

State of the Science Conference

on

Exercise and Recreational Technologies for People with Disabilities

May 30 - 31, 2006, Denver, Colorado



Technology for a Healthier Lifestyle

RecTech Partners

University of Colorado

Computer Science and Engineering Divisions

University of Colorado Health Sciences Center

Assistive Technology Partners

Dept. of Physical Medicine and Rehabilitation

CU Coleman Institute on Cognitive Disabilities

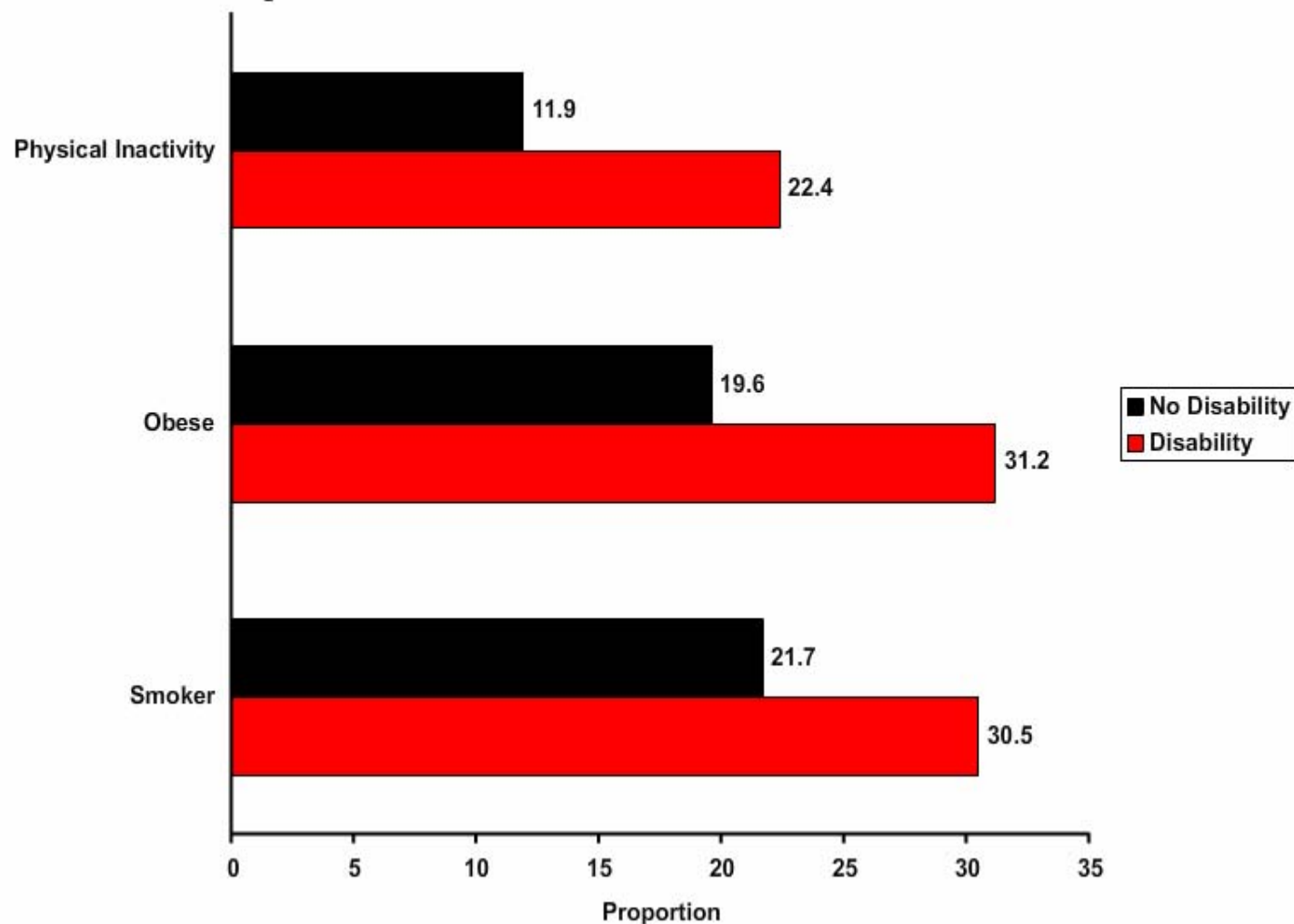
Veteran's Affairs Palo Alto Health Care System

