

Abstract 22992:

Effectiveness of Peer Support on
Limb-Loss Survivor
Recovery and Empowerment
in
Post-Conflict Settings



**SURVIVOR
CORPS**
RISE ABOVE. GIVE BACK.

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Monday, November 8, 2010, 2:30 PM-4:00 PM

Session 3304.0, Mental health and disability

Presenter Disclosures

<Melissa Freeman>

- (1) The following personal financial relationships with commercial interests relevant to this presentation existed during the past 12 months:

No relationships to disclose

Overview

- 🔥 Problems/Barriers/Obstacles
- 🔥 Conceptual Framework– LSN/SC
- 🔥 The Program
- 🔥 M&E System
- 🔥 Methods
- 🔥 Results
- 🔥 Conclusions

PROBLEMS

BARRIERS

OBSTACLES



Landmine & Limb-Loss Survivors (Post-Conflict Countries)

- 🔥 Physical disabilities
- 🔥 Psychological trauma
- 🔥 Psychosocial opposition
- 🔥 Access to assistive devices/health services
- 🔥 Disrupted economic systems

CONCEPTUAL FRAMEWORK

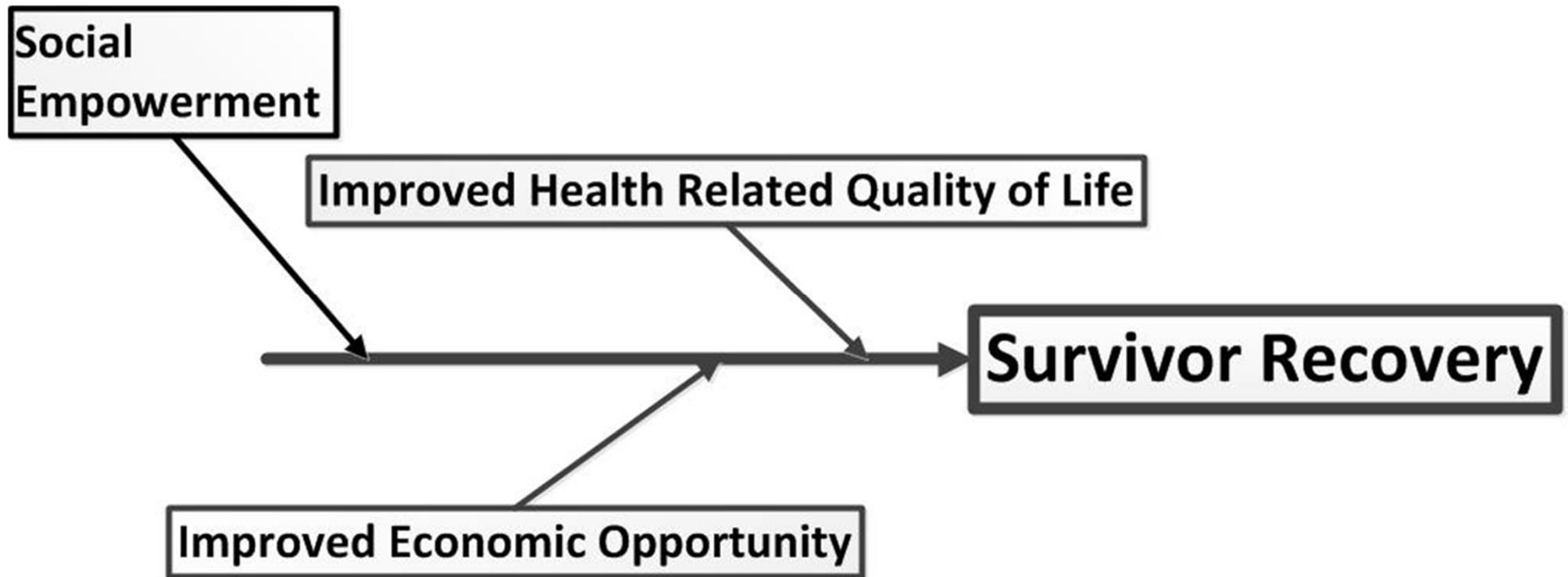


Jose Melgar Maravilla
Amputee Soccer World Cup Champion, 1987

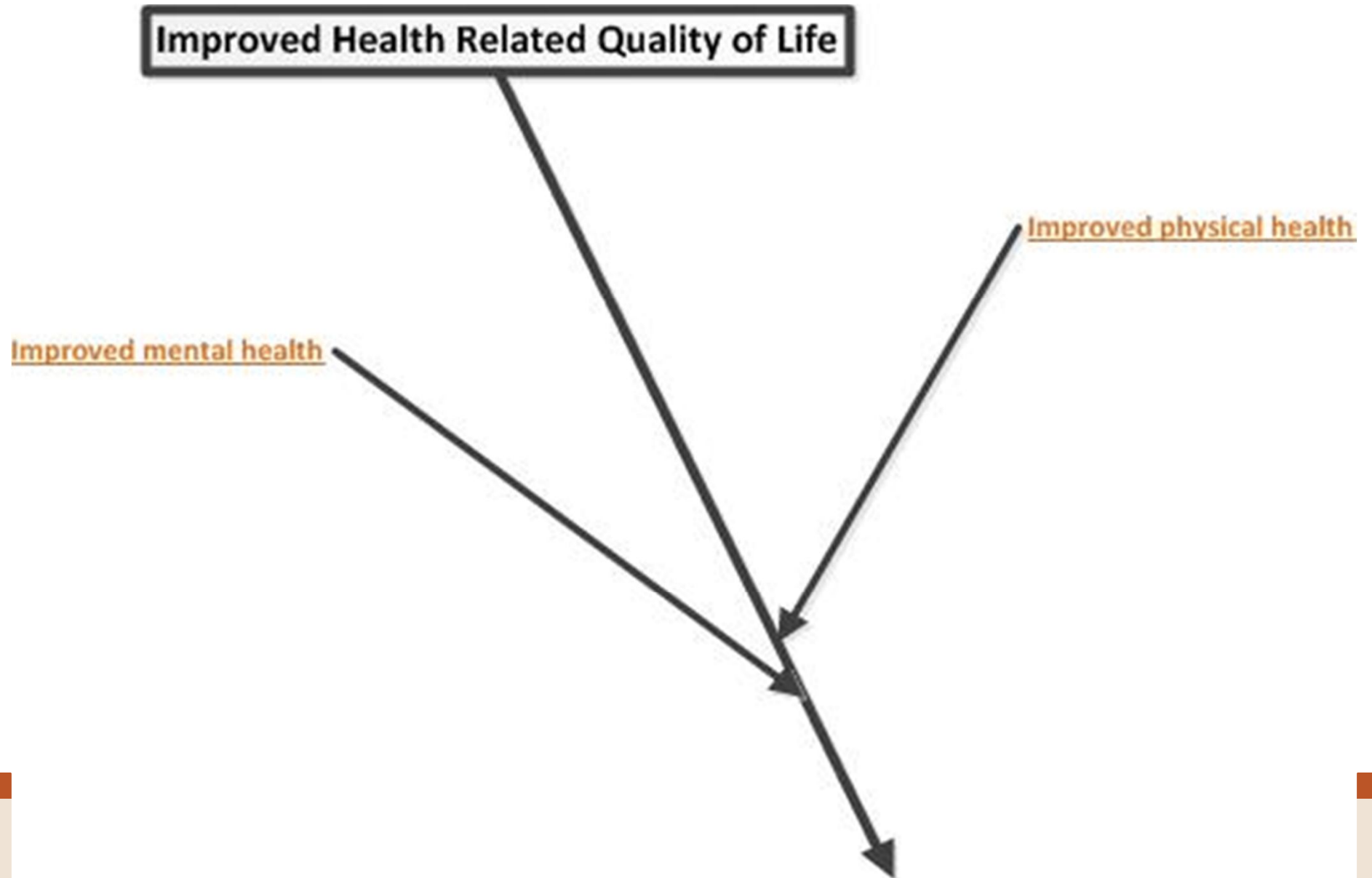
Landmine Survivors Network (LSN)



