Please remember to mute your speakers.



VA Mobile Discussion Series

For audio, please dial in using VANTS:

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Thank you for joining. We will begin shortly.





Mobile Cardiac Rehabilitation: VA FitHeart & CR Pro

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VA Mobile Discussion Series

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Overview of Presentation

- Cardiac Rehab Background
- Why an app?
- VA FitHeart (Veteran-facing)
- CR Pro (provider-facing)
- Field Test





Cardiac Rehabilitation (CR)

- CR is a 12-week program of exercise training and health behavior counseling for patients with heart disease
- CR is proven to improve outcomes







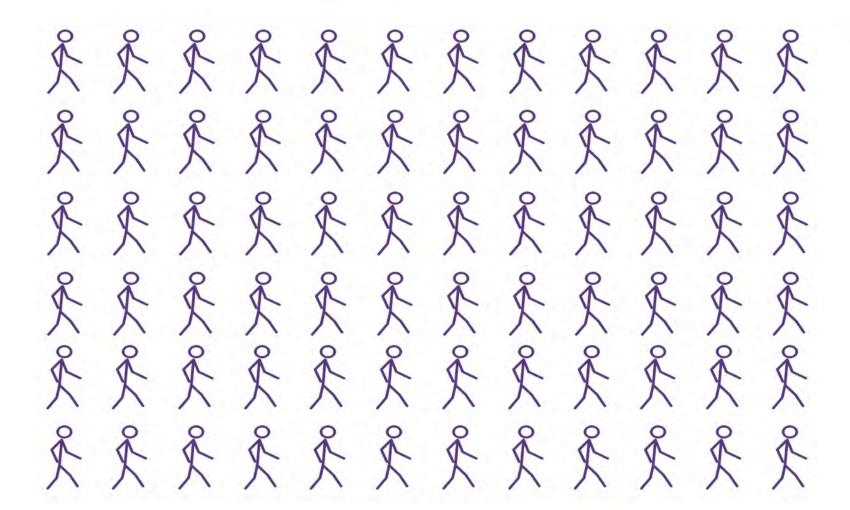




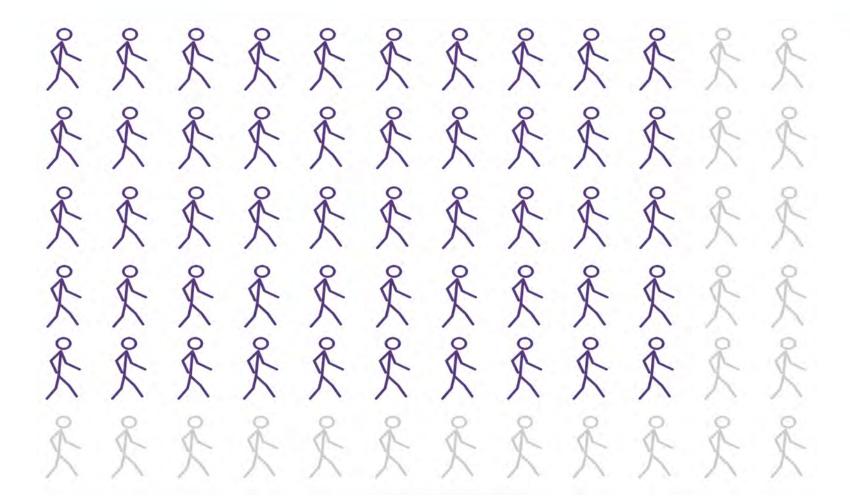


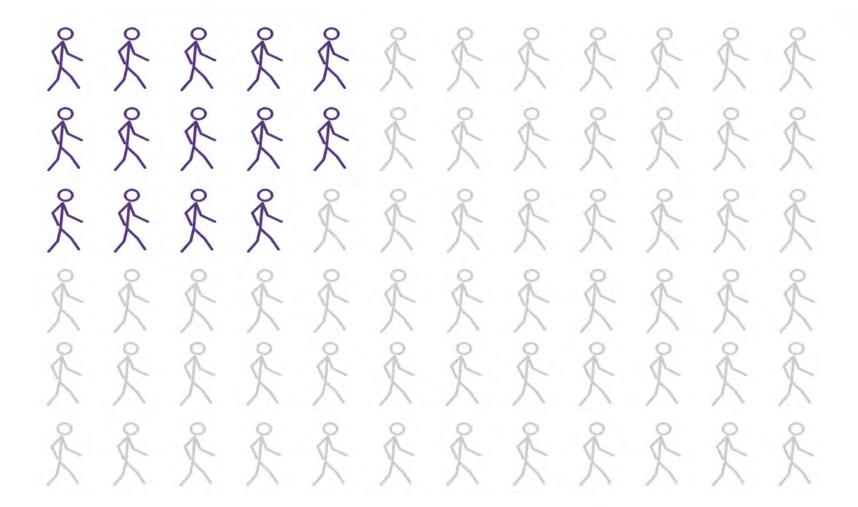






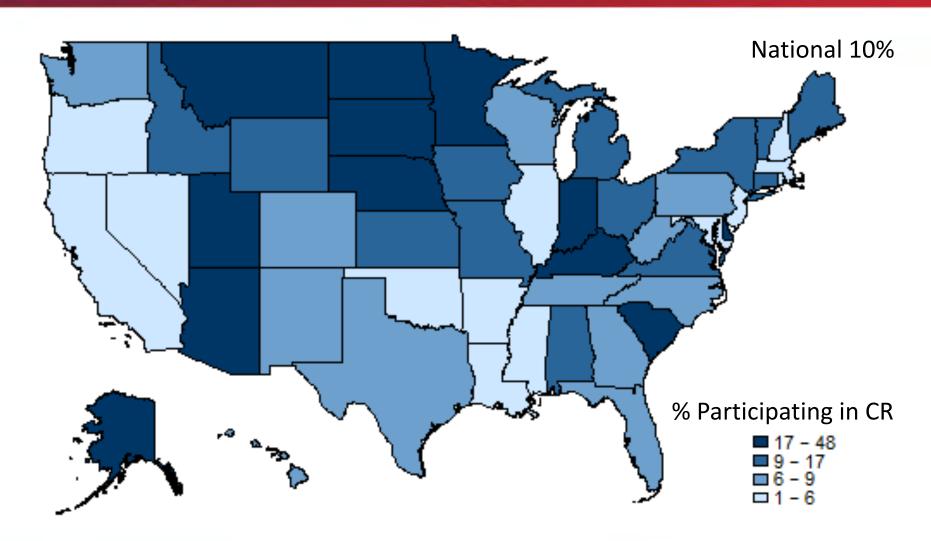








Cardiac Rehabilitation Participation VA



Beatty et al. Circulation 2018



Barriers to CR

- Patients usually required to attend 12-week program at a local CR facility