Rehabilitation Institute of Chicago

Industry Partner: Life Fitness

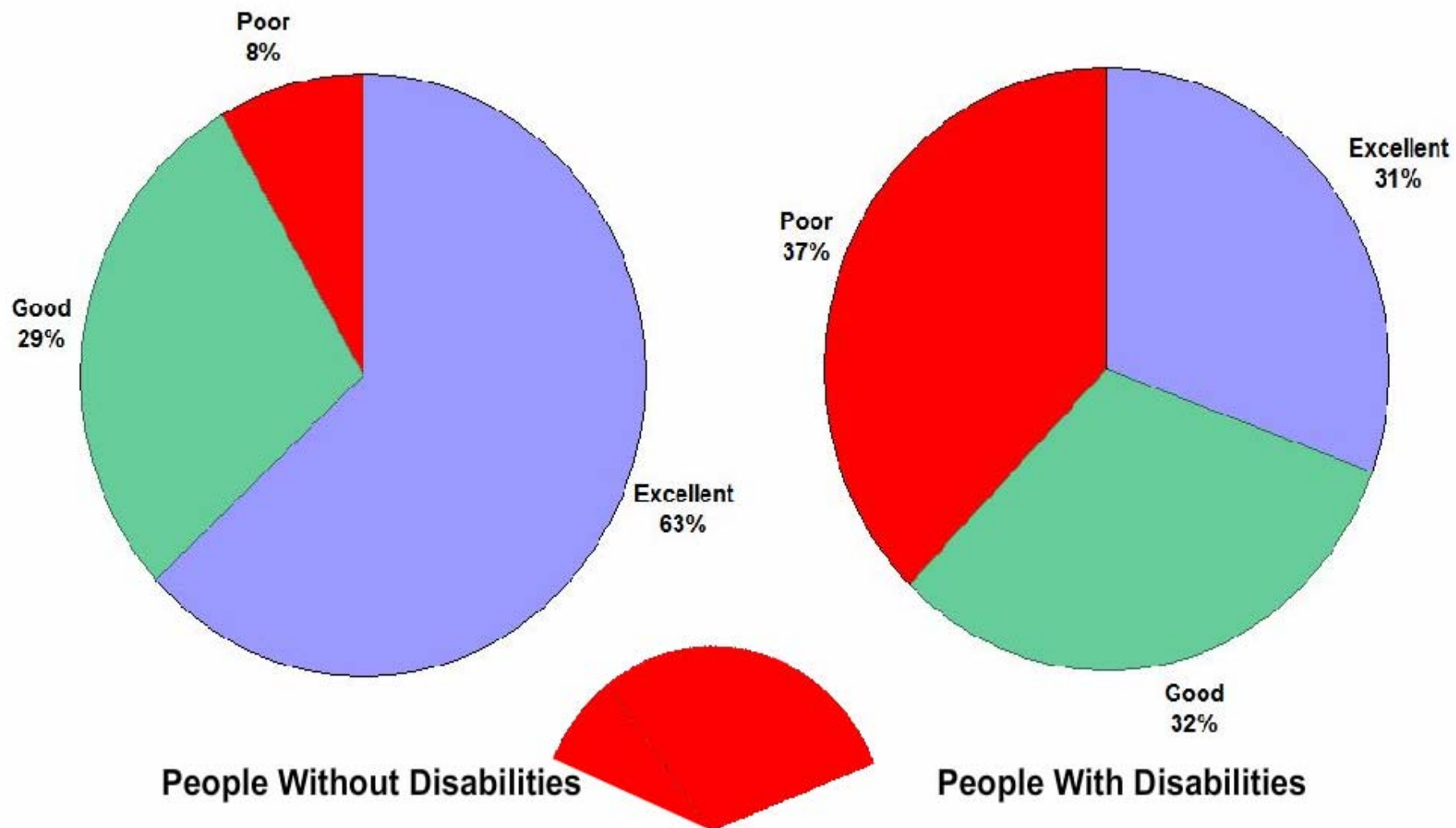
Training/Dissemination Partner: American College of Sports Medicine

