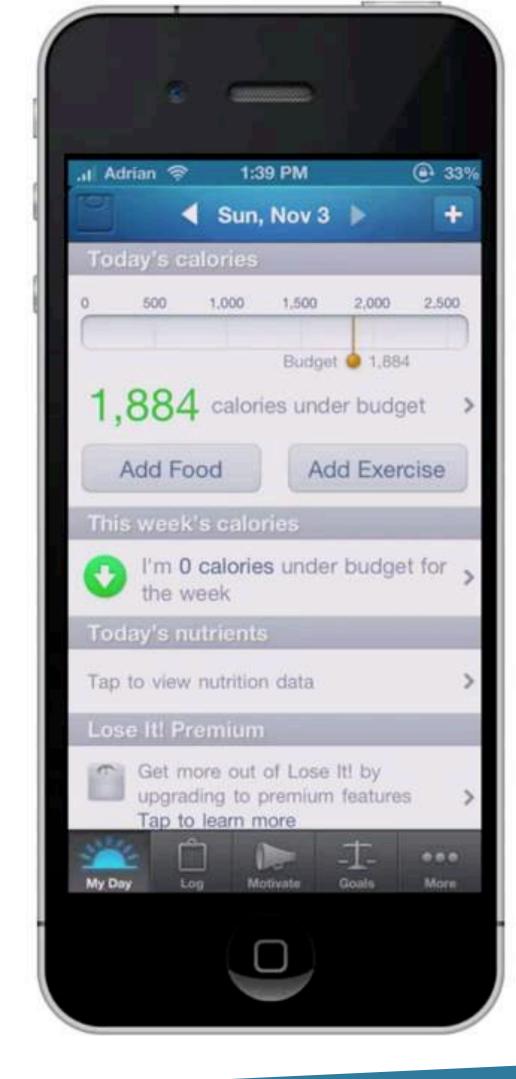
Technology-enabling tools and resources

Kate Wolin, ScD, FACSM CEO

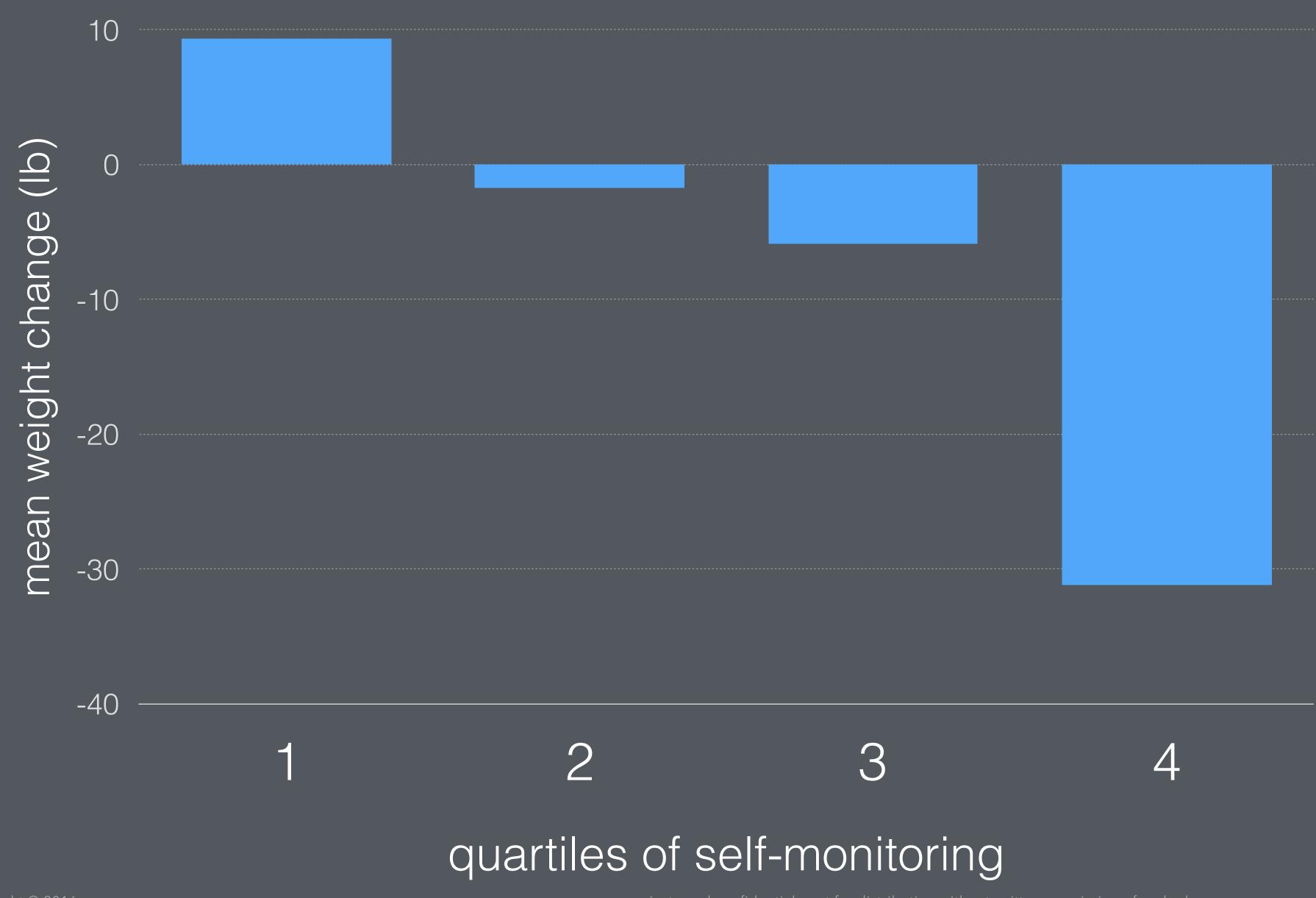
	Meal 1	Meal 2	Meal 3	Meal 4	Meal 5	Meal 6
Mon	- Oatmeal - Peanut butter - Banana - Skimmed Milk	- yogurt (Phin) - Almonds - Rasberry	1 tintuna -1 tbs mago -2 slices of whole grain bread -cucumberslie	Whey proten Shake (water)	-Chicken Breast - Raw salad - Olive oil - Pine seeds	casein Protein Shake (water)
Tues	. watabix (x2) - Shimmed Milk - Honey	-babybel - Orange - Kiwi	Egg white omalette (x3) - Spinich - Cheese - Onion		-Beef (ginger) - Cooked Veg - 2 Sheet Potato	- Almonds - Bulpoached egg
Wed	-Datmeal -Feanutbutler -Banana -Skinned mills	- Greek yegget - Almonds - mixed berrys	- Bedied potato - tura (1 can) - mayo (1 Hos)	chake	-Grilled Salmon - broiled Broccoli - Brown Cice	Custin Protein Shein- (water)
Thurs	- Weetabix (x2) - Skimmed with - Honey	fruit solad (apple, pear, orange, kini)	1 Slice of Chicken broast - letter - cacumber - 2 who regrain bread	1 R. bubel	- Cooked pork - Egy nocodles - beunshoots - Onion	mixed
Fri	-Outneal -Peanut butter -Banana - Skinned anilk	-yogurt (plan) - Honey - Rusberry	3 sommbled eggs on Wholegrain toast	whey dooten shake (water)	-Grilled Salma -Grilled Veg -Brown rice	(asein protein shahe (water)
Sat	- Weetabix (x2) - Skimmed milk - Honey	Smoothie - oat neal - berrys - peanwit butter - shimmed milk - I ce	-Cheese -2 Slices of wholegram toast	Grange, rewi)	-Chicken Breast -Grilled Veg -Sweet polcho	2 scrumbled eggs.
Sun	-3 Poached eggs -2 Sikes of wholenead bread (Toosled)	2 oat cakes 1 tos Cottage Cheeses	-Baked potato -Chicken Brewst -mayo	Smoothie - outmeal - berrys - peanut butter - summed milk - ice	Omelette -cheese, onion - pepers - Hum, mush- room	mixed nuts



