# PAST, PRESENT AND FUTURE OF ACHWM

By: Samantha Mandamin



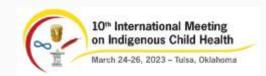




# Faculty/Presenter Disclosure

In the past 24 months, Samantha Mandamin has no relevant financial relationships with the manufacturer(s) of commercial services discussed in this CME activity.

I do not intend to discuss an unapproved/investigative use of a commercial product/device in my presentation.





# Topics

- History of the ACHWM
- ACHWM Today
  - Determine your purpose for using the ACHWM
  - Data Sovereignty
- > ACHWM Future



# History of the ACHWM



# Why create a new measure?

- Community leaders recognized a health equity gap for of First Nations, Inuit and Métis children & youth
- No child health data relevant at the local level
  - Data was needed to inform health planning and evaluation
- No culturally-relevant measures



2009 2010 - 2011 Present

# Origin of the ACHWM

- A partnership developed between Indigenous health leaders and academic researchers to incorporate traditional wisdom and ensure scientific credibility
- Intent was to ensure the relevance for Indigenous children across Canada







# Core Values Guiding the ACHWM

- 1. Consider what is best for each child
  - Children's wisdom guides the entire process
    - Their best interests guides our local triage and support process
    - Brief Health Assessment is a strengths-based approach
  - Every child is deserving of support
- 2. Respond to the needs of the community
  - Respecting community's autonomy

\*Reminder: the ACHWM is not a diagnostic tool

The ACHWM is a wellness tool



## Photovoice Activities Ideas were translated into questions about...













## 6 Focus Groups

- 38 children in Wiikwemkoong
  - Selected the best photos
  - Gave a name to each photo to describe the wellness concept
  - Assigned the photo-concepts to quadrants
- 58 questions related to health and wellness were developed
  - with 4 more added later by other communities
- Guided by an Advisory Committee







### Assessed the Fit in Other Communities

Weechi-it-te-win Family Services June 2014

Métis Community in Sudbury July 2014

M'Chigeeng First Nation August 2014

Whitefish River First Nation
 October 2014

• Ottawa Inuit Children's Centre January 2015 (Now: Inuuqatigiit Centre for Inuit Children, Youth and Families)



# Gifted names by Communities



Aaniish Naa Gegii	NE Ont.	Anishnaabemowin
Aniish Na	SW Ont.	
Ah'neen'chi'Kay'yohn	Pikangikum	
Aaniin Ezhi-Ayaayan	NW Ont.	
Qanuippit	Nunavut	Inuktitut
Komon Ca Vo	NE Ont.	Michif
Ohniió ton hatie	Kahnawake	Kaniehkeha:ka
Wacheya	Northern Ont.	Cree
ëdlanët'ë	Saskatchewan	Dene
Wa Chexw Yuu	BC	Skwxwú7mesh sníchim

These names translate to *How are You?* 



# Tablet Technology

- Supports children to complete the questions independently
  - No data entry required
- Produces scores that are:
  - Shared with each child on a "balance chart"
  - Aggregated in an automated report for the community
- Connects children at "potential risk" to a local safety net









# Brief Assessment Developed

- Screening process was created by the Nadmadwin Mental Health Clinic staff in Wiikwemkoong
  - Suggested that 18 questions should be flagged and immediately addressed
- Children are referred to a qualified staff member if:
  - 1 or more red flags
  - 2 or more yellow flags
- Ensures children's safety



# Brief Assessment

Date Completed: Summary Score: Potential Risk: Spiritual Score: Raised Flags: Emotional Score: Emotional Score:		Spiritual Score:			Physical Score:			
					Mental Score:			
		Mental Score:						
				Never	Hardly Ever	Some- times	Often	Alway
<ol><li>I feel aft</li></ol>	raid or scared	2002						0
4. I feel bu	llied							
18. I hurt of	ther people wh	en I am upset or an	gry				0	•
21. I feel lonely							0	
23. I break	things when I	am upset or angry .	**				0	0
24. I feel sa	fe at home					0		
26. When I	get sad or ups	et I get over it quick	ily	0				
31. I get ma	d or cry when	something small go	es wrong					0
33. I feel lik	e hurting mys	elf				0	•	•
38. I am in	a bad mood							0
39. I get a good night's sleep			0	0				
40. I feel lik	40. I feel like ending my life					•	•	•
41. I get so	I get so worried that I feel it in my body						0	
45. I feel lik	5. I feel like good things will happen			0	0			
46. I can get clean drinking water			0					
51. I feel safe in my community				0				
53. I worry	about getting	enough to eat						
54. I have h	ope for my fut	ure		0				
Local Team M	ember:			linician				
Clinical Recon	nmendation:	In need of fu	of further suppor		Not Ass	essed (F	lefused)	
	port is recomm							
$\simeq$		referral made to:	fuom:			-	(clinicia	(m)
Currently receiving professional support from:				(agency)				
I	May I share th	iese results with yo	ur clinician?	Yes		No	'agour')	50.
	(S)	ber: if a child is seeing a to a local mental he	nother professional			upport, pl	ease refer	them
				nemate ser	vices:			