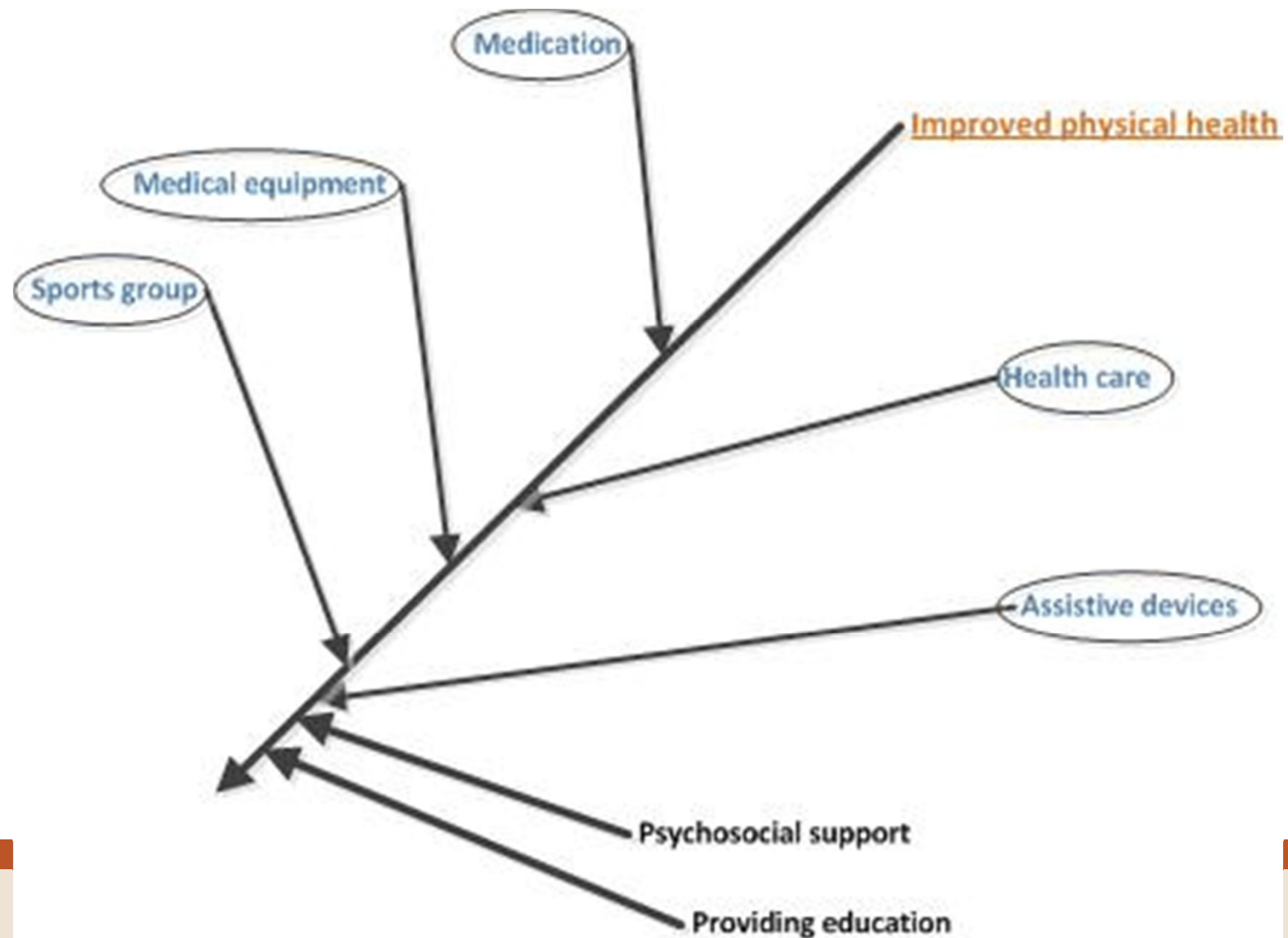
LSN Program Framework



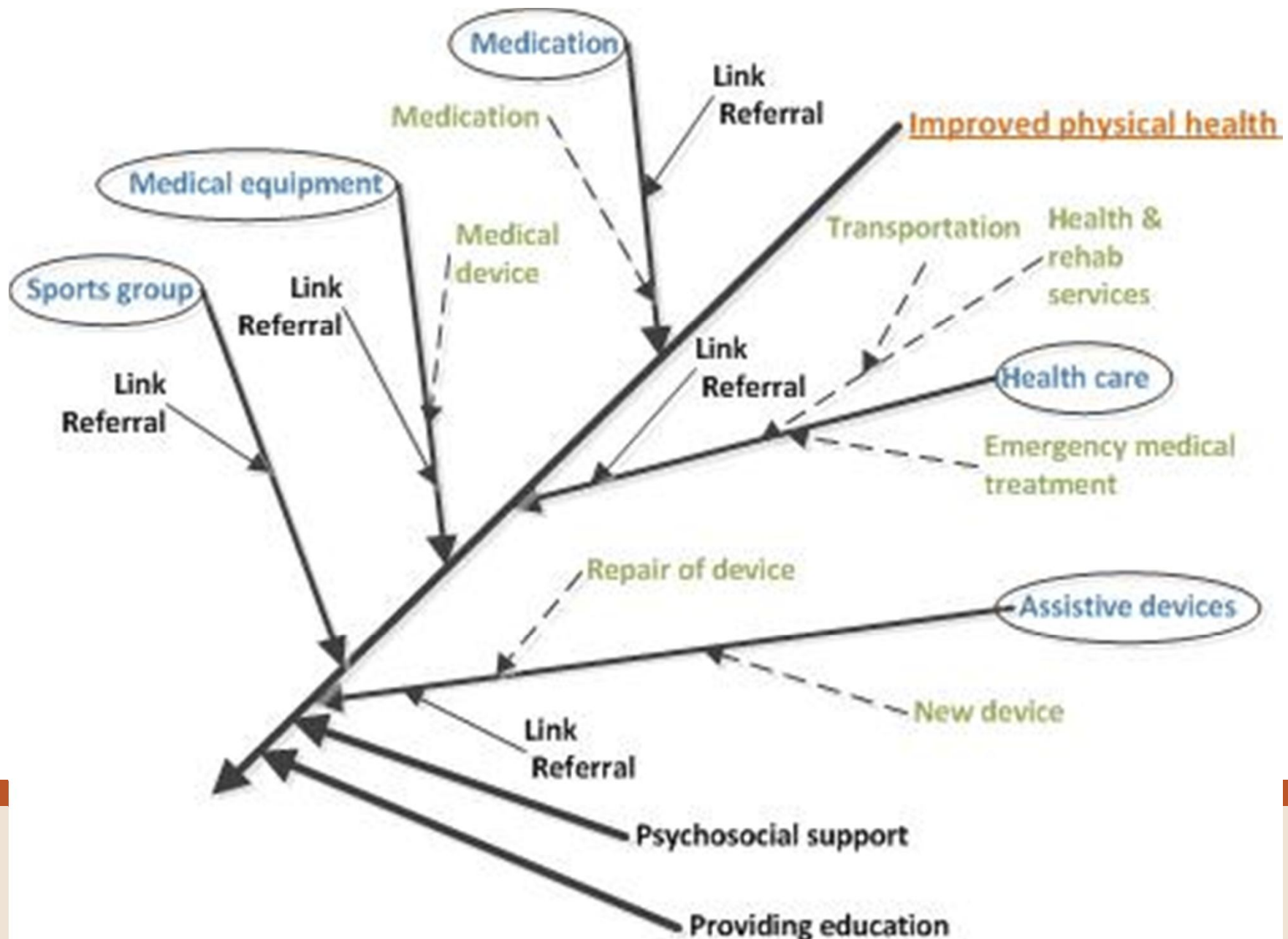
LSN Program Framework: Health



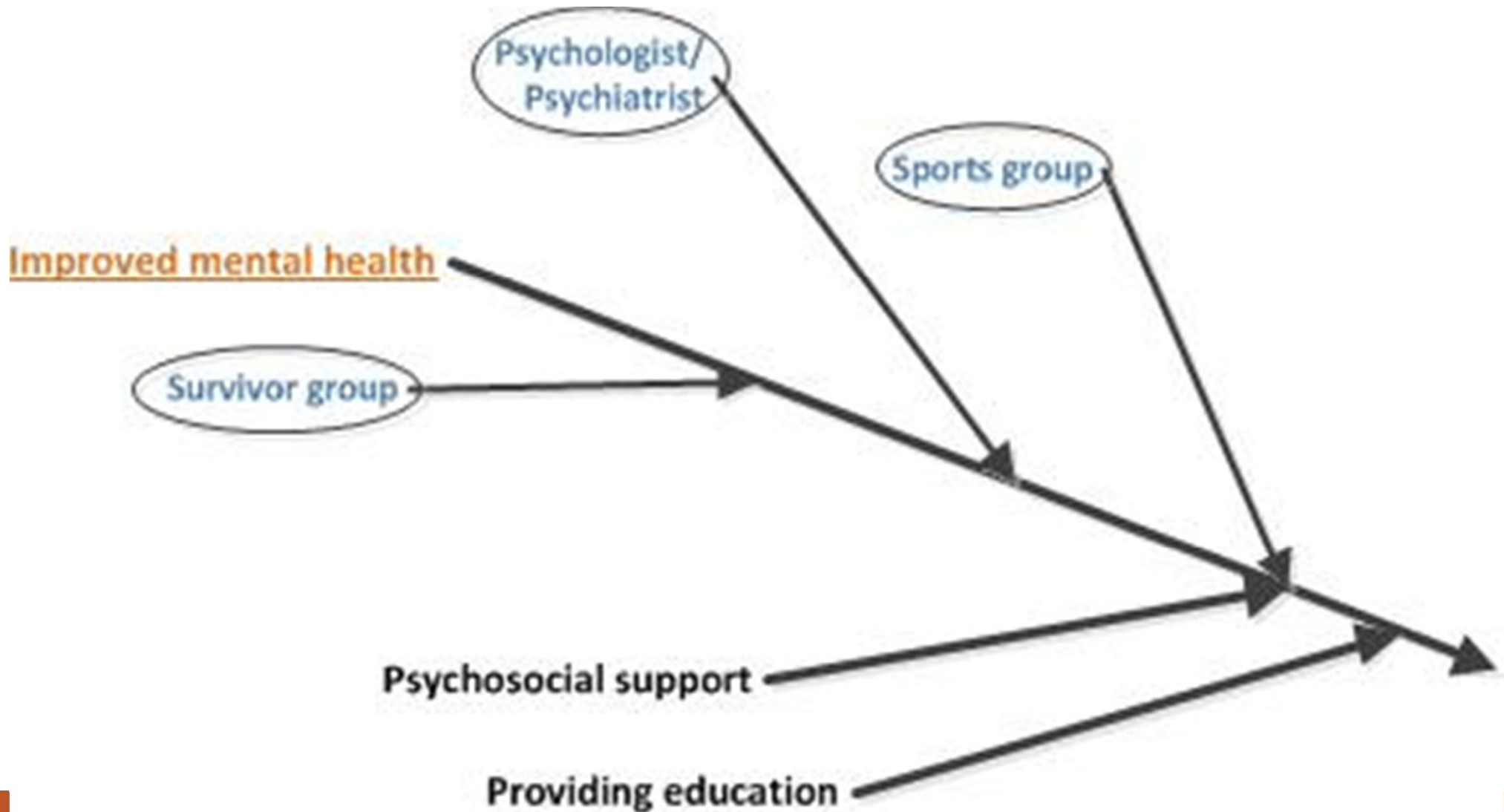
LSN Program Framework: Health



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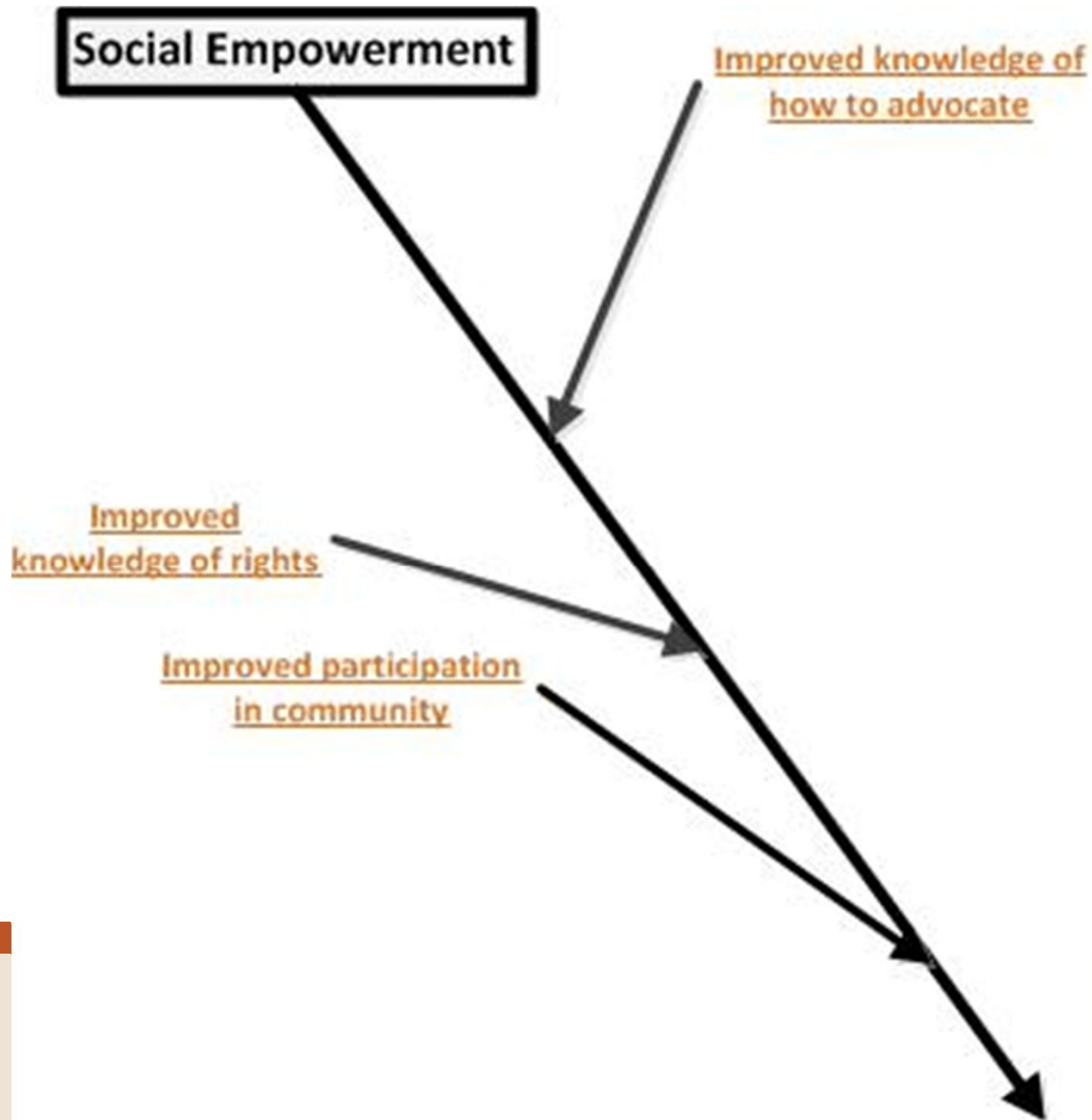
LSN Program Framework: Health



