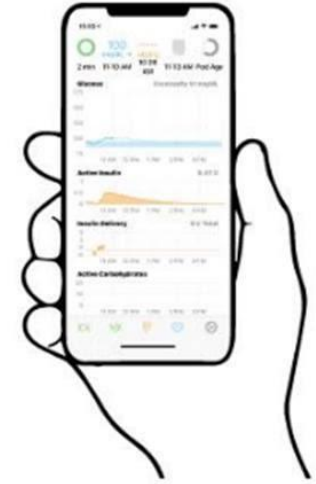


# Loop AND Learn

Master Your DIY Closed-Loop Insulin Delivery System



## Open Mic Night

Things to Come in Loop and FreeAPS

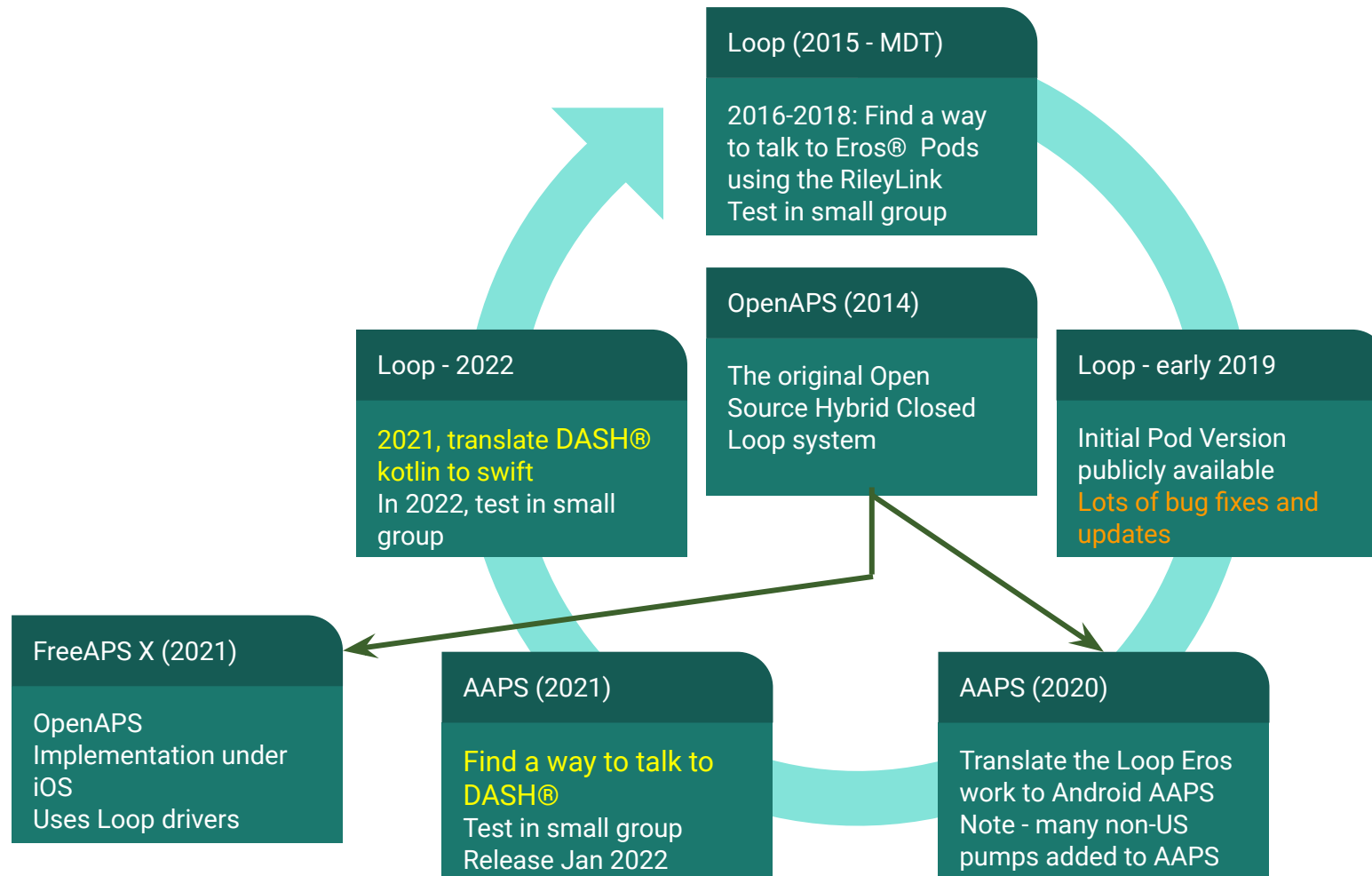
23 March 2022



# Topics

- A Brief History of DASH® in Open Source
- What is already in Loop-dev (in addition to DASH®)?
- Why should you wait (or not) before building Loop-dev?
- What is the status of FreeAPS-dev?
- Should you switch your prescription to DASH®?