# Grounded by 10 years of science

ACHWM meets psychometric criteria









on example of a screening and thage process that enabled our survey team to screen responses in real time, respond to potential risk immediately, and

value make it an effective triace tool that is particularly valuable in Abotiginal communities and with higher risk copydations

KEY WORDS: Mental health; early medical intervention; think; addressert indigenous population; surveys and sunntion takes

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connect participants to local support seniors. This process proved essential to conducting an ethical survey. The high specificity and negative predictive

Grid Avide Health 2016;107(4-5):v299-w465

ator 10.17360/CIPH 10730/F

## Typical Scores are available for reference



#### Research

Health profiles of First Nations children living on-reserve in Northern Ontario: a pooled analysis of survey data

Mary Jo Wabano MHK, Leslie F. McGregor BA, Roger Beaudin BA, Diane Jacko BA, Lorrilee E. McGregor PhD, Sabine Kristensen-Didur BA, Debbie Mishibinijima BA, Koyo Usuba MHK, Nancy L. Young PhD

#### Abstract

Background: The Aboriginal Children's Health and Well-Being Measure (ACHWM) was developed to enable Aboriginal health leaders to gather information on the health of children at a local community level. This paper aims to describe the typical health profiles of First Nation children living on traditional territory as a reference to assist in the interpretation of ACHWM scores.

Methods: Three First Nations in Ontario, Canada, gathered health data from children using the ACHWM administered on Android tablets between 2013 and 2015. The survey data were previously analyzed to inform local health planning. These survey data were pooled to describe the distribution of ACHWM summary and quadrant scores from a larger sample and inform interpretation of ACHWM scores.

Results: ACHWM data from 196 participants (aged 7.6 to 21.7 yr) across 3 communities were included in the pooled sample. ACHWM summary scores ranged from 39.8 to 98.7 with a mean of 74.1 (95% confidence interval [CI] 72.5–75.7) and a maximum of 100. Strengths were reported in the spiritual (mean 78.7, 95% CI 76.7–80.8), physical (mean 77.1, 95% CI 75.1–79.0) and emotional (mean 74.4, 95% CI 72.5–76.3) quadrants. The greatest opportunity for improvement was in the mental (cognition) quadrant (mean 61.6, 95% CI 56.9–63.4).

Interpretation: This paper presents initial estimates for child health scores based on self-report from a large sample of First Nations children living on reserve. These results establish benchmarks to aid interpretation of the ACHWM scores in these and other communities and contexts in the future.



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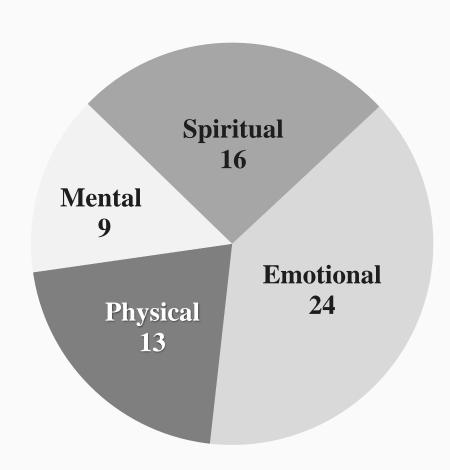
# ACHWM Today



#### **Present**

# **ACHWM Today**

- 12 versions:
  - English and French
  - First Nations, Inuit, Métis
  - Standard vs. Family Services
- Screening & triage process
- Automated online reports
- Comprehensive website with checklists, training & resources
- Amazing team of experts who support communities





# Purposes

- Clinical assessment / triage / management
  - -Utilize ACHWM as a tool to streamline services
- Population health assessment (screening)
  - -Assess what the mental health needs are of children/youth in community
- Program evaluation
  - -Using the tool in various cycles to assess/improve programming



