

# Risk Factors Associated with Different Living Arrangements: Youth in Kinship Care, Foster Care, Unstable Housing and Homelessness

*Preliminary findings from the 2014 Healthy Youth  
Survey*

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Prepared for:  
**Washington State Department of Social and Health Services**  
**Washington Dental Service Foundation**  
**Washington State Department of Commerce**

Prepared by:  
**Looking Glass Analytics, Inc.**

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# Executive Summary

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The Washington State Department of Social and Health Services, along with Washington Dental Service Foundation and Commerce are interested in understanding youth populations who may be at special risk associated with the circumstances of their living arrangements. An exploratory analysis of the 2014 Healthy Youth Survey (HYS) data was conducted to:

1. Examine the results for three HYS questions about youth living arrangements – where they live, who they live with, and if their living situation is due to family finances.
2. Categorize responses to the living arrangement questions into specific population groups by:
  - Who they live with:
    - a. youth who are living with parents/step-parents
    - b. youth who are in kinship care (i.e., with relatives, but not parents)
    - c. youth who are in foster care
  - Where they live:
    - a. youth who live in stable housing
    - b. youth who live in unstable housing
    - c. youth who are homeless
3. Determine if any of these groups experience elevated well-being risks compared to the general population or each other. Domains of well-being examined include substance abuse, physical and mental health, sexual behavior and orientation, experience of abuse, school experience, and violent behavior.

The analysis yielded the following key findings:

- Youth in kinship care are found to be worse off on most measures than youth in parental care.
- Youth in foster care are found to be worse off on most measures than youth in parental care.
- Youth in foster care are found to be worse off on most measures than youth in kinship care.
- Regardless of living arrangement, homeless youth and youth in unstable housing are worse off on most measures than youth in stable housing; and homeless youth are worse off than youth in unstable housing.

These relationships are matters of association rather than causation. In other words, the data do not show that kinship care, foster care, unstable housing, or homelessness caused these negative outcomes. For example, the higher incidence of substance abuse, depression, or poor school performance among youth in kinship or foster care can likely be explained as the residual effect of negative experiences before they came into these living arrangements.

The kinship care/foster care comparison requires its own explanation since youth in both living arrangements would have experienced significant trauma before getting there. It could be that the more positive outcomes in kinship care are because it is more likely a living arrangement that grew out of existing familial bonds, but more research will be needed to answer this question.

It is hoped that this information can help spark further conversations with public and/or private organizations and individuals interested in exploring how to better support these at risk populations. Discussions could focus on possible interventions to improve the problematic outcomes while additional research might inform these interventions.

## Acknowledgements

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# Overview

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## *Introduction*

In Washington State, an estimated 53,000 children are being raised by grandparents and other relatives.<sup>1</sup> For every one (3,971) child who is raised by a relative and is involved with the formal child welfare system (in out of home care and receiving case management) there are 12 (49,029) children living “informally” with a relative.

The Washington State Department of Social and Health Services is interested in understanding youth populations who may be at special risk due to the circumstances of their living arrangements or more precisely the trauma that may have led to these arrangements. These different living arrangements can likely be viewed as proxies for certain family experiences (of abuse and/or neglect) that are associated with different health outcomes. Put another way, the data presented here do not show that these living arrangements “caused” these different outcomes but more likely that both living arrangements and health outcomes were the product of prior negative experiences.

An exploratory analysis of the 2014 Healthy Youth Survey (HYS) data was conducted to:

1. Examine the results for three HYS questions about youth living arrangements – where they live, who they live with, and if their living situation is due to family finances.
2. Categorize responses to the living arrangement questions into specific populations by:
  - Who they live with:
    - a. youth who are living with parents/step-parents
    - b. youth who are in kinship care (i.e., with relatives, but not parents)
    - c. youth who are in foster care
  - Where they live:
    - a. youth who live in stable housing
    - b. youth who live in unstable housing
    - c. youth who are homeless
3. Determine if any of these groups experience elevated risks to their well-being compared to the general population or each other. Examine domains of well-being including substance abuse, physical and mental health, sexual behavior and orientation, experience of abuse, school experience, and violent behavior.

This report presents the preliminary findings from these analyses and is intended to inform further discussions on how the results of these HYS living arrangement questions can be utilized by state agencies, schools and communities. While we have done our best to categorize the different groups, there still may be challenges in defining these populations given the limited number of questions on living arrangement or living environment in the HYS. As such, these analyses may also promote further discussion about the refinement of this set of HYS questions.

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<sup>1</sup> Annie E. Casey Foundation. (2012). Stepping Up For Kids: What Government and Communities Should do to Support Kinship Families. Retrieved from <http://www.aecf.org/resources/stepping-up-for-kids/> (citing Population Reference Bureau’s analysis of the 2011 Current Population Survey Annual Social and Economic Survey).

## *Methods*

Our initial analyses examined a number of risk-related questions to see if they were associated with living in kinship care among 10<sup>th</sup> graders, including questions on:

- Current and lifetime substance use
- School and family influences on substance use
- Mental health
- Health and healthcare
- Physical activity
- Sexual behavior and orientation
- Physical, emotional, and sexual abuse
- School achievement and school climate
- Violence-related behaviors

Chi-square tests were used to determine if associations between the defined groups and the risk variables were significant. Results with a p-value of less than 0.05 were reported as significant (marked in charts with an “\*” if significant).

Additional analyses compared the prevalence of the same risk variables across the population groups as follows among 8<sup>th</sup>, 10<sup>th</sup> and 12<sup>th</sup> graders combined:

- Kinship care compared to those who live with their parents
- Foster care compared to those who live with their parents
- Kinship care compared to youth in foster care
- Unstable housing compared to those in stable housing
- Homeless situations compared to those in stable housing
- Unstable housing compared to homeless situations

Logistic regression adjusted for grade level and gender was used to determine if associations were significant. Results with a p-value of less than 0.05 were reported as significant (marked in tables with bold text if significant).

This analysis of non-standard living arrangements and environments focuses on several relatively small populations. To generate sufficient numbers of respondents for analysis, the 2014 HYS census data (a combination of Washington State public schools randomly selected for the state sample and volunteer public schools) were used. Census results may be somewhat different from the state sample results for the groups in this analysis. The results for the state sample and the census samples are displayed on page 40 for comparison. Further exploration may be desired to determine if there are any differences between the state census and sample data sets of survey responses that could affect the interpretation of results.

# Preliminary Findings

## Living Arrangement Survey Questions and Results

The following tables provide results from the 2014 HYS census data for the three living arrangement questions.

Who did you live with <u>most</u> of the time in the last 30 days?	Grade 8	Grade 10	Grade 12
a. Parent(s) and/or step-parent(s)	93.7% (±0.2) (n=54007)	92.9% (±0.2) (n=49000)	90.5% (±0.3) (n=35575)
b. Relatives—like a grandparent, an aunt, an older brother—but NOT your parents	3.5% (±0.2) (n=2036)	4.0% (±0.2) (n=2103)	4.1% (±0.2) (n=1630)
c. Foster care parent(s)	0.5% (±0.1) (n=291)	0.7% (±0.1) (n=356)	0.8% (±0.1) (n=313)
d. An adult friend(s) of your family	0.3% (±0.0) (n=184)	0.6% (±0.1) (n=306)	1.0% (±0.1) (n=386)
e. Friends of yours with no adults present	0.4% (±0.0) (n=215)	0.5% (±0.1) (n=258)	0.8% (±0.1) (n=330)
f. On your own	0.5% (±0.1) (n=274)	0.5% (±0.1) (n=283)	1.1% (±0.1) (n=441)
g. Other	1.1% (±0.1) (n=646)	0.8% (±0.1) (n=442)	1.7% (±0.1) (n=651)
<i>Any living situation other than not living with parents/step-parents (with relatives, in foster care, with adult friend, on own, or other)</i>	6.3% (±0.2) (n=3646)	7.1% (±0.2) (n=3748)	9.5% (±0.3) (n=3751)

Where did you live most of the time in the last 30 days?	Grade 8	Grade 10	Grade 12
a. In a house, apartment, or mobile home	97.7% (±0.1) (n=56559)	97.3% (±0.1) (n=51451)	97.3% (±0.2) (n=38334)
b. In a motel or hotel	0.4% (±0.0) (n=214)	0.5% (±0.1) (n=268)	0.6% (±0.1) (n=220)
c. In a group home	0.3% (±0.0) (n=187)	0.4% (±0.1) (n=233)	0.4% (±0.1) (n=166)
d. In a shelter	0.2% (±0.0) (n=113)	0.3% (±0.0) (n=146)	0.3% (±0.1) (n=124)
e. In a car, park, or campground	0.1% (±0.0) (n=86)	0.3% (±0.0) (n=145)	0.3% (±0.1) (n=109)
f. On the street	0.3% (±0.0) (n=187)	0.4% (±0.1) (n=192)	0.4% (±0.1) (n=165)
g. Moved from place to place	0.5% (±0.1) (n=295)	0.5% (±0.1) (n=253)	0.4% (±0.1) (n=164)
h. Other	0.4% (±0.1) (n=254)	0.4% (±0.1) (n=207)	0.3% (±0.1) (n=133)
<i>Any living location not living in a house, apartment or mobile home (in motel/hotel, group home, shelter, car/park/campground, on street, place to place, other)</i>	2.3% (±0.1) (n=1336)	2.7% (±0.1) (n=1444)	2.7% (±0.2) (n=1081)

<b>Are your current living arrangements the result of losing your home because your family cannot afford housing?</b>	<b>Grade 8</b>	<b>Grade 10</b>	<b>Grade 12</b>
a. No	85.7% ( $\pm 0.3$ ) (n=48740)	88.1% ( $\pm 0.3$ ) (n=46042)	90.3% ( $\pm 0.3$ ) (n=35277)
b. Yes	4.8% ( $\pm 0.2$ ) (n=2740)	5.6% ( $\pm 0.2$ ) (n=2943)	5.8% ( $\pm 0.2$ ) (n=2262)
c. Not sure	9.5% ( $\pm 0.2$ ) (n=5380)	6.2% ( $\pm 0.2$ ) (n=3265)	4.0% ( $\pm 0.2$ ) (n=1548)



## Potential Living Arrangement Categories

### Summary of Potential Living Arrangement Populations by Grade

We looked at the percentages of youth in each of the following living arrangements, see the table below. For details about how each category was developed see the following section on Living Arrangement Category Definitions.

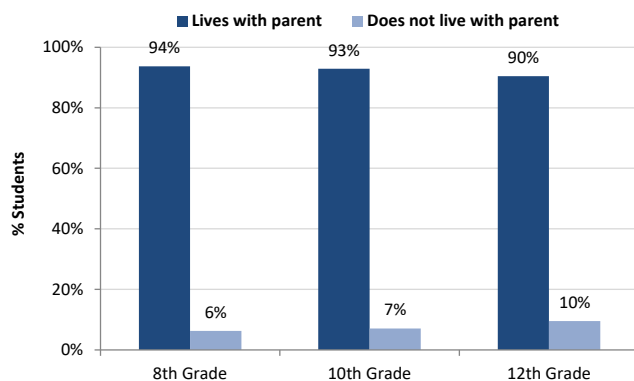
Category	Grade 8	Grade 10	Grade 12
Living with parents	94%	94%	91%
Kinship care	4%	4%	4%
Foster care	0.5%	0.7%	0.9%
Stable housing	98%	98%	98%
Unstable housing	2%	2%	2%
Homeless	0.7%	0.9%	1.0%
Living with parents in unstable housing	0.9%	0.8%	0.7%
Living without parents in unstable housing	0.9%	1.4%	1.6%
Housing issues due to finances	5%	6%	6%
Unstable housing due to finances	0.6%	0.9%	0.9%

## Selected Living Arrangement Category Definitions for Who They Live With

### Living with Parents Definition

In these analyses, “living with parents/step-parents” is computed from the following question and response options.

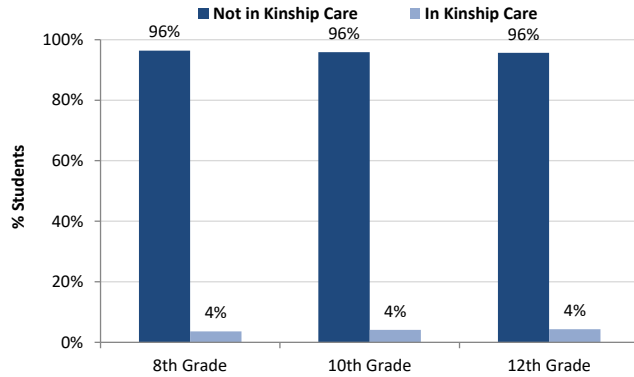
- Question: Who did you live with most of the time in the last 30 days?
- Collapsed responses:
  - “Living with parents/step-parents” = a. Parent(s) and/or step-parent(s)
  - “Not living with parents/step-parents” = b. Relatives—like a grandparent, an aunt, an older brother—but NOT your parents, c. Foster care parent(s), d. An adult friend(s) of your family, e. Friends of yours with no adults present, f. On your own, and g. Other



### Kinship Care Definition

In these analyses, “kinship care” is computed from the following question and response options.

