

Modification Mayhem

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SCOTTISH RITE



Objectives

- Learners will be able to:
 - Describe common functional limitations associated with pediatric spina bifida and how they impact mobility, ADLs, and participation in the home environment
 - Analyze the relationship between a child's level of lesion, mobility status, and the type of home adaptations most appropriate for safety and function
 - Differentiate temporary, low-cost modifications from long-term structural adaptations and explain when each is appropriate for the pediatric spina bifida population
 - Collaborate effectively with families, contractors, DME providers, and interdisciplinary team members to implement home modification that support participation and long-term growth
 - Apply principles of universal design to create adaptable home environments that support both the child with spina bifida and the family as a whole
 - Recommend individualized home modifications that align with family goals, developmental needs, safety considerations, and available funding/resources.



The Meaning of Home



The Meaning of Home



American Disabilities Act

3 Major Federal Statutes that mandate civil rights for people with disability

Rehabilitation Act of 1973 Section 504

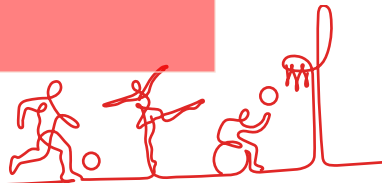
Americans with Disabilities Act of 1990

ADA Amendments Act of 2008



ADA: OVERVIEW OF TITLES

TITLE	EMPLOYMENT
TITLE	GOVERNMENT SERVICES
TITLE	PUBLIC TRANSIT
TITLE	PUBLIC ACCOMMODATIONS
TITLE	TELECOMMUNICATOINS

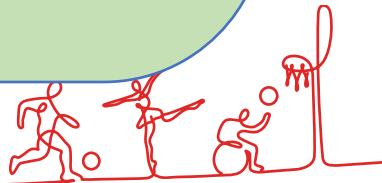


Title I: Employment

- **Applies To:**
 - Employers (15+ employees)
 - Government employers
 - Agencies & unions
- **Requires:**
 - Hiring & promotions
 - Training & pay
 - Benefits & activities
- **General Requirements:**
 - Provide equal opportunities to benefit from the employment-related opportunities available to others
 - Including: recruitment, hiring, promotions, training, pay, and social activities

Title II: Government Services

- **Applies To:**
 - State & local governments
- **Includes:**
 - Education, transportation
 - Health & social services
 - Courts, voting
- **Requires:**
 - Equal access to programs
- **General Requirements**
 - State and local governments must provide people with disabilities an equal opportunity to benefit from all programs, services, and activities.



Title III: Public Transit

- **Applies To:**
 - Public & private transit
- **Includes:**
 - Taxis
 - Buses
 - Hotel/airport shuttles
- **Requires:**
 - Equal transportation access
- **General Requirements**
 - Public transit systems must provide people with disabilities an equal opportunity to benefit from their services.

Title V: Telecommunications

- **Applies To:**
 - Telecom companies
- **Requires:**
 - Access for hearing & speech disabilities
- **General Requirements**
 - Telephone companies must provide services to allow callers with hearing and speech disabilities to communicate.



Title IV:

Public Accommodations

- **Applies To:**
 - Businesses & nonprofits
- **Examples:**
 - Restaurants, hotels, stores
 - Schools, hospitals
 - Gyms, daycare
 - Offices, warehouses
- **Requires:**
 - Equal access to services
- **General Requirements**
 - provide people with disabilities an equal opportunity to access the goods or services that they offer.



FAIR HOUSING ACT

PURPOSE

- Prohibits discrimination of persons because of race or color, religion, sex, national origin, familial status, or disability by direct providers of housing.
- Includes:
 - Landlords
 - real estate companies
 - municipalities, banks or other lending institutions and homeowners' insurance companies

Person with a Disability

Has a physical or mental impairment that substantially limits one or more major life activities

Has a history or record of such an impairment (such as cancer that is in remission)

Perceived by others as having such an impairment (such as a person who has scars from a severe burn)



Models of Disability

Medical Model

- Disability as a consequence of a health condition, disease or caused by a trauma
- Disrupt the functioning of a person in a physiological or cognitive way