# Understand the purposes for using the ACHWM



Clinical assessment / triage / management

Child completes survey

Connect child to local supports

Reassessment





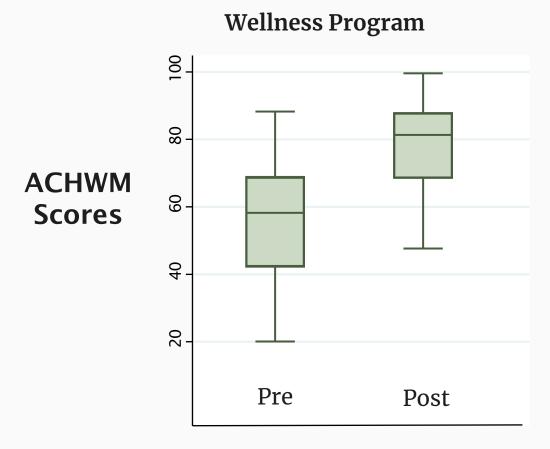
## Population health assessment (screening)

- Assess what the mental health needs are of children/youth in community
- Automated community reports
- De-identified data
- Analytic spreadsheet



## Program Evaluation

- Using the ACHWM in at several time points
  - to assess the effect of a treatment program





# Children do the ACHWM on an App



## App Details

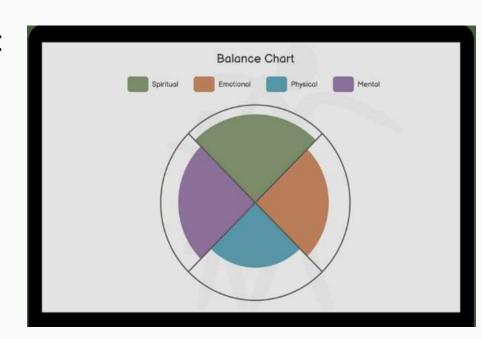
- Runs surveys offline
- Require Wifi to:
  - Download the app
  - Update app
  - Upload data



## Generates reports for:

- 1. each child or youth (individual data)
- 2. local health workers (individual data)
- 3. community leaders (group data)

- Child sees a Balance Chart
  - > picture that highlights their **strengths**:
    - Spiritual
    - Emotional
    - Physical and
    - Mental (intellectual)



## Local Health Workers are Essential

Chose someone with the skills and preparedness to support children and youth at all levels of need

- Connection to natural helpers
- Knowledge of community's resources
- Crisis support skills
- Preparedness for brief conversations with the children/youth
- Trusted within the community

Examples: Elder, counsellor, social worker, nurse





# Data Sovereignty



# ACHWM supports data sovereignty through:

- Agreements with partners
- Local control of "Member Roles"
- Local control of data



## Agreements

#### Ensure clear understandings of responsibilities:

- Community is responsible for
  - Providing local health resources & tablets
  - Children's well-being
  - Ownership of data
- ACHWM team is responsible for
  - Providing resources via the website
  - Stewardship of the data

### No license fee



## 3 Agreement Types

#### Give communities choice:

- Who can see their data
  - for online reports and data backups
- How the data are used



### Member Roles



 Different levels of access are granted by the Project Leader

\*Note: Data Viewer Access is unavailable currently (however is nearly ready for use!)



#### Member Roles and Permissions

Assign your team members different website roles so that they can complete different actions and have specific controls.

		PROJECT LEADER	COORDINATOR	FACILITATOR	HELPER	DATA VIEWER
	ACCESS	FULL ACCESS	TEAM AND PROJECT ACCESS	APP ACCESS ONLY	LIMITED ACCESS	DATA ACCESS ONLY
Project App	View/Access project	~	~	~	~	~
	Install project on app	~	~	~		~
	Create & edit project cycles	~	✓.			
	Manage project users	~	~			
	Run the ACHWM app	~	~	~	~	~
	Upload data to server	~	~	~		
	Run the Balance Chart	~	~	~		
	View the flag reports	~	~	~		
Project	Delete data from tablet	~	~			
	View online reports	✓	~			~
	Delete projects	~				
	Export data	~				~

## Data Control - OCAP Principles

#### **Ownership**

- ACHWM web portal empowers communities to set up their own projects
- Each community's data are kept separate from other communities' data
- May choose sole ownership or shared ownership of data

