

This talk was presented at:

The National Academies of Sciences, Engineering, and Medicine Roundtable on Obesity Solutions

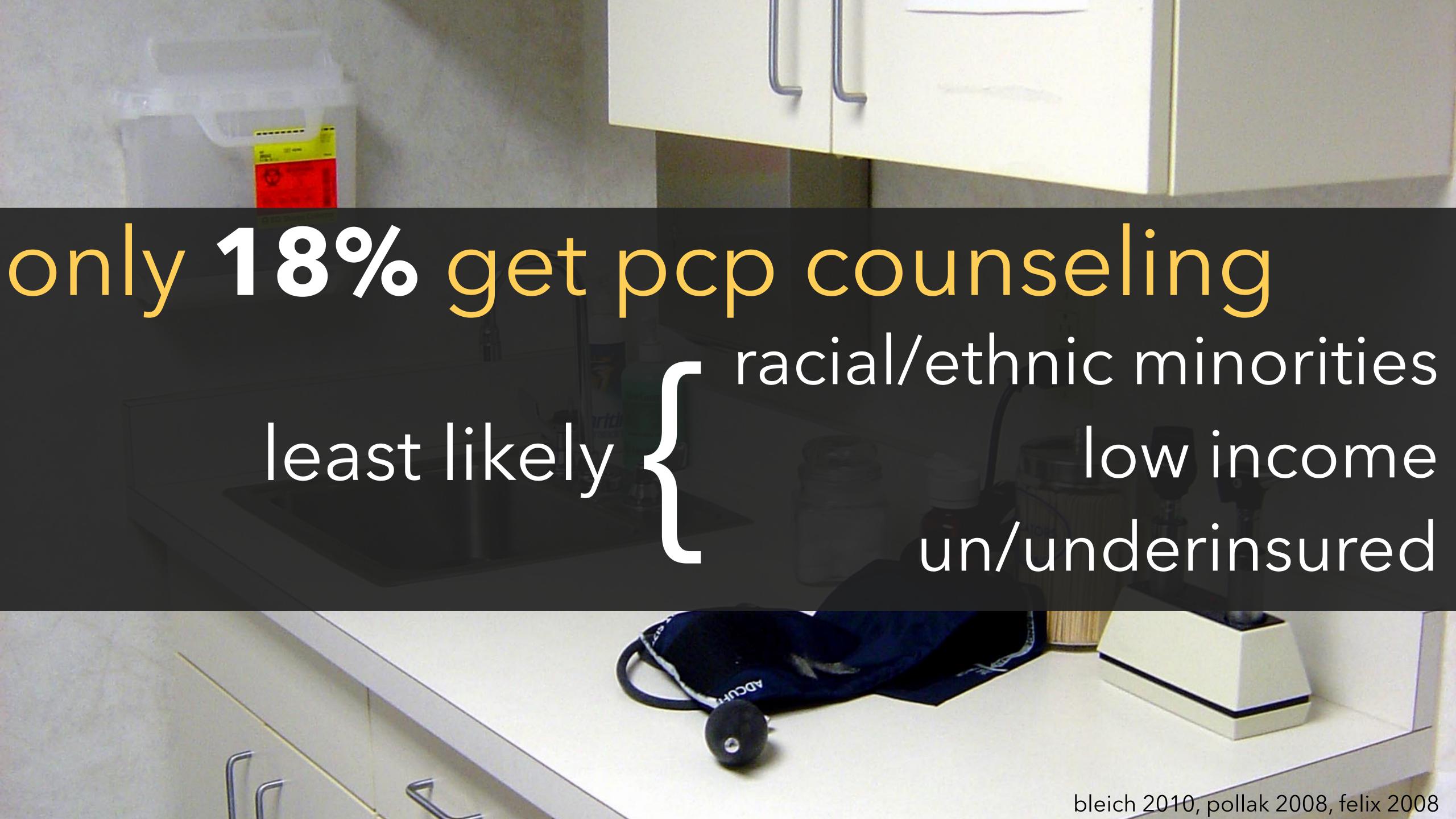
April 6, 2017 Washington, DC

Slides depicting unpublished data as well as those with extensive animation (and all snarky jokes) have been removed. The full set of slides are available upon request.

