

Frances McClelland Institute Children, Youth, and Families

Literature Review

Active Coping Strategies

- Involve engagement in cognitive or behavioral efforts to understand an resolve problems (Ayers et al., 1996)
- There is limited work and mixed findings on developmental changes in active coping strategies among adolescents
- Work suggests uncontrollable stressors decrease active coping strategies during adolescence (Zimmer-Gembeck & Skinner, 2011)
- There is also other work that finds increases in active coping strategies during adolescence (Evans et al., 2015)

Life Course Theory (Elder, 1998)

- Posits changes in environmental and social contexts (e.g., adolescents have added responsibilities) and
- Developmental changes (e.g., adolescents experience an increase in cognitive complexity)
- Guided by life course theory, active coping is re-calibrated and adjusted with changing ecologies in adolescence (Lerner et al., 2012)

Latinx Adolescents

- Discrimination increases from middle to high school (Aud et al., 2010)
- Active coping may differ by gender and nativity
 - Latinx boys and girls may have different socializing agents of proble solving skills (Raffaelli & Ontai, 2004)
- Foreign-born adolescents use indirect coping strategies such as forbearance; U.S.-born adolescents use direct coping strategies sucl as active coping (Kuo, 2011)

Study Goals

Goal 1: Examine changes in Latinx adolescents' active coping strategies during the transition from middle to high school



Goal 2: Explore variations in the trajectories of active coping strategies I gender and nativity



Norton School of

Human Ecology



Examining Changes in Active Coping Strategies Among Latinx Adolescents: A Latent Growth Curve Analysis

Met	hod
 Participants 329 families (parent-child dyads) 288 middle school students are in this study Mage = 13.69, SD= .56 42% female 86% U.Sborn 	 Procedures Recruited from middle schools in the southwest Telephone interviews in either English or Spanish.
 Measures Demographics Adolescent gender (0=male, 1=female) Nativity (U.S. Born=1, Foreign Born=0) About 50% of parents reported receiving some form of government assistance (e.g., food stamps, Medicaid, or state health insurance) 	 Active coping strategies Children's Coping Strategies Checklist (Ayers et al., 1996; Sandler et al., 1997) 12 items (e.g., "You did something to solve the problem.") Scale 1 = almost never or never to 5 = almost always or always Cronbach's alpha T1 .93, T2. 90, T3 .92
 Analysis Plan Analyses in Mplus version 8.3 Model fit Chi-square (χ2) value Comparative Fit Index (CFI > .90) Root Mean Square Error of Approximation (RMSEA < .10) Standardized Root Mean Square Residual (SRMR < .10; Hu & Bentler, 1998) 	 Study Goal 1 Run a series of latent growth curve models (LGCM) LGCM random-intercept only Linear growth curve model LGCM with quadratic slope term, variance set to zero Compare model fit Study Goal 2 Gender and nativity predicting the intercept and slope of the best-fitting LGCM
Res	ults
 Goal 1. Latent Growth Model of Active Coping (See Tage 1. LGCM random-intercept only χ2 (6) = 44.64, p = .00; CFI = 0.25; RMSEA = 0.15; Poor fit suggests changes in active coping Linear growth curve model χ2 (3) = 10.26, p = .02; CFI = 0.86; RMSEA = 0.09; Poor fit suggests there is no linear change in acti Quadratic growth model χ2 (2) = 1.06, p = .59; CFI = 1.00; RMSEA = 0.00; S Acceptable fit suggests there is a quadratic change coping 	ble1)• CFI CompareSRMR = 0.30• ΔCFI = 0.75; random intercept/quadratic growth mod • ΔCFI = 0.14; linear/quadratic growth modelsSRMR = 0.17
Table 1	
Parameter Estimates for the Quadratic Latent Growth	Model of Active Coping
Growth Curve Component	B (SE)
Intercept mean	<mark>3.98 (0.04) ***</mark>
Intercept variance	0.31 (0.05) ***
Linear mean	0.14 (0.10)
Linear variance	<mark>0.070 (.03) **</mark>
Linear variance Quadratic mean	0.070 (.03) ** -0.149 (0.05) **



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growth model

Goal 1

- government assistance

- uncontrollable stressors

Goal 2

Limitations and Future Directions

- Only examined active coping

- Sample from the Southwest

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Active Coping

10th grade 8th grade 9th grade Figure 1. Mean change in active coping from 8th to 10th grade

Goal 2. Gender and Nativity Variations in Active Coping Growth • No significant differences found by gender or nativity in the quadratic

Discussion

• About half of the adolescents in our sample are from households that receive

• Latinx adolescents in the 10th grade are more cognitively mature than in 8th or 9th grades, capable of understanding and aware of their family's economic and social struggles (Elder, 1998)

• And collectivistic values may prompt 10th grade Latinx adolescents to take on or be given more parental responsibilities such as caring for younger siblings or contributing to the household finances as they are now legally able to hold after-school jobs and have driver's licenses (Kuo, 2011)

• Greater awareness of their family's economic and social struggles and their added roles may be seen as uncontrollable stressors that Latinx adolescents cannot change because contributing to the family is seen as part of their responsibilities and align with collectivistic cultural values, thus decreasing the use of active coping (Kuo, 2011)

• Latinx adolescents' active coping trajectories are not linear

• This may be because Latinx adolescents in the 9th grade do not take on or are not given as many responsibilities as they are in the 10th grade • This study provides evidence for curvilinear trajectories of active coping among Latinx adolescents

• Latinx adolescents may use other coping strategies to cope with

• No differences in the changes in active coping by gender or nativity • Both Latinx girls' and boys' cognitive development is similar and may have increased roles and responsibilities at similar times (Elder, 1998) • 10th grade both girls' and boys' equally perceive their added

responsibilities as uncontrollable stressors

• No differences in the change in active coping by nativity.

• The sample of foreign-born Latinx adolescents was too small to detect differences in the change in active coping.

• Future work should examine other types of coping strategies

• Small sample of foreign-born Latinx adolescents

• Future work should use a more even distribution of foreign-born and U.S.born Latinx adolescents

• Future work should use a nationally representative sample

Acknowledgments

