

# University of California, Irvine



# Investigators:

Chang Sok So, OMD, MD, PhD

Robert H. Blanks, Ph.D.

Roland A. Giolli, Ph.D.

Tonya L. Schuster, Ph D

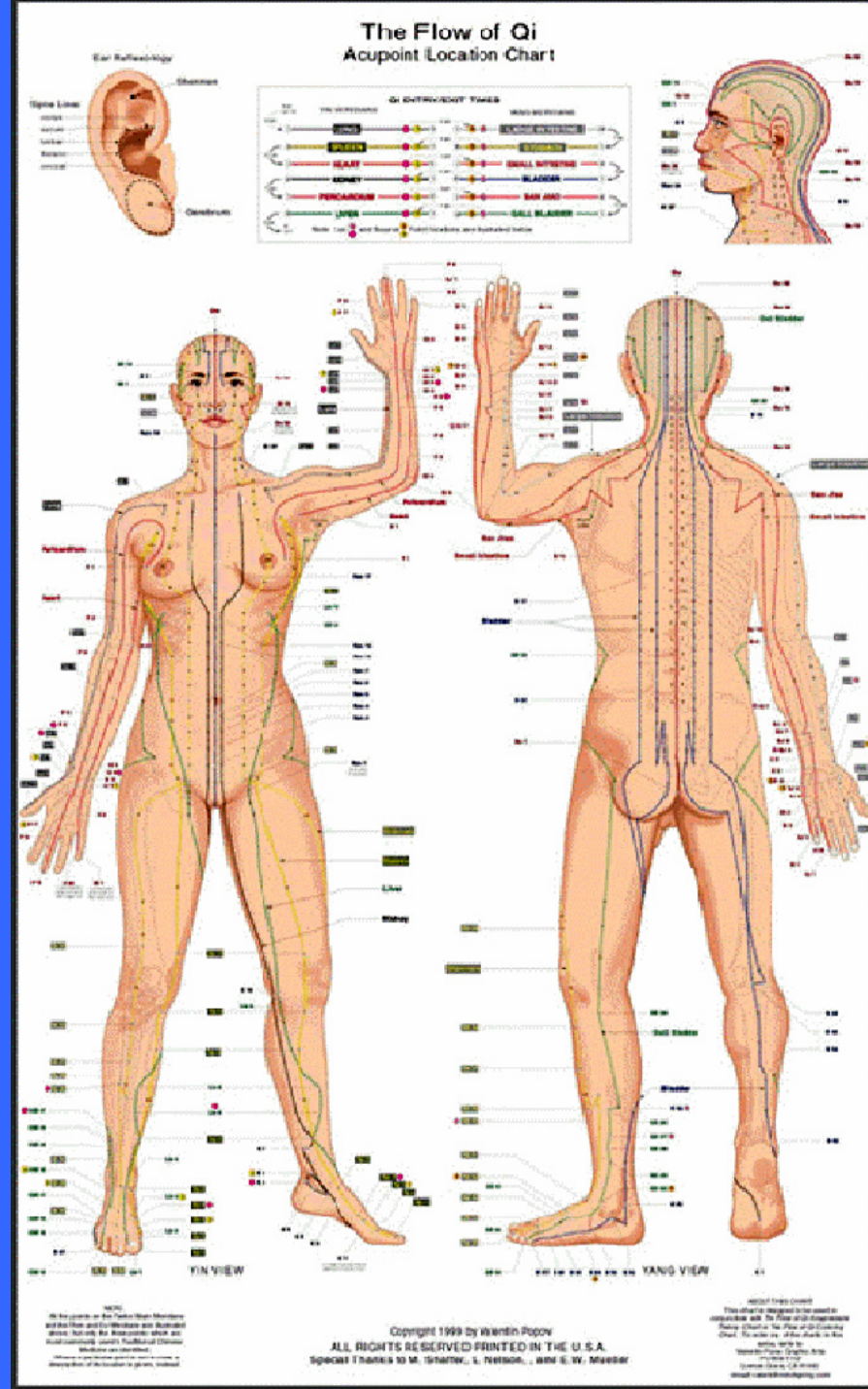
Maritza Jauregui, Ph Dc

Haiou Yang, Ph D



**효능 실험을 위한 미건 온열기 전달식**  
University of California, IRVINE  **무색역사 미건의류기**  
MJON MEDICAL TREATMENT CO., LTD.

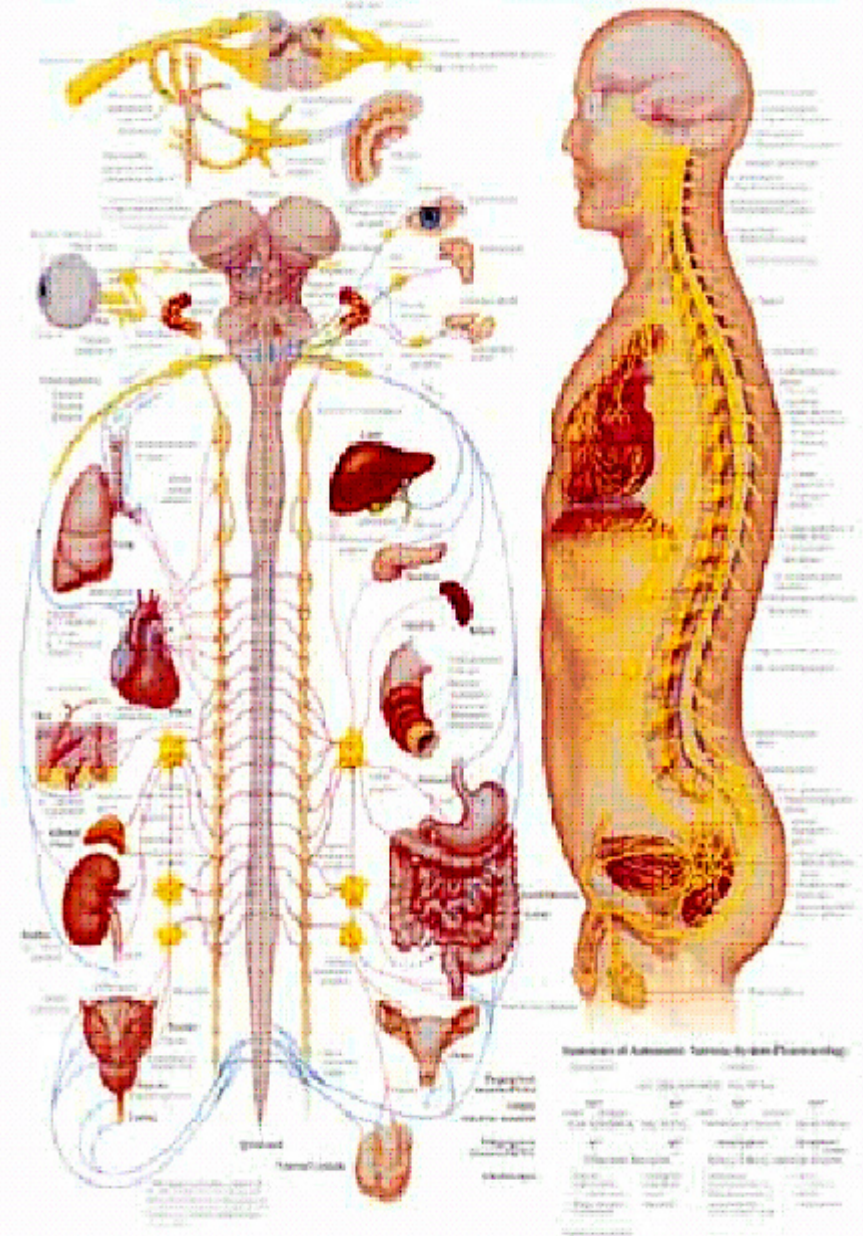
# Migun Technology: based upon Oriental Medicine Philosophy/Practice





Migun  
Technology:  
Uses sound  
Western Medicine  
Principles

## THE AUTONOMIC NERVOUS SYSTEM



# Teleform Collection

Survey dates:	Nov. 3, 2001 to Jan. 4, 2002	
Number of centers:	25 primary beta sites	
Respondents:	2428 (ca. 25-35% response rate)	
Age:	57 $\pm$ 13 (range 18-88 yrs.)	
Gender:	68% female	
Duration of care:	10.6 + 12.8 mo (range: 1 day-9 yrs)	
Frequency of care:	daily	71%
	several times a day	25%
	When remembered	4%

## Co-therapy:

“The combined use of two or more distinct interventions to improve ones health and well-being.”

