



Pediatric Asthma Care in Communities

| IxD Workshop | Spring 2015 | Community Team

Hydrocortisone Cream
USP, 2.5%
Rx Only

NET WT 28 g

Asthma is a substantial problem in impoverished communities.

130,000

Children suffering with asthma in Chicagoland

1,500+

Number of CHWs needed to serve all asthmatic children in Chicagoland



Nearly 60% of asthmatic children in Chicago had a severe attack in the last year

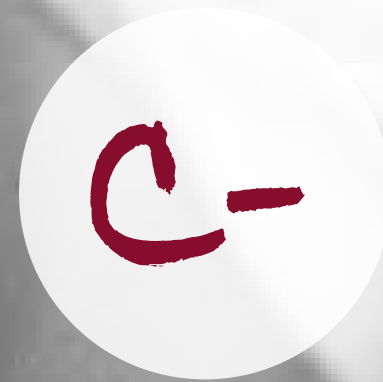
~30

Number of dedicated CHWs working with asthmatic children in Chicagoland









The CHW's perspective



Thu
Supervisor



Jessica
Supervisor



Madeline
CHW



Rhonda
CHW

“During the baseline visit our CHWs, (...), they do some sort of magic and **through their interaction the participant are able to build that trust and relationship.** That is all because of the qualities that they possess.”

“I think it is really about having **key players working together.** The better the partnership, the better help we can give to patients. Having both of those, that is the key.”

“**Gang violence** in the neighborhood is the biggest issue. You must stay **watchful, mindful, prayerful.**”

“In a typical day our CHWs go on **one or two visits a day.** We typically just restrain it to at most three visits because more than three is a lot to handle in one day.”

Insights

RESPONSIBILITIES

They collect data and have expertise and hands-on knowledge.

BACKGROUND

They are from the same neighborhood as the participants, so they feel their hardships.

CHW QUALITIES

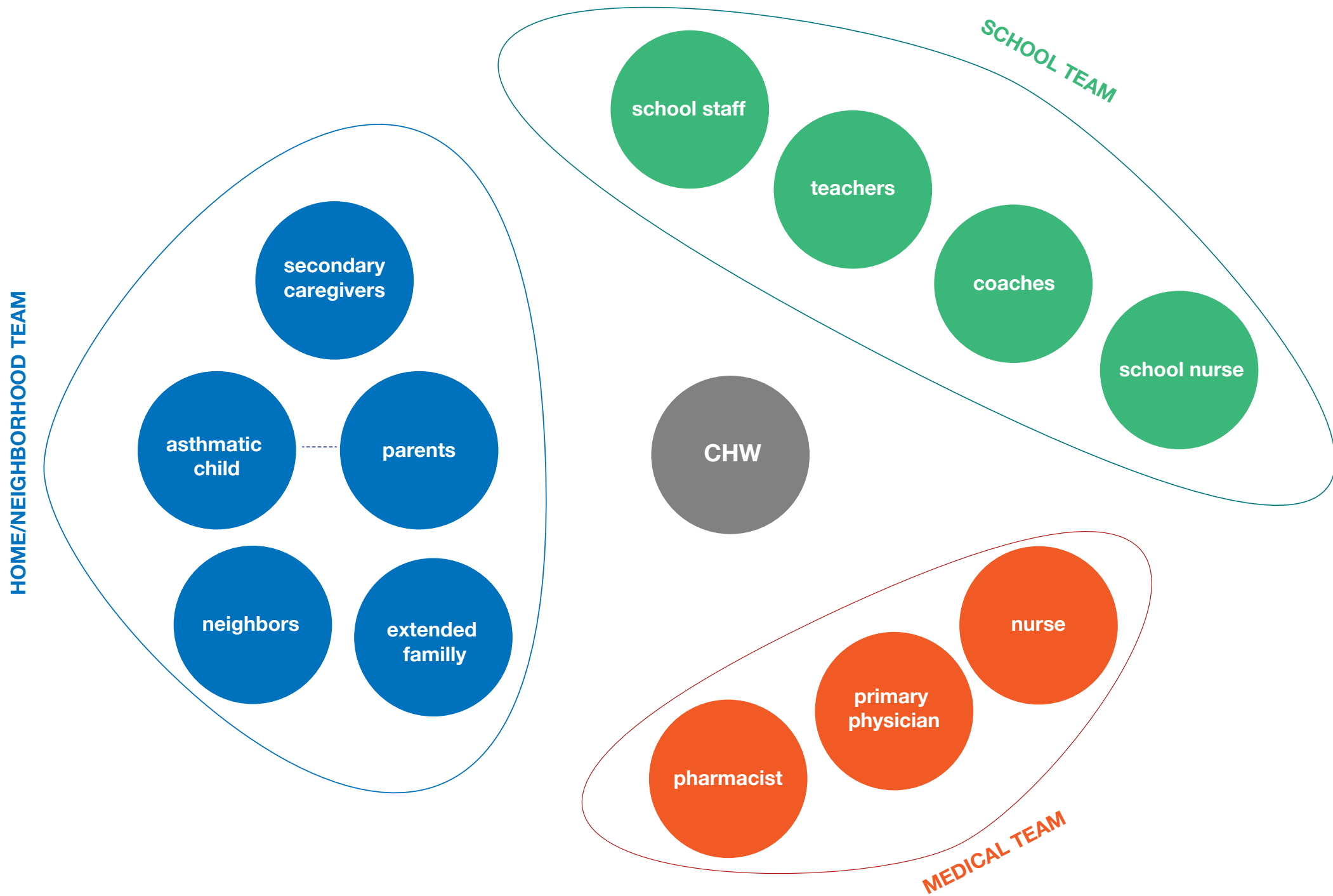
They wear many hats: educator, therapist, advisor. Helping families with more than just asthma, but other life issues.

COMMUNICATION

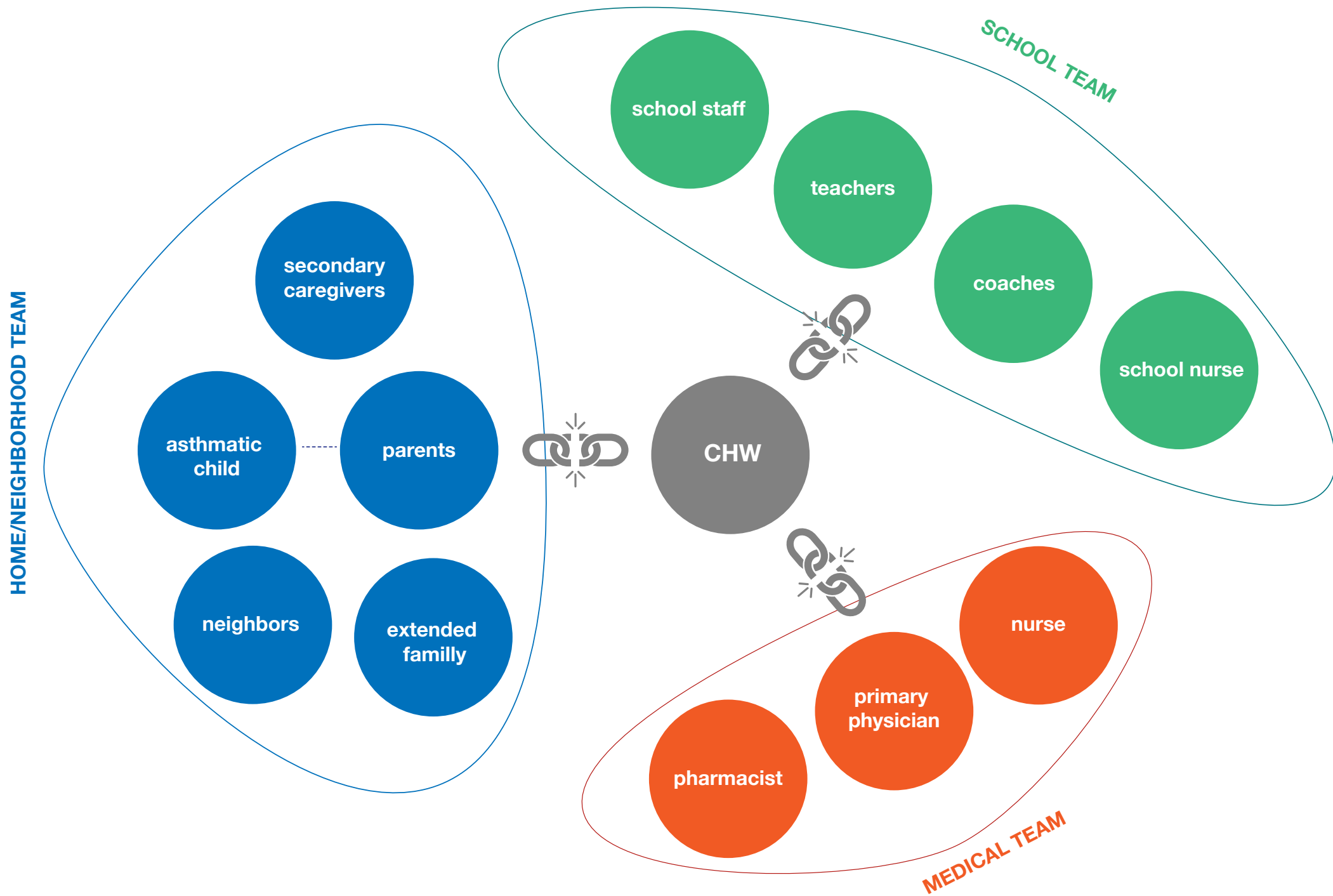
There are many different stakeholders to reach out, but limited time and tools.



