DCYF Parents As Teachers: Parent-Child Interaction & Assessment Tools

Susan Botarelli, MSN, MPH-c, ARNP, FNP-BC

University of Washington Online Masters in Public Health

Land Acknowledgement

I acknowledge the land I sit and occupy today is the traditional home of the Duwamish, Tulalip, Muckleshoot, and Suquamish tribal nations.

Without them I would not have access to this working, teaching, and learning environment.

I take the opportunity to thank the original caretakers of this land who are still here.

Reflexivity Statement

- I am a single, temporarily able-bodied, cisgender white female of middle income bracket
- I come from a clinical background and have worked in home visiting and have completed higher education
- English is my first & home language
- I was born & raised in the United States in a predominantly white rural area
- I benefit from white privilege & the structures/policies which currently dominate the system & institutional infrastructure in the US based in white supremacy

Agenda

- Background

- The Data

- Closing thoughts

- Questions

Background

Problem Statement & Project Purpose

- **Problem Statement**: The need for effective parent-child interactions to improve child and parent health

- **Purpose:** Assist in the development of a precise, measurable & achievable outcome of PAT participation: Parent-Child Interaction (PCI)

  - **Inquiry 1:** preference of self-reported or observational assessment tools and potential effects on the reportable outcomes

  - **Inquiry 2:** Evaluating the cultural sensitivity of these PCI assessment tools

Causal/Associative Diagram

Research Question: What parent-child interaction assessments exist and can be implemented to support home visitors in the Parents As Teachers program that are also culturally sensitive?

PAT Home Visitors accept the integration of a new PCI assessment form in their HV workflow with their families:
- HVs and/or caregivers complete the PCI assessment
- Cultural sensitivity occurs when completing the PCI tool with families

Potential Moderators:
- Lack of culturally-sensitive PCI tools
- Lack of acceptable MIECHV-approved PCI tools
- Low literacy
- Limitation HV / caregiver capacity

Existing PCI tools:
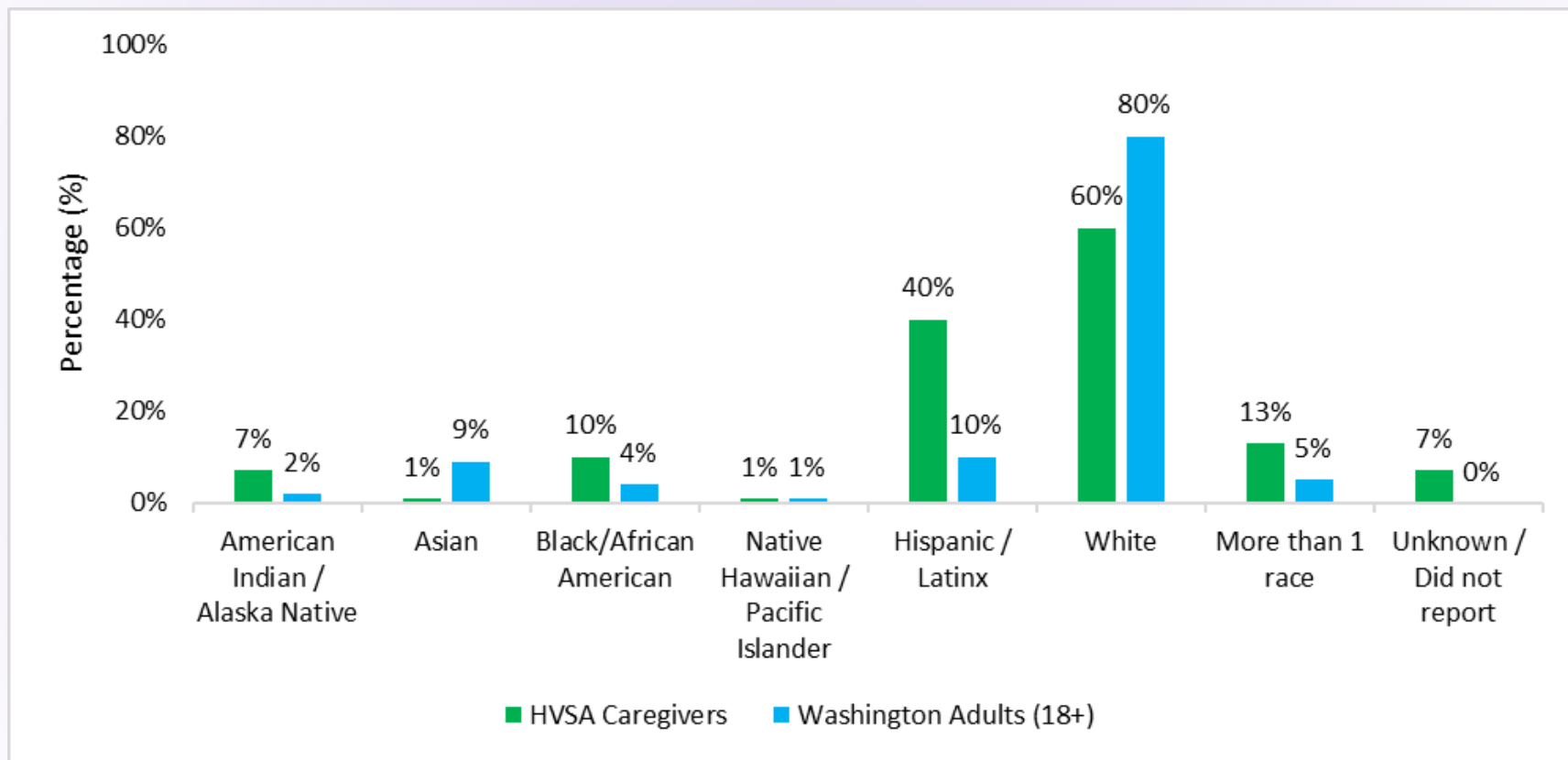- HFPI
- PICCOLO
- DANCE
- HOME-SF