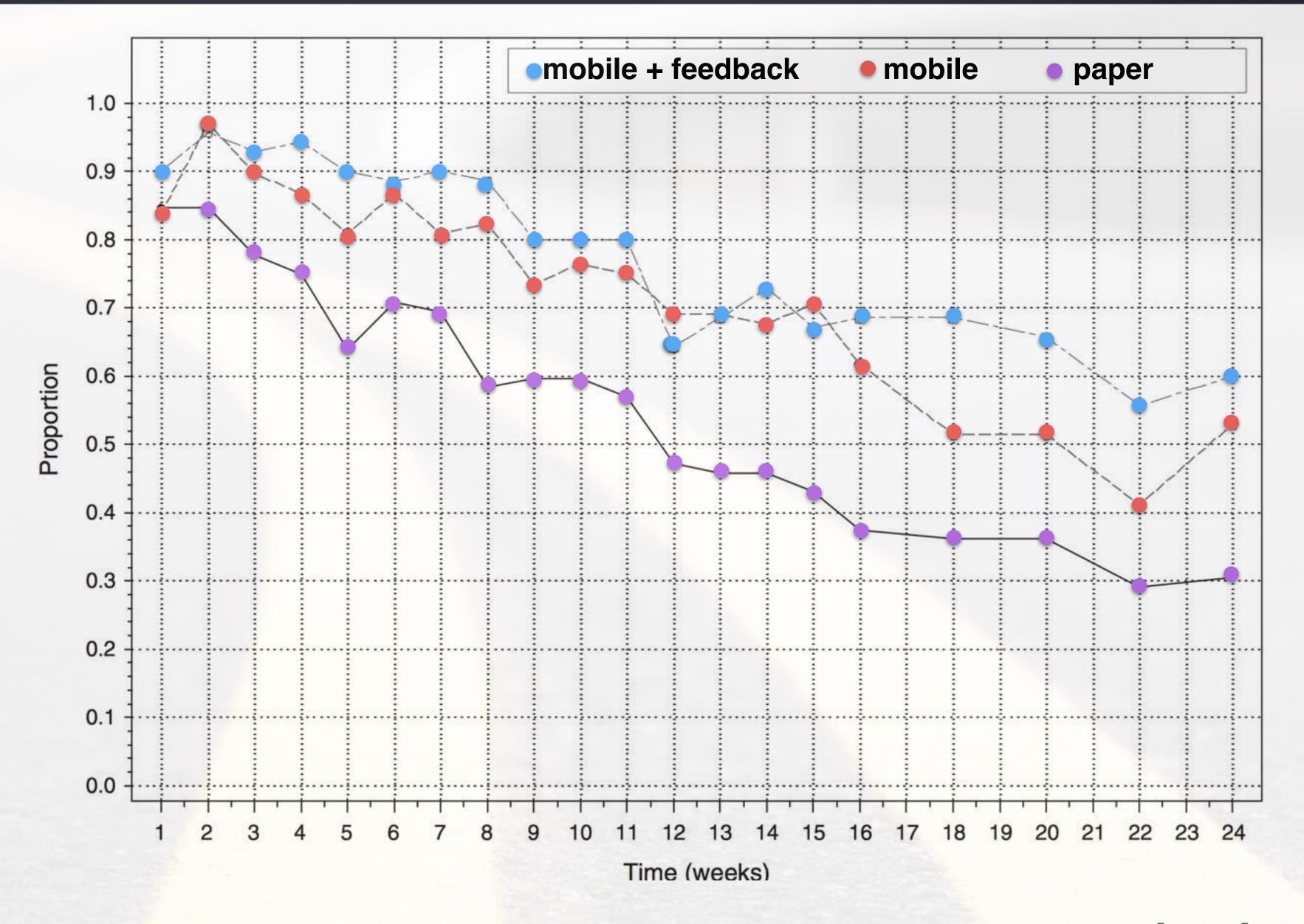


"self-monitoring is the cornerstone of behavioral treatment for weight loss"