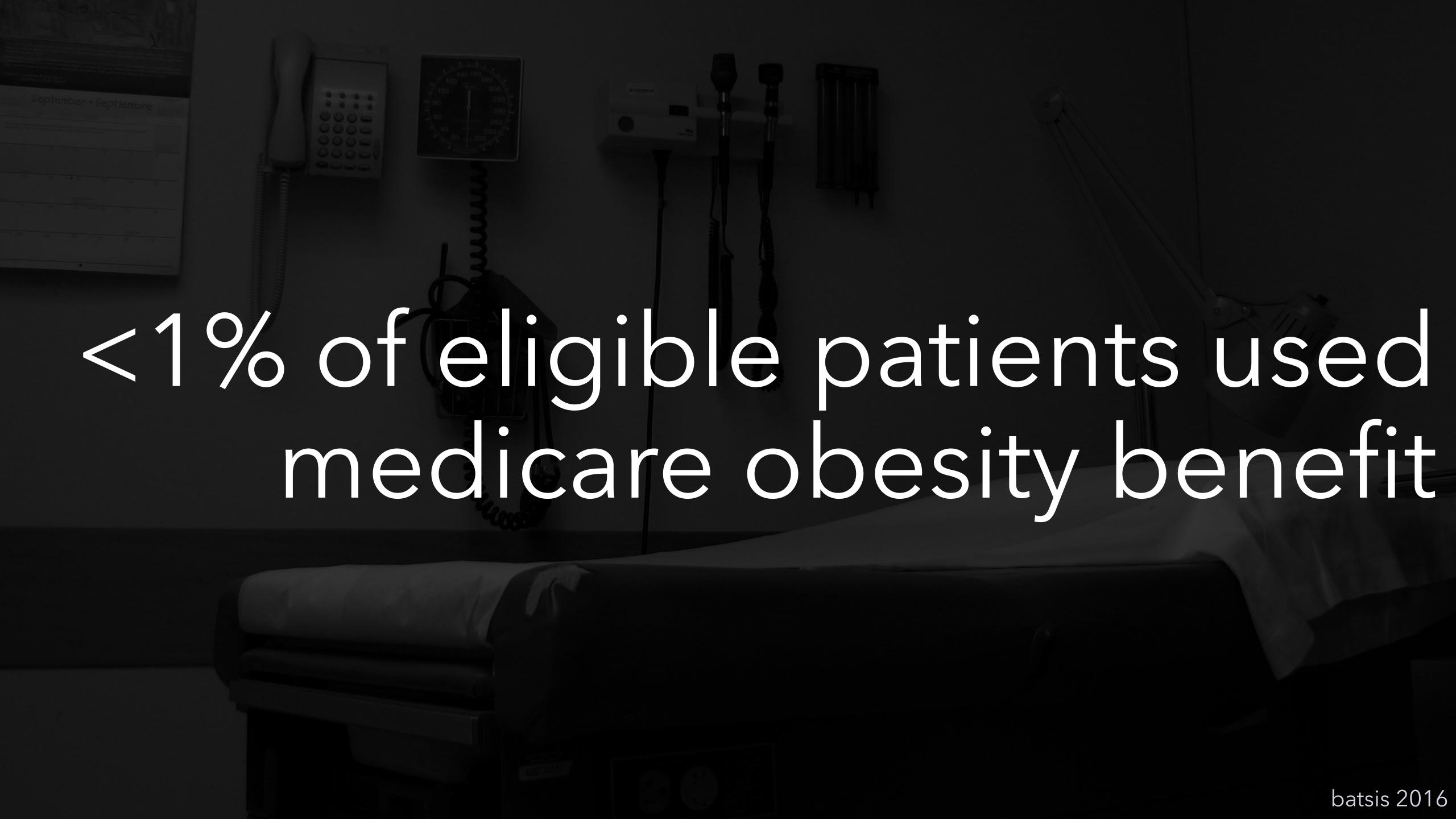














behavioral weight loss works

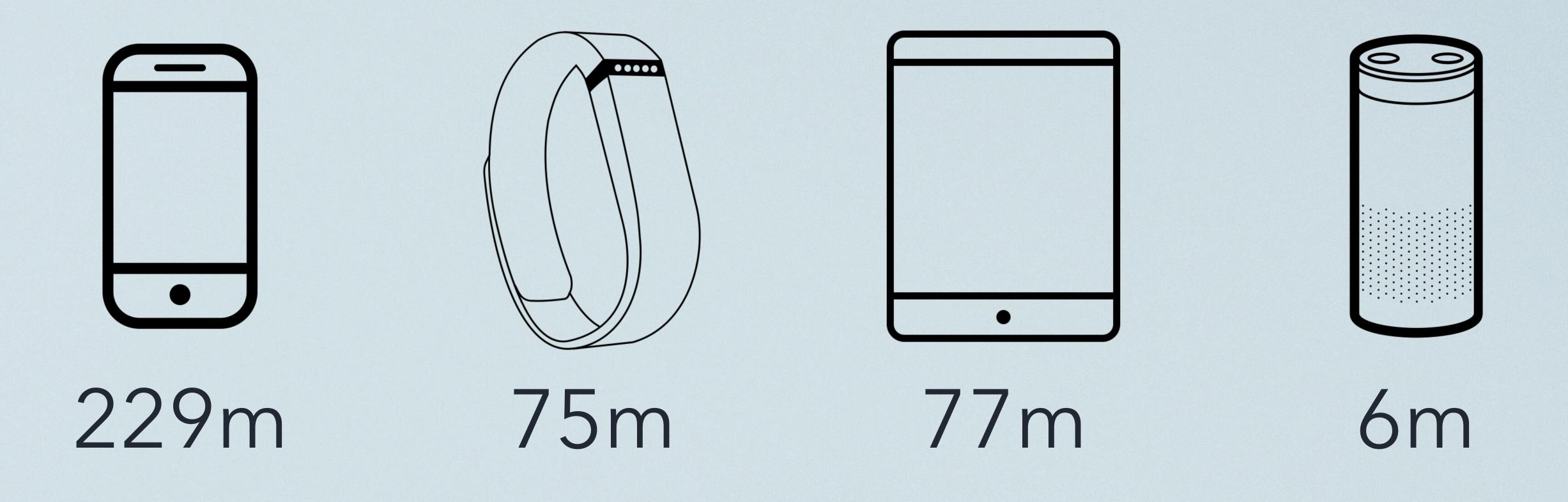
less so in primary care & high risk populationsimplementation is [very] challenging