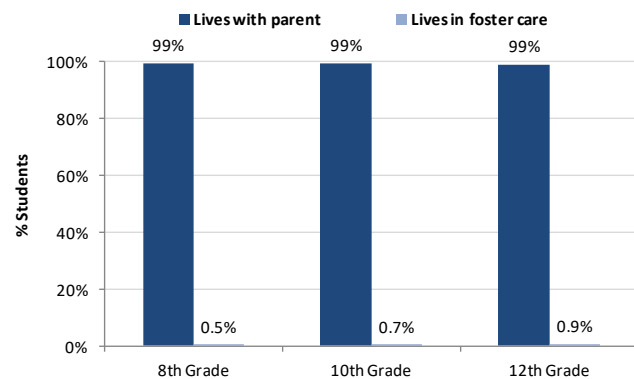
- Question: Who did you live with most of the time in the last 30 days?
- Collapsed responses:
  - “Kinship care” = b. Relatives—like a grandparent, an aunt, an older brother—but NOT your parents
  - “Living with parents/step-parents” = a. Parent(s) and/or step-parent(s)
  - Not included = c. Foster care parent(s), d. An adult friend(s) of your family, e. Friends of yours with no adults present, f. On your own, and g. Other



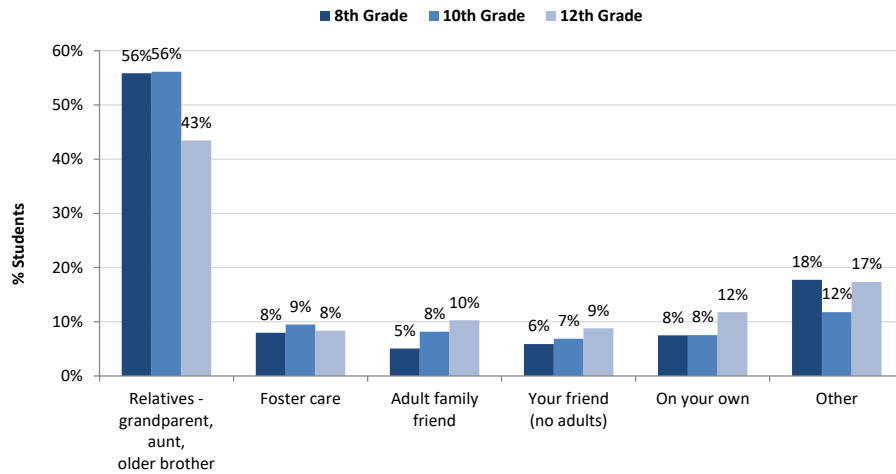
### Foster Care Definition

In these analyses, “Lives in foster care” is computed from the following question and response options.

- Question: Who did you live with most of the time in the last 30 days?
- Collapsed responses:
  - “Lives in foster care” = c. Foster care parent(s)
  - “Lives with parents” = a. Parent(s) and/or step-parent(s)
  - Not included = b. Relatives—like a grandparent, an aunt, an older brother—but NOT your parents, d. An adult friend(s) of your family, e. Friends of yours with no adults present, f. On your own, and g. Other



Among youth not living with parents/step-parents, here is the breakdown of the other responses by grade:

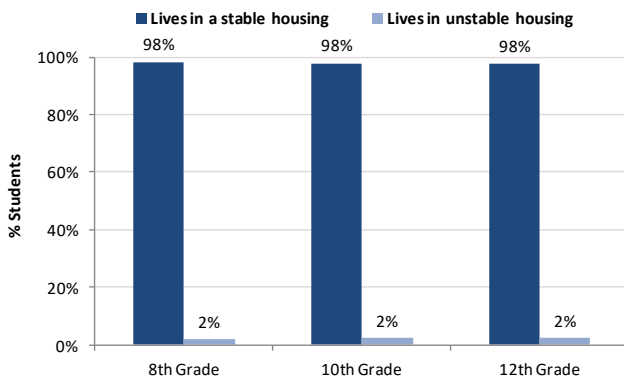


## Selected Living Arrangement Category Definitions for Where they Live

### Stable and Unstable Housing Definition

In these analyses, “living in unstable housing” is computed from the following question and response options.

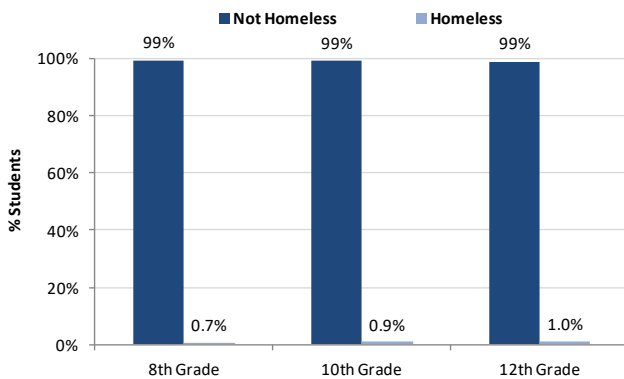
- Question: Where did you live most of the time in the last 30 days?
- Collapsed responses:
  - “Living in unstable housing” = b. In a motel or hotel, c. In a group home, d. In a shelter, e. In a car, park, or campground, f. On the street, g. Moved from place to place, h. Other
  - “Lives in stable housing” = a. In a house, apartment, or mobile home



## Homeless\* Definition

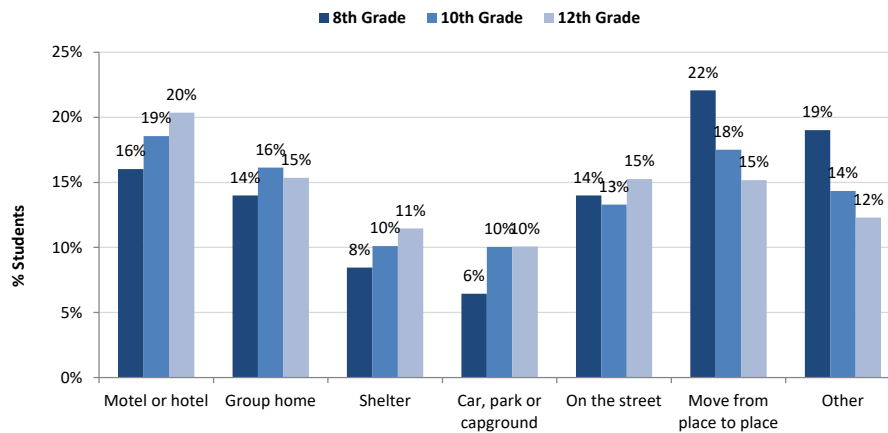
In these analyses, “homelessness” is computed from the following question and response options.

- Question: Where did you live most of the time in the last 30 days?
- Collapsed responses:
  - “Homeless” = d. In a shelter, e. In a car, park, or campground, f. On the street
  - “Not homeless” = a. In a house, apartment, or mobile home, b. In a motel or hotel, c. In a group home, g. Moved from place to place, h. Other



\*Note: The definition of homeless used in this analysis does not match the McKinney Vento Act definition of homeless. In this analysis, homeless does not include living in a motel or hotel. McKinney-Vento defines homeless children as “individuals who lack a fixed, regular, and inadequate nighttime residence” and provides examples including “children or youth living in motels, hotels, trailer parks, or camp grounds due to lack of alternative accommodations”.

Among youth living in unstable housing, here is the breakdown of the other responses by grade:



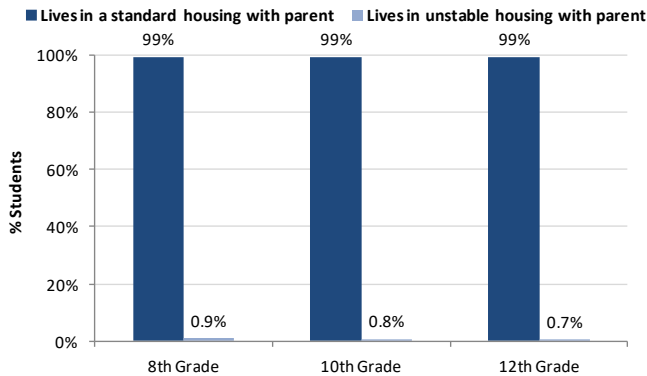
## Other Potential Living Arrangement Category Definitions

Using Healthy Youth Survey questions, there are a number of different ways to describe situations in which youth live. Below are four examples of other living situation definitions.

### Living with Parents in Unstable Housing Definition

In these analyses, “lives in unstable housing with parents” is computed from the following questions and response options.

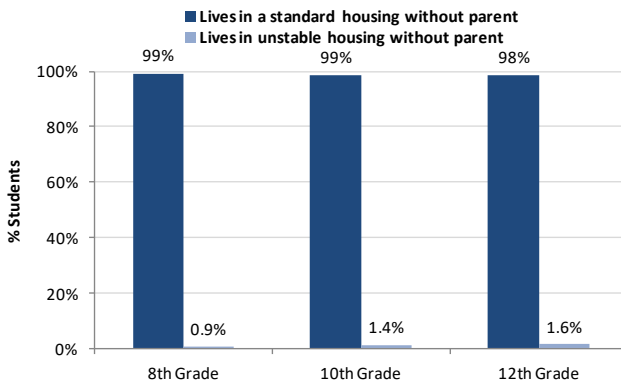
- Questions:
  - Where did you live most of the time in the last 30 days?
  - Who did you live with most of the time in the last 30 days?
- Collapsed responses:
  - “Lives in unstable housing with parents” = lives in unstable housing AND lives with parents
  - “Lives in standard housing with parents” = lives in standard housing AND lives with parents



### Living without Parents in Unstable Housing Definition

In these analyses, “lives in unstable housing without parents” is computed from the following questions and response options.

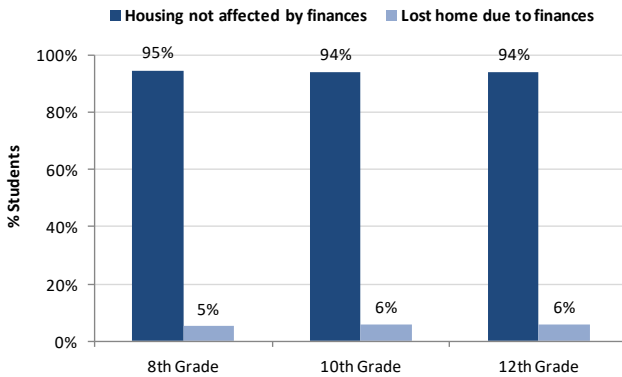
- Questions:
  - Where did you live most of the time in the last 30 days?
  - Who did you live with most of the time in the last 30 days?
- Collapsed responses:
  - “Lives in unstable housing without parents” = lives in unstable housing AND does not live with parent
  - “Lives in standard housing without parents” = lives in standard housing AND does not live with parents



### Housing Issues due to Finances

In these analyses, “lost home due to finances” is computed from the following question and response options.

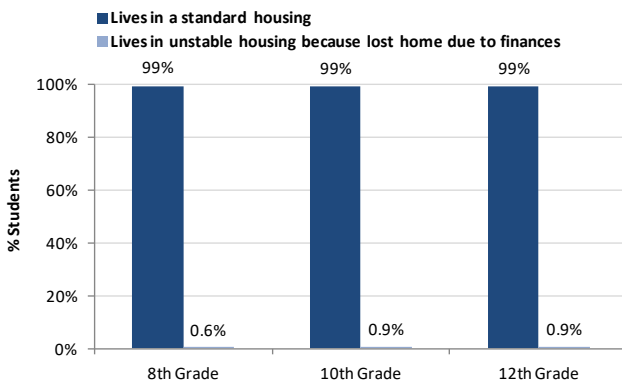
- Question: Are your current living arrangements the result of losing your home because your family cannot afford housing?
- Collapsed responses:
  - “Lost home due to finances” = b. Yes
  - “Housing not affected by finances” = a. No
  - Not included = c. Not sure



### Unstable Housing due to Finances Definition

In these analyses, “lives in unstable housing because lost home due to finances” is computed from the following questions and response options.

- Questions:
  - Where did you live most of the time in the last 30 days?
  - Are your current living arrangements the result of losing your home because your family cannot afford housing?
- Collapsed responses:
  - “Lives in unstable housing because lost home due to finances” = lives in unstable housing AND lost home due to finance
  - “Lives in standard housing” = lives in standard housing AND housing not affected by finances



# Preliminary Findings for Kinship Care

## Kinship Care Status Table by Risk-Related Questions among 10<sup>th</sup> Graders

This table provides the percentages of 10<sup>th</sup> graders who reported the health risk behaviors according to who they live with – parents/step-parents or in kinship care (with relative). Differences between the two groups are indicated by an “\*”.