baker & kirschenbaum 1993



diet and physical activity tracking declines



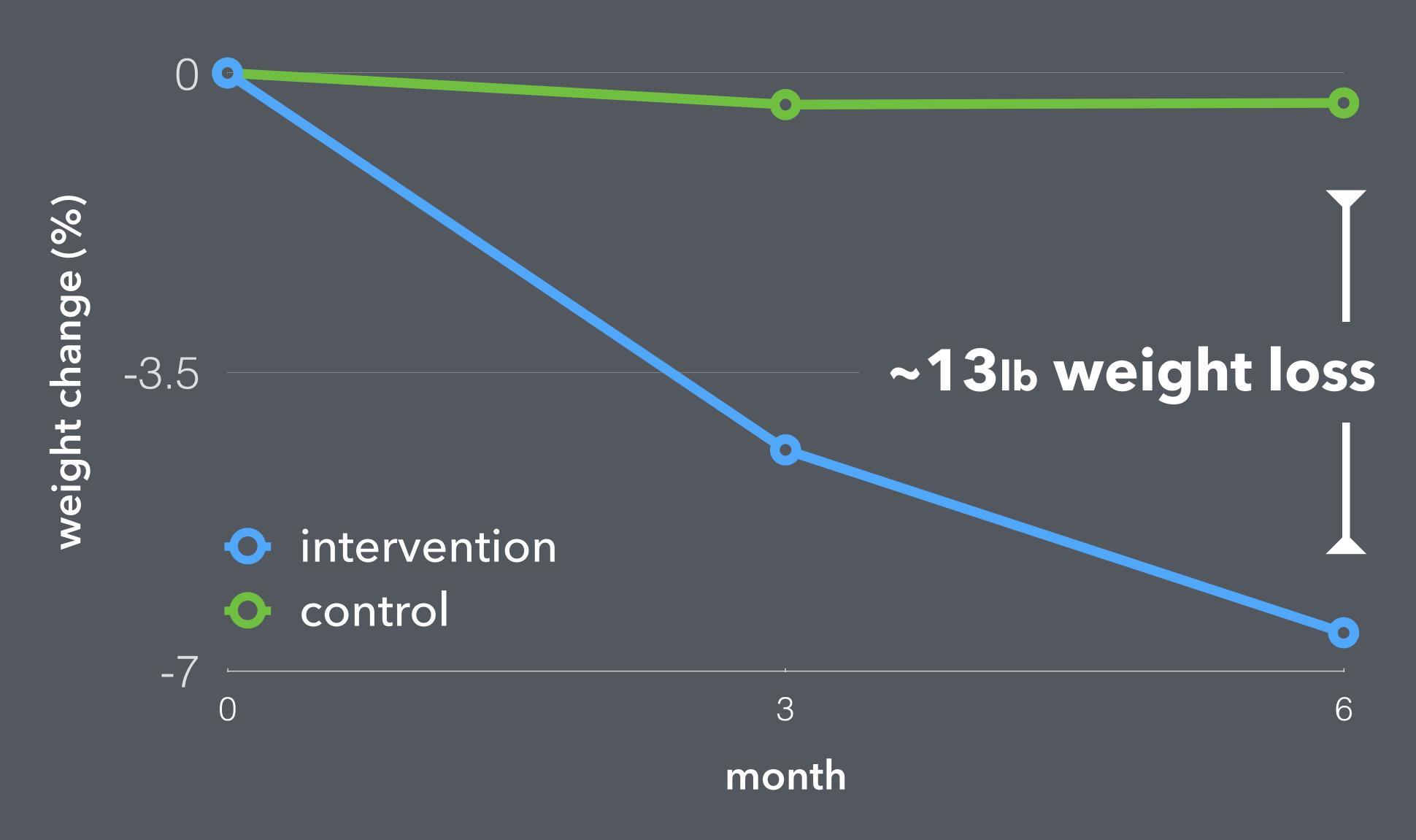
self-monitoring

:: tracking > self-regulation > weight loss

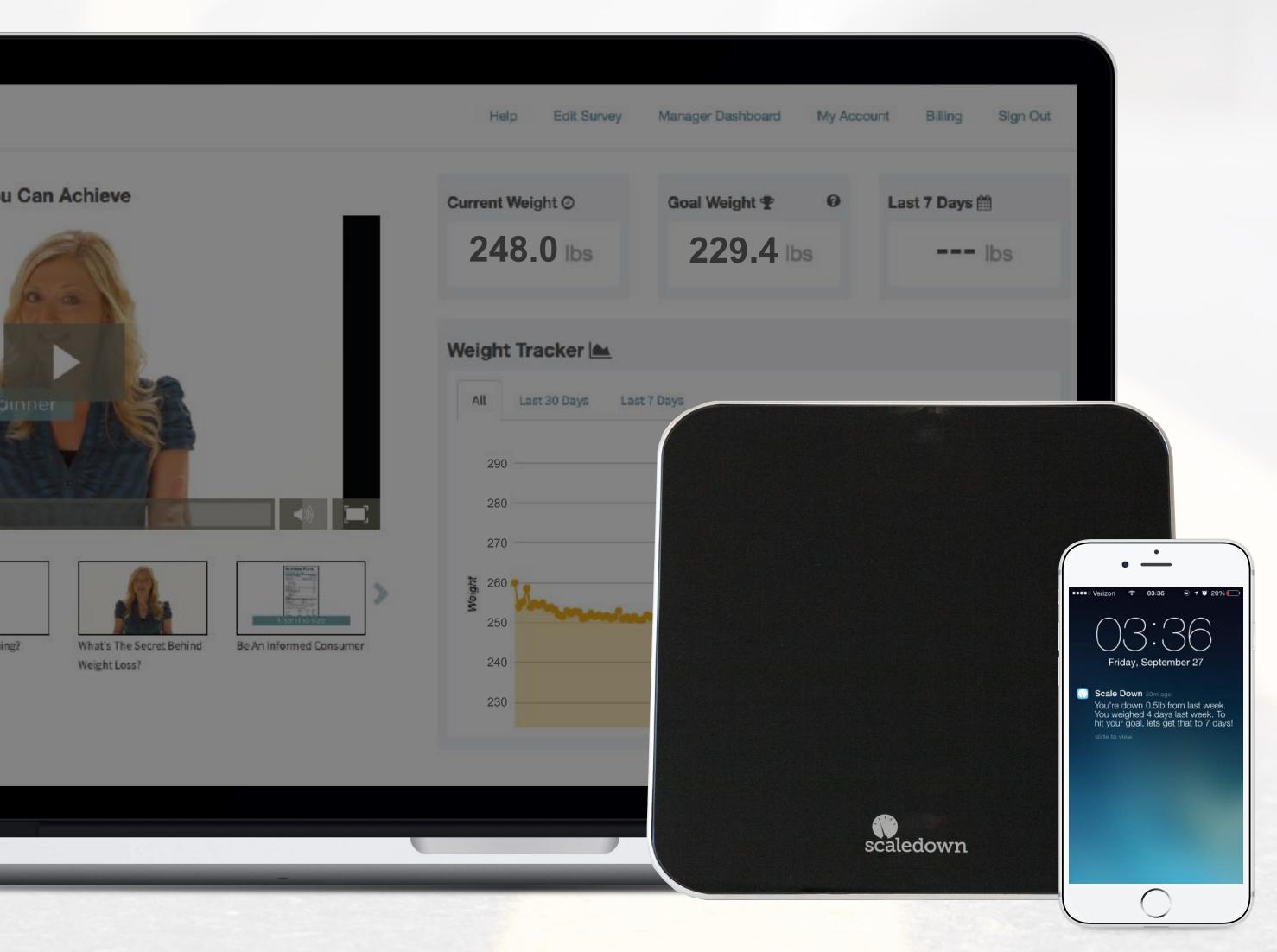
: most fail with diet/exercise tracking

