

	Introduction
•	Adverse Childhood Experiences (ACEs) is a term used to desc neglect, and other potentially traumatic experiences that occur under the age of 18 (CDC, 2019).
•	During 2011-2014, more than 60 % of U.S. adults reported has least one ACE, and almost 25 % reported three or more (Merri Ports, Guinn, 2018).
•	Kentucky ranks in the top 10 states for ACEs (State Health Im Plan Committee, 2017).
•	In Kentucky, 59% of adults reported having at least one ACE, reported having two or more, of which 11% experienced four 18% experienced five or more (KDPH Division of Child and Mealth, 2016).
•	ACEs have been linked to risky health behaviors, chronic heal conditions, low life potential, and early death (CDC, 2019).
•	ACEs have been found to negatively impact adult mental heal may make academic success more difficult (Karatekin and Ah 2016).
•	Nationwide, the average first year to second year retention rate whereas colleges and universities in Kentucky was lower at ju (College Factual, 2020
•	No known research study has assessed the relationship betwee academic success for Kentucky college students.
	Purpose and Hypotheses
•	The purpose of this study was to determine the prevalence of A undergraduate students attending a regional Kentucky universe
•	It was hypothesized that (1) at least 60% of Kentucky college report one or more ACEs, (2) there will be a significant different number of Kentucky college males and females reporting at least and (3) having experienced two or more ACEs will result in a perceived retention rate.
	Method
•	11 questions from the Behavioral Risk Factor Surveillance Su CDC, 2020) ACE Module were used and are public domain. Researchers adapted the survey by adding 5 demographic and questions regarding GPA and 2 retention questions for a total After receiving Institutional Review Board approval, the researchers contacted roughly eight professors from a variety of department
	regional Kentucky university campus asking them if they would survey Monkey link with their students. Because of the sensition

- SurveyMonkey link with their students. Because of the sensitive nature of the questions, students were able to complete the survey outside of the classroom and in the comfort and privacy of their own home. An informed consent statement was included before participants could
- initiate the survey. The form also directed students where to seek professional help if necessary upon completing the survey.
- 201 college undergraduates completed the ACE survey.
- Chi-square analyses were used to make comparisons between ACE scores, GPA, demographics, and perceived retention rate.

Adverse Childhood Experiences (ACEs) among Kentucky College Students

Skyler Worley and Beth Vanover Dr. Laurie Larkin, Dr. Michelyn Bhandari, and Dr. Phyllis Bryden Department of Public Health, College of Health Sciences, Eastern Kentucky University

Results

Demographics

- 201 college students completed the ACE survey.
- 69.7% female (n = 140) and 18.4% male (n = 37), with 23 values missing for gender question.