# Migun Co-therapy:

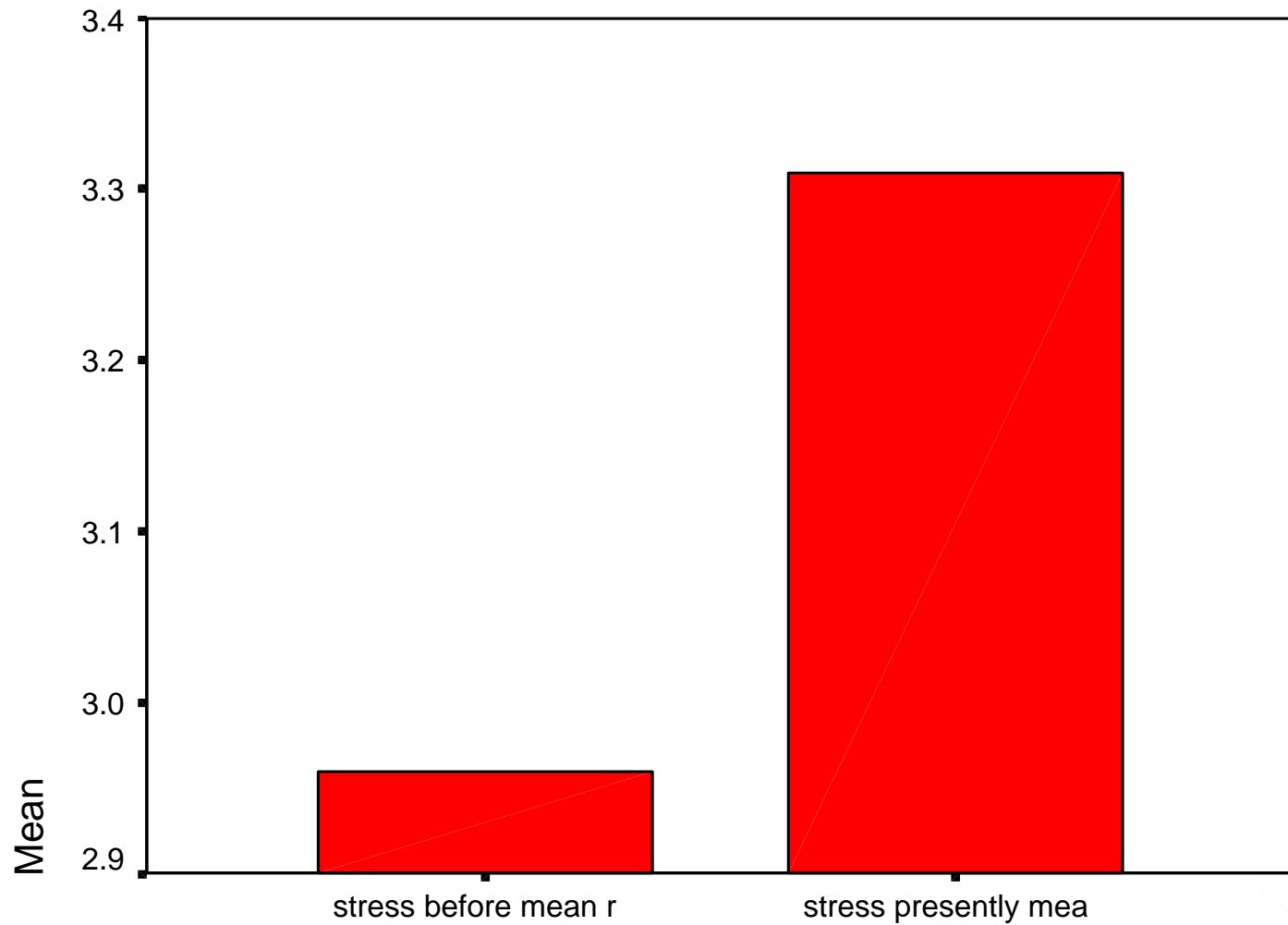
- 100% Use Migun for health and wellness concerns
- >95% Migun clients see a physician on a regular basis.
- 94% Migun clients **also use** other forms of healthy lifestyle or Complementary and Alternative Medicine (CAM) modalities.



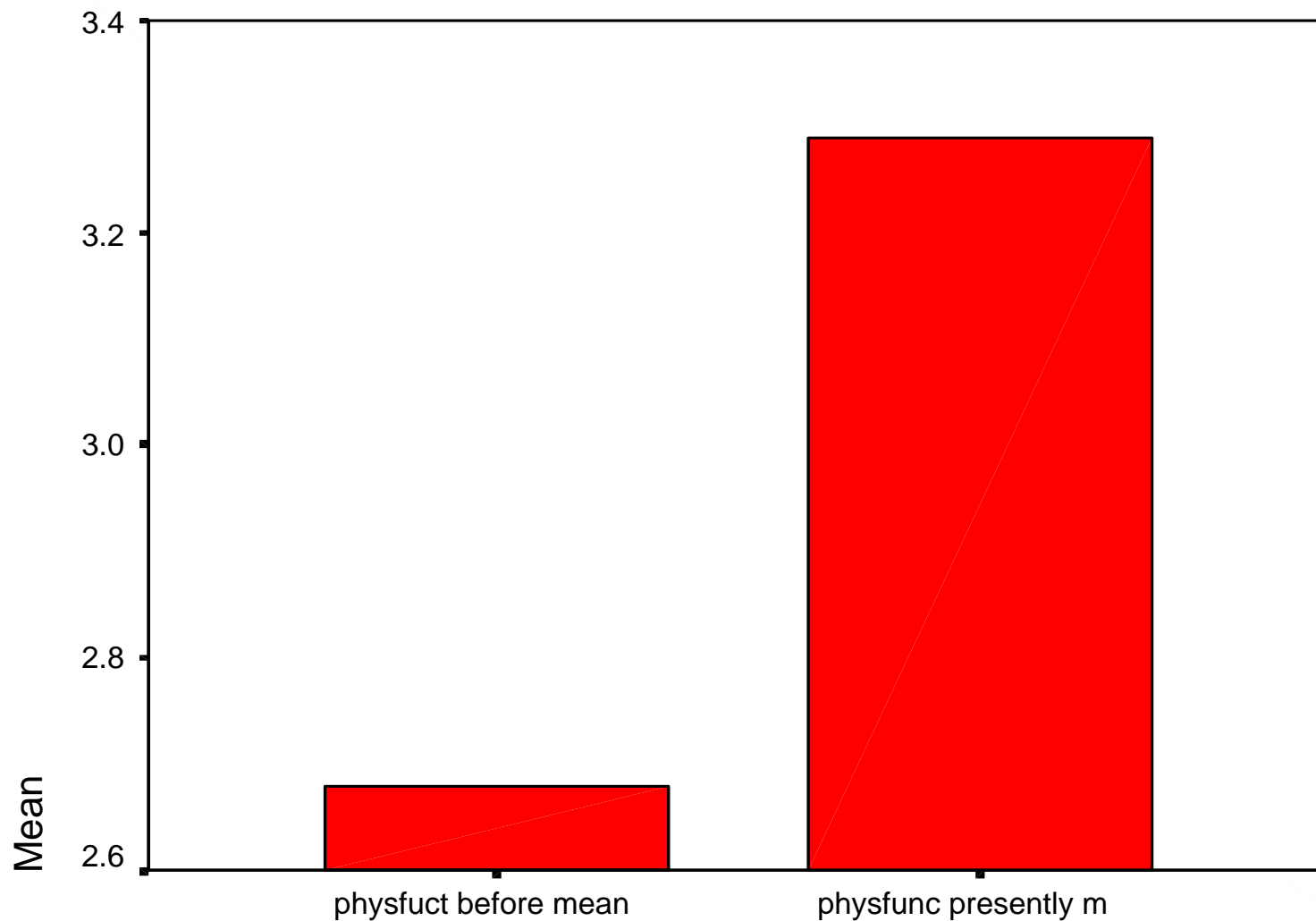
# Migun Wellness Survey: health domains

- Stress evaluation
- Physical functioning
- Physical health
- Mental and Emotional Health
- Life enjoyment
- Social well-being

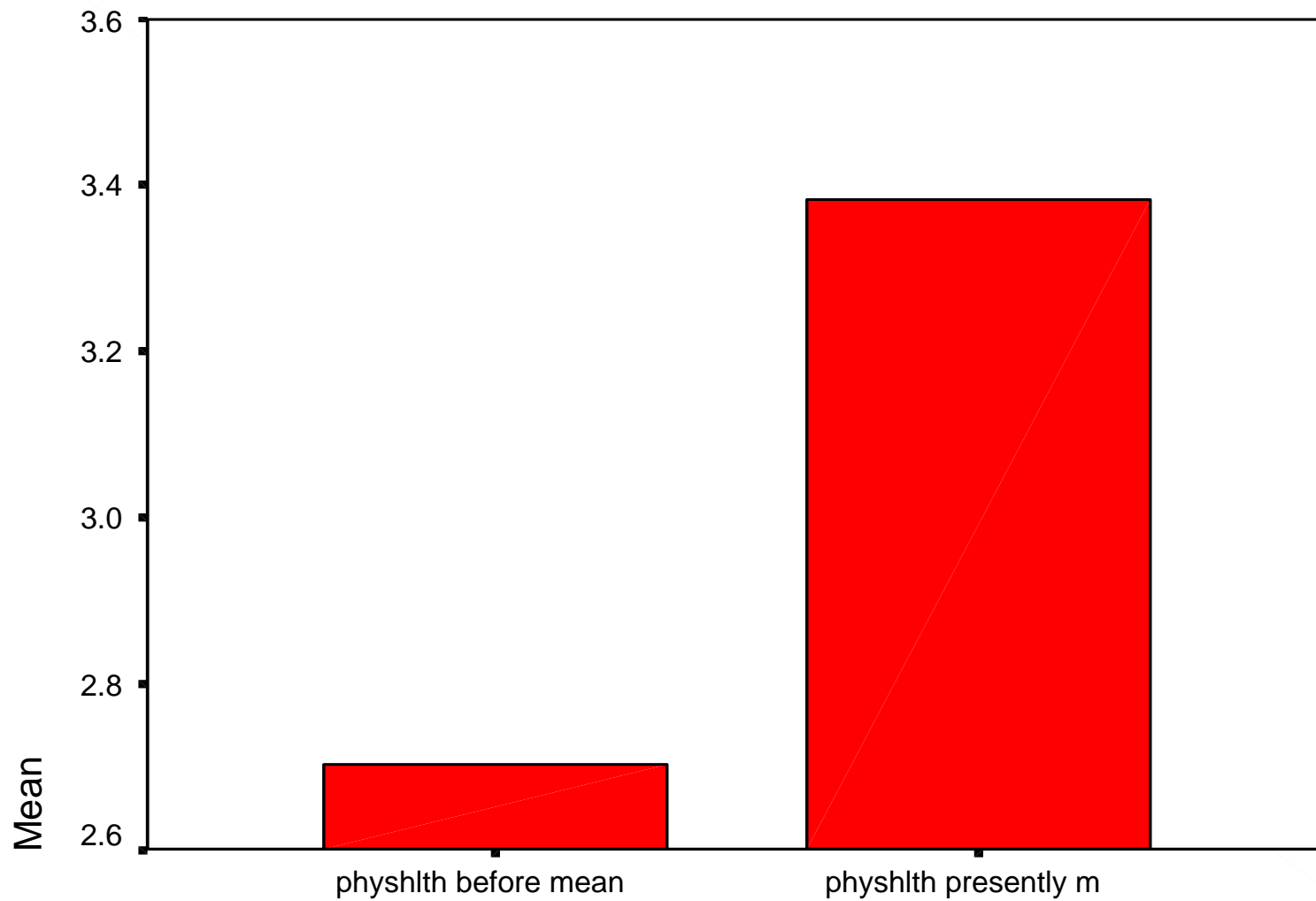
## stress evaluation (mean) before and presently



