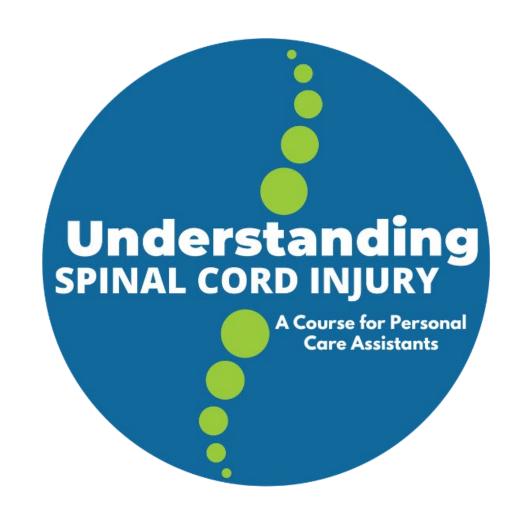
Understanding Spinal Cord Injury:
A Free Resource to Enhance
Training of Personal Care
Assistants

Jeanne Zanca, MPT, PhD, FACRM
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Trevor Dyson-Hudson, MD, FASIA
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Kessler Foundation



Background

Many Thanks to Our Sponsors











Collaborators





Jeanne Zanca, PhD, MPT, FACRM



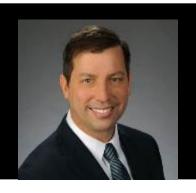
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Steering Committee



Production Team

Course Context

- Personal care assistance is critical to health and quality of life for many people with SCI
- Most personal care assistants (PCAs) have little knowledge of SCI
- Wanted to create a course to:
 - Introduce PCAs to SCI in a "big picture" way
 - Lay a foundation for hands-on training









Vision for the Course

Want to:	Do NOT Want to:
 Give PCAs a better idea of what to 	 Reinvent the wheel
expect when they walk in the door	 Replace hands-on training
 Help them ask good questions during hands-on training 	Get too technical
 Improve understanding of WHY care tasks are needed 	Get too specific
Increase motivation	
Promote mutual respect	





Potential Users

- Home health care organizations
- People with SCI or family members
- Rehabilitation programs
- Individual PCAs seeking more knowledge









Community Partner Collaboration

Key Partners

- People with SCI
- Family Members of People with SCI
- Experienced Personal Care Assistants (PCAs)
- Home Health Care Agency Leaders
- Rehabilitation Professionals







Partner Contributions

- Steering Committee
- Focus Groups/Interviews
- Workgroups
- Pilot-Testers







Steering Committee

- Advised us on content of question guides
- Gave input on proposed content before pilot-testing
- Helped us decide what revisions to make
- Informed worksheets/guides/resource list
- Helping to share the course with the SCI community
- \$50/meeting was provided in appreciation of members' time







Focus Groups and Interviews

- Goal was to understand the priorities and perspectives of key partners
- Conducted 10 interviews, 7 focus groups
- Identified emerging themes
- Proposed course module topics







Workgroups

- Provided guidance to help create specific content for course
- Each group focused on a major theme
 - Theme 1: What is SCI?
 - Theme 2: Secondary Complications
 - Theme 3: Misconceptions/Non-physical effects of SCI



- 3 groups of 3-4 members
- 3 people with SCI, 3 PCAs, 2 clinician, 2 home health care agency leaders
- Met twice a month during content drafting/finalization

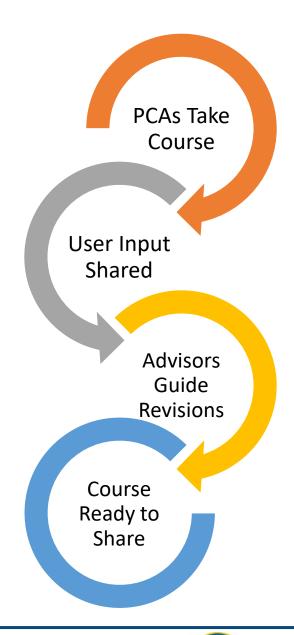






Pilot-Testing

- Participants
 - 15 PCAs with little experience assisting clients with SCI
 - 5 PCAs with SCI experience who were not involved in the course production
- Input gathered through:
 - Questionnaires
 - Interviews (subset of testers)
- Steering Committee/Workgroups guide revisions







