# **Online Safety for the Ages**

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## Online Safety for the Ages (OSA) creates new knowledge about generational differences in motivations to use risky online services and the use selfprotective security measures. These issues are examined in the context of online banking services that pose both significant risks to consumers and opportunities to motivate consumers to adopt security

## **Primary Objectives**

- Enhance Individual Cybersecurity lacksquare**Behaviors**
- **Electronic Banking Application** lacksquare







Millennials **Old Baby Boomers** 1977 - 1992 1946 – 1954 "Digital native" "Digital Immigrants"

**Silent and GI** (SGI) 1936 - 1945

recautions.	Digital hative Digital infinitigrants 1930 - 1943			
		Approach		
Focus Groups	Home Visits	Survey	Online Experiment	Field Experiment
<b>18 groups</b> Explore e- Banking & Cybersecurity Perceptions.	<b>34 visits</b> Observe online banking and safety precautions.	1452 members Confirm Cybersecurity beliefs and ask about service offerings.	<b>444 members</b> Test online safety education styles and help members cope with threats.	<b>977 members</b> Promote Verification Code (2 Factor Authentication) Adoption.

### **Qualitative Findings**

#### **Millennials**

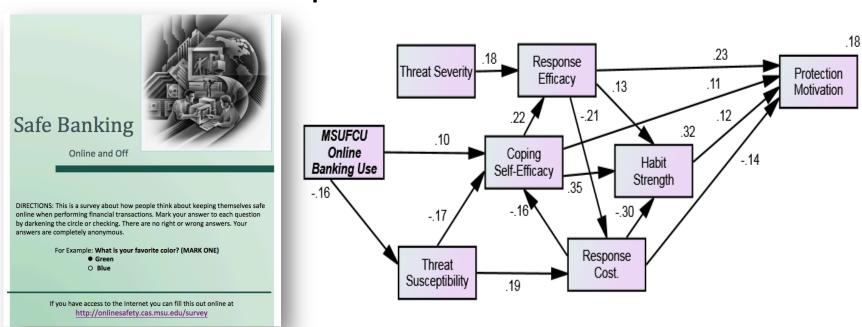
- Comfortable with e-Banking •
- Less suspicious
- Confident in their abilities to cope threats
- Take actions after problems happen
- Turn to friends and Google •
- Security news and video tutorials

#### **Boomers and SGIs**

- Wary of security attacks and financial loss
- Uncertainty about the effectiveness led them to fatalism
- Take precautions
- Turn to family and professionals
- Face to face security training and hardcopy materials

## **Survey Findings**

Coping Self-efficacy and habit strength are the key variables to drive protection motivation.

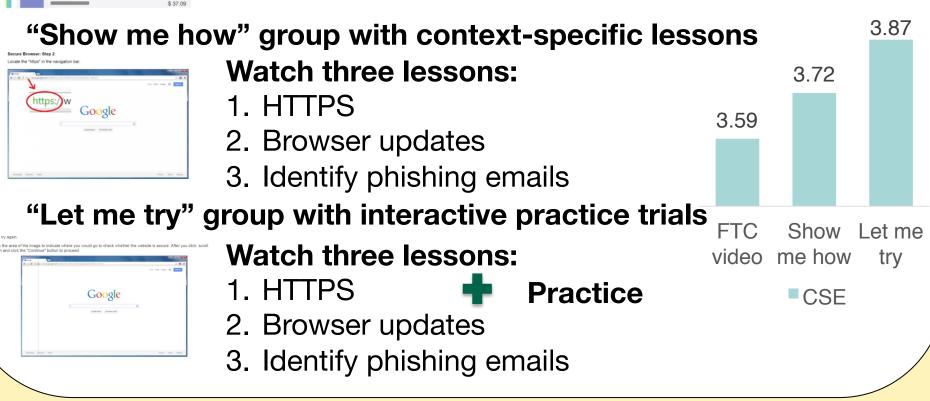


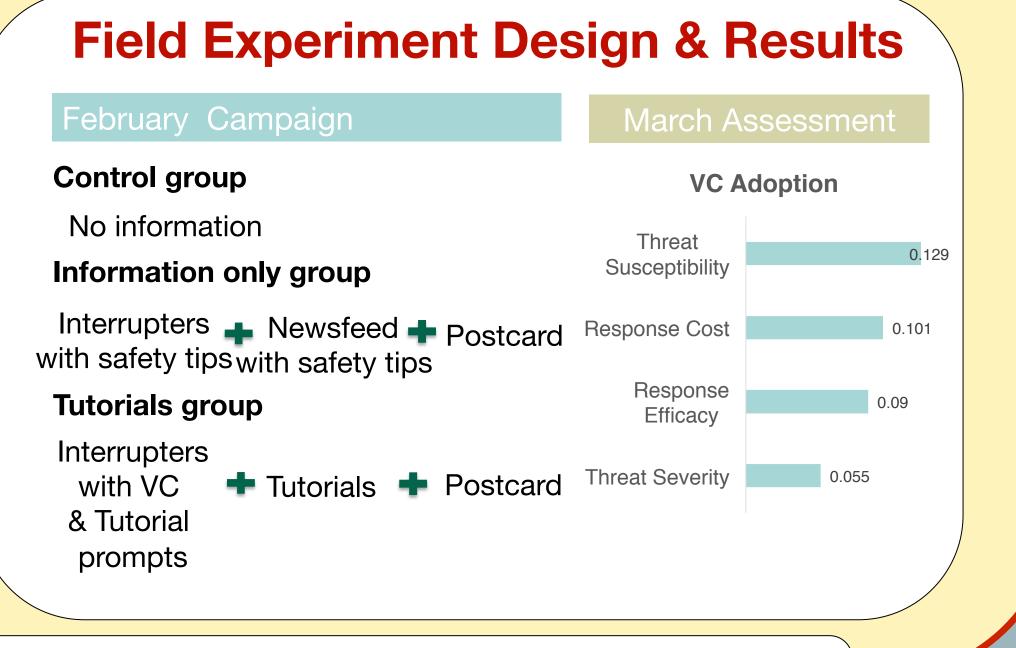
## **Online Experiment Design & Results**

**Control group: FTC cybersecurity video with generic safety tips** 



#### FTC video





Interested in meeting the PIs? Attach post-it note below!



National Science Foundation WHERE DISCOVERIES BEGIN

The 3<sup>rd</sup> NSF Secure and Trustworthy Cyberspace Principal Investigator Meeting January 9-11, 2017 Arlington, Virginia