

Empowering Access: Disability, Voice & AI Technology in America

Executive Summary

More than 61 million Americans—over one in four adults—live with a disability. As technology becomes central to daily life, voice and AI tools present both opportunity and responsibility. This white paper outlines key disability statistics, adoption of voice and AI technologies, and why accessible design is essential for equity, independence, and inclusion.

Disability in the United States

Approximately 28–29% of adults in the U.S. report having a disability. Disability prevalence increases with age, reaching roughly 40% among adults over 65. Disabilities include mobility, cognitive, hearing, vision, and independent-living challenges.

Voice & AI Technology Adoption

While exact usage figures are still emerging, studies show people with disabilities are early and frequent adopters of AI and voice technologies. Speech-to-text, voice assistants, screen readers, and AI-powered accessibility tools support communication, productivity, and independence. However, gaps remain in awareness, affordability, and inclusive design.

Why This Matters

Accessible AI enables workforce participation, digital equity, and independent living. Without inclusive design, AI risks reinforcing barriers. With it, AI becomes a powerful equalizer—supporting autonomy, creativity, and access for millions of people.

About Entity.Blue

Entity.Blue is committed to closing accessibility gaps through AI-driven solutions designed with and for disabled communities.