Health Disparities Between People With and Without Disabilities



Source: Health Risk Behaviors and Health Status - BRFSS

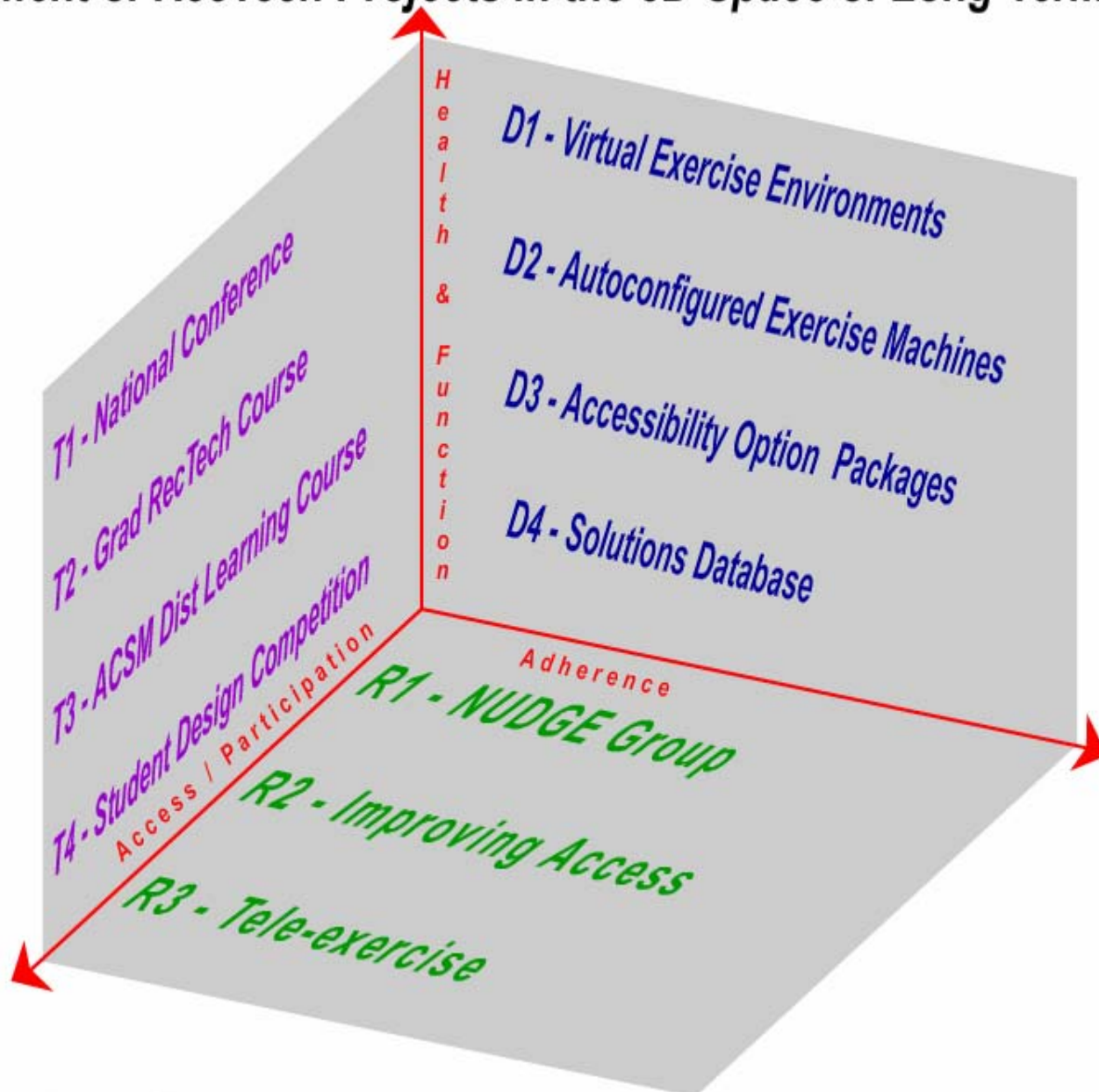
Self Reported Health Status



Poor Health Status Worsens From 8% to 37%

Source: Self Reported Health Status - BRFSS

