Implementing Exercise Trials in Disability Populations: Story, Strategy, and Science

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LAS MEDICINE

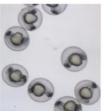














Implementation Story: A Lived Experience

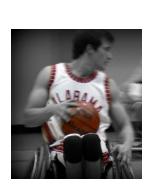










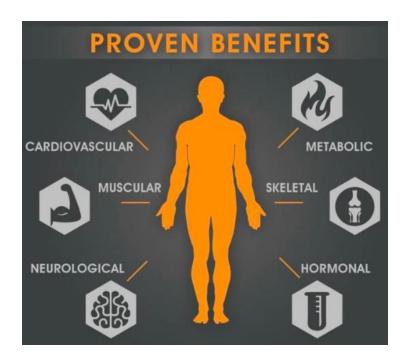








"Behavioral coaching to improve adherence to exercise"



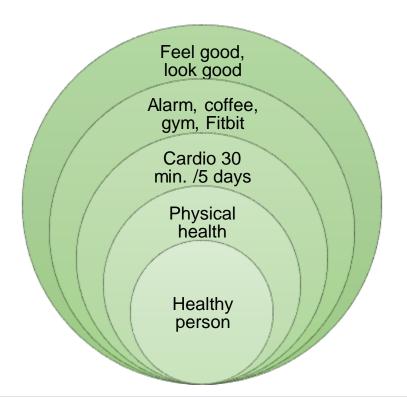






Universal Model







Online Education



Department of Epidemiology and Biostatistics University of California, San Francisco

Certificate in Implementation Science

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Co-Directors, Implementation Science Training Program

Learning Objectives

- Discuss health disparities of people with disabilities.
- List and describe barriers to health promotion at the intrapersonal and interpersonal level for people with disabilities.
- Describe implementation science strategies used in delivery of exercise trials targeting people with disabilities.
- Discuss the power of strategic partnerships for implementation science.



Disability Impacts ALL of US

Disability is especially common in these groups:

women

in4

women have a disability



minorities

3in]0

non-Hispanic blacks have a disability





One in tive American adults has a disability.*

Adults living with disabilities are more I	likel	y to:
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		With Disabilities	Without Disabilities
BE OBESE		38.4%	24.4%
SMOKE		30.3%	16.7%
HAVE HIGH	BLOOD PRESSURE	41.7%	26.3%
BE INACTI	VE	36.3%	23.9%
Adulta li ina usi	th dealilties and		

Adults living with disabilities are

more likely to have



Rehabilitation to Community through Exercise

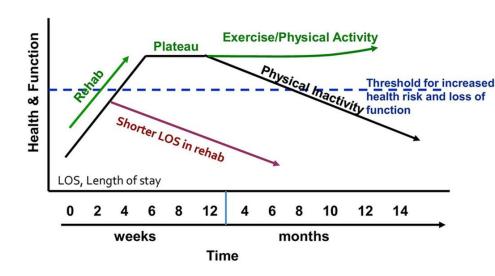


Figure 1. Getting beyond the plateau (Rimmer, 2012)

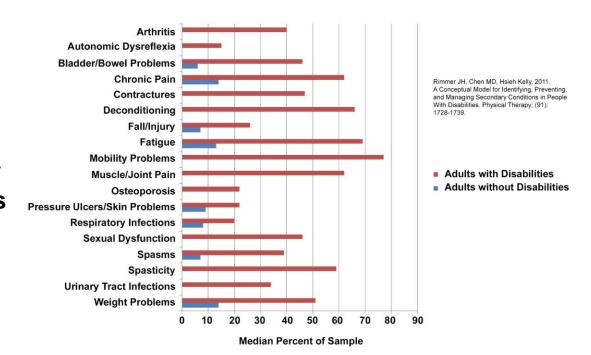
- People with disabilities are predisposed or at risk for developing three sets of health conditions that must be considered in the design and implementation of health promotion programs:
 - Associated Conditions
 - Secondary Conditions
 - Chronic Conditions*



