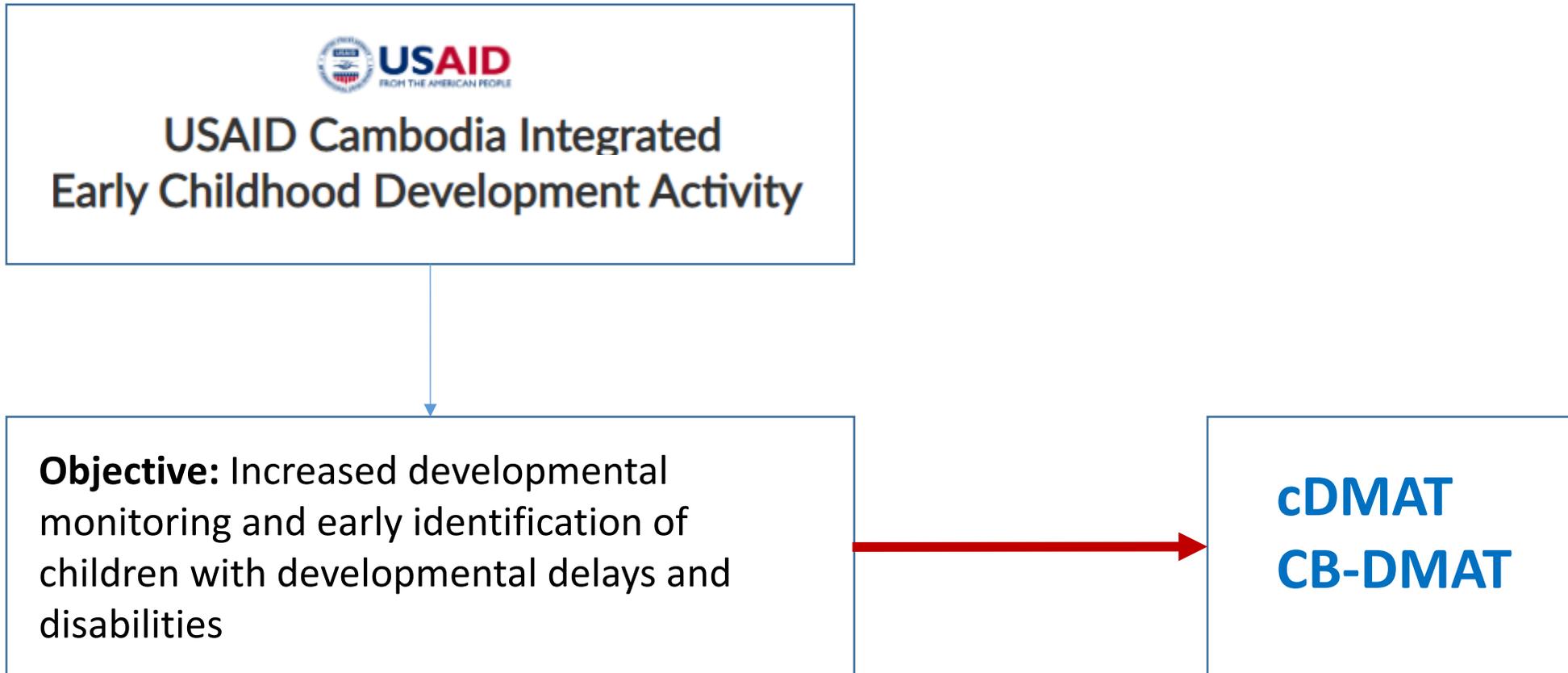
**Cambridge Network for Disability and  
Education Research**

**From: Jeff HARTMAN**

*'I want to introduce you to Dr. Dr Seema Nath (CC'd to this email). Dr. Nath is a member of the Cambridge Network for Disability and Education Research and is **interested in learning more about your work and possibly supporting your research needs**. I have forwarded her some of the information you recently provided so she is aware of some of your needs. She also has a research colleague at the **University of Glasgow** who may also be interested. She is willing to reach out to him if needed. We may have the beginnings of a strong research team!'*

## Updates from AHC (Pheaktra, Rachana)

## Update from RTI (Channy)



## Update from RTI (Channy)

- **From:** Check, Channy

*I really want to discuss about the **CB-DMAT Milestone** as well, because from what we have learnt from our 2<sup>nd</sup> screening, we found that the percentages of the milestones we have used in **CB-DMAT is the 99+ that could not identify** children who have mild to moderate developmental delays.*

*For RTI-IECD, we have done first screening on September 2021 with 1022 children in Kampong Thom province, and found only 23 children with disabilities and second screening on March 2022 in Preah Vihea province, with 1061 children and found only 13 children with disabilities.*

## Update from Safe Haven (Jess)

**From:** Jessica Whitney

*...I am attaching a document related to some of the questions and issues we have run into in the process of organizing and formatting the **Family Stimulation Guide** and by using the **CDMAT** ourselves.*

*I am also including a more detailed document which is SH's draft version of the **CDMAT score sheet** and some of the items/information we have chosen to add. I am happy to talk with you about this in more detail in person - I'm sure it's a bit confusing to look at without any discussion!*

## OSCaR (Lisa)



OSCaR (Open Source Case-management and Record-Keeping) System is a web-based system that enables accurate information gathering and customisable program modelling in a central hub.

<https://www.childreninfamilies.org/what-we-do/oscar/>

<https://oscarhq.com/>

## Future activities and projects 2022

- Continue projects (RTI, CIF, Safe Haven, and others)
- Complete translation of Family Stimulation Guide and illustrations
- Plan and hold cDMAT Worksop for cDMAT Core Group
- Focus on CB-DMAT?
- Contact the MoH (NPH) again?
- Recruit more members?
- Next meeting – May 2022 in Seam Reap! (?)

## Future activities and projects 2022

- Validate people's ability to use CDMAT after they have been trained
- We need more data from the ground!
- Sensibility testing of the tools (at least the CB-DMAT)
- Improve cDMAT and CB-DMAT