Nurture: reimagining the childcare experience

Caitlin Kunchur, Diya Sabharwal, Emmanuel Corona, Vardhan Agrawal

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Our Team







Caitlin Kunchur

Senior Biomedical Computation

Vardhan Agrawal

Junior Computer Science

Emmanuel Corona

Sophomore Symbolic Systems

Diya Sabharwal

Junior Computer Science

Why caregivers?

- Raising and supporting the growth of a child is not an easy task
- Support is often defined by multiple influences: family, friends, etc. → every journey is different
- New caregivers may face mental and physical challenges
- Caretakers may benefit from having digital resources to support their actions

"It takes a village to raise a child"



Photo by Marcin Jozwiak on Unsplash



02 Interviewing Methodology

Our Participants



Amanda - Palo Alto, CA

Elementary school teacher for 25 years + 1 son



Scott - NY/CA

Pediatric cardiologist + father of 3 children



Nancy - Palo Alto, CA

Perinatal health educator for 40 years + mother of 3



Ramik - New Delhi, India

Gynecologist - prenatal care

Our Recruitment Approach

Each member took advantage of personal network to source interviewees

Crowdsourcing potential interviewees through Stanford faculty and staff

Went out into the "field" - schools, playgrounds, etc.

Interviewee chain - ask for recommendations

Sourcing extreme users through social media

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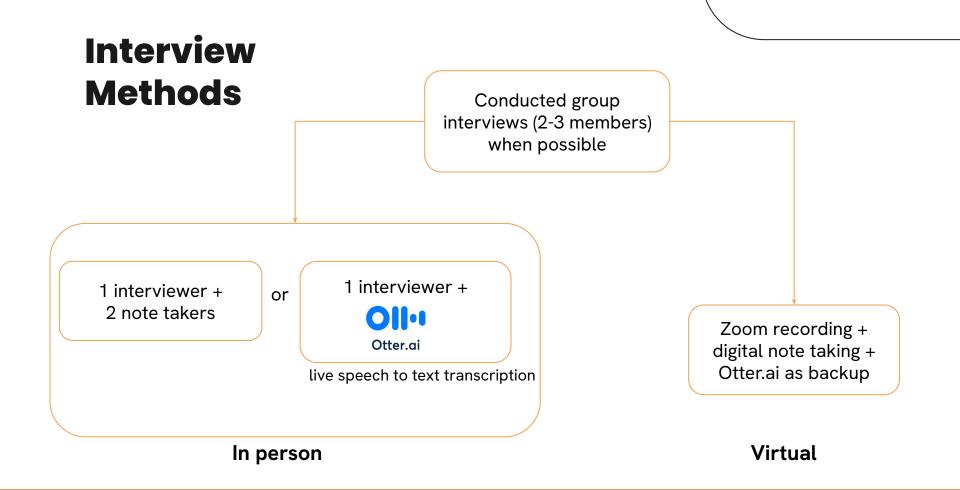
Crowdsourcing potential interviewees through Stanford faculty and staff

Went out into the "field" nursery school, playground, etc.

Sourcing extreme users through social media

Interviewee chain - ask for recommendations

*"compensated" in some cases by getting to pet Snuffles the Chihuahua!



Guiding Questions

Emotional Journey

Tell us about a particularly exciting moment in your childcare experience.

Trust

How did you navigate different sources of advice and learn what to trust?

Roadblocks

What roadblocks hamper(ed) you from performing your childcare duties to the fullest?

Finding spaces for intervention

What aspect of your work in childcare do you not enjoy/ understand the least?

Understanding Context

What is the demographic of the communities you serve as a professional in childcare?

Instilling Values

What was the process of teaching your child(ren) basics of the world like?

03 Interview Results

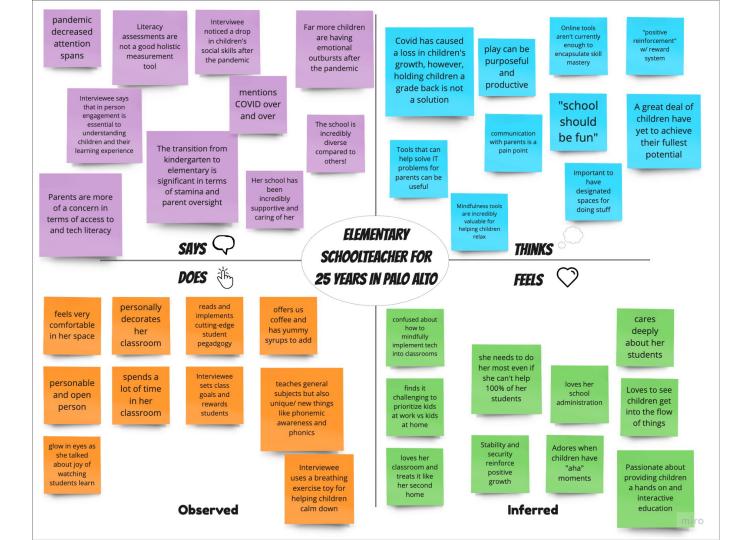
Amanda







Empathy Map



Key Quotes & Insights

Key Quotes/Insights

En

Education Rift

"And so I noticed a lot of things...the give and take in conversations sometimes is a lot more one sided than usually happens developmentally at this age."