 - Not all VA facilities have a CR program or facility
 - Difficult for those who live in more rural areas, who have work or caregiving responsibilities, or who have transportation issues
- Can be costly to attend CR sessions

How do we break down these barriers?

- Make it easier for patients to participate in CR
- Improving participation in CR will improve Veteran health

Ongoing VA efforts to improve CR use

Home CR (Office of Rural Health)

Date	Blood Pressure	Heart Rate	Weight	Blood Glucose	O ²	Took Meds (y/n)	Daily Steps	EXERCISE
6-1-17	124/68	67	180	No	98	y	6,580	Walk + ARM CURL, ROWS, ElboW Extension, Chest Press
6-2-17	116/64	72	181	126	96	y	4,820	Bike Ride
6-3-17	13470	80	179	108	97	y	8,052	Walk + heel Raises, leg curls, hip Flexion
6-4-17	120/66	70	180	138	98	y	8,271	Walk + Peddled - upper body + Front raise, Side raise, Arm Curl
6-5-17	130/12	7/8	182	150	95	n	4,015	
6-6-17	112/10	99	181	120	99	y	9,287	Walk + Knee Extension, Chair Stand, Hip Flexion
6-7-17	114/12	62	180	106	97	n	5,146	Walk - 20 min Bike - 20 min

This week I had:

CHEST PAIN: \$\frac{1}{2} \text{PS} \text{PS} \text{No} \\
- Angina Score (0-4): \$\frac{2}{2} \\
- Number of Episodes: \$\frac{1}{2} \text{No} \\
- Dyspnea Score (0-10) \$\frac{1}{4} \\
- Number of Episodes: \$\frac{1}{2} \text{No} \\
- Number of Episodes:

- Makes it easier to share data with providers
- Set reminders
- Visual display of data

SAMPLE . PATIENT DIARY



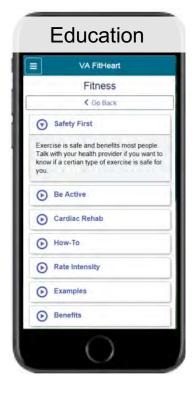
VA FitHeart

Patient-facing mobile application for cardiac rehab





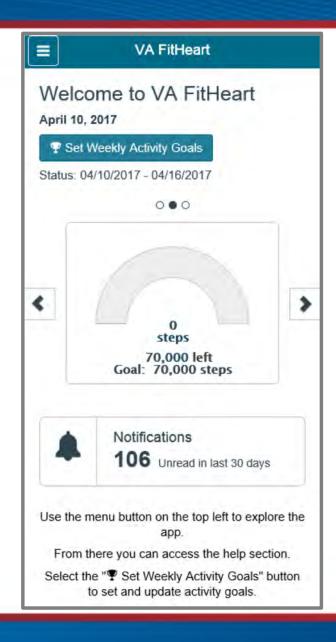








VA FitHeart – landing page



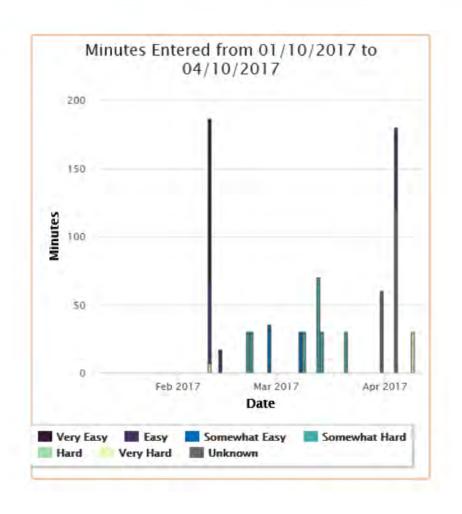


VA FitHeart - Fitness





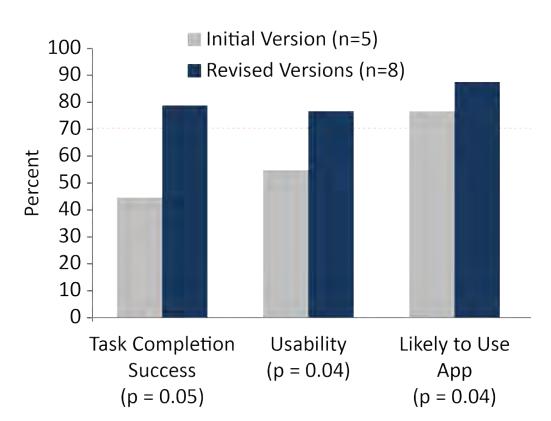
VA FitHeart – View activity





FitHeart - Usability







Usability Testing – Veteran Feedback



Testing

- General Enthusiasm "I think that the idea of an app that records all of the information that this app is doing will be very valuable. Actually somewhat of a motivation for me to do this thing."
- Tracking Health Measures "I think it'll be good to track my exercise and to see what I'm doing."
- <u>Introductory Training</u> "Initially, training with a technical person, instead of me relying on myself."
- Sharing Data with Providers "It would also be helpful to share with my doctor, it just being a matter of clicking a button and sharing it with my doctor."







