Screening Questionnaire

1. Have you ever had any of the following technologies in your home?
   Please select all that apply.
   - Smart home devices (e.g., smart appliances, smart security systems, technologies that monitor or save energy, home environment automation, smart entertainment systems) *[If owned, Ask Q2] [If not owned, terminate]*
   - Smart home platforms or hubs (e.g., Apple HomeKit, Samsung SmartThings, Wink Hub) *[If owned, also ask Q3]*
   - Virtual assistants to issue commands to your smart home devices (e.g., Amazon Echo/Alexa, Google Assistant/Home, Apple Siri) *[If owned, also ask Q4]*

2. Please indicate the smart home devices that have been used in your home.
   Please select all that apply.

Smart home devices	Installed and currently using	Uninstalled or not currently using	How long have you used or did use the device?
Smart appliances; for example, smart refrigerator, oven, coffee pot.	●	●	
Smart security devices; for example cameras, motion detectors, door locks, sirens, alarm notification, remote control of lights for security reasons, water leak detection.	●	●	
Smart technologies that monitor or save energy; for example, smart plugs, solar panel monitors accessed via the internet, energy consumption monitors.	●	●	
Home environment automation; for example smart light bulbs and lighting controls, window treatment controls, temperature and humidity sensors, air quality sensors, heating and air conditioning controls	●	●	
Smart entertainment systems; for example, smart TVs, digital video recorders, streaming devices (such as Apple TV, Roku, Amazon Fire Stick), multi-room connected media/entertainment systems.	●	●	
Other – please list _____	●	●	

3. Please indicate the smart home platforms or hubs that have been used in your home.
    Please select all that apply.

Smart Home Platform or Hub	Installed and currently using	Uninstalled or not currently using	How long have you used or did use the device?
Apple HomeKit, Hub, or Apple TV used as a smart home platform/hub	●	●	
Samsung SmartThings	●	●	
Microsoft Azure IoT Hub	●	●	
Google Home Assistant	●	●	
Wink Hub	●	●	
Logitech Harmony Hub	●	●	
VeraPlus Smart Home Controller	●	●	
Philips Hue Hub	●	●	
Other – please list _____	●	●	

4. Please indicate the virtual assistants that have been used in your home to issue voice commands to your smart home devices.
    Please select all that apply.

Virtual Assistant	Installed and currently using	Uninstalled or not currently using	How long have you used or did use the device?
Amazon Echo/Alexa	●	●	
Google Assistant/Google Home	●	●	
Apple Siri	●	●	
Other – please list _____	●	●	

5. Please indicate your personal involvement with the smart home devices in your household.
    Please select all that apply.
    - I participated in the decision to purchase a smart home device.
    - I installed a smart home device.
    - I administer (configure or maintain) a smart home device.
    - I build my own smart home devices/platforms/hubs or create custom extensions or code for a smart home device.
    - I troubleshoot when something unexpected happens with a smart home device.
    - I actively use (issue commands to, operate, or access via an app) a smart home device.
    - I do not actively use (issue commands to, operate, or access via an app) a smart home device, but am impacted by what the device does.

- I am not involved. I do not actively use (issue commands to, operate, or access via an app) a smart home device and am not impacted by what the device does.
- Other: _____

6. Can you tell me more about the smart home devices you have in your home?

7. What is the total number of people in each of the following age ranges that live in your household?

Age Range	Number of people living in household
10 and under	
11–17	
18–29	
30–39	
40–49	
50–59	
60+	

8. What is the total number of people in each of the following age ranges that live in your household and actively use smart home devices (issue commands to, operate, or access via an app)?

Age Range	Number of people living in household who use smart home devices
10 and under	
11–17	
18–29	
30–39	
40–49	
50–59	
60+	

9. What is your age range?
- o 18–29
- o 30–39
- o 40–49
- o 50–59
- o 60+

10. What is your sex?
    o Male
    o Female

11. What is your highest level of education?
    o Some high school
    o High school diploma
    o Some College
    o Bacehlor's degree
    o Master's degree
    o Doctoral degree
    o Other: _____

12. If you have a degree beyond high school, in which discipline/field is your degree? _____

13. What is your occupation? _____

14. Please rate your knowledge of each of the following topics from very little knowledge to expert knowledge:

    a. Technology
        o Very little or no knowledge
        o Little knowledge
        o Moderate knowledge
        o High knowledge
        o Expert knowledge

    b. Smart home technology
        o Very little or no knowledge
        o Little knowledge
        o Moderate knowledge
        o High knowledge
        o Expert knowledge

    c. Computer security
        o Very little or no knowledge
        o Little knowledge
        o Moderate knowledge
        o High knowledge
        o Expert knowledge