Course Content Overview

Course Modules

1	You Make a Difference
2	What is Spinal Cord Injury?
3	Physical Functions Affected by SCI
4	Personal and Social Challenges Created by SCI
5	Common Misunderstandings about SCI
6	Complications of SCI
7	Applying What You've Learned
8	Special Topics





Course Modules

1	You Make a Difference
2	What is Spinal Cord Injury?
3	Physical Functions Affected by SCI
4	Personal and Social Challenges Created by SCI
5	Common Misunderstandings about SCI
6	Complications of SCI
7	Applying What You've Learned
8	Special Topics





Module 2: What is SCI?

- Definition of spinal cord and SCI
- Causes of SCI
- Characteristics of people with SCI
- Paraplegia vs. tetraplegia
- Level
- Completeness
- How everyone with SCI is different

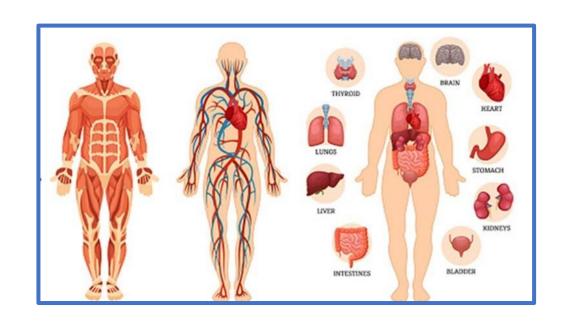






Module 3: Physical Functions Affected by SCI

- Movement
- Sensation
- Breathing
- Reflexes
- Temperature control
- Blood pressure control
- Bowel and bladder control







Module 4: Personal and Social Challenges Created by SCI

- Loss of control
- Feelings of vulnerability
- Loss of privacy
- Sadness/lack of confidence
- Social isolation
- Financial stress







Module 5: Common Misunderstandings about SCI

- Three major categories of "myths" addressed:
 - Physical effects
 - Thoughts and feelings
 - Preferences for help





Module 5: Common Misunderstandings about SCI

Myth	Fact
All people with spinal cord injury are the same.	No two people with spinal cord injury are the same, even if they have injuries in the same place in the spinal cord.
SCI affects both moving and thinking ability.	People with SCI can think and make decisions just like you.





Module 5: Common Misunderstandings about SCI

Myth	Fact
If it looks like your client is "struggling" with a task, you should help.	There are many reasons why a person with a spinal cord injury may prefer not to have help in certain situations.
People with spinal cord injury who cannot walk must be unhappy.	People with spinal cord injury are capable of living happy, fulfilling lives even if they cannot walk.





Module 6: Complications of SCI

- Skin issues (pressure injuries, burns)
- Autonomic dysreflexia
- Low blood pressure
- Infections
- Pain
- Blood clots
- Problems with joints, muscles, or bones
- Mental health challenges







Module 8: Special Topics

Building Positive Working Relationships

- Establish expectations
- Define responsibilities
- Identify who is directing care
- Encourage a professional relationship
- Speak up
- Check in regularly
- Identify helpers

Equipment

- Importance for function/safety
- Importance of maintenance
- Types and general function
- Who to ask for more information

Tips for Safe Transfers

- Overview of techniques/range of help needed
- What to check before you move
- Mechanical lift overview
- Importance of assessing individual client needs/preferences
- Pause if needed

Blood Pressure

- Autonomic dysreflexia (definition, signs responses)
- Hypotension (definitions, ways to prevent and manage)





Supplemental Materials

- Discussion guide for conversation about needs and preferences
- List of web-based resources















Model Systems Knowledge Translation Center





Course Platform

Delivery Platform

- Subscription service
- Facilitates web-based course creation and sharing
- Enables access from any internetconnected device
- Platform for the Kessler Foundation Learning Center