She worries post covid children have an emotional development disadvantage that will impact long term potential if unconfronted



Generation Divide

"And you know, if the kid has the Chromebook to do the homework on, it doesn't mean that the parent has a laptop that they can communicate with the teacher on."

Parents matter just as much as children in closing the digital divide and ensuring meaningful access to critical information

Missing Context

"But I think there's a lot you can't tell, especially about reading from just looking at a score on a computer like I can't, I don't see oh, did their eyes look at the picture to help them?"

Recognizes that the measurement of complex matters like learning effectiveness in a numerical form is insufficient



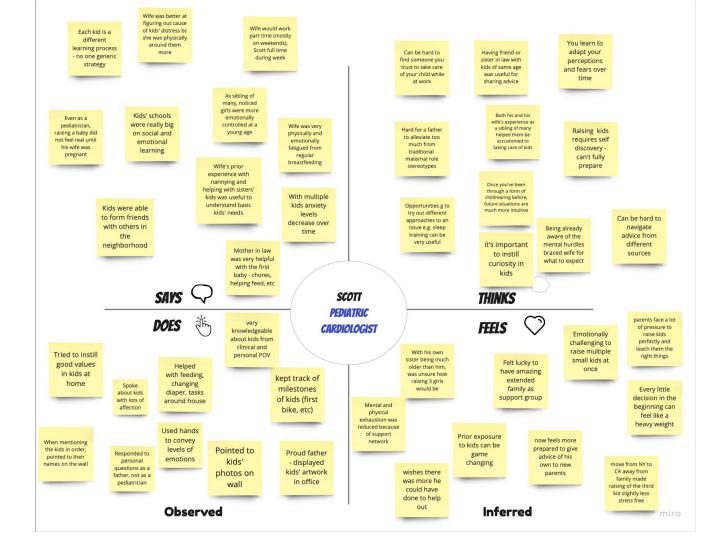




Stanford Children's Hospital

			- 3
DIRECTORY			
750 Welch Road			
NAME	SUITE	NAME	SUIT
Stanford University School of Medicine		Stanford Medicine Children's Health	
Abdominal Transplant Surgery	319	Advanced Practice Program	21:
Adolescent Medicine 210		Bass Center Clinical Programs	215
Allergy & Asthma Research Program 114		Clinical Nutrition	214
Child Neurology 317			
Hematology, Oncology, Stem Cell 200/224 Transplantation and Regenerative Medicine Pediatric Cardiology 305 315 324 per		Staff Support	
		Conference Room 220	220
Pediatric Gastra and		Lactation Room 220A	220A
Hepatology, and Nutrition 104,	104, 116	Mailroom	
Urology, Pediatric Urology			306
and brokedy	218		

Empathy Map



Key Quotes & Insights

Key Quotes/Insights

No generic solutions

"so much of it is trial and error for that individual child... for each of the kids, it works a little differently"

What works for one kid might not work for another so even prior experience isn't fully reliable.

Self discovery

"we try all these different things that we read in all these books.. our parents would give us advice you try XYZ..and it didn't work. you have to find out what works for your particular child"

Books and outside advice will only go so far. You learn a lot on the job. Be prepared to veer off course.

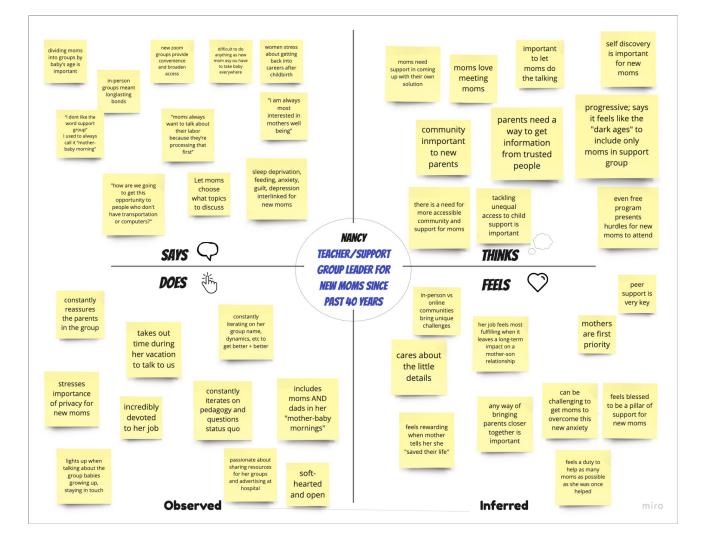
Pressure

"You know, always thinking about, oh my gosh, how is that affecting them?... should I have that I made that decision?"

