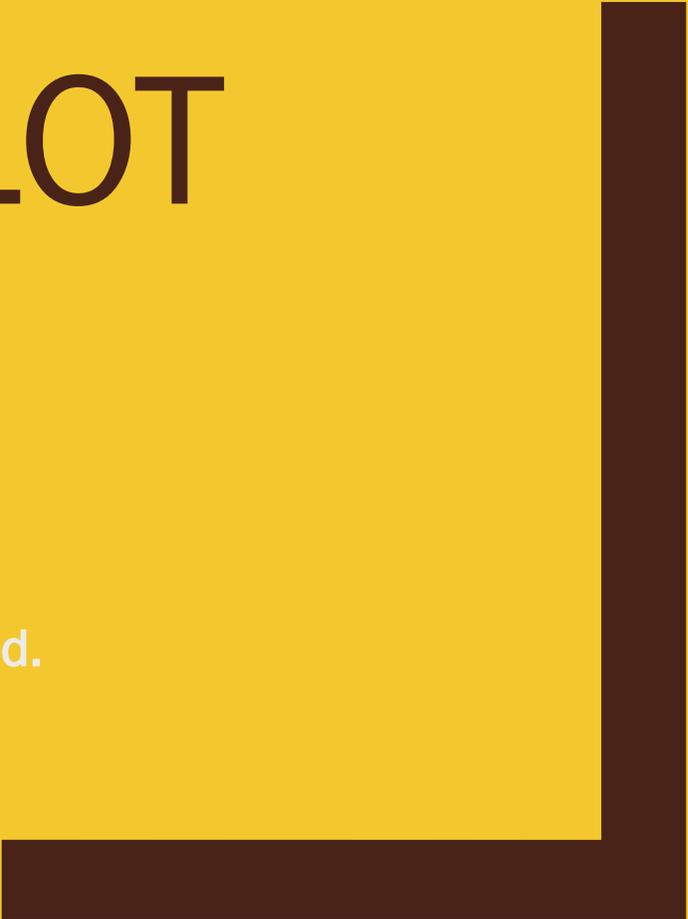




PEW DATA PILOT WEBINAR

Jan. 2018

Please note, this webinar will be recorded.



Overview

- **Pew's Purpose:** Explore feasibility of administrative data linkage.
- **Sample:** June 2014- July 2015 Participants from 10 home visiting programs across 17 counties
- **N= 927 families; 1,295 children**

Primary Caregiver & Household Descriptive Statistics

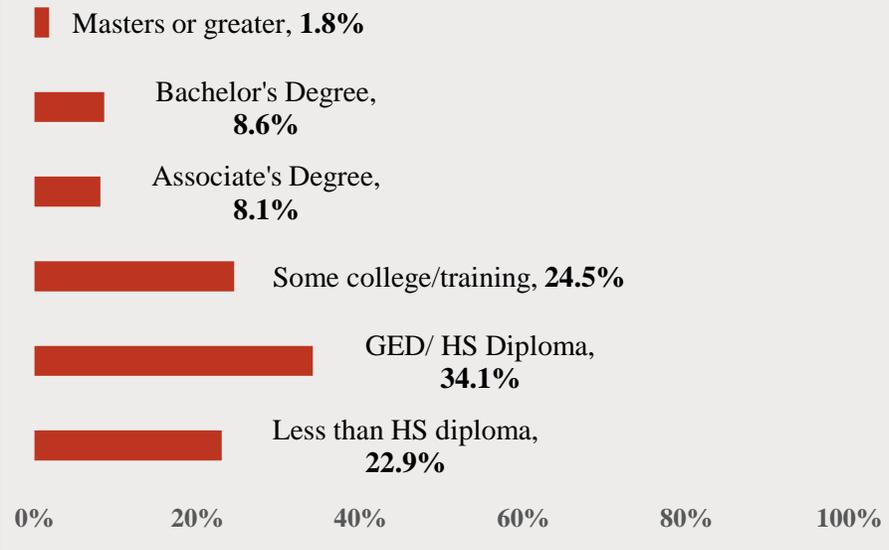
- Average time in program (total): **23.6 mo.**
 - Average time in program (for exited participants): **18.8 mo.**
 - Average time in program (for current participants): **30.8 mo.**
- Average primary caregiver:
 - Female (**97%**)
 - 26.7 years old
 - White, non-Hispanic (**64.3%**)
 - Household language: English (**85.3%**)
 - Household size: **3.7**
 - Income: **\$23,868.79**
 - Total # of home visits: **32**
 - Home Visits per month: **1.5**

