

# Aanish Naa Gegii:

## the Children's Health and Well-being Measure (ACHWM)

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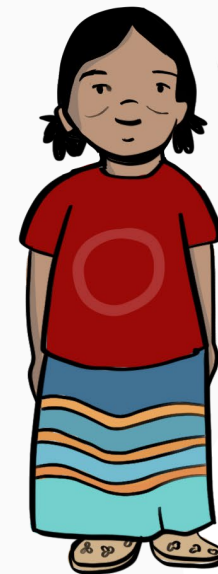




# ACHWM

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

- A self-reported, tablet-based wellness assessment tool
  - With and for First Nation, Inuit and Métis children and youth (8 to 18 years of age)
- Generates information for each community
  - Locally controlled; Numerous usages for data
- Rooted in medicine wheel teachings
  - Spiritual, Emotional, Physical, Mental

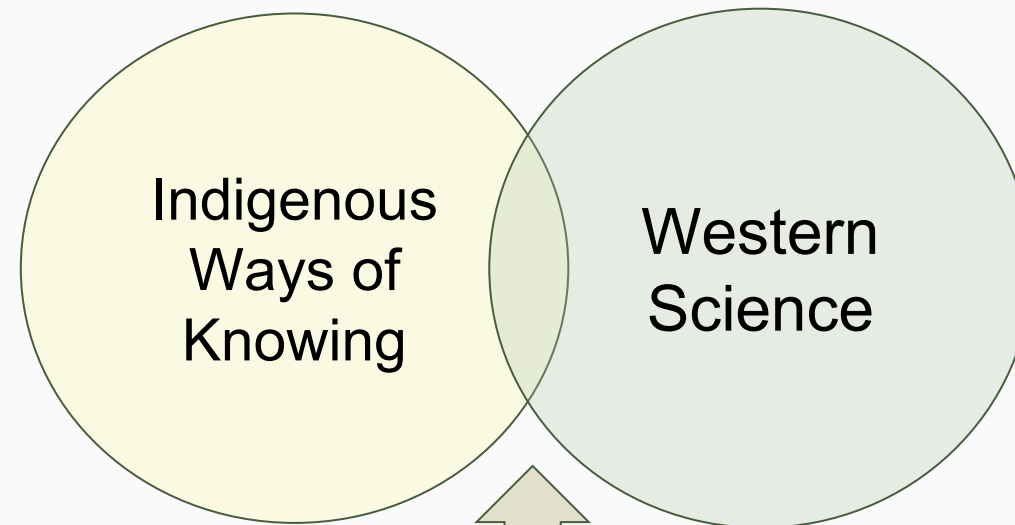


# Origin of the ACHWM

- 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**



Mary Jo Wabano



Nancy L. Young



# Photovoice Activities



# Assessed the Fit in Other Communities

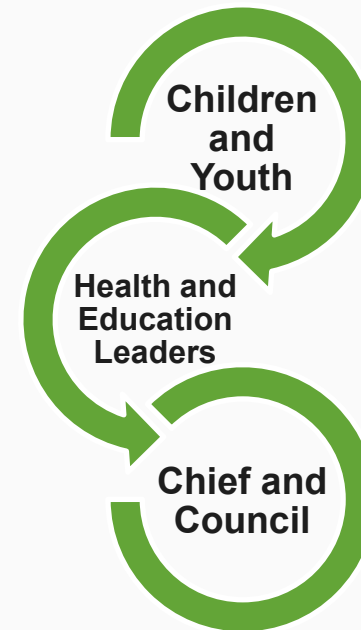
- **Weechi-it-te-win Family Services June 2014**
- Métis Community in Sudbury July 2014
- M'Chigeeng First Nation August 2014
- Whitefish River First Nation October 2014
- Ottawa Inuit Children's Centre January 2015  
*(Now: Inuuqatigiit Centre for Inuit Children, Youth and Families)*