# A Brief History of DASH® in Open Source



The Open Source Community is an incredible gift to PWD. We benefit from the combined hard work and dedication of many people.

Special thanks go to the AAPS team for developing a simulator that we used to test many features of DASH® without using as many pods.

And thanks to community for donating DASH® pods for testing that required “real” pods.

# Loop Dashboard

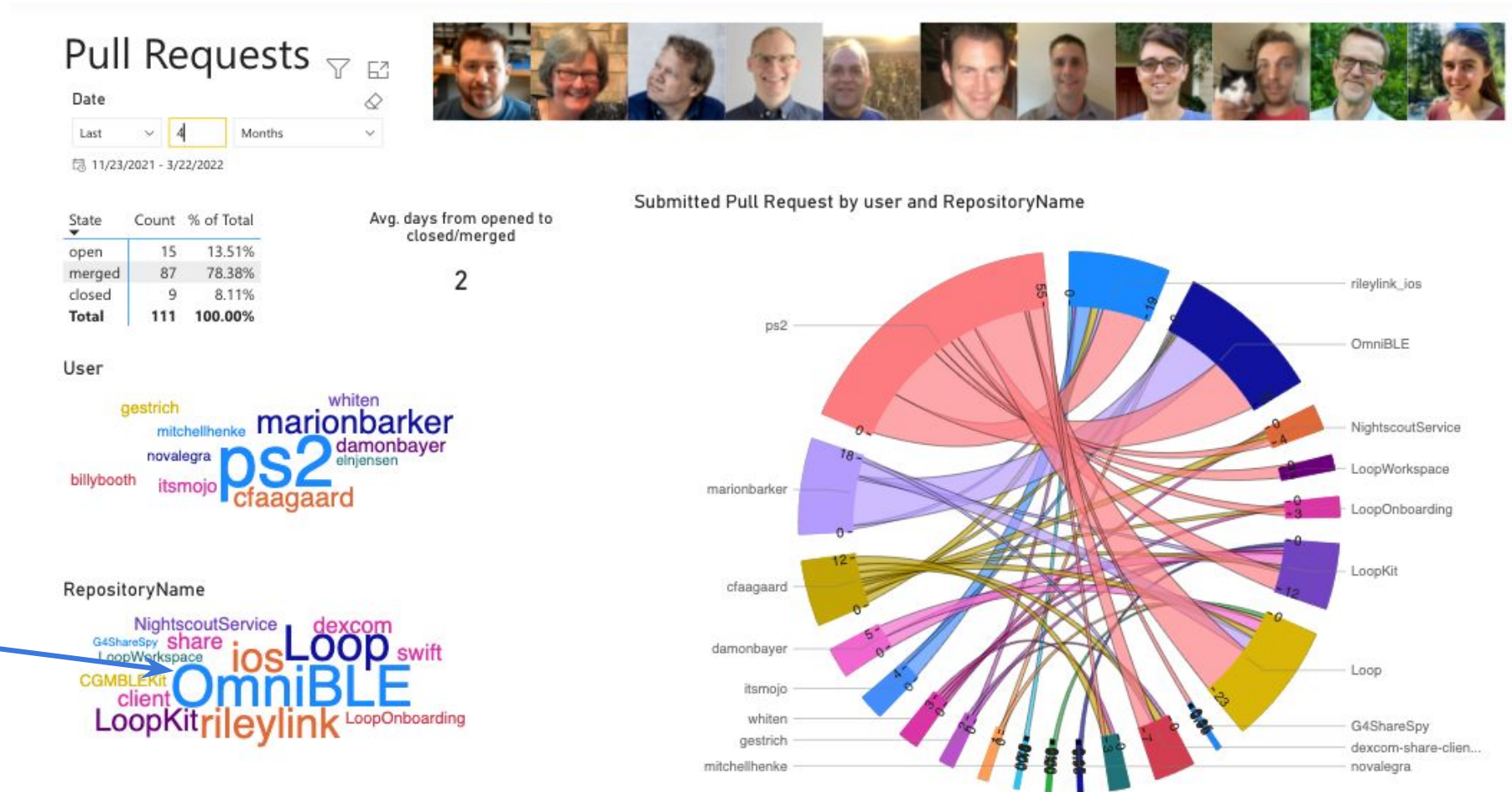
Loop-dev is under very active development:

Screenshot of last 4 months

Pull Request = formal request to modify code

Special Thanks to Randall Knutson

- Created OmniBLE
- Handed off to LoopKit authors



Thanks to Christian Aagaard for [dashboard](#) and translations



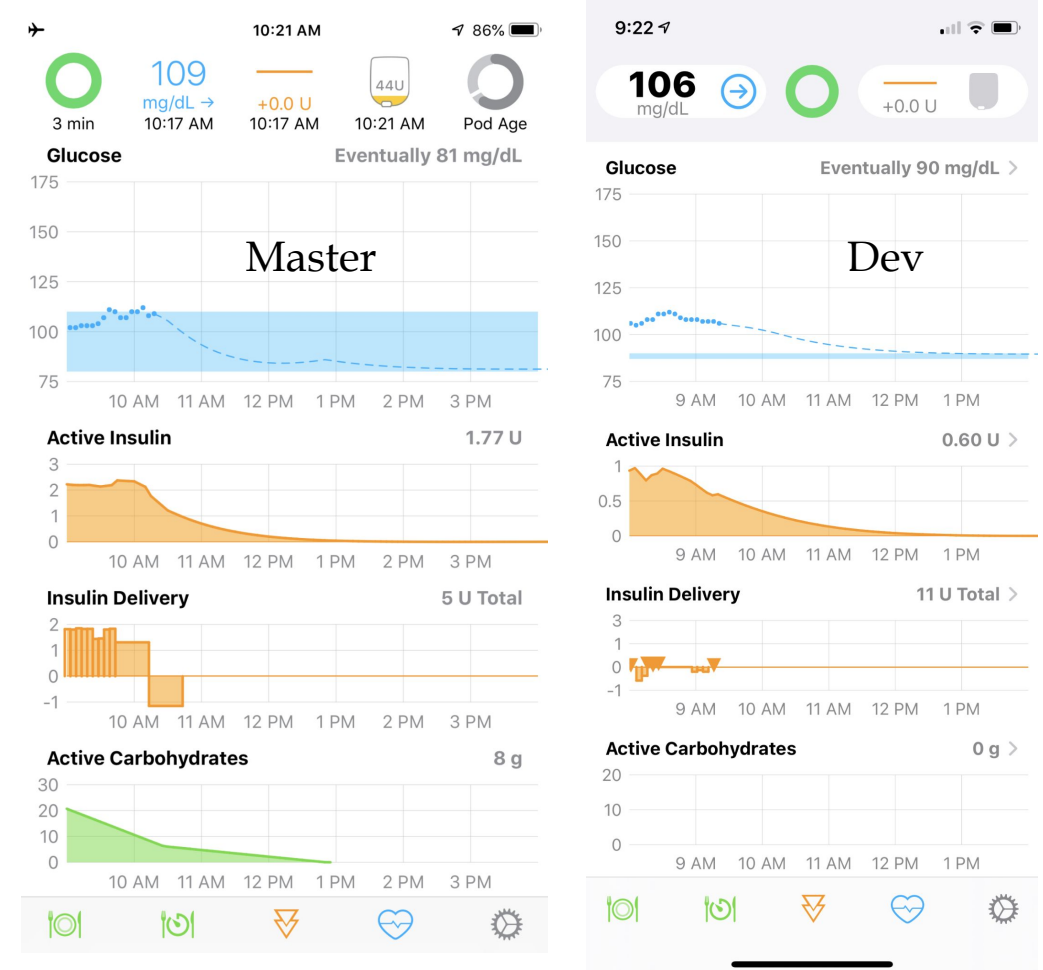
# What is already in Loop-dev (in addition to DASH®)?

## Implemented and Under Test

- Updated Displays, Improved Onboarding
- Import Profile from Nightscout
- Remote Bolus / Carb Entries
- Nightscout as a CGM

## Planned or Under Discussion

- “Bug Fixes”
- Manual Temporary Basal
- More than one NS Profile; Direct I/O
- Modification of some displays/options
- Support for DASH® Scheduled 0 U/hr basal rate



