



Complex Rehab Technology Definition

The Products

Complex Rehab Technology (CRT) products include medically necessary, individually configured devices that require evaluation, configuration, fitting, adjustment or programming. These products and services are designed to meet the specific and unique medical, physical, and functional needs of an individual with a primary diagnosis resulting from a congenital disorder, progressive or degenerative neuromuscular disease, or from certain types of injury or trauma. For this document, CRT refers to individually configured manual wheelchair systems, power wheelchair systems, seating and positioning systems, and other adaptive equipment such as standing devices and gait trainers.

The Person

These products and services are designed to meet the specific and unique medical and functional needs of an individual with a primary diagnosis resulting from a congenital disorder, progressive or degenerative neuromuscular disease, or from certain types of injury or trauma. The primary diagnoses that can require CRT include:

- Spinal Cord Injury; or
- Traumatic Brain Injury; or
- Cerebral Palsy; or
- Muscular Dystrophy; or
- Spina Bifida; or
- Osteogenesis Imperfecta; or
- Arthrogryposis; or
- Amyotrophic Lateral Sclerosis; or
- Multiple Sclerosis; or
- Demyelinating diseases; or
- Myelopathy; or
- Myopathy; or
- Progressive Muscular Atrophy; or
- Anterior horn cell diseases; or
- Post-Polio Syndrome; or
- Cerebellar degeneration; or
- Dystonia; or
- Huntington's disease; or
- Spinocerebellar disease; or
- Certain types of amputation; or
- Paralysis or paresis; or
- Other disability or disease that is determined through individual consideration to require the use of such individually configured products and services

The Process

In establishing a person's need for CRT products and services, consideration is always given to the person's immediate and anticipated medical and functional needs. These needs include, but are not limited to, activities of daily living (ADLs), instrumental activities of daily living (IADLs), functional mobility, positioning, pressure redistribution, and communication. CRT is used to address these needs

and enable the individual to accomplish these tasks safely, timely, and as independently as possible in all environments the individual is expected to encounter.

CRT is designed to address people's medical needs and maximize their function and independence. To accomplish this, the proper provision process consists of two interrelated components:

- The **clinical component of providing CRT** includes the physical and functional evaluation, treatment plan, goal setting, preliminary device feature determination, trials/simulations, fittings, function related training, determination of outcomes and related follow-up. The clinical team is responsible for the prescription and supporting medical necessity documentation.
- The **technology-related component of providing CRT** includes, as appropriate: evaluation of the home environment; transportation assessment; technology assessment; equipment demonstration/trial/simulation; product feature matching to identified medical, physical, and functional needs; system assembly and configuration; fitting; adjustments; programming; and product related training and follow-up. Ongoing service and repair must also be considered.

The Professionals

The provision of CRT is done through an interdisciplinary team consisting of, at a minimum, a Physician, a Physical Therapist or Occupational Therapist, and a Rehab Technology Professional (referred to as the CRT Team). The team collectively provides clinical services and technology-related services. An individual's medical and functional needs are identified by the clinical team in conjunction with the individual. These needs are then matched to products and configured into custom designed systems by the credentialed Rehab Technology Professional (RTP) with input from the individual and clinical team.

- The clinical CRT services are provided by a licensed/ certified Physical Therapist or Occupational Therapist.
- The technology-related CRT services are provided by a certified, registered or otherwise credentialed Rehab Technology Professional.

The Credentials

CRT products must be provided by individuals who are certified, registered or otherwise credentialed by recognized organizations in the field of CRT and who are employed by a business specifically accredited by a CMS deemed accreditation organization to provide CRT.

Note: Other assistive technology devices that require evaluation, configuration, fitting, adjustment or programming and their related provision processes may be added to this definition at a future date.

**For more information on Complex Rehab Technology
email info@ncart.us or visit www.ncart.us.**