Primary Caregiver & Household Descriptive Statistics

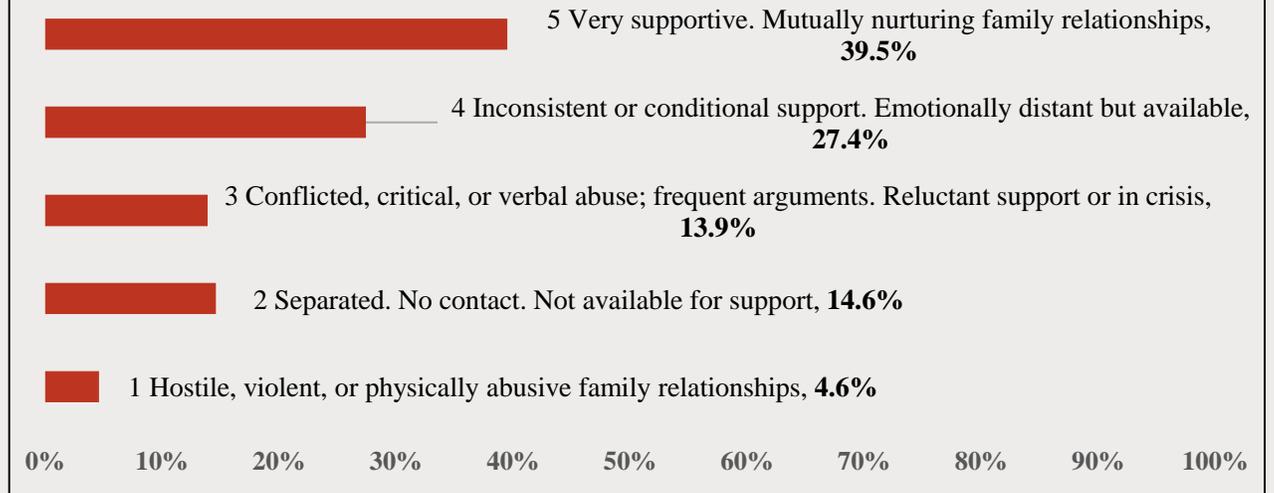
- Household % of Federal Poverty Level (FPL) at enrollment:
 - Median: **78.3%**; SD: 1.0; Range: 0-880%
- Positive EPDS **Depression** screens: **26.1%** (n=449)
- Female primary caregivers enrolled with <HS degree/GED who are now enrolled in school or who have obtained their HS degree/GED: **27.7%**
- Primary caregivers who smoked/ used tobacco at enrollment who decreased their smoking/tobacco use: **32%** (n=222)