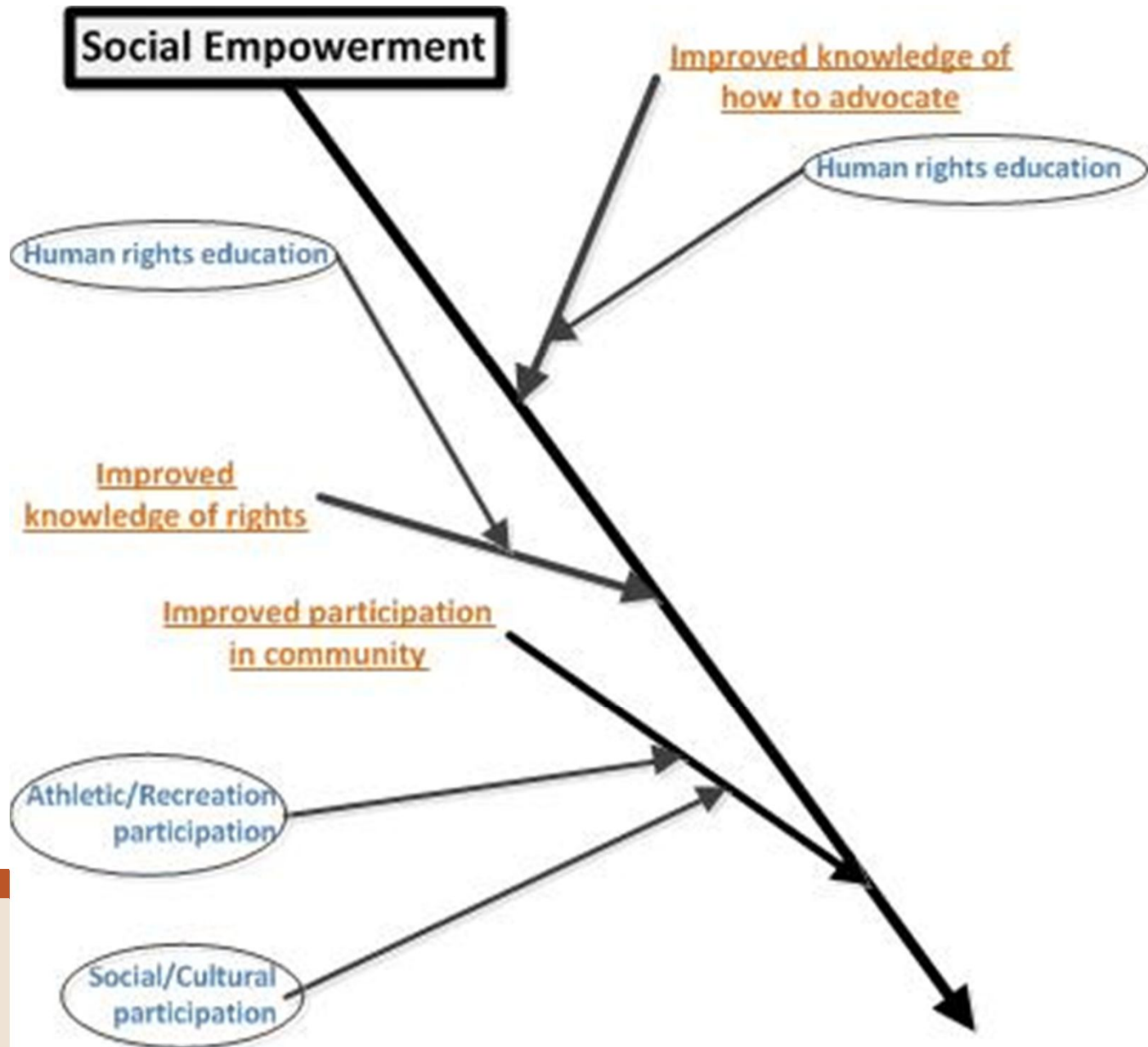
LSN Program Framework: Health



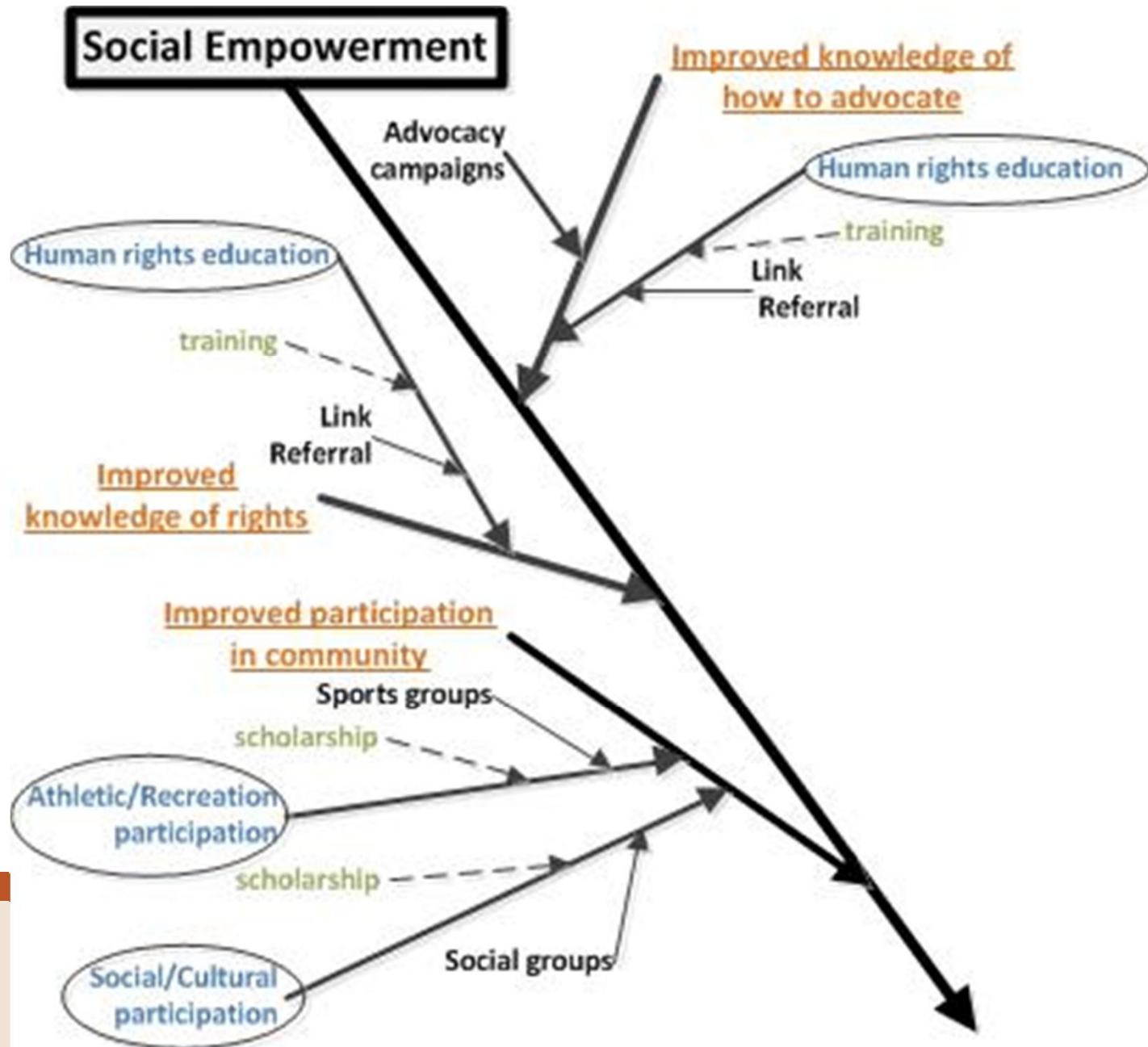
LSN Program Framework: SE



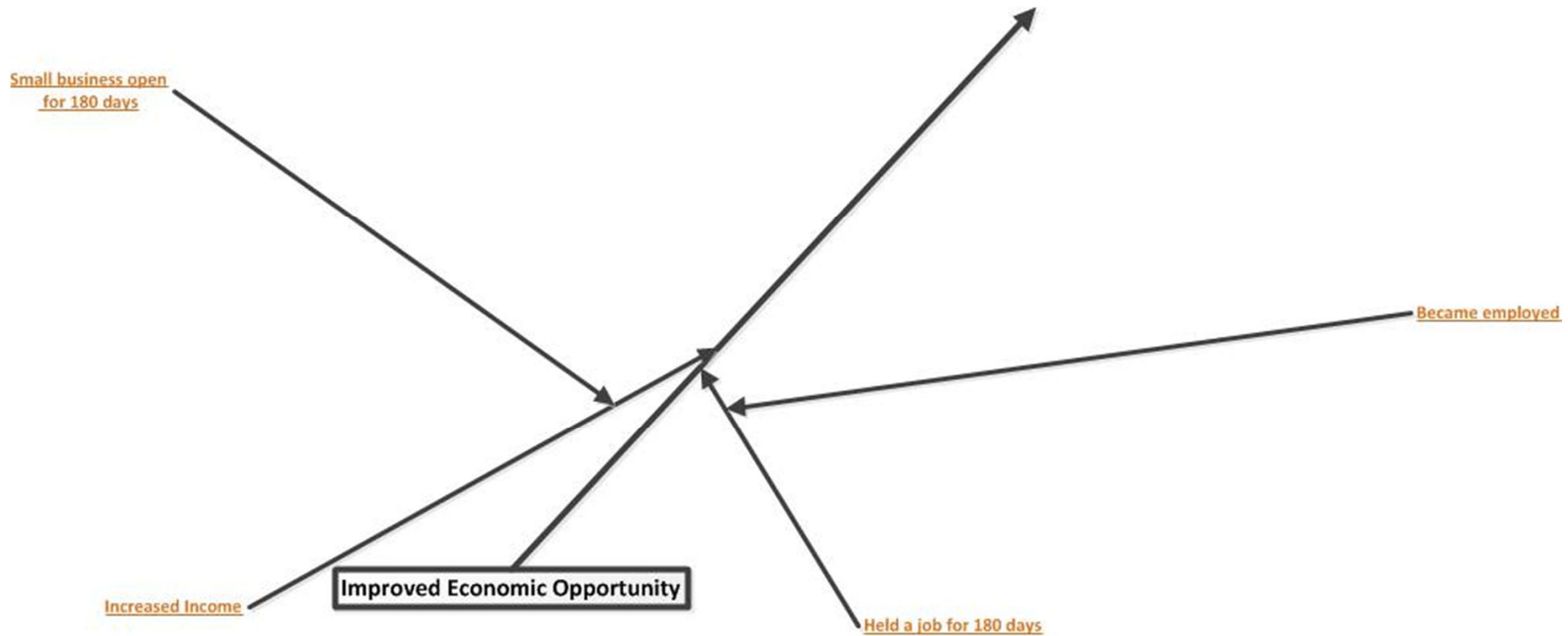
LSN Program Framework: SE



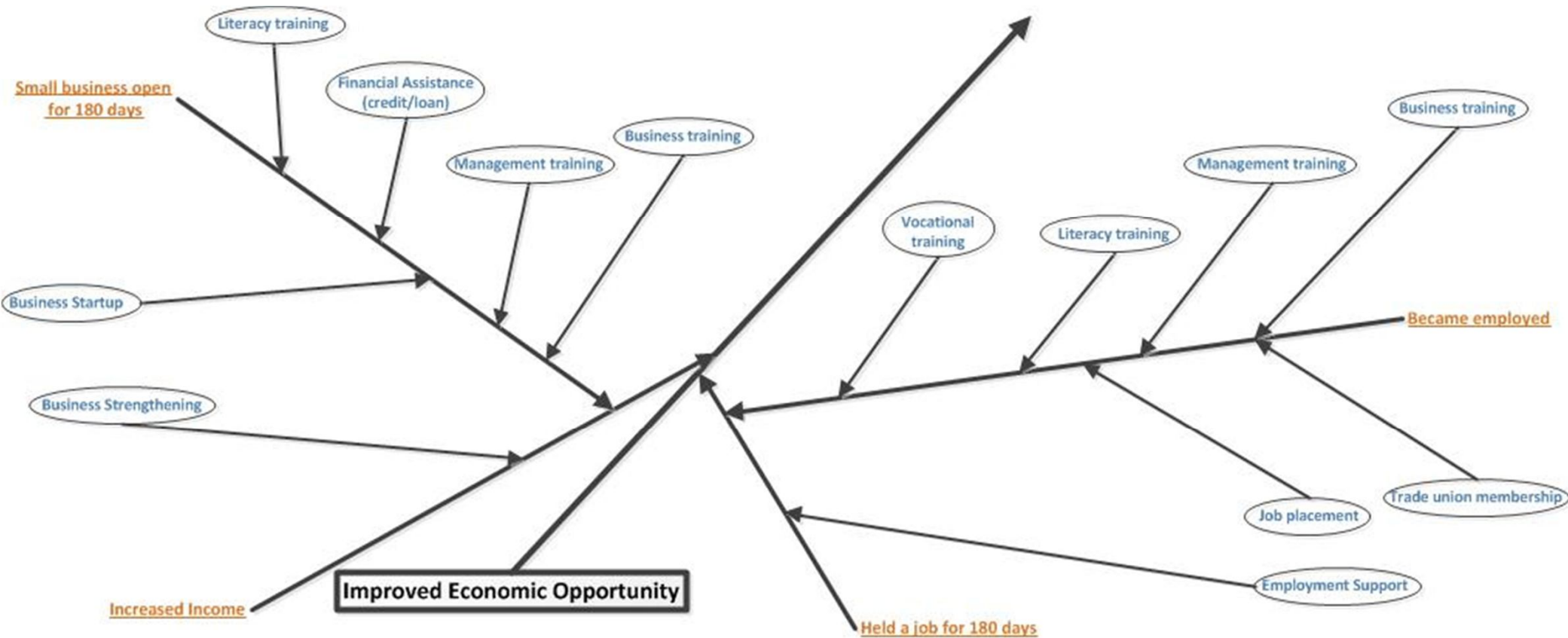
LSN Program Framework: SE



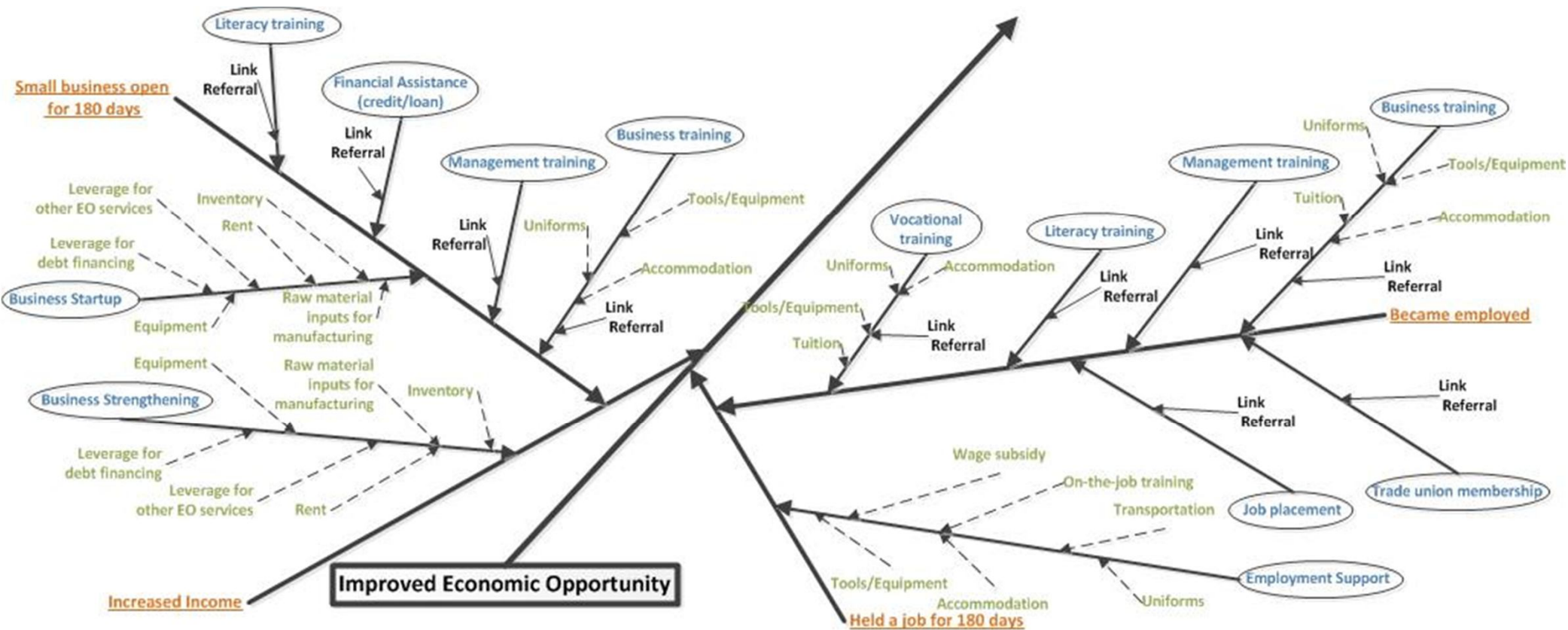
LSN Program Framework: EO



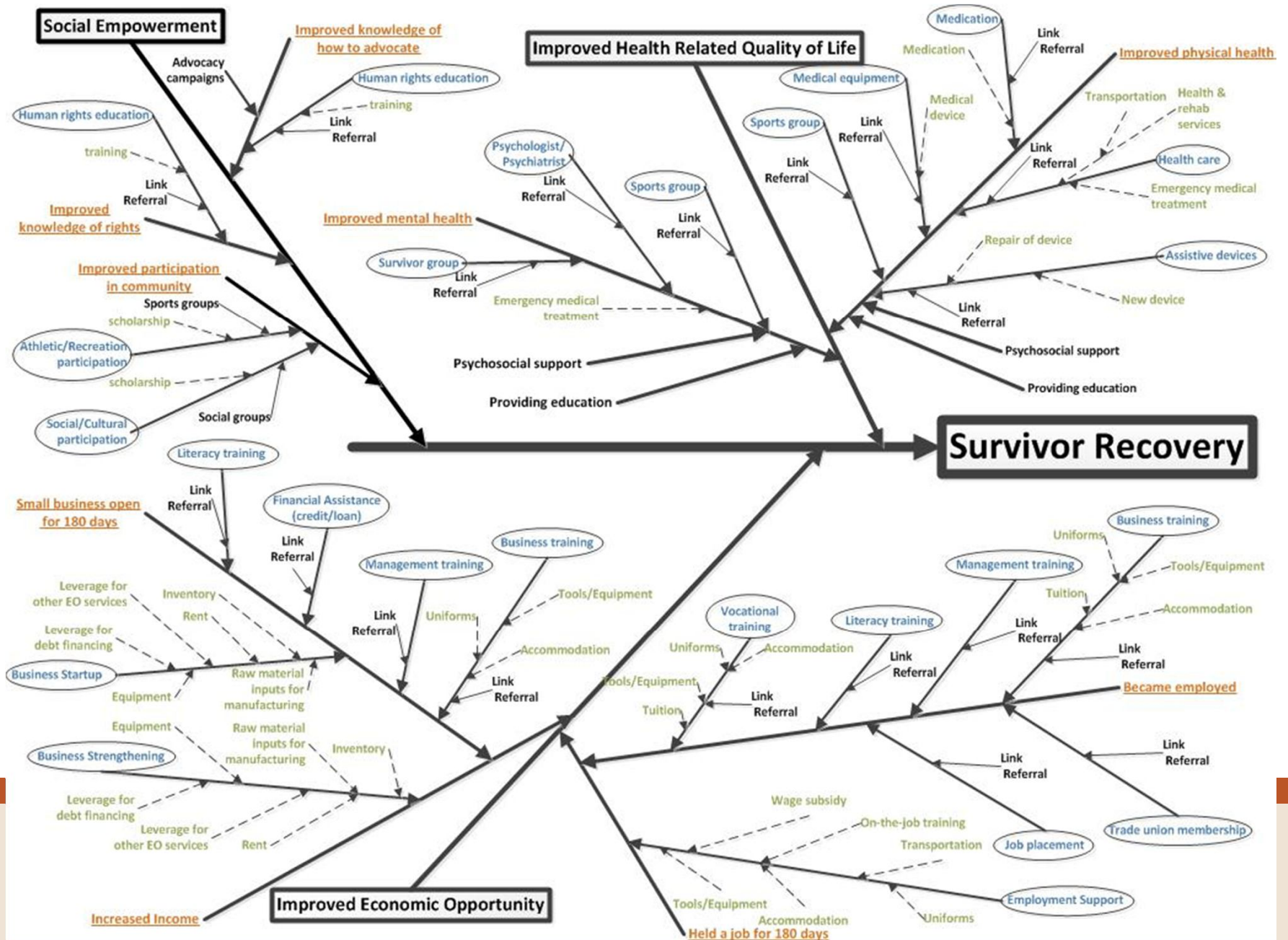
LSN Program Framework: EO



LSN Program Framework: EO



LSN Program Framework



THE PROGRAMS



Human Rights Based Approach

- 🔥 Empowerment underlies everything
- 🔥 IRAP – Individual Recovery Action Plan
 - 🔥 Survivor sets objectives for his/her recovery
 - 🔥 Increased responsibility over time
 - 🔥 Based on 3 sector approach
 - 🔥 Center-point of the entire program
- 🔥 Outreach Workers – trained peers