HYS Measure	Living with Parents	In Kinship Care	Difference w/Parents vs. Kinship
	%	%	* = sig
<b>Current Substance Use</b>			
Smoked cigarettes in past 30 days	7%	16%	*
Used e-cig/vaped in past 30 days	17%	29%	*
Drank alcohol in past 30 days	20%	29%	*
Binge drank in past 2 weeks	11%	18%	*
Used marijuana in past 30 days	17%	29%	*
Used other illegal drug in past 30 days	4%	8%	*
Used painkillers to get high in past 30 days	4%	9%	*
Used non-prescribed prescriptions in past 30 days	7%	13%	*
<b>Lifetime Substance Use</b>			
Ever used inhalants	7%	13%	*
Ever used heroin	3%	5%	*
Ever used methamphetamine	3%	6%	*
Ever used cocaine	4%	9%	*
Ever used steroids, not prescribed	3%	4%	ns
<b>Substance Use - Use at Home &amp; Use at School</b>			
Live with someone who smokes cigarettes	24%	40%	*
Live with someone who uses marijuana	20%	34%	*
Drunk or high at school in past year	13%	26%	*
Used alcohol at school in past month	6%	11%	*
Used marijuana at school in past month	7%	12%	*
<b>Mental Health-related Issues</b>			
Experienced depressive feelings in past year	34%	49%	*
Considered suicide in past year	20%	32%	*
Attempted suicide in past year	9%	18%	*
Felt nervous, anxious or on edge in past 2 weeks	62%	66%	*
Not able to stop/control worrying in past 2 weeks	50%	57%	*
<b>Health and Healthcare-related Issues</b>			
Obese	11%	16%	*
Current asthma	10%	12%	*
Diagnosed with diabetes	3%	6%	*
No dentist checkup in past year	20%	40%	*
Missed school due to toothache in past year	3%	13%	*
Haven't visited doctor in past year	35%	45%	*
<b>Nutrition</b>			
Not getting 5 servings of fruits/vegetables	20%	24%	*
Drink sweetened beverages 2 times a day	11%	18%	*

HYS Measure	Living with Parents	In Kinship Care	Difference w/Parents vs. Kinship
	%	%	* = sig
Ate junk food 7 or more times in a week	4%	8%	*
Never/rarely eat dinner with family	19%	32%	*
Family had to cut meal size	12%	27%	*
Did not eat breakfast today	36%	45%	*
<b>Physical Activity</b>			
3 or more hours of TV daily	20%	26%	*
3 or more hours of video games/computer for fun	39%	43%	*
No participation in afterschool activities	33%	46%	*
Did not meet physical activity recommendations	24%	21%	*
<b>Sexual Behaviors and Orientation</b>			
Ever had sexual intercourse	24%	47%	*
Sex before age 13	14%	25%	*
Four or more sex partners	19%	20%	ns
Condom during last sex	36%	38%	ns
Gay or lesbian	1%	2%	ns
Bisexual	6%	11%	*
<b>Abuse and Sexual Abuse</b>			
Abused by an adult	25%	43%	*
Threatened by boyfriend/girlfriend	13%	21%	*
Hurt on purpose by boyfriend/girlfriend	9%	21%	*
Ever sexually abused	14%	25%	*
Sexually abused in past year	8%	14%	*
<b>School and Achievement</b>			
Usually get C's, D's or F's in school	25%	43%	*
Never/seldom enjoys school	27%	35%	*
Never/seldom try to do best work in school	8%	12%	*
Skipped school in past month	18%	26%	*
Less than 5 hours of sleep on a school night	15%	21%	*
<b>School Climate</b>			
Don't feel safe at school	15%	22%	*
Felt unsafe going to/from school	6%	21%	*
Bullied at school	23%	29%	*
Harassed with a computer or cell phone	13%	17%	*
Carried a weapon at school in past month	5%	9%	*
<b>Violence-related Behaviors</b>			
Fighting in the past year	21%	35%	*
In a gang	5%	9%	*
Carried a gun in the past month	4%	6%	*

“\*” indicates significantly higher difference at the 95% confidence level (p-value less than 0.05).

“\*” indicates significantly lower difference at the 95% confidence level (p-value less than 0.05).

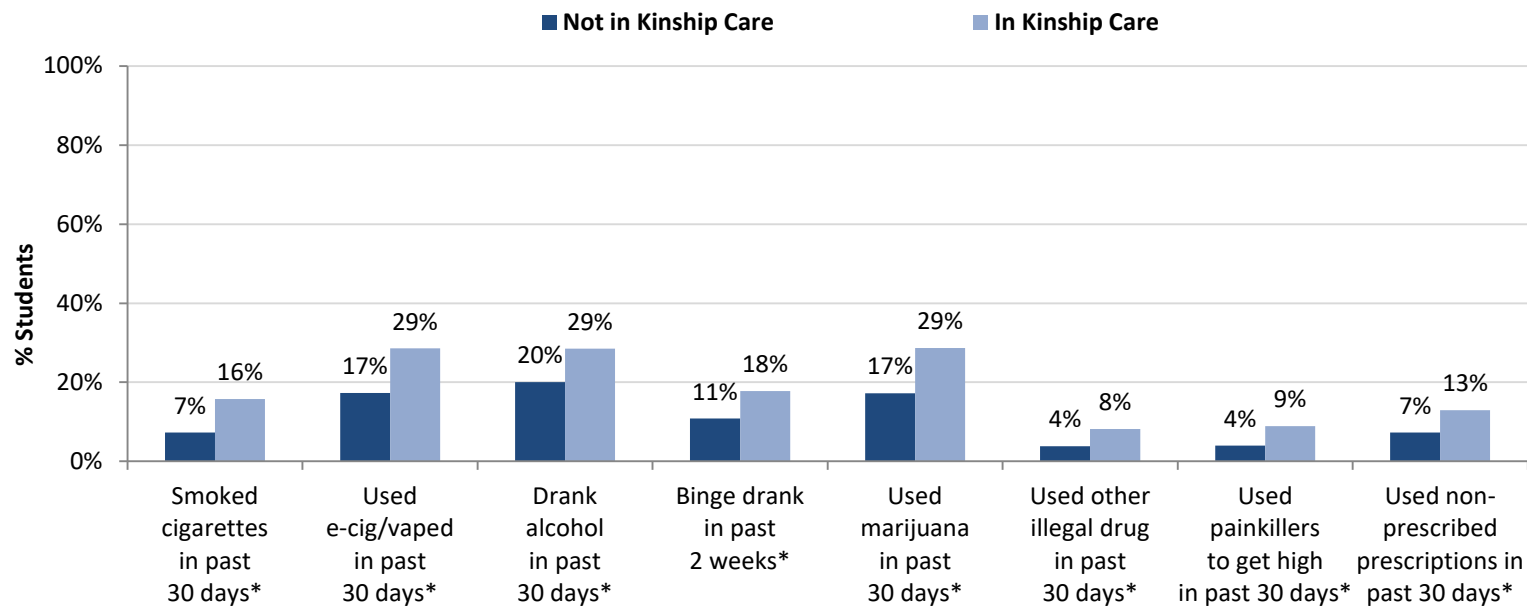
“ns” indicates difference is not significant



## Kinship Care Status Charts by Risk-Related Questions

The following charts provides the percentages of 10<sup>th</sup> graders who reported the health risk behaviors according to who they live with – parents/step-parents or in kinship care (with relative) . Differences between the two groups are indicated by an “\*”.

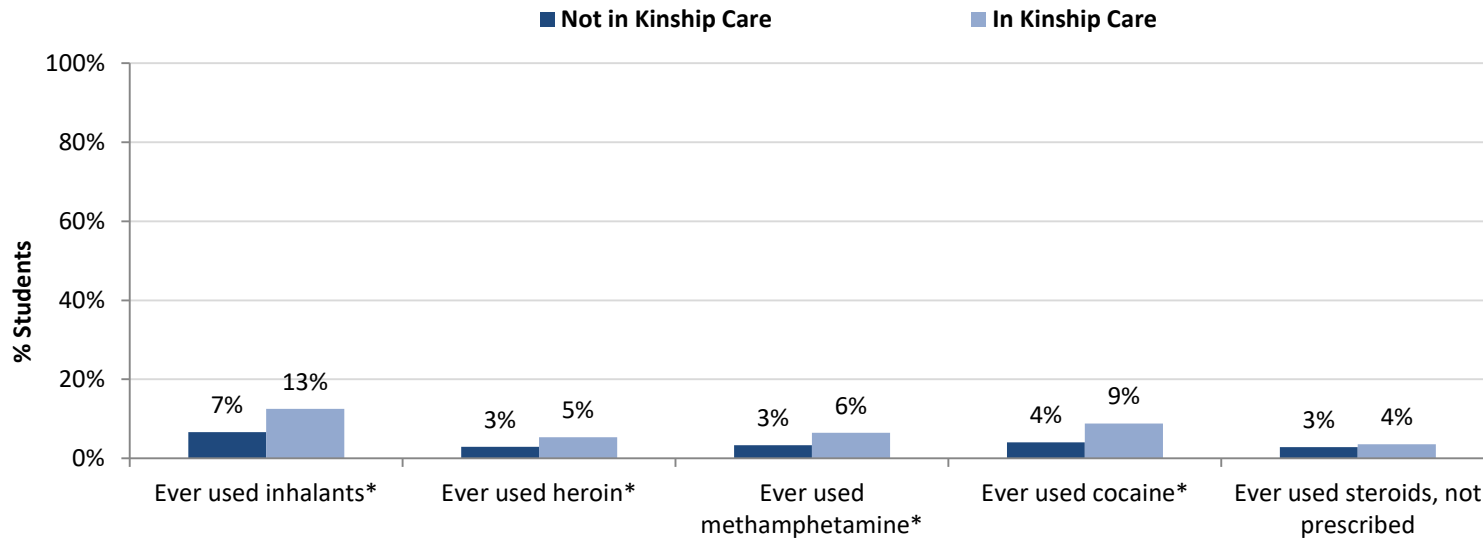
### Current Substance Use, Grade 10, 2014



Comparing 10<sup>th</sup> graders in kinship care to those who lived with their parents/step-parents: Current substance (past 30-day) use was higher among 10<sup>th</sup> graders in kinship care for all substance use measures, including:

- Cigarettes, e-cigs/vape pens, alcohol, binge drinking, marijuana, other illegal drugs (not including alcohol, tobacco or marijuana), painkillers to get high, and unsubscribed prescription drugs

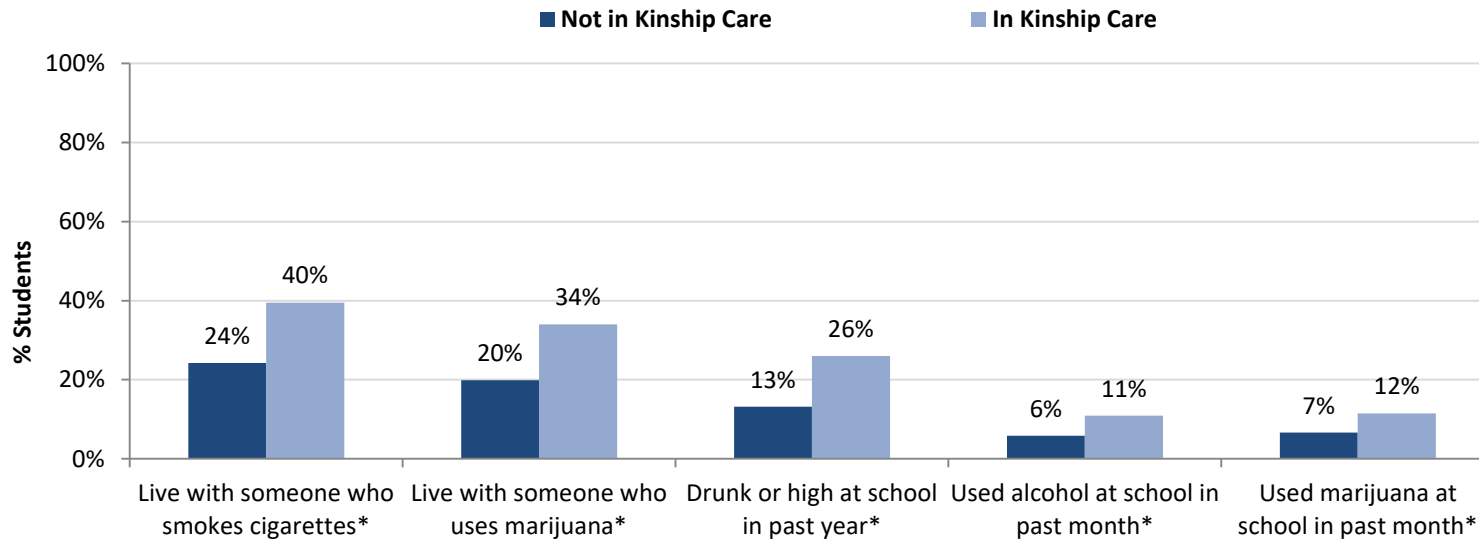
### Lifetime Substance Use, Grade 10, 2014



Comparing 10<sup>th</sup> graders in kinship care to those who lived with their parents/step-parents: Lifetime substance use was higher among 10<sup>th</sup> graders in kinship care for all but one substance use measures:

- Inhalants, heroin, methamphetamine, and cocaine use were higher
- Non-prescribed steroid use was not significantly associated

