

2006 KIP SURVEY STATEWIDE FINDINGS

Prepared for:

The Substance Abuse Prevention Program
Division of Mental Health and Substance Abuse
Department for Mental Health and Mental Retardation Services
Cabinet for Health and Family Services
Amy Baker: Program Administrator

By:

R.E.A.C.H. of Louisville

With federal block grant funding from:

The Center for Substance Abuse Prevention
Substance Abuse and Mental Health Services Administration
U.S. Department for Health and Human Services



R.E.A.C.H. of Louisville, Inc. consults with other human service and governmental organizations in planning and evaluation efforts targeted toward planned organizational change. Specific services include needs assessment, qualitative implementation evaluation, program analysis and review, grant proposal writing and evaluation, management information system design, computer programming/training/support, goals-based outcome evaluation, statistical analysis and interpretation, and formal reporting and presentation. Emphasis is placed on the evaluation of integrated human service initiatives.



National Trends in Substance Abuse

- An estimated 71.5 million Americans aged 12 or older were current (past month) users of a tobacco product.
- Slightly more than half of Americans aged 12 or older reported being current drinkers of alcohol in 2005 (51.8%)
- Marijuana was the most commonly used illicit drug (14.6 million past month users).
- An estimated 19.7 million Americans aged 12 or older were current (past month) illicit drug users
- There were 877,000 persons aged 12 or older who had used inhalants for the first time within the past 12 months

Data source: National Survey of Drug Use and Health (NSDUH), 2005

Adolescent Substance Abuse, 2005

- Half (50%) of American young people have tried cigarettes by 12th grade, and nearly a quarter (23%) of 12th graders are current smokers.
- Three out of every four students (75%) have consumed alcohol (more than just a few sips) by the 12th grade; about two fifths (41%) have done so by 8th grade.
- Marijuana is by far the most prevalent of the illicit drugs.
- Only three drugs showed any sign of increased use in 2005: sedatives, OxyContin, and inhalants.
- Methamphetamine has shown a rather steady decline between 1999 and 2005

Source: Johnston, L. D., O'Malley, P. M., Bachman, J. G., & Schulenberg, J. E. (2006). Monitoring the Future national results on adolescent drug use: Overview of key findings, 2005. (NIH Publication No. 06-5882). Bethesda, MD: National Institute on Drug Abuse.

Purpose of KIP

- The purpose of the survey is to anonymously assess student use of alcohol, tobacco, and other drugs (ATOD), as well as a number of factors related to potential substance abuse
- The survey provides information about student self-reported use of substances (e.g., within last 30 days, last year), student perceptions about substance use (e.g., level of risk, peer and parent disapproval), and perceived accessibility of substances in the community.

History of KIP

- The KIP Survey has been administered in Kentucky for a number of years through the Substance Abuse Prevention Program in the Cabinet for Health and Family Services, through agreements with individual school districts across the state
- Originally, the KIP survey was used as part of a federal initiative, termed the Kentucky Incentives for Prevention program.
- The core items on the present KIP survey were originally chosen by the federal Center for Substance Abuse Prevention (CSAP), based on extensive research on risk and resilience factors associated with youth substance abuse.

