



Overview

- Two aims for this talk
 - Present original data relating trauma, poverty, and revictimization
 - Present an example of the utility of multilevel modeling (a statistical technique) in trauma research

Background



- Sociological research on victimization focuses on community or societal level of analysis
- Psychological research on victimization focused at the level of the individual

Individuals within communities



- Victimization depends on both individual and contextual factors
 - Relationships between individual characteristics & victimization may differ with social context
 - Adverse social context may affect victimization in some people more than others
- Multilevel modeling
 - Statistical technique
 - Allows researchers to incorporate multiple levels of analysis

Current study



- Q1: Is there neighborhood-level variability in victimization?
- Q2: When accounting for neighborhood-level effects, do childhood trauma and dissociation predict reviet in action?
- Q3: Does neighborhood-level poverty impact victimization?
- Q4: Does community poverty impact relationships between childhood trauma, dissociation, and later revictimization in individuals?

Participants

- 421 members of the Eugene-Springfield Community Sample (ESCS, Goldberg et al.)
- A longitudinally-studied sample of homeowners in metro area of ~330,000
- 96% Caucasian, age range 18 to 85 at first data collection (in 1993)
- Survey data collected in 1997 and 2003

Participants



 Eight target zip codes, within Eugene and Springfield city limits

Measures



- Curious Experiences Survey (CES, Goldberg 1999)
 - 31-item scale measuring dissociation, a revision of the Dissociative Experiences Scale
- The Brief Betrayal Trauma Survey (BBTS, Goldberg & Freyd, 2006)
 - Measures 14 types of traumatic events both before and after age 18
 - Includes traumas with low or no interpersonal betrayal (e.g., natural disasters) and higher levels of betrayal (e.g., sexual abuse by someone close
 - Only high-betrayal, interpersonal victimization included in analyses

Measures



- Poverty rates for each neighborhood (by 5digit zip code)
- Obtained from 2000 U.S. census data
- Percent of individuals with incomes below the federal poverty level in 2000

Descriptives



Person-level Descriptive Statistics (N = 421)					
Variable	Mean	SD	Minimum	Maximum	
Child Betrayal Trauma	0.61	1.00	0.00	5.00	
Adult Betrayal Trauma	0.60	0.99	0.00	5.00	
Dissociation— CES Total	45.65	10.04	31.00	109.00	

Community-level Descriptive Statistics (N = 8)					
Variable	Mean	SD	Minimum	Maximum	
Child Betrayal Trauma	0.66	0.21	0.28	0.98	
Adult Betrayal Trauma	0.73	0.34	0.33	1.32	
Dissociation— CES Total	46.38	3.19	42.44	52.26	
Community Poverty Rate	0.15	0.07	0.04	0.27	

Models 1 and 2



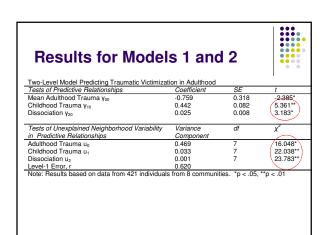
Q1: Is there neighborhood-level variability in victimization?

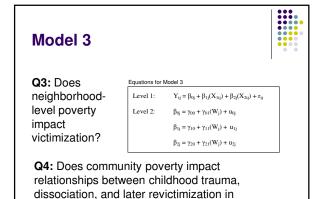
Q2: When accounting for neighborhood-level effects, do childhood trauma and dissociation predict revictimization?

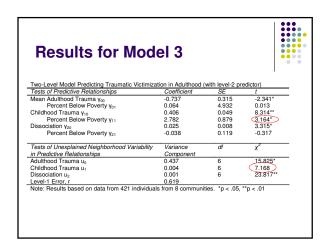
quations for Model 1					
Level 1:	$Y_{ij} = \beta_{0j} + r_{ij}$				
Level 2:	βα: = 2000 ± 110:				

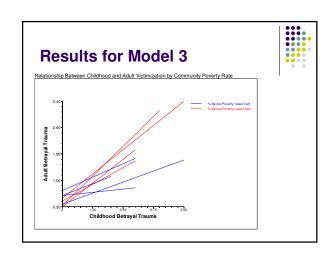
Equations for Model 2 $Level \ 1: \qquad Y_{ij} = \beta_{0j} + \beta_{1j}(X_{1ij}) + \beta_{2j}(X_{2ij}) + r_{ij}$

Level 2: $\beta_{0j} = \gamma_{00} + u_{0j}$ $\beta_{1j} = \gamma_{10} + u_{1j}$ $\beta_{2j} = \gamma_{20} + u_{2j}$









Results

- Q1: Is there neighborhood-level variability in victimization?
 - Yes
- Q2: When accounting for neighborhood-level effects, do childhood trauma and dissociation predict revictimization?
 - Yes, each uniquely predicts variance in victimization in adulthood

Results

individuals?



- Q3: Does neighborhood-level poverty impact victimization?
 - Yes, but only in association with childhood trauma
- Q4: Does community poverty impact relationships between childhood trauma, dissociation, and later revictimization in individuals?
 - Yes, the relationship between childhood trauma and victimization in adulthood tends to be stronger among individuals in communities with higher poverty rates.

Discussion

- This example illustrates the utility of using multilevel modeling to better understand complex social processes like victimization
- Has implications for future research
 ignoring social context may produce misleading or incomplete results

Discussion



- Relationship between childhood trauma and revictimization is stronger in higher poverty communities
- Implications for prevention, intervention

Questions?



• More information and reprints available at http://dynamic.uoregon.edu/