# Extensive Community Engagement

- Repeated and continuous feedback from a variety of sources
- Responsive to communities
- Timely changes to ensure relevance
- Help us stay grounded in culture

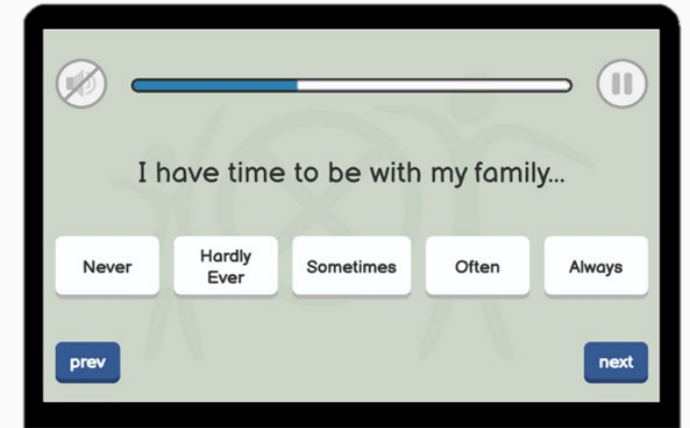


# Knowledge to Action



# Co-created a custom app

- **To enable children to self-report, efficiently**
- Enhances engagement in the process
- Non-judgemental
- No delays in entering data
- Generated reports immediately
- *Stores de-identified data on a REDCap server*
  - *Controlled by agreements*