Best practices for Cultural Sensitivity:
- Program materials available in family-preferred language
- PCI tool reflective of the family's parenting practices
- Culture-centered assessment approach
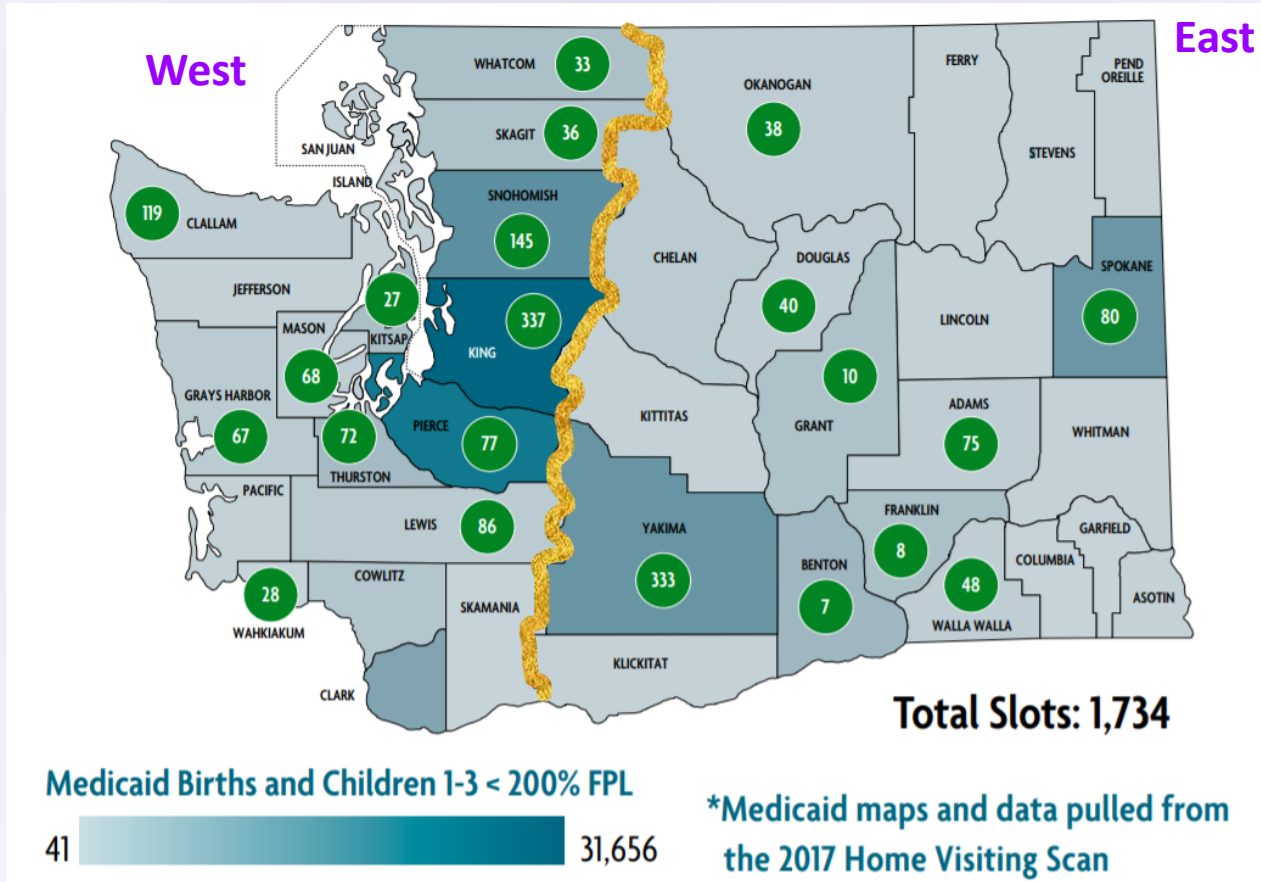- PCI tools developed with racially/ethnically diverse family populations

Outcome: PCI assessments accurately measure family interactions & create dialogue to strengthen current parenting practices

Prevent & Reduce Child Abuse & Neglect and CPS referrals

WA HVSA Demographics

WA HVSA Parents As Teachers

Total Slots: 1,734

Medicaid Births and Children 1-3 < 200% FPL

41 — 31,656

*Medicaid maps and data pulled from the 2017 Home Visiting Scan

What is parent-child interaction?