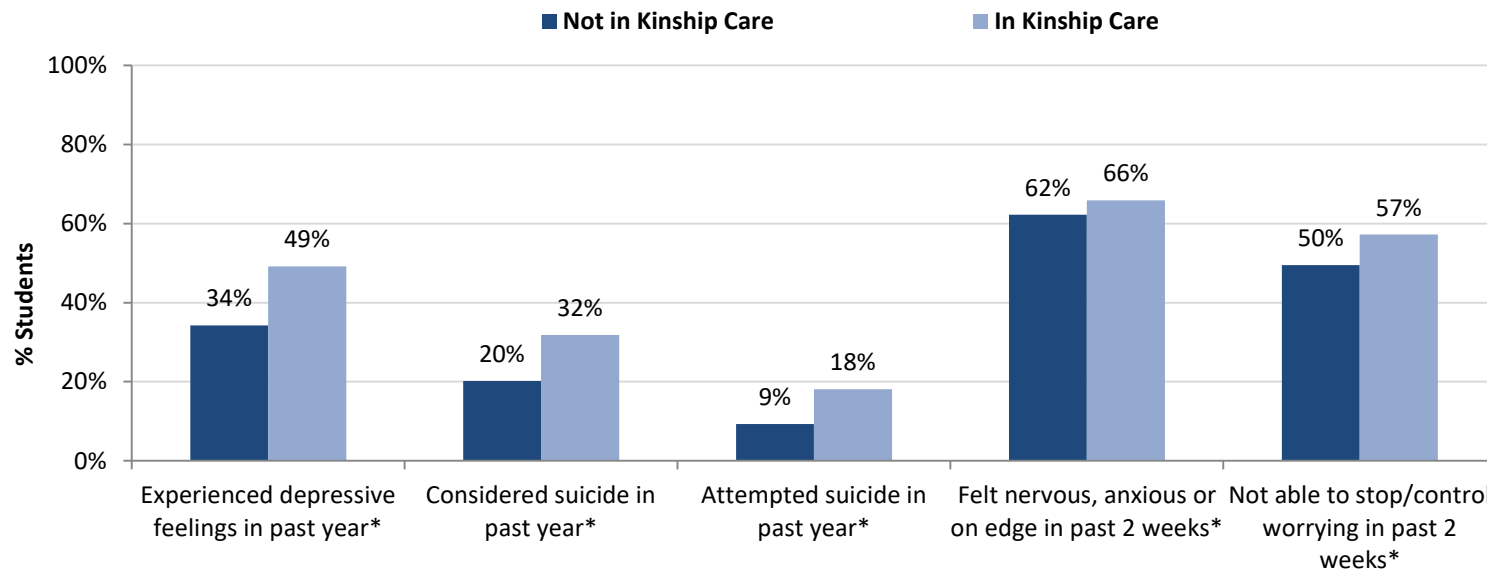
### Substance Use at School and Family Influences, Grade 10, 2014



Comparing 10<sup>th</sup> graders in kinship care to those who lived with their parents/step-parents: Substance use at home and school were higher among 10<sup>th</sup> graders in kinship care for all measures, including:

- Live with someone who smokes cigarettes, live with someone who uses marijuana, been drunk or high at school, used alcohol at school, and used marijuana at school

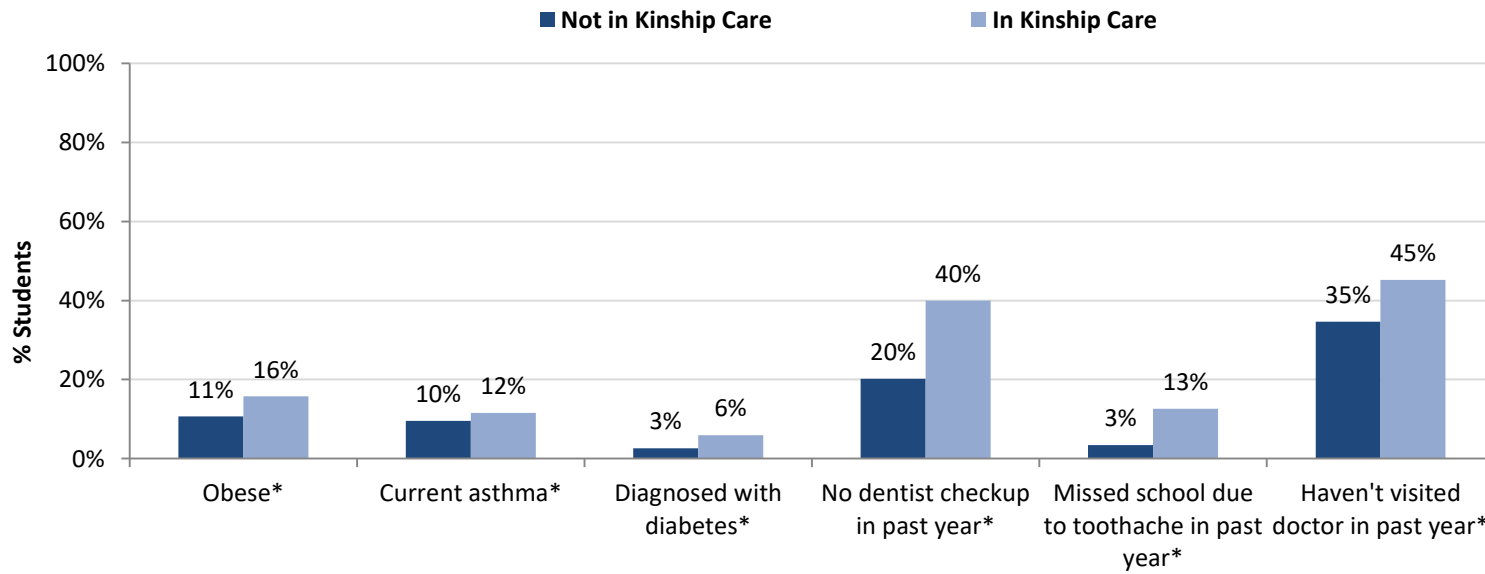
### Mental Health Related Issues, Grade 10, 2014



Comparing 10<sup>th</sup> graders in kinship care to those who lived with their parents/step-parents: Mental health issues were higher among 10<sup>th</sup> graders in kinship care for all measures, including:

- Depression, considered suicide, suicide attempt, felt nervous/anxious/on edge, and not able to stop/control worrying

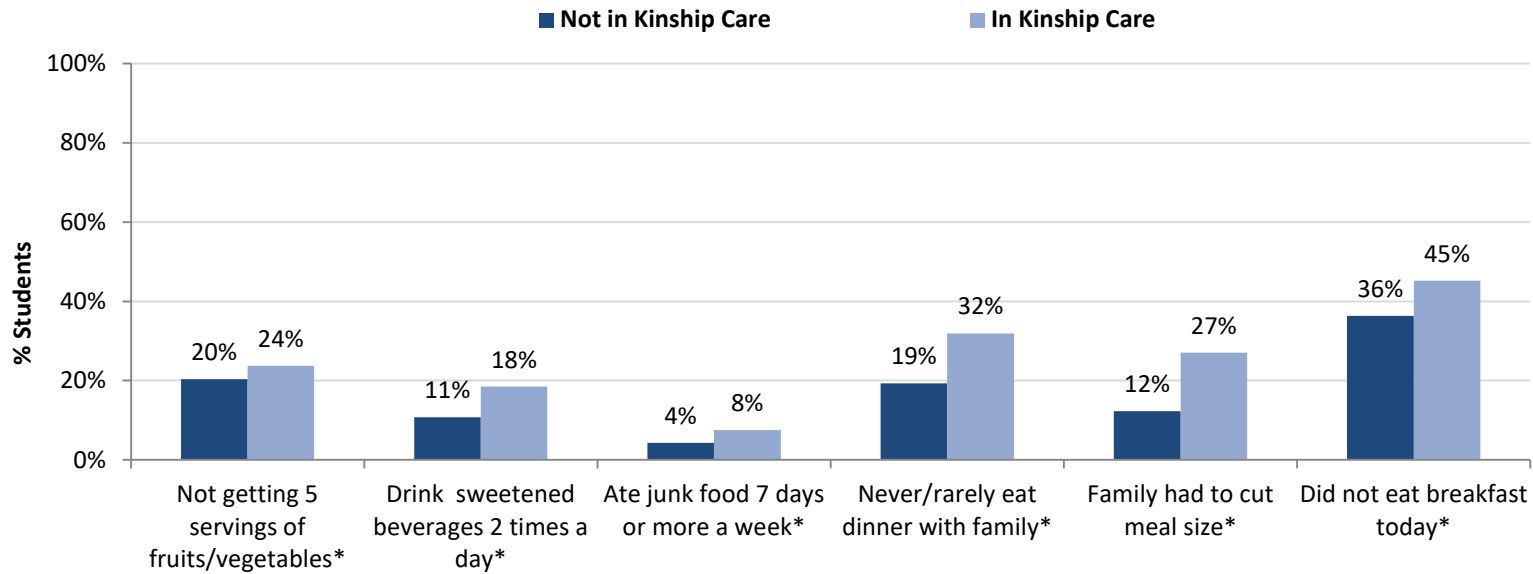
### Health and Healthcare-Related Issues, Grade 10, 2014



Comparing 10<sup>th</sup> graders in kinship care to those who lived with their parents/step-parents: Health and Healthcare-related issues were higher for all but one measure tested:

- Obesity, current asthma, no dental visit in past year, missed school due to toothache, no doctor visit in past year, and diabetes were higher

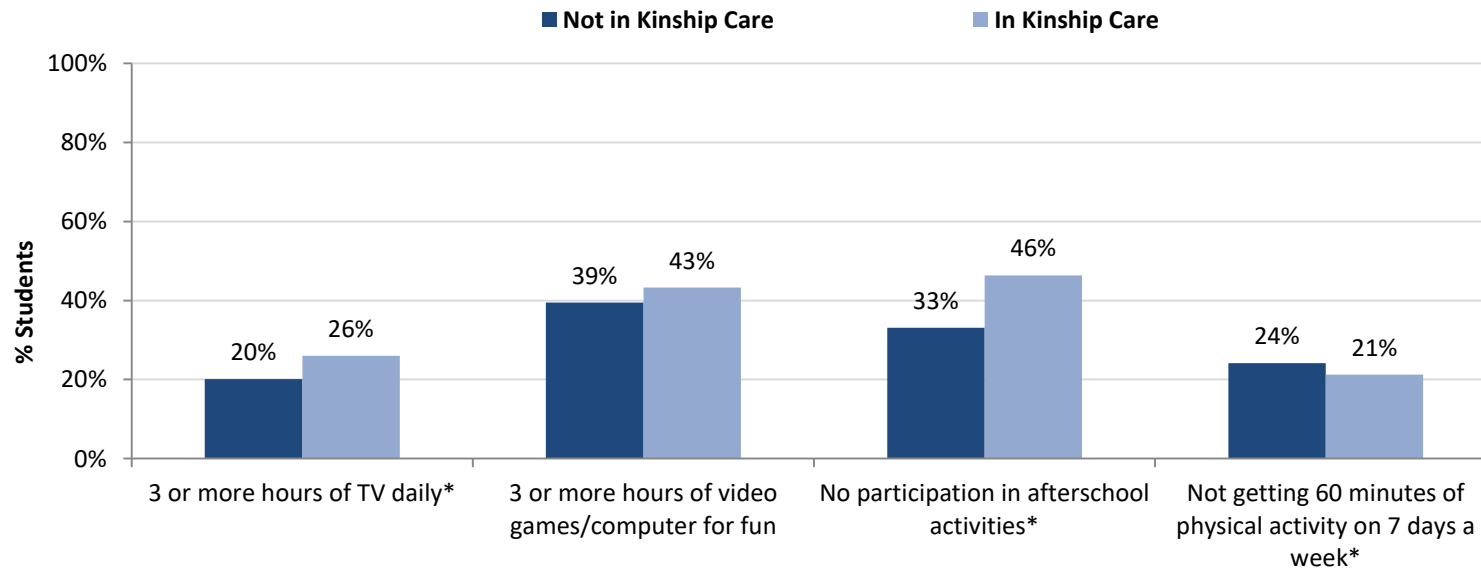
## Nutritional Issues, Grade 10, 2014



Comparing 10<sup>th</sup> graders in kinship care to those who lived with their parents/step-parents: Nutritional issues were higher among 10<sup>th</sup> graders in kinship care for all measures, including:

- Not getting 5 servings fruits/vegetables, frequent sweetened beverage drinking, frequent junk food eating, never/rarely eating dinner with family, family had to cut meal size, and did not eat breakfast yesterday