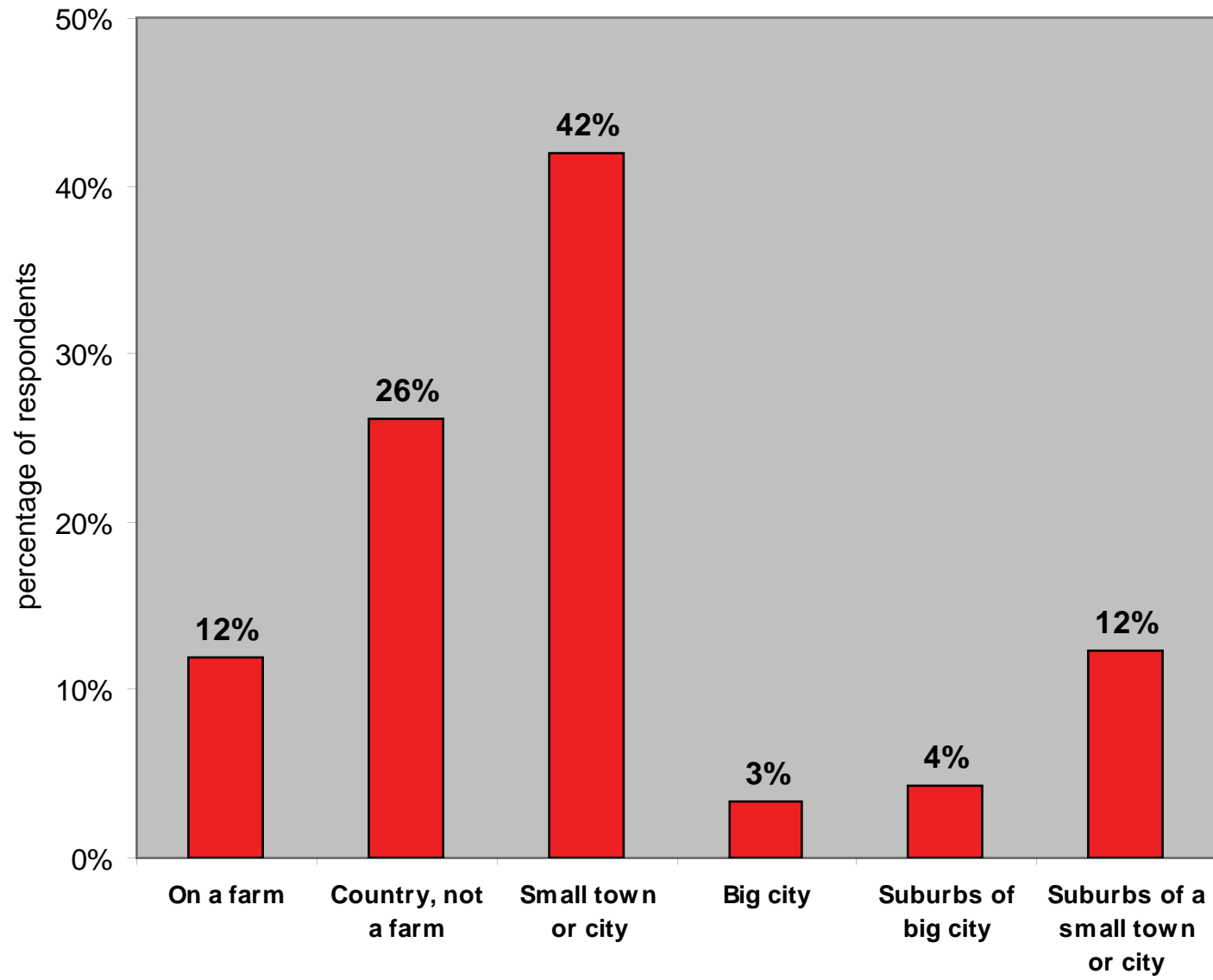
Survey Administration

- The survey is now conducted bi-annually in the fall in even-numbered years (2004, 2006, etc.), with 6th, 8th, 10th, and 12th graders attending school in Kentucky communities.
- Extensive efforts go into assuring the anonymity of students who fill out the survey, and to insuring that no student feels coerced to participate
- Classroom administration of the survey (including distribution, giving instructions, completing the survey, and collecting the survey) takes about forty minutes.