DCYF, 2019a; DCYF, 2019b; Healthline, 2019

Parent-child Interaction

PCI Tools	Age range	Sensivity to change over time	Language options	Training	Completion time (minutes)
CCI			x		
HFPI*^	not stated	somewhat	x	minimal	15 -25
PICCOLO*	10 to 47 mo	somewhat	x	extensive	< 15
EAS	0 to 5 yrs		x	extensive	
Three-Bag	14, 24, 36 mo			extensive	15 -25
DANCE	0 - 2 yrs	very	x	extensive	15 -25
HOME	0 -2, 3-5 yrs	somewhat	x	minimal	< 15

Cultural Sensitivity

Approach: Self-report versus Observational

# The Data

Methods

DCYF Home Visiting Team

- HV Focus Groups: August – October 2020
- HV survey: November 23 – December 14, 2020
- Caregiver survey: February 4 – March 4, 2021
    - English & Spanish
    - Paper & electronic
- Data Analysis

* In order to protect the confidentiality of respondents counts <10 have been collapsed into a single group
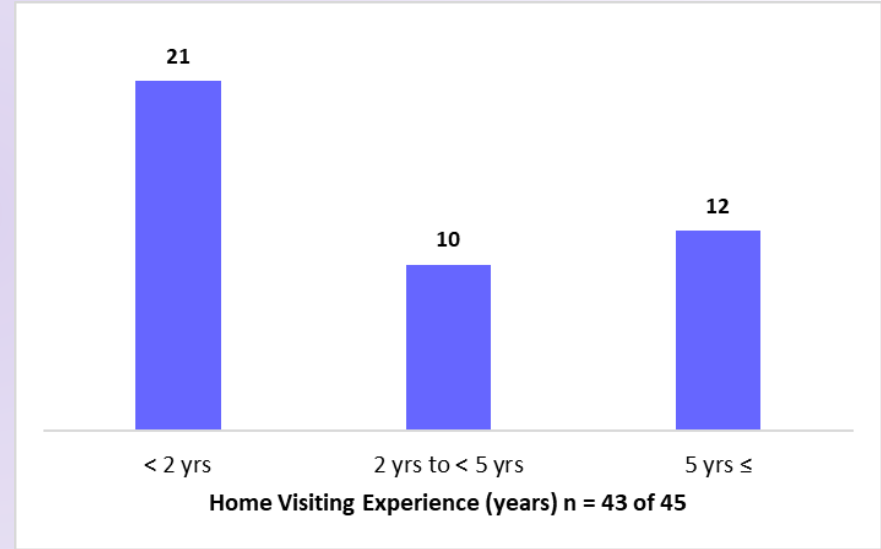
Participants

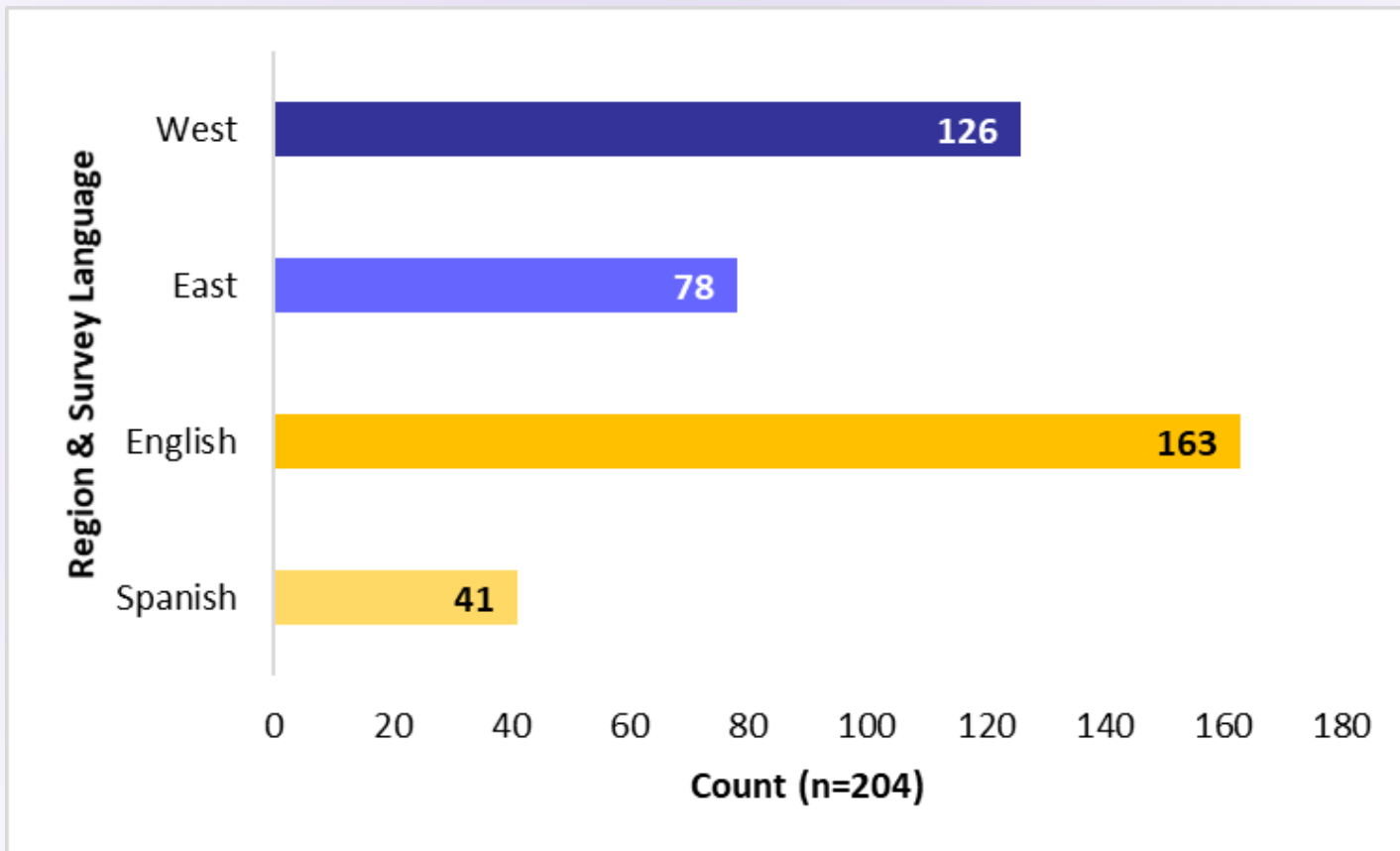|	Total Participants	Program Sites (N = 21)
HV Focus Group (N = 7)	45	11
HV Survey	21	10
Caregiver Survey	204	17