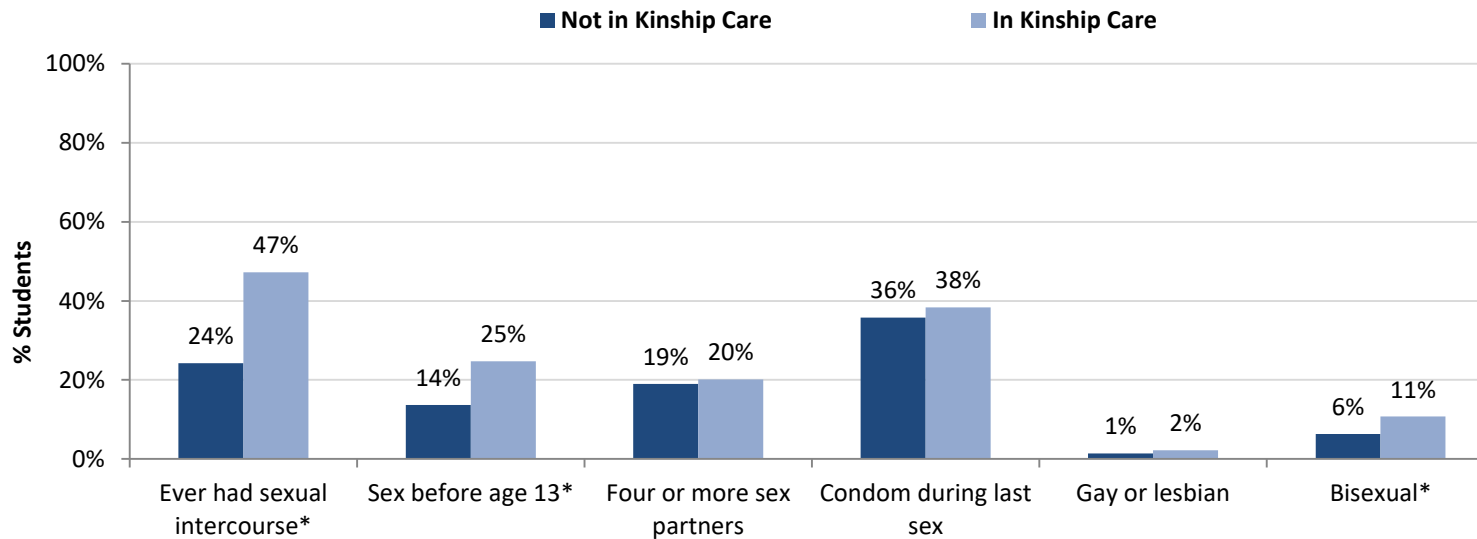
## Physical Activity, Grade 10, 2014



Comparing 10<sup>th</sup> graders in kinship care to those who lived with their parents/step-parents: Lack of physical activity was higher among 10<sup>th</sup> graders in kinship care for all but one measure:

- No participation in afterschool activities, 3 or more hours of TV daily, 3 or more hours of video game/computer use for fun were higher
- Not meeting physical activity recommendations (60 minutes/7 days a week) was significantly lower

### Sexual Behavior and Orientation, Grade 10, 2014

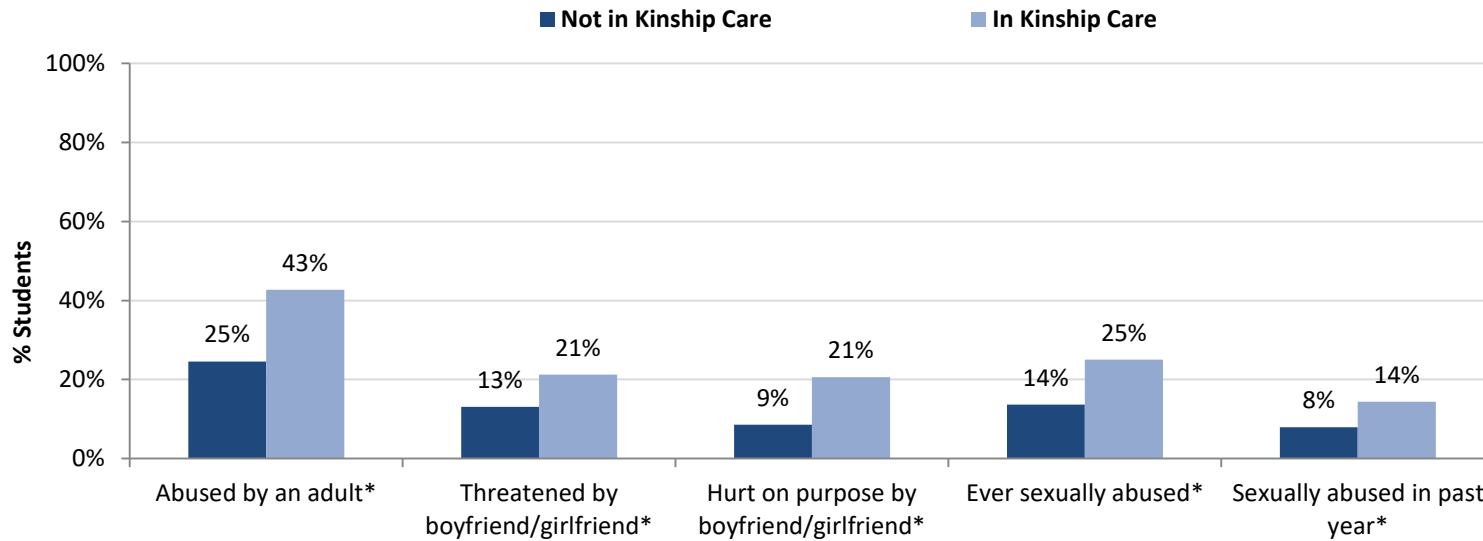


Comparing 10<sup>th</sup> graders in kinship care to those who lived with their parents/step-parents: Sexual behavior and orientation was different among 10<sup>th</sup> graders in kinship care for some measures:

- Ever had sexual intercourse, sex before age 13, and identifying as bisexual was higher
- Four or more sexual partners, condom use during last sex, and identifying as gay or lesbian were not significantly associated



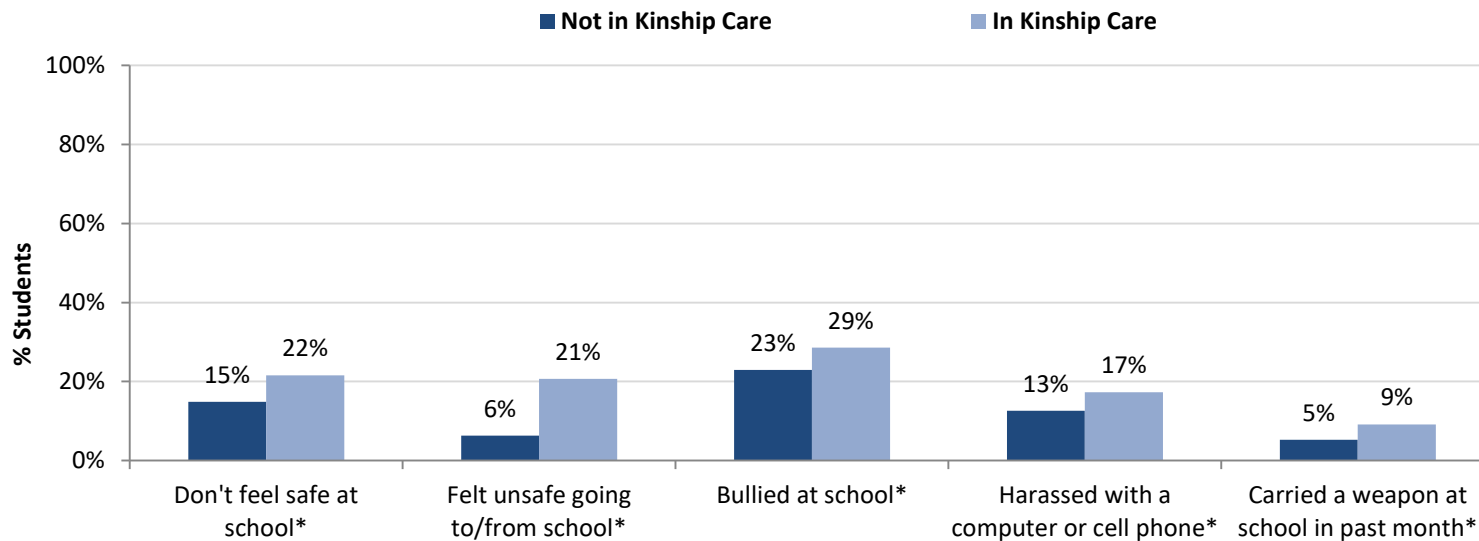
### Abuse and Sexual Abuse, Grade 10, 2014



Comparing 10<sup>th</sup> graders in kinship care to those who lived with their parents/step-parents: Abuse and sexual abuse was higher among 10<sup>th</sup> graders in kinship care for all measures, including:

- Abused by an adult, threatened by boyfriend/girlfriend, hurt on purpose by boyfriend/girlfriend, ever sexually abused, and sexually abused in past year

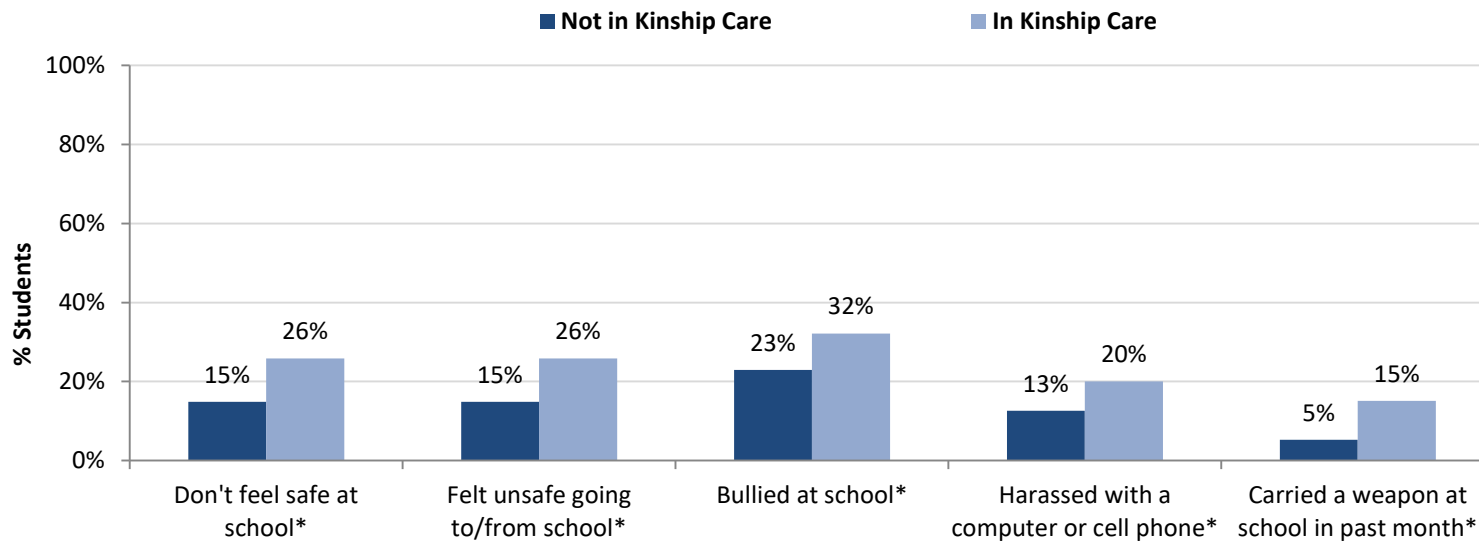
School Achievement and Related Issues, Grade 10, 2014



Comparing 10<sup>th</sup> graders in kinship care to those who lived with their parents/step-parents: School achievement-related risks were higher among 10<sup>th</sup> graders in kinship care for all measures, including:

- Usually getting low grades (C's, D's or F's), never/seldom enjoying school, never/seldom try to do best work in school, skipped school, and getting less than 5 hours of sleep on a school night

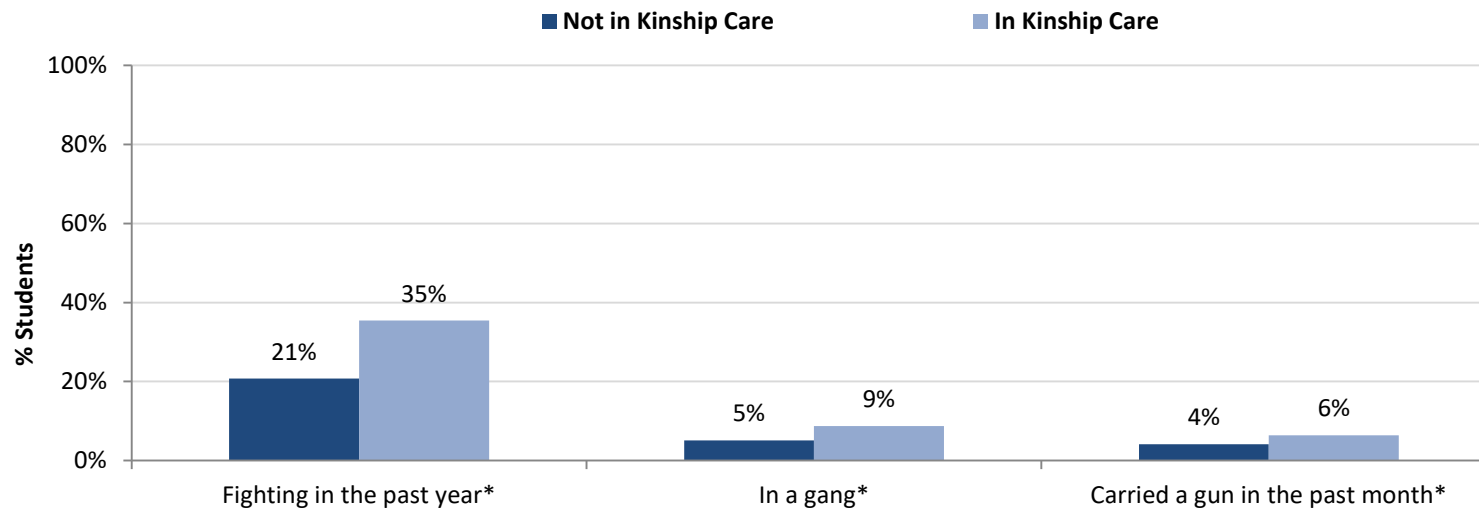
### School Climate and Related Issues, Grade 10, 2014