Functional Model

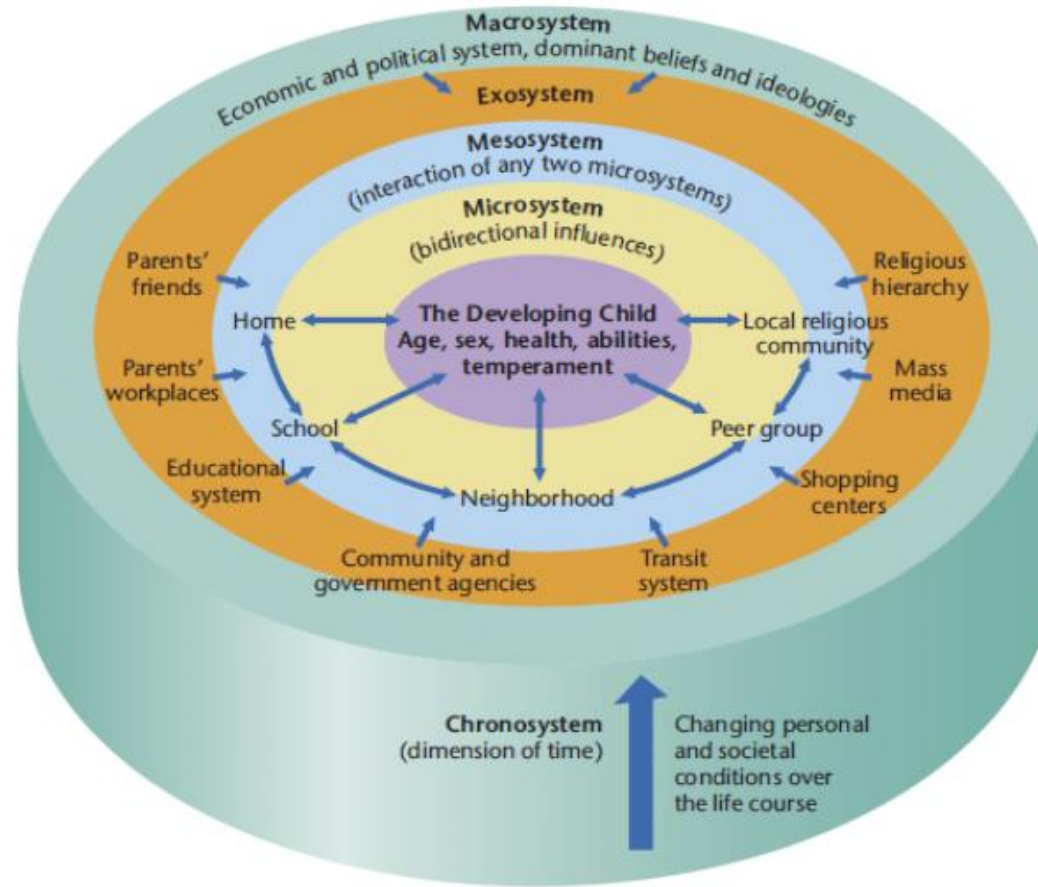
- Disability is caused by physical, medical or cognitive deficits
- Limits functioning or the ability to perform functional activities