HV PAT Experience in Years

HV Survey Participants
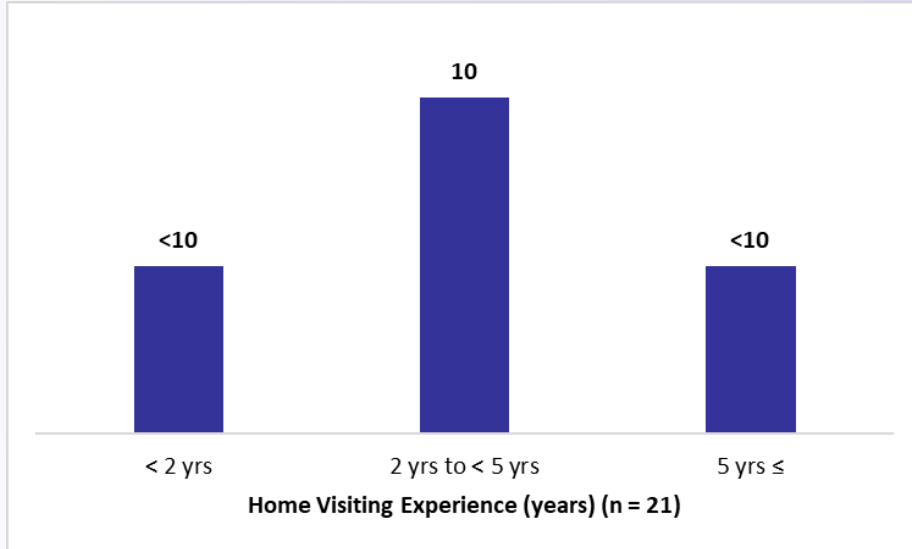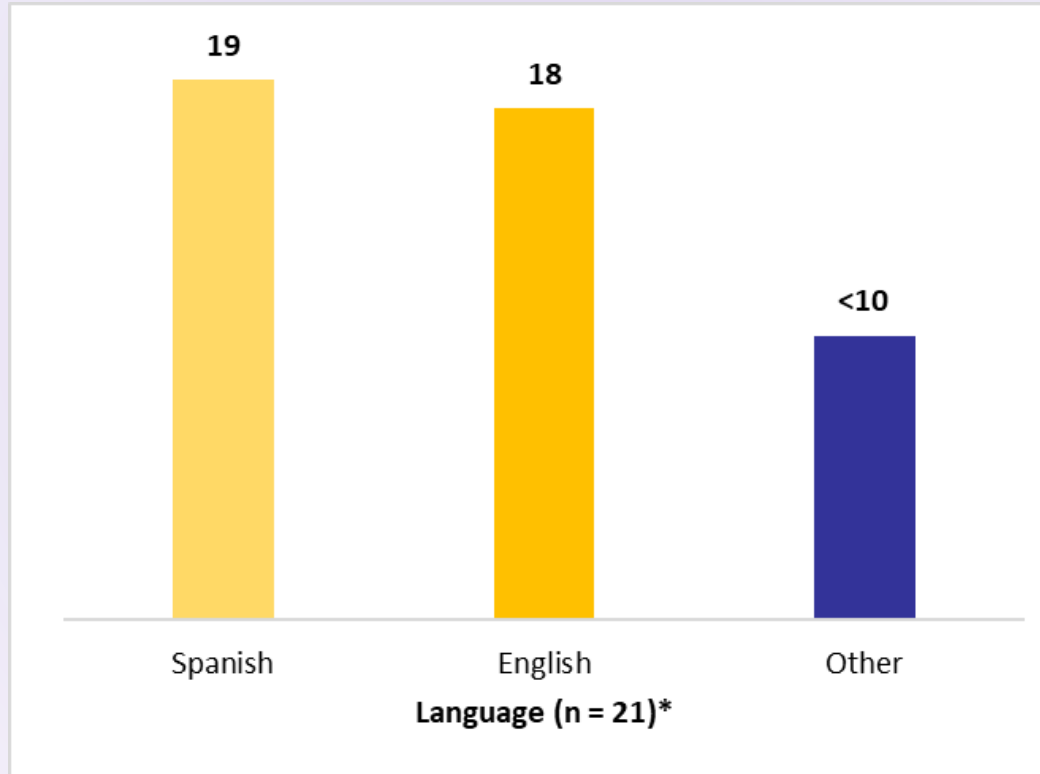