tracking weight is easy to make habitual

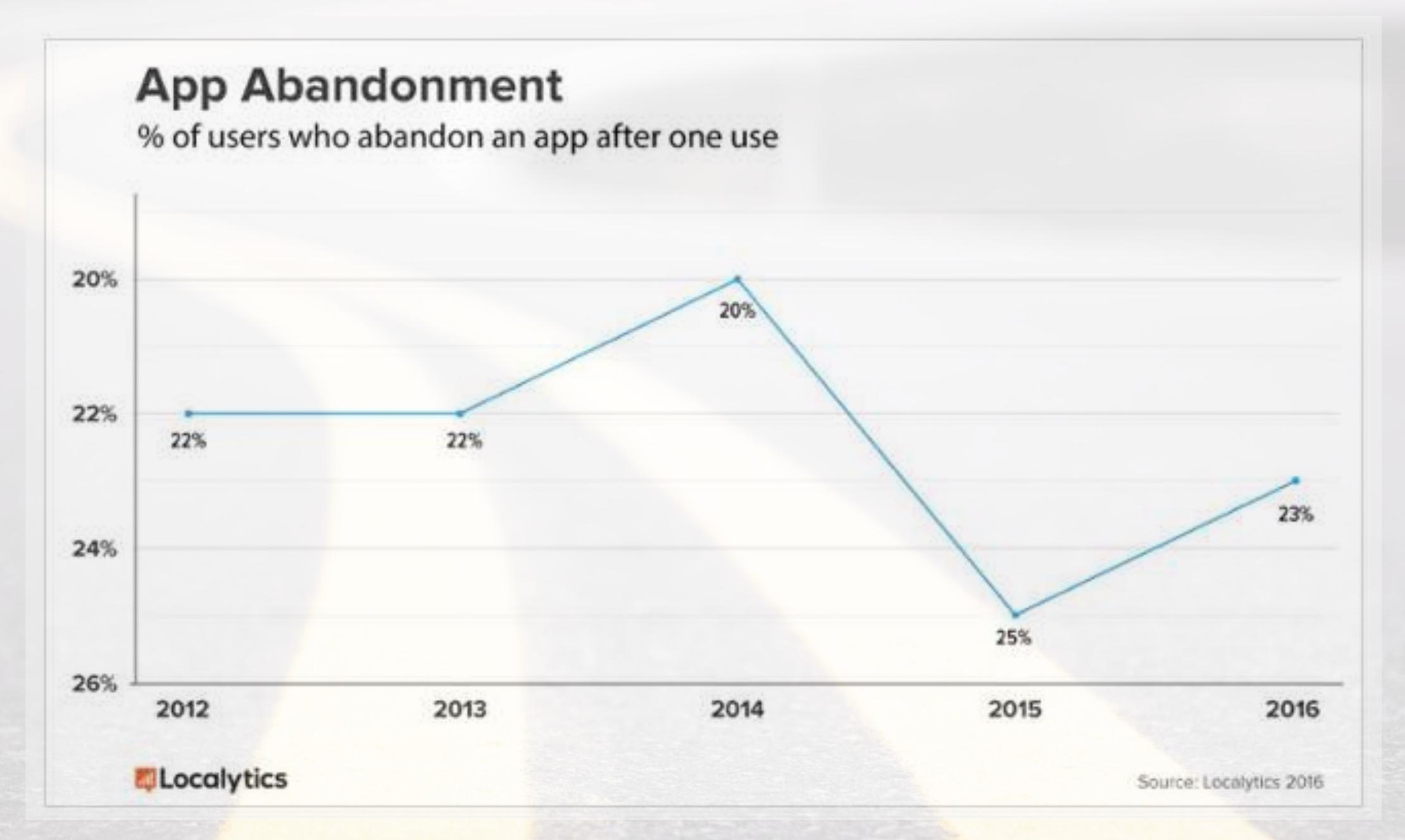
:: daily weighing > largest weight losses



SCALEDOWN SOLUTION



- Cellular Connected Smart Scale
- Just-In-Time Daily Feedback
- Weekly Progress Report
- Skills Training Lessons
- Resource Dashboard