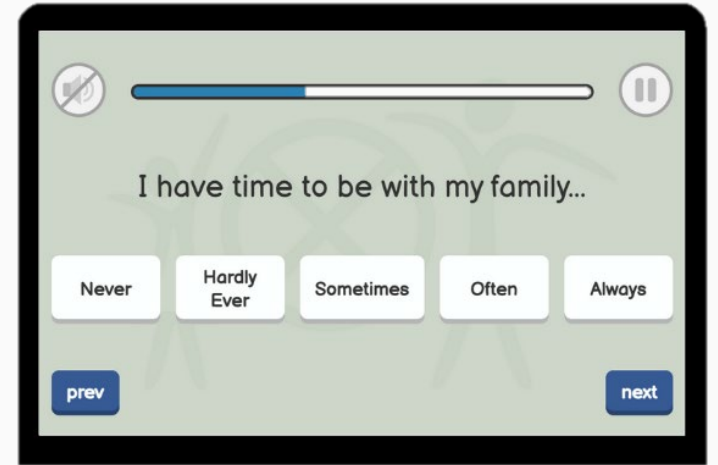


# ACHWM App continued ...

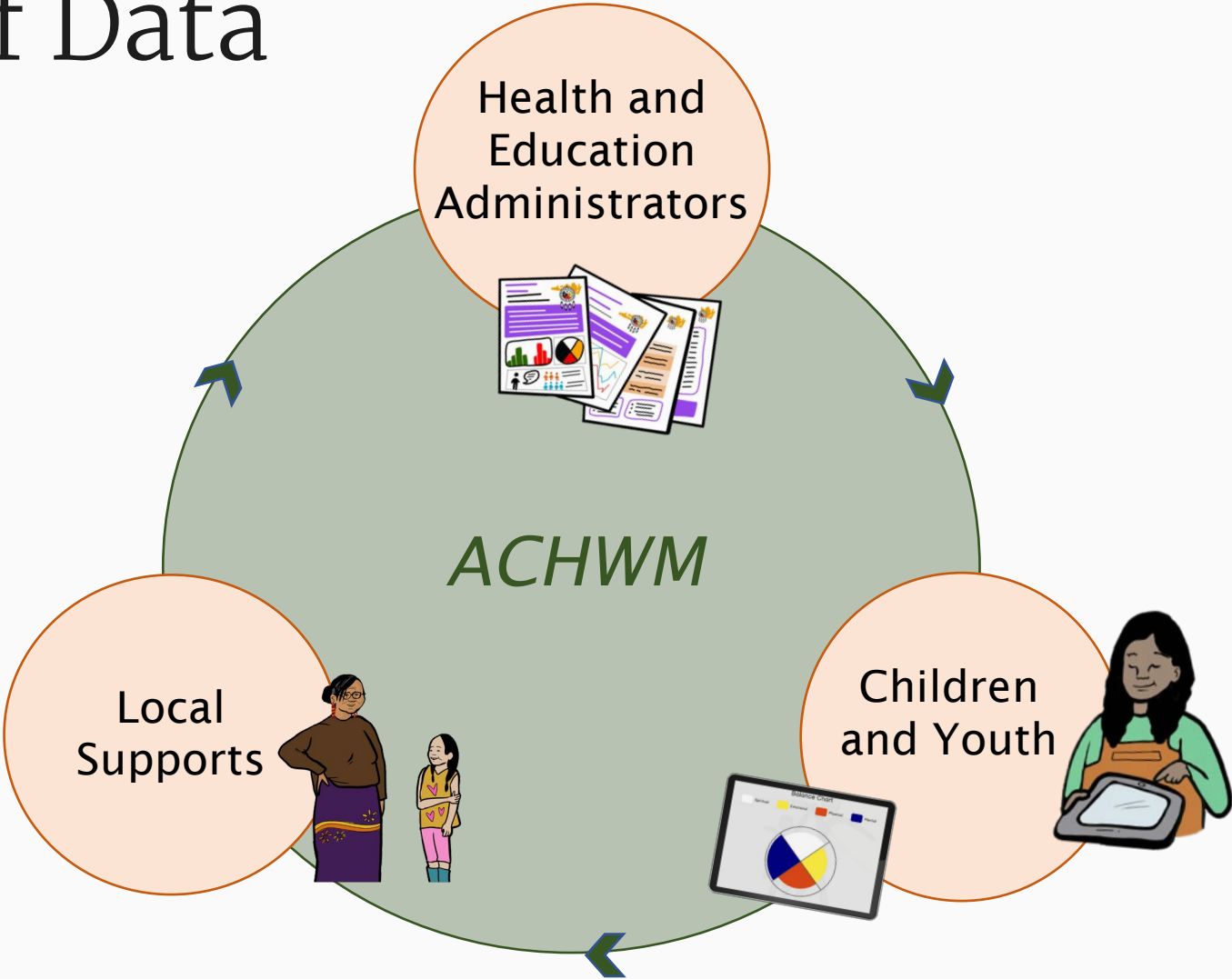
- Completed by children independently using a tablet in **10 to 15 minutes**
  - No data entry
- Produces scores that are:
  - shared with each child on a **balance chart**
  - shared with a local health worker in a **brief report**
  - shared with the community in an **automated report** based on pooled data
- Connects children at “potential risk” to a local safety net