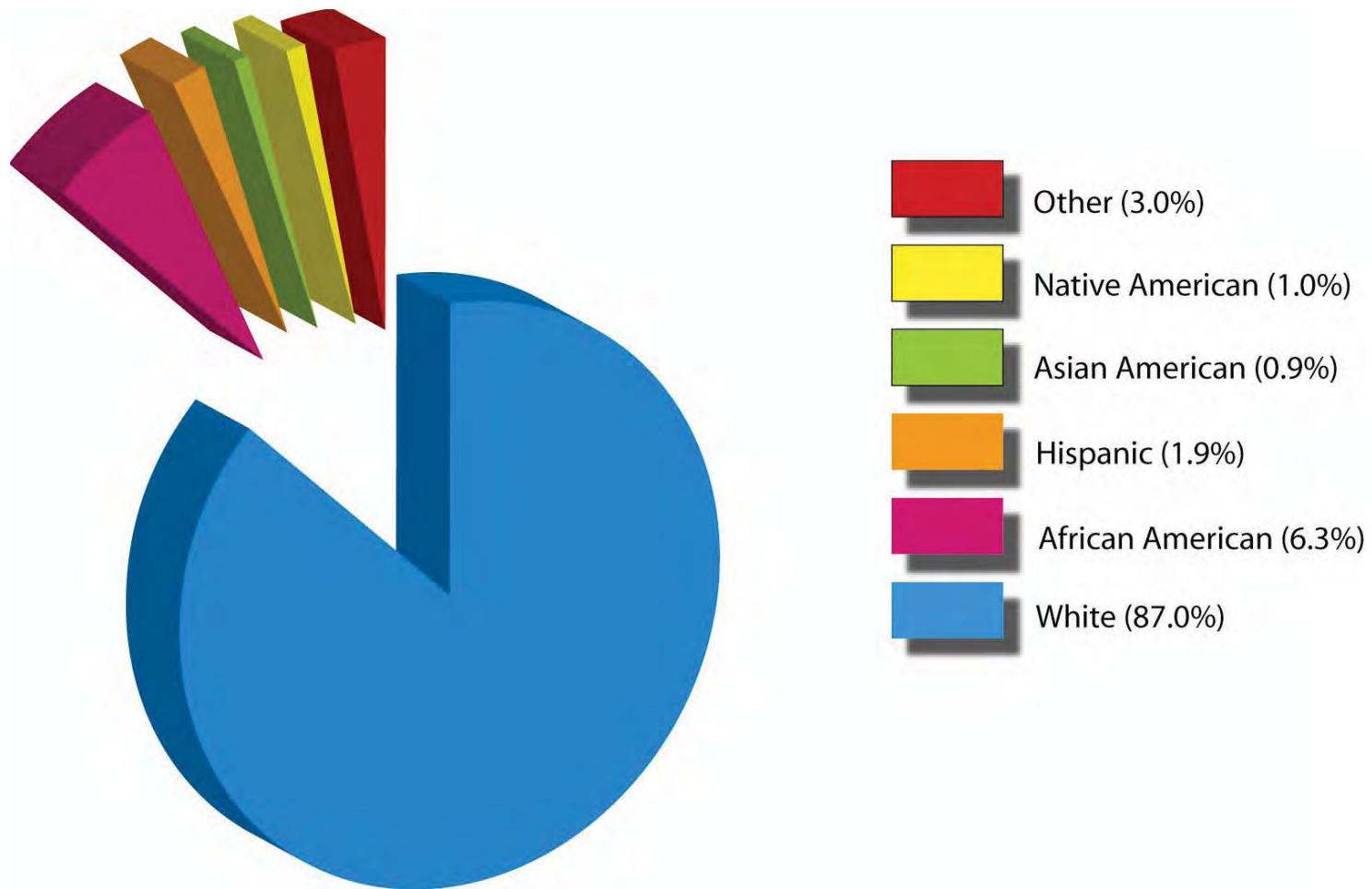
Survey Demographics

- The 2006 survey involved 137 Kentucky school districts and over 117,000 students
- There was equal distribution by gender
- About 35% participate in the free/reduced school lunch program (a proxy for economic disadvantage)
- It is primarily rural sample, with Jefferson, Warren, & Madison not participating (Lexington, Fayette does participate)
- 93% live on a farm, in the country, in a small city or town, or the suburbs of a small city or town
- It is representative of rural Kentucky

