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

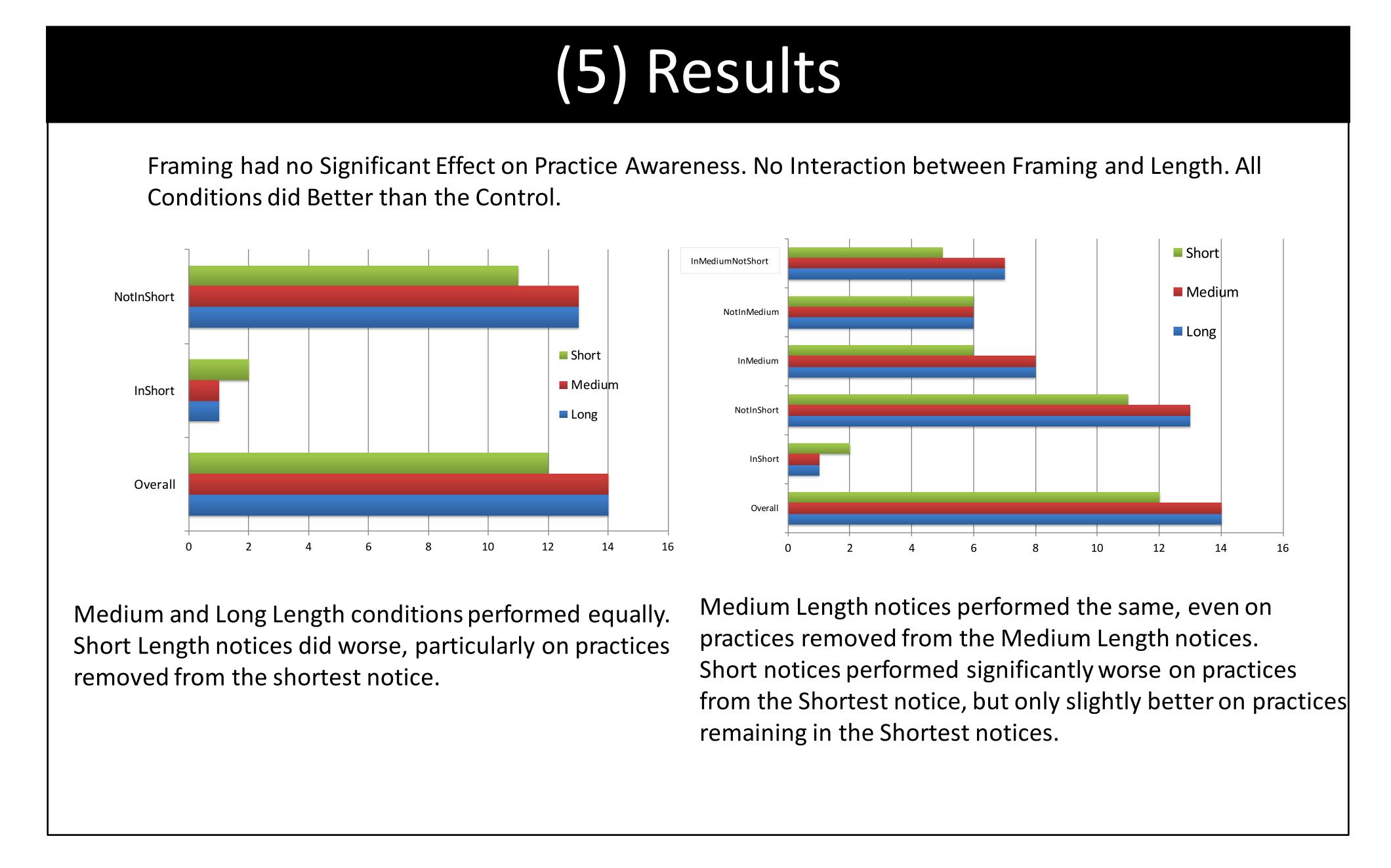
USABLE PRIVACY ORG the usable privacy policy project