Primary Caregiver & Household Descriptive Statistics

Primary Caregiver Education at Enrollment



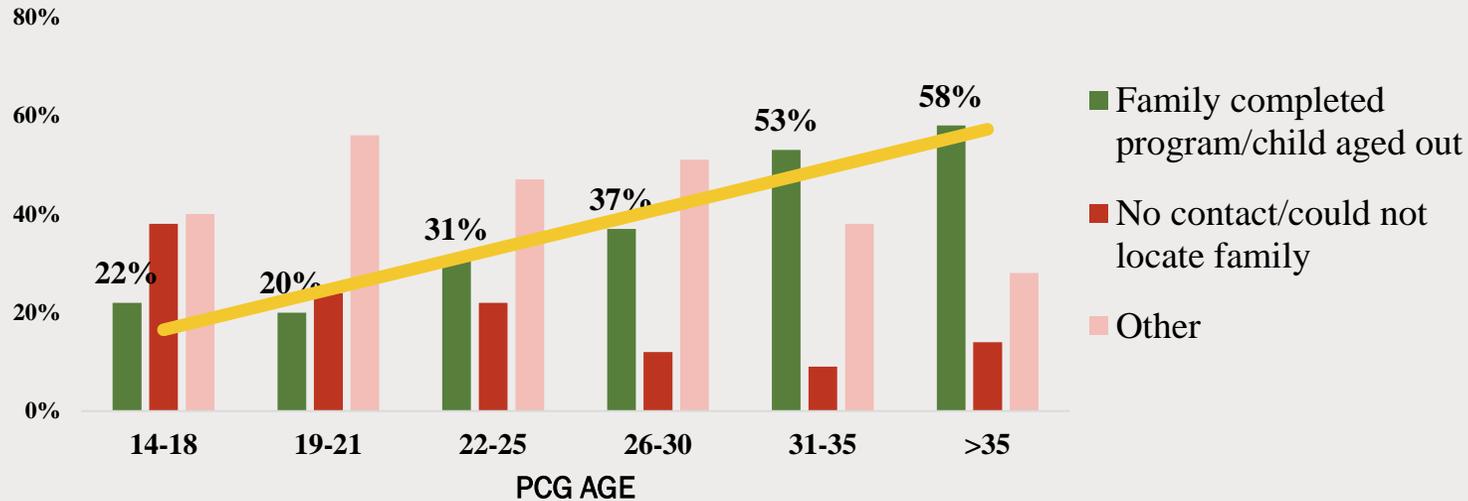
Caregivers's relationship with boyfriend, FOB, or spouse at enrollment



n=869. Note that all ½ scores are rounded down (i.e. 1.5 included with 1 Hostile, violent...).

Correlations

Successful Completion of Program ↑ as Age of PCG ↑



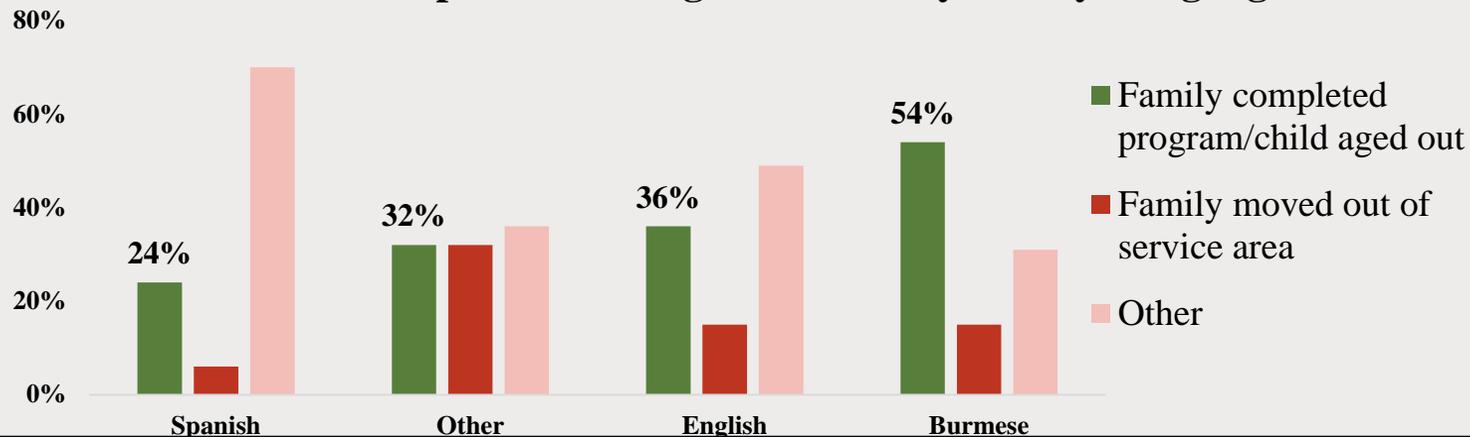
❖ Does this reflect what you're seeing in your programs?