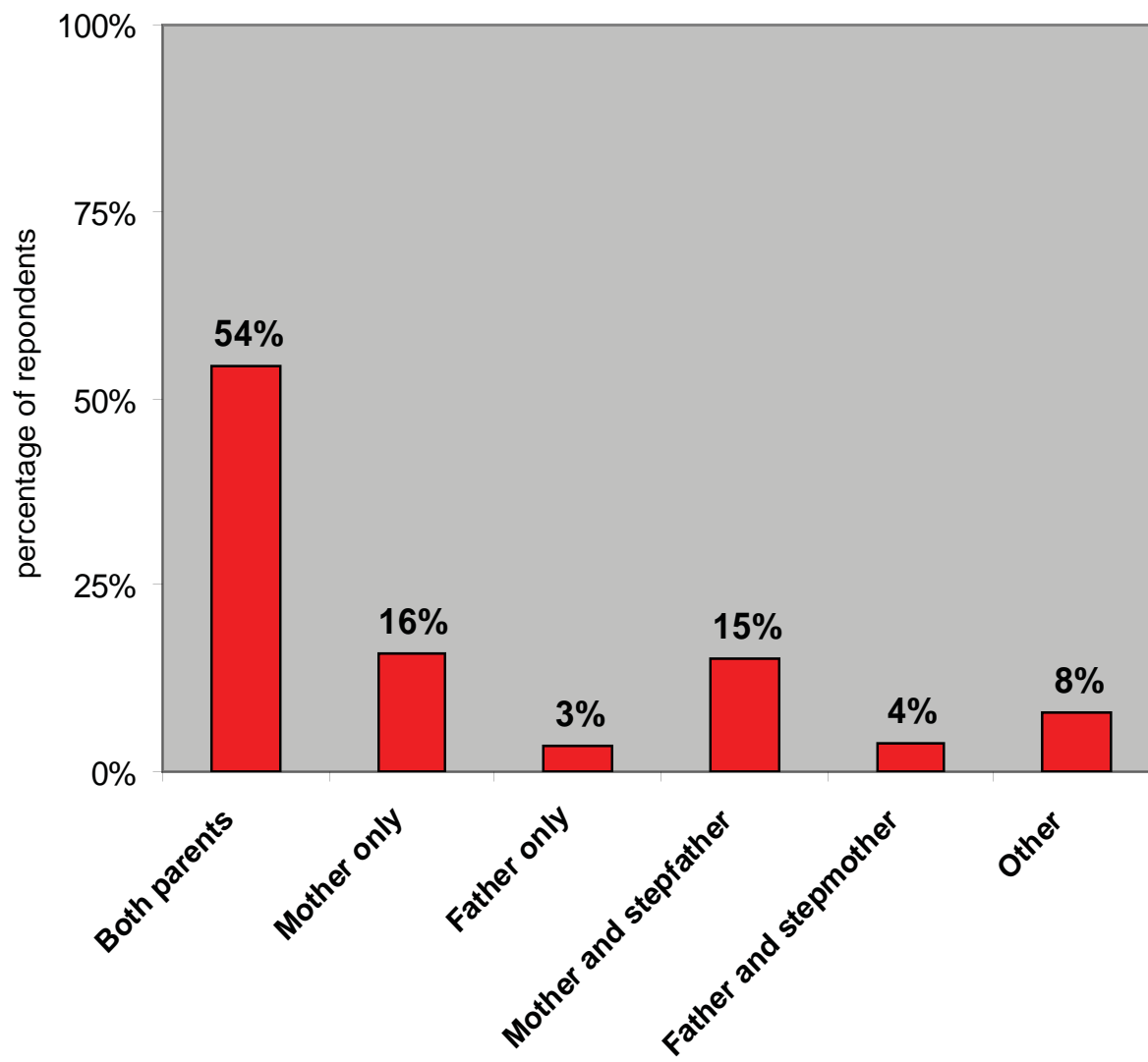
Location of Respondents



Race of Respondents



Family Constellation

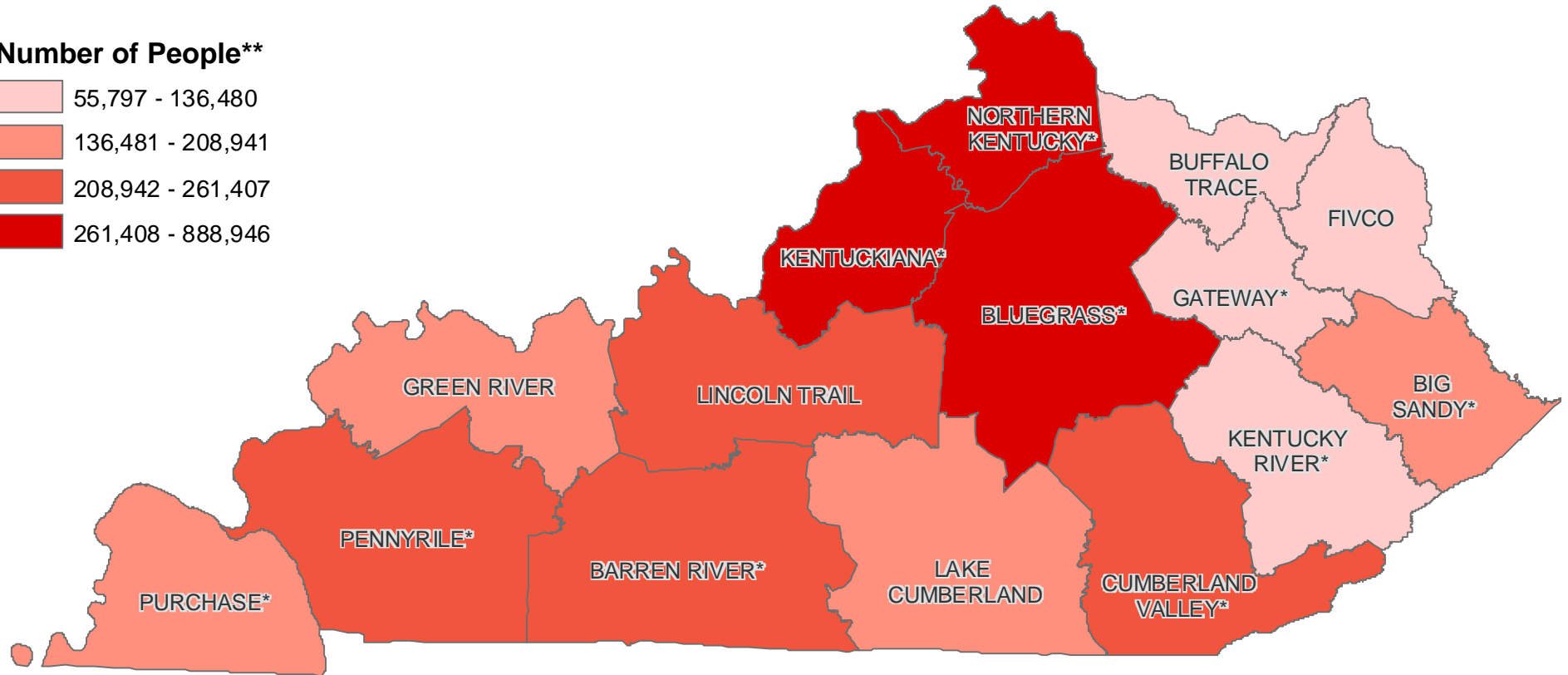
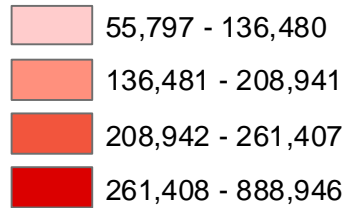


Scale Components

- Demographics - age, gender, race, zip, achievement, grades, socioeconomic status, school attendance, family constellation, urban/suburban/rural
- ATOD Use (personal & peer) - 30 day, past year, lifetime, onset
- ATOD-related problems/antisocial behavior
- ATOD accessibility
- Values (personal, parental)
- School safety