\*Reminder: the ACHWM is not a diagnostic tool

The ACHWM is a **wellness tool**



# Layers of Data

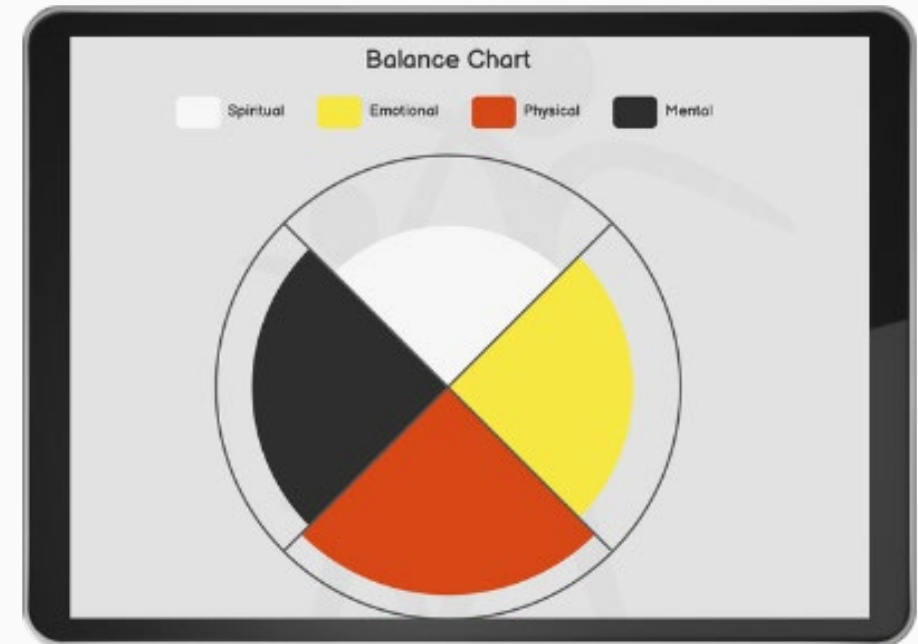


# Children and Youth: Strengths-Based Conversations

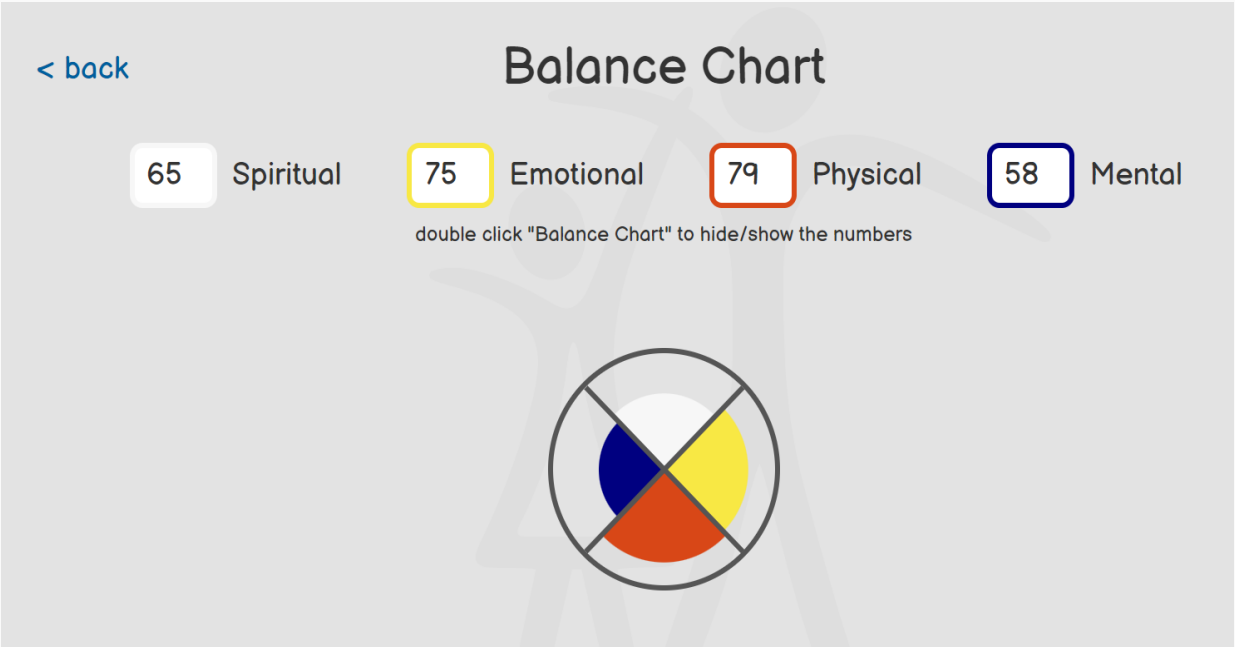
The Balance Chart provides children/youth a real-time visualization of their strengths and opportunities by highlighting four areas of health:

- Spiritual,
- Emotional,
- Physical, and
- Mental (intellectual)