Basic Components

- 🔥 Psychosocial support
- 🔥 Home/Hospital based visits
- 🔥 Support groups
- 🔥 Links/Referrals
- 🔥 Direct Assistance Grants
- 🔥 Education/Learning materials



M&E SYSTEM

M&E System

- 🔥 Built in collaboration with stakeholders
- 🔥 Paper-based forms
- 🔥 Computerized database
- 🔥 Standardized reports
- 🔥 Outcomes based

M&E System

- 🔥 Founded on 3 main components:
 - 🔥 Health
 - 🔥 Economic Opportunity (EO)
 - 🔥 Social Empowerment (SE)
- 🔥 Focused on assisting OW/Survivor to set IRAP Objectives



METHODS

Methods

🔥 Groups for comparisons:

🔥 Initial – Interim

🔥 Initial – Exit

🔥 SF-36© v. 2

🔥 8 domains

🔥 2 summary scores

Methods: Continued

- 🔥 Social Empowerment:
 - 🔥 Knowledge of how to advocate
 - 🔥 Knowledge of rights
 - 🔥 Participation in community



DEMOGRAPHICS

Age & Sex of Survivors

Age	Number of Survivors
0-17 years	20
18-29 years	41
30-39 years	68
40-49 years	103
50-59 years	96
>60 years	142

Sex	Number of Survivors
Male	362
Female	108

Distribution of Survivors by Cause of Injury

Cause of Injury/Paralysis/Amputation	Number of Survivors
Landmine/UXO	256
Diabetes	91
Other Illness/Infection/Disease	20
Accident	53
Act of Violence	7
Other	43

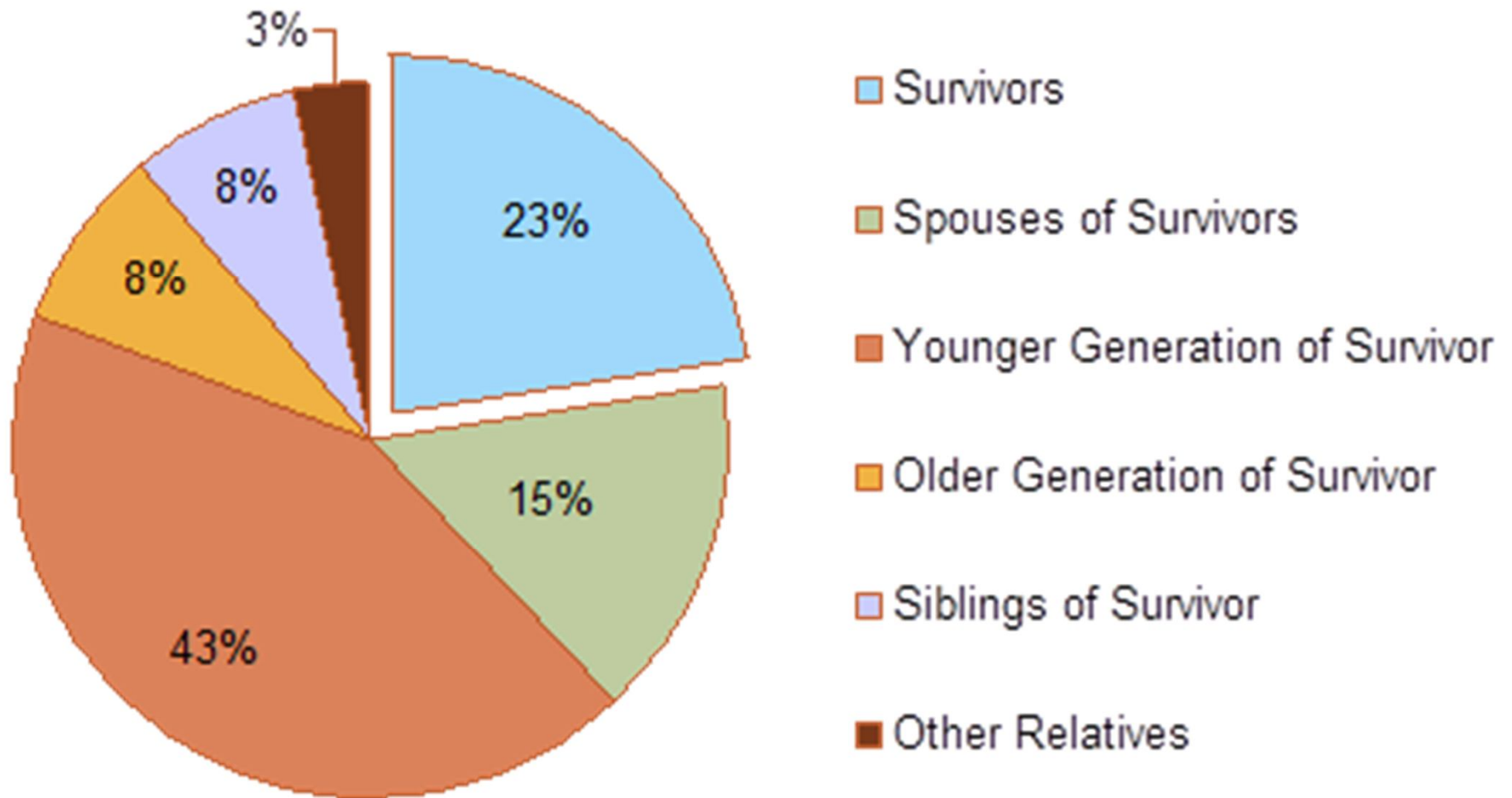
Distribution of Survivors by Country

Country	Number of Survivors
Bosnia & Herzegovina	77
El Salvador	84
Ethiopia	27
Iraq	47
Jordan	121
Vietnam	114

Distribution of Survivors by # of Limb Amputations

Number of Limb Amputations	Number of Survivors
0	125
1	300
2	45

Household Composition

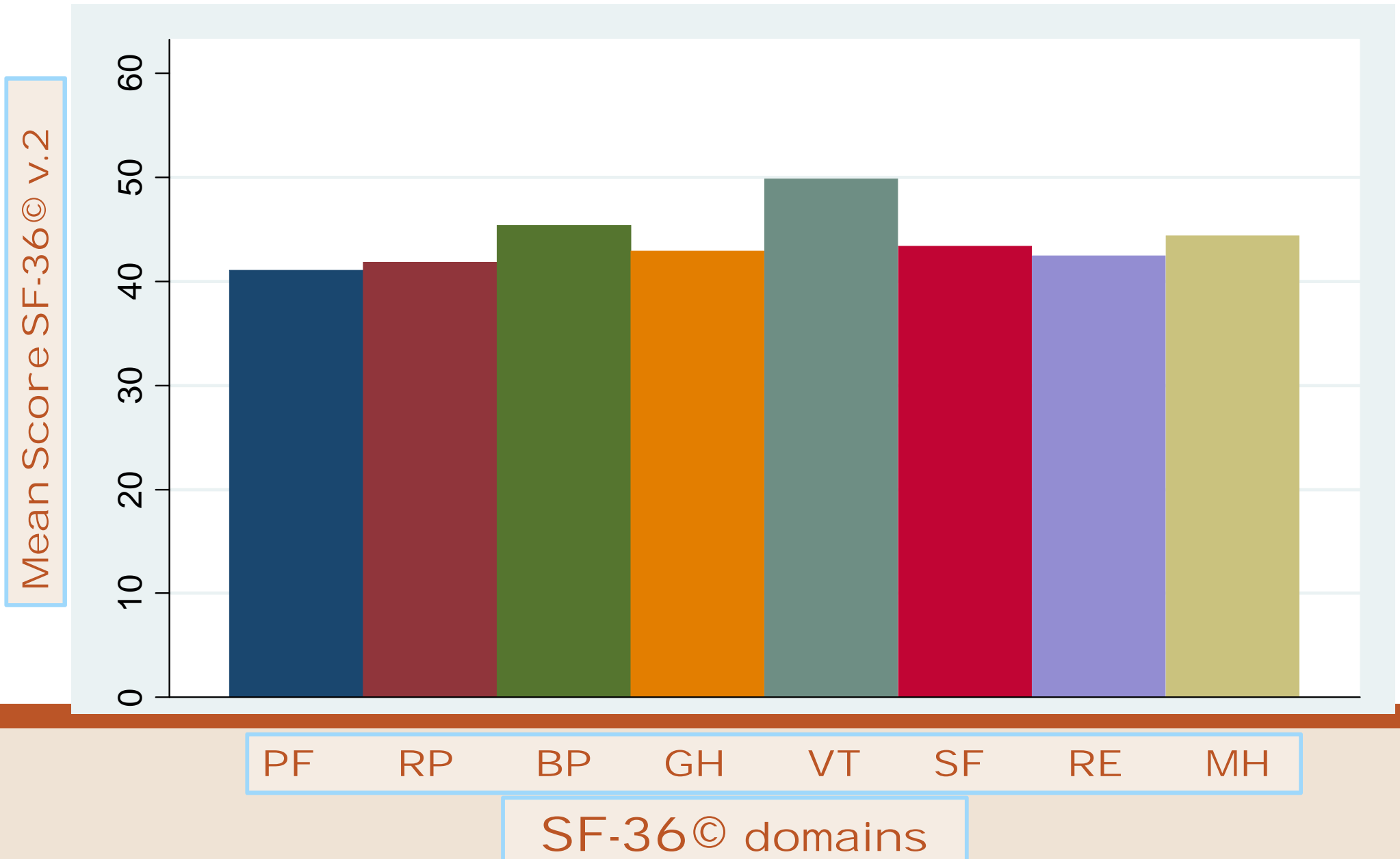


(N=1532 Survivors, 6738 total household members)