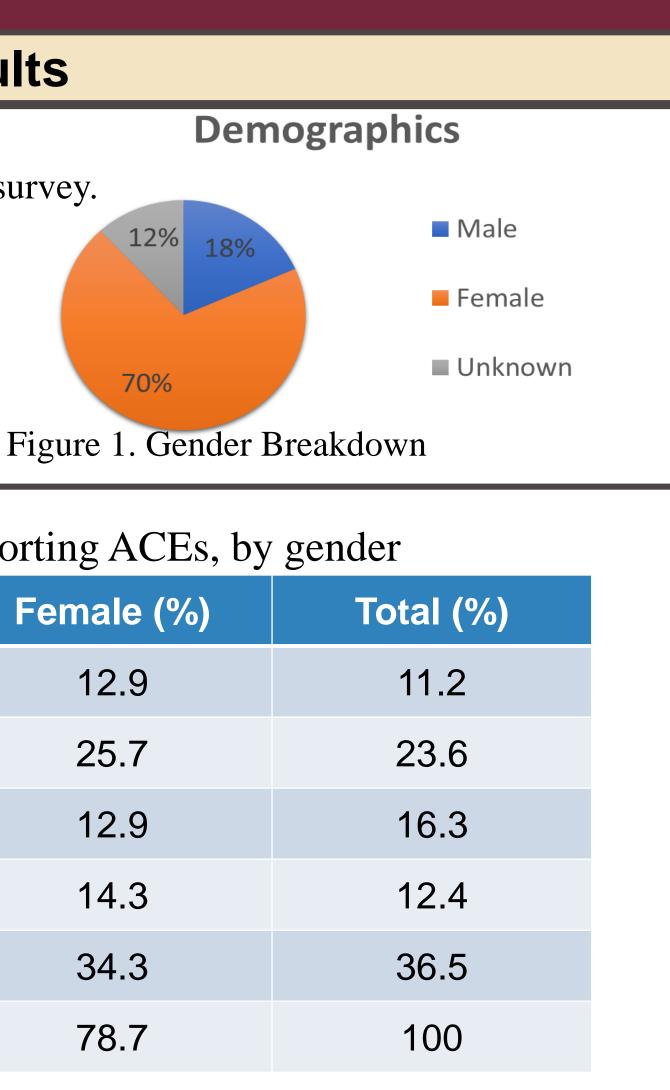
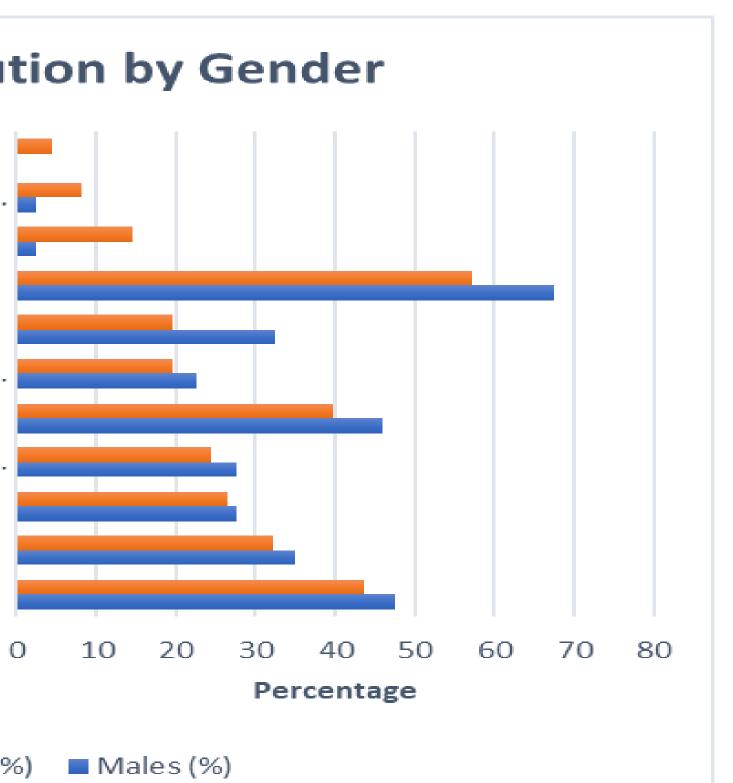


Table 1. Percentage of participants reportin			
Number of ACEs	Male (%)	Fem	
0	5.4		
1	16.2		
2	27.0		
3	5.4	•	
4 or more	45.9		
Total	20.8	7	

Figure 2. ACEs Distribution by Gender

ACEs Distribution by Gender

Had an adult force them to have sex Had an adult try to make them touch... Had an adult sexually touch them Had a parent verbally abuse them Had a parent(s) ever physically abuse them Parents or adults in home ever physically... Parents ever separated or divorced Living with anyone who served time or... Living with anyone who abused drugs Living with someone with drinking problems Living with someone with mental illness



Females (%) Males (%)

Table 2. Chi-square Results for Hypotheses

Only question nine (asking about sexual touching from an adult) had a statistical difference between genders (p = .038), with 2.5% of males (n = 1) and 14.5% of females (n = 23) reporting once or more.

Hypothesis

Πγροιπεδιδ	
1. At least 60% of Kentucky college students will report one or more ACEs	Correct: 7
 There will be a significant difference in the number of Kentucky college males and females reporting at least one ACE 	Incorrect: S repor
 B. Having experienced two or more ACEs will result in a lower retention rate. 	Incorrec significantl semesters pre

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Result

79% of participants reported having at least one ACE.

