

ACCESS, USE, AND PERCEPTION OF SERVICES FOR HIDDEN DISABILITIES IN DOCTOR OF PHYSICAL THERAPY STUDENTS AND RECENT GRADUATES

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INTRODUCTION & PURPOSE

- Limited research has been done on the <u>perception</u>, <u>use</u>, and accessibility of services for hidden disabilities in Doctor of Physical Therapy (DPT) students and recent graduates.
- The purpose of this study was to determine the perception of hidden disabilities, knowledge of resources available, and access to disability services in Doctor of Physical Therapy (DPT) students and recent graduates in the United States.

VARIABLES

 Hidden Disability: Learning and psychiatric challenge not initially or overtly visible, such as a broken arm.¹

METHODS

- RESEARCH DESIGN: Non-experimental survey
- **SUBJECT SELECTION:** Non-random sample of convenience
- **INCLUSION CRITERIA:** ≥18 years-old; current DPT student or recent graduate in 2021, 2022, or 2023
- INSTRUMENTS:
 - Online survey via Qualtrics
 - Access, use, and perception of services for hidden disabilities
 - 5-point Likert scales (1 = Strongly Disagree to 5 = Strongly Agree)
 - NPTE Board accommodations
 - Student <u>history</u> with accommodations
 - Campus climates toward disability and students with disabilities
 - Consultation and feedback provided by Director of Disability Services
- PROCEDURES:
 - Approved by IRB prior to student contact
 - Invitations delivered during the SP24 semester
 - Two reminder emails after the respective initial invitations

RESULTS – Demographic Information

Demographic Information (n = 92):

- Gender Identity: Male 22.8%; Female 77.2%
- Age: 25.7 <u>+</u> 4.1 (24 44)
- School Status: Year 1 31.5%; Year 2 29.3%; Year 3 16.3%; Graduated 22.8%
- **GPA:** 3.75 + 0.7 (3.00 10.00)
- Geographic Location: Midwest 89.1%; South 5.4%; West 5.4%
- Disability Status: Diagnosed 44.6%; Suspected disability 13.0%; No disability 42.4%
- Diagnoses: Anxiety, Depression, ADD/ADHD, Learning Disability, Chronic Health Impairment, Traumatic Brain Injury, Neurological, Autism/Spectrum, Visual Loss/Blind, Intellectual Disability

RESULTS - Instruments

Survey Outcomes (**Table 1**).

DISABILITY MANAGEMENT (N=53):

- 60.4% of participants reported managing their disability well
- 34.0% of participants reported using school accommodation services
- Separate room, extra time, more breaks, dimmed room, extended deadlines, audio recordings, preferential seating, note-taking software

HISTORY OF ACCOMMODATION USE (N=53):

- Some participants reported receiving services in K-12 (13.2%) or undergrad (17.0%)
- Participants rated their overall satisfaction with services as 3.93/5 + 0.83 (neutral/agree)
- 56.4% of participants with no history of service use reported that services in either K-12 or undergrad would have been beneficial

NPTE ACCOMMODATIONS (N=92):

- 75% of participants did not have knowledge that services for the NPTE exist
- 39.1% of participants agreed that they would benefit from services on the NPTE

ATTITUDES TOWARD DISABILITY (N=53):

 Some participants with a diagnosed or suspected disability reported feeling afraid that their professors (26.1%) and classmates (22.9%) would think differently of them if they shared their need for accommodations

CAMPUS CLIMATES (N=92):

- 46.8% of participants reported that accommodation services are conveniently accessible on their campus
- 63.1% of participants said their overall campus climate was favorable toward students with disabilities
- ≥88.0% of participants agreed that students with hidden disabilities can meet the demands of their academic program and a PT job

RESULTS – Analysis of Difference

Independent t-test:

• No significant differences between genders (P = .980) in willingness to seek out and use accommodative services

ANOVA:

- No significant difference between current students or recent graduates (P = .807) in willingness to seek out and use accommodative services
- Participants with a suspected disability were less willing to seek out disability services (P = .046) than those with a confirmed disability (P = .015) or no disability (P = .028)

RESULTS – Table 1

Category	Frequency (%)
Disability Management (N=53) Managing Well or Very Well Using School Accommodation Services	33 (60.4) 18 (34.0)
History of Accommodation Use (N=53) Accommodations in K-12 Accommodations in Undergrad Agree/Strongly Agree that services would have been beneficial	7 (13.2) 9 (17.0) 22 (56.4)
NPTE Accommodations (N=92) Disagree/Strongly Disagree with having knowledge that services existed Agree/Strongly Agree that they would benefit from services	69 (75.0) 36 (39.1)
Attitudes Toward Disability (N=53) Agree/Strongly Agree that professors will think differently if told about the need for accommodations Agree/Strongly Agree that classmates will think differently if told about the need for accommodations	24 (26.1) 21 (22.9)
Campus Climates (N=92) Agree/Strongly Agree that accommodation services are conveniently accessible on campus Report that the overall climate toward students with disabilities is Somewhat Favorable/Favorable Agree/Strongly Agree that students with hidden disabilities are capable of meeting the demands of PT school	43 (46.8) 58 (63.1) 82 (89.2)
Agree/Strongly Agree that students with hidden disabilities are capable of meeting the demands of PT job	81 (88.1

DISCUSSION

HIDDEN DISABILITY PREVALENCE:

- No significant difference in hidden disability prevalence based on year in school or gender.
- The findings in our study are not consistent with current literature.²

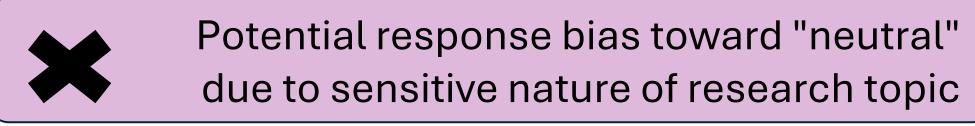
USE OF ACCOMMODATION SERVICES:

- Discrepancy between prevalence of hidden disabilities and usage rate of accommodation services.
- The findings in our study are consistent with the current literature.^{3,4,5}

NEGATIVE PERCEPTION OF DISABILITY:

- Current literature suggests hidden disabilities have a negative impact on students' mental, physical, and social health.^{6,7}
- Most participants felt their diagnosed or suspected disability negatively impacted their academic experience.
- Many students are afraid of what classmates and professors will think of their disability and need for services.

LIMITATIONS





gender distribution

Lack of equal geographic and



Survey distribution during busy time of the semester

Limited accessibility of survey format

CONCLUSION & RELEVANCE

- DPT students and recent graduates are affected by hidden disabilities which may negatively impact their overall health and academic experience. 6,7
- Students and faculty should understand the toll of hidden disabilities on students and seek a permanent shift in attitudes toward disability so that all students can feel supported, seen, and heard in PT school.
- Low usage rate of accommodation services warrants further development of support services for DPT students during their education and for the NPTE.

FUTURE RESEARCH

- Compare the access, use, and perception of services for students with hidden disabilities in other professional health programs.
- Identify realistic and effective means for DPT programs to minimize the discrepancy between hidden disability prevalence and accommodation services usage.
- Address opportunities for students with disabilities to acquire new disability management skills.

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