Social Model

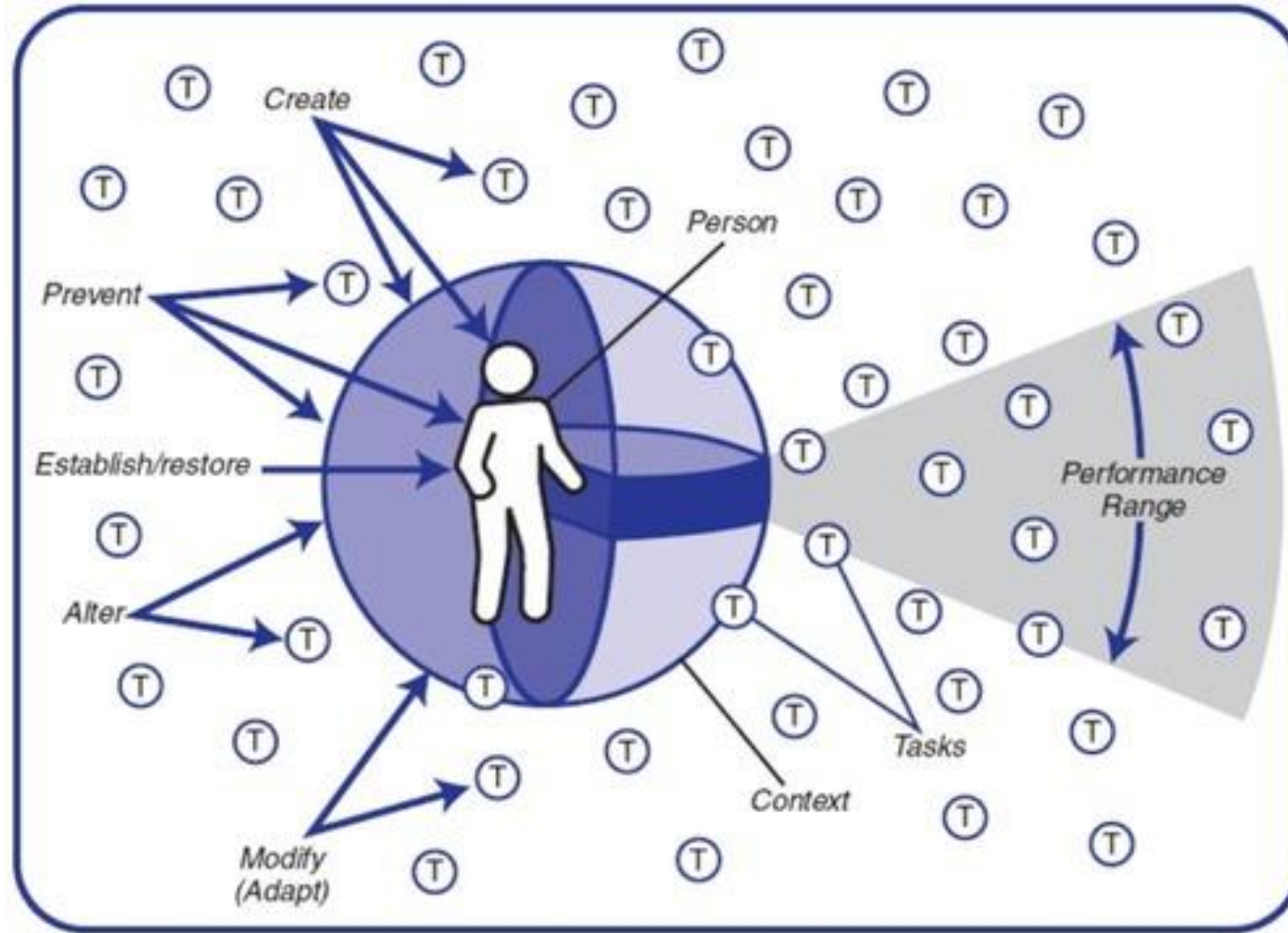
- A person's activities are limited not by the impairment or condition but by environment
- Barriers are consequences of a lack of social organization



