



Dear Prospective Participant,

UC Berkeley is conducting research focused on reducing caregiver burden associated with Alzheimer's disease or a related dementia (ADRD). You and your loved one can help the dementia research community better understand how we can best use technology to aid us in caring for people with ADRD. Specifically, we are inviting you to participate in a three month pilot study aimed at using software to identify certain safety-critical events.

What will you be asked to do to be a part of this study?

You will be asked to allow small cameras and wireless sensors to be placed in your loved-one with ADRD's home from July through September to collect data to test how well our software algorithms can detect:

- when the individual with dementia has left the residence alone;
- when an individual has fallen down;
- when the sink or bath is overflowing; and
- when the stove has been left on unattended.

Can I see what is happening in the residence even when I am not there? If a safety-critical event occurs, can I see how it happened?

You will be granted secure, 24/7 access (via your smart phone and computer) to the streaming video from each room, exit, and yard area that you designate. You will be able to turn the cameras on and off whenever you want. You will be able to access 3 days of video history at any time to review the details surrounding the safety-critical event.

This research project is fully funded. There is no cost to you. You will have complete control over which images are included in the publication of the study results. If you are interested in being a part of this exciting dementia safety research, please contact: George Netscher or Lynn Noyce at 510-423-3639 or Dementia.Tech.2015@gmail.com. We will be happy to meet with you in person and/or over the phone at your convenience.

Best regards,

George Netscher
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Ph.D. Electrical Engineering & Computer
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