Pediatric asthma care teams

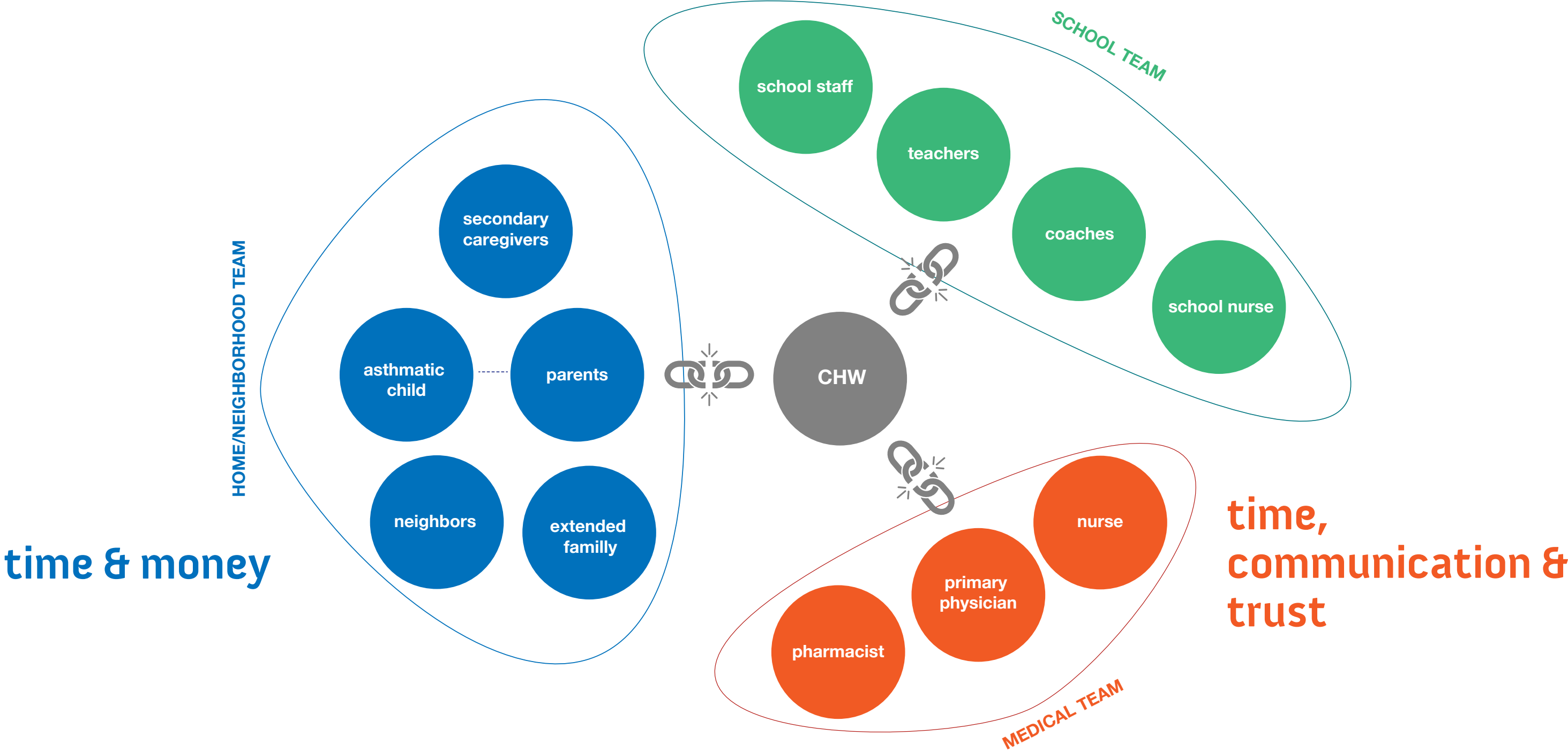


Pediatric asthma care teams



Mismatched priorities

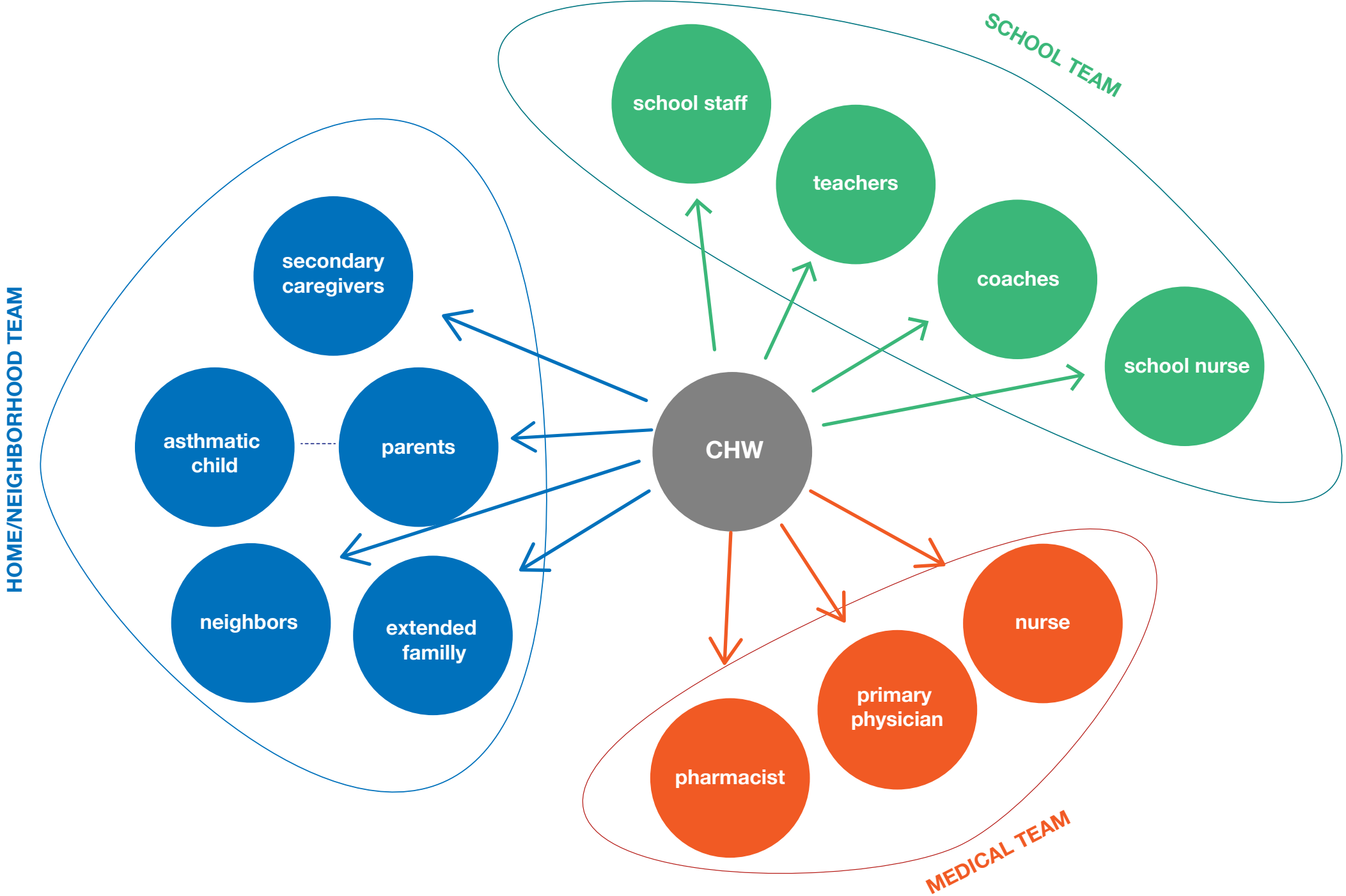
school performance & awareness



Biggest challenge

There is a lack of communication between different stakeholders. As a result, people are not on the same page working against asthma.

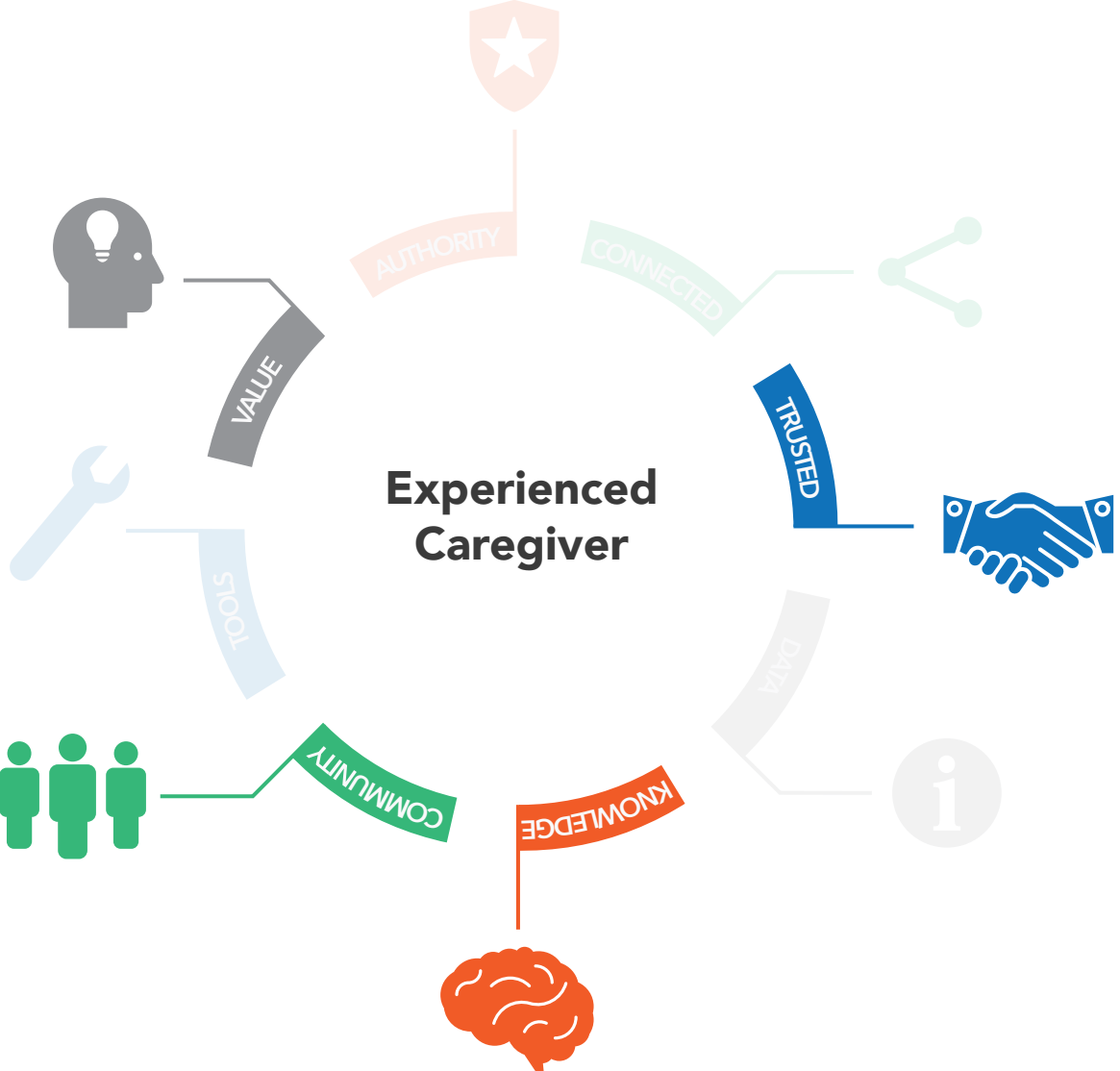
Current solutions are inefficient



Looking forward