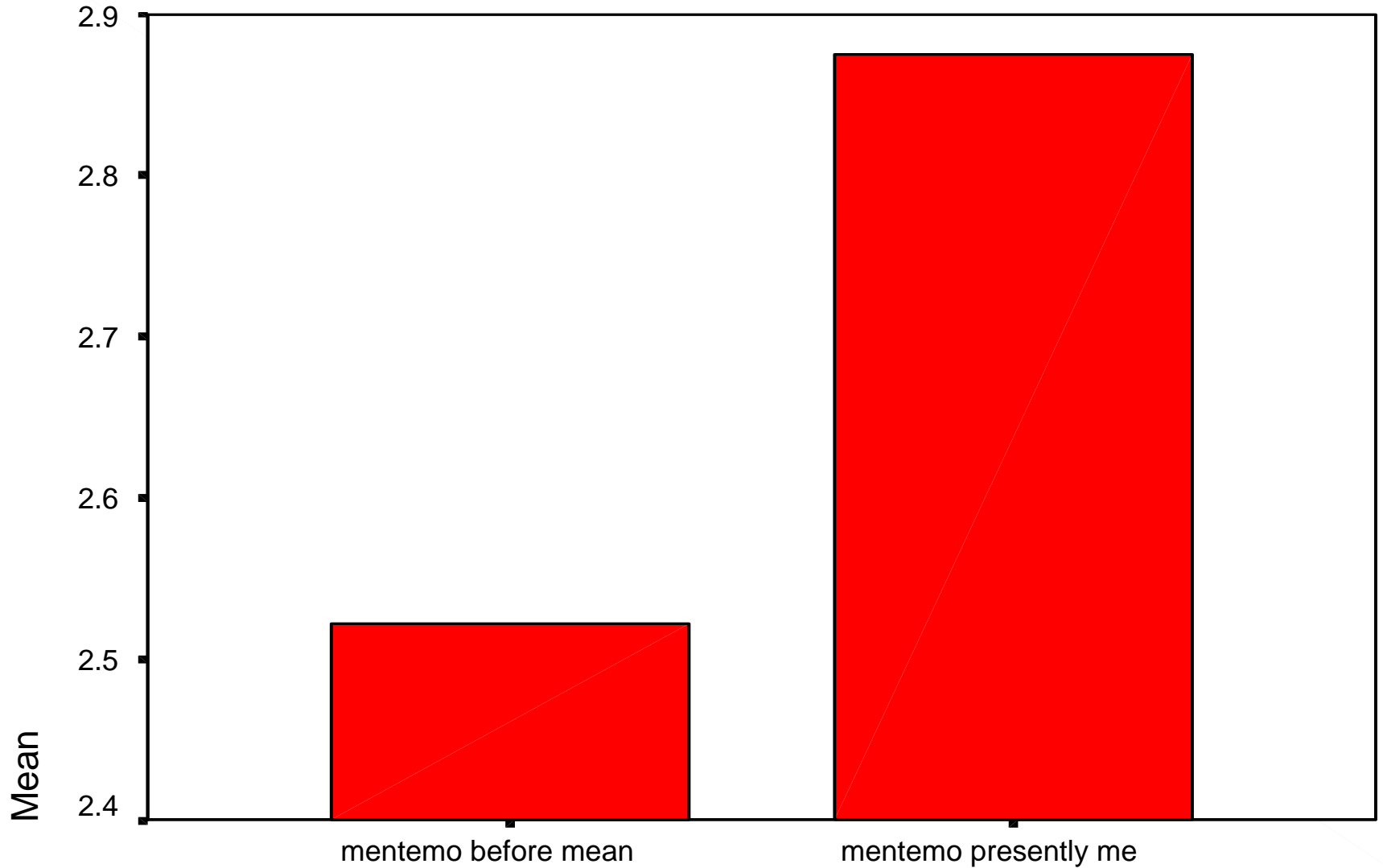
# physical functioning (mean) before and presently



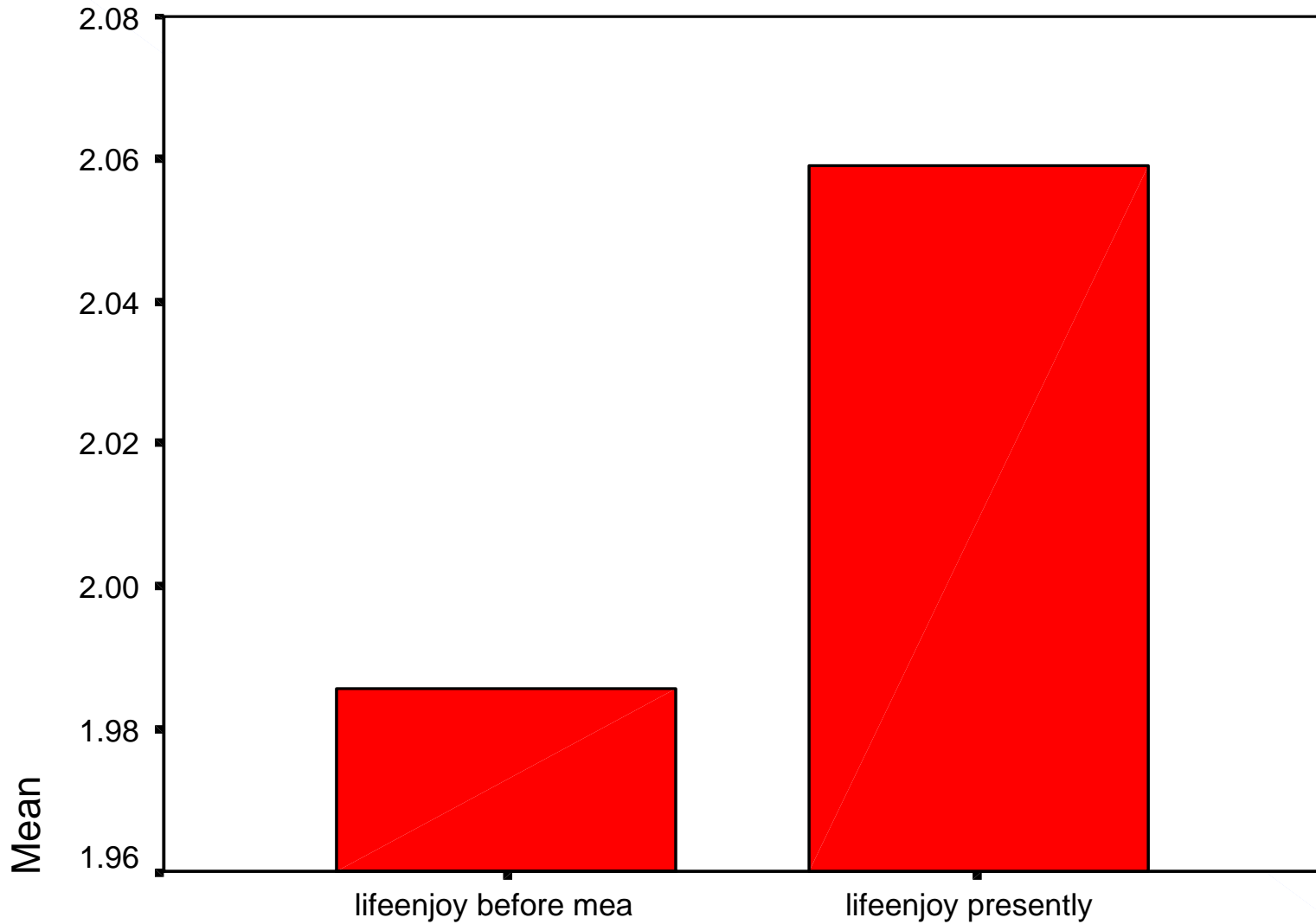
# physical health (mean) before and presently