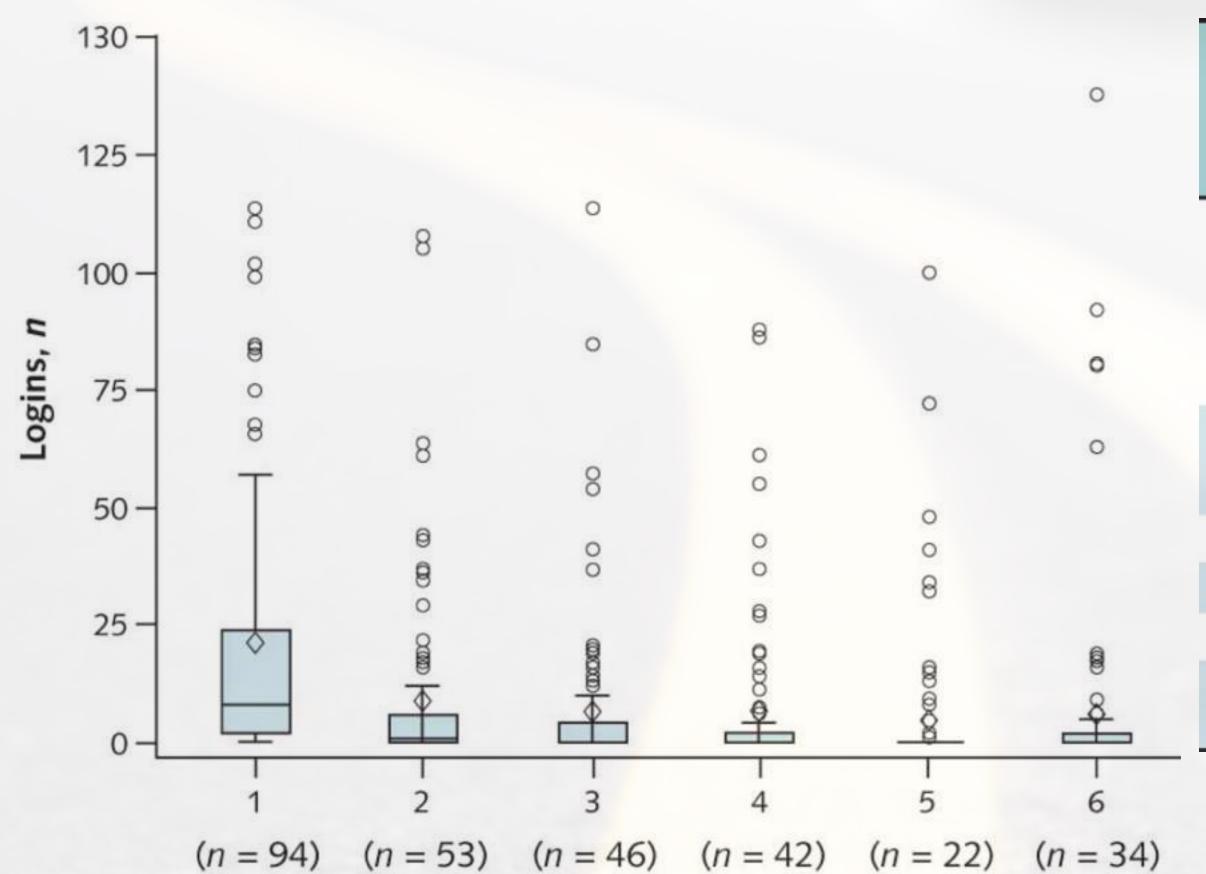


Table 4. Logins Among Intervention Group Participants, by Month

Characteristic	Month						
	1	2	3	4	5	6	
Participants who logged in, n (%)	94 (97)	53 (55)	46 (47)	42 (43)	22 (23)	34 (35)	
Mean logins, n	20.9	8.6	6.5	6.3	4.3	6.2	
Median logins, n	8	1	0	0	0	0	
Interquartile range	2-24	0-6	0-4	0-2	0-0	0-2	
Range	0-114	0-108	0–114	0–88	0–100	0–138	

Study Month

Number of logins among MyFitnessPal users, by month.

Boxes represent the median number of logins and interquartile range.

From: Effectiveness of a Smartphone Application for Weight Loss Compared With Usual Care in Overweight Primary Care Patients: A Randomized, Controlled TrialSmartphone Application for Weight Loss in Overweight Primary Care Patients

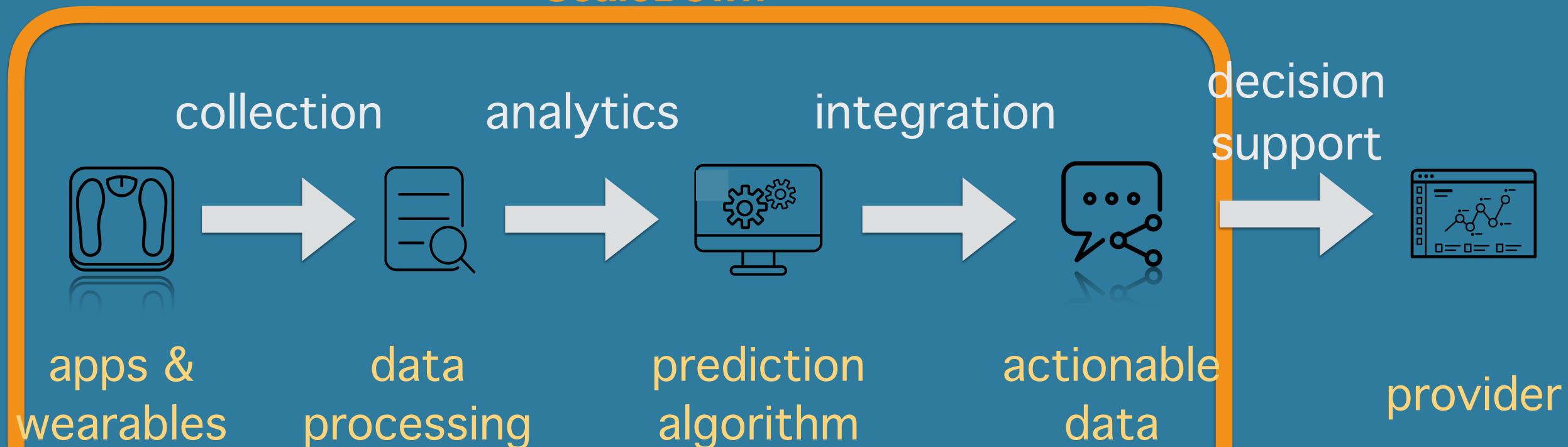


	Device/Equipment Requirements						
Pairing Method	Sending Device	Receiving Device	Phase I: Setup	Phase II: Exchange	Phase III: Outcome	OOB Channels	
Resurrecting Duckling*	Hardware port (e.g., USB) on both and extra cable		Connect cable to both devices	NONE	NONE	Cable	
Talking to Strangers*	IR port on both		Activate IR on both & find /align IR ports	NONE	NONE	IR	
Visual Comparison: Image, Number or Phrase	Display + user-input on both		NONE	Compare two images, or two numbers, or two phrases	Abort or accept on both devices	Visual	
Seeing is Believing (SiB)*	eing is Believing (SiB)* Display + Photo camera + user-output		Activate photo mode on receiving device	Align camera on receiving device with displayed barcode on sending device, take picture	Abort or accept on sending device based receiving device decision	d Visual	
Blinking Lights*	LED + user-input	User-output + Light detector or video camera	Activate light detector or set video mode on receiving device	Initiate transmittal of OOB data by sending device	Abort or accept on sending device based receiving device decision	Visual	
Loud & Clear *Display-Speaker *Speaker-Speaker	User-input on both + •display on one & speaker on other, or •speaker on both		NONE	Compare: two vocalizations, or display with vocalization	Abort or accept on both devices	•Audio, or •audio + visual	
Button-Enabled (BEDA) *Vibrate-Button* *LED-Button* *Beep-Button*	User input + •vibration , or •LED, or •beeper	•vibration , or User output + Touch or •LED, or One button + both devi		For each signal (display, sound or vibration) by sending device, press a button on receiving device	Abort or accept on sending device based receiving device decision	Tactile, orVisual + tactile, orAudio + tactile	
Button-Enabled (BEDA) *Button-Button*	One button on both + user- output on one		Touch or hold both devices	Simultaneously press buttons on both devices; wait a short time, repeat, until output signal	NONE (unless synch. error)	Tactile	
Copy-and-Confirm*	Display + user-input	Keypad + user-output	NONE	Enter value displayed by sending device into receiving device	Abort or accept on sending device based on receiving device decision	Visual	
Choose-and-Enter*	User input on both devices		NONE	Select "random" value and enter it into each device	NONE (unless synch. Error)	Tactile	
Audio Pairing* (HAPADEP variant)	Speaker + user-input	Microphone + user-output	NONE	Wait for signal from receiving device.	Abort or accept on sending device	Audio	
Audio/Visual Synch. Beep-Beep Blink-Blink Blink-Beep	User-input on both + Beeper on each , or, LED on each, or Beeper on one & LED on other		NONE	Monitor synchronized: •beeping, or •blinking, or •Beeping & blinking	Abort on both devices if no synchrony	■Visual, or ■ Audio, or ■Audio + visual	
Smart-its-Friends*, Shake-Well-Before-Use*	2-axis accelerometers on both + user-output on one		Hold both devices	Shake/twirl devices together, until output signal	NONE (unless synch. error)	Tactile + motion	

