

Problem:

- Asthma is difficult to control.
- Asthmatics require accurate information about their health and risk factors in order to determine appropriate amounts of medicine to take and what activities they can do
- Current software available for Android and iPhone can track measured Peak Flow and some environmental factors but not physical activity.

Planned solution:

- Software for the Android that will measure physical activity based on the accelerometer onboard.
- Will keep track of measured physical activity over time and permit the user to select when to keep track of activity and when not to do so.
- Will give user high/medium/low risk based on activity level and environmental factors.

Where are we now?

- Android development environments set up and both have worked over some programming examples.
- Working on understanding use of accelerometer.
- Working on planning user interface.
- Done survey of other asthma software available for iPhone and Android.