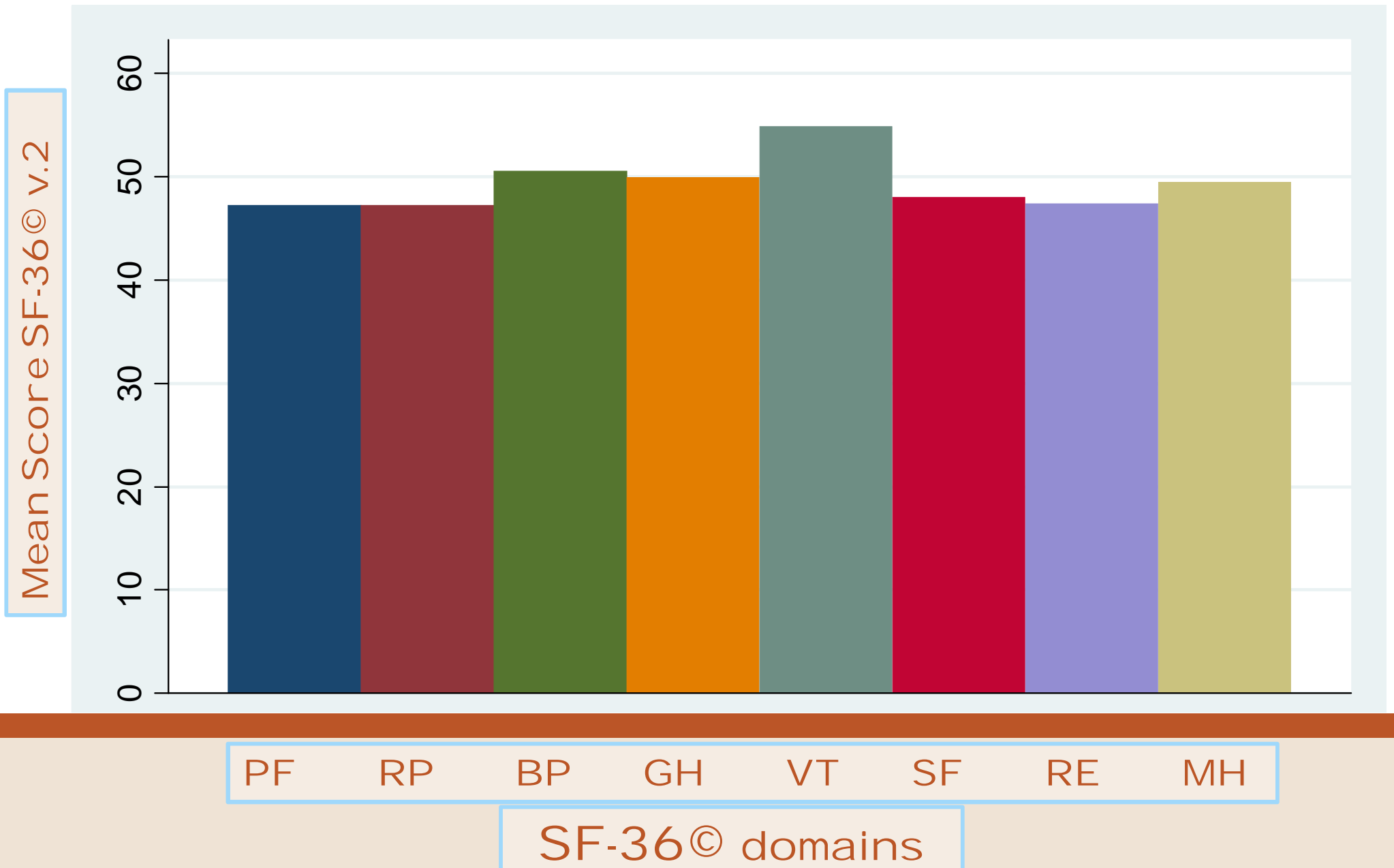
RESULTS: HEALTH



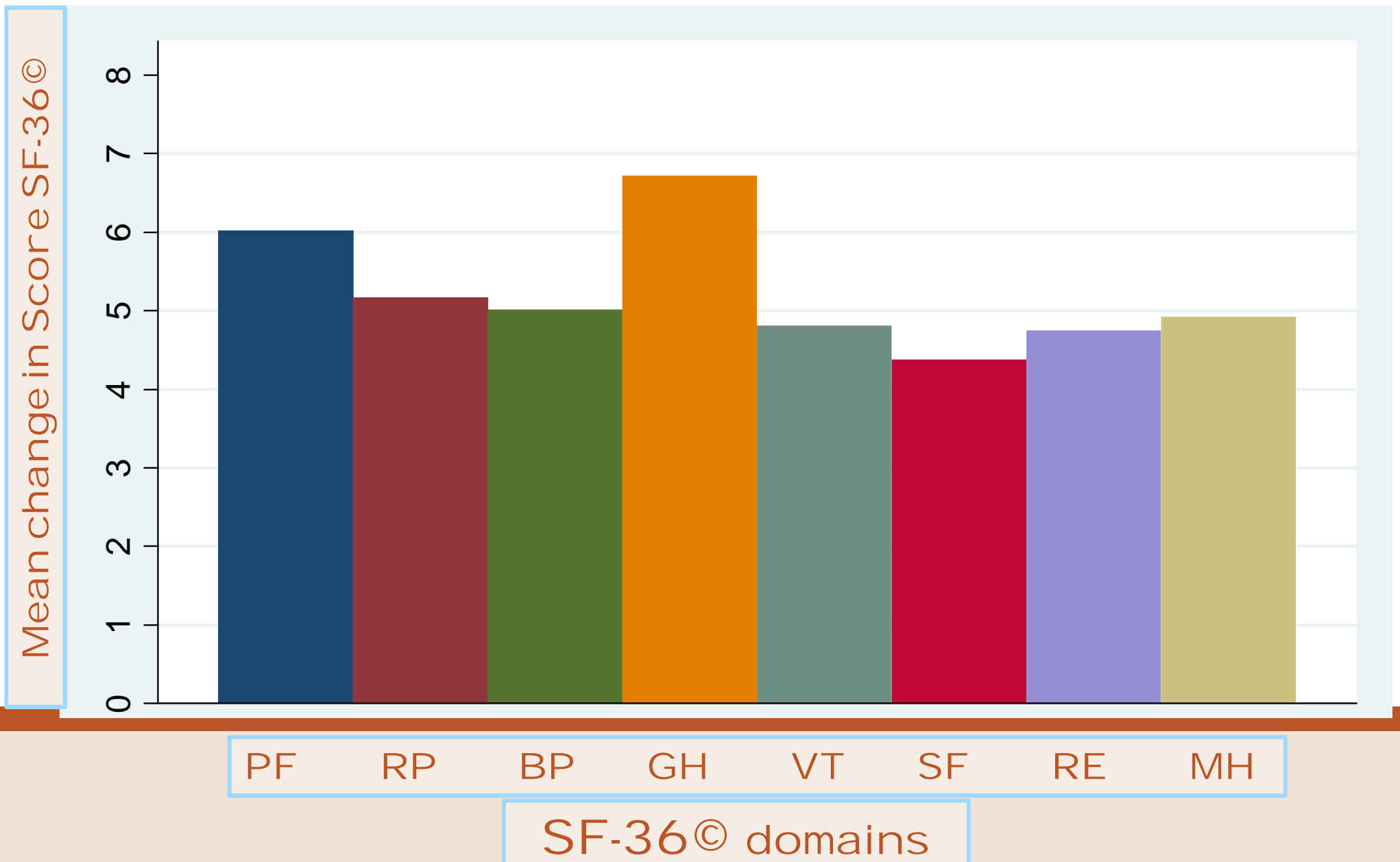
Mean SF-36 Domain scores (Initial)



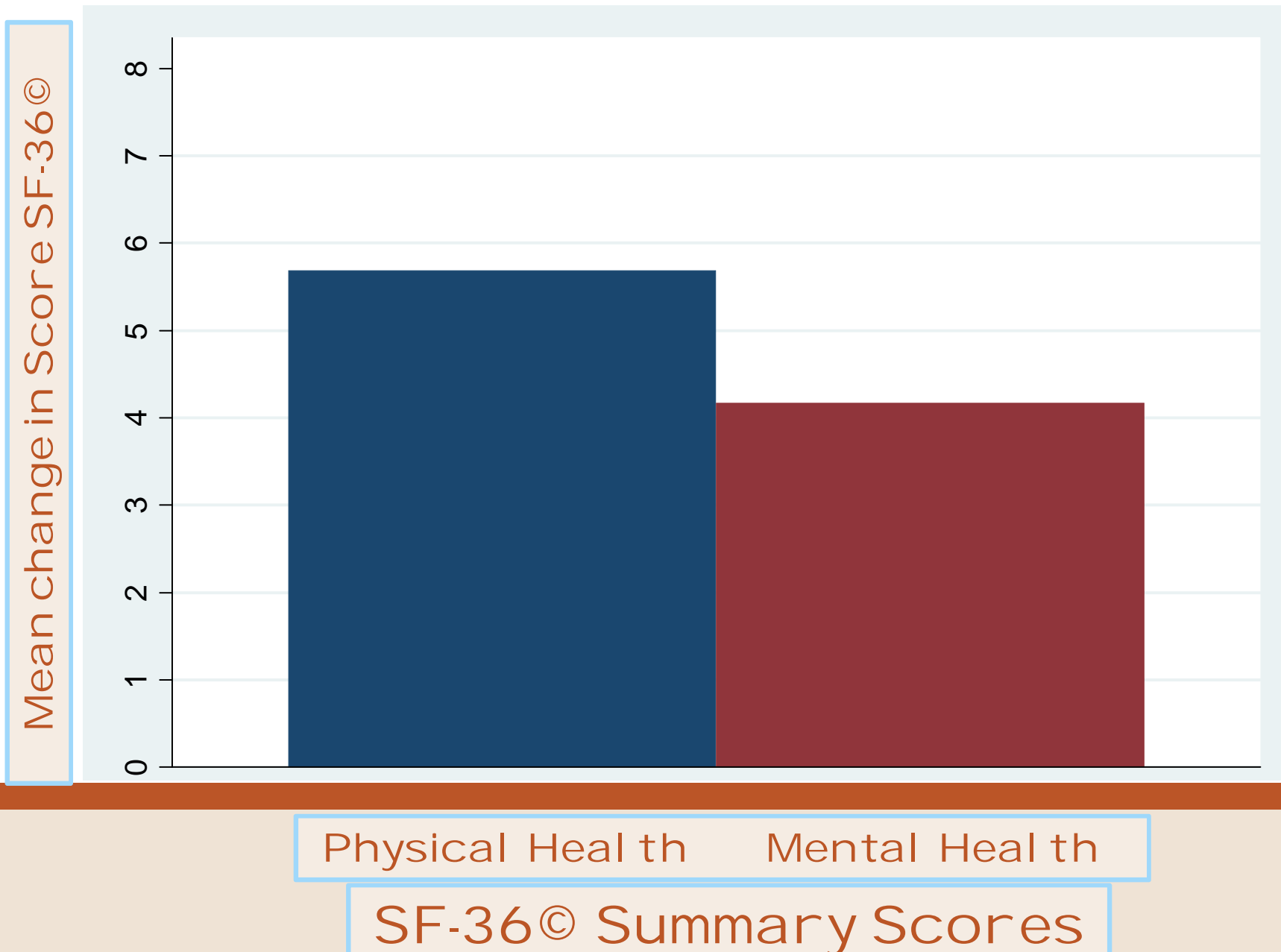
Mean SF-36 Domain scores (Interim)



