Testing Two Global Models:
Outcomes of a 7-Year Study
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TWO GLOBAL MODELS
What are the LONG-TERM Outcomes

7-Year Prospective, Naturalistic, 2-Group Comparative Design

150 Shelter Women

150 Justice Women
METHODS

Face-To-Face Interview Every 4-Mos for 7 years = 21 Interviews
$70 each visit
At 48 months, 94% retained
21 METRICS

Severity of Violence Against Women
Danger for Murder Assessment Scale
PTSD & Depression Inventory
Community Agency Use & Difficulty
Safety Behaviors, Fertility Control
Child & Adult Behavior Functioning
Koci Marginalization Index, Empowerment
General Self Efficacy, Problem Solving Scale
Chronic Pain Scale, General Health
Social Support Index, Food Security
Employment & Schooling & Poverty Index
Adverse Childhood Events
DEMographics

Age - Education - Race & Ethnicity - Marital Status

30.7 Participants Average Age
64% Participants Born in the U.S.
61% Participants also indicated they were Spanish or Hispanic

6% of participants completed 4 or more years of college
No differences in outcomes by number of days at shelter or protection order receipt.

Mental Health, Abuse, Danger & Child outcomes improved ($p < .01$) at 4–months for Shelter and Justice women, regardless of dose, and MAINTAINED at 24–mos.
Safe Shelter

THE FIRST TWO YEARS

150 women entered safe shelters.
74 (49.3%) stayed less than 21 days.
76 (50.7%) stayed 21 or more days.
Mothers’ Danger & Abuse

Women who stayed less than 21 days and women who stayed 21 or more days in the shelter showed dramatic improvement in danger and abuse in the first 4 months and maintained that improvement through the first two years.
Mothers’ Mental Health

Women who stayed less than 21 days and women who stayed 21 or more days in the shelter showed strong improvement in mental health in the first 4 months and continued to improve through the first year and maintained the improvement through the second year.

Children’s Behavior

Children of women who stayed less than 21 days and who stayed 21 or more days in the shelter showed improvement in problem behaviors in the first year and maintained the improvement through the second year.

< 21 Days  21+ Days

CONTACT IS POWERFUL
A SECOND LOOK
33% of women poor outcomes

Children's Behavior

Children of women who stayed less than 21 days and who stayed 21 or more days in the shelter showed improvement in problem behaviors in the first year and maintained the improvement through the second year. < 21 days tended to do better than 21+ days.
Predicting The Road Ahead
Rapid Assessment Tools
Rapid Assessment Apps for Phone or Tablet

SUSTAINED (2-Years)

- PTSD
- Child (INTERNAL) Behavior Dysfunctions
- Child (EXTERNAL) Behavior Dysfunctions
- Return To The Abuser
- Return To The Shelter
Predictors of Sustained PTSD
33% of women PTSD at 24mos

- MORE Adverse Childhood Events
- HIGHER PTSD Score
- LESS Emotional Support
- LESS Self-Esteem
Predictors of Child Dysfunction Among Justice Service Mothers

Internalizing Behavior 7 PREDICTORS

Predicted probability >75%, 82%-100% of children have clinical behaviors)

- Times child heard verbal abuse of mom
- Child’s Age
- Child’s Gender
- Length of time mom with abuser
- Moms perceived mental health
- Moms PTSD symptom score
- Tangible ($) and Emotional Support Score
Predictors of Child Dysfunction Among Sheltered Mothers

Externalizing Behavior 7 PREDICTORS
Predicted probability >75% , 82%-100% of children have clinical behaviors)

- Moms Level of Education
- Child Has Chronic Illness or Disability
- Child’s Age
- Child’s Gender
- Moms perceived mental health
- Moms PTSD symptom score
- Emotional Support (love and respect) Score
Predictors of Return To Shelter

- 20% (1 in 5 women) Return to Shelter within 2 Years of Leaving

PREDICTORS: (90% accuracy)
- Age (Older Women)
- Low Tangible Support ($)
- Higher Danger for Murder
- Child Witness To Verbal Abuse
Predictors of Return To Abuser For 1\textsuperscript{st} Time Shelter Users

36% (1/3 women) Return to Abuser within 2 Yrs of Leaving a Shelter

8 PREDICTORS (83% accuracy)

- Age (40+)
- Education (HS only)
- Length of Relationship (>9yrs)
- Low Emotional Support (love, respect)
- Low Sexual Abuse
- Low Community Agency Use (police)
- High PTSD Symptom Score
- Poor Physical Health
Implementing Rapid Assessment Triage Tools in Your Setting