## Balance Chart



# Local Health Workers: Individual Participant Summary



## Record

- ALL RECORDS
- PROJECT MENU
- NEW SURVEY
- BALANCE CHART

Clinician's Assessment Result  
 Not in need of further support

<b>Participant ID:</b> 321	<b>Summary Score:</b> 55
<b>Started:</b> 2022-02-03	<b>Spiritual Score:</b> 67
<b>Completed:</b> 2022-02-04	<b>Emotional Score:</b> 48
<b>Staff ID:</b> 134	<b>Physical Score:</b> 52
	<b>Mental Score:</b> 56

**Potential Risk:** YES

**Raised Flags:** 9

**Missed Flags:** 0

**Missed Multiple Choice:** 3

q004. I feel bullied...	Always
q021. I feel lonely...	Always
q024. I feel safe at home...	Hardly Ever
q033. I feel like hurting myself...	Always
q041. I get so worried that I feel it in my body...	Always
q051. I feel safe in my community...	Hardly Ever

# Local Health Workers are Essential

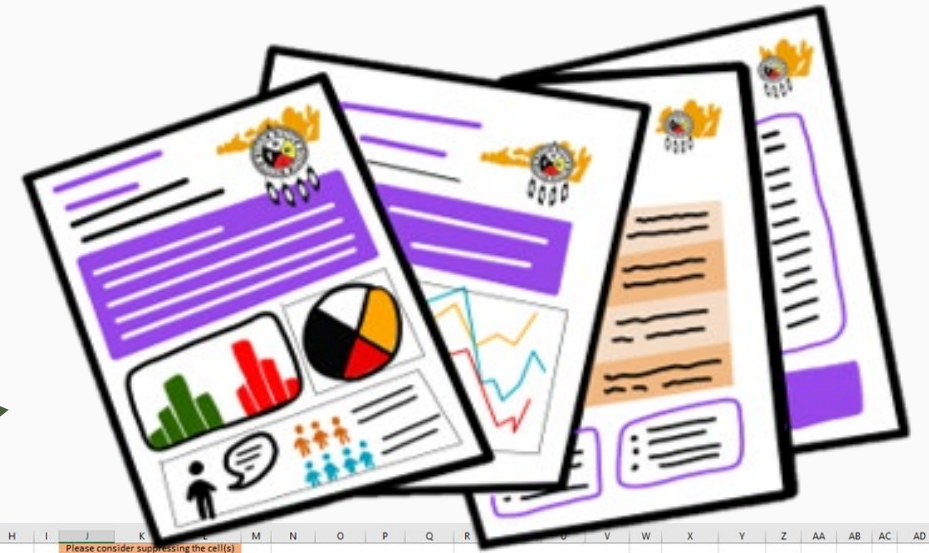
Chose someone with the skills and preparedness to support children and youth at all levels of need

- Prepared to have brief conversations with the children/youth
- Trusted within the community
- Knowledge of community resources
- Able to connect to natural helpers
- Crisis support skills