Placement of RecTech Projects in the 3D Space of Long-Term Outcomes



NIDRR Long Range Plan (2005-2009) - Eliminate Disparities

Major Domains of NIDRR Mission

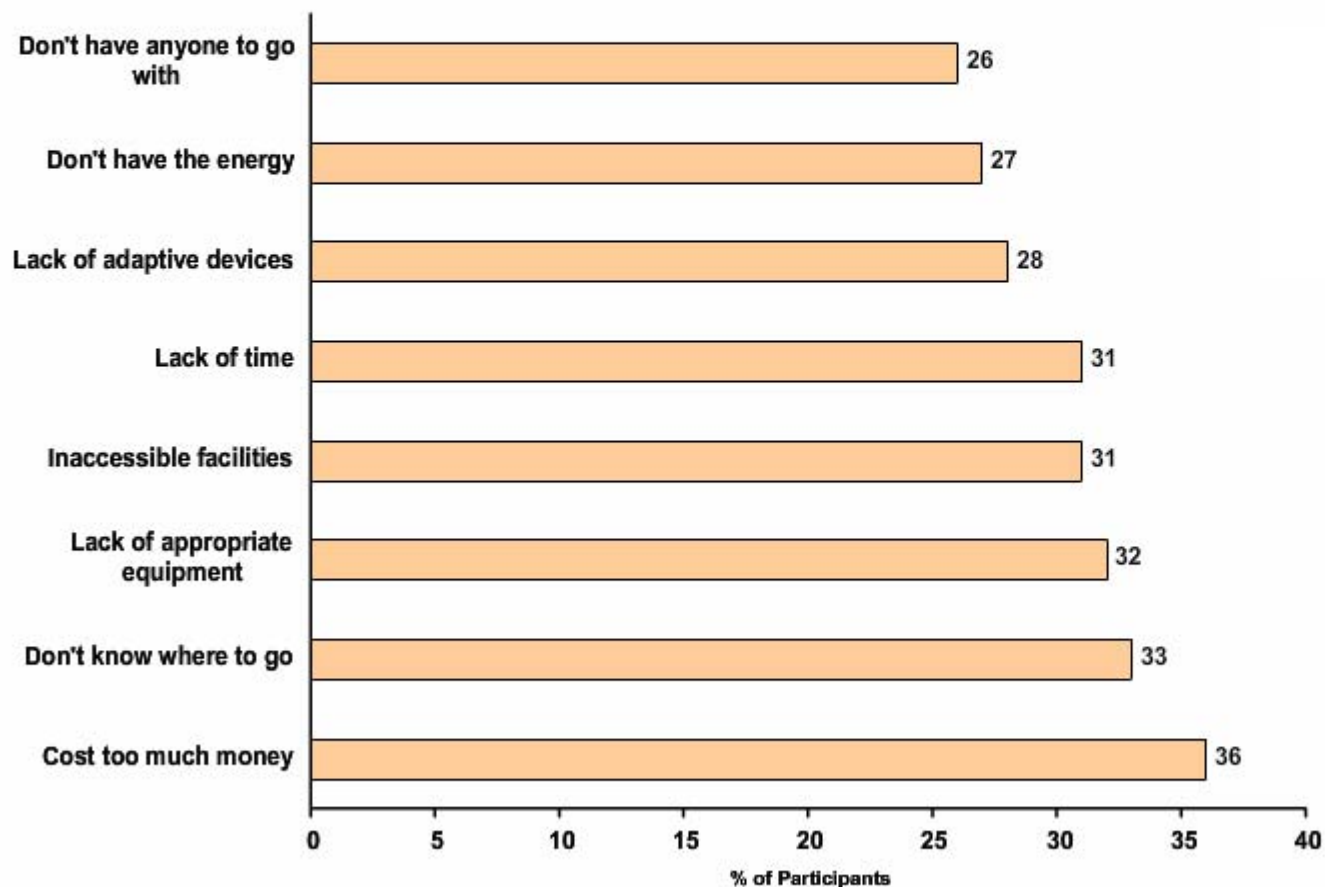
Participation & Community Living	Health & Function	Technology for Access & Function	Disability Demographics	Employment