#### **Control**

- Community leaders are the decision makers
  - Can add or remove local team members from their projects
  - Can remove their data from the REDCap server

#### Access

Online reporting controlled by passwords

#### **Possession**

- Data downloads controlled by passwords
- ACHWM team are stewards of the data
- Opportunity to request permission to use for secondary analyse



# Key benefits of the measure:



- Gives children a voice in their own health assessment
- Developed with Indigenous children 8 to 18 years old
- Culturally relevant and grounded in the Medicine Wheel
  - Overall score; physical, emotional, mental, and spiritual scores
- Scientifically sound: valid, reliable, and sensitive
- Tablets engage children in a non-judgemental way
- Automated process enhances feasibility and supports the generation of local reports
  - Tablets are able to quickly identify urgent health needs and facilitate new connections to local supports
- Generates quantifiable data useful at the local level to support program planning, evaluation, and support funding requests

# Setting up the ACHWM



# Create an account in ACHWM.ca

	Ž⊗Ž ,	
	Member Login	
	Usemame	
	Usemame	Maria Mill
	Password	
	Password	
	LOGIN	
	create account forgot password	
	Ä⊗) <sup>*</sup>	



### Sign up and visit the ACHWM Member Portal





# Member Portal: My profile & Pin

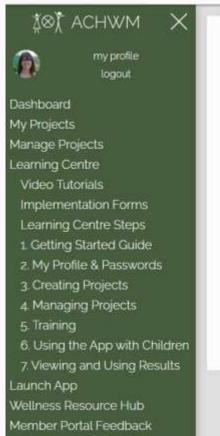
Dashboard My Projects Learning Centre VIEW Hub	ACHWM X my profile logout	Settings Username Testsamanthafowser  Full Name John Smith  Email Testmamedemal cal  Change Password Password  Change PiN	Photo Choose File No file chosen  Phone A little something so project colleagues can get to know you
		Professional Information  Position  Erronity and Title  Credentials	

**Important:** Pin needed to implement with tablet. Update Pin and save changes



## Learning Centre

Located in the Member Portal



### Learning Centre Steps

Welcome to our Learning Centre. We have organized this information into 7 steps for you. Use the menu on the left to navigate through resources relevant to each of your steps in the process.

#### Available all the time:

- 1. Overview Getting Started Guide and implementation process chart
- 2. My profile and passwords updating your member profile, password, and app pin
- 3. Creating projects how to create a project, agreement types

#### Available with a pending project:

- 4. Managing projects managing members and member roles, managing cycles
- 5. Training ACHWM training videos

#### Available with an active project:

- 6. Using the app with children app installation, app function, implementing the ACHWM with children and youth, implementation documents
- 7. Viewing and using results post-implementation processes, viewing and uploading data from app, accessing group records, using community data, closing your project

## Continue Learning about the ACHWM

- Attend a live training session OR
- Learn at your own pace on our Member Portal with video tutorials
- Practice on a Demo version of the App before using it with children
- If have trouble, please reach out to our team





### MONTHLY INFO SESSIONS

0

#### Intro session

This monthly information session will cover how the ACHWM supports communities and organizations measure and respond to Indigenous children and youths' wellness.

@1 PM EST once a month Check out the registration form for specific dates

### Training session

This monthly training session is for communities/organizations that are ready to use the ACHWM with Indigenous children and youth.

@6 PM EST once a month Check out the registration form for specific dates

Join us







Upcoming Training Dates

Tuesday, March 14 & Tuesday, April 11

Sessions are reoccurring monthly!



