

The IPV survivor decisional balance to leave (IPVDB-L) scale: Validity, reliability and implications

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Objectives

- Review the need for IPV intervention protocols
- Describe the Transtheoretical Model of Change and the concept of "decisional balance"
- Explain how theory can be applied to assist IPV survivors to achieve survivor-focused goals
- Outline development and validation of the IPV Survivor Decisional Balance to Leave (IPVDB-L) Scale
- Critically discuss implications of scale development and application to research and intervention

Need for IPV intervention protocols

- Little direction for health care professionals on how to intervene with women experiencing IPV
- Dearth of research on effectiveness of interventions for use in clinical settings
 - Example: McFarlane and Parker interventions (McFarlane, 1998; Parker, 1999)
- Need for tested theory-based interventions

The Transtheoretical Model of Change (TM)

- Originally developed to address process of smoking cessation, applied to many other health behaviors
- Asserts that behavior change occurs as a process through five stages
 - Precontemplation
 - Contemplation
 - Preparation
 - Action
 - Maintenance

(Prochaska & DiClemente, 1982; Prochaska & DiClemente, 1983)

Decisional Balance

- Component of TM that facilitates process through stages towards behavior change
- Decision-making has anticipated gains and losses
 - Utilitarian gains and losses for self
 - Utilitarian gains and losses for significant others
 - Approval or disapproval from significant others
 - Self-approval or self-disapproval
- Movement across stages is influenced by factors related to decision to change: pros and cons

(Janis & Mann, 1977; Prochaska & DiClemente, 1984)

Application of TM and decisional balance to IPV

- Research suggests that TM is a promising theoretical approach for interventions addressing abuse
 - Qualitative in depth interviews with 78 abused women (Burke et al. 2001)
 - Key informant interviews with additional 23 abused women (Burke et al, 2004)
 - Found that decisional balance was related to women's ability to end the relationship
- Behavioral outcome: leaving the relationship
 - Behavior must be specific rather than general
 - Behavior must be in control of survivor
 - Survivor theory vs. learned helplessness empowering women to take action to staying safe

Development of IPVDB-L Scale

- Items modified from previous measure of decisional balance (Brown, 1999)
 - 6 pros items
 - 6 cons items
- Eight items added based on results from qualitative interviews with abused women (Burke et al. 2001; Burke et al. 2004)
- Asked to indicate levels of agreement with statements reflecting pros (positive aspects of leaving relationship) and cons (constraints/challenges to leaving relationship)

Items included in final IPVDB-L Scale

- 8 pros items
 - I feel calmer when he is not around
 - I'm tired of walking on eggshells around him
 - Remaining in this relationship is harmful to me
 - I don't feel good about myself in this relationship
 - I feel happier when he is not around
 - Everyone would be better off if we were not together
 - I feel like I am going crazy in this relationship
 - The abuse is getting worse and worse
- 5 cons items
 - I think I can make this relationship work
 - I would be lonely without him
 - I need him for financial support
 - I would feel like a failure if my relationship ended
 - I need him for emotional support

Testing IPVDB-L Scale: METHODS

- 96 women recruited from community health clinics
 - At least 18 years old, not pregnant, English speaking, without private insurance
 - Have experienced physical abuse by partner in past year
- Quantitative survey measuring:
 - Demographics (race, age, employment status, educational status, federal income support status)
 - Relationship status
 - Abuse history (CTS)
 - Decisional balance (20 item scale)

Measuring Stage of Change for Leaving

- Constructed a "stage of change for leaving" variable
 - Relationship status
 - Separation status
 - Plans to end relationship in the next six months
- Women categorized in one of 4 stages:

PREPREPARATION	Together, no intention to leave	21.9%
PREPARATION	Together, intends to leave within 6 months	30.2%
ACTION	Left within past 5 months	21.9%
MAINTENANCE	Left 6 or more months ago	26.0%

Testing IPVDB-L Scale: ANALYSIS

- · Inter-item correlations
- Exploratory principal components analysis
 Principal axis factoring
- Varimax rotation
- Orthogonal factors
- Cronbach's alphas for each factor
- Bivariate analysis to determine relationship between pros and cons to stages of leaving
 - ANOVA
 - Scores of pros and cons scales were standardized (M=50, SD=10)

Testing IPVDB-L Scale: RESULTS

Sample Characteristics:

83%
58%
82%
81%
40.4 (7.2)
20-54
97%
78%

Psychometric Properties of IPVDB-L

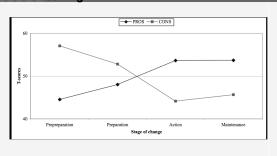
- Two factor solution (Pros and Cons)
 - Accounts for 53.1% of the total variance
- Items retained with a factor loading of 0.40 or greater
 - Factor loadings ranged from 0.58 0.77
- High internal consistencies for each factor
 - Pros: Cronbach's alpha = 0.89
 - Cons: Cronbach's alpha = 0.81

ANOVA results: Means of Pros and Cons by Stages of Leaving

	Pros to Leaving		Cons to Leaving	
Stages of Leaving	М	SD	M	SD
Prepreparation	2.84 a	.526	2.46 a	.478
Preparation	3.04 a,b,c	.668	2.20 a	.600
Action	3.36 b,c	.396	1.68 b	.542
Maintenance	3.36 b,c	.455	1.77b	.457
Total	3.15	.567	2.03	.603

Note: Means in the same column that do not share superscripts differ at p < .05 in the Tukey significant difference post-hoc comparison. Means and standard deviations for raw scores are reported. ANOVA was conducted and post-hoc analyses are reported on standardized scores.

Decisional Balance and Stages of Leaving



Interpretation of Results

- IPVDB-L Scale shows reliability and construct validity
- Relationship between pros and cons and the stages of leaving is consistent with TM theory
 - Women in early stages have high cons/low pros
 - Women in late stages have low cons/high pros
- Suggests that the difference between pros and cons increases as women to take action to leave abusive relationship

Implications of IPVDB-L development and testing

- Provides support for the appropriateness of TM-based interventions for IPV
 - Interventions can be stage-tailored to meet women where they are in process to leave relationship
- Stage-tailored interventions can include activities to address decisional balance
 - Specific counseling to shift women's ideas about pros and cons based on stage
- IPVDB-L scale can be used to assess pros and cons of leaving to assist with stage-tailored activities
- IPVDB-L scale can be used to evaluate intervention effectiveness

Application of TM and decisional balance IPV intervention

- Women's Initiative for Safety and Health (WISH) Intervention
 - Based on TM
 - Stage-tailored 8-session individual counseling program
 - Focused on helping women make informed decisions about leaving abusive relationship
- Intervention activities are developed to reflect woman's stage of leaving
- Decisional balance is a critical influencing factor in progressing towards leaving

Example of Decisional Balance Activity

- Contemplation stage: "Weighing advantages and disadvantages of the relationship"
 - Ask client to list positive aspects about relationship (pros) and negative aspects about relationship (cons)
 - Ask client to list positive aspects of ending relationship (pros) and negative aspects about ending relationship (cons)
 - Discuss how taking action to end current relationship will affect housing, finances, childcare, safety, recovery

Next steps...

- Implementation of stage-based WISH intervention in clinical setting.
- Evaluation of WISH intervention in improving several outcomes:
 - Changes in decisional balance and other TM constructs
 - Movement through stages towards leaving abusive relationship
 - Increased safety behaviors/coping strategies
 - Reduced incidence and severity of violence
 - Improved physical health, mental health and quality of life outcomes

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