❖ What is the story behind this data?

❖ A few notes:

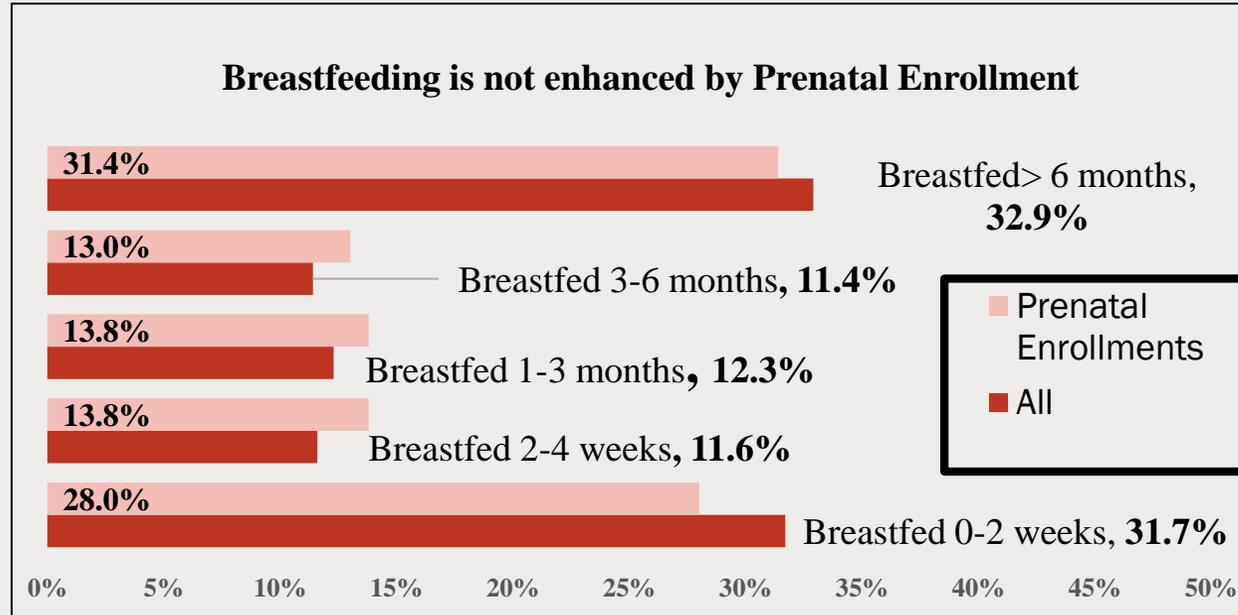
- ❖ Differences in completion by language not due to older pcgs in these groups (Burmese pcgs youngest).
- ❖ Also not explained by program differences (i.e. one program has all Burmese families and performs better)?
- ❖ Also not due to child age differences:

Successful Completion of Program Varies by Family Language



Household Language	Average Age @ Enrollment
English	6.6 mo.
Other	5.4 mo.
Spanish	1.8 mo.
Burmese	-0.6 mo.