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(1) Privacy Policies

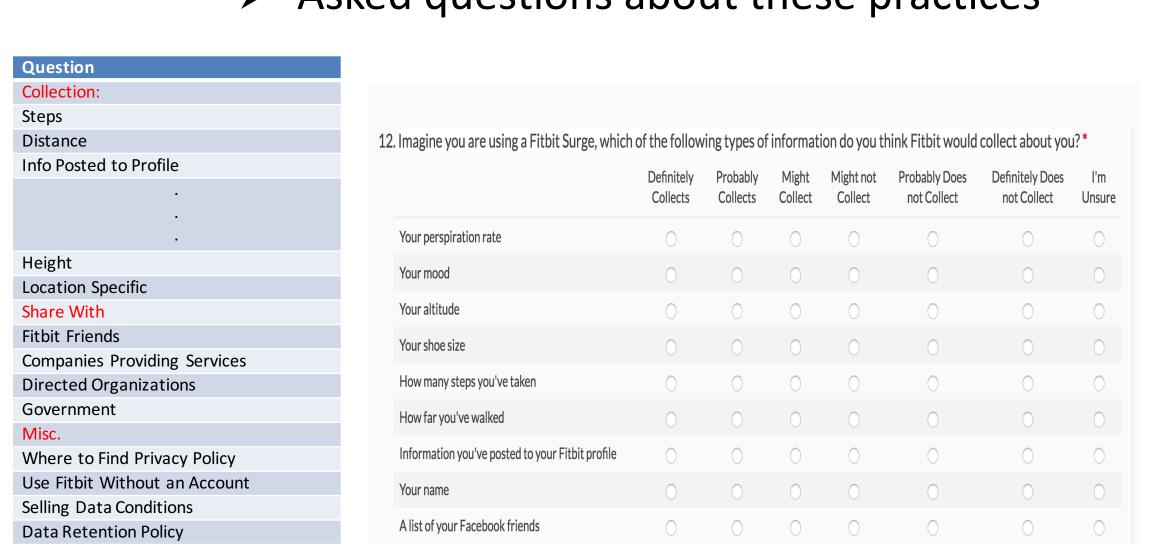
- ➤ We are inundated with Privacy Policies
- They are
 - Too Long
 - Often in Legalese
 - People don't read them
- ➤ We make shorter privacy notices, but including all of the pertinent information in the Notice can still generate a long Notice
- > Two key ideas
 - Add framing statements to increase focus 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

(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))



(2) 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





(4) Our Notices Positive and Negative Framing Fitbit may share or sell aggregated information that Fitbit may share or sell aggregated information that does not identify you. does not identify you. Selling your aggregated de-identified data allows It is sometimes possible to identify an individual Fitbit to provide Fitbit devices at lower cost, with from de-indentified data. Find further sharing practices at Fitbit.com/privacy Find further sharing practices at Fitbit.com/privacy Long(100%) Medium(85%) and Short(70%) With an account, Fitbit will collect: * When and how long you exercise * Exercise compared with Friends count with your Fitbit, without needing an account ou can track your heartrate, distance and step count with your Fitbit, without needing an accour Vith an account, Fitbit will collect: With whom do we share data? Organizations you specifically direct Fitbit to share data with * Fitbit friends you've listed (optdirect Fitbit to share data with out of sharing with friends in your With whom do we share data? * Fitbit friends you've listed (opt-

Fitbit may share or sell aggregated information that

elling your aggregated de-identified data allows

Fitbit to provide Fitbit devices at lower cost, with

your address, is removed **when**

identify you, such as fitness data,

Full Fitbit Privacy Policy:

www.fitbit.com/privacy

you delete your fitbit account.

Fitbit may share or sell aggregated information the

does not identify you.

How long do we keep your data?

is kept indefinitely

your address, is removed when

* Sensor Information that cannot

identify you, such as fitness data.

Until you delete your Fitbit account, anything

Full Fitbit Privacy Policy:

Government Entities

does not identify you.

Organizations you specifically

direct Fitbit to share data with

low long do we keep your data?

is **kept indefinitely**

your address, is removed when

you delete your fitbit account.

identify you, such as fitness data.

Full Fitbit Privacy Policy:

www.fitbit.com/privacy

Fitbit may share or sell aggregated information that

(6) Discussion and Conclusions

- 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
- 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)