# mental/emotional health (mean) before and presently

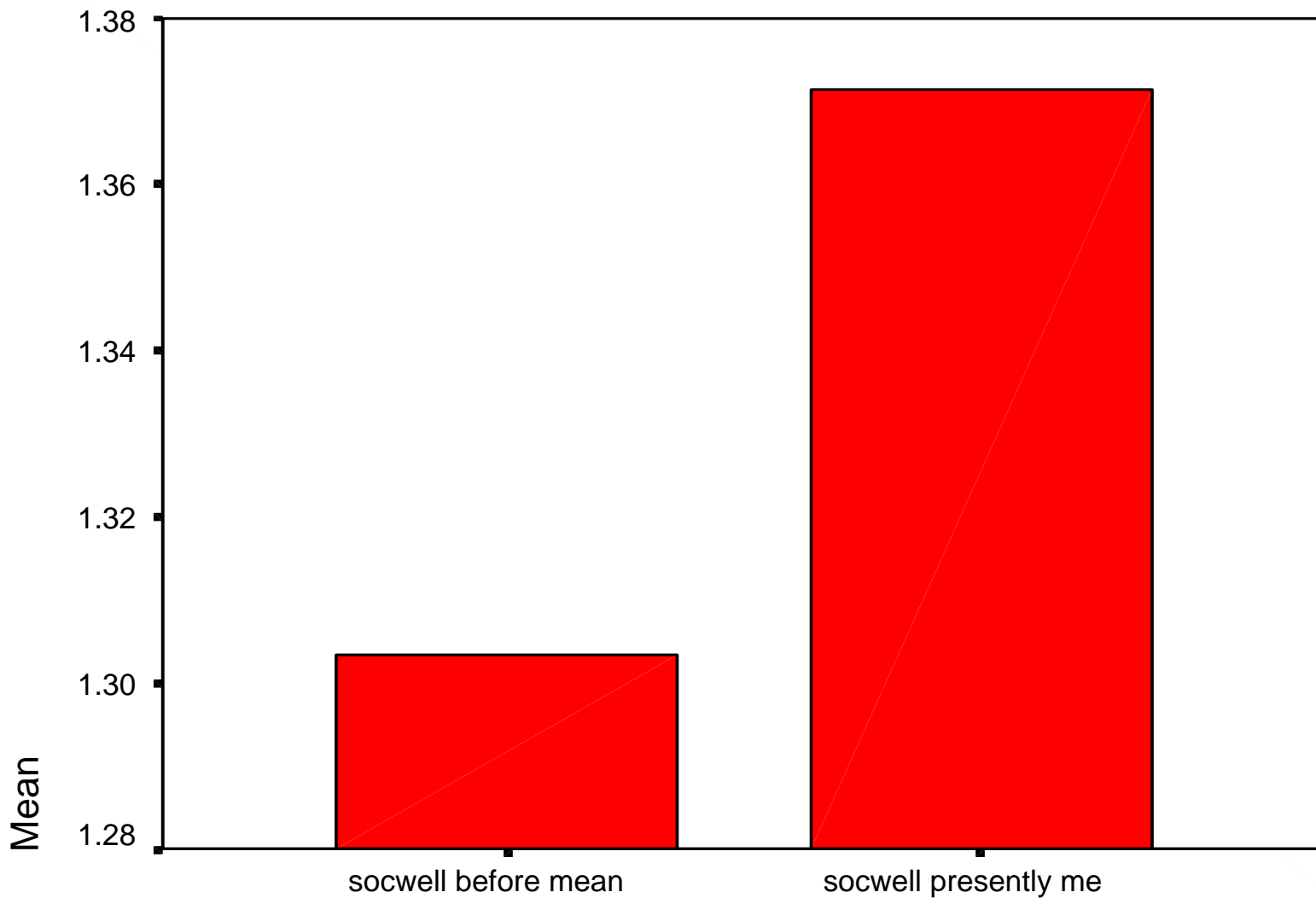


# life enjoyment (mean) before and presently

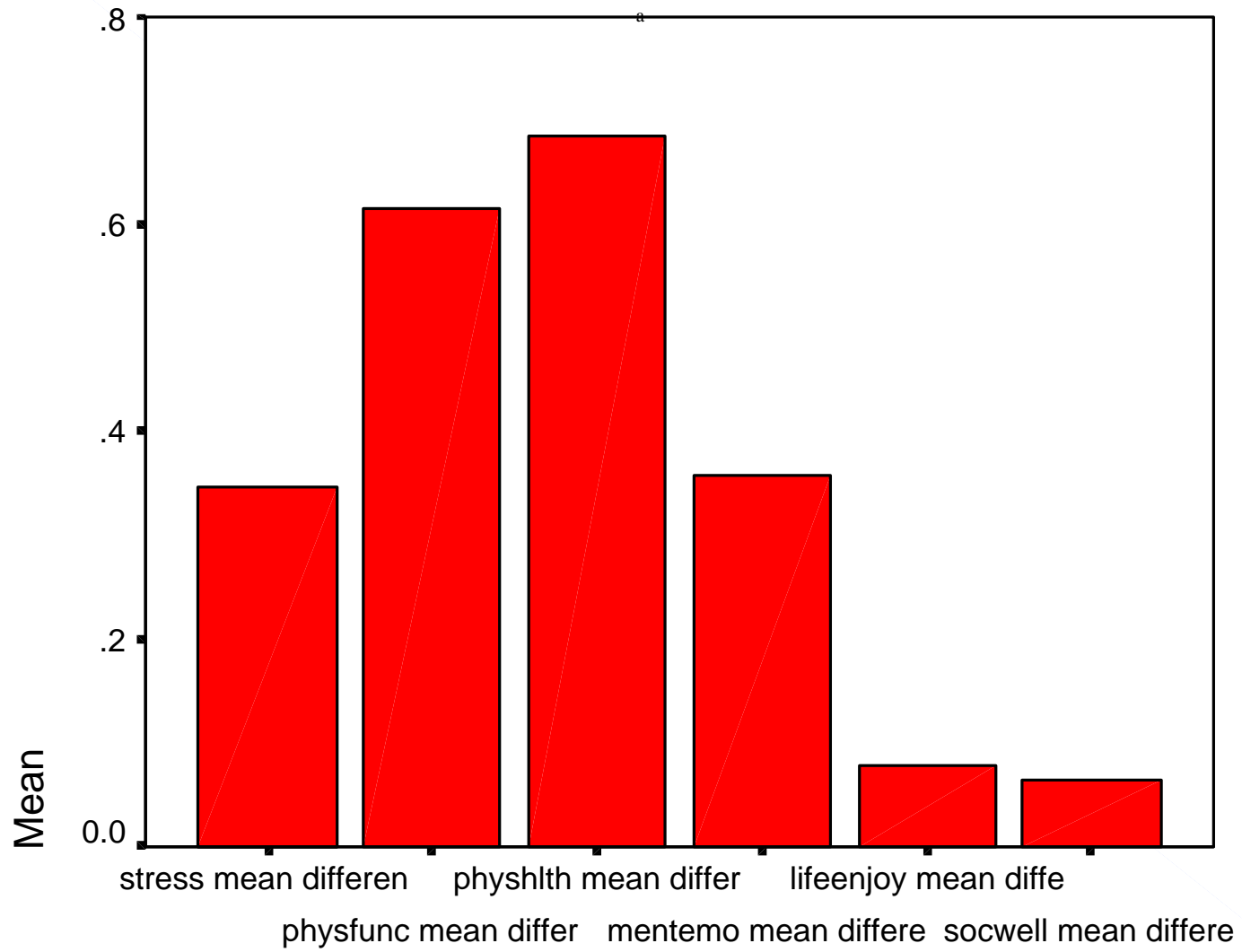




# social well-being (mean) before and presently



# wellness scales (mean) differences



# Clinical Effect Size (CES)

$$\text{CES} = \frac{\text{score ["presently"]} - \text{score ["before Migun"]}}{\text{standard deviation ["before Migun"]}}$$