Prenatal Enrollments

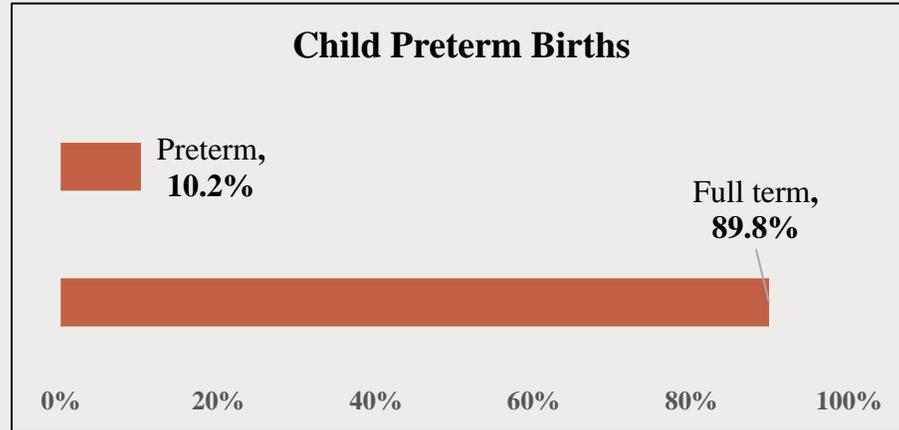


All: n= 438; Prenatal enrollments: n=239

Prenatal enrollment = where ≥ 1 child's DOB is after the enrollment date. Date of completed LSP not checked against this date, but most recent LSP used.

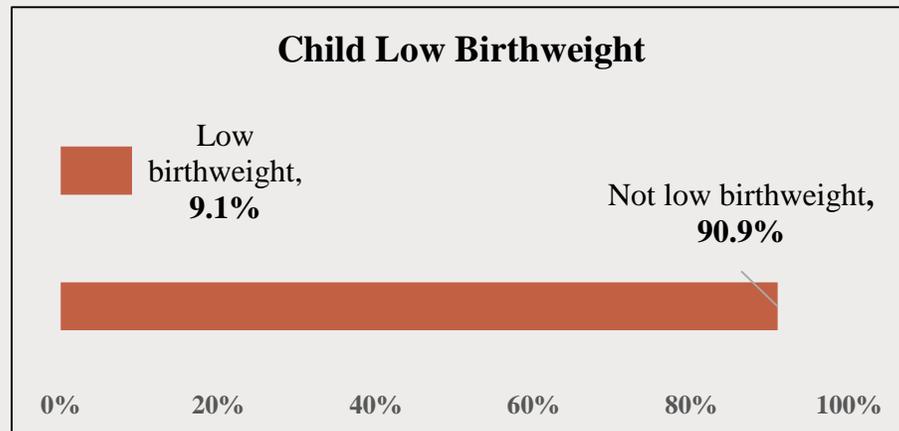
- However, prenatal enrollments are higher risk in other areas (education, income, race), so more sophisticated data analysis needed.

Child Descriptive Stats



n= 826

lowa preterm birth rate: 9.0% (2014, March of Dimes)



n= 828

lowa low birthweight rate: 6.7% (2014, March of Dimes)

	Full term	Preterm	Total
Prenatal >180 days	96.4%	3.6% (FSSD: 5.2%)	112
Prenatal 91-180 days	95.2%	4.8%	104
Prenatal 0-90 days	89.0%	11.0%	82
Postnatal	87.5%	12.5% (FSSD: 8.2%)	528
Total	742	84	826

	Not low birthweight	Low birthweight	Total
Prenatal >180 days	98.1%	1.9% (FSSD: 3.3%)	105
Prenatal 91-180 days	88.5%	11.5%	104
Prenatal 0-90 days	91.5%	8.5%	82
Postnatal	89.9%	10.1% (FSSD: 5.4%)	537
Total	742	84	828

To do: Look at 1st v. subsequent child in program- is it the enrollment prenatally or total time in program (i.e. with a 1st child) that makes the difference?