Could there be a future where all parties communicate with each other?

We found an underutilized resource in the community: experienced caregivers—parents of asthmatic children that have had hands-on knowledge about asthma care.



How might we unlock the knowledge of experienced asthma caregivers in order to create a self-sustaining network?

Introducing

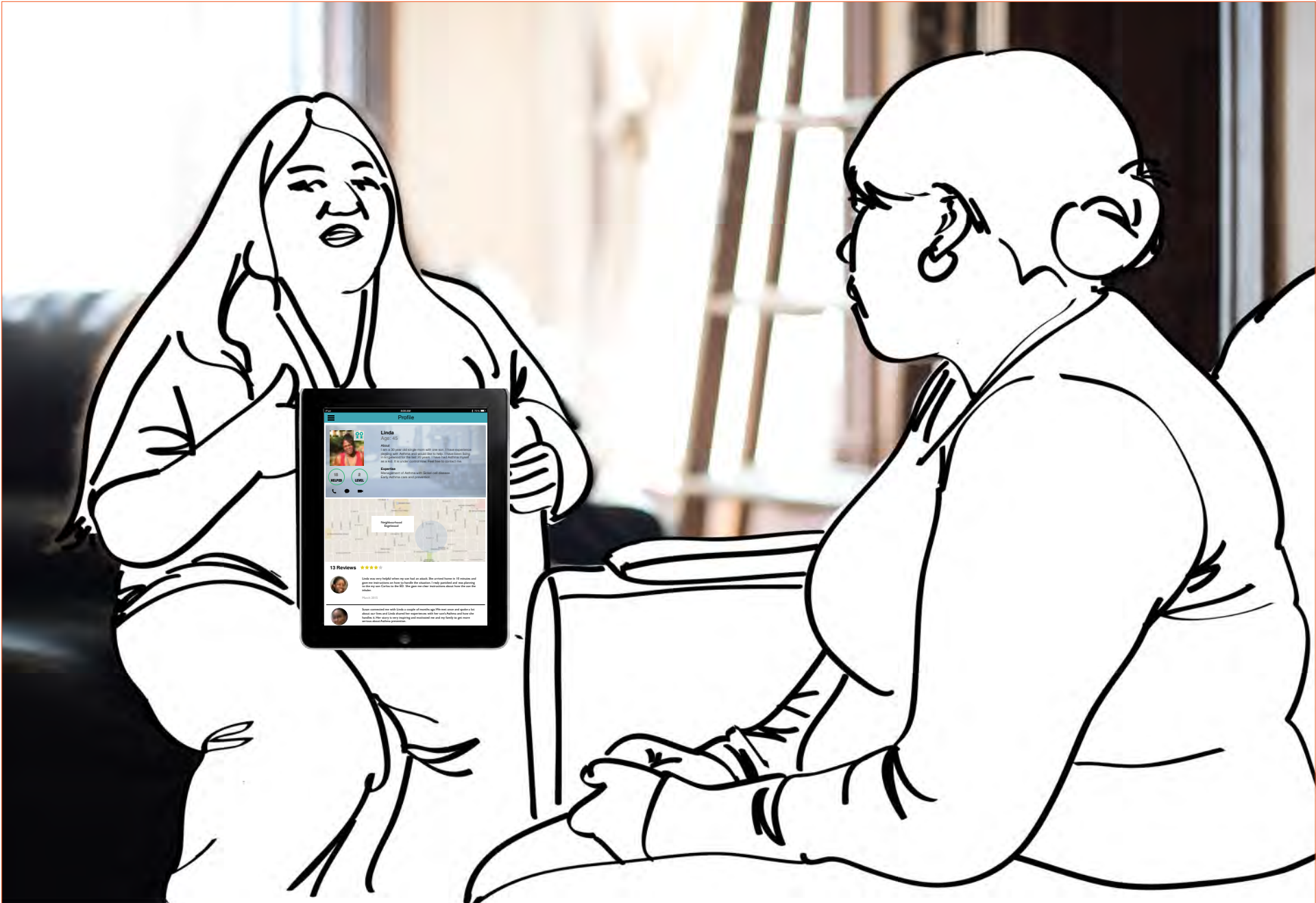
Radius is a platform enabling experienced caregivers to become mentors and connect them with families in need.