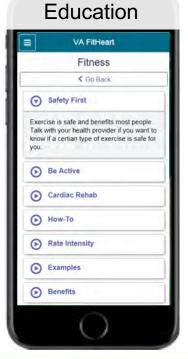














General Positive Feedback

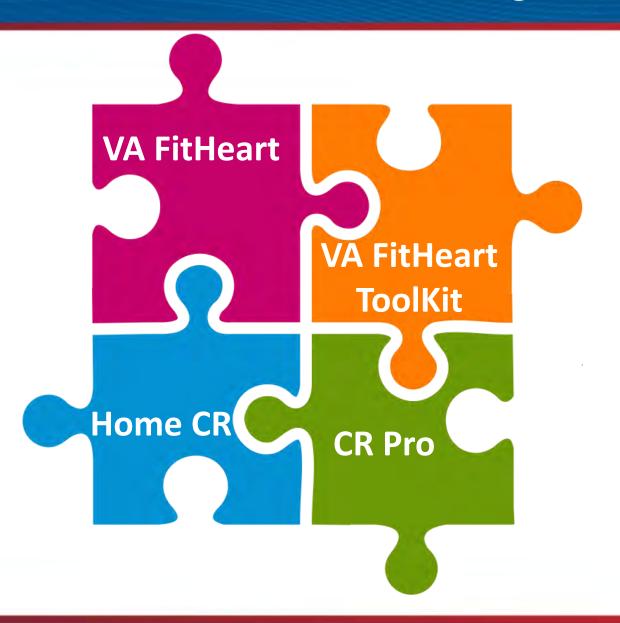
- "It actually was encouraging me to do what I was supposed to do. To keep track of things and for me, to actually exercise because I had to write it down."
- "The app is user friendly."

Lessons Learned

- Initial Training
- DS Logon is a challenge Training time DS Logon (45 minutes) + VA FitHeart (10-15 minutes)
- Sharing data with providers We need to test along with CR Pro



