USABLE PRIVACY POLICY Project

(1) Privacy Policies

- We are inundated with Privacy Policies
- They are
 - Too Long
 - Often in Legalese
 - People don't read them
- > We make shorter privacy notices, but including all of the pertinent information in the Notice can still generate a long Notice
- Two key ideas
 - Add framing statements to increase focus and attention
 - Remove 'well-known'/expected practices, to allow greater focus on practices that are surprising
 - Goal of leading to higher awareness of all Privacy Practices



- We chose to examine Fitbit Privacy Practices
 - Fitness Wearables are a growing market
 - Fitbit is the market leader in Fitness Wearables
 - Wide range of information collected
- Determined a list of Collection, Sharing, Selling, and Storage practices from Fitbit Website.
 - Asked questions about these practices

Collection:								
Steps								
Distance	12. Imagine you are using a Fitbit Surge,	which of the follow	ing types of	^f informat	ion do you t	hink Fitbit would	collect about you	u?*
Info Posted to Profile		Definitely	Probably	Might	Might not	Probably Does	Definitely Does	l'm
		Collects	Collects	Collect	Collect	not Collect	not Collect	Unsu
•	Your perspiration rate	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc	
•	four perspiration rate	0	\bigcirc	\bigcirc	\bigcirc	\bigcirc	0	U
Height	Your mood	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc	0
Location Specific	N/ 100 I		0	0			0	
Share With	Your altitude	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc	0
Fitbit Friends	Your shoe size	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc
Companies Providing Services		\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc	Ŭ
Directed Organizations	How many steps you've taken	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc
Government	How far you've walked	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc
Misc.	How full you ve walked	0	\bigcirc	\bigcirc	\bigcirc	U	0	U
Where to Find Privacy Policy	Information you've posted to your Fitbit pr	ofile	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc
Use Fitbit Without an Account	Your name	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc
Selling Data Conditions								
Data Retention Policy	A list of your Facebook friends	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc	C



How Short Is Too Short? Implications of Length and Framing on the Effectiveness of Privacy Notices



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(3) Our Study Three Phase M-Turk Study Phase 1 Notice Design (200 Mturkers over 4 Conditions, What Notice Format is Best Phase 2 Baseline Knowledge (70 Mturkers, 1 Condition, What Fitbit Practices are Known with NO Notice) Phase 3 Notices, Framing and Length (400 Mturkers, 10) conditions (3 x 3 Positive/Negative/Neutral Framing x Short/Medium/Long + Control (i.e. No Notice)) Baseline Knowledge Notice Design (Study 1) (Study 2) Notices, Framing, and Length (Study 3)



Positive and Negative Framing

Fitbit may share or sell aggregated information that does not identify you.

Fitbit may share or sell aggregated information that does not identify you.

Selling your aggregated de-identified data allows provide Fitbit devices at lower cost, with no service charges.

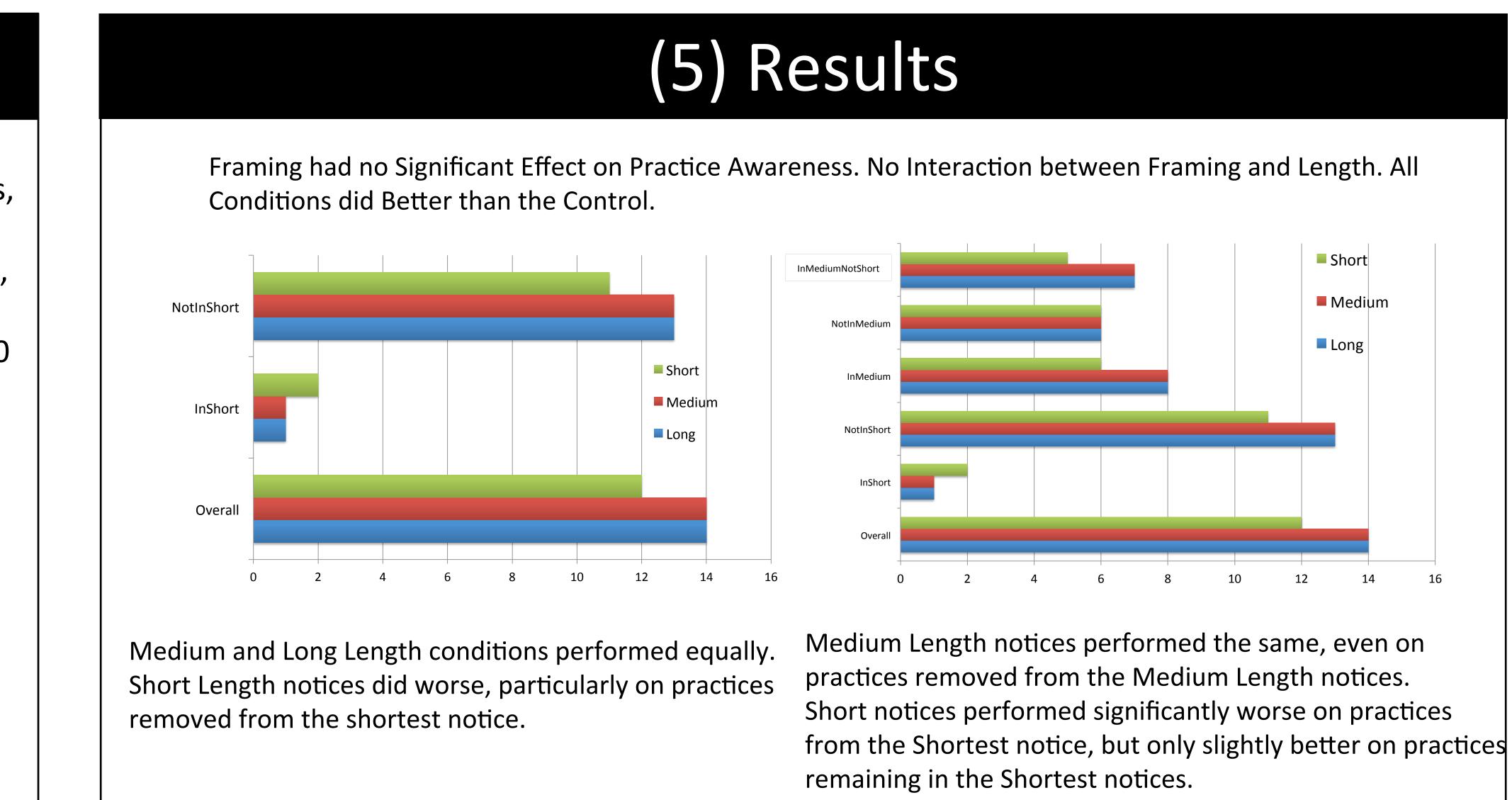
Find further sharing practices at Fitbit.com/privacy

It is sometimes possible to identify an individual from de-indentified data.

Find further sharing practices at Fitbit.com/privacy

Long(100%) Medium(85%) and Short(70%)







Short-Form notices were beneficial

- All notices outperformed control
- Fitbit/Other companies do not currently
- use any type of short-form notice
- No effect of framing on awareness
- Shortest notices led to reduced awareness
- Medium notices led to equal awareness
- Some practices CAN be removed with no negative effect.
 - > Did not lead to improved awareness, but shows some information can be removed, possibly for reduced screen space?







> Older Participants/Women are more aware Diverse samples are necessary for testing There is a lower bound to notice length Information MUST be included, at a certain point \blacktriangleright More focus should be spent on timing/ layered notices. Specific results may not be generalizable, but the procedures/ path specified are (e.g. 85%/70%) cutoff from baseline)