Population for Area Development Districts, 2003 Estimate*

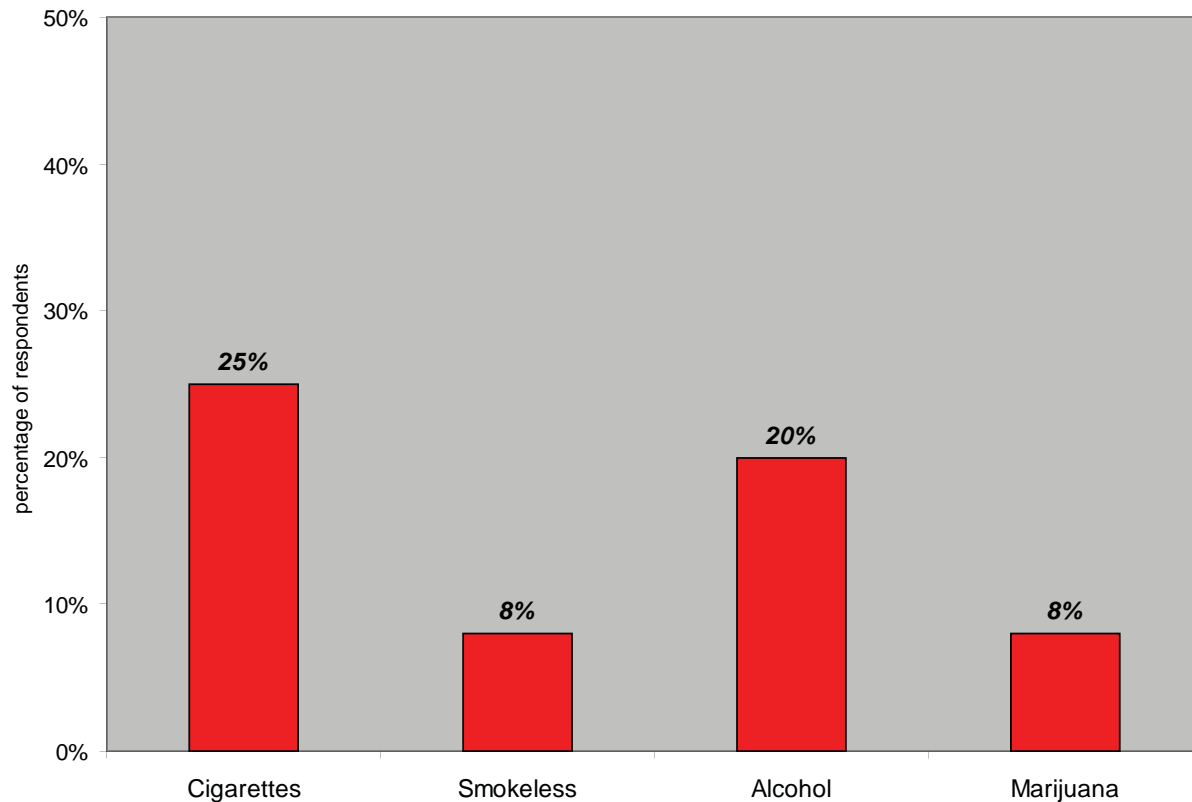
Number of People**



**Data is classified using quartiles. The first class contains the lowest 25% of the data values, the second class contains the next lowest 25%, and the fourth and last class contains the highest 25% of data values. Quartiles are effective for comparing maps since they allow comparisons based on the rank ordering of the four classes.

Age of Initiation

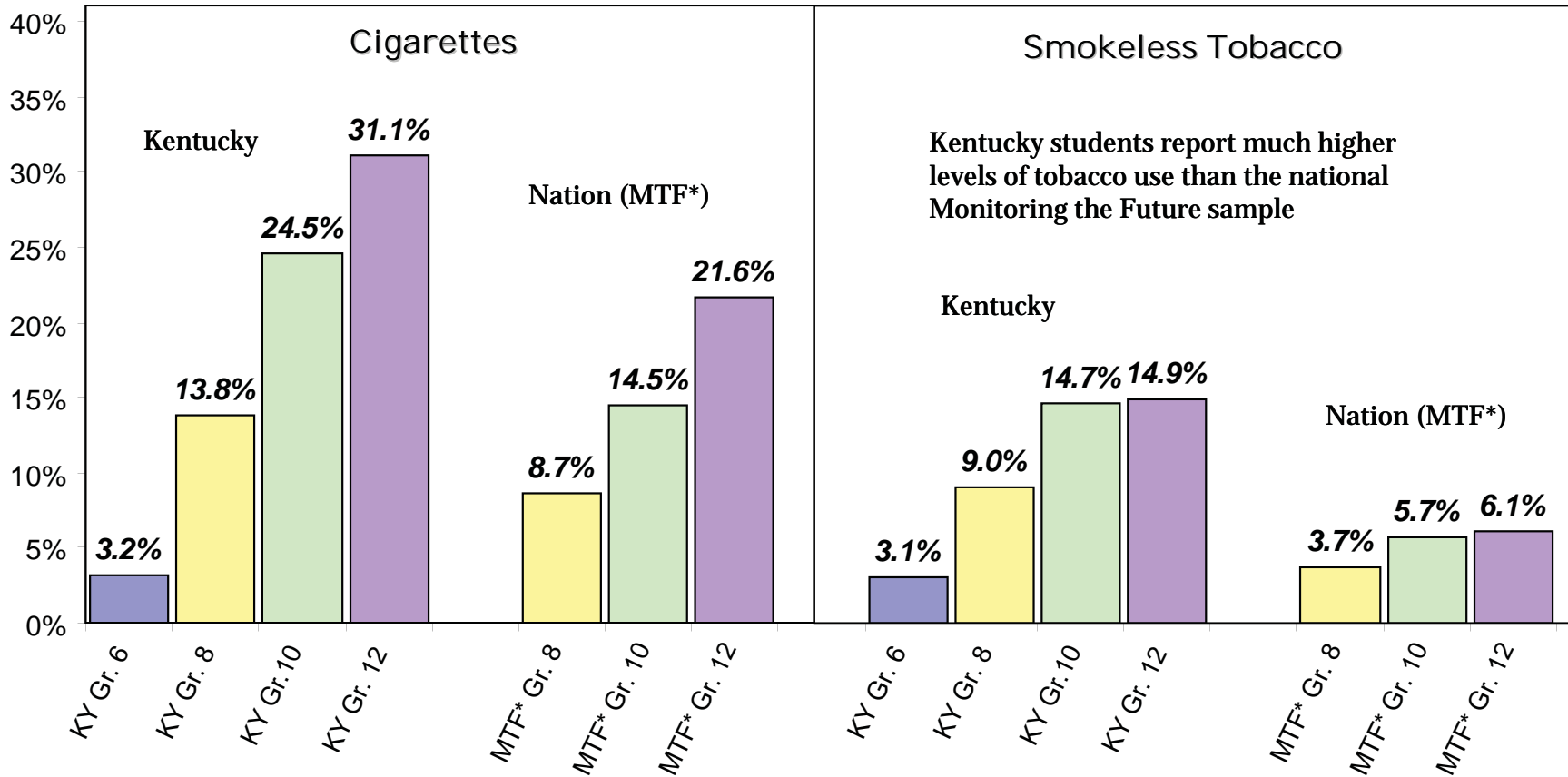
Grade 10* - 1st use of substance by age 12 or younger