HV Focus Group Participants
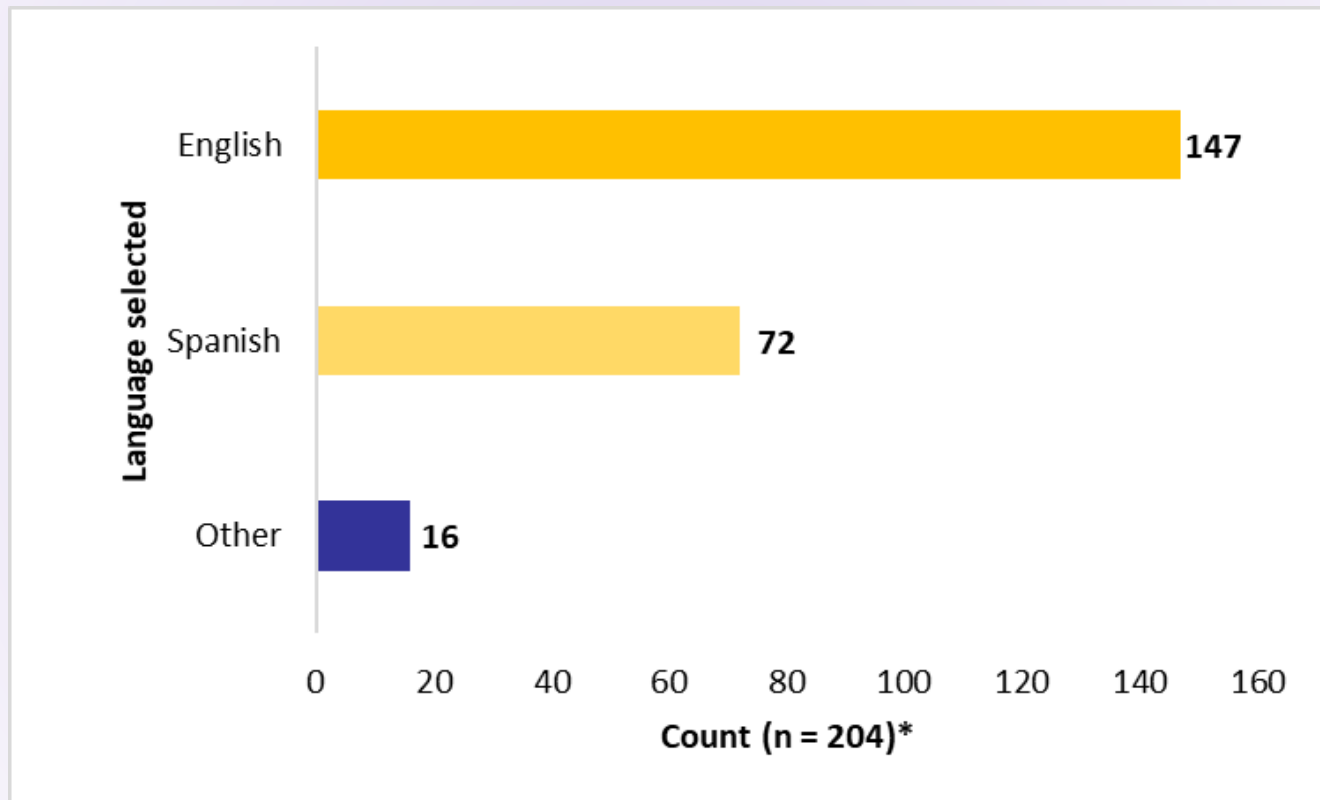
Caregiver Survey Participants