^{*}Resistant to a "rushing user" behavior

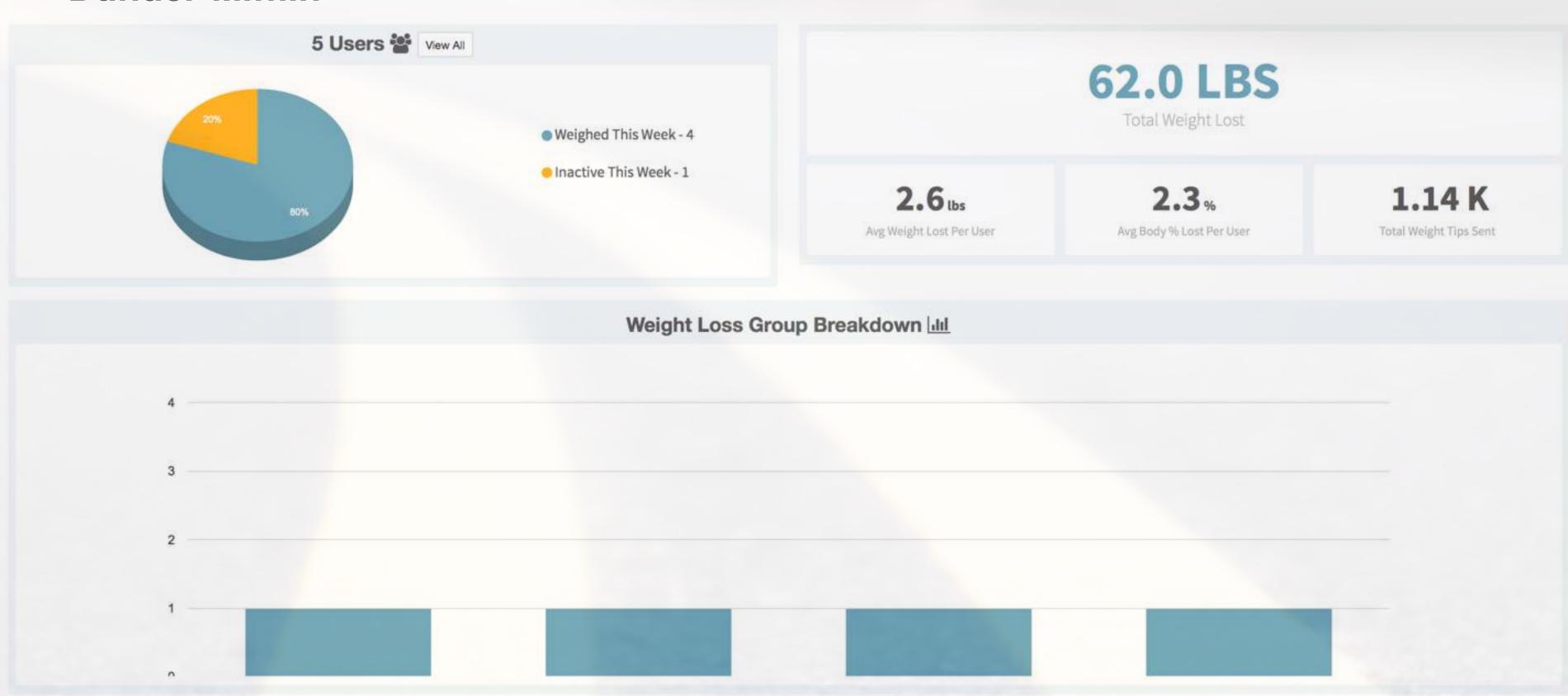


ScaleDown





Dunder-Mifflin



affiliate dashboard



Michael Scott

Starting Weight

248.0

02/13/16

Current Weight

229.4

05/02/16

Goal Weight @

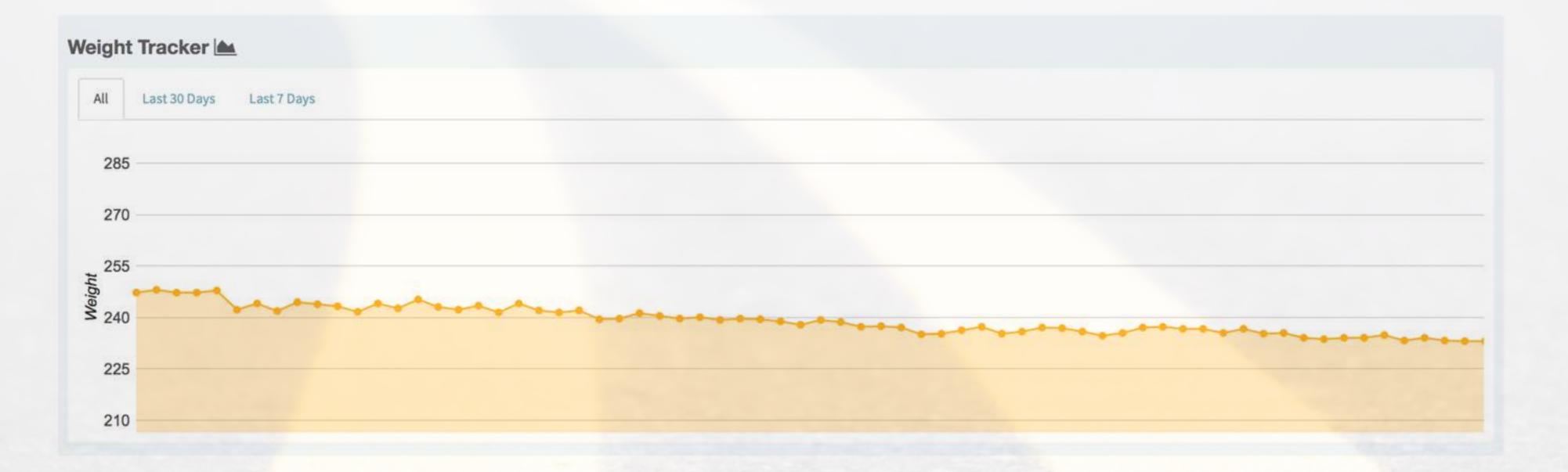
223.2

6.2 lbs to goal

Days Weighed

7

Last 7 Days



affiliate dashboard: track users

OUR TEAM

Kate Wolin, ScD CEO/Co-Founder



- Wash U, Loyola Professor
- Exercise Science Leader
- Predictive Algorithm Expert
- Harvard & Northwestern Graduate