*Many of the statistics in this report relate to 10th graders since this is likely the most accurate indicator of levels of use. By 12th grade, the effect of drop-out rates artificially depresses these numbers.

Tobacco 30-day Use

Percent of students responding that they had used the substance one or more times within the past 30 days

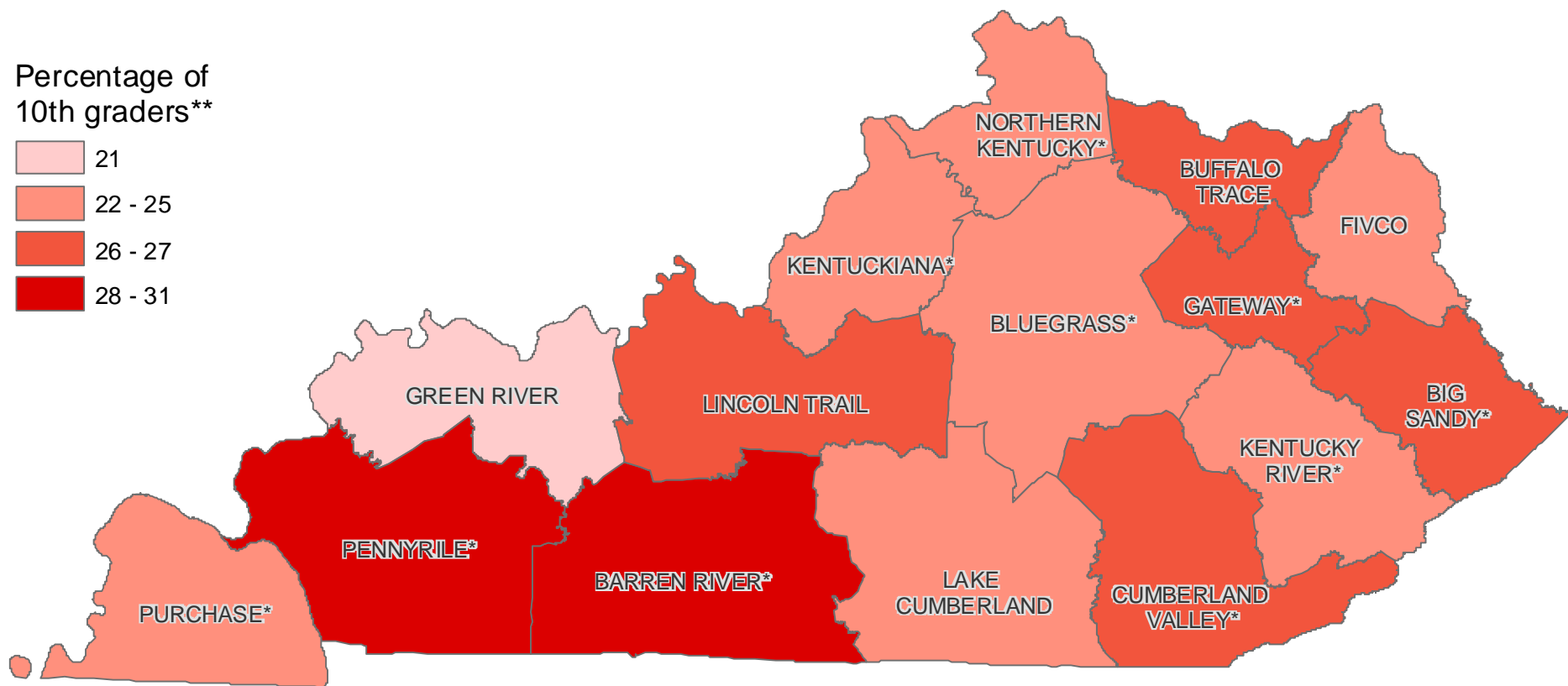
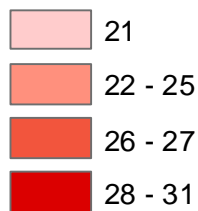