New parents will weigh every decision with a lot of anxiety in order to try to be perfect.



Empathy Map



Key Quotes & Insights

Key Quotes/ Insights

"If the mother is happy, the baby is happy"

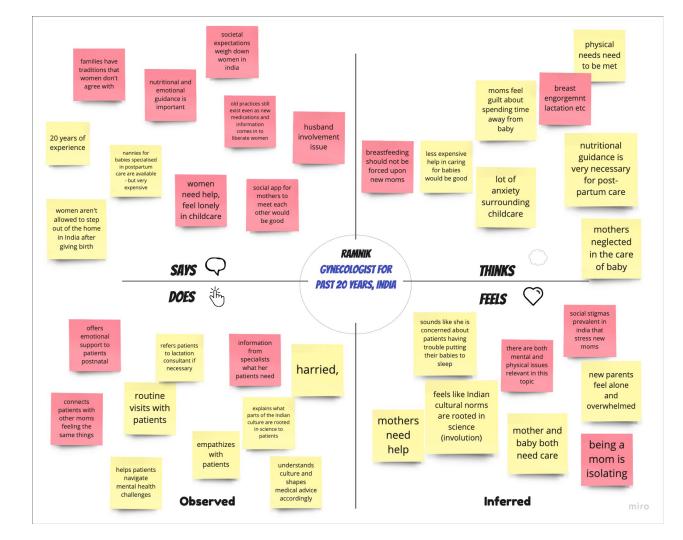
Nancy always puts her mothers first, knowing that they need to take care of themselves first in order to support their baby *"I don't like the word 'support group' – I used to always call it "mother-baby mornings…"*

Nancy is mindful and recognizes moms don't want to feel like they are in "need of support" but rather are just part of a community "How are we going to get this opportunity to benefit women who are not in the middle range? It is a challenge for people who don't have transportation or computers..."

Despite being a free program, Nancy is aware of and saddened by many socioeconomic hurdles that women face with regards to access to the resources she offers

Ramnik

Empathy Map



Key Quotes & Insights

Key Quotes/Insights

En

Mental Health

"I have seen some of the patients feel alone and stressed because [the] baby doesn't sleep at night, and they're up all night feeding the baby."

Dr. Ramnik cares about her patients' mental health and worries about parents having to trade sleep for childcare.



Societal Neglect

"I've seen my patients very excited during the prenatal [period], but postpartum care is kind of neglected."

She worries about the potentially harmful public perception that mothers' work is done after childbirth.



Cultural Context

"So traditionally, in India, women are not allowed to step out of the home for at least six weeks, the time involution of all the organs is happening."

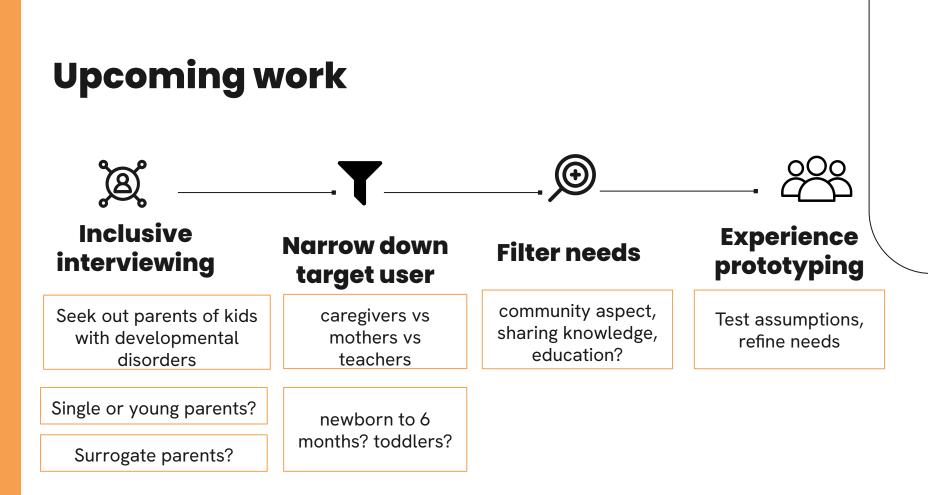
The doctor is from India, where cultural norms surrounding childbirth are closely linked to healthcare.



Summary

Key Insights about childcare

Self-discovery	Support	Age group disparities
Self-discovery is just as (if not more) important than outside advice	A strong support group and network of peers can be critical for relieving stress	Can't bundle all "childcare" together even if seemingly similar in age



-THANKS!

Any questions?

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