First emergency department visit



CHW's first home visit and primary mentor selection



Profile



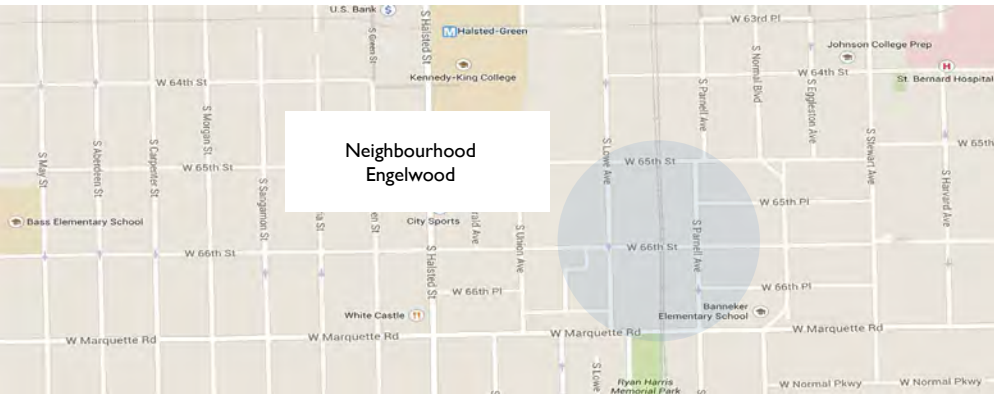
Linda
Age: 45

About
I am a 30 year old single mom with one son. I have experience dealing with Asthma and would like to help. I have been living in Engelwood for the last 20 years. I have had Asthma myself as a kid. It is under control now. Feel free to contact me.


Expertise
Management of Asthma with Sickel cell disease.
Early Asthma care and prevention.

13
HELPED

2
LEVEL




13 Reviews ★★★★★



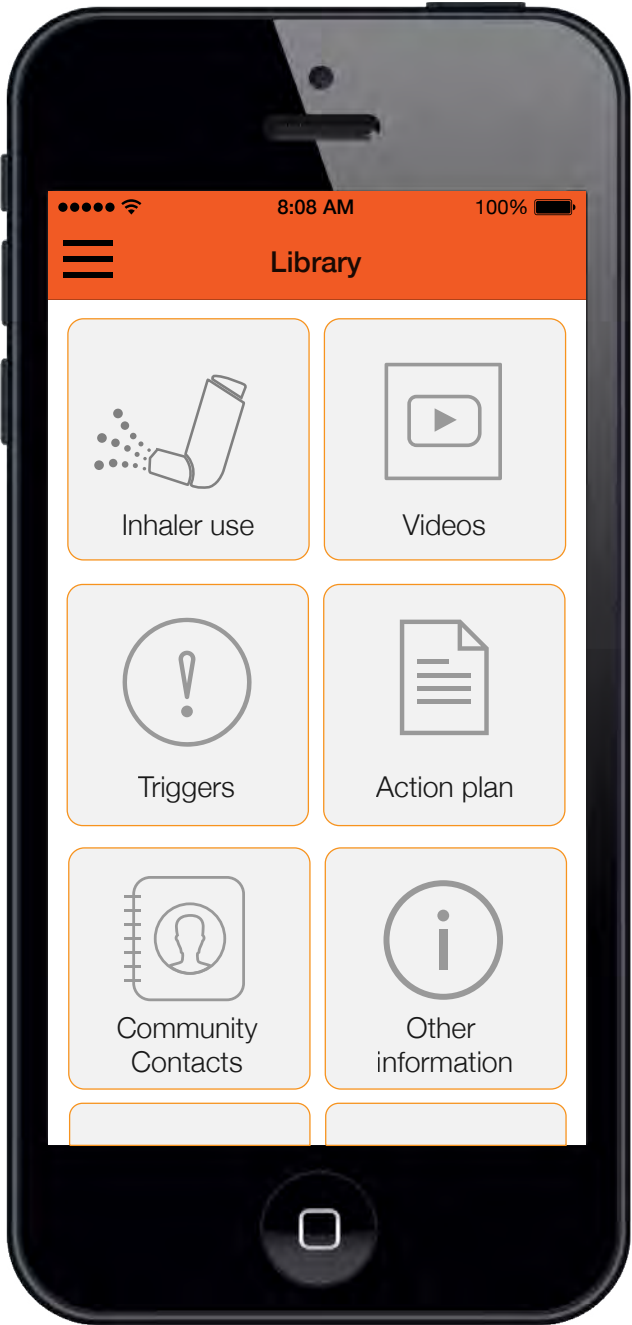
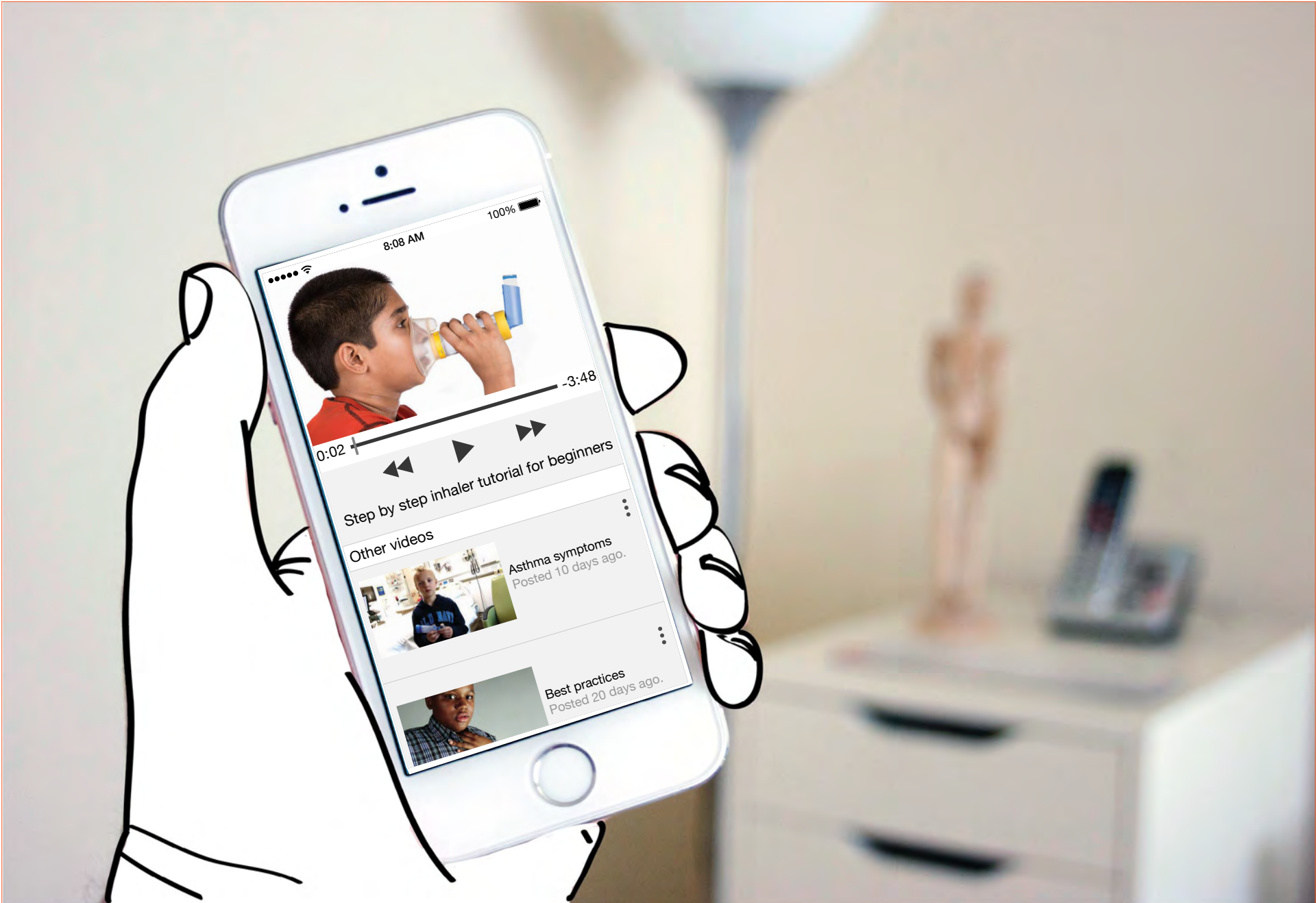
Linda was very helpful when my son had an attack. She arrived home in 10 minutes and gave me instructions on how to handle the situation. I really panicked and was planning to tke my son Carlos to the ED. She gave me clear instructions about how the use the inhaler.