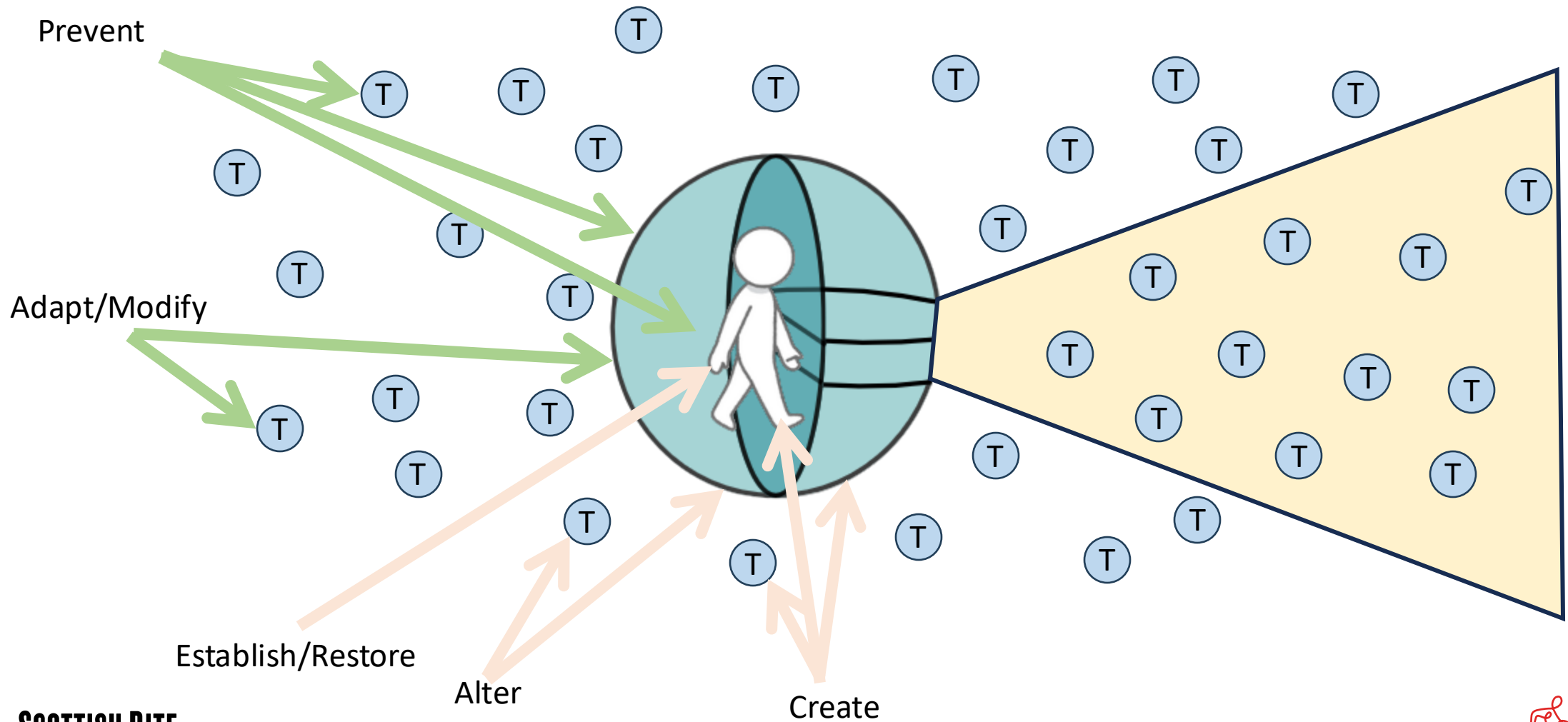
Ecology of Human Development



Ecology of Human Performance (EHP)