Gary Bennett, PhD
Co-Founder

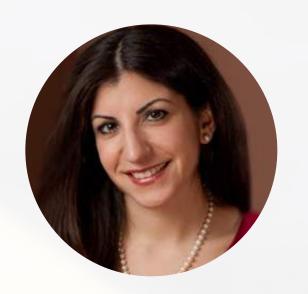


- Duke, Harvard Professor
- Leads Duke Digital Health
- Co-Founder of Crimson Health (acquired by Health Dialog)
- Duke & Harvard Graduate





Dori Steinberg, PhD, RD
Co-Founder



- Duke Researcher
- Clinical Obesity Expert
- Leader in Self-Weighing Science
- Harvard & UNC Graduate





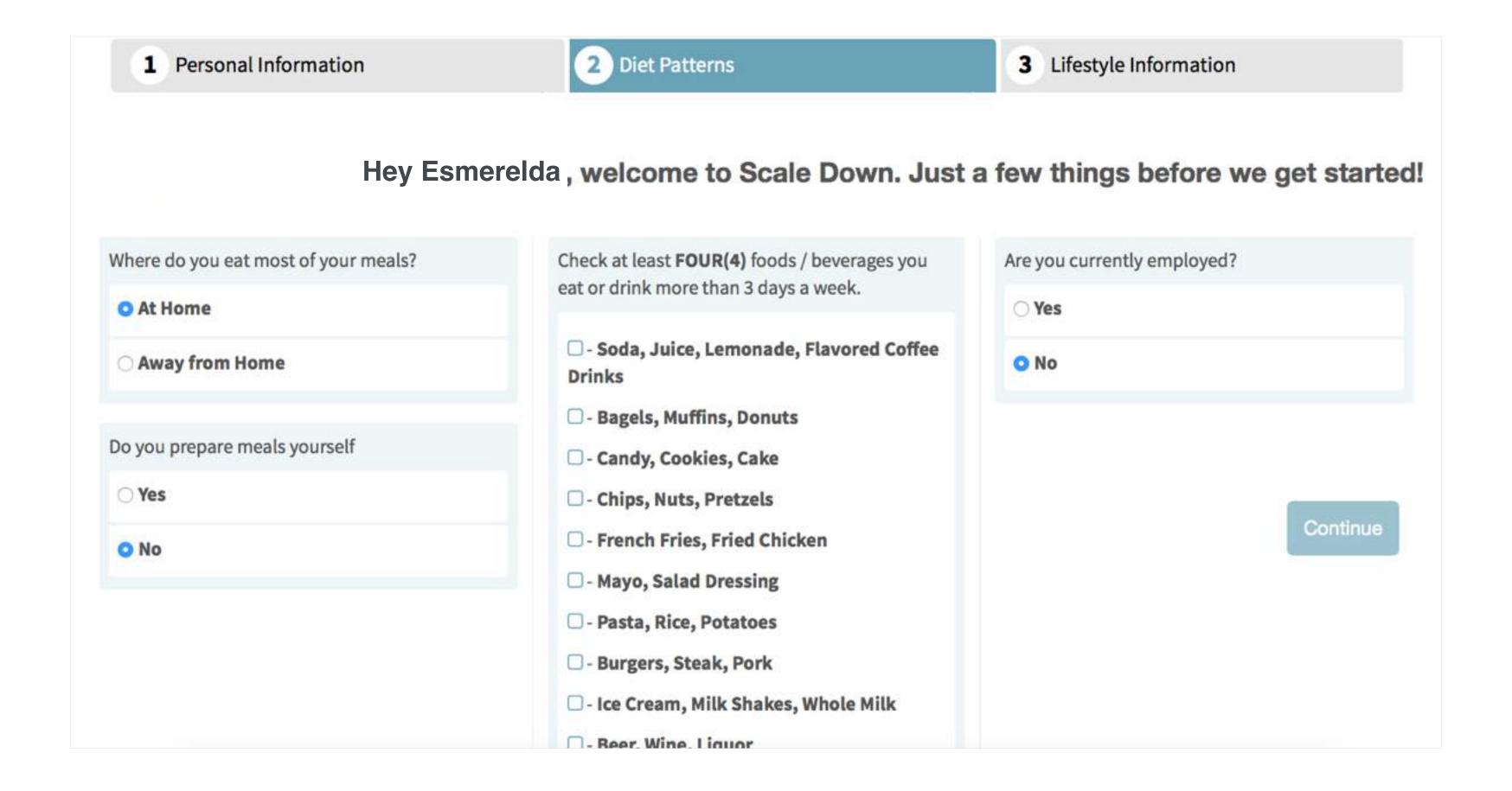