# Summary of the ACHWM



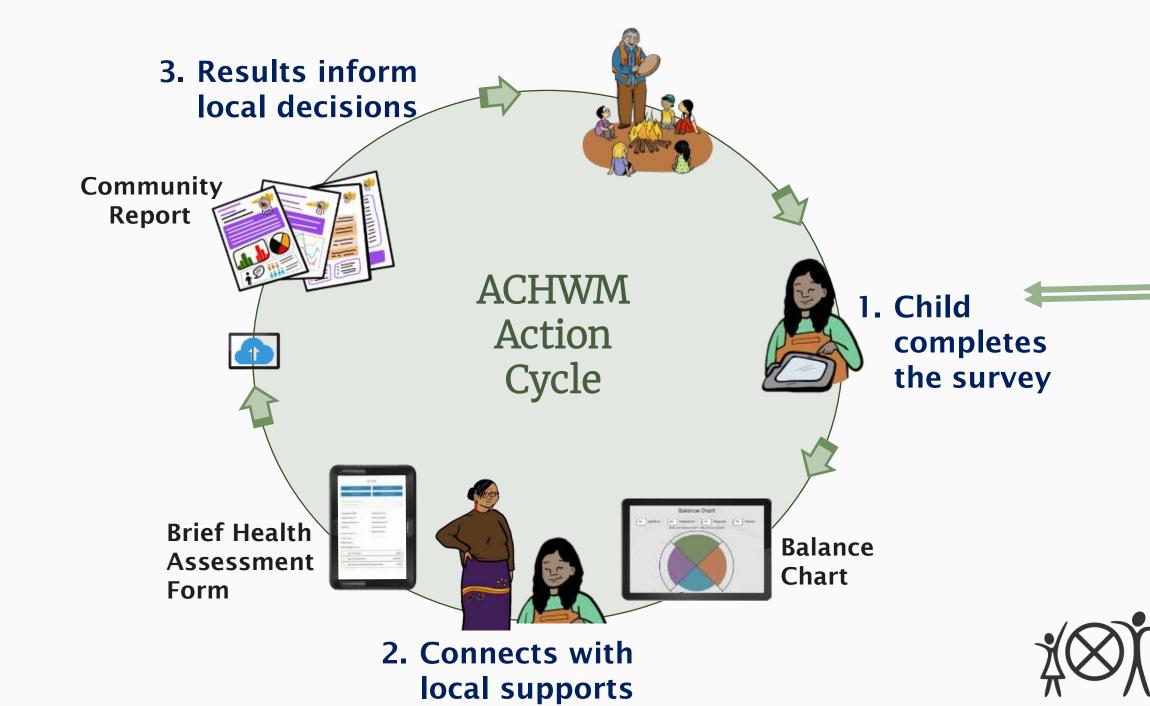
### **ACHWM**

f Aaniish Naa Gegii : the f Children's f Health and f Well-being f Measure

- A self-reported wellness assessment
- Developed with and for Indigenous children
  - o 8 to 18 years







### 1. Gives children a louder voice!

Indigenous children and youth need new ways to start conversations about wellness.

### The ACHWM is:

- Tablet-based
- Non-judgemental
- Helps children be heard (gives them a microphone)

How will you use the tablets to support children in your community?











# 2. Connects children to local supports

When children speak, others need to listen:

- to truly understand their needs
- initiate strengths-based conversations
- connect them to supports within their community

What supports does your community offer to children and youth?





# 3. Produces data to inform local decisions

ACHWM data has helped communities and organizations:

- o For example:
  - Supported funding applications (e.g., to build a shelter)
  - Bolstered advocacy for arts and cultural programming
  - Informed plans for land-based programs

How will you use the data to create impactful change?







# Future of the ACHWM



# Ongoing Research Projects: Adapting ACHWM

- Older Youth Study (19-29yrs)
- Younger kids (4-7.9yrs)
- Maliseet Unceded Territory
- Iqaliut Inuit Study





Huy ch q'u. Meeg Wetch chiniskumitin háysxw qe! ı 'niin Tshinashkumitin Kúkwstuṁckacw. masi chok ?uusya damaya Woliwon Sne kal yëgh Huy chexw Mikwetc Siyisgaas Meegwetch Pidamaya Gunalchéesh Sóga senlá ?uusyak šiλii?ic oo Sechanalyagh Ma'na Meeg Wetch Marsı háysxw'də! Mas hch Pilamaya Mîkwêc Kinanâskomitin Marsee limləmt Ma' 'y 'niin chiniskumitin Miigwetch miikwehch Niá:wen na Siyisgaas mîkwêc wêc Mēduh Woliwon Thank You yawı'ko Háw'aa Mikwetc Merci Wela'lin Masí nyá:weh Nt'oyaxsn mąsi chok s gilakas'la Nakurmiik Quana Qujanaqqutit T'ooyaksiy niin

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Spilakas'la Nakurmiik Tshinashkumitin

Nt'oyaxsn mąsi chok Qujannamiik Tshinashkumitin

Nt'oyaxsn mąsi chok Yuálazekwi Qujannamiik Tshinashkumitin

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Meegwetch tsel ts'ítho

kukwstsétsemc Miigwetch Gunalchée 'uálaze Kinanâskomitin Mîkwêc Sóga senlá

# Stay in touch!



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@ACHWM\_official

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