*MTF = Monitoring the Future: annual study administered by the University of Michigan

Grade 10 - 30-day Cigarette Use, 2006

(% responding that they had used the substance one or more times within the past 30 days)

Percentage of 10th graders**



*NON-PARTICIPATING COUNTIES BY REGION

PURCHASE: Hickman
 PENNYRILE: Trigg
 BARREN RIVER: Warren, Hart
 KENTUCKIANA: Jefferson
 NORTHERN KY: Pendleton

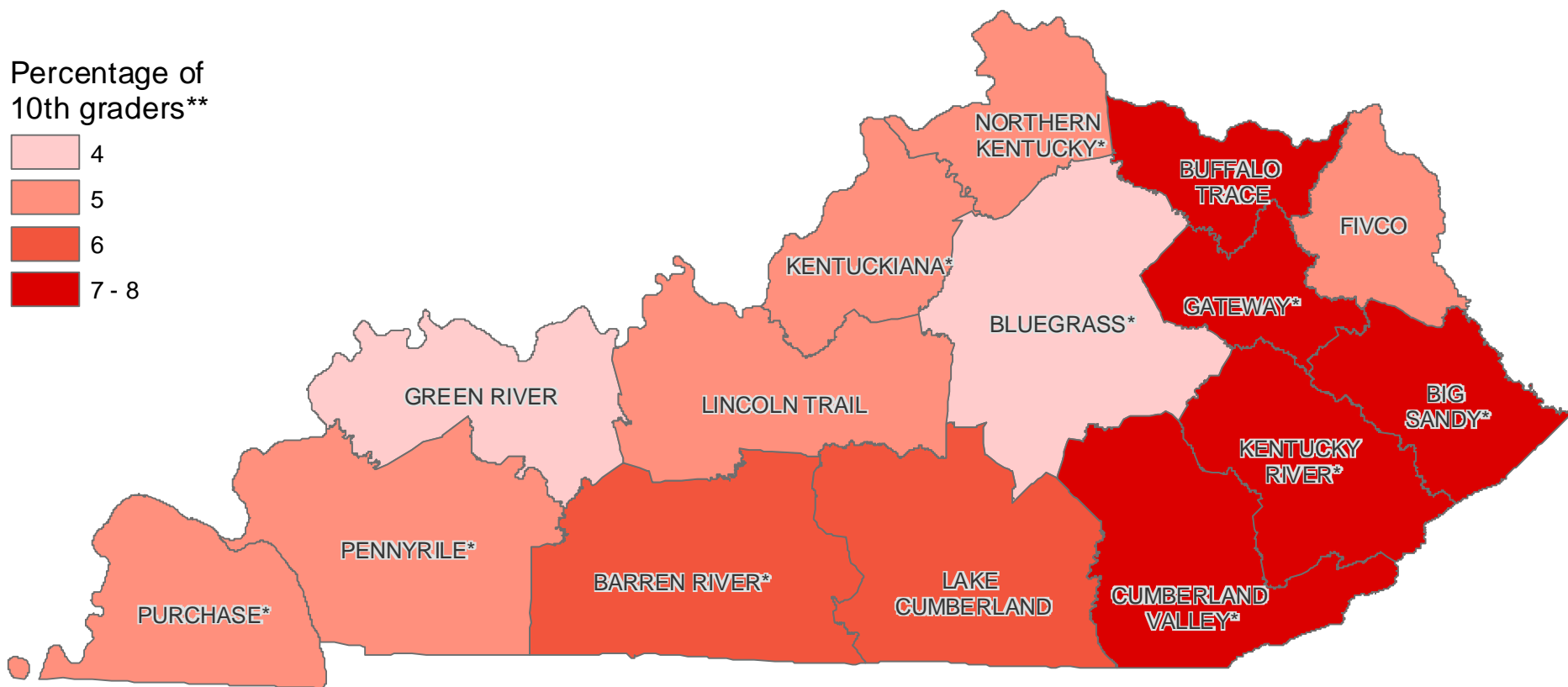
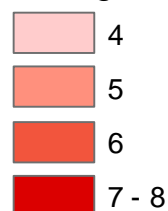
BLUEGRASS: Anderson, Madison, Harrison
 GATEWAY: Bath
 CUMBERLAND VALLEY: Jackson
 KENTUCKY RIVER: Wolfe
 BIG SANDY: Martin

**Data is classified using quartiles. The first class contains the lowest 25% of the data values, the second class contains the next lowest 25%, and the fourth and last class contains the highest 25% of data values. Quartiles are effective for comparing maps since they allow comparisons based on the rank ordering of the four classes.