## Partial List

# Why should you wait (or not) on Loop-dev?

Read [Loop Development](#) (and follow all the links) in LoopDocs

Be comfortable building frequently

**Bug Fixes:**

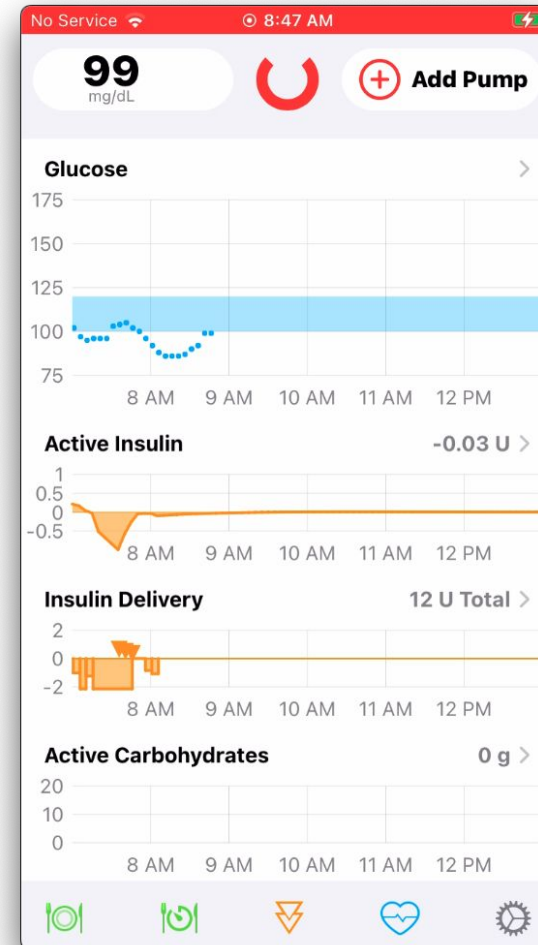
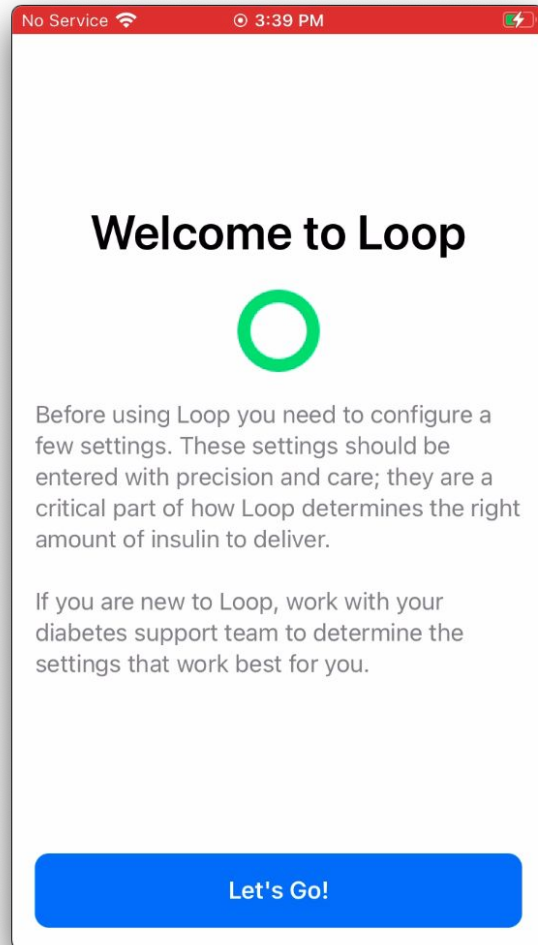
- You need to pay close attention to the app - if something doesn't look right - it's your responsibility to report it on Loop Zulipchat
- Not uncommon to build weekly or for announced "problems" or features
- Quote from Pete Schwamb:
  - Please tell everyone that they could hit something like the incompatible schema change. Or something else that makes their system go "boom".
  - Dev is only for people who are ok with that.

Join the [Development Stream](#) in Loop Zulipchat



# Loop-dev Onboarding

# Pair DASH® in Loop-dev



These movies won't play in a PDF. Check [LoopDocs](#)

Loop AND Learn

## What is the status of FreeAPS? Similar Level as Master + Features

- FreeAPS is a fork of Loop with:
  - Different method for automatic bolus (microbolus)
  - Manual Temp Basal feature
  - Additional CGM: xDrip4iOS, Glucose-Direct (freeaps\_dev)
  - Export/Import to named file feature
  - Abandoned by Ivan in Spring 2021 when he started FreeAPS X
  - Picked up by Loop and Learn team to support folks who need some of these features - especially Libre users and to consolidate forks
  - The FreeAPS\_dev branch supports DASH® now using the older-style Pod Setting screens

Read Links: [Which DIY](#) and [FreeAPS](#) and [FreeAPS-dev](#)



# Should you switch your prescription to DASH®?

- How much of a stockpile of Eros® pods do you have?
- What is your risk tolerance?
- Loop-dev:
  - My SWAG (Scientific Wild-A\*\*ed Guess)
    - probably 1 to 2 months before Loop-dev is “stable”
    - then 2 to 4 weeks of additional testing before release (Loop 3.0)
- FreeAPS-dev basically FreeAPS + DASH®
  - DASH® code was developed in parallel with Loop-dev (similar)
    - probably be released to FreeAPS in a couple of weeks
    - ready for people to test (with care), as is, must build using freeaps\_dev branch