March 2015

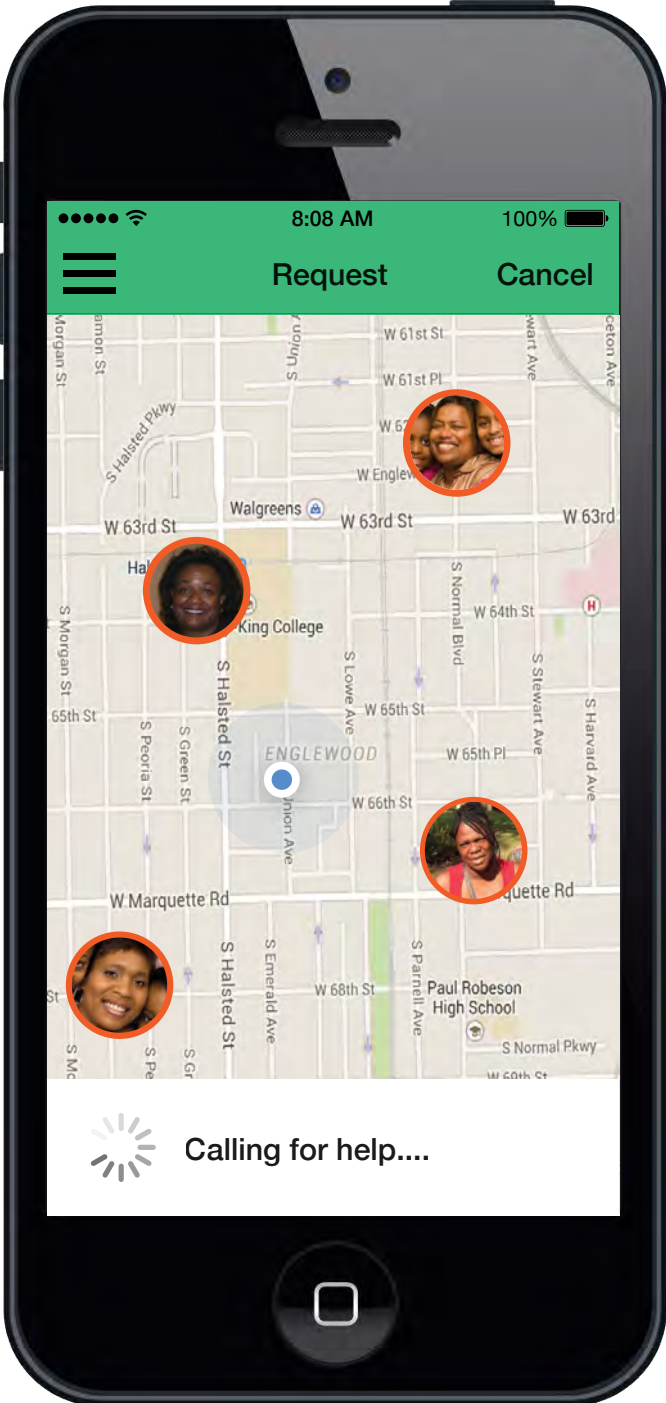


Susan connected me with Linda a couple of months ago. We met once and spoke a lot about our lives and Linda shared her experiences with her son's Asthma and how she handles it. Her story is very inspiring and motivated me and my family to get more serious about Asthma prevention.