Ben Block
VP Tech



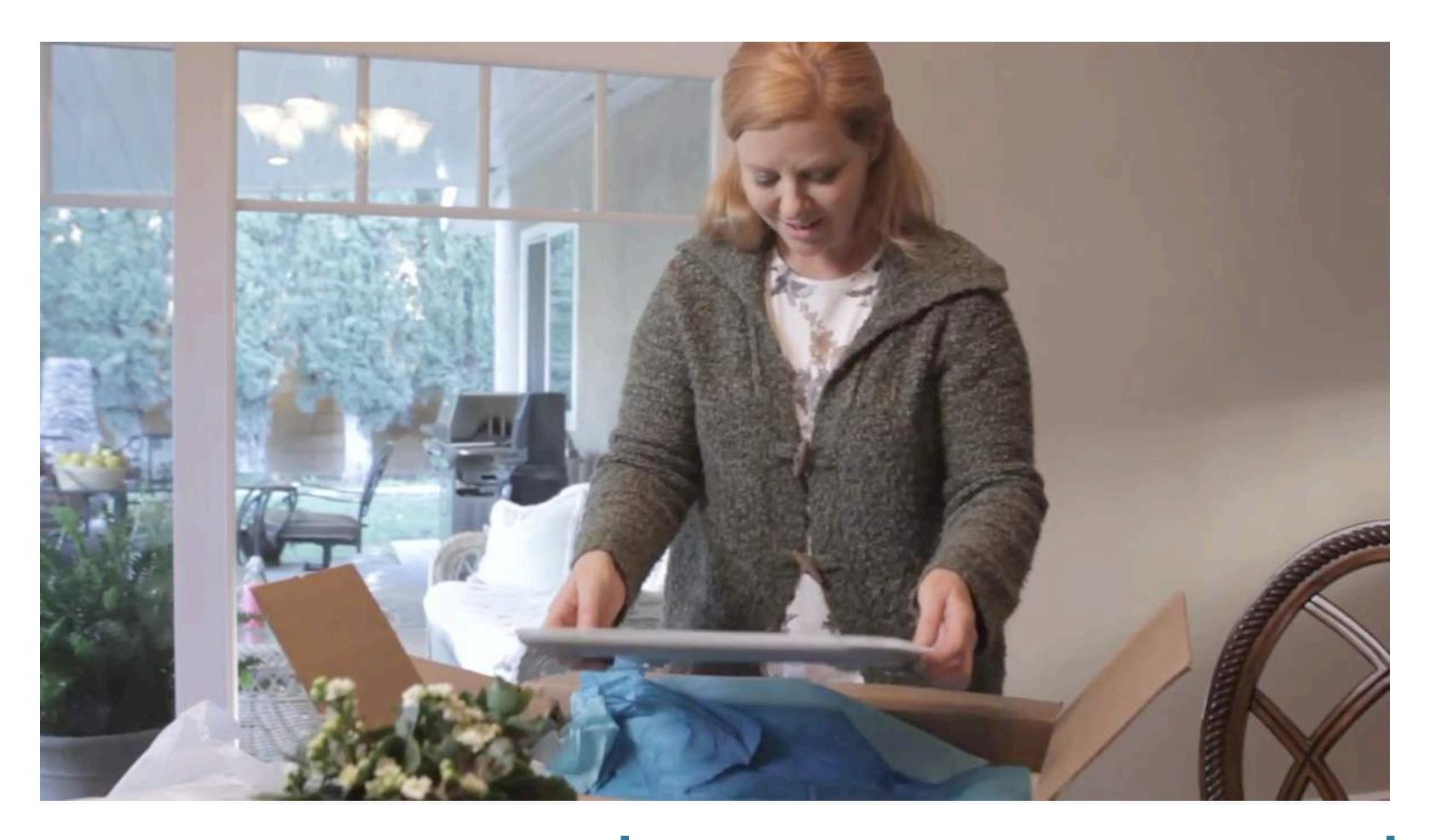
- COO at WeDeliver
- Lead developer for a specialty healthcare center
- Lead Developer for SAAS government contractor



kate@scaledown.me



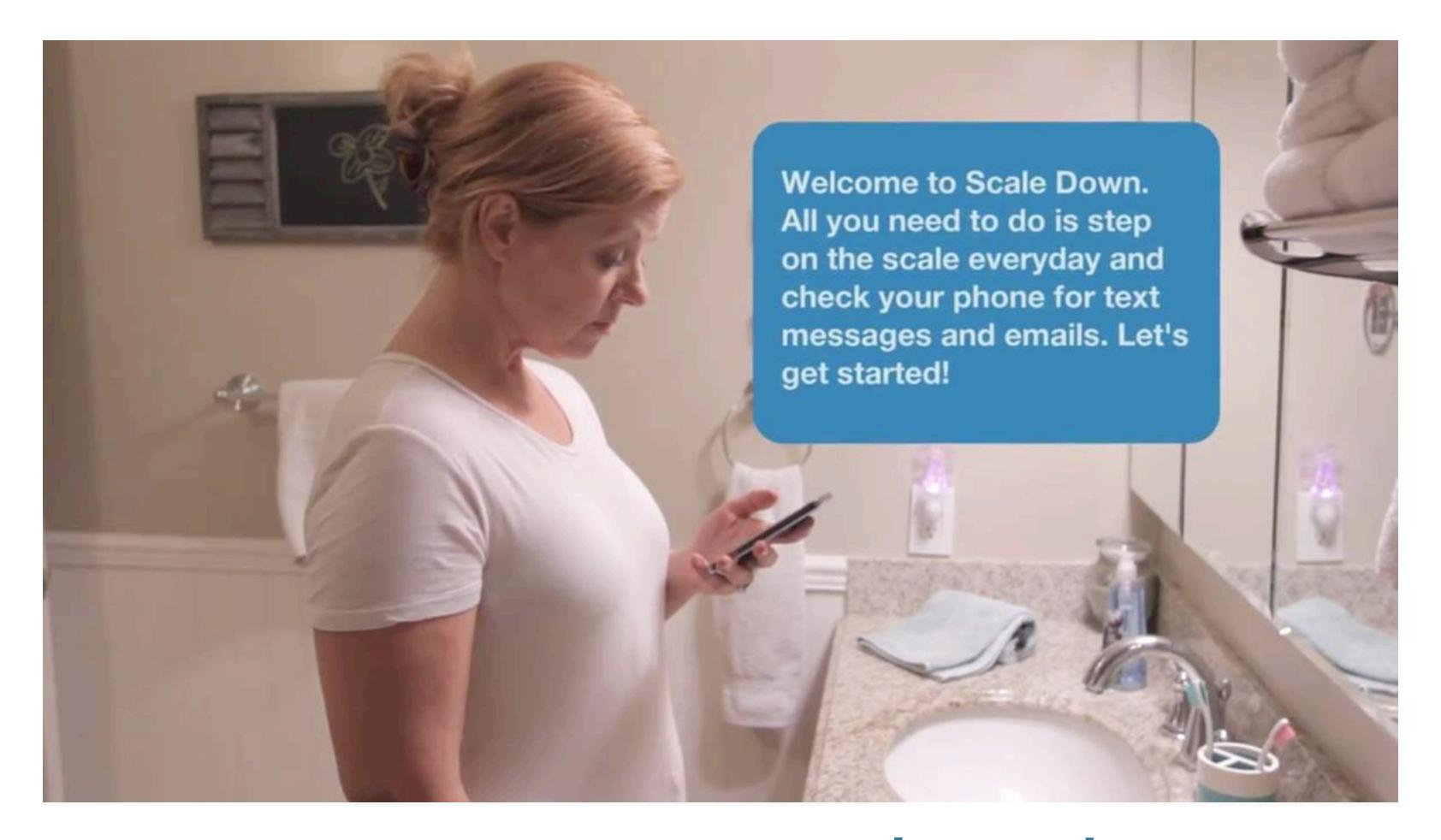
step 1: fill out a brief survey



step 2: marvel at your new scale



step 3: step on the scale



step 4: get a personalized program