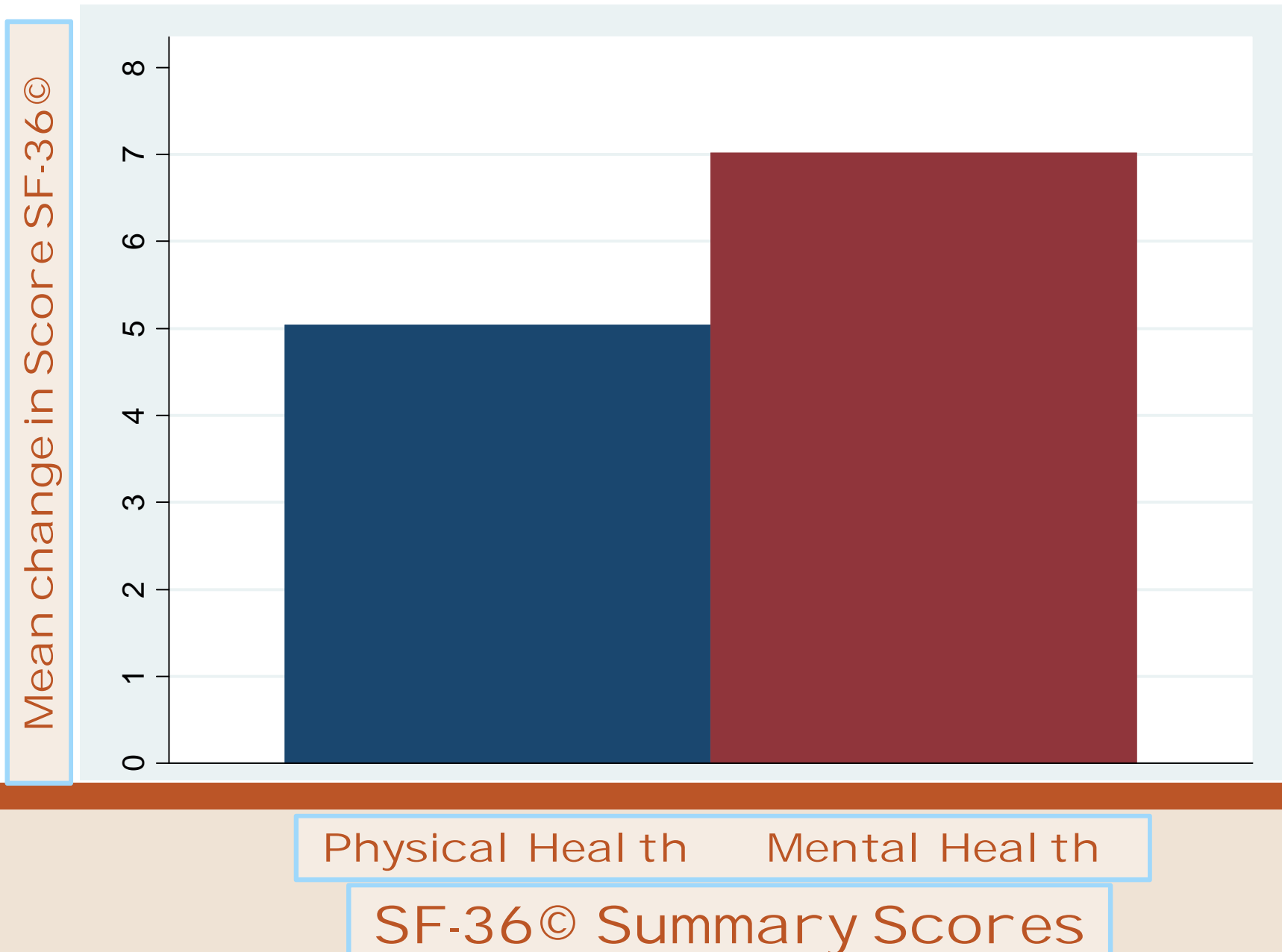
Mean Change in SF-36 Domain scores (Exit)



Mean Change in SF-36 Summary Scores (Interim)

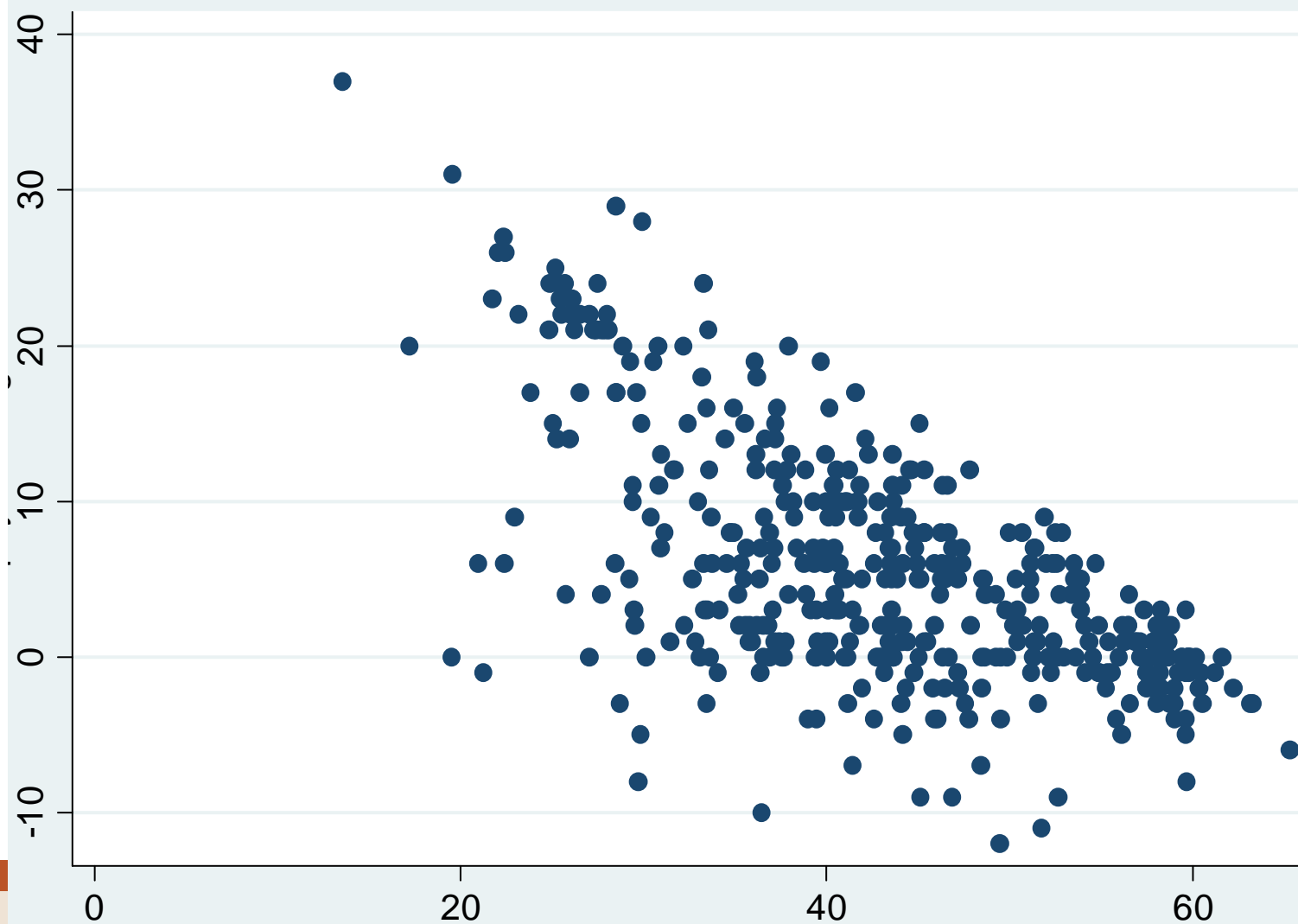


Mean Change in SF-36 Summary Scores (Exit)



Comparison of Initial Score with Change in score by Interim (Physical Health)

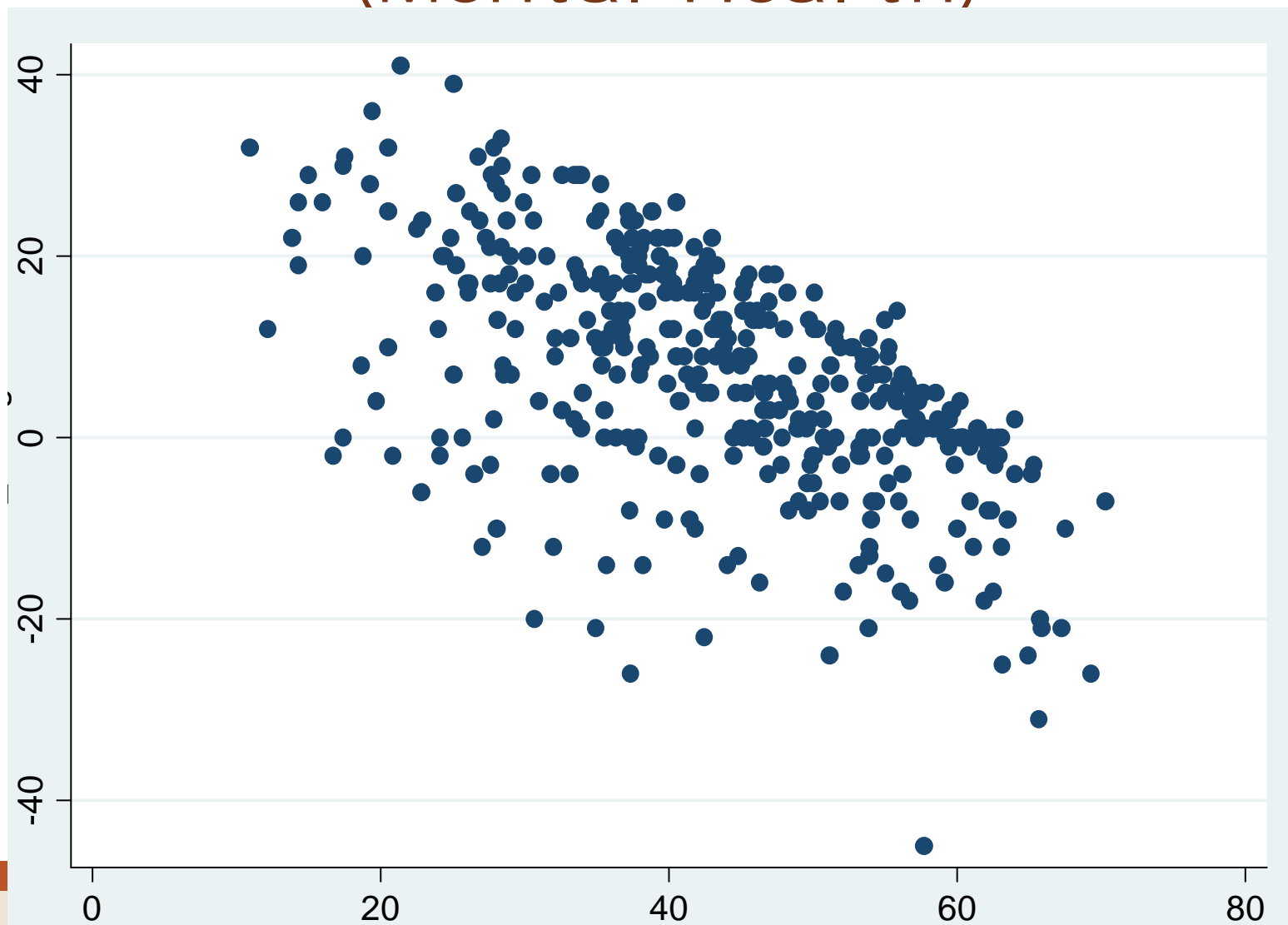
Mean change in Physical Health SF-36[®] Score (Interim)



Initial Physical Health SF-36 © score

Comparison of Initial Score with Change in score by Exit (Mental Health)

Mean change in Mental Health SF-36 © Score (Exit)



Initial Mental Health SF-36 © score

Time since Amputation/Injury compared to initial SF-36[®] Score

Time Since Amputation/ Injury/ Paralysis	Physical Health SF-36 Score		Mental Health SF-36 Score	
	Mean (95% CI)	No. Observations	Mean (95% CI)	No. Observations
0-2 years	33.57 (31.96 - 35.18)	121	37.25 (34.99 - 39.51)	121
>2 years	43.18 (42.43 - 43.93)	680	45.88 (45.05 - 46.72)	680

Time since Amputation/Injury compared to Change in SF-36[®] Score (Exit)

Time Since Amputation/ Injury/ Paralysis	Physical Health SF-36 Score Change		Mental Health SF-36 Score Change	
	Mean (95% CI)	No. Observations	Mean (95% CI)	No. Observations
0-2 years	7.70 (5.98 - 9.42)	104	9.14 (6.42 - 11.87)	104
>2 years	4.15 (3.32 - 4.97)	310	6.3 (4.93 - 7.67)	310

No. of body areas* affected by disability compared to initial SF-36© Score

No. of Body Areas Affected by Paralysis/ Injury/ Amputation/ Disability	Physical Health SF-36 Score (Initial)		Mental Health SF-36 Score (Initial)	
	Mean (95% CI)	No. Observations	Mean (95% CI)	No. Observations
1	42.44 (41.13 - 43.75)	224	43.42 (41.97 - 44.87)	224
>=2	37.10 (35.87 - 38.34)	246	39.72 (38.28 - 41.15)	246

* This includes each limb separately along with head/neck, chest, abdomen, pelvis/buttocks, back, eyes, ears, and “other” areas affected by either amputation, paralysis, injury or hearing/vision loss.