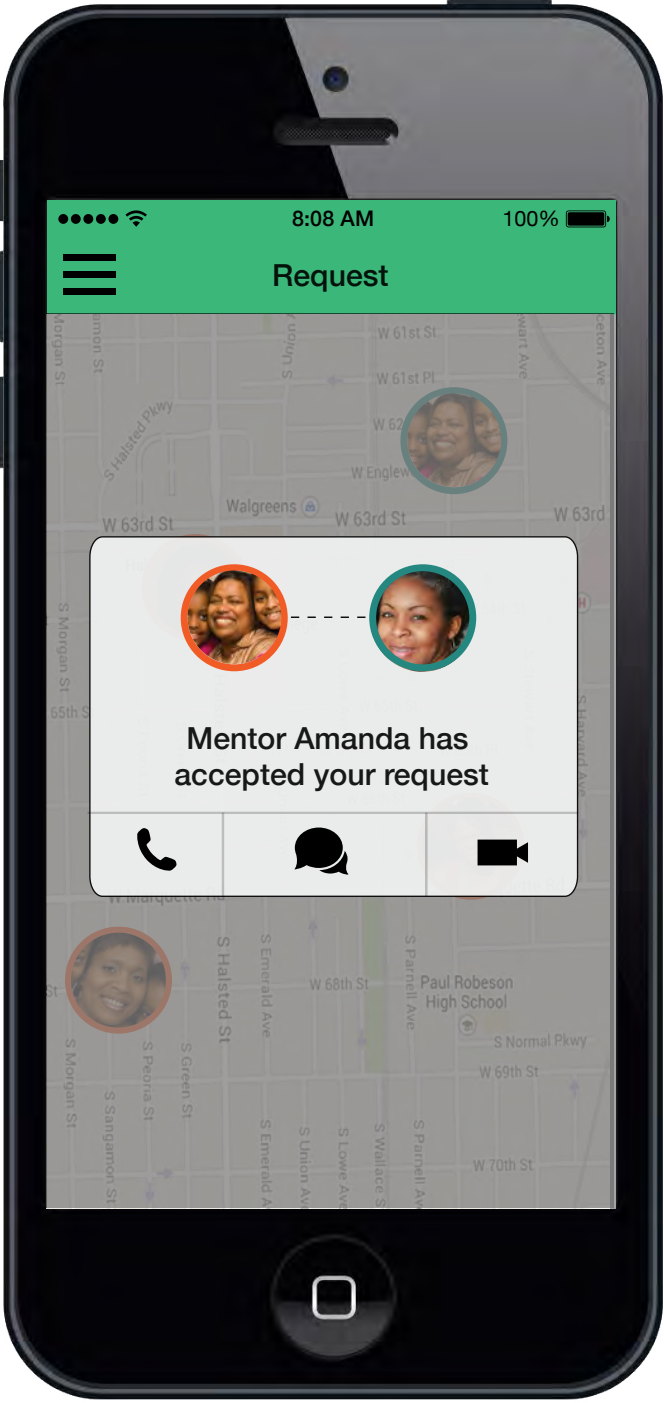
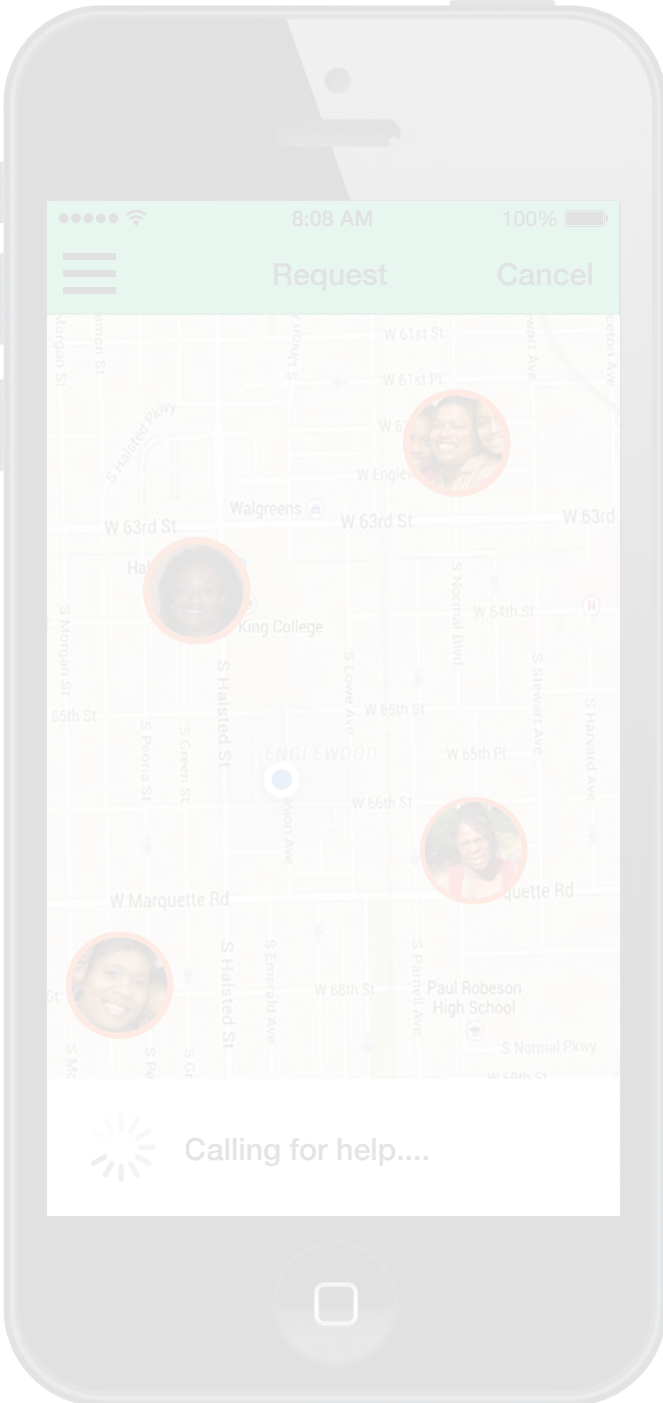
Primary mentor home visit