Comparing 10<sup>th</sup> graders in kinship care to those who lived with their parents/step-parents: School climate-related risks were higher among 10<sup>th</sup> graders in kinship care for all measures, including:

- Don't feel safe at school, felt unsafe going to/from school, bullied at school, harassed with computer/cell phone, and carried a weapon at school

### Violence Related Behaviors, Grade 10, 2014



Comparing 10<sup>th</sup> graders in kinship care to those who lived with their parents/step-parents: Violence-related behaviors were higher among 10<sup>th</sup> graders in kinship care for all measures, including:

- Fighting, in a gang, and carried a gun

# Preliminary Findings for Who They Live With

## Kinship Care & Foster Care Associations Table

This table provides odds ratios and p-values for health-risk behaviors among youth:

- In kinship care compared to youth living with a parent/step-parent
- In foster care compared to youth living with a parent/step-parent
- In foster care compared to youth in kinship care

The odds ratios presented in this table are measures of association between a living situation and an outcome like cigarette smoking. For example, looking at the results below:

- Youth in kinship care are 2.50 times more likely to smoke cigarettes than youth who live with their parents.
- Youth in foster care are 5.02 times more likely to smoke cigarettes than youth who live with their parents.
- Youth in foster care are 2.02 times more likely to smoke cigarettes than youth in kinship care.

The existence of an association does not necessarily imply that one thing causes the other.

HYS Measure	Comparing Kinship Care to Living with Parents				Comparing Foster Care to Living with Parents				Comparing Foster Care to Kinship Care			
	Odds Ratio	95% CI		P-value	Odds Ratio	95% CI		P-value	Odds Ratio	95% CI		P-value
<b>Current Substance Use</b>												
Smoked cigarettes in past 30 days	2.50	2.31	2.70	0.00	5.02	4.31	5.84	0.00	2.02	1.72	2.38	0.00
Used e-cig/vaped in past 30 days	1.92	1.76	2.09	0.00	3.32	2.79	3.95	0.00	1.75	1.45	2.10	0.00
Drank alcohol in past 30 days	1.57	1.48	1.68	0.00	2.06	1.77	2.39	0.00	1.33	1.14	1.55	0.00
Binge drank in past 2 weeks	1.74	1.62	1.88	0.00	3.33	2.85	3.88	0.00	1.92	1.63	2.25	0.00
Used marijuana in past 30 days	2.06	1.93	2.19	0.00	3.01	2.60	3.49	0.00	1.49	1.28	1.73	0.00
Used other illegal drug in past 30 days	2.32	2.09	2.58	0.00	4.99	4.15	5.99	0.00	2.17	1.77	2.67	0.00
Used painkillers to get high in past 30 days	2.19	1.97	2.44	0.00	5.08	4.23	6.09	0.00	2.35	1.92	2.88	0.00
Used non-prescribed prescriptions in past 30 days	1.82	1.60	2.07	0.00	3.08	2.32	4.10	0.00	1.70	1.25	2.32	0.00
<b>Lifetime Substance Use</b>												
Ever used inhalants	1.97	1.73	2.24	0.00	3.56	2.67	4.74	0.00	1.80	1.32	2.45	0.00
Ever used heroin	2.01	1.68	2.41	0.00	5.52	3.99	7.63	0.00	2.75	1.92	3.96	0.00
Ever used methamphetamine	2.02	1.70	2.39	0.00	6.54	4.86	8.79	0.00	3.22	2.30	4.50	0.00

HYS Measure	Comparing Kinship Care to Living with Parents				Comparing Foster Care to Living with Parents				Comparing Foster Care to Kinship Care			
	Odds Ratio	95% CI		P-value	Odds Ratio	95% CI		P-value	Odds Ratio	95% CI		P-value
		Lower	Upper			Lower	Upper			Lower	Upper	
Ever used cocaine	2.07	1.78	2.40	0.00	4.30	3.14	5.87	0.00	2.07	1.48	2.90	0.00
Ever used steroids, not prescribed	1.51	1.23	1.86	0.00	3.97	2.71	5.83	0.00	2.65	1.72	4.07	0.00
<b>Substance Use - Use at Home &amp; Use at School</b>												
Live with someone who smokes cigarettes	2.20	2.03	2.38	0.00	2.71	2.30	3.20	0.00	1.23	1.03	1.48	0.03
Live with someone who uses marijuana	1.94	1.77	2.13	0.00	1.56	1.20	2.02	0.00	0.80	0.61	1.06	0.12
Drunk or high at school in past year	2.33	2.11	2.57	0.00	3.93	3.09	5.01	0.00	1.69	1.31	2.17	0.00
Used alcohol at school in past month	1.96	1.70	2.28	0.00	4.01	2.96	5.45	0.00	2.04	1.47	2.84	0.00
Used marijuana at school in past month	2.06	1.80	2.37	0.00	4.16	3.11	5.56	0.00	1.99	1.45	2.72	0.00
<b>Mental Health-related Issues</b>												
Experienced depressive feelings in past year	1.84	1.75	1.95	0.00	1.81	1.59	2.07	0.00	1.00	0.86	1.16	1.00
Considered suicide in past year	1.94	1.83	2.06	0.00	2.04	1.77	2.36	0.00	1.07	0.91	1.26	0.39
Attempted suicide in past year	2.28	2.06	2.53	0.00	4.28	3.52	5.20	0.00	1.87	1.51	2.32	0.00
Felt nervous, anxious or on edge in past 2 weeks	1.18	1.11	1.25	0.00	1.33	1.15	1.54	0.00	1.14	0.98	1.33	0.09
Not able to stop/control worrying in past 2 weeks	1.44	1.36	1.53	0.00	1.81	1.57	2.09	0.00	1.27	1.09	1.48	0.00
<b>Health-related Issues</b>												
Obese	1.47	1.31	1.64	0.00	1.26	0.98	1.63	0.07	0.89	0.68	1.17	0.42
Current asthma	1.24	1.10	1.39	0.00	1.25	0.97	1.63	0.09	1.02	0.77	1.35	0.91
Diagnosed with diabetes	2.37	2.02	2.78	0.00	8.65	6.99	10.71	0.00	3.56	2.74	4.62	0.00
<b>Healthcare Access-related Issues</b>												
No dentist checkup in past year	2.54	2.35	2.74	0.00	4.06	3.46	4.77	0.00	1.56	1.30	1.86	0.00
Missed school due to toothache in past year	3.52	3.12	3.97	0.00	11.77	9.76	14.19	0.00	3.25	2.62	4.04	0.00
Haven't visited doctor in past year	1.56	1.45	1.68	0.00	2.24	1.91	2.64	0.00	1.41	1.18	1.69	0.00

HYS Measure	Comparing Kinship Care to Living with Parents				Comparing Foster Care to Living with Parents				Comparing Foster Care to Kinship Care			
	Odds Ratio	95% CI Lower	95% CI Upper	P-value	Odds Ratio	95% CI Lower	95% CI Upper	P-value	Odds Ratio	95% CI Lower	95% CI Upper	P-value
<b>Nutrition</b>												
Not getting 5 servings of fruits/vegetables	1.15	1.05	1.25	0.00	1.63	1.37	1.94	0.00	1.42	1.17	1.72	0.00
Drink sweetened beverages 2 times a day	1.70	1.54	1.88	0.00	2.27	1.87	2.76	0.00	1.36	1.09	1.68	0.01
Ate junk food 7 or more times in a week	1.67	1.44	1.93	0.00	2.77	2.14	3.58	0.00	1.70	1.27	2.27	0.00
Never/rarely eat dinner with family	2.05	1.90	2.23	0.00	2.30	1.93	2.73	0.00	1.12	0.93	1.35	0.24
Family had to cut meal size	2.59	2.43	2.76	0.00	5.31	4.65	6.07	0.00	2.04	1.76	2.35	0.00
Did not eat breakfast today	1.54	1.43	1.66	0.00	1.64	1.39	1.93	0.00	1.06	0.89	1.27	0.49
<b>Physical Activity</b>												
3 or more hours of TV daily	1.28	1.18	1.40	0.00	1.38	1.15	1.66	0.00	1.09	0.89	1.34	0.39
3 or more hours of video games/computer for fun	1.19	1.11	1.29	0.00	0.73	0.61	0.87	0.00	0.63	0.52	0.76	0.00
No participation in afterschool activities	1.69	1.60	1.78	0.00	1.24	1.08	1.41	0.00	0.74	0.64	0.86	0.00
Did not meet physical activity recommendations	0.91	0.83	0.99	0.03	0.74	0.61	0.91	0.00	0.83	0.67	1.03	0.09
<b>Sexual Behaviors and Orientation</b>												
Ever had sexual intercourse	2.51	2.14	2.93	0.00	7.24	5.01	10.45	0.00	2.70	1.87	3.90	0.00
Sex before age 13	2.01	1.54	2.62	0.00	4.44	2.97	6.63	0.00	2.15	1.37	3.38	0.00
Four or more sex partners	1.18	0.94	1.50	0.16	1.89	1.31	2.74	0.00	1.58	1.02	2.46	0.04
Condom during last sex	1.34	1.09	1.64	0.01	2.09	1.46	2.99	0.00	1.56	1.03	2.35	0.04
Gay or lesbian	2.07	1.38	3.10	0.00	3.49	1.40	8.73	0.01	1.87	0.68	5.18	0.23
Bisexual	1.84	1.47	2.30	0.00	2.57	1.47	4.51	0.00	1.35	0.73	2.51	0.33
<b>Abuse and Sexual Abuse</b>												
Abused by an adult	2.19	2.02	2.37	0.00	3.43	2.90	4.05	0.00	1.58	1.32	1.90	0.00
Threatened by boyfriend/girlfriend	1.59	1.40	1.81	0.00	3.97	3.20	4.93	0.00	2.37	1.86	3.02	0.00
Hurt on purpose by boyfriend/girlfriend	2.43	2.13	2.77	0.00	6.98	5.68	8.58	0.00	2.78	2.20	3.53	0.00
Ever sexually abused	1.95	1.64	2.31	0.00	6.91	4.99	9.56	0.00	3.20	2.26	4.54	0.00

HYS Measure	Comparing Kinship Care to Living with Parents				Comparing Foster Care to Living with Parents				Comparing Foster Care to Kinship Care			
	Odds Ratio	95% CI		P-value	Odds Ratio	95% CI		P-value	Odds Ratio	95% CI		P-value
		Lower	Upper			Lower	Upper			Lower	Upper	
Sexually abused in past year	1.90	1.54	2.33	0.00	6.22	4.46	8.70	0.00	2.97	2.05	4.29	0.00
<b>School and Achievement</b>												
Usually get C's, D's or F's in school	2.17	2.05	2.30	0.00	2.89	2.53	3.30	0.00	1.35	1.17	1.55	0.00
Never/seldom enjoys school	1.38	1.30	1.47	0.00	1.72	1.50	1.97	0.00	1.26	1.09	1.45	0.00
Never/seldom try to do best work in school	1.56	1.38	1.78	0.00	2.61	1.95	3.48	0.00	1.68	1.23	2.29	0.00
Skipped school in past month	1.58	1.45	1.73	0.00	1.95	1.55	2.45	0.00	1.23	0.97	1.57	0.09
Less than 5 hours of sleep on a school night	1.67	1.51	1.84	0.00	2.22	1.83	2.69	0.00	1.34	1.09	1.66	0.01
<b>School Climate</b>												
Don't feel safe at school	1.52	1.42	1.62	0.00	2.29	1.99	2.65	0.00	1.51	1.29	1.77	0.00
Felt unsafe going to/from school	3.69	3.34	4.07	0.00	13.25	11.17	15.73	0.00	3.38	2.80	4.09	0.00
Bullied at school	1.35	1.27	1.43	0.00	1.98	1.73	2.27	0.00	1.48	1.28	1.72	0.00
Harassed with a computer or cell phone	1.55	1.40	1.71	0.00	1.86	1.51	2.30	0.00	1.19	0.95	1.49	0.14
Carried a weapon at school in past month	1.72	1.56	1.91	0.00	3.54	2.95	4.24	0.00	2.09	1.70	2.55	0.00
<b>Violence-related Behaviors</b>												
Fighting in the past year	1.99	1.87	2.11	0.00	2.71	2.37	3.10	0.00	1.37	1.18	1.58	0.00
In a gang	1.90	1.72	2.09	0.00	3.27	2.72	3.93	0.00	1.75	1.43	2.15	0.00
Carried a gun in the past month	1.47	1.26	1.72	0.00	3.82	3.02	4.82	0.00	2.59	1.96	3.42	0.00



## Summary of Kinship Care and Foster Care Findings

### Results for Associated Risks with Kinship Care among All Youth

See the Kinship Care & Foster Care Associations Table for details.