device penetration creates new opportunities to **use** data









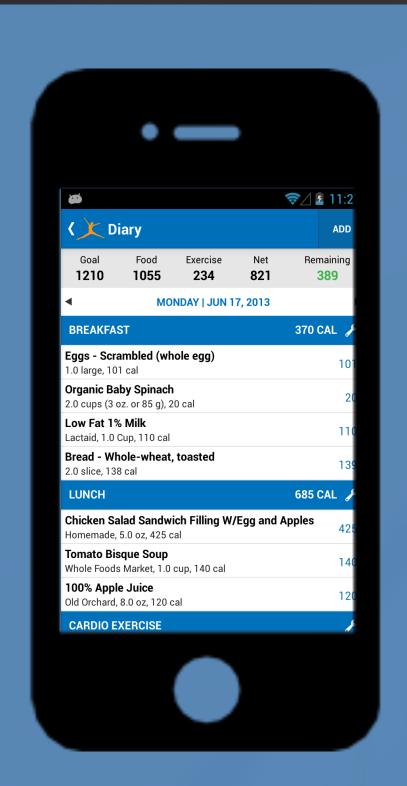


generation 3 data driven apps

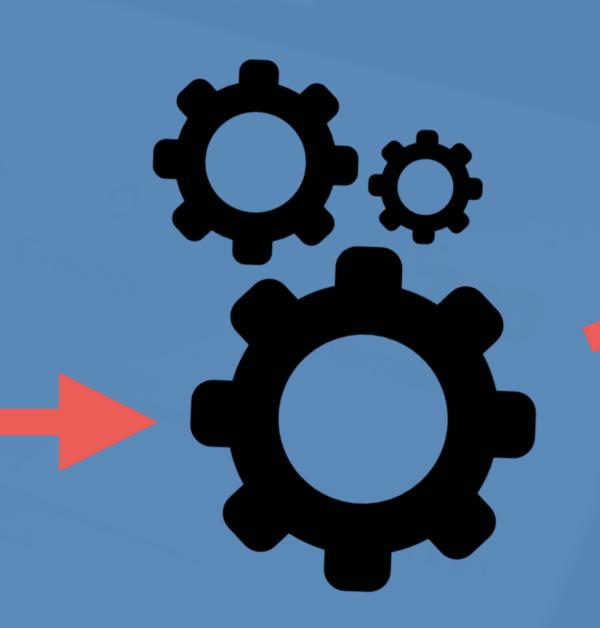
generation 3 research-tested apps

generation 2 insufficient evidence

generation 1 no evidence









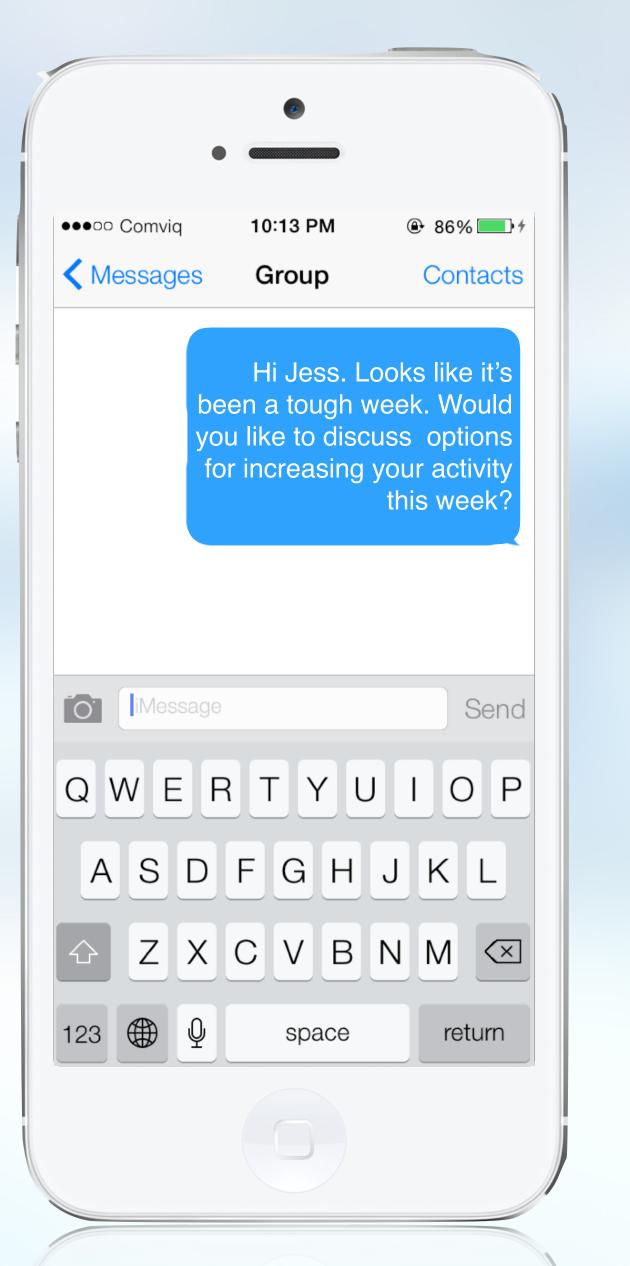


app

myfitnesspal api dashcloud