Large clinical effect > 0.6

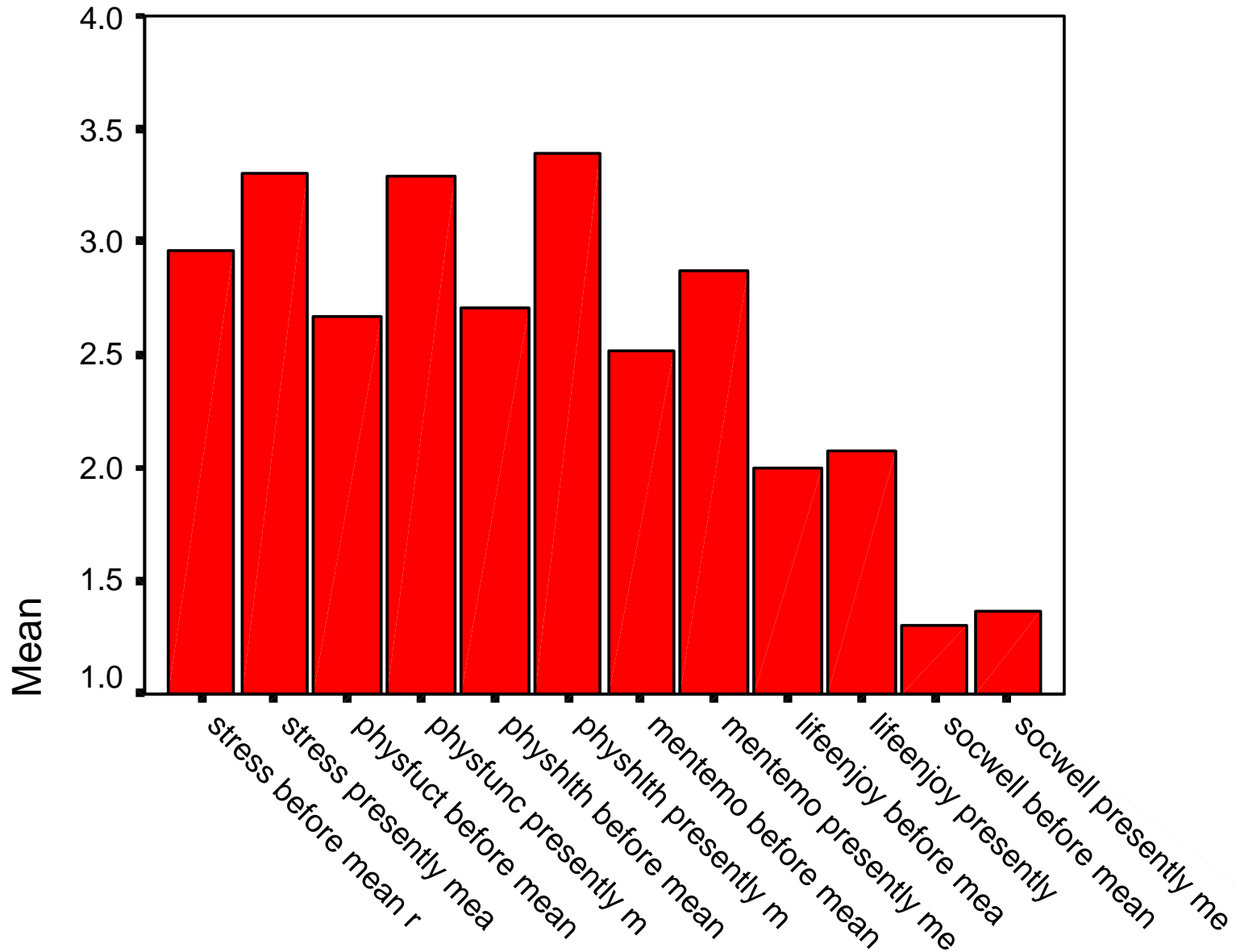
Moderate clinical effect 0.3 – 0.6

Small clinical effect 0.1 – 0.3

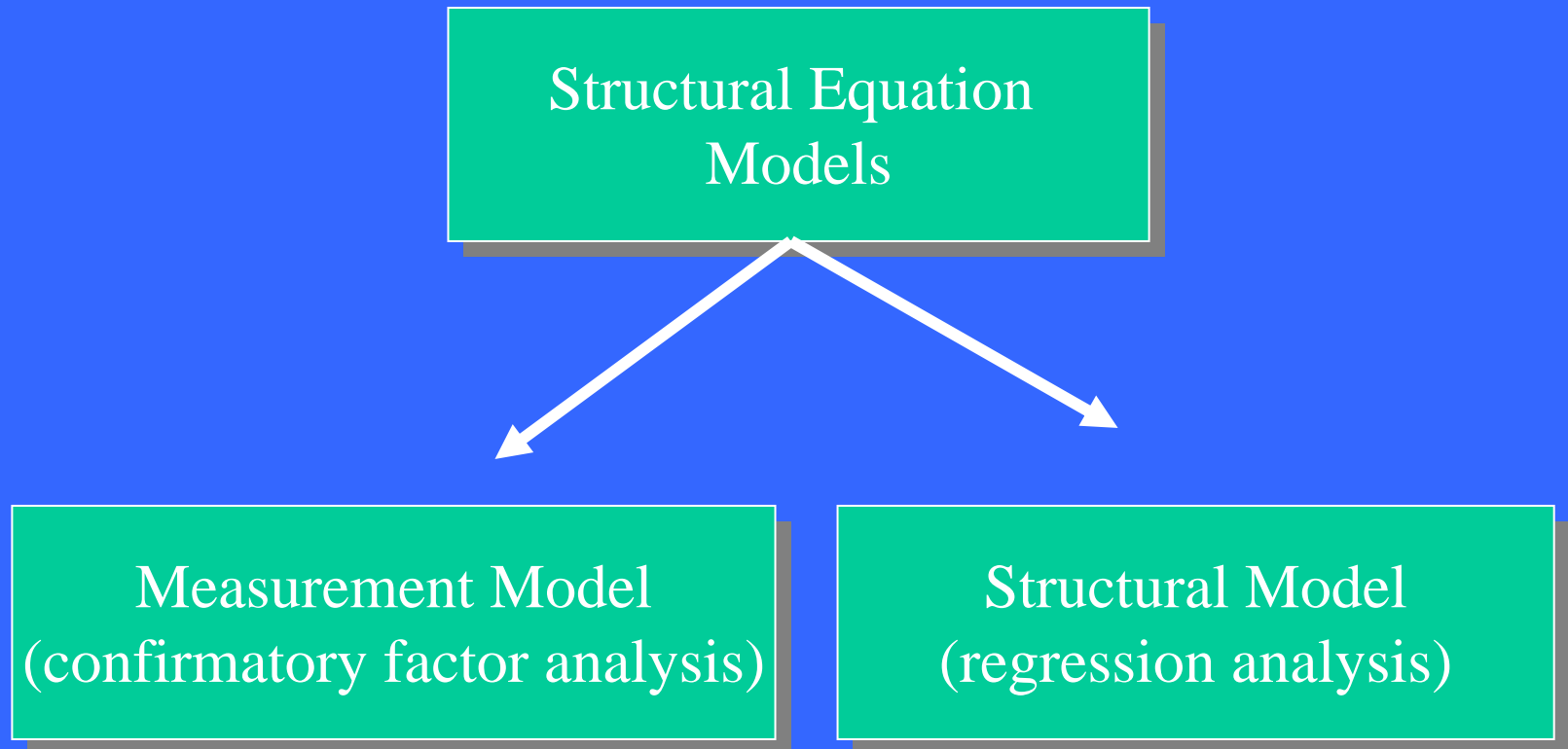
# Migun Clinical Effect Size (CES)

<u>Scale</u>	<u>CES</u>	<u>effect size</u>
Stress evaluation	0.51	moderate
Physical functioning	0.78	large
Physical state	1.08	large
Mental/emotional state	0.66	moderate
Life enjoyment	0.14	small
Social well-being	0.10	small

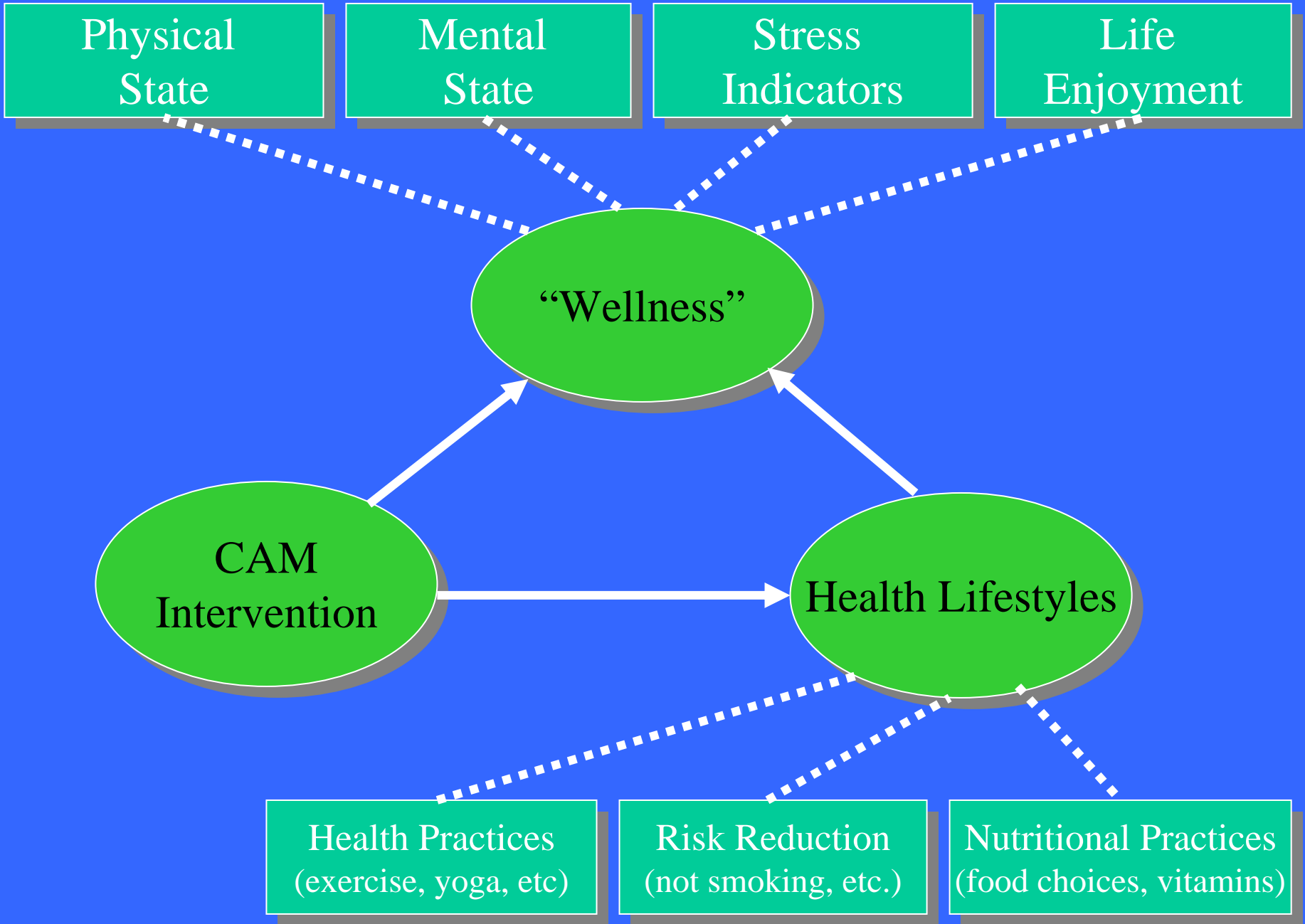
# wellness scale (mean) before and presently



