Better Together: Neurodiverse Community Members Partner with TWU Students to Conduct Autism Accessibility Audits

Ashlee Norris, Edgar Pizarro, Jason Tran, Megan Tripp, Robert Ragland with Tina Fletcher, EdD, Mentor

Why This Matters

Community participation is an important aspect of life for everyone, including people identified as having autism spectrum disorder.

Successfully being able to engage in and enjoy community-based activities is impacted by a variety of barriers including sensory, social, and communication factors in the environment.

Who We Are

Four TWU occupational therapy students partnered with five neurodiverse crew members from nonPareil (nP) Institute to complete autism-accessibility audits at community venues.

Comments From nP Members

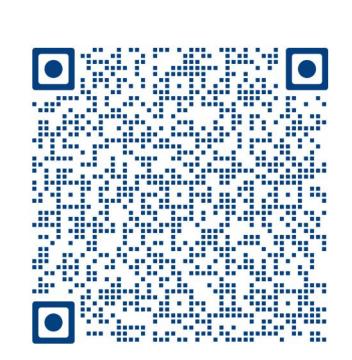
"It has really good acoustics, but it also makes things reverberate."

"I do wish there were some pictures to go along with the menu."

"I would appreciate a label out here before the hallway to the restrooms rather than having to go into the hallway where it is."

What We Do

Auditors use a Google form with neutral statements about sensory, communication, and social factors with drop down menu options to agree/disagree.



Scan for an example of a Google form used in an audit.

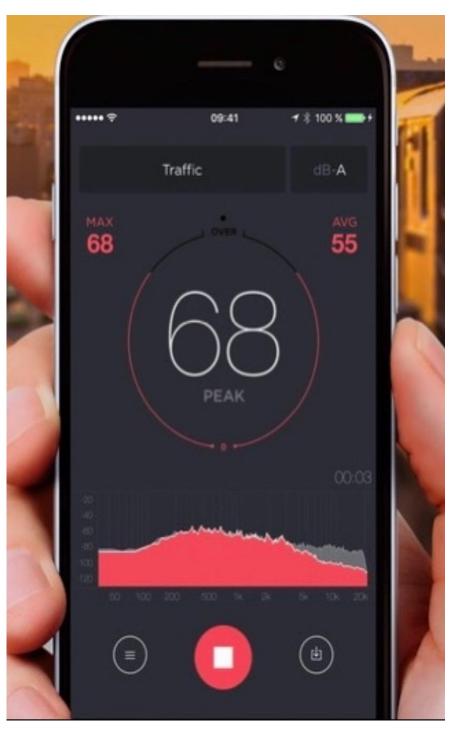
It takes 30 minutes to independently evaluate the environment, then up to 30-60 minutes for group reporting.

What We Use

Light Meter

Decibel Reader

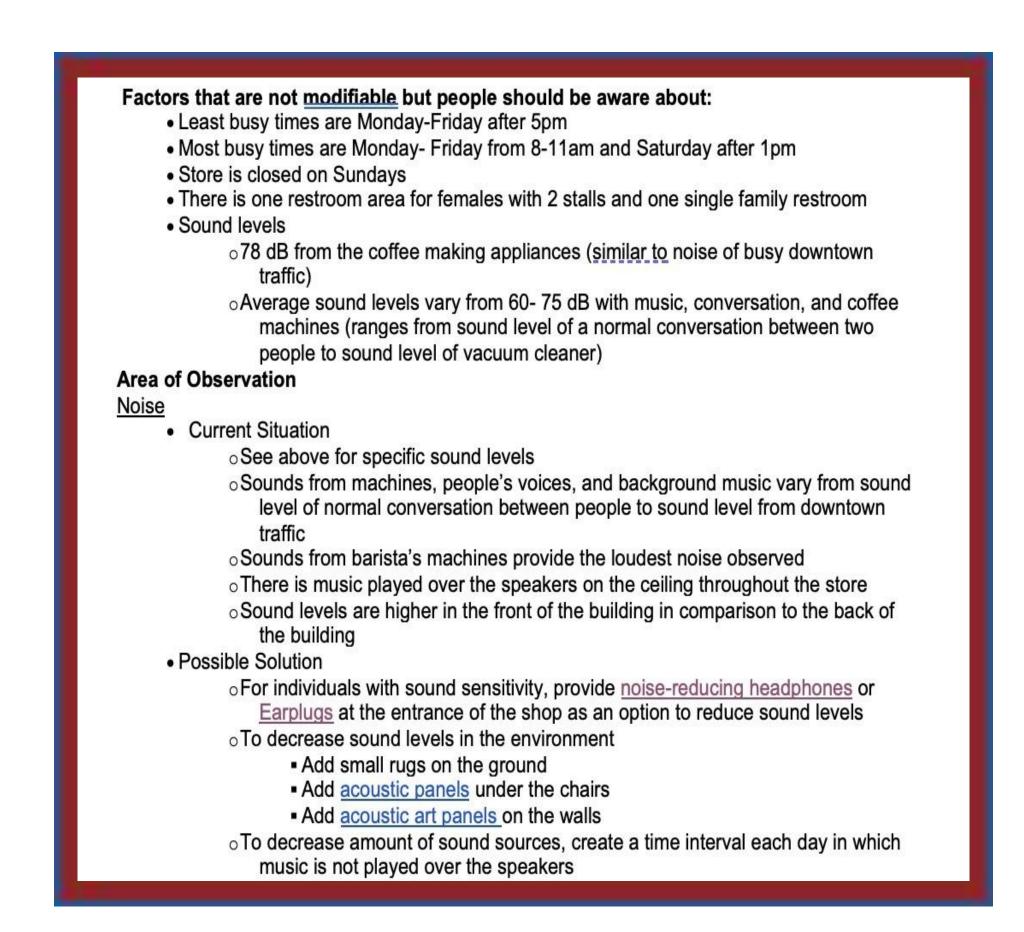




Researchers retrieve data from:

- Responses from audits
- Information from websites
- Social media platforms
- Observations
- Transcriptions of work sessions for auditor comments

A Portion of an Audit Report



Our Reports

The team developed a report template to ensure efficient time spent on each audit. The team selects suggested modifications from a choice pool to complete the audit. The team includes hyperlinks to direct readers to pictures, strategies, and resources.

For community members:

Strengths of the environment and suggested modifications plus resources and guidelines.

For individuals with autism:

A quick reference guide including good-to- know facts, statements from nP members, and ways to prepare for visits.

Next Steps

Environmental audits can be beneficial to everyone, not just those with autism.

Auditing could become a business run by individuals with autism.

More education and awareness on the needs of people with autism can promote inclusion and improve the community participation experience.

Further collaboration between TWU students and nonPareil crew members.





References and Resources

Chien, C. W., Rodger, S., Copley, J., Branjerdporn, G., & Taggart, C. (2016). Sensory processing and its relationship with children's daily life participation. *Physical & Occupational Therapy in Pediatrics*, 36(1), 73-87. https://doi.org/10.3109/01942368.2015.1040573

Fletcher, T., Anderson-Seidens, J., Wagner, H., Linyard, M., & Nicolette, E. (2019). Caregivers' perceptions of barriers and supports for children with sensory processing disorders. *Australian Occupational Therapy Journal*, 66(5), 617-626. https://doi.org/10.1111/1440-1630.12601