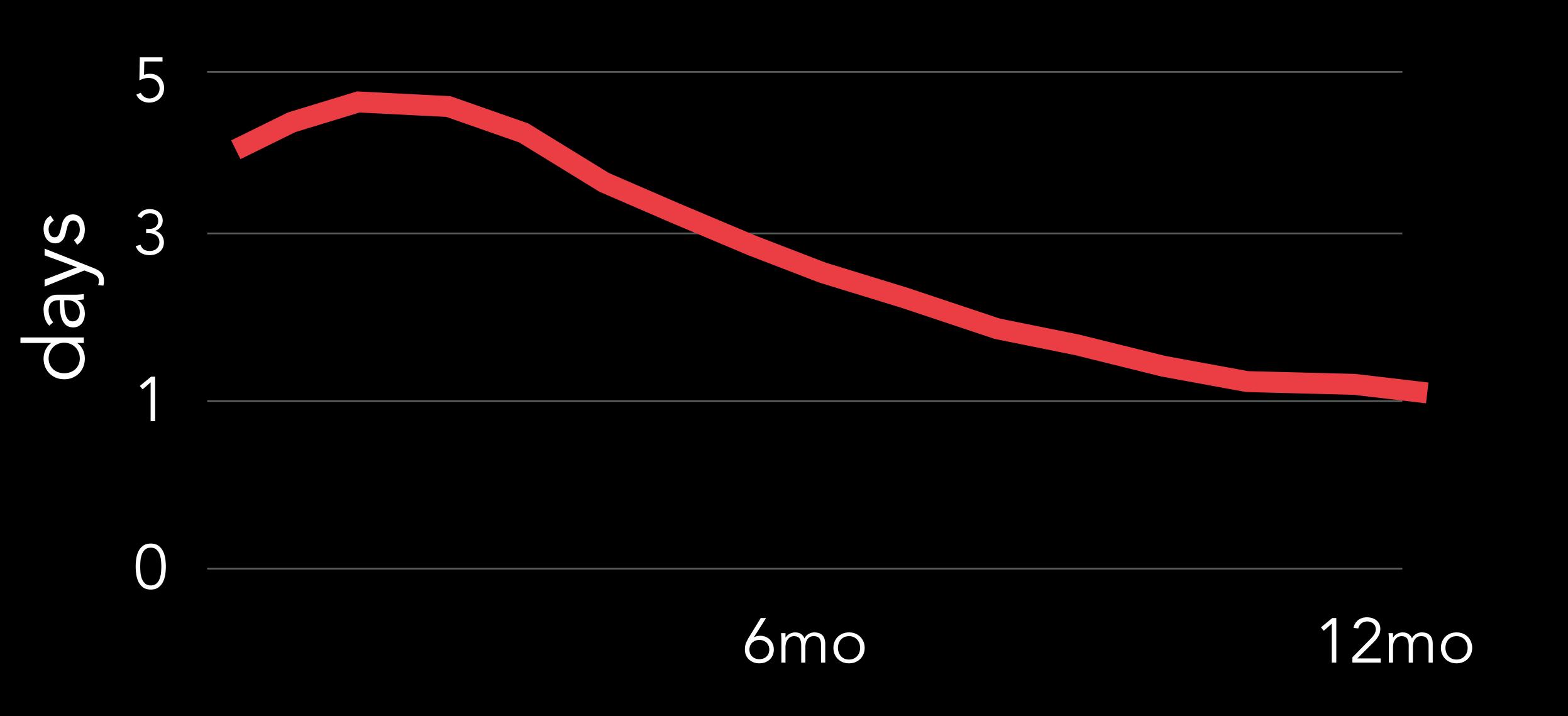




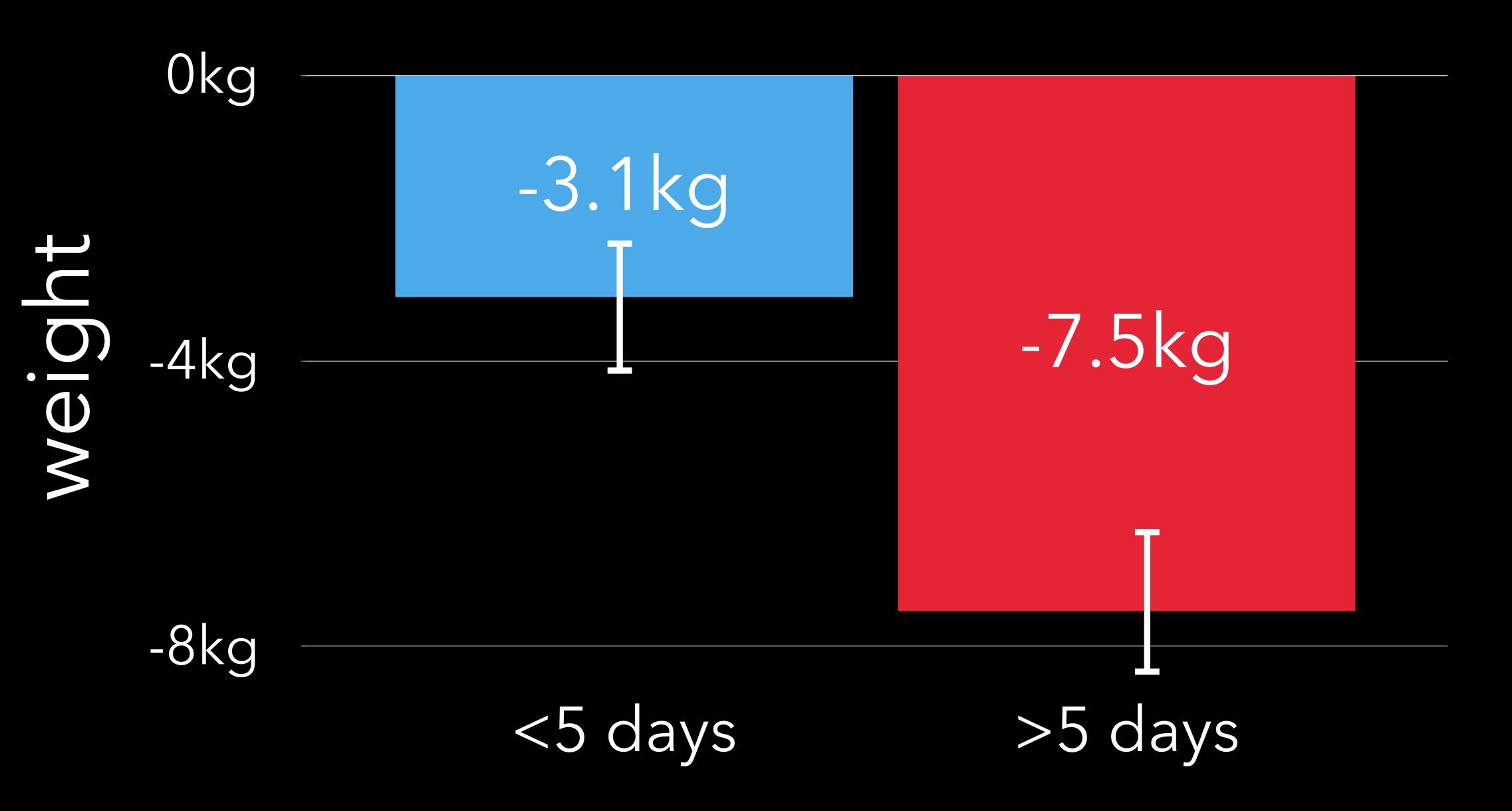




daily self weighing declines over time



greater 1 year loss with regular weighing



digital therapeutics will be a primary referral channel



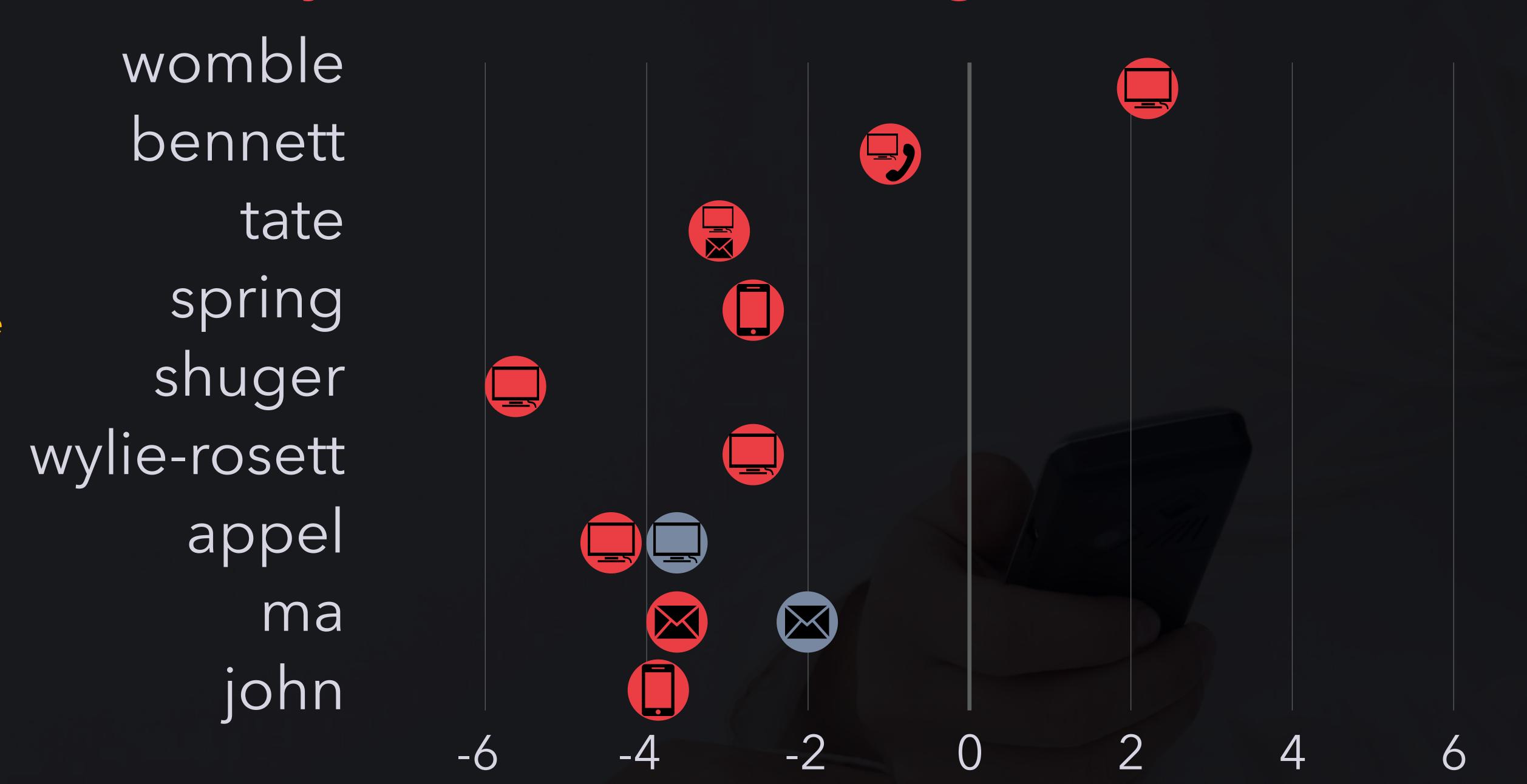


digital obesity treatments produce 2-4kg weight loss at 1 year (max of ~5kg)