Languages spoken – HV Survey

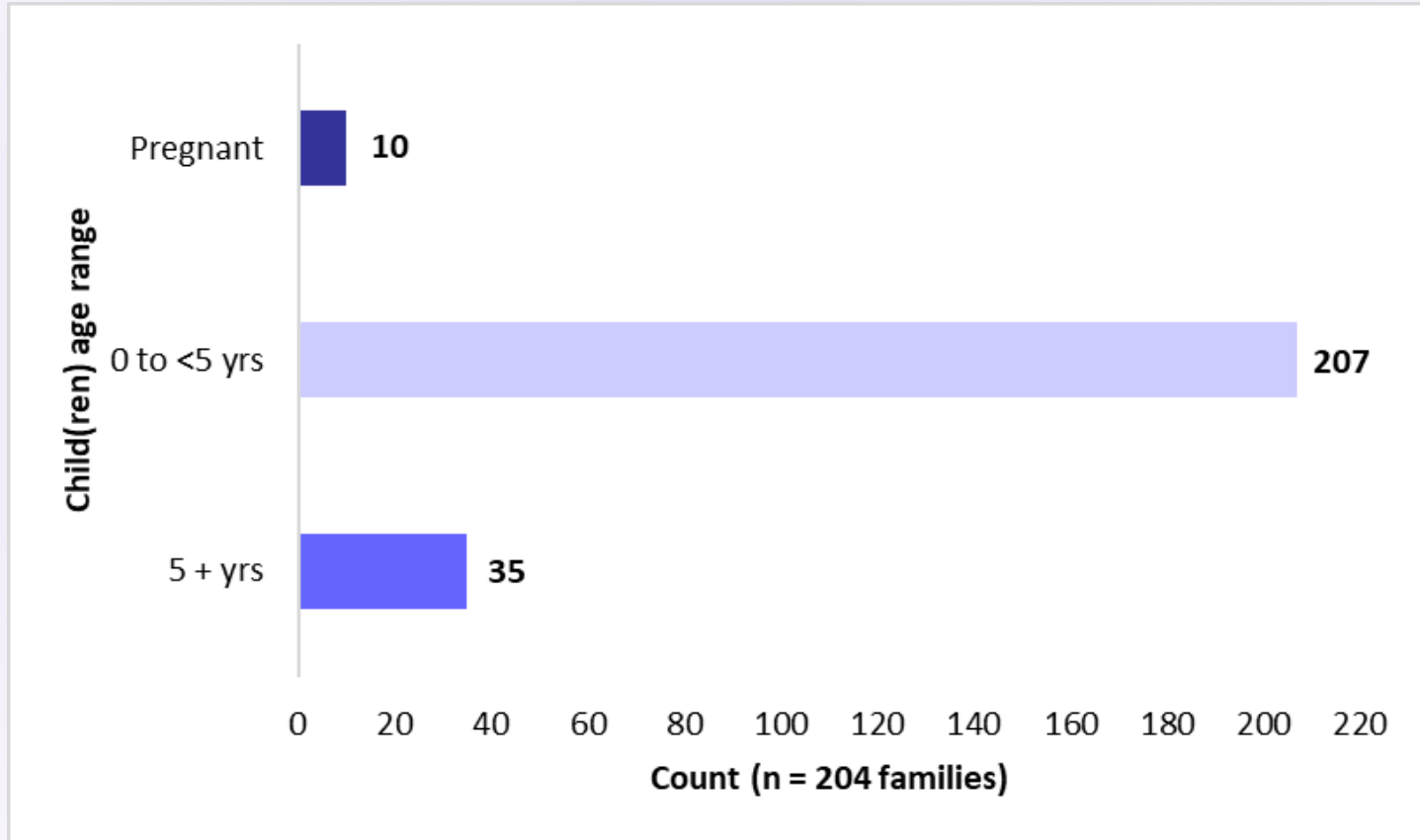*More than 1 language response allowed per survey participant

Languages spoken – Caregiver Survey
*More than 1 language response allowed per survey participant

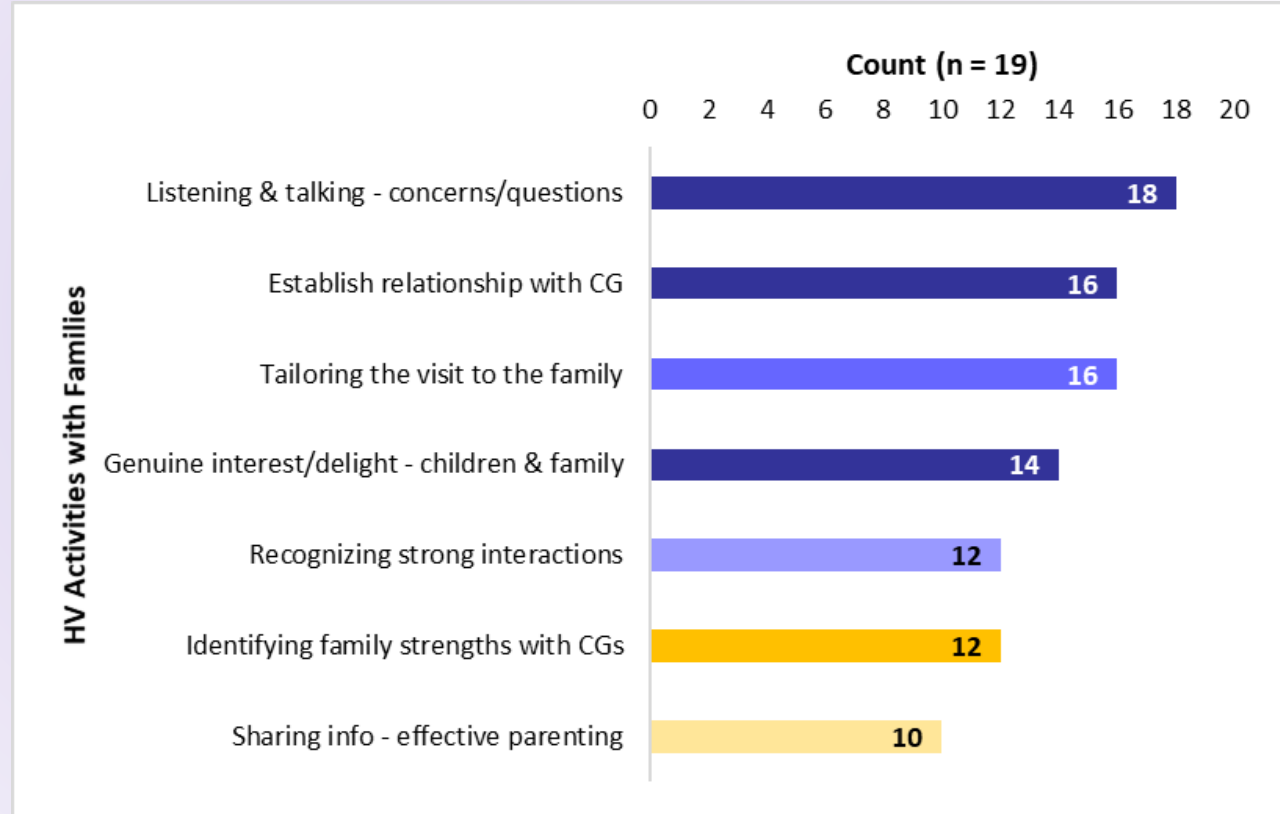# Ages of child(ren) – Caregiver Survey

Parent-child interaction Activities: HV Survey

**Top 2 themes**:
- Relationship
- Flexibility & Adaptability

Relationship
Flexibility & Adaptability
Parental validation
Following parental lead
Parenting aptitude