No. of body areas* affected by disability compared to Change in SF-36© Score (Interim)

No. of Body Areas Affected by Paralysis/ Injury/ Amputation/ Disability	Physical Health SF-36 Score Change (Interim)		Mental Health SF-36 Score Change (Interim)	
	Mean (95% CI)	No. Observations	Mean (95% CI)	No. Observations
1	6.86 (5.01 - 8.70)	90	4.49 (2.36 - 6.62)	90
>=2	7.93 (6.51 - 9.34)	124	5.37 (3.60 - 7.14)	124

* This includes each limb separately along with head/neck, chest, abdomen, pelvis/buttocks, back, eyes, ears, and “other” areas affected by either amputation, paralysis, injury or hearing/vision loss.

Use of Assistive Devices* compared to initial SF-36© score

Currently Using Assistive Devices	Physical Health SF-36 Score (Initial)		Mental Health SF-36 Score (Initial)	
	Mean (95% CI)	No. Observations	Mean (95% CI)	No. Observations
No	41.02 (39.59 - 42.45)	199	39.93 (38.40 - 41.47)	199
Yes	37.60 (36.40 - 38.81)	240	41.60 (40.18 - 43.02)	240
Missing	46.65 (42.44 - 50.86)	31	50.52 (46.30 - 54.73)	31

* Upon entry into the program

Participation in Community Activities* compared to Initial SF-36© Score

Currently Participating in Community Activities	Physical Health SF-36 Score (Initial)		Mental Health SF-36 Score (Initial)	
	Mean (95% CI)	No. Observations	Mean (95% CI)	No. Observations
No	42.89 (41.79 - 43.98)	267	44.52 (43.26 - 45.77)	267
Yes	35.42 (34.00 - 36.85)	197	37.73 (36.14 - 39.32)	197
Missing	34.05 (25.31 - 42.79)	6	29.65 (21.29 - 38.01)	6

* Upon entry into the program

Housing* compared to Initial SF-36[©] Score

Current Housing	Physical Health SF-36 Score (Initial)		Mental Health SF-36 Score (Initial)	
	Mean (95% CI)	No. Obs.	Mean (95% CI)	No. Obs.
Own	38.58 (37.29 - 39.87)	223	40.80 (39.29 - 42.31)	223
Rent	40.13 (37.74 - 42.52)	84	40.01 (37.34 - 42.69)	84
Temporary	37.47 (30.34 - 44.61)	9	46.21 (35.90 - 56.52)	9
Government	45.83 (38.75 - 52.91)	10	45.98 (38.38 - 53.57)	10
Family	40.77 (38.96 - 42.58)	130	43.05 (41.23 - 44.87)	130
Friends/Others	29.99 (28.90 - 31.08)	2	37.60 (-23.11 - 98.32)	2
Other	42.02 (35.67 - 48.37)	12	40.85 (34.34 - 47.37)	12

* Upon entry into the program

Physical Access Problems at Home* compared to SF-36© Score

Problems with Physical access at residence	Physical Health SF-36 Score Change (Interim)		Mental Health SF-36 Score Change (Interim)	
	Mean (95% CI)	No. Observations	Mean (95% CI)	No. Observations
Yes	33.88 (32.19 - 35.56)	107	36.59 (34.35 - 38.83)	107
No	41.36 (40.32 - 42.40)	362	42.95 (41.83 - 44.07)	362
Missing	36.46	1	33.63	1

* Survivor asked “Do you have difficulties entering, exiting, or conducting your daily activities in/around your place of residence?”

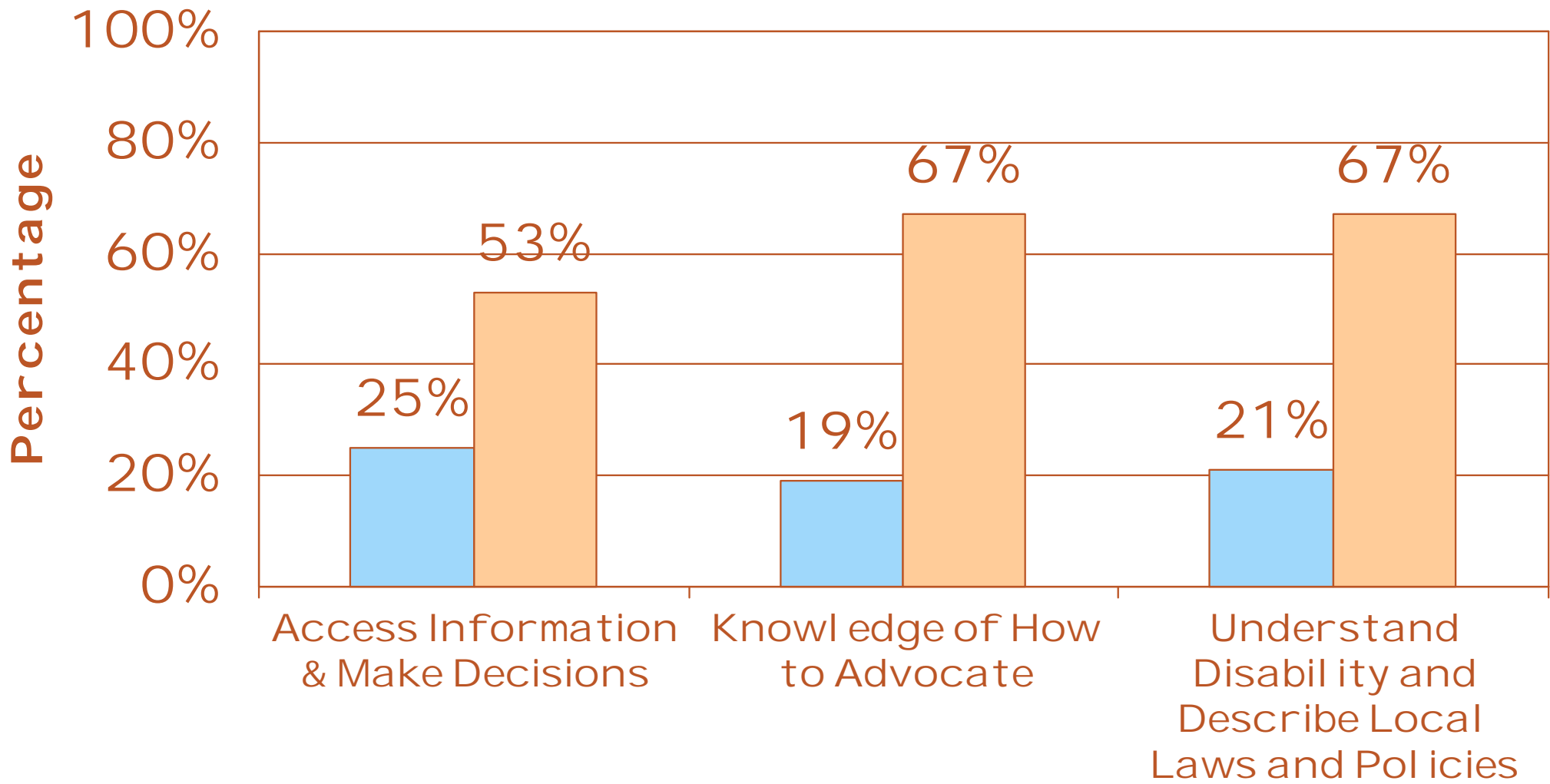
Primary Means of Transportation compared to Initial SF-36[®] scores

Primary Means of Transport	Physical Health SF-36 Score (Initial)		Mental Health SF-36 Score (Initial)	
	Mean (95% CI)	No. Obs.	Mean (95% CI)	No. Obs.
Own car/motorbike	40.90 (38.34 - 43.46)	64	47.33 (44.98 - 49.68)	64
Borrow car/motorbike	40.78 (33.29 - 48.27)	5	41.93 (32.16 - 51.70)	5
Friends/Family Transport me	30.68 (28.49 - 32.87)	48	37.08 (33.51 - 40.65)	48
Bicycle	43.05 (41.19 - 44.91)	56	42.05 (39.66 - 44.45)	56
Public Transport	40.95 (39.62 - 42.28)	250	41.86 (40.41 - 43.31)	250
Walk/use wheelchair	34.64 (25.99 - 43.28)	6	26.39 (15.74 - 37.04)	6



**RESULTS:
SOCIAL EMPOWERMENT**

Social Empowerment -Interim



■ Initial ■ Interim

This data sample represents all the survivors who had both an Initial Interview and an Interim Interview filled. out. N=433

Survivor's experience accessing Information & Making Decisions* compared to initial SF-36© Score

Access Information & Make Decisions	Physical Health SF-36 Score (Initial)		Mental Health SF-36 Score (Initial)	
	Mean (95% CI)	No. Observations	Mean (95% CI)	No. Observations
No	39.47 (38.36 - 40.58)	351	41.04 (39.80 - 42.27)	351
Yes	40.30 (38.62 - 41.98)	117	42.87 (41.04 - 44.70)	117
Missing	32.81 (-9.31 - 74.93)	2	38.71 (11.68 - 65.74)	2

* Upon entry into the program

Survivor's Knowledge of How to Advocate* compared to initial SF-36© Score

Survivor has Knowledge of how to advocate	Physical Health SF-36 Score		Mental Health SF-36 Score	
	Mean (95% CI)	No. Observations	Mean (95% CI)	No. Observations
yes	40.83 (38.91 - 42.74)	91	44.91 (42.46 - 47.35)	91
no	39.37 (38.31 - 40.43)	378	40.68 (39.55 - 41.80)	378
Missing	36.13	1	35.00	1

* Upon entry into the program

Survivor's Knowledge of Rights* compared to initial SF-36© Score

Survivor has knowledge of rights	Physical Health SF-36 Score (Initial)		Mental Health SF-36 Score (Initial)	
	Mean (95% CI)	No. Obs.	Mean (95% CI)	No. Obs.
No	39.22 (38.15 - 40.29)	370	40.61 (39.43 - 41.79)	370
Yes	41.23 (39.41 - 43.05)	100	44.71 (42.72 - 46.70)	100

* Upon entry into the program



CONCLUSIONS....

Further resources

 www.survivorcorps.org

 James Madison University

 Red de Sobrevivientes, El Salvador

 The Advocacy Project

 melissa@re-vive.org