# Structural Equation Modeling:







# Duration of care effects:

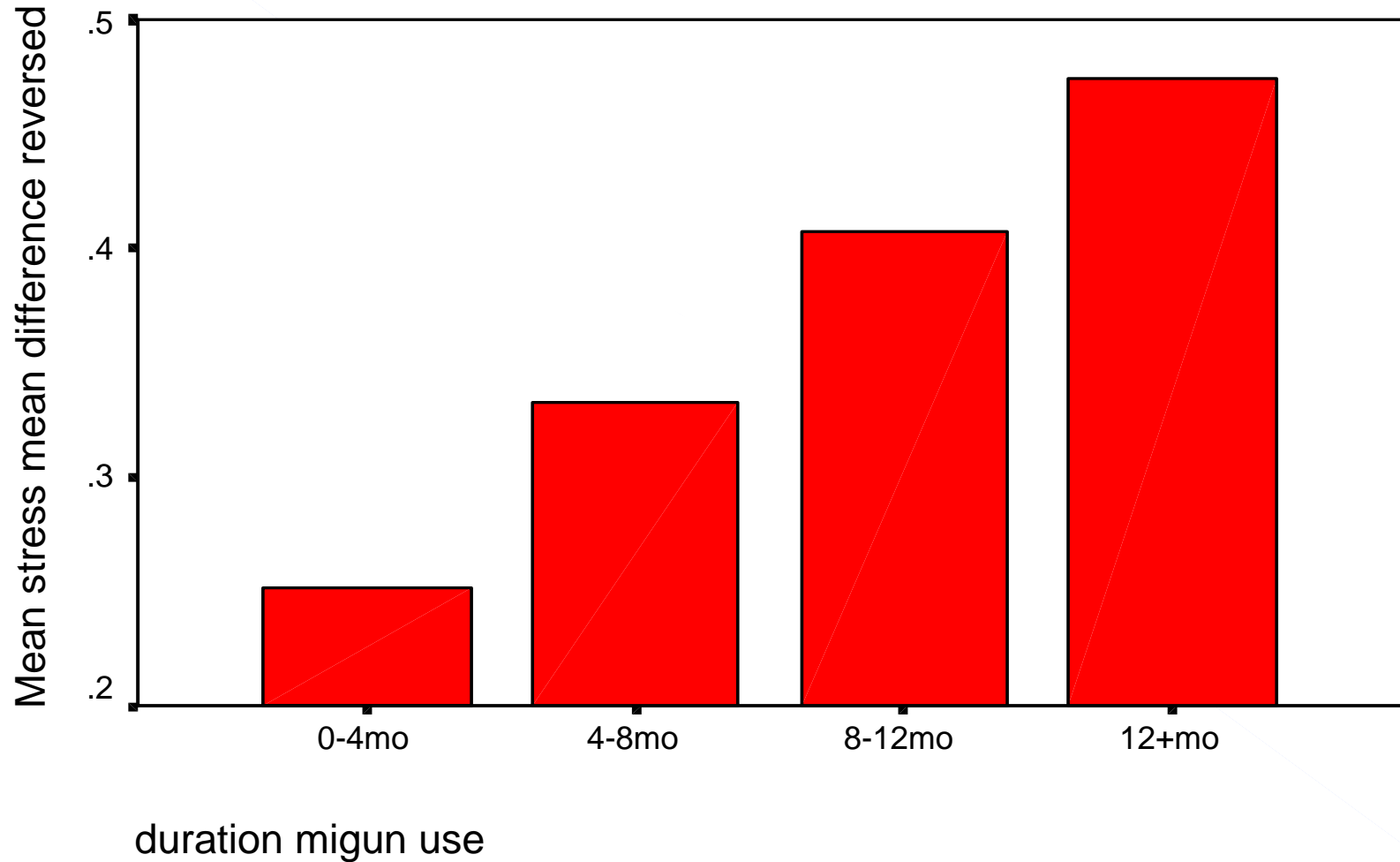
The important question.....

Does a person continue to show improvement in self-reported health and wellness with continued use of Migun stimulator beds?

The data say YES.... For all but one indicator.