- Time needed = 5 min
- Personnel needed = 1 front line provider
- Training Needed = Assessment and Guided Referral
# Triage Tool To Predict Return to Shelter

<table>
<thead>
<tr>
<th>AGE</th>
<th>18 - 21</th>
<th>22 - 27</th>
<th>28 - 39</th>
<th>34 - 39</th>
<th>40+</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>$3</td>
<td>$42</td>
<td>$128</td>
<td>$2</td>
<td>$25</td>
</tr>
</tbody>
</table>

## Tangible Support
Thinking of three people who have helped you the most during the last four months...

<table>
<thead>
<tr>
<th></th>
<th>NOT AT ALL</th>
<th>A LITTLE</th>
<th>QUITE A BIT</th>
<th>VERY MUCH</th>
<th>TOTAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>If you needed to borrow $10, a ride to the doctor, or other immediate help, how much could (1st person) help you?</td>
<td>0</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
</tr>
<tr>
<td>Second person?</td>
<td>0</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
</tr>
<tr>
<td>Third person?</td>
<td>0</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
</tr>
<tr>
<td>If you were confined to bed for several weeks, how much could (1st person) help you?</td>
<td>0</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
</tr>
<tr>
<td>Second person?</td>
<td>0</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
</tr>
<tr>
<td>Third person?</td>
<td>0</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
</tr>
</tbody>
</table>

**TOTAL: 188**

## Danger
Thinking about the abuser’s behavior during the past 4 months:

<table>
<thead>
<tr>
<th></th>
<th>0</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>TOTAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Has the physical abuse increased in severity or frequency?</td>
<td>0</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>0.7</td>
</tr>
<tr>
<td>Has he stolen a gift?</td>
<td>0</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>8.13</td>
</tr>
<tr>
<td>Has he become unemployable?</td>
<td>0</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>14.18</td>
</tr>
<tr>
<td>Has he used a weapon against you or threatened you with a lethal weapon such as a gun or knife?</td>
<td>0</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>20.25</td>
</tr>
<tr>
<td>Has he threatened to kill you?</td>
<td>0</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>26.33</td>
</tr>
<tr>
<td>Has he induced or threatened you to take medication you didn’t want?</td>
<td>0</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>26.33</td>
</tr>
<tr>
<td>Has he tried to control your access to the children?</td>
<td>0</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>26.33</td>
</tr>
<tr>
<td>Has he induced or threatened you to do things you didn’t want to do?</td>
<td>0</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>26.33</td>
</tr>
<tr>
<td>Has he forced you to leave illegal?</td>
<td>0</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>0</td>
</tr>
<tr>
<td>Has he induced or threatened you?</td>
<td>0</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>0</td>
</tr>
<tr>
<td>Has he used or inflicted abuse on a pet or other family member?</td>
<td>0</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>0</td>
</tr>
<tr>
<td>Has he used or threatened to use violence against your pets?</td>
<td>0</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>0</td>
</tr>
<tr>
<td>Has he forced you to leave when you didn’t want to?</td>
<td>0</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>0</td>
</tr>
<tr>
<td>Has he threatened or tried to commit suicide?</td>
<td>0</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>0</td>
</tr>
<tr>
<td>Has he threatened or tried to commit suicide?</td>
<td>0</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>0</td>
</tr>
</tbody>
</table>

**TOTAL: 88**

During the past 4 months, **HOW MANY TIMES HAS YOUR CHILD HEARD VERBAL ABUSE OF YOU BY (NAME OF THE ABUSER)?**

<table>
<thead>
<tr>
<th>Weighted Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 - 10</td>
</tr>
<tr>
<td>&gt;10</td>
</tr>
</tbody>
</table>

## Interpretation

<table>
<thead>
<tr>
<th>Weighted Total</th>
<th>Interpretation</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 - 2.99</td>
<td>Minimal risk (5%)</td>
</tr>
<tr>
<td>3.00 - 4.15</td>
<td>Low risk (11%)</td>
</tr>
<tr>
<td>4.16 - 4.81</td>
<td>Moderate risk (11%)</td>
</tr>
<tr>
<td>4.82 - 4.99</td>
<td>High risk (19%)</td>
</tr>
<tr>
<td>&gt;5.00</td>
<td>Extreme risk (20%)</td>
</tr>
</tbody>
</table>