^{*} affect the general population

Secondary Health Conditions

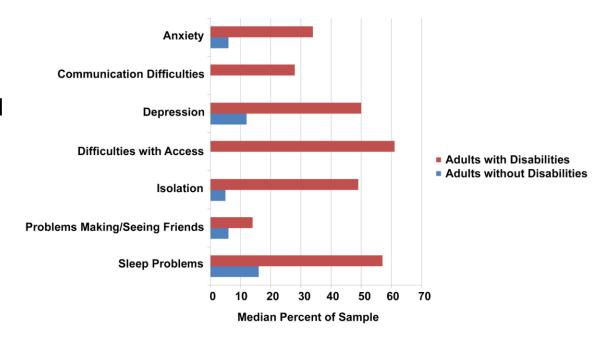
Physical Secondary Conditions



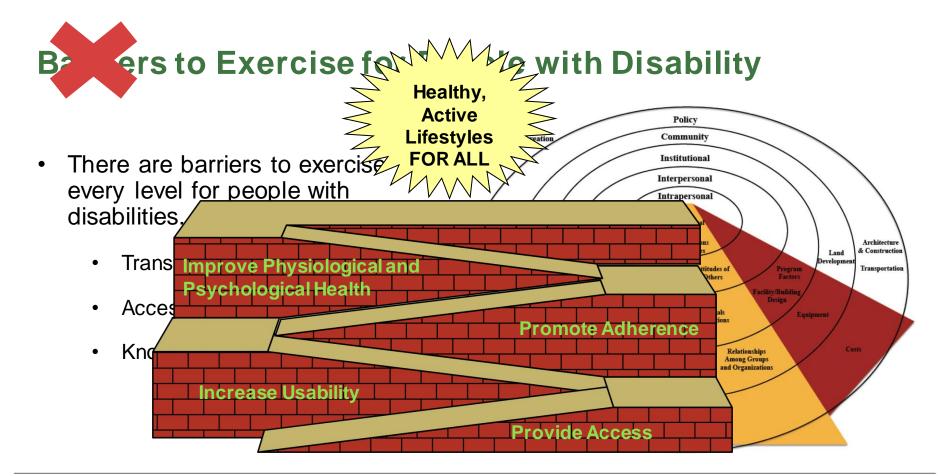


Secondary Health Conditions

Psychosocial Secondary Conditions



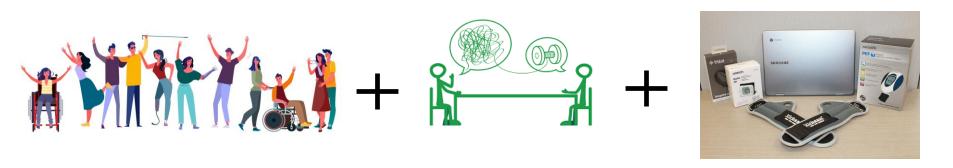






Goal of Exercise Research

Function Participation Quality of Life





Using Telehealth Technology

Telehealth is the distribution of healthrelated services and information via electronic information and telecommunication technologies.

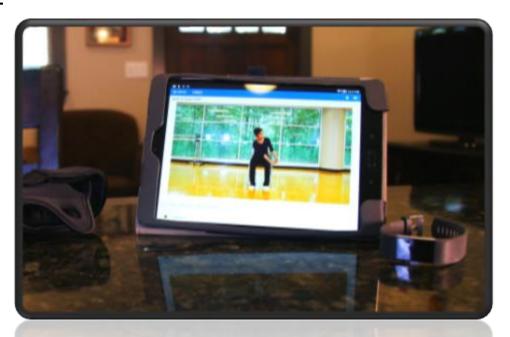


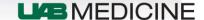


Scale Up Project Evaluating Responsiveness to Home Exercise And Lifestyle Tele-Health









Problems With Research to Practice (Impact)

Translational Issues*:

- 14% of Interventions succeed in benefiting patients
- 17 Years to move into practice
- ~80% of medical research dollars do not make a public health impact for various reasons**

Implementation Issues***:

- Only 44% of adults with disabilities who visited a doctor in the past year received a physical activity recommendation from their doctor.
- Nearly half of all adults with disabilities get no leisure time aerobic physical activity.





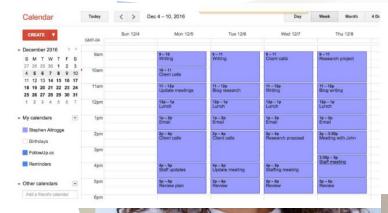
Implementation Strategies by the dozer





Email







Implementation Science: The power of people, participants, and partners









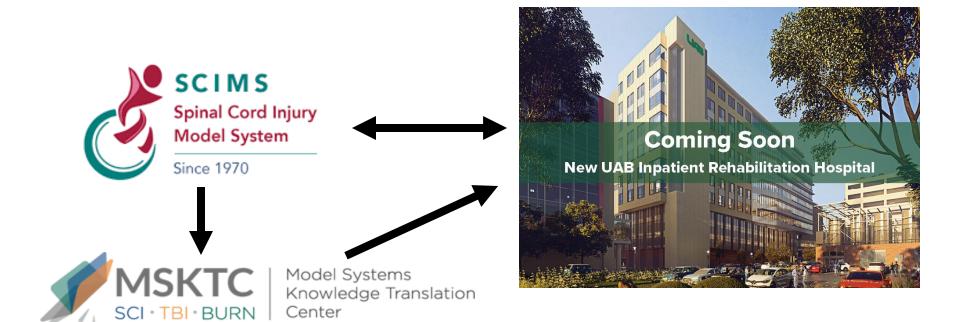








Rehabilitation Center and Model Systems





Lakeshore Foundation Sports Science Performance Center





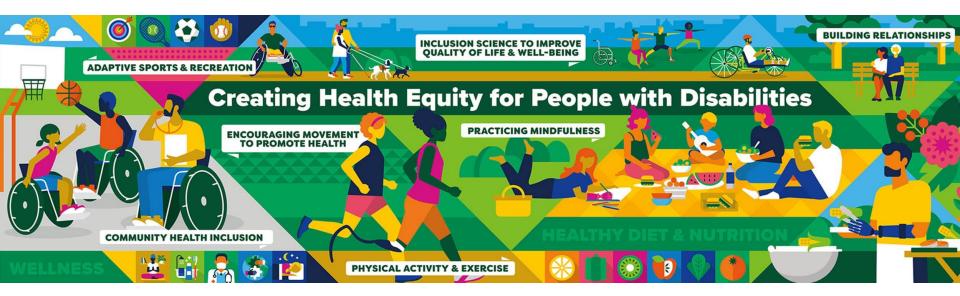














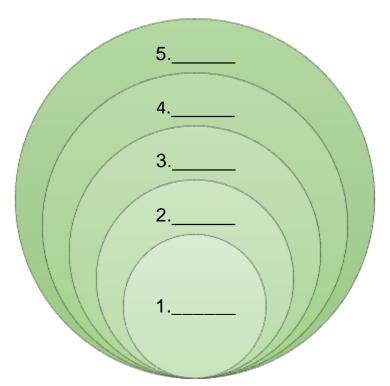






What do you want to implement for a powerful partnership?









Questions



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