Mobile Home Cardiac Rehab Program





CR Pro

Provider-facing mobile application for cardiac rehab







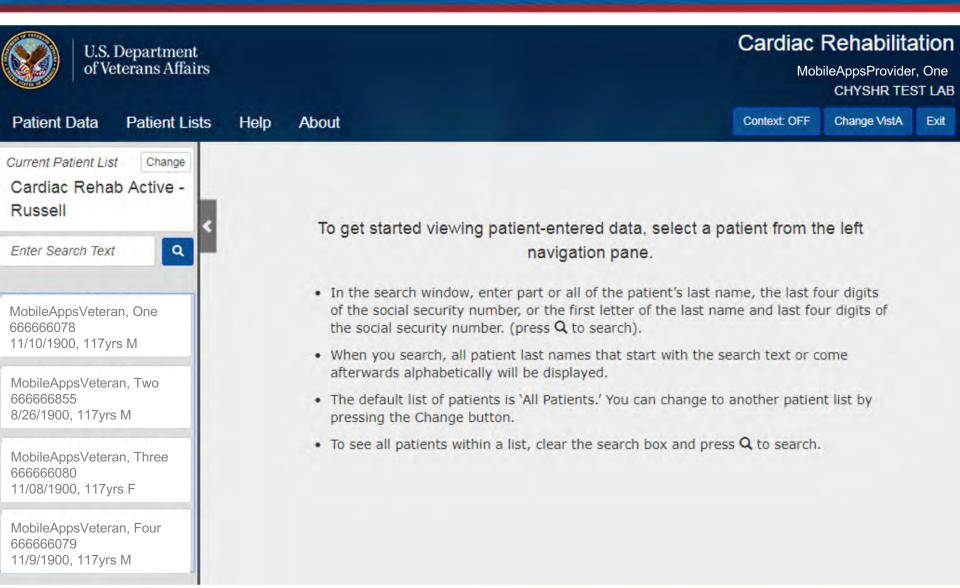






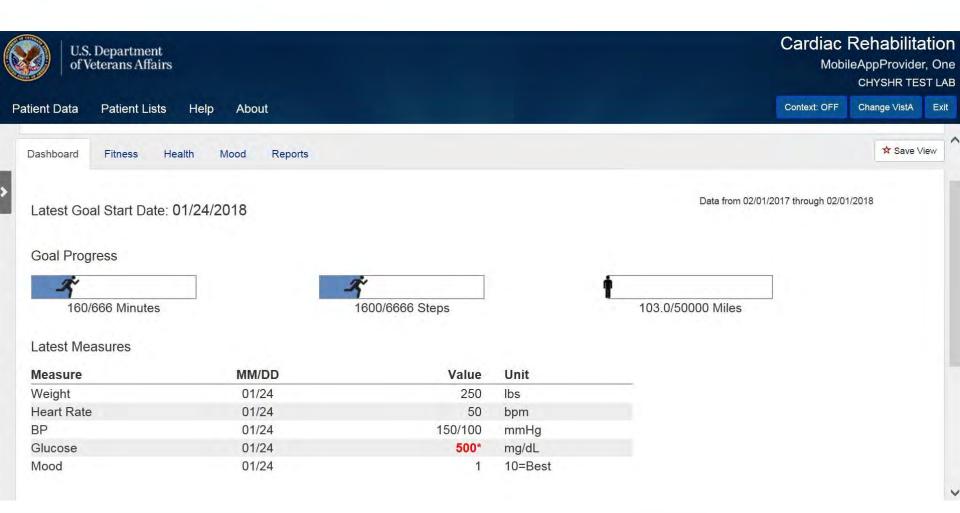


CR Pro – Selecting List/Patient



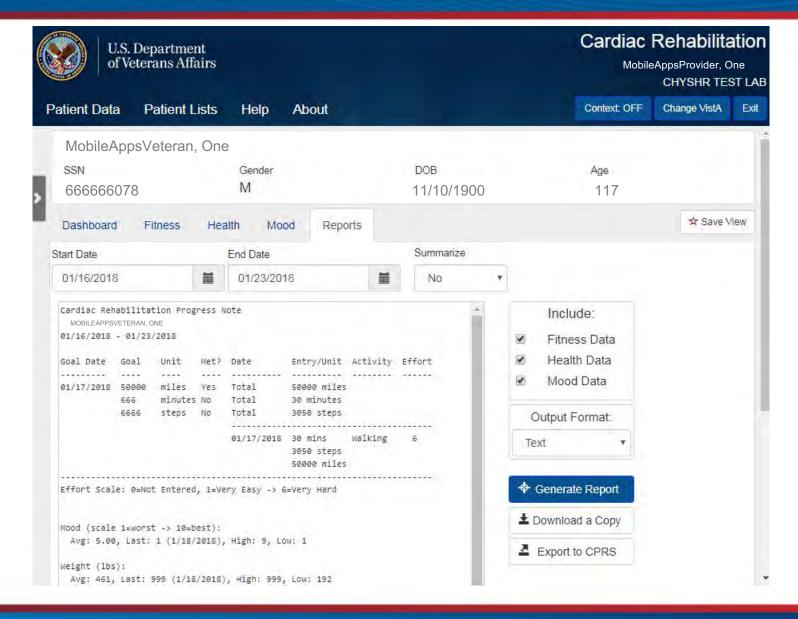


CR Pro – Dashboard





CR Pro – Exporting to CPRS



VA FitHeart

- Phase One VA FitHeart @ VA Puget Sound Sep/Oct 2017
- Phase Two VA FitHeart Limited National Field Test November 2017

VA FitHeart & CR Pro

 Phase Three – VA FitHeart and CR Pro Limited National Field Test – May 2018

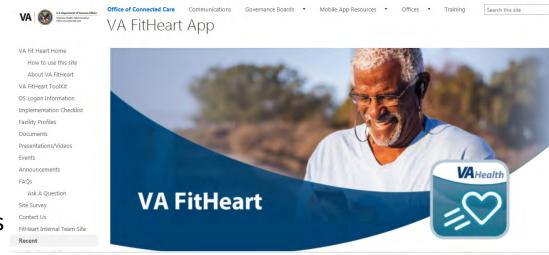
National Release

TBD



Field testing resources

- Beta App Store for Veterans to access VA FitHeart
 - https://mobile.va.gov/app/beta/fitheart
- Beta App Store for providers to access CR Pro
 - https://mobile.va.gov/app/beta/crpro
- SharePoint for VA Staff
 - https://vaww.connectedhealth.va.gov/fitheart/SitePages/Home.aspx
- Training materials
 - Training protocol
 - User guides
 - Training videos
- Implementation aids
 - Quick reference
 - Tools and Tips
 - Peer support suggestions





Q&A Discussion



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What future topics would you like to discuss?

Let us know by providing feedback

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