MISSION STATEMENT
To modify a commercial gait walker with readily accessible materials in order to facilitate motor learning of proper gait patterns and posture in children experiencing developmental challenges.

BACKGROUND
• The market for commercial gait training walkers is not inclusive for lower income individuals without financial access to more advanced walkers for therapeutic purposes.
• Our design aims to bridge the gap between clinical gait trainers and commercial walkers.
• Modifying an existing design provides us the opportunity to add improvements and potentially create a competitive product with a cost-effective solution.

THE DESIGN
• Our design modifies an existing walker called the Baby Trend Trend 3.0 Activity Walker. Cost: $34.99.
• The design utilizes ½” PVC frame and molded fittings. Advantages include: low cost, easily modifiable, easily adjustable, and readily accessible materials. Cost: $12.63
• Melysd Toddler Walking Assistant Fashion Harness found as the most cost-effective solution for a prefabricated harness. Cost: $13.99
• Total Cost: $61.61

NEXT STEPS
• All intended modifications to the walker were not completed due to in-person COVID-19 constraints impacting fabrication opportunities.
• Future modifications involve upgrading walker wheels (illustrated by CAD mock-up below).
• Further testing is required to assess PVC weight capacity, design usability, and product safety through a series of user testing and feedback. A previous design can be used for comparison testing.

ACKNOWLEDGEMENTS
• Special thanks to Tom and Carolee Mathers for financial donations needed for materials.
• 2019-2020 HuskyADAPT design group (Michael Troksa, Benneth Salanga, Melissa Guadarrama, Melissa Tran, and Cameron Fahsholtz) for previous research materials and alternate design prototype.
• Kelsey Daniels, PT, DPT for answers provided to the 2019-2020 design group regarding project questions and general understanding of needs.