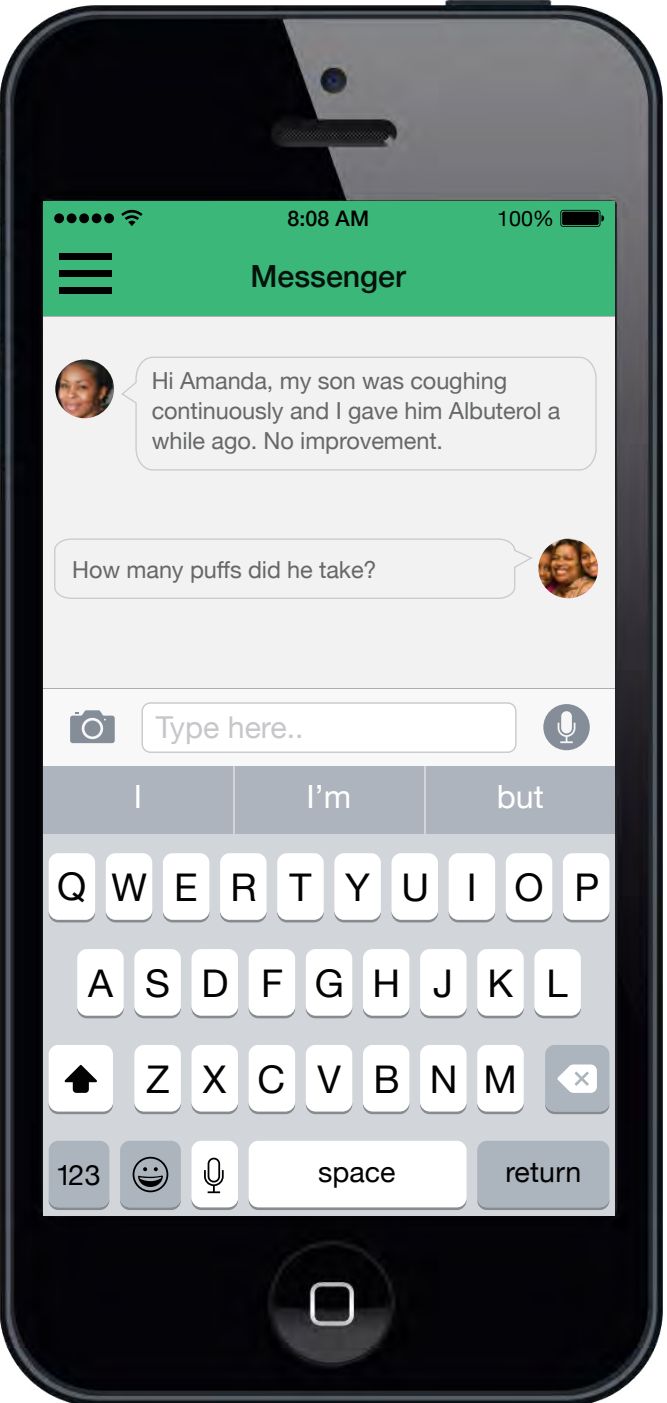
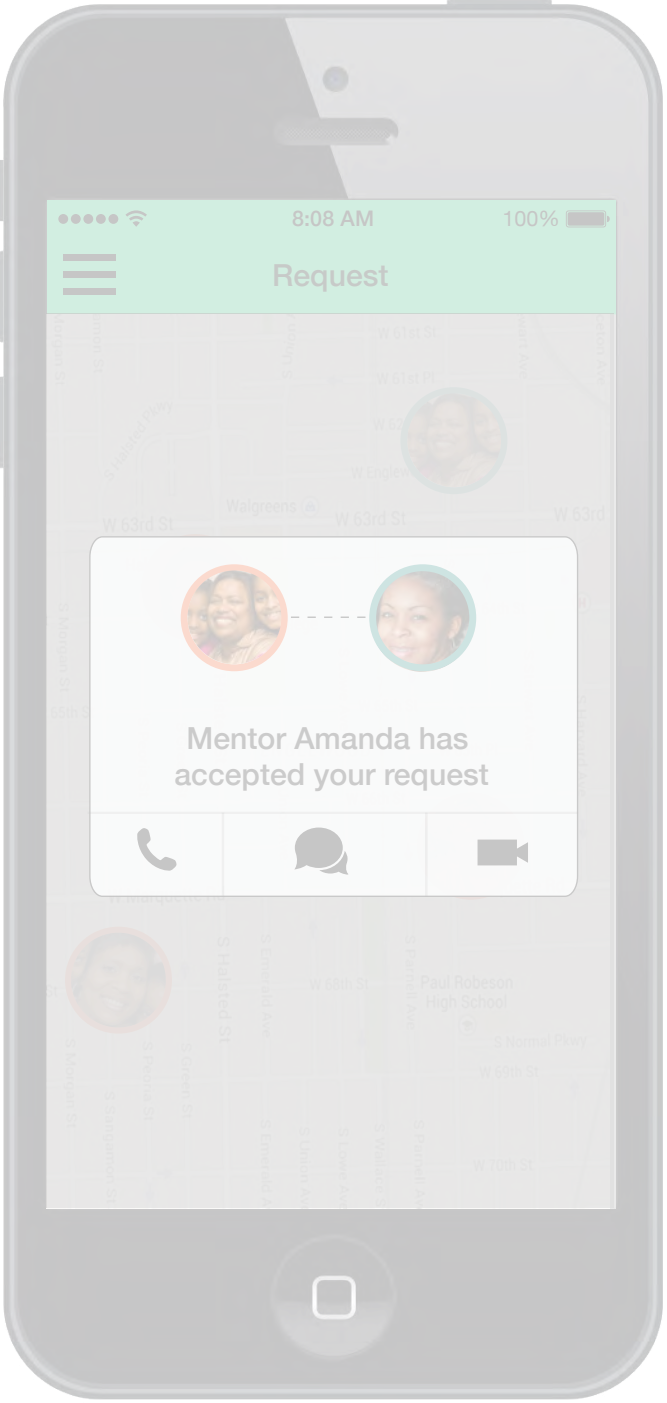
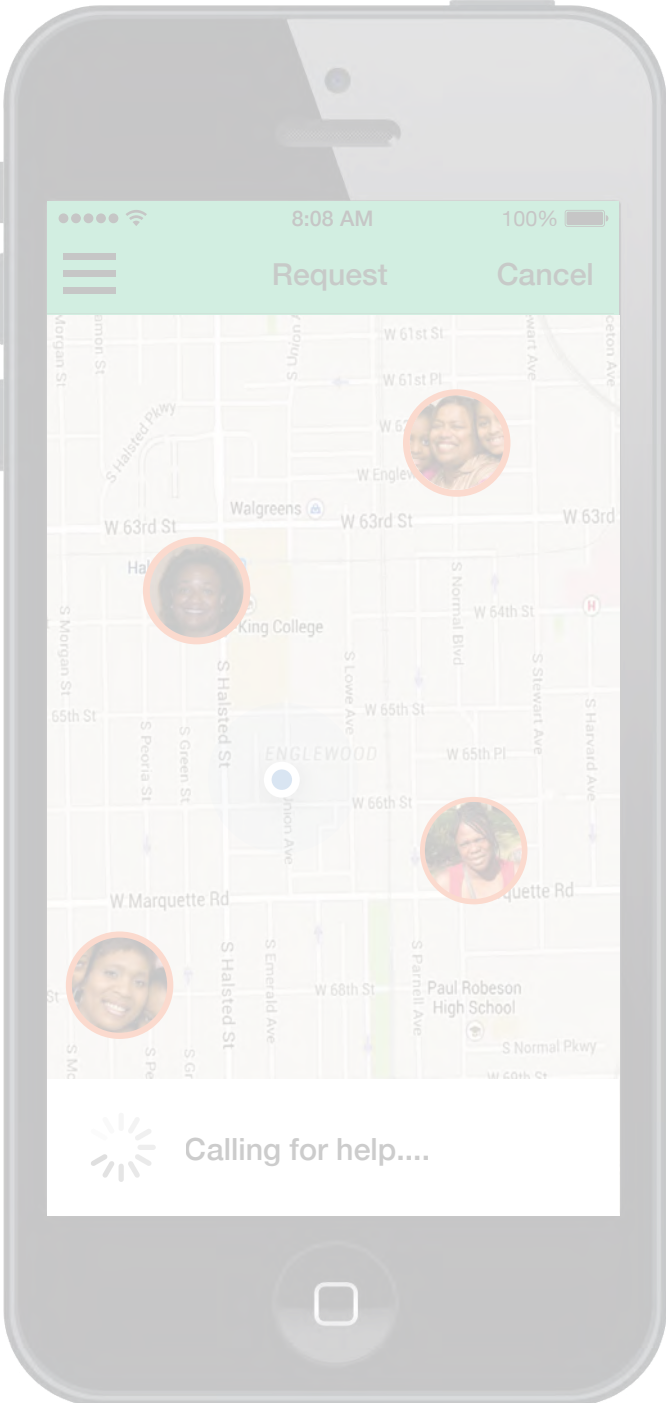
Crisis happens