- Does your program seek to enroll prenatally?
- What are some successful strategies you have implemented to obtain enrollments prenatally?
 - What are some barriers to this?*

LSP Outcomes

LSP Nurturing Change	%
Improvement	35.3%
No Change	49.3%
Decline	15.4%

LSP Discipline Change	%
Improvement	30.7%
No Change	46.4%
Decline	23.0%

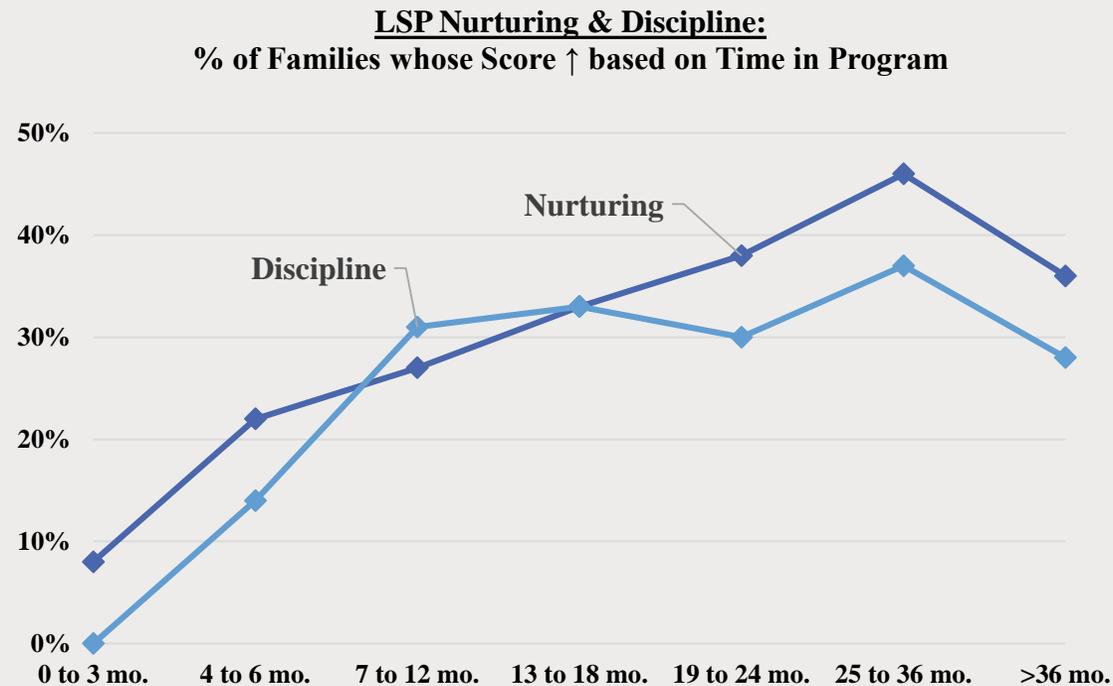
- ❑ Organizational range for Nurturing improvement: 3-56%.
 - ❑ What does this really tell us since the LSP is based on home visitor perception?

- ❑ Organizational range for Discipline improvement: 14-48%

- ❑ What other outcomes we should look at?

LSP Outcomes

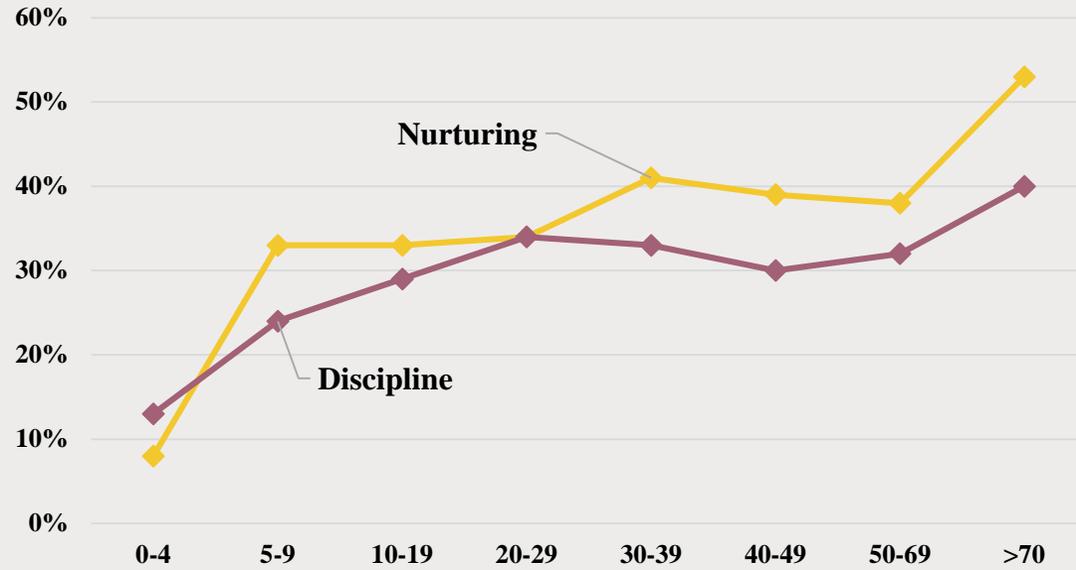
- ❖ Moms who enroll prenatally have slightly lower Initial Nurturing and Discipline scores than postnatal enrollments, and about the same increase across program enrollment.



