

Survey of potential end users (asthma patients and their families)

project outline: <http://cs6440.gatech.edu/wp-content/uploads/sites/634/2018/02/CatalogTeam37.pdf>

The study I believe they are referencing:

<https://www.nhlbi.nih.gov/files/docs/guidelines/asthsumm.pdf>

Questions I asked people who self identified as having at least one household member with asthma. This could inform the typical end user community's previous experience with asthma and using technology to help improve their health outcomes.

1. How many people have asthma in your household and are:
0-4 years old?
5-11 years old?
12 years or older?

- A: 1 and over 12 of age.
- B: 1 0-4 and 2 12+
- C: 1 age over 12
- D: 1 5-11, 1 12+
- E: 1 5-11, 1 12+
- F: 1 12+

2. In your opinion, is the asthma well controlled, not well controlled or very poorly controlled?

- A: Well controlled at this time
- B: Well controlled
- C: Well controlled
- D: Not Well controlled
- E: Well controlled currently
- F: Well controlled

3. Do you know what a peak flow reading and peak flow charts are? Do you use them?

- A: Yes . Not currently in use.
- B: Yes and yes, for adults. Don't try for the 0-4 year old.
- C: Yes and not anymore
- D: No and no
- E: I know what they are, but don't use them.
- F: No and no

4. Can you remember how many nights in a week the patient had symptoms such as chest tightness, cough, shortness of breath or wheezing? Just asking if you are able to remember the number, not asking for the answer.

A: Yes

B: Yes

C: No

D: Yes

E: Yes

F: Yes

5. Do you use any forms of record taking to keep track of asthma symptoms and medications? Are they paper notes or electronic records such as a smart phone app or Internet website?

A: No forms of record taking are being utilized at this time.

B: Yes - we have a google form we just fill out with symptoms whenever the little one is sick. It helps us at the allergist and dr to remember what was going on

C: No

D: Yes, paper notes

E: No. Just use the Walgreens app to reorder medication.

F: No record keeping

A couple have also volunteered to help more if we need additional questions or maybe user testing.
