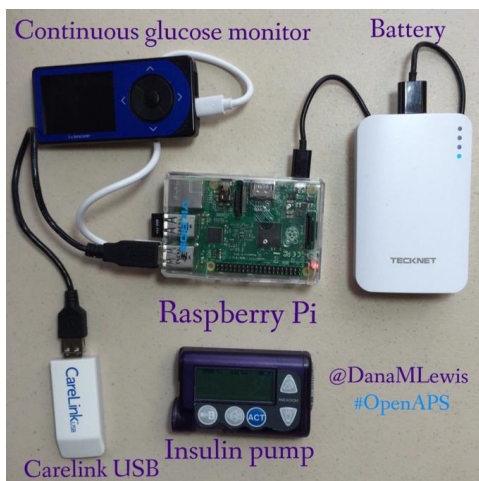
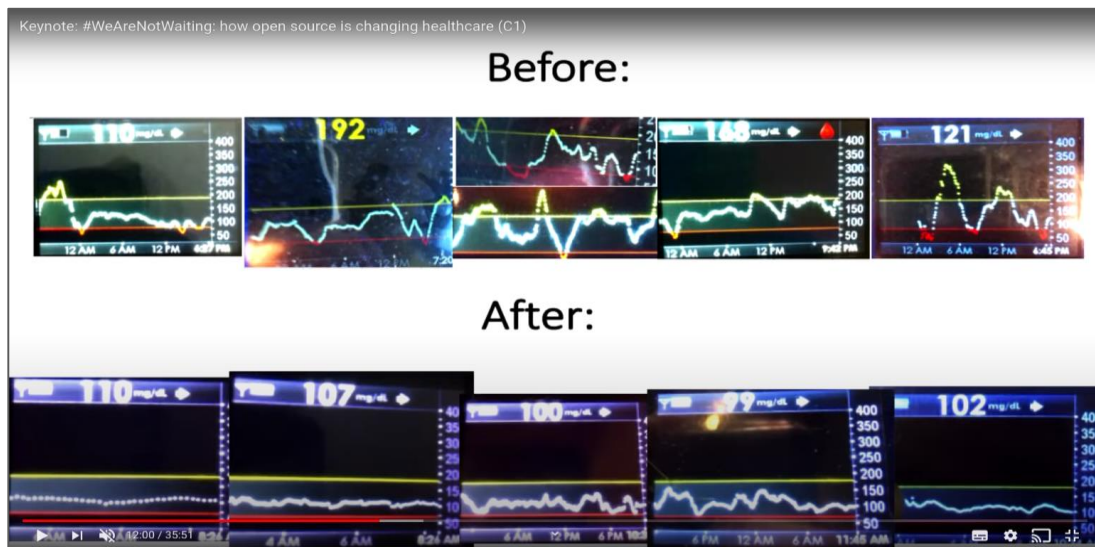


# An STPA on OpenAPS: Linux in a medical device

- <https://openaps.org/>
- <https://github.com/openaps>



Source: <https://diyvs.org/2016/09/15/openaps-rigs-are-shrinking-in-size/>

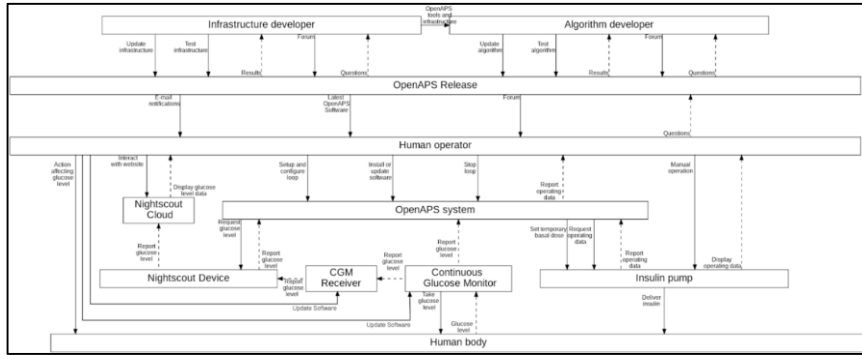


Source: blood glucose graph picture was a screenshot from <https://www.youtube.com/watch?v=p76hGxv3-HE>

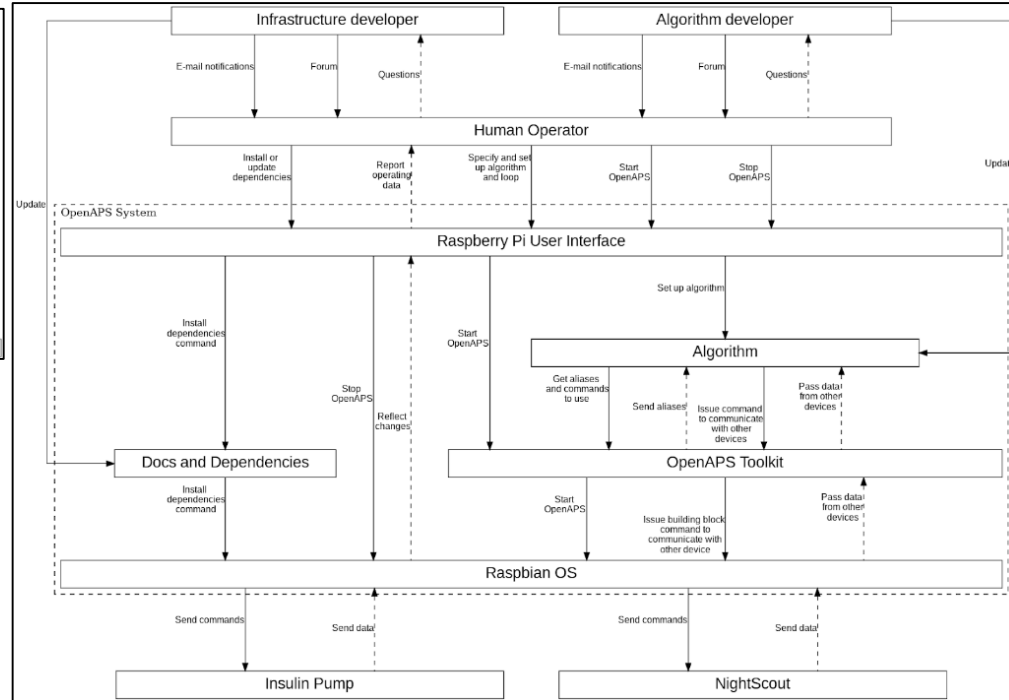
by Milan Lakhani & Kate Stewart

# STPA Analysis to date

L1:



L2:



- The OpenAPS project has maintained a good focus on safety
- There are a few parts that can be examined further for example: the way that dependencies are installed and the way that devices interact

# Reflection

## What's working?

- Open source enables sharing analysis
- Approx. 200 Loss Scenarios at level 1, 160 Loss Scenarios at level 2 and counting
- Workflow
- Top down approach
- Spreadsheet templates for structuring analysis
- Approach focused on systems with Linux as a component and takes context into account.

## What's next?

- Moving analysis into GitHub to open for wider review and open discussion
- Tracing and Level 3 analysis

## Interested to help?

We welcome more people to join in and help review and add to our analysis.

<https://github.com/elisa-tech/wg-medical-devices>

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