RecTech Long Range Plan (2002-2007) - Eliminate Health Disparities

Major Domains of RecTech Mission

<i>Participation in Healthful Recreation and Exercise</i>	<i>Improvements in Health & Function leading to reduction in Secondary Conditons</i>	<i>Technology for Increasing Access, Participation and Adherence to Healthful Recreation & Exercise</i>	<i>Tracking Demographics Associated with Recreation and Exercise</i>	<i>Long-Term Employment by Maintaining and Improving Health</i>

Addressing the Barriers to Exercise & Recreation Among People With Disabilities (n=1032)



R1 - Recreational Technologies Survey R2 - Environmental Accessibility R3 - Tele-exercise Technology
D1 - Virtual Exercise Environments D2 - Autoconfiguration D3 - Universal Exercise Equipment D4 - Online Solutions Database

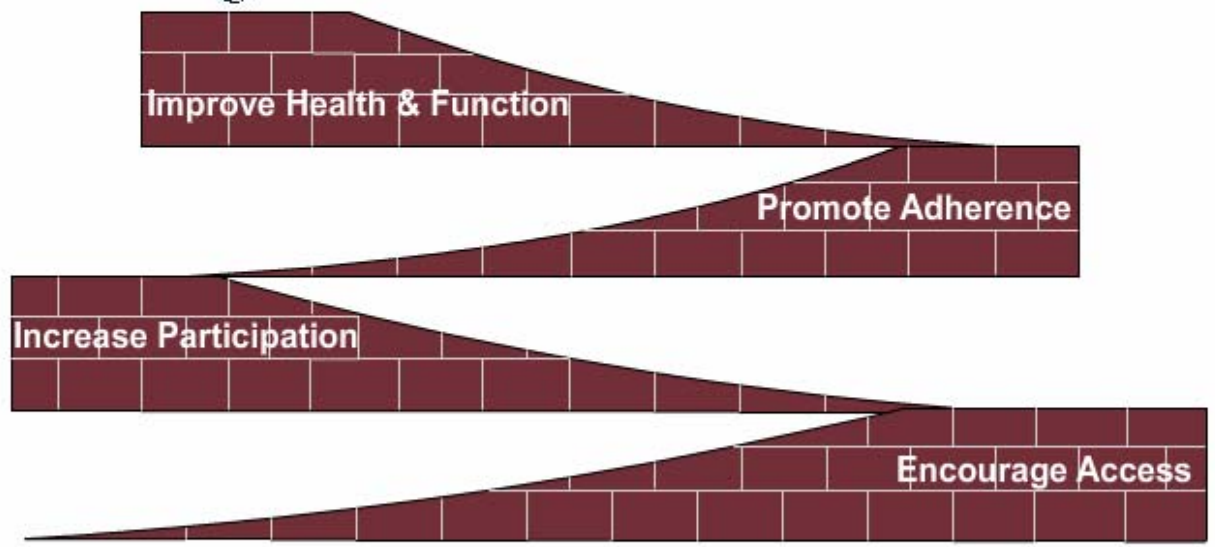
Restoring Activity for Mobility & Participation - RAMP