outcomes are similar by device

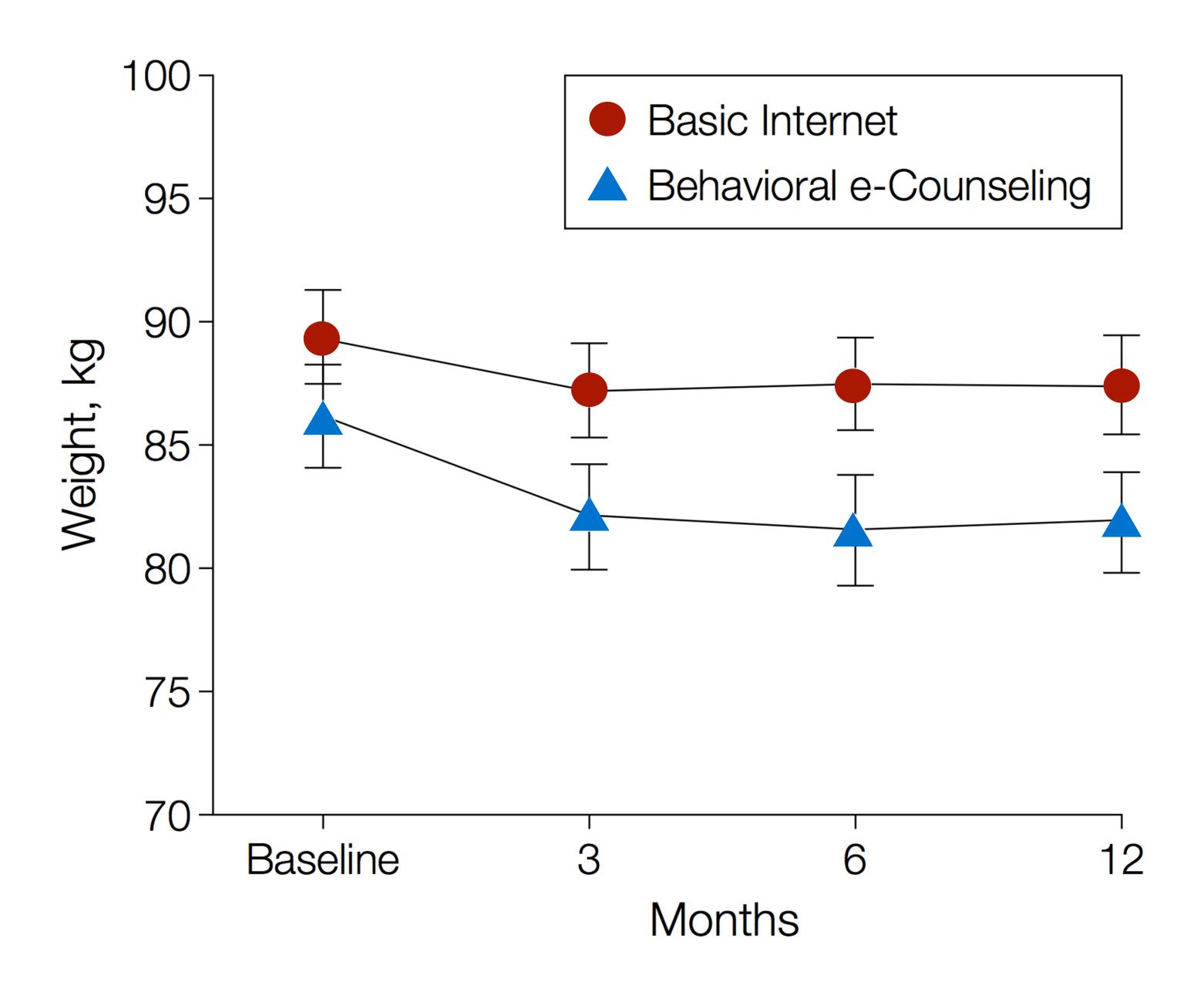


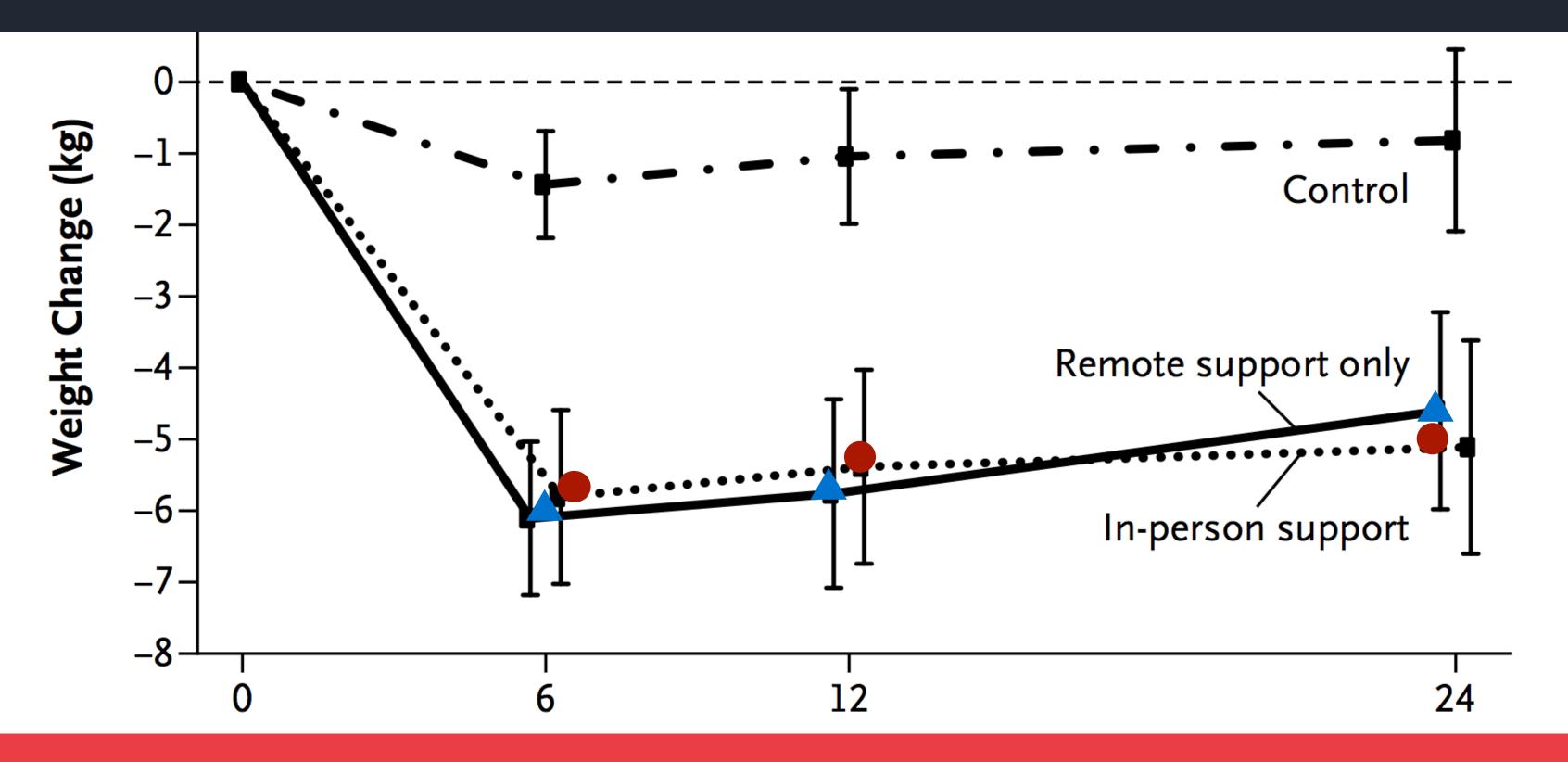
1yr outcomes in digital health trials





counseling improves digital outcomes





remote support telephone counseling from coaches at healthways

