Despite over 7 million Americans living with visual impairment—a number exceeding those with heroin dependence—this demographic remains substantially under-researched. Visual impairments, vision loss and blindness, are not merely an absence of sight but are associated with far-reaching physical and psychological health.

Research Interests

• Developing mobile health interventions to enhance physical activity, dietary habits, and sleep behaviors among adults with visual impairments

• Enhancing health literacy among adults with visual impairments through accessible health information development

Current Projects

• PCHA project: Development of a conversational health agent for individuals with visual impairments

• EXVIA project: Development of a home-based exercise program for individuals with low vision and blindness

• Theory development: Health literacy, eHealth literacy, and health behaviors of people with visual impairments

Interest Areas for Collaboration/Future Work

Dr. Choi is interested in collaborating with nutrition scientists to design a mobile health application that supports eating behaviors and improves food literacy for individuals with visual impairments.

Keywords

Accessibility, health behavior, health literacy, intervention research, mobile health, visual impairments