LSP Outcomes

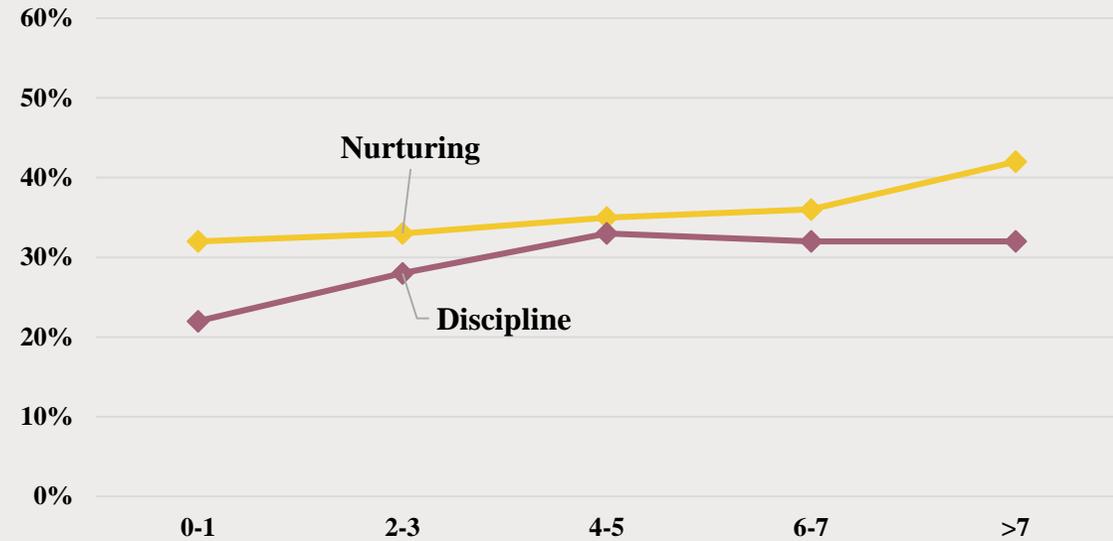
LSP Nurturing & Discipline:

% of Families whose Score ↑ based on Total # of Home Visits



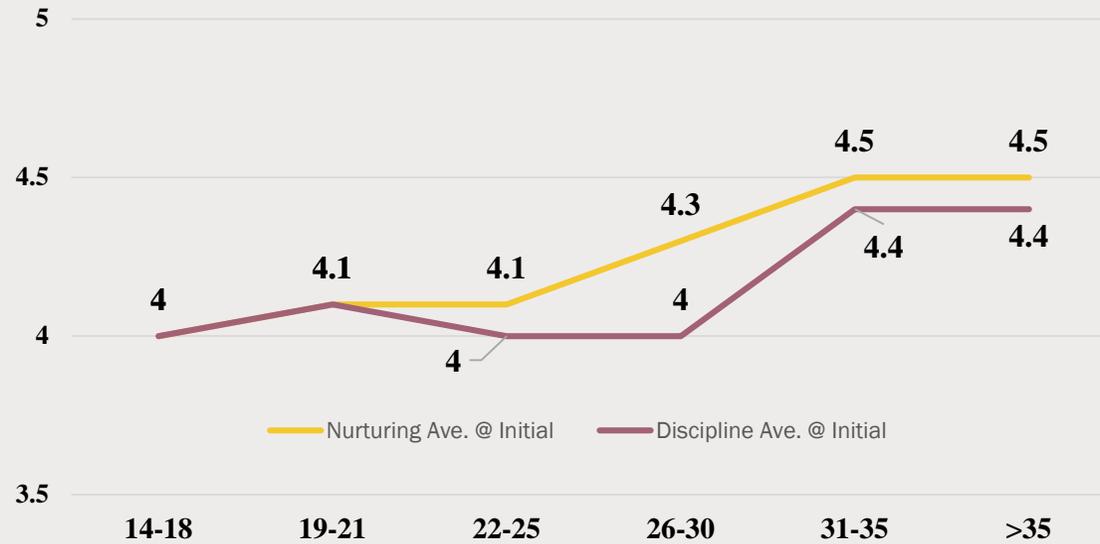
LSP Nurturing & Discipline:

% of Families whose Score ↑ based on # of Home Visits/ Quarter (Dosage)

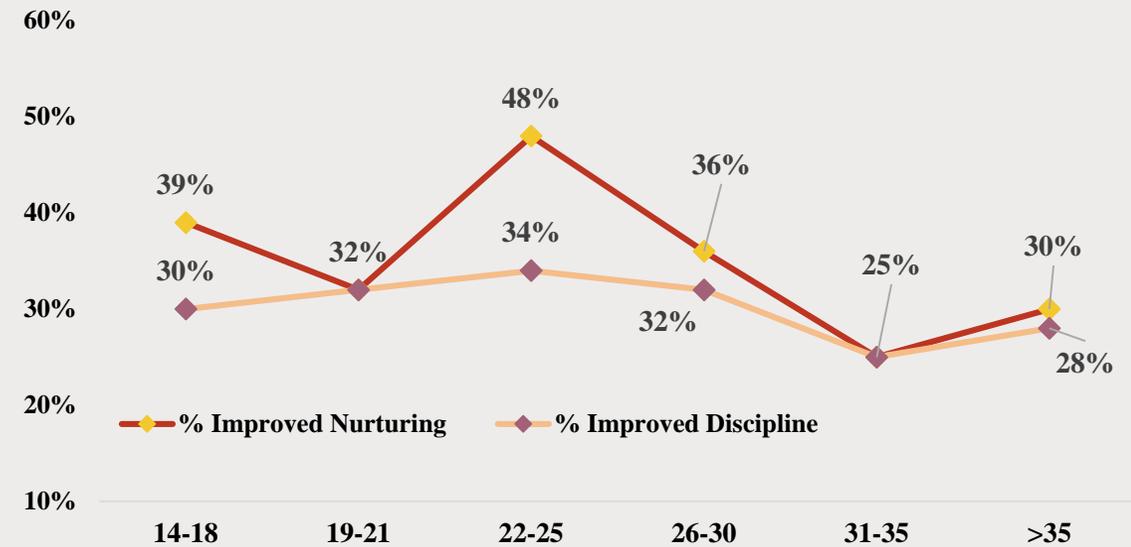


LSP Outcomes

Initial LSP Nurturing & Discipline Scores by Age of PCG



LSP Nurturing & Discipline Improvement by PCG Age



Discussion

- Did any of this data surprise you?
- Will any of this data be useful in decision-making, program planning, etc.?
- What else would be useful for you to know (within or beyond this dataset)?
 - *What other data can look at to determine for whom hv is most effective?*
 - *Programmatic factors of effectiveness?*