

Assistive Technology Solutions Pediatric Equipment

The following is a brief overview of just a few aspects of the adaptive equipment we offer for children with special needs. This brief profile is in no way all inclusive. If you have a patient with special needs, please call our office and an assistive technology professional will work with your staff to develop solutions.

Mobility

Manual wheelchairs allow the patient to propel the wheelchair themselves. Pediatric chairs are at times able to grow with the child to extend the use of the wheelchair frame.

Tilt-in-space wheelchairs allow caregivers to tilt the individual to increase trunk and head control. They are typically used in more severely involved clients that require more support.

Stroller based wheelchairs are large strollers that are easier for families to transport, but have rather limited seating options. They are commonly used for individuals that are able to walk only short distances and do not require custom seating systems.

Seating Systems

Linear seating systems have modular components that can be adjusted for a pediatric client as they grow. They support for many different tone issues including hypo and hyper tonicity as well as weakness/lack of head and trunk control.

Custom molded seating systems are molded to each individual and support many structural deformities such as spinal scoliosis and hip obliquity. They disperse pressure more evenly over a surface reducing pressure areas.

Car Seats

Adaptive car seats for larger children can provide support for irregular muscle tone as well as meet the states requirements for car seat usage. They have a five point restraint system that secures them safely within the car seat and well as a tether system to secure the seat to the vehicle.

Bathing

Tub/Shower chairs support the individual while being bathed. They come in many different configurations including reclining chairs for total support and upright systems that can double as toileting systems.

Standers

Multi-positional standers can be used for weight bearing activities. The individual can be placed in a prone, supine or upright position depending on the toleration of weight bearing. These standers are primarily used under the direction of a Physical Therapist to increase the success of the client's set physical therapy goals. They have many benefits including development of hip joint, increasing bone density, increasing circulation and aiding in digestion.

Gait trainers

Gait trainers give an individual support and control as they walk. Individuals that are unable to walk on their own or utilize a traditional walker learn to initiate forward motion building control with every step.

Walkers

Forward walkers allow an individual to support them selves for balance while walking.

Reverse walkers give additional support by improving postural alignment while the client is in the walker. These walkers place the support behind the user, requiring the person to utilize a more upright posture while placing their center of mass with the base of support