THINKIFIC







Course Structure and Elements

- Divided into chapters (modules)
- Lessons are nested within chapters
- Content types
 - Slides with images and voice over
 - Videos
 - Assessments (quizzes)







Laptop/Desktop View







Laptop/Desktop View







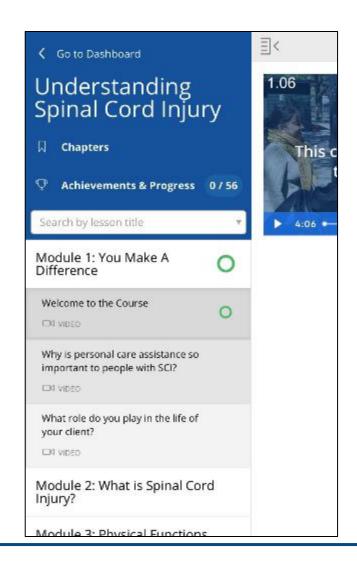
Laptop/Desktop View

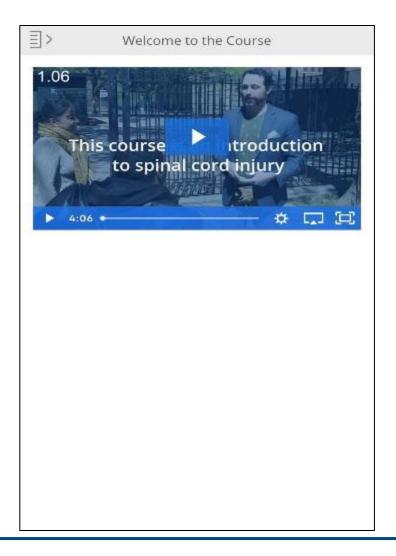






Mobile Device View

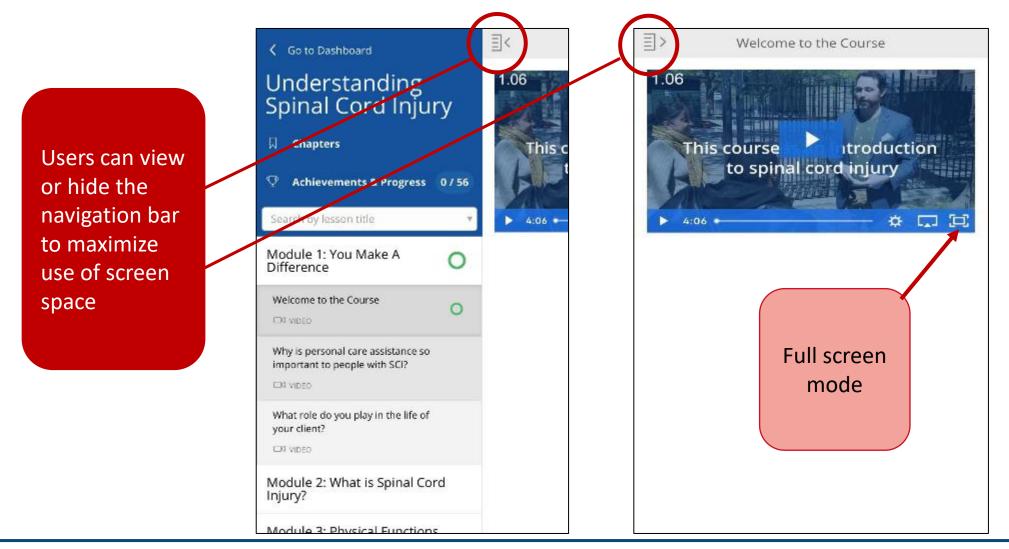








Mobile Device View







Lesson Sample







To Access the Course





https://bit.ly/understandingSCI





Dissemination (You can help!)

- SCI rehabilitation centers
- Independent living centers
- SCI organizations (United Spinal, PVA, Paralysis Resource Center)
- Home health care agencies
- Agency associations
- Accrediting bodies
- Other suggestions?
- Contact <u>jzanca@kesslerfoundation.org</u> for media toolkit





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Questions?

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