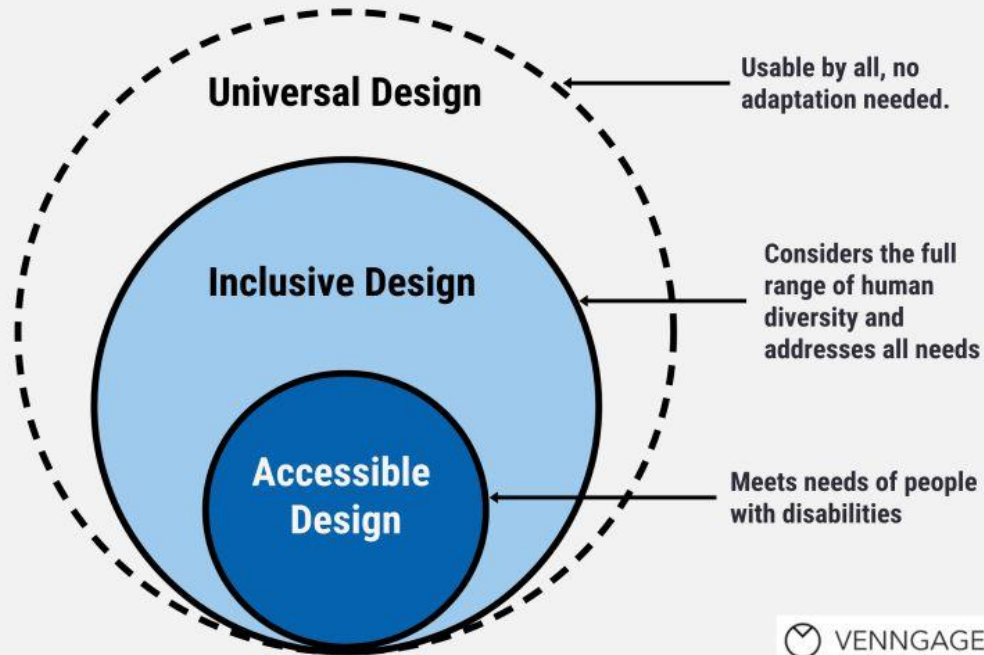


Ecology of Human Performance (EHP)