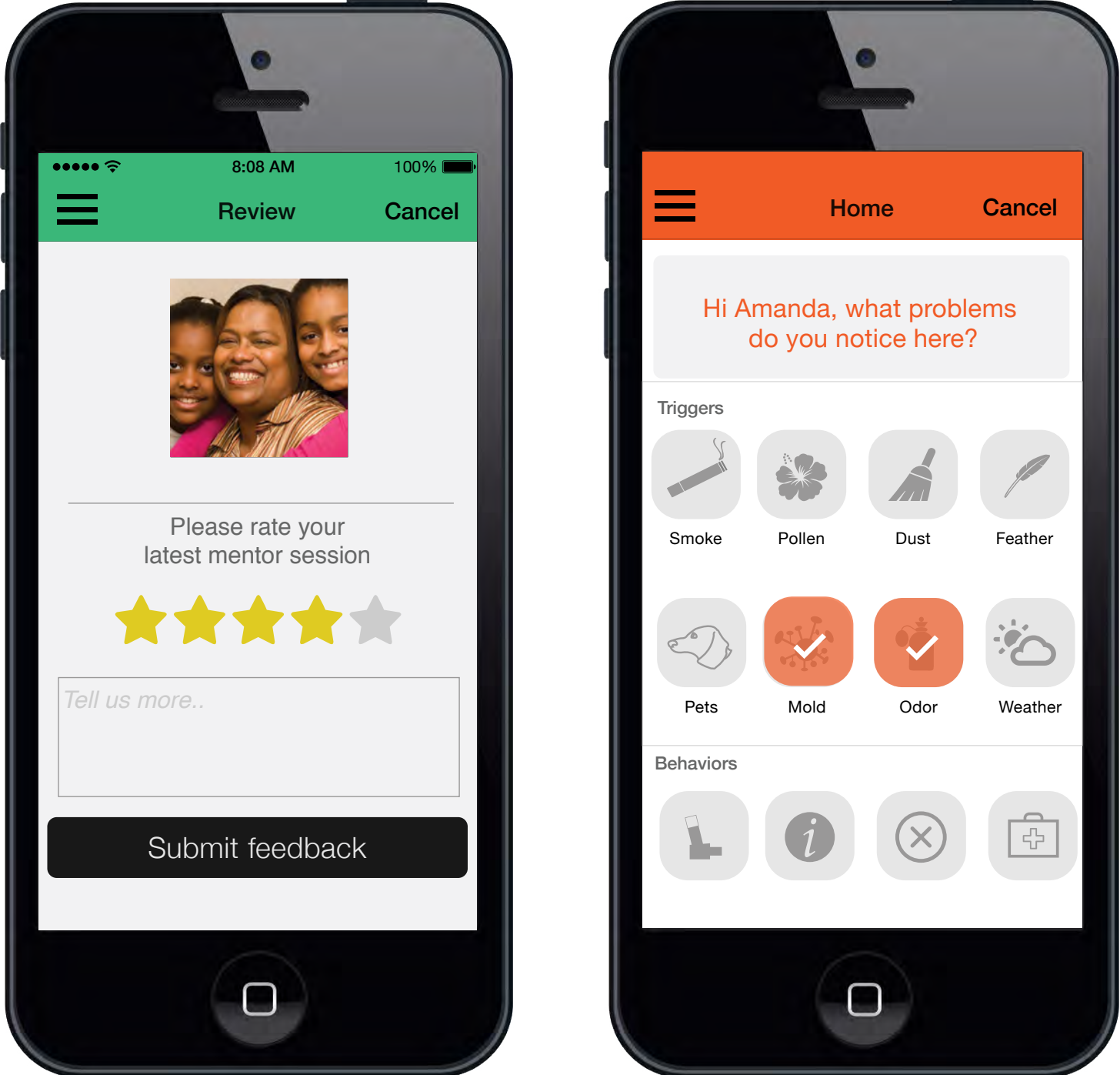
Crisis happens



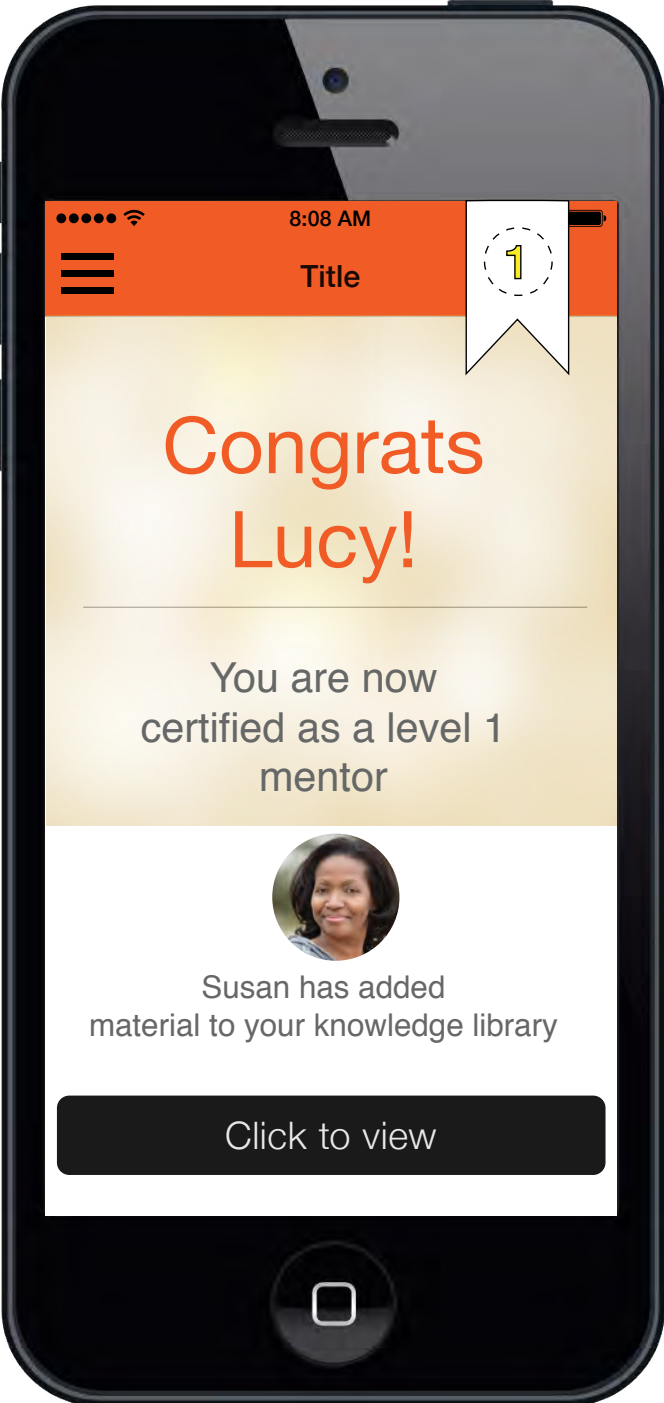
Crisis happens



CHW learns about the interaction from both parties



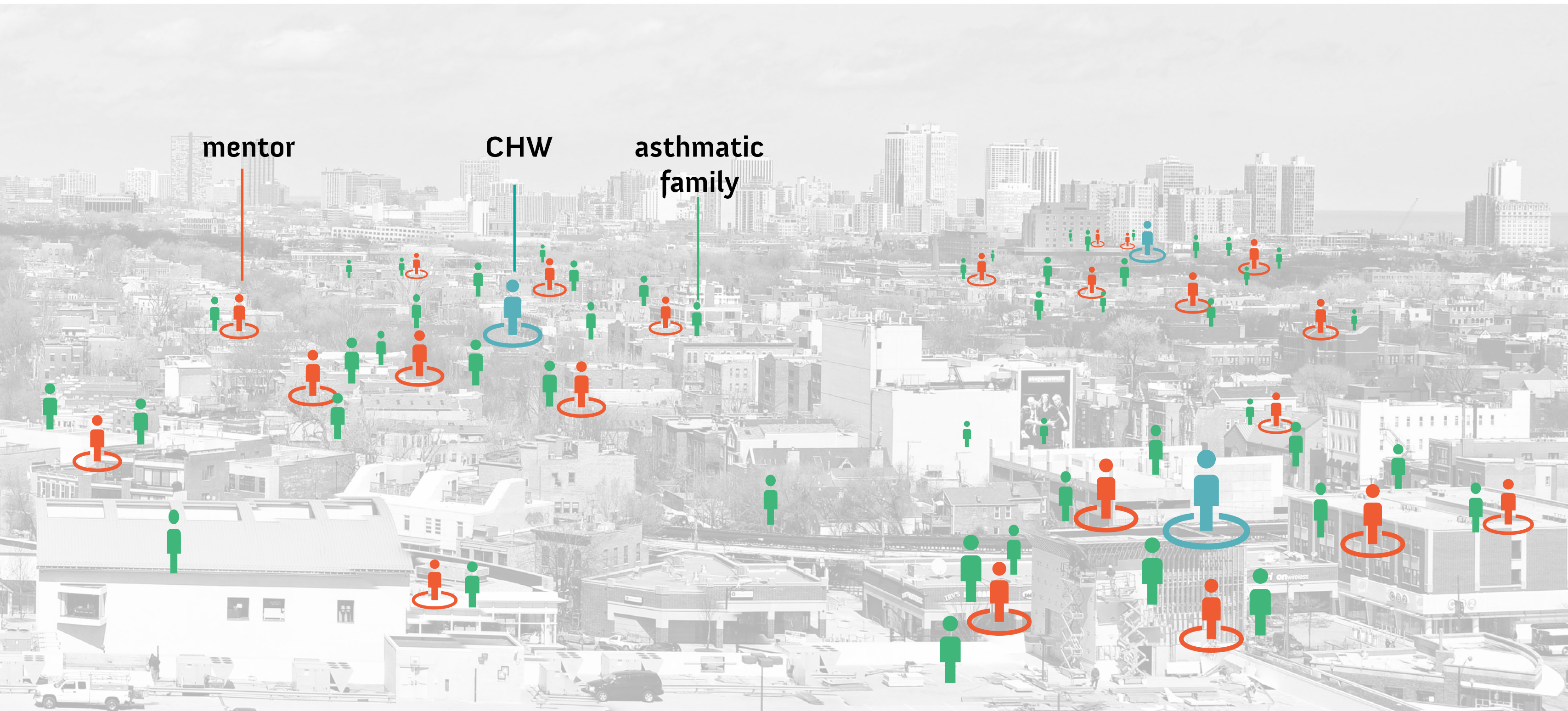
Mentee becomes a mentor, takes a test



**As more people join the asthma ecosystem,
the lines of communication become stronger.**



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Further opportunities

This is applicable to other diseases and is scalable, inexpensive, and nearly self-sufficient.

Thank you!