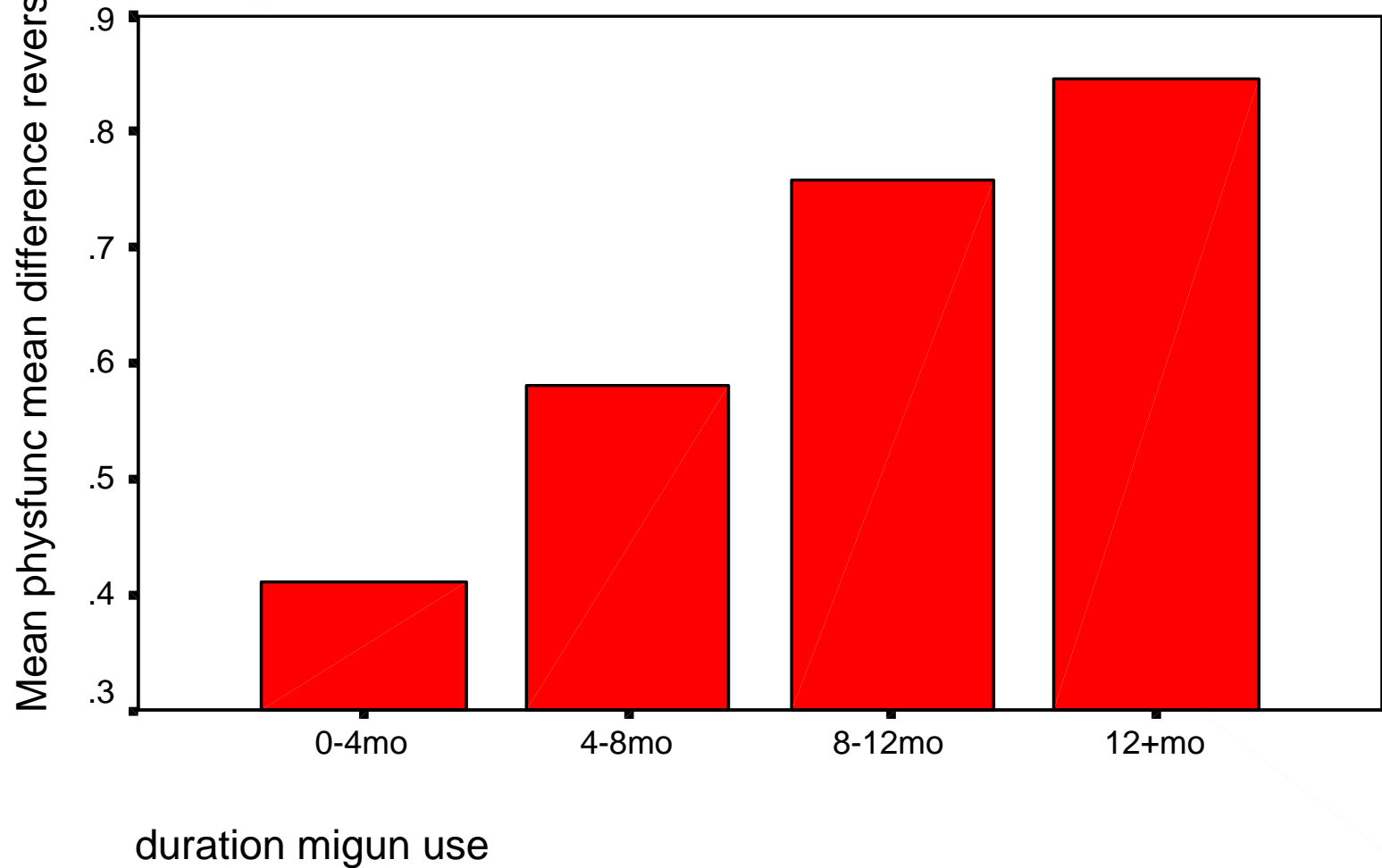
# Stress Evaluation <difference score>

## By Duration of Migun Use



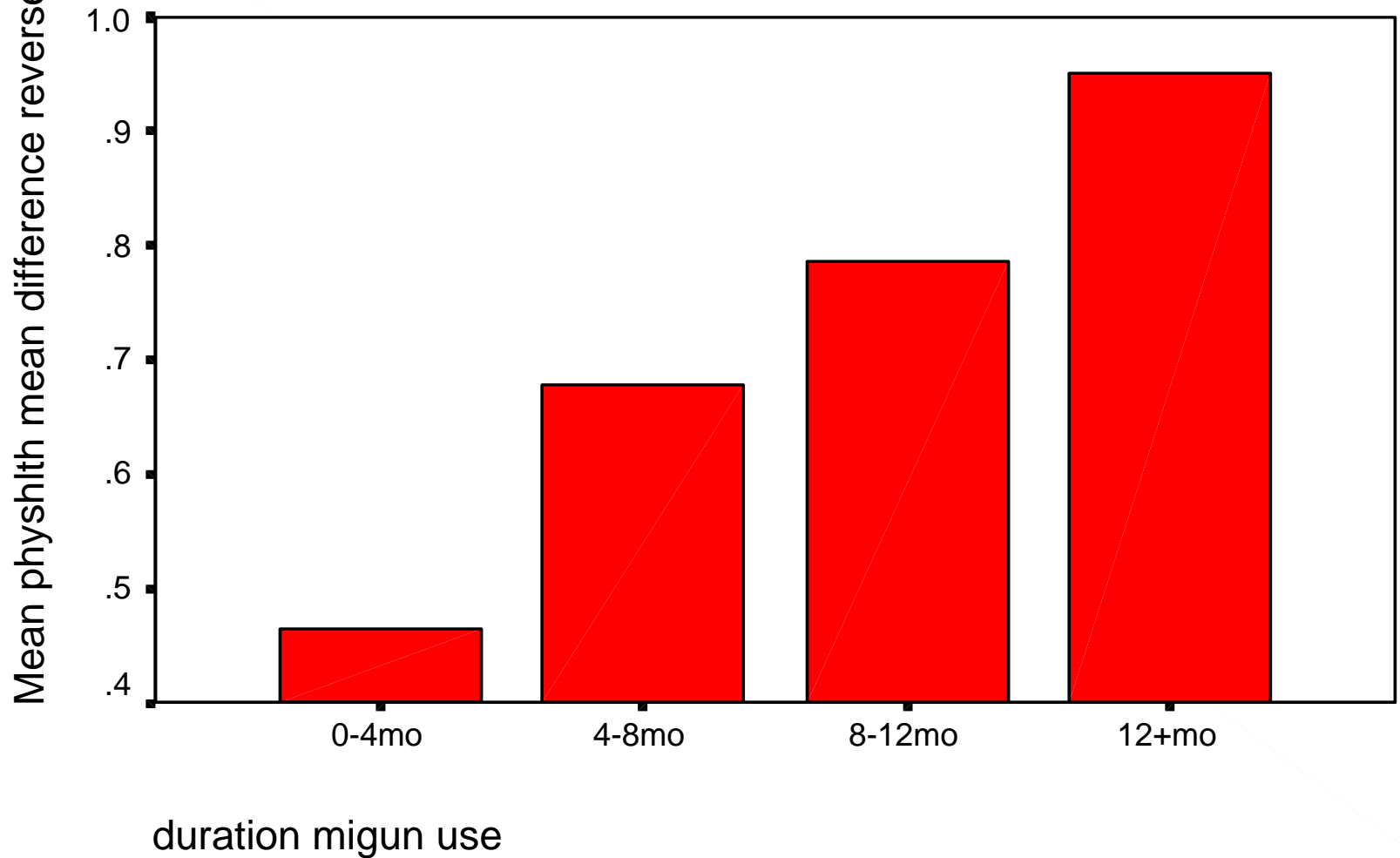
# Physical Functioning <difference score>