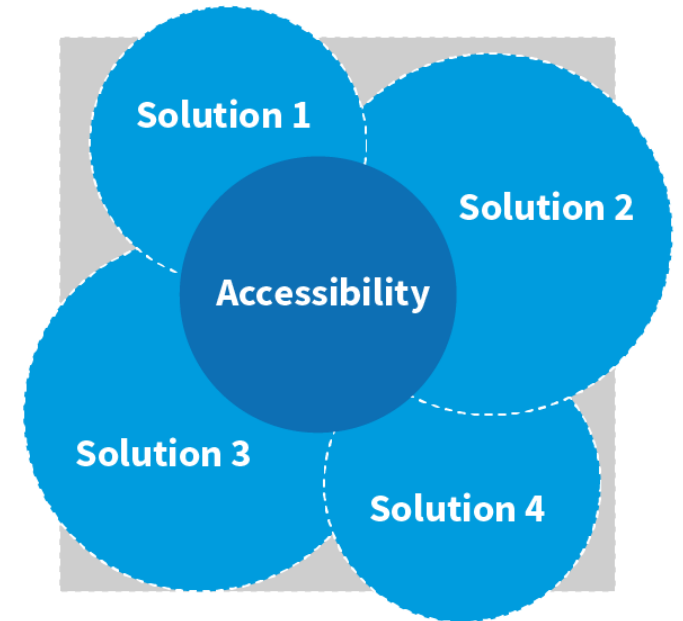


Design Methodologies + Health Equity

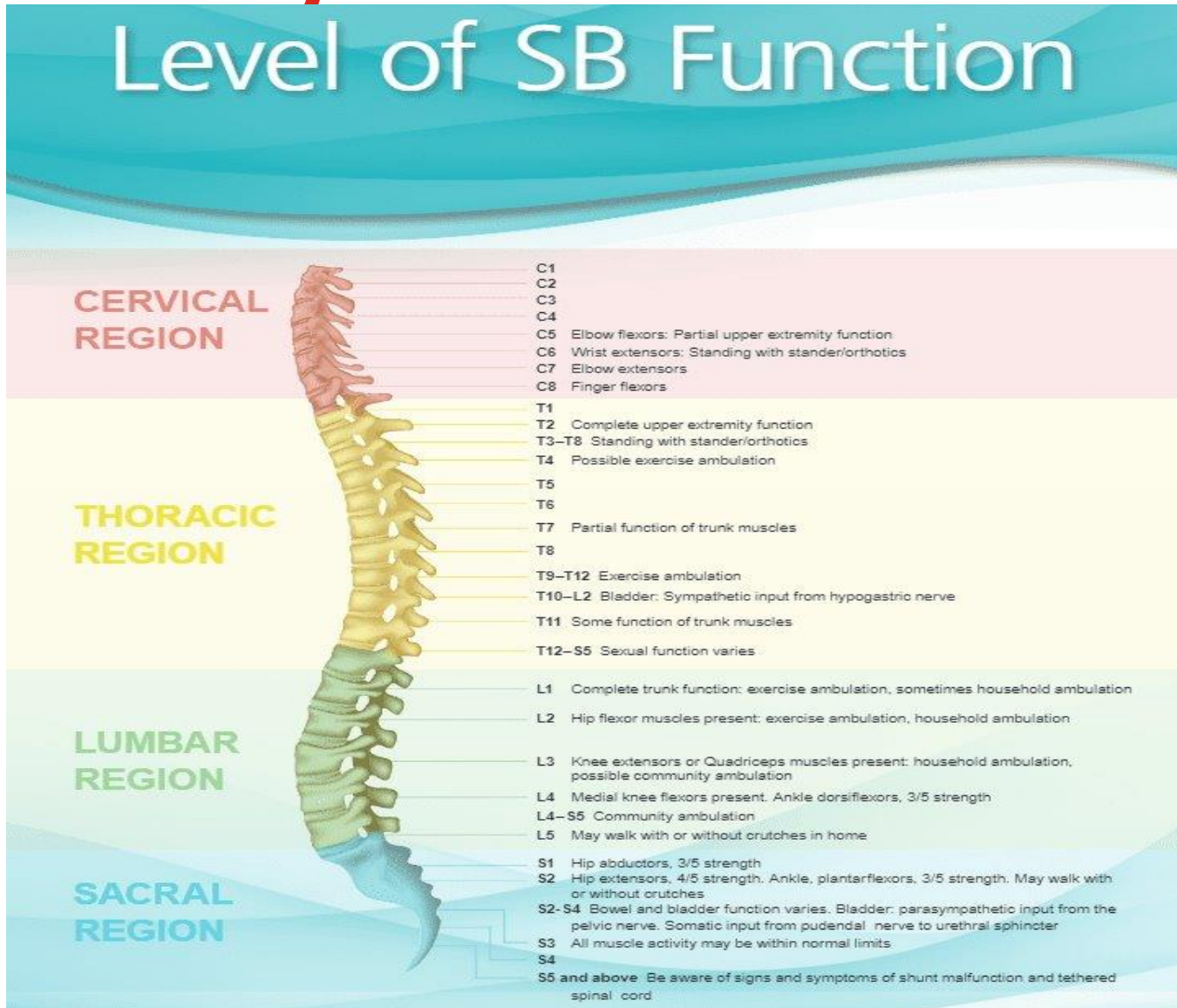
Universal design vs Inclusive design vs Accessible design



Interaction Design Foundation
interaction-design.org



Mobility and Home Access



SCOTTISH RITE

FOR CHILDREN



Home Modifications: Welcome to my Home



ADA Requirements for Homes: Key Standards

1. Accessible Entrances

- At least one no-step entry.
- Doorways with a minimum width of 32 inches.

2. Accessible Routes

- Hallways and pathways at least 36 inches wide.
- Smooth, non-slip flooring.

3. Bathroom Accessibility

- Sinks mounted no higher than 34 inches.
- Toilets with a seat height of 17-19 inches.
- Grab bars installed around toilets and in showers.

4. Kitchen Accessibility

- Countertops no higher than 34 inches.
- Clear space under sinks and countertops for wheelchair users.

5. Light Switches and Controls

- Positioned between 15 and 48 inches above the floor.
- Easy-to-use, accessible controls.

6. Stairways and Elevators

- Handrails on both sides of stairways.
- Elevators or stairlifts for multi-story homes.



ADA Requirements for Ramps

Handrails: rise > 6 inches (15.24 cm) or horizontal projection > 72 inches (182.88 cm)