Count (n = 19)

HV Activities with Families	Count
Listening & talking - concerns/questions	18
Establish relationship with CG	16
Tailoring the visit to the family	16
Genuine interest/delight - children & family	14
Recognizing strong interactions	12
Identifying family strengths with CGs	12
Sharing info - effective parenting	10

Parent-child interaction Activities: Caregiver Survey

Top 2 themes:
- Relationship
- Goal setting & following up
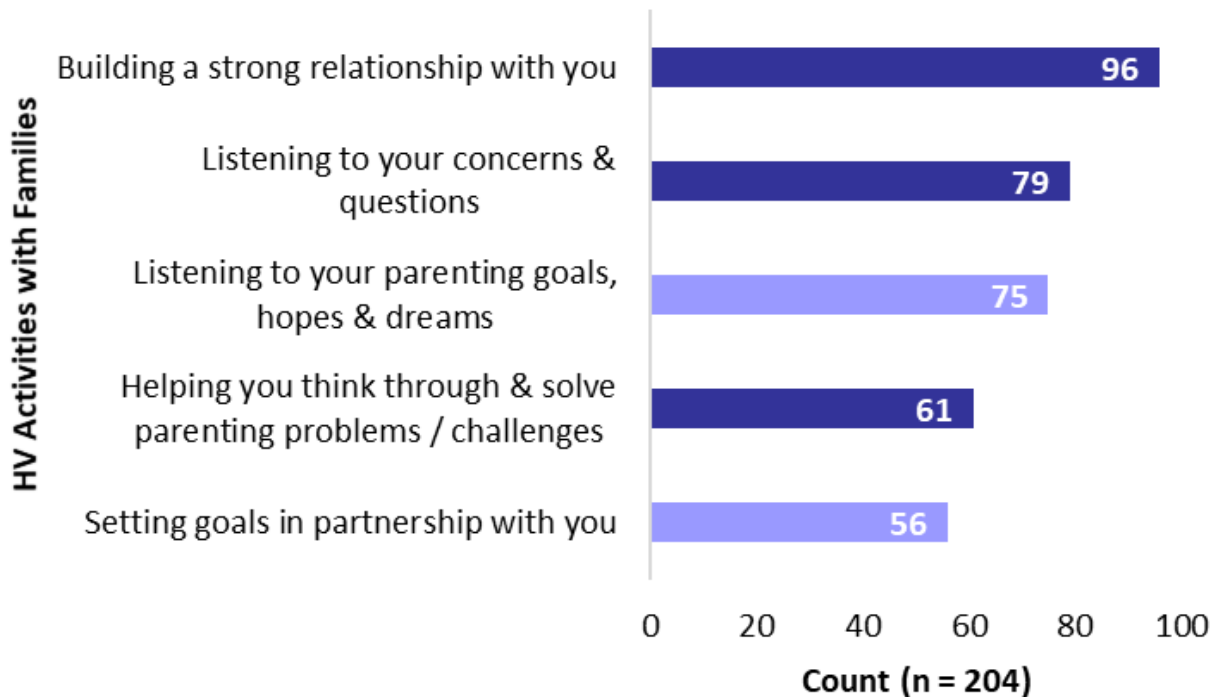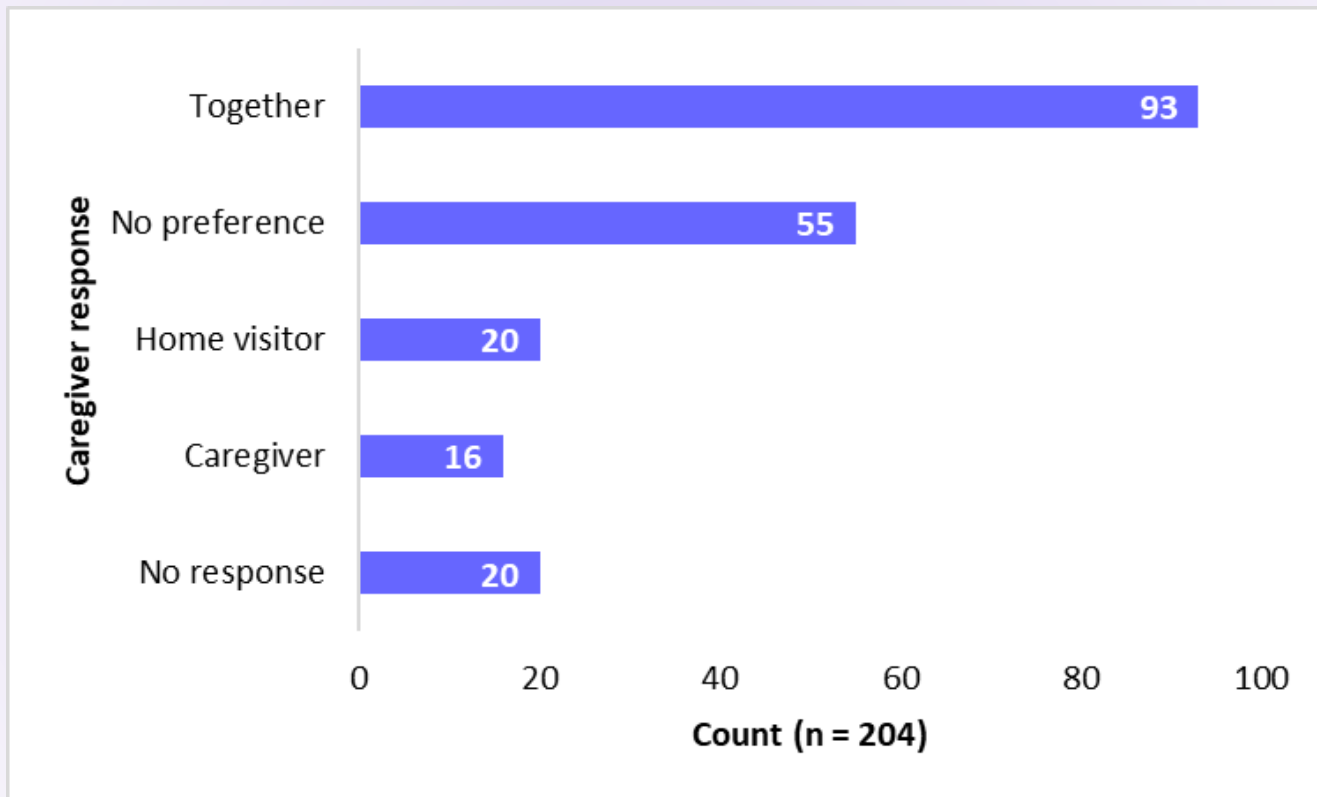