## By Duration of Migun Use



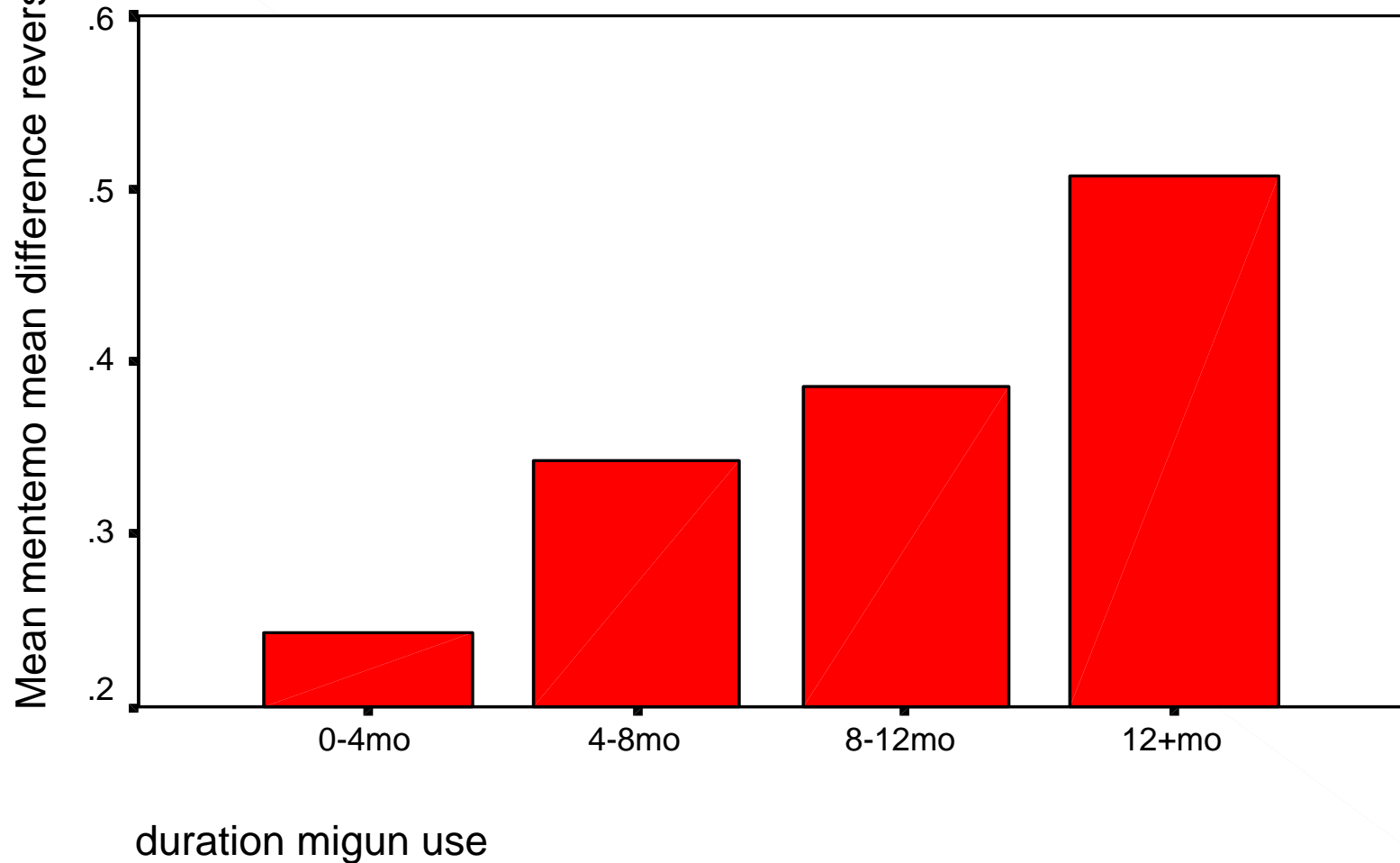
# Physical Health <difference score>

## By Duration of Migun Use



# Mental/Emotional Health <difference score>

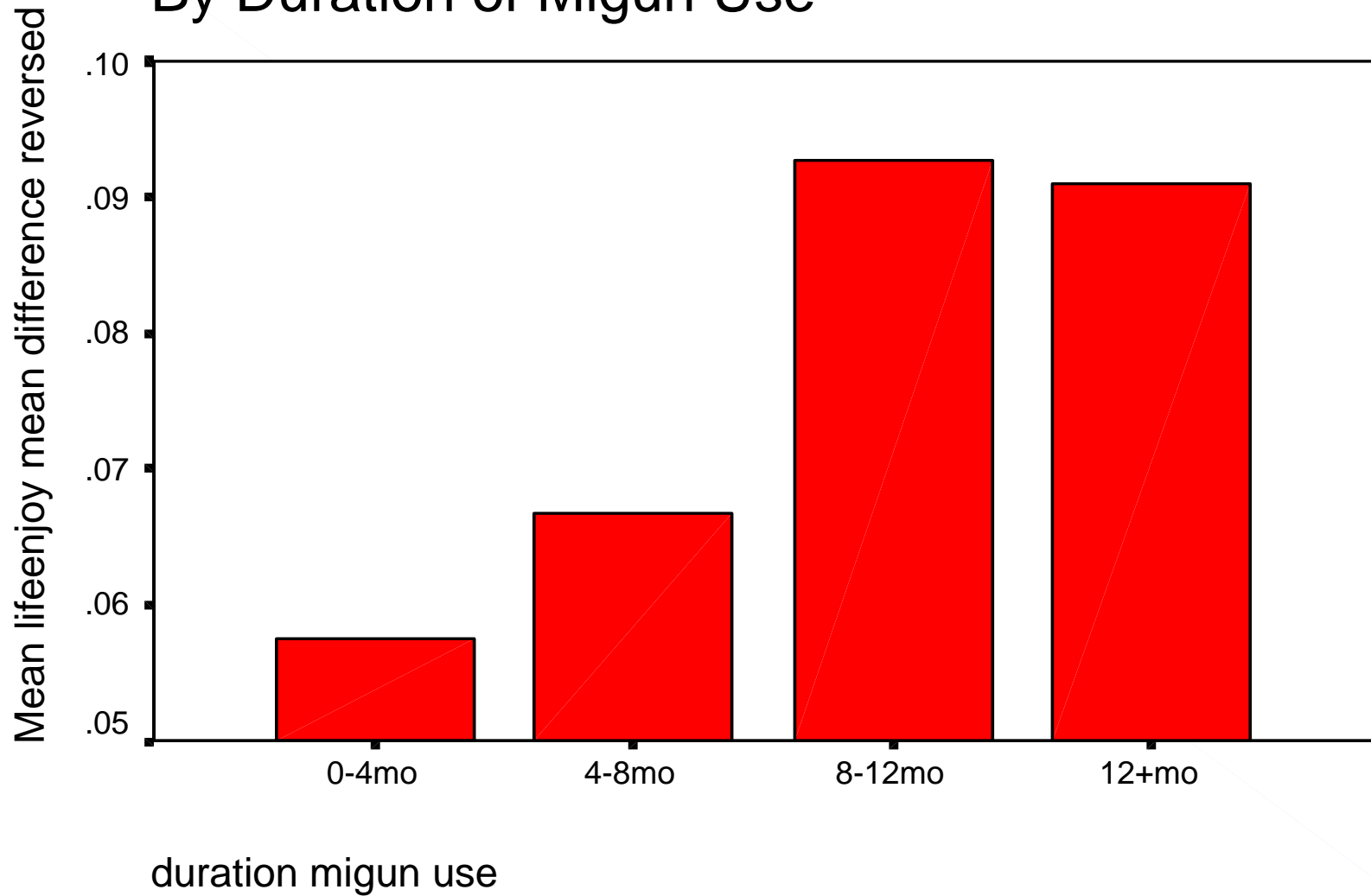
## By Duration of Migun Use





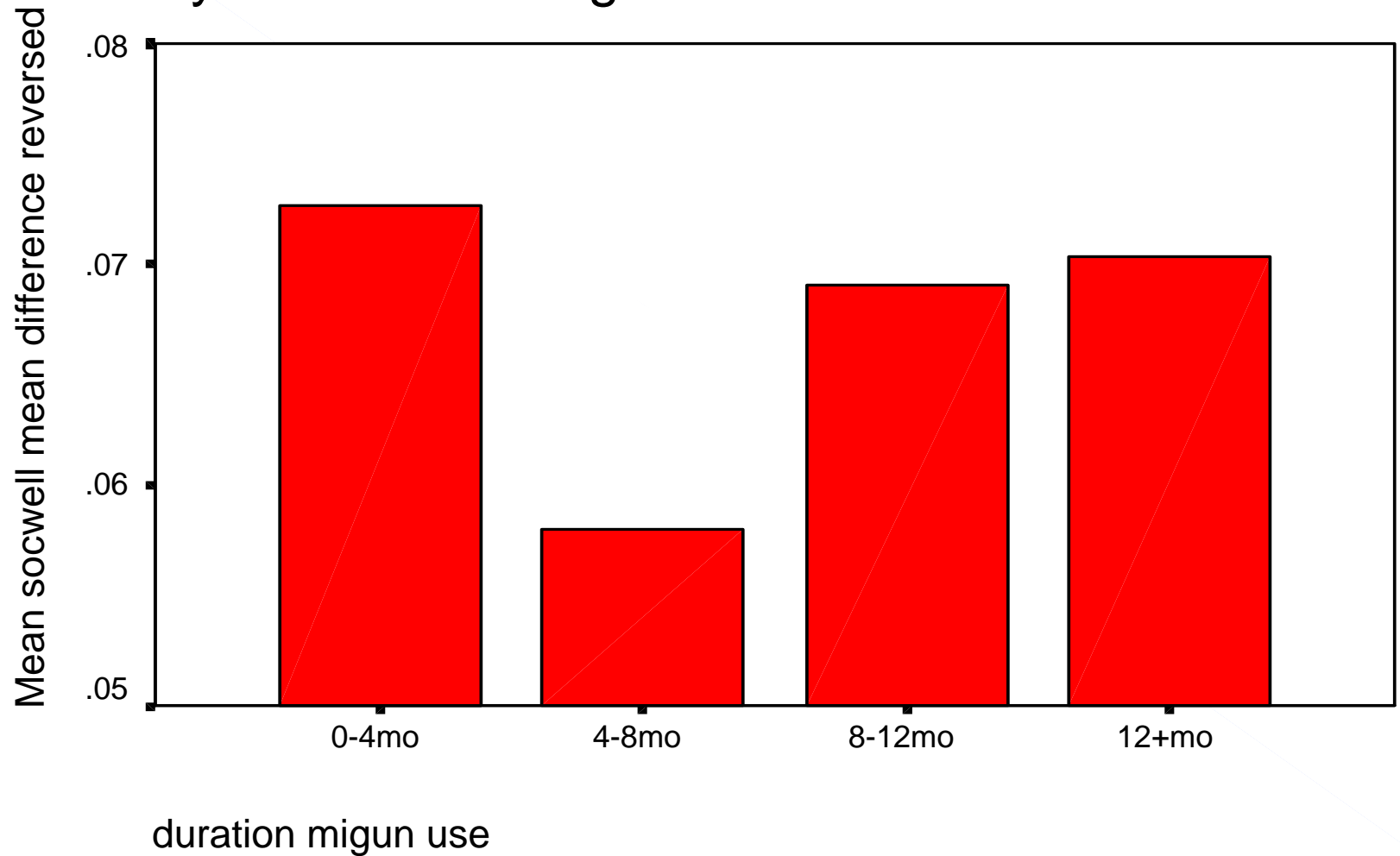
# Life Enjoyment <difference score>

## By Duration of Migun Use



# Social Well-Being <difference score>

## By Duration of Migun Use



## Conclusions:

The regular use of Migun Stimulator Beds is associated with significant improvement in all self-reported domains of health measured, including 1) stress evaluation, 2) physical functioning, 3) physical state, 4) mental and emotional state, 5) life enjoyment, and 6 ) social well-being.

Moreover, the positive health and wellness benefits of Migun technology appear to increase with continued use and generally show no upper limit.

# The Client Survey

- Measures health effects
- Assess initial reactions
- Measures user satisfaction

# Health Effects (told to patient by doctor):

	% of Population	Has Migun been helpful?		
		yes	no	don't know
Nervous system conditions	34	79	7	14
Skin, muscle and bone conditions	25	77	9	14
Heart and circulatory conditions	21	79	6	15
Digestive conditions (stomach, etc.)	21	82	7	10
Respiratory system (lung, etc.)	20	81	7	12
Genital and Urinary tract systems	15	83	6	11
Endocrine or metabolic conditions	11	80	8	13
Other (tinnitus, cancer, AD)	6	74	10	16
	<b>Mean</b>	<b>80%</b>	<b>7%</b>	<b>13%</b>

# Health Effects (reported by patient):

	% of Population	Has Migun been helpful?		
		yes	no	don't know
Poor blood circulation	59	84	5	10
Muscle cramps	41	86	4	10
Frequent indigestion	47	87	5	8
Frequent constipation/diarrhea	23	86	4	10
Colds and flu	48	87	3	10
Headaches (migraine or other)	47	85	5	10
Insomnia	39	86	5	9
Nervousness/ anxiety	37	83	5	11
Memory loss/ absent mindedness	<u>2</u>	<u>81</u>	<u>5</u>	<u>14</u>
	<b>mean</b>	<b>85%</b>	<b>5%</b>	<b>10%</b>



# User satisfaction:

15. How satisfied are you with your Migun Stimulator bed experience (n = 2409)?

Extremely satisfied	62%
Somewhat satisfied	34%
Neither Satisfied nor dissatisfied	4%
Somewhat dissatisfied	0%
Extremely dissatisfied	0%

# User satisfaction:

21. If you have bought, or are considering buying a Migun bed, how important are the following reasons in making your decisions?

	very/somewhat important (%)	not important (%)
I can use it as many times as I like	98	2
I can use it whenever I like	99	1
I was told it was really worth it	92	7
There are several people in my family using it	78	22
I purchased it for my parents to show respect	54	46
My child/children bought it for me	46	54
Many of my relatives and friends bought it	46	54
Other reasons to buy	25	75

# User satisfaction:

24. How likely are you to recommend Migun Stimulator beds to your friends and relatives (n = 2324)?

Very likely	80%
Somewhat likely	19%
Somewhat unlikely	1%
very unlikely	0%

17. Where do you use Migun Stimulator beds (n = 2429)?

Migun demonstration center	71%
Home or workplace	25%
Friends or relatives house	0%

# User satisfaction:

16. How did you hear about Migun Stimulator beds (n = 2421)?

Friends or neighbors	68%
Family member or relative	29%
Television	1%
Local newspapers	0.3%
Magazine	0.3%
Radio	0.25%
Internet	0.12%
Other	1%

## Conclusions:

The regular use of Migun stimulator beds is associated with:

- High incidence (ca. 80%) of health and wellness benefits as reported across a wide variety of diseases and symptoms.
- Several types of initial reactions ( e.g., mild dizziness, pain, rashes, etc.). These are generally mild in severity and resolve within several weeks of continued use.
- The customer satisfaction rate for Migun use is extremely high (96%), and 99% recommend the technology to their friends and relatives.