Effective

Improve Health & Function

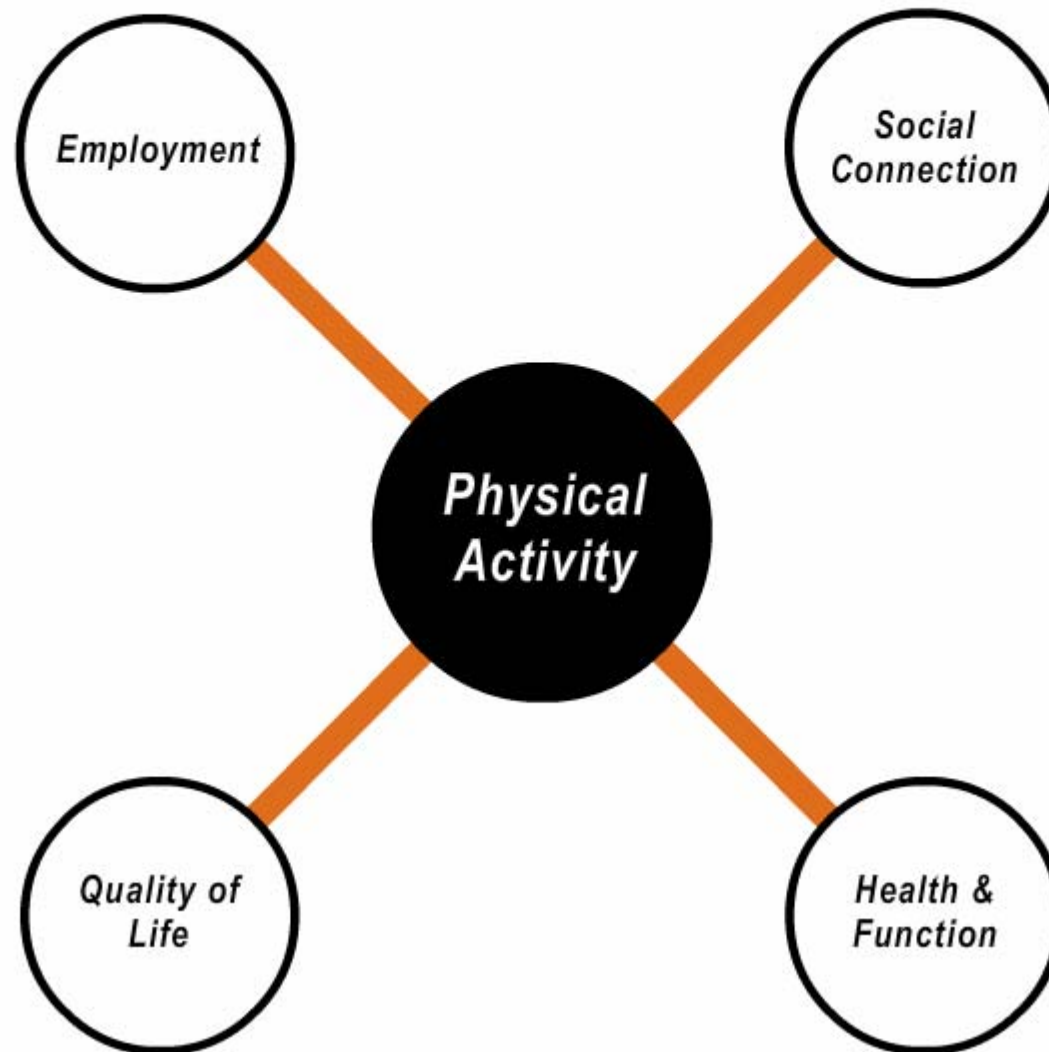
Immersive

Engaging



Interactive

Physical Activity Can Enhance Key Areas of Life



Uniting the World Through Physical Activity - RecTech's Reach Across the Globe