Comparing all youth in kinship care to those who lived with their parents/step-parents and adjusting for grade level and gender, we found a number of risks that were associated with living in kinship care. As noted in the Introduction, “association” is not the same as “causation”:

- Current substance use – all measures
- Lifetime substance use – all measures
- Substance use at home and at school – all measures
- Mental health – all measures
- Health-related issues – all measures
- Healthcare access-related issues – all measures
- Nutrition – all measures
- Physical activity – 3 out of 4 measures
- Sexual behaviors – 5 out of 6 measures
- Abuse and sexual abuse – all measures
- School achievement – all measures
- School climate – all measures
- Violence-related behaviors – all measures.

On a positive note, youth in kinship care were more likely than those who lived with their parents to get the recommended amount of physical activity. Having four or more sexual partners was not significantly associated with living in kinship care when compared to living with parents.

### Results for Associated Risks with Foster Care among All Youth

Comparing all youth in foster care to those who lived with their parents/step-parents and adjusting for grade level and gender, we found a number of risks that were associated with living in foster care. As noted in the Introduction, “association” is not the same as “causation”:

- Current substance use – all measures
- Lifetime substance use – all measures
- Substance use at home and at school – all measures
- Mental health – all measures
- Health-related issues – 1 out of 3 measures (diabetes)
- Healthcare access-related issues – all measures
- Nutrition – all measures
- Physical activity – 2 out of 4 measures
- Sexual behaviors – all measures
- Abuse and sexual abuse – all measures
- School achievement – all measures
- School climate – all measures
- Violence-related behaviors – all measures.

On a positive note, youth in foster care were more likely than those who lived with their parents to get the recommended amount of physical activity and less likely to spend 3 or more hours playing video games or using the computer for fun on a school day. Obesity and current asthma were not associated with living in kinship care when compared to living with parents.

### **Comparing Associated Risks between Youth in Kinship Care to Youth in Foster Care**

Comparing all youth in kinship care to those in foster care and adjusting for grade level and gender, we found a number of risks that were associated with living in foster care. Note that although there is some overlap between the two (some relative caregivers are licensed), youth in kinship care at least have the advantage of being cared for within the extended biological family:

- Current substance use – all measures
- Lifetime substance use – all measures
- Substance use at home and at school – 4 out of 5 measures
- Mental health – 4 out of 4 measures
- Health-related issues – 1 out of 3 measures (diabetes)
- Healthcare access-related issues – all measures
- Nutrition – 4 out of 6 measures
- Physical activity – no measures
- Sexual behaviors – 4 out of 6 measures
- Abuse and sexual abuse – all measures
- School achievement – 4 out of 5 measures
- School climate – 4 out of 5 measures
- Violence-related behaviors – all measures.

On a positive note, youth in foster care were more likely than those in kinship care to participate in after school activities and less likely to spend 3 or more hours playing video games or using the computer for fun on a school day. While a number of measures were associated with kinship care and with foster care, they were not associated when we compared youth in kinship care to youth in foster care, including:

- Living with a marijuana user, feeling nervous/anxious/on edge, never/rarely eating dinner with family, not eating breakfast, 3 or more hours of TV daily, identifying as gay or lesbian, identifying as bisexual, skipping school, or being harassed with a computer/cell phone.

Getting the recommended amount of physical activity was not associated. Obesity and current asthma were not associated (nor were they associated with foster care).

# Preliminary Findings for Where They Live

## Unstable Housing & Homelessness Associations Table

This table provides odds ratios and p-values for health-risk behaviors among:

- Unstably housed youth to stably housed youth
- Homeless youth to stably housed youth
- Homeless youth to unstably housed youth

HYS Measures	Comparing Unstably Housed to Stably Housed				Comparing Homeless to Stably Housed				Comparing Homeless to Unstably Housed			
	Odds Ratio	95% CI		P-value	Odds Ratio	95% CI		P-value	Odds Ratio	95% CI		P-value
		Lower	Upper			Lower	Upper			Lower	Upper	
<b>Current Substance Use</b>												
Smoked cigarettes in past 30 days	5.10	4.65	5.60	0.00	8.27	7.30	9.37	0.00	1.63	1.40	1.89	0.00
Used e-cig/vaped in past 30 days	2.95	2.66	3.29	0.00	4.10	3.55	4.73	0.00	1.40	1.19	1.66	0.00
Drank alcohol in past 30 days	2.75	2.52	3.00	0.00	4.27	3.77	4.84	0.00	1.53	1.33	1.77	0.00
Binge drank in past 2 weeks	4.14	3.78	4.54	0.00	7.29	6.44	8.25	0.00	1.75	1.51	2.02	0.00
Used marijuana in past 30 days	3.47	3.18	3.78	0.00	5.53	4.89	6.26	0.00	1.60	1.38	1.84	0.00
Used other illegal drug in past 30 days	6.74	6.07	7.49	0.00	11.82	10.36	13.47	0.00	1.77	1.51	2.08	0.00
Used painkillers to get high in past 30 days	6.59	5.93	7.33	0.00	12.19	10.72	13.86	0.00	1.86	1.58	2.18	0.00
Used non-prescribed prescriptions in past 30 days	4.84	4.11	5.68	0.00	9.55	7.64	11.94	0.00	1.92	1.46	2.54	0.00
<b>Lifetime Substance Use</b>												
Ever used inhalants	4.18	3.53	4.96	0.00	7.97	6.33	10.02	0.00	1.95	1.47	2.60	0.00
Ever used heroin	5.47	4.46	6.70	0.00	14.48	11.40	18.39	0.00	2.73	2.00	3.72	0.00
Ever used methamphetamine	5.82	4.80	7.06	0.00	13.32	10.50	16.88	0.00	2.29	1.69	3.11	0.00
Ever used cocaine	5.07	4.21	6.10	0.00	12.35	9.74	15.66	0.00	2.54	1.90	3.41	0.00
Ever used steroids, not prescribed	6.57	5.40	8.00	0.00	13.07	10.23	16.71	0.00	2.00	1.47	2.74	0.00
<b>Substance Use - Use at Home &amp; Use at School</b>												
Live with someone who	2.96	2.68	3.28	0.00	3.24	2.82	3.72	0.00	1.08	0.91	1.28	0.37

HYS Measures	Comparing Unstably Housed to Stably Housed				Comparing Homeless to Stably Housed				Comparing Homeless to Unstably Housed			
	Odds Ratio	95% CI		P-value	Odds Ratio	95% CI		P-value	Odds Ratio	95% CI		P-value
		Lower	Upper			Lower	Upper			Lower	Upper	
smokes cigarettes												
Live with someone who uses marijuana	2.82	2.42	3.28	0.00	3.50	2.79	4.40	0.00	1.28	0.97	1.69	0.09
Drunk or high at school in past year	4.28	3.69	4.96	0.00	8.39	6.68	10.55	0.00	1.94	1.48	2.54	0.00
Used alcohol at school in past month	6.10	5.14	7.25	0.00	15.12	12.02	19.01	0.00	2.52	1.89	3.34	0.00
Used marijuana at school in past month	5.97	5.04	7.06	0.00	13.52	10.74	17.01	0.00	2.32	1.75	3.08	0.00
<b>Mental Health-related Issues</b>												
Experienced depressive feelings in past year	1.96	1.81	2.13	0.00	2.15	1.92	2.42	0.00	1.11	0.96	1.28	0.16
Considered suicide in past year	2.11	1.93	2.30	0.00	3.09	2.74	3.48	0.00	1.47	1.26	1.71	0.00
Attempted suicide in past year	3.48	3.08	3.94	0.00	5.80	4.98	6.76	0.00	1.62	1.34	1.95	0.00
Felt nervous, anxious or on edge in past 2 weeks	1.45	1.33	1.59	0.00	1.74	1.52	1.98	0.00	1.16	1.00	1.35	0.06
Not able to stop/control worrying in past 2 weeks	1.85	1.69	2.02	0.00	2.40	2.12	2.73	0.00	1.24	1.07	1.44	0.00
<b>Health-related Issues</b>												
Obese	1.34	1.15	1.55	0.00	1.56	1.28	1.90	0.00	1.19	0.93	1.53	0.16
Current asthma	1.11	0.94	1.31	0.24	1.11	0.88	1.39	0.37	1.01	0.76	1.35	0.92
Diagnosed with diabetes	9.07	7.94	10.35	0.00	12.84	10.92	15.10	0.00	1.40	1.14	1.70	0.00
<b>Healthcare Access-related Issues</b>												
No dentist checkup in past year	4.53	4.10	5.00	0.00	6.34	5.50	7.30	0.00	1.37	1.15	1.62	0.00
Missed school due to toothache in past year	12.22	10.85	13.75	0.00	18.51	15.90	21.56	0.00	1.47	1.22	1.77	0.00
Haven't visited doctor in past year	3.05	2.75	3.37	0.00	3.69	3.20	4.25	0.00	1.19	1.00	1.42	0.052
<b>Nutrition</b>												
Not getting 5 servings of fruits/vegetables	2.01	1.81	2.24	0.00	2.27	1.97	2.61	0.00	1.12	0.94	1.33	0.21

HYS Measures	Comparing Unstably Housed to Stably Housed				Comparing Homeless to Stably Housed				Comparing Homeless to Unstably Housed			
	Odds Ratio	95% CI		P-value	Odds Ratio	95% CI		P-value	Odds Ratio	95% CI		P-value
		Lower	Upper			Lower	Upper			Lower	Upper	
Drink sweetened beverages 2 times a day	2.96	2.64	3.31	0.00	3.79	3.28	4.38	0.00	1.30	1.09	1.56	0.00
Ate junk food 7 or more times in a week	3.32	2.86	3.84	0.00	5.57	4.71	6.58	0.00	1.69	1.36	2.10	0.00
Never/rarely eat dinner with family	3.10	2.80	3.43	0.00	3.52	3.07	4.04	0.00	1.14	0.96	1.35	0.13
Family had to cut meal size	7.69	7.10	8.34	0.00	14.20	12.58	16.03	0.00	1.79	1.55	2.07	0.00
Did not eat breakfast today	1.99	1.80	2.20	0.00	2.08	1.81	2.37	0.00	1.04	0.88	1.23	0.66
<b>Physical Activity</b>												
3 or more hours of TV daily	1.59	1.42	1.77	0.00	2.11	1.83	2.42	0.00	1.35	1.13	1.61	0.00
3 or more hours of video games/computer for fun	0.76	0.68	0.84	0.00	0.79	0.69	0.91	0.00	1.09	0.91	1.30	0.35
No participation in afterschool activities	1.47	1.35	1.59	0.00	1.28	1.14	1.44	0.00	0.91	0.79	1.05	0.20
Did not meet physical activity recommendations	0.95	0.85	1.07	0.41	0.81	0.69	0.95	0.01	0.88	0.72	1.06	0.17
<b>Sexual Behaviors and Orientation</b>												
Ever had sexual intercourse	5.00	4.04	6.18	0.00	9.08	6.54	12.62	0.00	1.74	1.22	2.46	0.00
Sex before age 13	6.03	4.66	7.81	0.00	6.18	4.42	8.64	0.00	1.07	0.74	1.54	0.73
Four or more sex partners	1.71	1.34	2.19	0.00	2.58	1.93	3.46	0.00	1.44	1.00	2.08	0.051
Condom during last sex	1.88	1.48	2.38	0.00	2.94	2.16	4.00	0.00	1.54	1.06	2.23	0.02
Gay or lesbian	4.91	3.12	7.75	0.00	9.81	5.63	17.09	0.00	2.02	1.00	4.05	0.049
Bisexual	3.21	2.35	4.40	0.00	3.58	2.13	6.01	0.00	1.06	0.59	1.88	0.85
<b>Abuse and Sexual Abuse</b>												
Abused by an adult	3.21	2.90	3.56	0.00	3.93	3.41	4.52	0.00	1.22	1.03	1.45	0.03
Threatened by boyfriend/girlfriend	3.50	3.04	4.04	0.00	6.24	5.24	7.44	0.00	1.70	1.37	2.12	0.00
Hurt on purpose by boyfriend/girlfriend	7.64	6.71	8.69	0.00	12.63	10.75	14.85	0.00	1.60	1.31	1.96	0.00
Ever sexually abused	5.11	4.18	6.24	0.00	7.21	5.50	9.45	0.00	1.34	0.98	1.82	0.07
Sexually abused in past year	5.95	4.84	7.31	0.00	11.40	8.75	14.84	0.00	1.83	1.33	2.50	0.00
<b>School and Achievement</b>												
Usually get C's, D's or F's in	2.49	2.30	2.70	0.00	3.52	3.13	3.96	0.00	1.44	1.26	1.66	0.00