Edge Protection

Surface: firm, stable, and slip-resistant

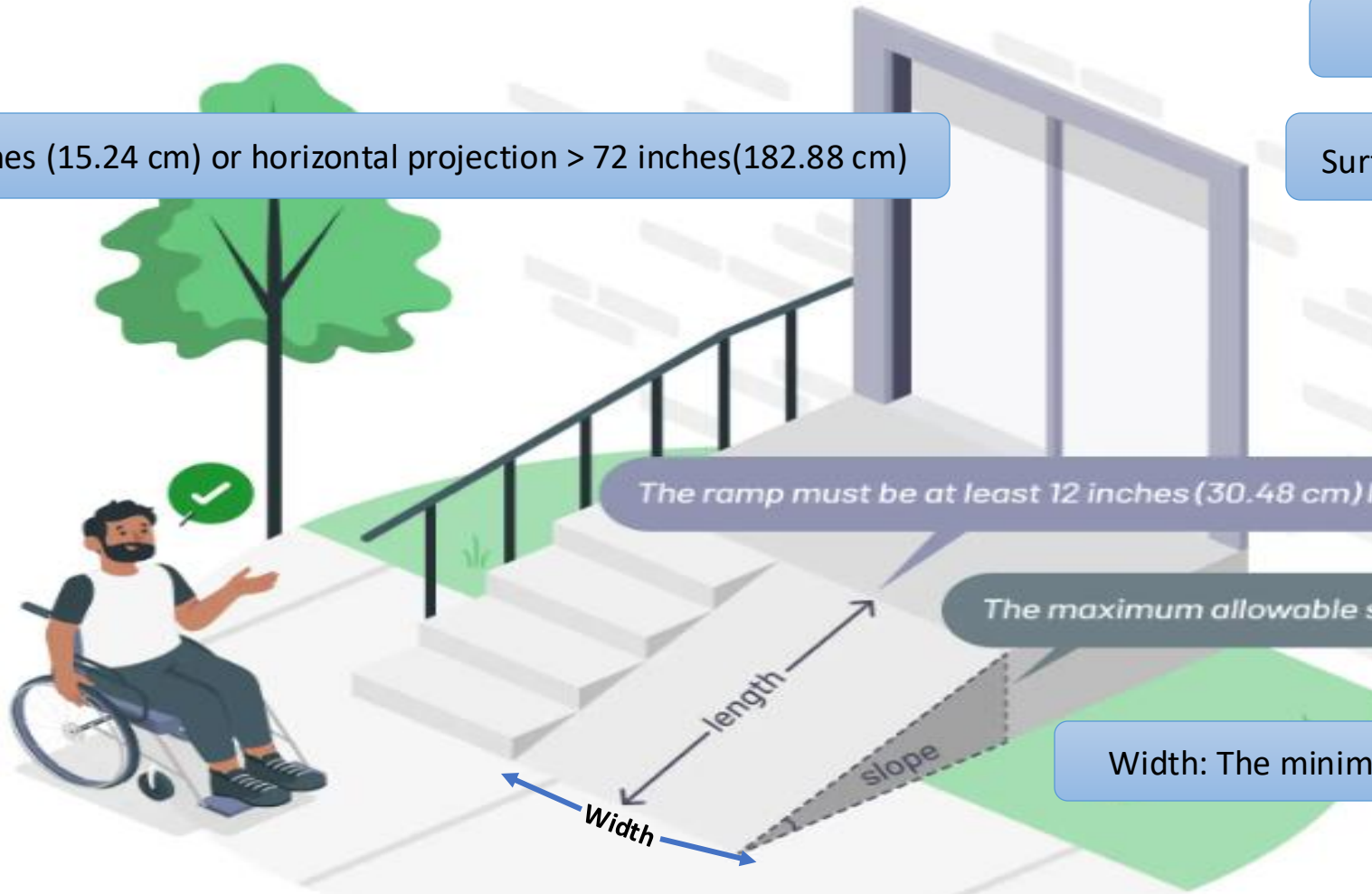
The ramp must be at least 12 inches (30.48 cm) long

The maximum allowable slope for ramps is 1:12

Width: The minimum 36 inches (91.44 cm).

Landings: Level landing at top and bottom

Cross Slope and Running Slope: Does not exceed 1:48.



Let's Go Inside!