in-person support delivered on site by study staff

1 yr outcomes in digital health trials varying counseling approaches







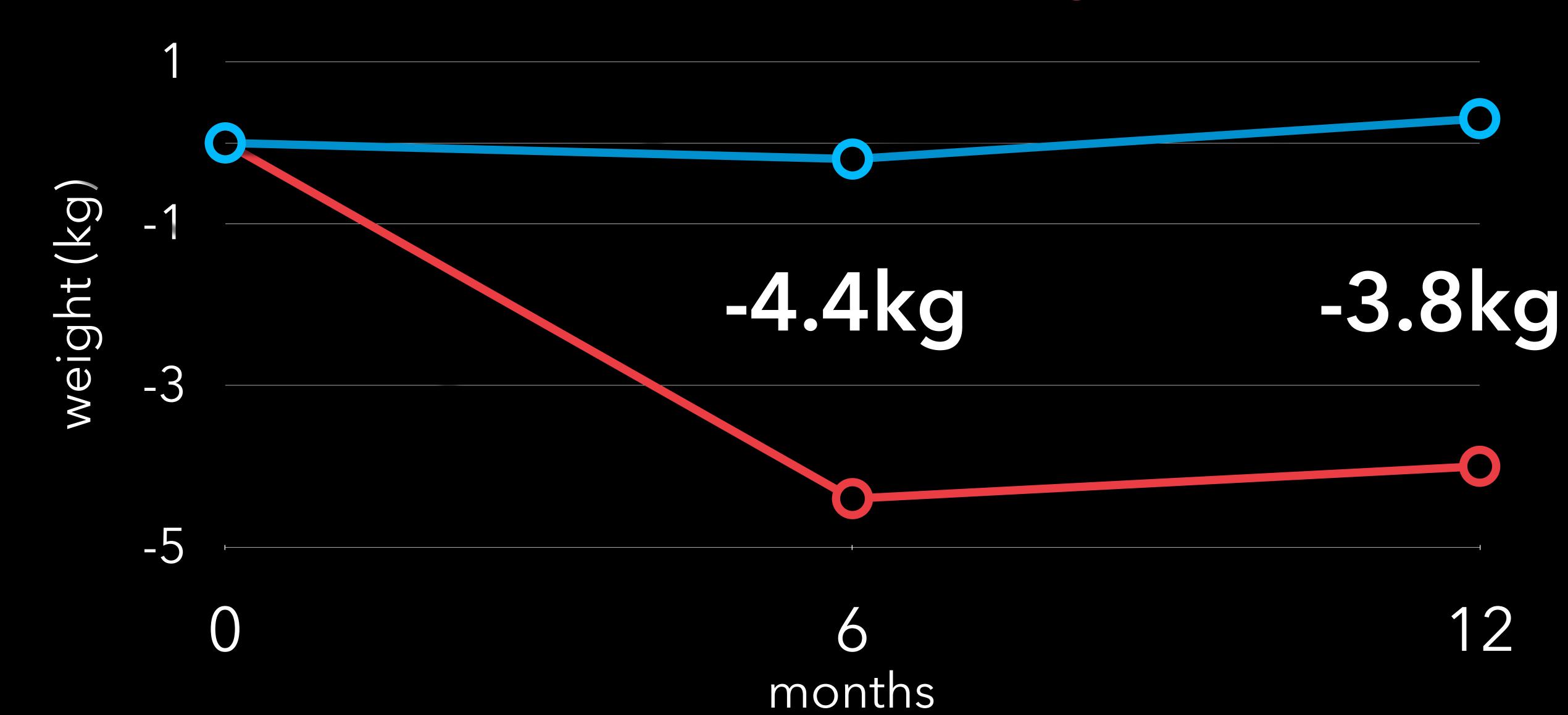
patients

electronic health record

coaches

weight change

- o usual care
- intervention



New Document

mary

eliet

exercise