Relationship

Goal setting & following up

Parent-child Interaction Activities –

Themes: top 2 activities home visitors do to most support the caregivers' parenting

- Relationship
- Goal setting & following up
- Flexibility & Adaptability
- Communication
- Checking in

Caregiver Survey
Home Visitor Survey
Home Visitor Focus Groups

Caregiver preference: PCI assessment approach

Closing thoughts

Discussion & Conclusions

- Program sites 5+ languages – changes in caregiver participation before & during COVID

- Language is a key factor in relationship

- HFPI vs PICCOLO

- Cultural sensitivity – not a strong suit of any of these PCI tools

- Caregiver PCI approach preference: Together ❤️

Recommendation

PICCOLO

Future research work

- Measurement of parent/caregiver preference – PCI assessment approach
- Measurement of home visitor preference – PCI assessment approach
- Home visitors: is the work burden of a second PCI tool realistic & welcome?
- Cultural sensitivity – incorporating this into PCI assessment development

Acknowledgements

Thank you!

Contact information:

Susan Botarelli MSN, MPH-c, ARNP, FNP-BC

sb.susanbotarelli@gmail.com

720-249-9155

Appendix

Parent-Child Interaction Assessments

Table 1. A comparison of parent-child interaction assessment tools.

PCI Assessment Tool	Program Specific	Age range	Sensitivity to change over time°	Cost of tool (USD)	Multiple languages°	Training °	Administration time (minutes)
CHEERS Check-In	HFA	§	§	§	x	§	§
HFPI*^		Not Stated	somewhat	$49-79	x	minimal	15 -25
PICCOLO*		10 - 47 mo.	somewhat	$60	x	extensive	< 15
EAS	Research	0 - 5 yrs.	§	§	x	extensive	§
Three-Bag Assessment		14, 24, 36 mo.	§	$0		extensive	15 -25
DANCE ¤	NFP	0 - 2 yrs.	very	> $100	x	extensive	15 -25
HOME 3rd ed.¨		0 -2, 3-5 yrs.	somewhat	$50-99	x	minimal	< 15
NCAFS ¤							
NCAST ¤							

* preferred tool

¨ currently implemented by WA HVSA PAT

° citation Daro et al., 2017

§ unknown

^ not MIECHV-approved

¤ nurse home visitors only

yrs.: years

mo.: months

USD: US dollars

DANCE: Dyadic Assessment of Naturalistic Caregiver-Child Experiences

HOME 3rd ed.: Home Observation for Measurement of the Environment 3rd edition

NCAFS: NCAST Nursing Child Assessment Feeding Scale

NCAST: NCAST Nursing Child Assessment Teaching Scale

HFA: Healthy Families America (HFA, 2021)

NFP: Nurse-Family Partnership (Donelan-McCall, 2016)

Red font: not included in PCI tool review

Cultural Sensitivity:
More than language

HFPI
- Arabic
- Burmese
- French
- Hahka Chin
- Kinyarwanda
- Mandarin
- Pashto
- Somali
- Spanish
- Swahili
- Turkish

PICCOLO
- Brazilian Portuguese
- Dutch
- German
- Italian
- Spanish – Chile & Spain
- Turkish