Assistive Technology	

The Company	
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Overview	
Definitions of assistive technology (AT) and assistive medical technology	
Types and examples of rehabilitative and medical AT	
Types of conditions with need for AT	
Assessment, acquisition, and training; universal design	***************************************
Funding; durable medical equipment (DME) and limitations on purchase	
purchase	
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Definitions and Overview	
Dominionio dila ovorviow	
1. Assistive devices:	
Assistive 2. Adaptive/alternative technology:	
3. Augmentative devices:	
Medical assistive Three types: 1.	
technology 2.	

Technology for Medical Assistance Replace or augment a vital body function Examples: 1 2 3 4 5 6 Examples: supplemental oxygen, continuous positive airway pressure, chest physiotherapy, nasal cannulae, positive end expiratory pressure	
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Technology for Medical Assistance (continued)	
Monitoring/surveillance devices	
Nutritional (gastrointestinal) fluid assistance	
2 3 4	
IV fluid assistive devices	
Assistive Technology for Disabilities: Principles and Examples	
Universal design Design for	
Technology for physical disabilities 1. 2	
Technology for sensory impairments	
1 2 3	

Assistive Technology for Disabilities: Principles and Examples (continued) Technology for communication impairments (AAC)... Technology for cognitive, attentional, and learning disabilities Computer-based instruction ı 2 3 Assessment for Assistive Technology Interdisciplinary team:... Begin with low tech... Functional evaluation of the individual ICF (WHO, 2007), Wee-FIM (Wong et al., 2005) Ensure good match/usefulness: MPT (Scherer, 1998a), QUEST 2.0 (Demers, Weiss, & Ska, 2002), PIADS (Day, Jutai, & Campbell, 2002; Jutai et al., 2006) Training in the use of the device · Pre-use training: demos, simulators Monitoring Effects of Assistive Technology on Family and Community · Increases... · Improves... · Social isolation risk • Prolonged use of some significant AT devices can lead to... • Home care option depends on... · Arrange therapy before... • Develop individualized family service plan or ...

Effects of Assistive Technology on Family & Community (cont'd)

Funding issues

Primary funding: insurance;

School:



Advocacy information

- · Tech Act sites.
- AbleData,
- Council for Exceptional Children



Summary

- · Role of assistive technologies
- Facilitate, improve day-to-day living
- · Replace/augment vital bodily function
- · Provide access at early age
- · Challenges
 - Financial/emotional stress
 - · Training and arrangements best done predischarge
- Future
 - · Increased access; universal design influences
 - · Improved technology