track = 4.4kg

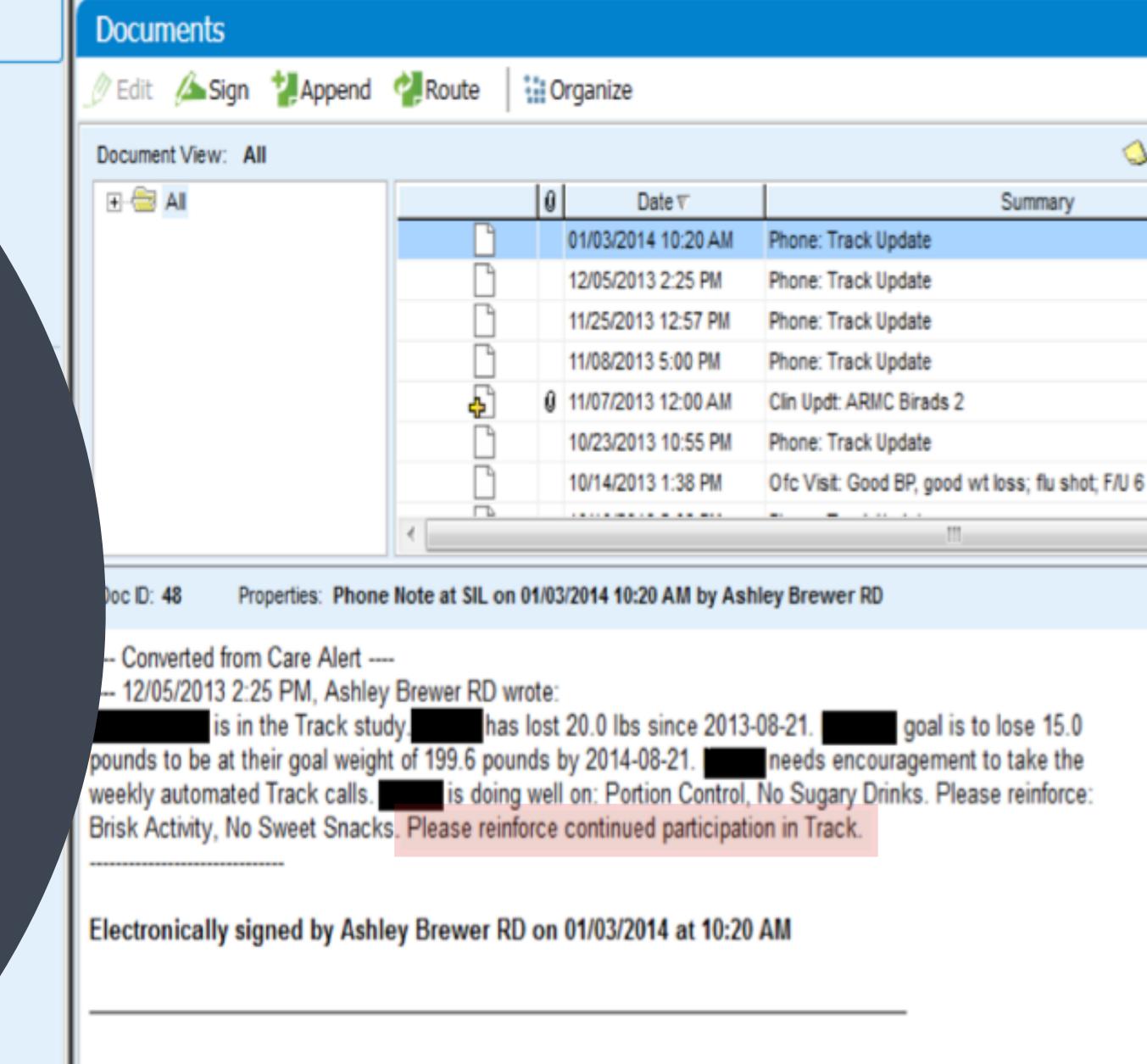


chart Desktop

digital can help reach, engage, and treat those highest risk

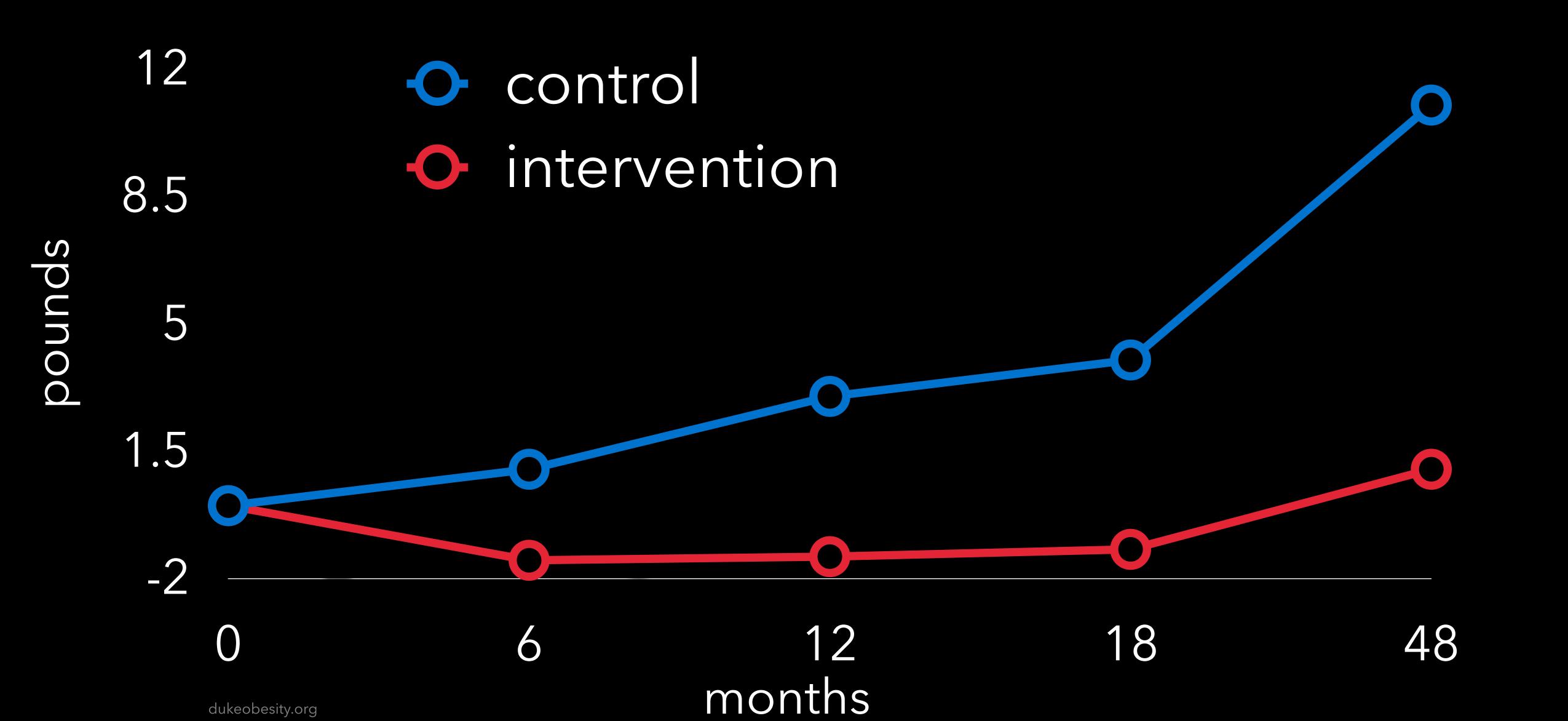


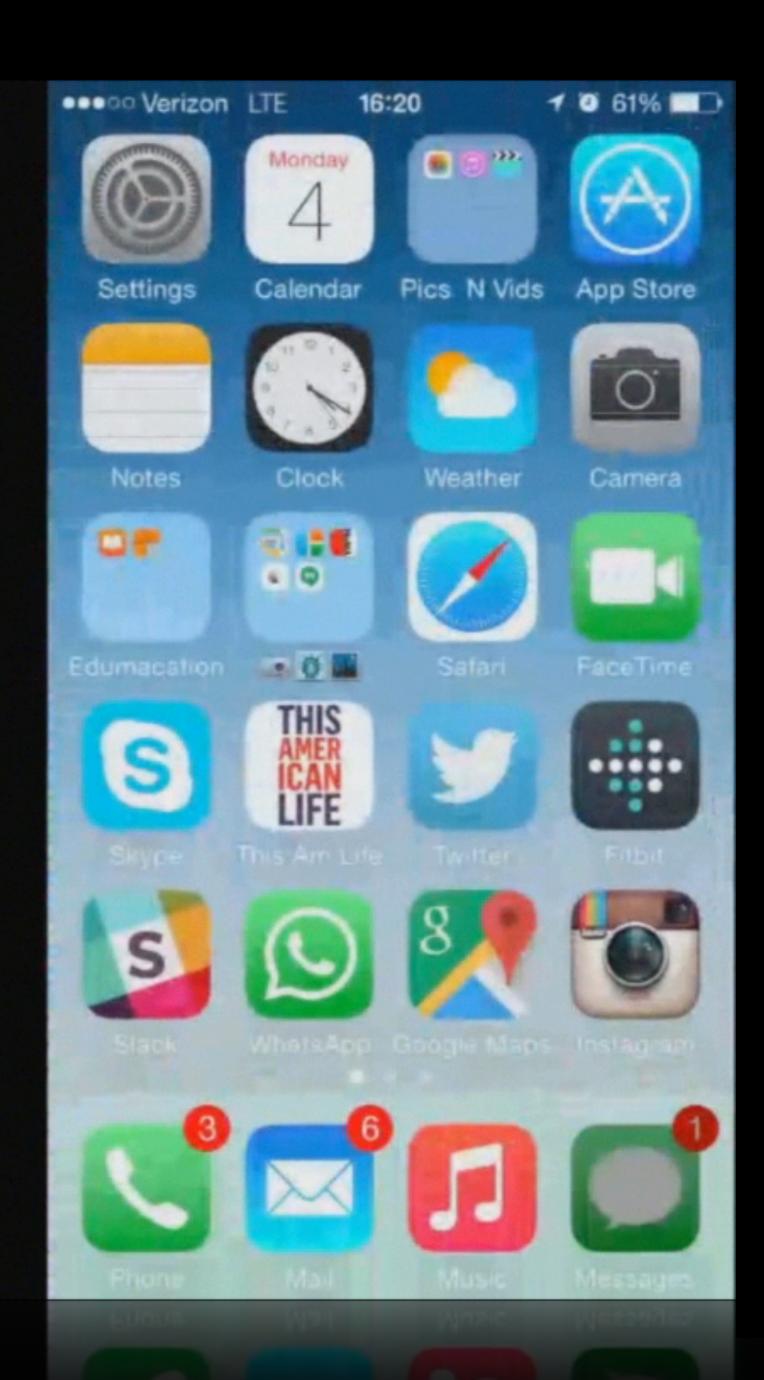


(the new)
digital divide

own mobile phone send text message take picture/video play game/music use social media app send email

app prevents weight gain over 4 years





use app once weekly for one year



data-driven remotely delivered care

data will improve counselor quality, efficiency, cost

we will reach high risk populations