Living Room



Kitchen



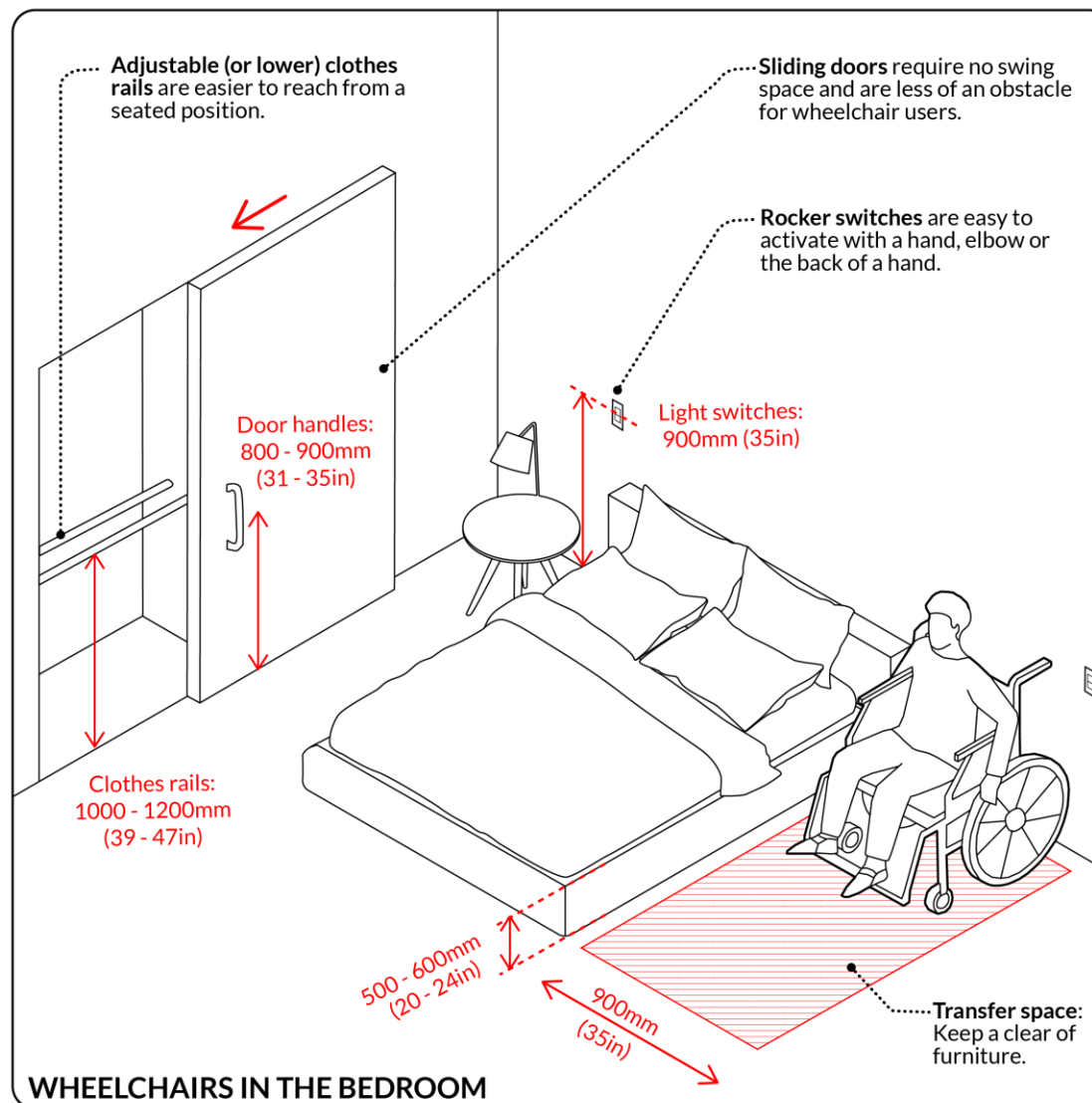
Kitchen



Bedroom



Bedroom



Bathroom



Bathroom



Bathroom

Tub/Shower



Walk-in



Roll-in



Bathroom

Toilet



Meet The Team!



Funding Options



Government Programs:

Texas Department of Housing and Community
Affairs

Community Living Assistance and Support Services
(CLASS) program



Chairty and Non-Profit Organizations

Amy Young Barrier Removal Program AYBR

TEXAS Ramp Project

Rebuilding Together

USDA Single Family Housing Repair Loans and
Grants

Habitat for Humanity

From A House To A Home



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Thank You



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