Examples: *Elder, counsellor, social worker, nurse*



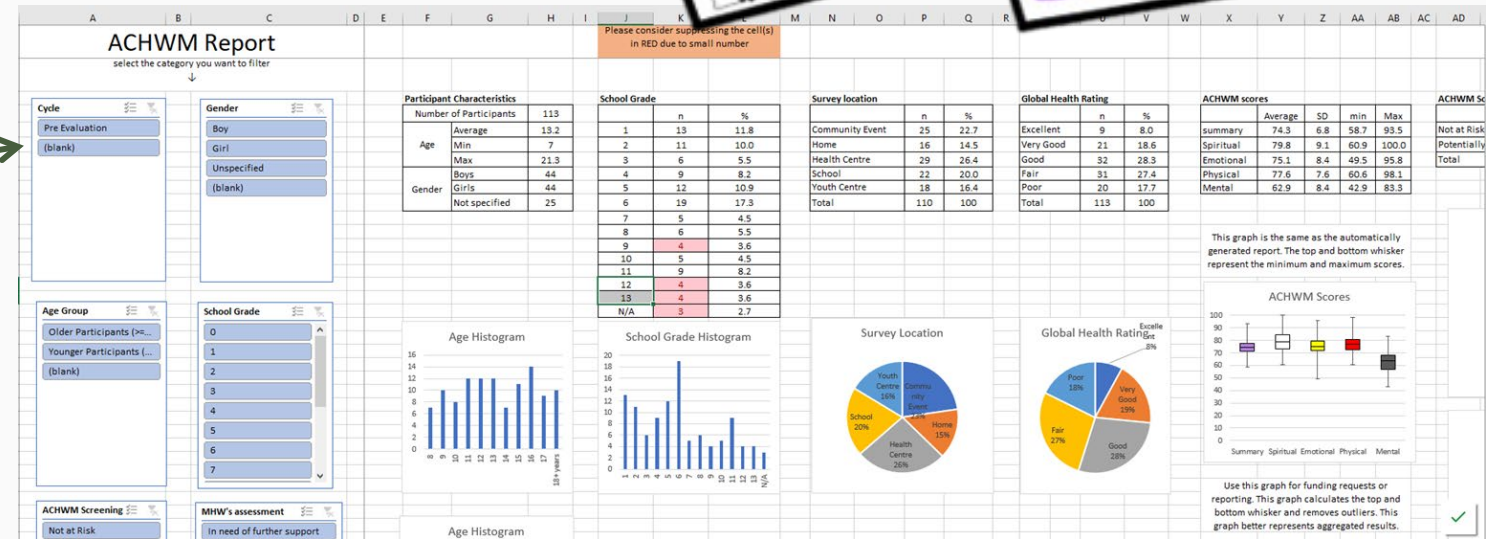
# Community Leaders/Administrators: Aggregated Reports



## Aggregated Report

## Analytic Spreadsheet

## Database



A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
record_id	participant_id	date_started	date_completed	date_updated	version	Cycle	Cycle_name	staff_id	Age	Gender	Birth_date	School	Location	metadata_cc	GHR: How	G11: In
3	162	2017-01-08	2017-01-08	2017-01-08	1	1	Pre Evaluation	11	10	2	2007-03-15	4	2	2	4	3
7	294	2017-01-08	2017-01-08	2017-01-08	1	1	Pre Evaluation	11	9	2	2003-02-15	11	3	2	4	5
16	104	2017-01-08	2017-01-08	2017-01-08	1	1	Pre Evaluation	11	12	3	2006-09-15	8	2	2	3	3
24	312	2017-01-08	2017-01-08	2017-01-08	1	1	Pre Evaluation	11	16	2	2004-06-15	2	3	2	5	5
41	125	2017-01-08	2017-01-08	2017-01-08	1	1	Pre Evaluation	11	17	1	2009-11-15	11	1	2	4	3
50	350	2017-01-08	2017-01-08	2017-01-08	1	1	Pre Evaluation	11	8	2	2012-09-15	3	5	2	5	4
56	234	2017-01-08	2017-01-08	2017-01-08	1	1	Pre Evaluation	11	16	1	2010-07-15	12	4	2	4	3
70	321	2017-01-08	2017-01-08	2017-01-08	1	1	Pre Evaluation	11	11	2	2006-09-15	2	3	2	4	4
83	388	2017-01-08	2017-01-08	2017-01-08	1	1	Pre Evaluation	11	12	2	2005-08-15	1	4	2	4	3
141	236	2017-01-08	2017-01-08	2017-01-08	1	1	Pre Evaluation	11	14	1	2004-01-15	6	5	2	4	3
150	324	2017-01-08	2017-01-08	2017-01-08	1	1	Pre Evaluation	11	15	1	2007-01-15	7	4	2	2	3
160	305	2017-01-08	2017-01-08	2017-01-08	1	1	Pre Evaluation	11	14	3	2006-05-15	13	1	2	5	4
189	228	2017-01-08	2017-01-08	2017-01-08	1	1	Pre Evaluation	11	14	3	2003-06-15	8	3	2	3	4
192	304	2017-01-08	2017-01-08	2017-01-08	1	1	Pre Evaluation	11	9	3	2012-10-15	1	1	2	4	5
195	104	2017-01-08	2017-01-08	2017-01-08	1	1	Pre Evaluation	11	11	1	2012-12-15	11	1	2	4	4
196	129	2017-01-08	2017-01-08	2017-01-08	1	1	Pre Evaluation	11	16	1	2005-07-15	5	4	2	2	3
199	373	2017-01-08	2017-01-08	2017-01-08	1	1	Pre Evaluation	11	12	1	2008-05-15	11	5	2	4	3
202	355	2017-01-08	2017-01-08	2017-01-08	1	1	Pre Evaluation	11	13	3	2012-04-15	3	1	2	4	3
115891	325	2017-03-08	2017-03-08	2017-03-08	1	1	Pre Evaluation	57	8	2	2011-11-15	7	3	2	3	3
119017	288	2017-01-08	2017-01-08	2017-01-08	1	1	Pre Evaluation	11	9	3	2005-02-15	4	1	1	2	3
122707	186	2019-01-11	2019-01-11	2019-01-11	1	1	Pre Evaluation	70	13	3	2006-07-15	11	4	2	5	5



