Inclusive Design: Occupational Therapy, Physical Therapy, & Architectural Design

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Mission & Vision
Tucker’s House partners with the families of children with disabilities by providing the home renovation and retrofitting services and resources necessary to make their homes safe and more accessible. Our vision is to see all families of children with disabilities have access to the necessary resources needed to make their homes both safe and accessible and fully equipped for immediate, intermediate and long-term needs.

Needs

Client
- 56.7 million people with some disability (19%) 4
- Individuals with physical limitations living in an accessible home have better health wellbeing and ADL/IADL independence 3

Caregiver
- 43.5 million unpaid in the United States 2
- 92% giving more than 21 hours of care a week are in high burden situations 5
- Caregivers of children spend 29.7 hours/week 5
- Positive personal activities decreased by 27.2% 7
- Higher level of stress and feel they cannot handle their responsibilities 7,8
- Three-fifths reported poor health status 5

Home Environment
- 90% of current homes are inaccessible 3
- 60% of new homes will be used by someone with a physical impairment 1
- 38% of homes with someone with a permanent physical limitation have a modification 2

Outcomes

- Synthesized current home assessments to develop Tucker’s House Assessment
- Developed efficient organizational tools including client location board, before and after template, and photo collection list
- Increased language accessibility of client and family application forms
- Researched available grants
- Created ADL/DME catalog
- Facilitated collaboration between Belmont School of Occupational Therapy and O’More School of Design on client specific case study
- Collaborated on client recommendations
- Reformatted client intake form and changes in transfer tracking sheet
- Reorganized inventory and correct inventory tracking and tagging

Tucker’s House Impact

- Over 150 families, 600 people served in past 10 years
- 84% decrease in number of transfers per year (When transfers were addressed) 11
- Interprofessional collaboration opportunities
- 2.9 increase in ease of showering/bathing 11
- 2.7 increase in perceived caregiver safety 11
- 2.6 increase in perceived client well being from home environment and ease of toilet transfers 11

"...Many programs do not have sufficient financial resources to meet the needs of all who request assistance. As a result, many [individuals with a disability] are unable to make modifications and are forced either to remain in homes ill-equipped to meet their needs or to move prematurely into institutional housing." 3

"...Those dependent on mobility devices may be confined indoors, or even to very limited spaces within the dwelling; consequently violating their human rights & diminishing their quality of life." 3

"Increasing the supply of accessible housing will benefit not only [current individuals with a disability], but also their families & friends, those who become disabled in the future & society as a whole." 1

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References available upon request