94.6% of males and 87.1% of females orted at least one ACE (p = .424).

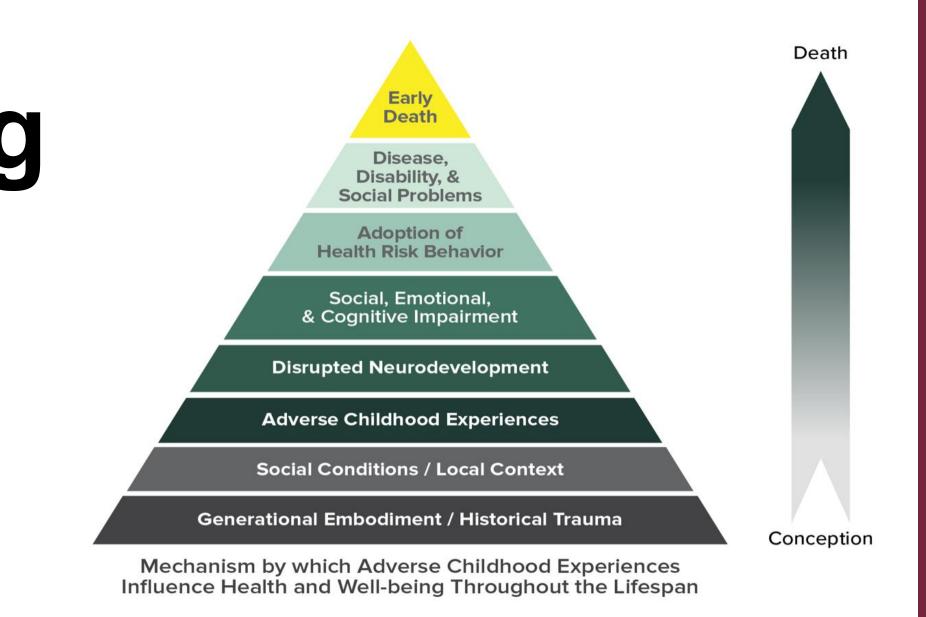
ct: Having two or more ACEs did not tly affect GPA (p = .323) nor how many s it would take students behind in their program to graduate (p = .582).

- Kentucky adults.
- Health, 2016).
- ACE.
- track to graduate.

Conclusions & Implications

- ACE scores than the average Kentucky adult.
- Kentucky male college students.

- Disease Control and Prevention.
- Retrieved from
- live&scope=site
- students. Journal of Child & Adolescent Trauma, 10(3), 275-287. https://doi.org/10.1007/s40653-016-0093-



Discussion

• 87.1% (n = 122) of females and 94.6% (n = 35) of males reported at least one or more ACEs. These rates were much higher than average for

• The first hypothesis was correct, as 79% of participants reported having at least one ACE. This is significantly higher compared to Kentucky adults overall, as the reported average for the state is that 59% of adults experienced at least one ACE (KDPH Division of Child and Maternal

Hypothesis two was incorrect, as there was not a significant difference in the number of Kentucky college males and females reporting at least one

The third hypothesis, having experienced two or more ACEs will result in a lower retention rate, was also incorrect. Even experiencing four or more ACEs did not have a statistically significant impact on GPA or being on

It is suggested that there may be a particularly high prevalence of ACEs among eastern Kentucky college students and students may have higher

• There is an alarmingly high rate of ACEs among these college students (79.1% compared to the state's average of 59%).

Studies from the literature review agreed that females typically experience ACEs more frequently, but this study found that 87.1% of females and 94.6% of males had at least one ACE. This could be due to a low sample size of men. More studies are needed assessing the prevalence of ACEs for

Future research could assess what types of ACEs were most common, what areas of childhood home life need to be further addressed in Kentucky, what other factors (e.g., resiliency) may be moderating the role of ACEs on college performance, or what other areas of adult life their ACEs may have impacted if it was not college retention.

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