# Data Sovereignty and Management

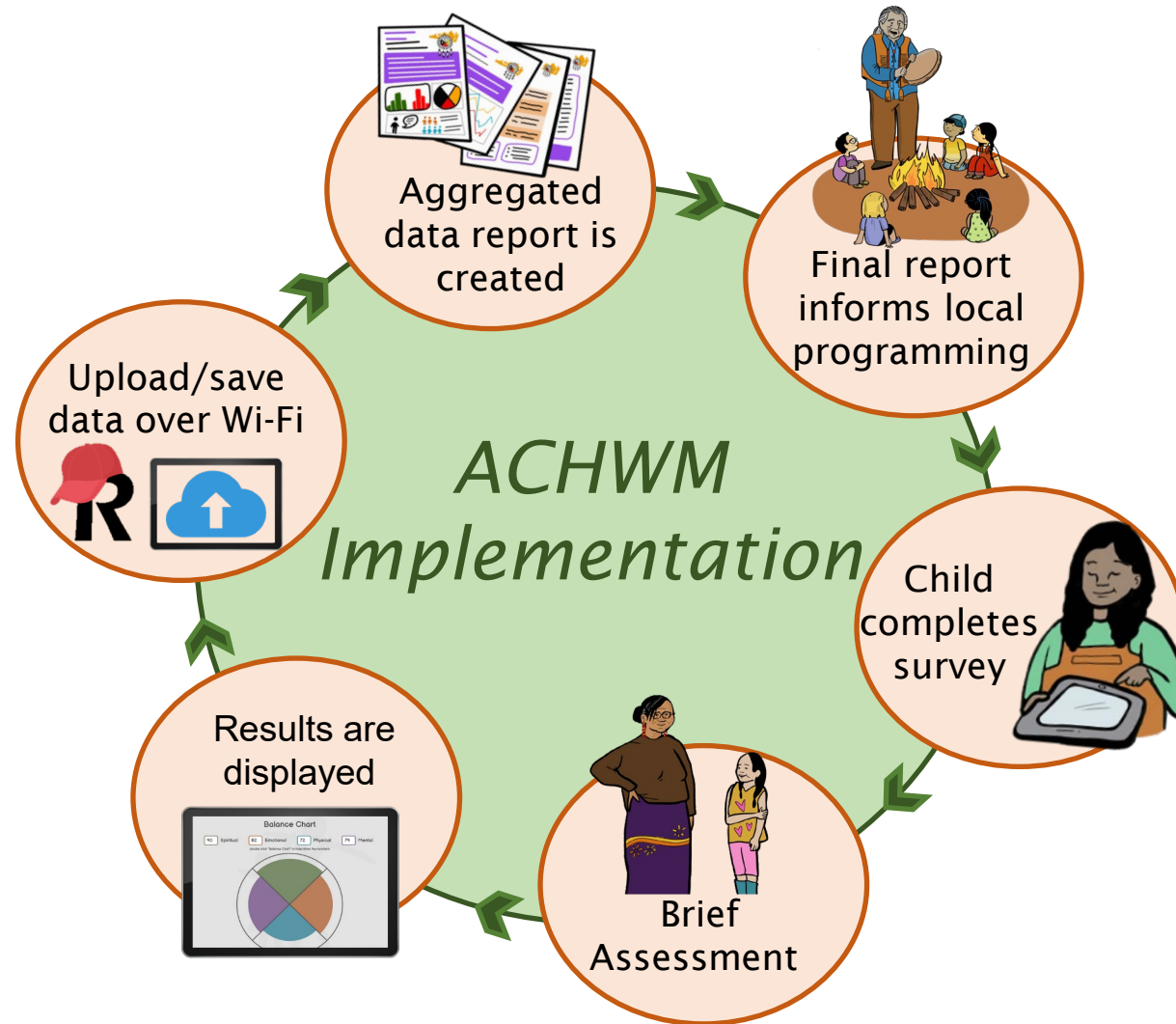


# Agreement Types

- Give communities choice
- They decide how they want to control the data/survey results
- Communities can choose how they want to use the App.

	INDEPENDENT USE	COLLABORATIVE PRACTICE	RESEARCH
<b>Additional support</b> Collaboration with the ACHWM team	✗	✓	✓
<b>Data back-ups</b> Easily upload and store data on the secure Laurentian REDcap server	✗	✓	✓
<b>Easy reporting</b> Automatically generated report available at ACHWM.ca	✗	✓	✓
<b>Publication opportunities</b> Survey results contribute to research and academic journal articles	✗	✗	✓
<b>Ownership of data</b> Community or organizations keeps ownership of the data, results, and reports	✓	✓	Data is <b>shared property</b> of community or organization and ACHWM team
<b>Ethics approval and consent forms</b>	Procedures determined by local community and policies	Procedures determined by local community and policies	Requires Laurentian ethics approval and consent forms

# Flow of data



# ACHWM and the OCAP Principles



## Ownership

- Setting up projects
- Separating data by community

## Control

- Adding or removing team members
- Removing data from the REDCap server

## Access

- Reporting controlled by passwords (online)

## Possession

- Storing and backing up on an academic server
- Downloading via password protection



# Community Experience and Impact



# Experience from the perspective of Wiikwemkoong Unceded Territory

- The initiator for the ACHWM, full partners in the co-creation
- Shaped the research funding proposals
- Contributed to the research
- Shared the results





# Research on our terms

- Research to promote wellness
  - Integrating Indigenous perspective
- Research that answered our questions
  - Is the OALE program effective in promoting wellness?
  - How do scores change over time with local treatment?
  - How do we support younger children and adults over 18?



# How we have Used the Measure

- Variety of settings:
  - Mental health, school health, youth centre, community events
- Different purposes:
  - Needs assessment
  - Program evaluation
  - Conversation starter for individual counselling



# Reflecting on how data has supported our community

- Informed health planning
- Informing community planning
- Proved the effectiveness of local mental health services



# Reporting back to communities:

- Result are always shared with children and youth participants
- Shared locally within the community
- Shared external to the community
  - Conferences
  - By the ACHWM Outreach Team





# Empowering communities

Consider ways your community could use data to create change



# Chi Miigwetch

- To the many children and youth who shared their vision of health with us through this project;
- The Elders, for their devotion to this project;
- To the Health and Social Well-being Committee and Chief & Council for their ongoing support;
- To the communities who have helped us along our journey
- To the members of the Advisory Committee for their wisdom and guidance





# Stay in touch!



[ACHWM@cheo.on.ca](mailto:ACHWM@cheo.on.ca)



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