HYS Measures	Comparing Unstably Housed to Stably Housed				Comparing Homeless to Stably Housed				Comparing Homeless to Unstably Housed			
	Odds Ratio	95% CI		P-value	Odds Ratio	95% CI		P-value	Odds Ratio	95% CI		P-value
		Lower	Upper			Lower	Upper			Lower	Upper	
school												
Never/seldom enjoys school	2.68	2.48	2.90	0.00	3.32	2.96	3.72	0.00	1.23	1.07	1.41	0.00
Never/seldom try to do best work in school	2.95	2.49	3.49	0.00	5.77	4.63	7.19	0.00	2.01	1.52	2.65	0.00
Skipped school in past month	3.55	3.11	4.06	0.00	8.00	6.41	9.98	0.00	2.17	1.68	2.81	0.00
Less than 5 hours of sleep on a school night	2.73	2.43	3.06	0.00	3.14	2.70	3.65	0.00	1.17	0.97	1.40	0.10
<b>School Climate</b>												
Don't feel safe at school	2.73	2.51	2.97	0.00	4.34	3.87	4.86	0.00	1.59	1.38	1.83	0.00
Felt unsafe going to/from school	13.72	12.34	15.25	0.00	23.95	20.71	27.71	0.00	1.62	1.36	1.92	0.00
Bullied at school	2.24	2.06	2.43	0.00	2.84	2.52	3.19	0.00	1.25	1.09	1.44	0.00
Harassed with a computer or cell phone	2.33	2.07	2.62	0.00	2.70	2.30	3.17	0.00	1.12	0.92	1.36	0.25
Carried a weapon at school in past month	4.35	3.92	4.83	0.00	7.49	6.59	8.52	0.00	1.78	1.52	2.09	0.00
<b>Violence-related Behaviors</b>												
Fighting in the past year	3.27	3.01	3.55	0.00	4.44	3.95	4.99	0.00	1.40	1.22	1.61	0.00
In a gang	4.49	4.05	4.97	0.00	8.30	7.33	9.39	0.00	1.86	1.59	2.17	0.00
Carried a gun in the past month	4.28	3.73	4.90	0.00	7.44	6.35	8.72	0.00	1.75	1.43	2.14	0.00

## Summary of Unstable Housing and Homelessness Findings

### Results for Associated Risks with Unstable Housing among All Youth

See the Unstable Housing & Homelessness Associations Table for details.

Comparing all youth in unstable housing to those were stably house and adjusting for grade level and gender, we found a number of risks that were associated with living in unstable housing. As noted in the Introduction, “association” is not the same as “causation”:

- Current substance use – all measures
- Lifetime substance use – all measures
- Substance use at home and at school – all measures
- Mental health – all measures
- Health-related issues – 2 out of 3 measures
- Healthcare access-related issues – all measures
- Nutrition – all measures
- Physical activity – 3 out of 4 measures
- Abuse and sexual abuse – all measures
- School achievement – all measures
- School climate – all measures
- Violence-related behaviors – all measures.

Current asthma and not meeting physically activity recommendations were not significantly associated with living in unstable housing when compared to living in stable housing.

### Results for Associated Risks with Homelessness among All Youth

Comparing all homeless youth to those were stably house and adjusting for grade level and gender, we found a number of risks that were associated with living in homelessness. As noted in the Introduction, “association” is not the same as “causation”:

- Current substance use – all measures
- Lifetime substance use – all measures
- Substance use at home and at school – all measures
- Mental health – all but two measures
- Health-related issues – 1 out of 3 measures
- Healthcare access-related issues – all measures
- Nutrition – all measures
- Physical activity – 2 out of 4 measures
- Abuse and sexual abuse – all measures
- School achievement – all measures
- School climate – all measures
- Violence-related behaviors – all measures.

On a positive note, homeless youth were more likely than those who lived in stable housing to get the recommended amount of physical activity and less likely to spend 3 or more hours playing video games or using the computer for fun on a school day. Current asthma as not associated with homelessness when compared to living in stable housing.

### **Comparing Associated Risks between Youth in Unstable Housing to Homeless Youth**

Comparing all youth in unstable housing to homeless youth and adjusting for grade level and gender, we found a number of risks that were associated with living in homelessness:

- Current substance use – all measures
- Lifetime substance use – all measures
- Substance use at home and at school – 3 out of 5 measures
- Mental health – 3 out of 5 measures
- Health-related issues – 1 out of 3 measures (diabetes)
- Healthcare access-related issues – 2 out of 3 measures
- Nutrition – 3 out of 6 measures
- Physical activity – 1 out of 4 measures (3 or more hours of TV watching on a school day)
- Abuse and sexual abuse – 4 out of 5 measures
- School achievement – 4 out of 5 measures
- School climate – 4 out of 5 measures
- Violence-related behaviors – all measures.

While a number of measures were associated with unstable housing and with homelessness, they were not associated when we compared youth in unstable housing to homeless youth, including:

- Living with someone who smokes, living with someone who uses marijuana, experiencing depressive feelings, feeling nervous/anxious/on edge, obesity, not visiting a doctor in the past year, inadequate fruit/vegetable consumption, never/rarely eating dinner with family, not eating breakfast, spending 3 or more hours playing video games or using the computer for fun on a school day, not participating in after school activities, sex before age 13, four or more sexual partners, identifying as bisexual, every being sexually abused, getting less than 5 hours of sleep on a school night, and harassed with a computer or cell phone

Current asthma was not associated (nor was it associated with unstable housing or homelessness). Not meeting physical activity requirements was not associated (nor was it associated with unstable housing). The number of measures that were not different between these two groups but were different when they were compared to stable housing may suggest that youth in unstable housing and homeless youth are at similar risk for these measures.



# HYS 2014 Census and State Sample Living Arrangement Results

The following tables provide a comparison of the percentages, confidence intervals, and number of respondents for each response option of the three living arrangement questions from the census results (left column) and the state sample results (right column).

## Who They Live With, Census

Who did you live with <u>most</u> of the time in the last 30 days?	Grade 8	Grade 10	Grade 12
a. Parent(s) and/or step-parent(s)	93.7% (±0.2) (n=54007)	92.9% (±0.2) (n=49000)	90.5% (±0.3) (n=35575)
b. Relatives—like a grandparent, an aunt, an older brother—but NOT your parents	3.5% (±0.2) (n=2036)	4.0% (±0.2) (n=2103)	4.1% (±0.2) (n=1630)
c. Foster care parent(s)	0.5% (±0.1) (n=291)	0.7% (±0.1) (n=356)	0.8% (±0.1) (n=313)
d. An adult friend(s) of your family	0.3% (±0.0) (n=184)	0.6% (±0.1) (n=306)	1.0% (±0.1) (n=386)
e. Friends of yours with no adults present	0.4% (±0.0) (n=215)	0.5% (±0.1) (n=258)	0.8% (±0.1) (n=330)
f. On your own	0.5% (±0.1) (n=274)	0.5% (±0.1) (n=283)	1.1% (±0.1) (n=441)
c. Foster care parent(s)	1.1% (±0.1) (n=646)	0.8% (±0.1) (n=442)	1.7% (±0.1) (n=651)
<i>Any other living situation, not living with parents/step-parents</i>	6.3% (±0.2) (n=3646)	7.1% (±0.2) (n=3748)	9.5% (±0.3) (n=3751)

## Who They Live With, State Sample

Who did you live with <u>most</u> of the time in the last 30 days?	Grade 8	Grade 10	Grade 12
a. Parent(s) and/or step-parent(s)	94.5% (±0.4) (n=9812)	93.5% (±0.5) (n=8026)	91.0% (±0.7) (n=5901)
b. Relatives—like a grandparent, an aunt, an older brother—but NOT your parents	3.0% (±0.3) (n=307)	3.5% (±0.4) (n=302)	4.2% (±0.5) (n=272)
c. Foster care parent(s)	0.4% (±0.1) (n=41)	0.6% (±0.2) (n=52)	0.7% (±0.2) (n=46)
d. An adult friend(s) of your family	0.2% (±0.1) (n=25)	0.6% (±0.2) (n=51)	1.0% (±0.2) (n=67)
e. Friends of yours with no adults present	0.4% (±0.1) (n=38)	0.5% (±0.1) (n=41)	0.8% (±0.2) (n=52)
f. On your own	0.5% (±0.1) (n=56)	0.4% (±0.1) (n=35)	0.9% (±0.2) (n=57)
c. Foster care parent(s)	1.0% (±0.2) (n=109)	0.9% (±0.2) (n=77)	1.4% (±0.3) (n=91)
<i>Any other living situation, not living with parents/step-parents</i>	5.5% (±0.4) (n=576)	6.5% (±0.5) (n=558)	9.0% (±0.7) (n=585)

## Where They Live, Census

Where did you live most of the time in the last 30 days?	Grade 8	Grade 10	Grade 12
a. In a house, apartment, or mobile home	97.7% (±0.1) (n=56559)	97.3% (±0.1) (n=51451)	97.3% (±0.2) (n=38334)
b. In a motel or hotel	0.4% (±0.0) (n=214)	0.5% (±0.1) (n=268)	0.6% (±0.1) (n=220)
c. In a group home	0.3% (±0.0) (n=187)	0.4% (±0.1) (n=233)	0.4% (±0.1) (n=166)
d. In a shelter	0.2% (±0.0) (n=113)	0.3% (±0.0) (n=146)	0.3% (±0.1) (n=124)
e. In a car, park, or campground	0.1% (±0.0) (n=86)	0.3% (±0.0) (n=145)	0.3% (±0.1) (n=109)
f. On the street	0.3% (±0.0) (n=187)	0.4% (±0.1) (n=192)	0.4% (±0.1) (n=165)
g. Moved from place to place	0.5% (±0.1) (n=295)	0.5% (±0.1) (n=253)	0.4% (±0.1) (n=164)
h. Other	0.4% (±0.1) (n=254)	0.4% (±0.1) (n=207)	0.3% (±0.1) (n=133)
<i>Any other living location not living in a house, apartment or mobile home</i>	2.3% (±0.1) (n=1336)	2.7% (±0.1) (n=1444)	2.7% (±0.2) (n=1081)

## Where They Live, State Sample

Where did you live most of the time in the last 30 days?	Grade 8	Grade 10	Grade 12
a. In a house, apartment, or mobile home	98.1% (±0.3) (n=10223)	97.5% (±0.3) (n=8395)	97.3% (±0.4) (n=6326)
b. In a motel or hotel	0.3% (±0.1) (n=32)	0.4% (±0.1) (n=35)	0.6% (±0.2) (n=39)
c. In a group home	0.2% (±0.1) (n=24)	0.4% (±0.1) (n=31)	0.5% (±0.2) (n=31)
d. In a shelter	0.2% (±0.1) (n=17)	0.3% (±0.1) (n=24)	0.4% (±0.2) (n=26)
e. In a car, park, or campground	0.1% (±0.1) (n=11)	0.3% (±0.1) (n=23)	0.2% (±0.1) (n=14)
f. On the street	0.3% (±0.1) (n=27)	0.3% (±0.1) (n=29)	0.3% (±0.1) (n=22)
g. Moved from place to place	0.4% (±0.1) (n=46)	0.4% (±0.1) (n=31)	0.3% (±0.1) (n=22)
h. Other	0.4% (±0.1) (n=43)	0.5% (±0.1) (n=39)	0.4% (±0.1) (n=24)
<i>Any other living location not living in a house, apartment or mobile home</i>	1.9% (±0.3) (n=200)	2.5% (±0.3) (n=212)	2.7% (±0.4) (n=178)

### Living Situation Due to Family Finances, Census

Are your current living arrangements the result of losing your home because your family cannot afford housing?	Grade 8	Grade 10	Grade 12
a. No	85.7% ( $\pm 0.3$ ) (n=48740)	88.1% ( $\pm 0.3$ ) (n=46042)	90.3% ( $\pm 0.3$ ) (n=35277)
b. Yes	4.8% ( $\pm 0.2$ ) (n=2740)	5.6% ( $\pm 0.2$ ) (n=2943)	5.8% ( $\pm 0.2$ ) (n=2262)
c. Not sure	9.5% ( $\pm 0.2$ ) (n=5380)	6.2% ( $\pm 0.2$ ) (n=3265)	4.0% ( $\pm 0.2$ ) (n=1548)

### Living Situation Due to Family Finances, State sample

Are your current living arrangements the result of losing your home because your family cannot afford housing?	Grade 8	Grade 10	Grade 12
a. No	87.2% ( $\pm 0.6$ ) (n=8934)	88.5% ( $\pm 0.7$ ) (n=7538)	90.7% ( $\pm 0.7$ ) (n=5839)
b. Yes	4.4% ( $\pm 0.4$ ) (n=454)	5.2% ( $\pm 0.5$ ) (n=444)	5.4% ( $\pm 0.6$ ) (n=349)
c. Not sure	8.3% ( $\pm 0.5$ ) (n=855)	6.2% ( $\pm 0.5$ ) (n=531)	3.9% ( $\pm 0.5$ ) (n=251)