Grade 10 - Heavy Cigarette Use, 2006

(% responding that they smoked 1 pack per day or more for at least the last 30 days)

Percentage of 10th graders**



*NON-PARTICIPATING COUNTIES BY REGION

PURCHASE: Hickman
 PENNYRILE: Trigg
 BARREN RIVER: Warren, Hart
 KENTUCKIANA: Jefferson
 NORTHERN KY: Pendleton

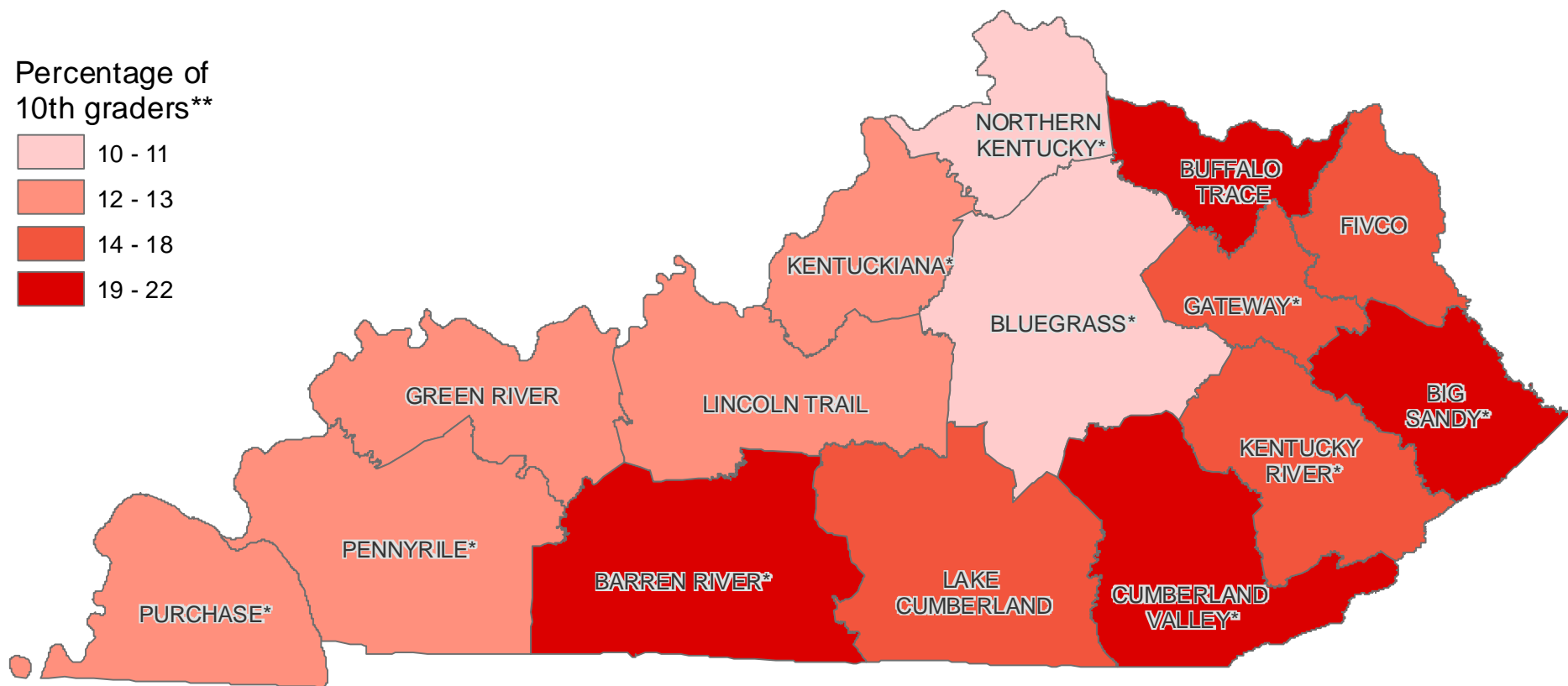
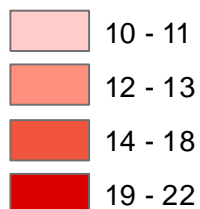
BLUEGRASS: Anderson, Madison, Harrison
 GATEWAY: Bath
 CUMBERLAND VALLEY: Jackson
 KENTUCKY RIVER: Wolfe
 BIG SANDY: Martin

**Data is classified using quartiles. The first class contains the lowest 25% of the data values, the second class contains the next lowest 25%, and the fourth and last class contains the highest 25% of data values. Quartiles are effective for comparing maps since they allow comparisons based on the rank ordering of the four classes.

Grade 10 - Smokeless Tobacco 30-Day Use, 2006

(% responding that they had used the substance one or more times within the past 30 days)

Percentage of 10th graders**



*NON-PARTICIPATING COUNTIES BY REGION

PURCHASE: Hickman
 PENNYRILE: Trigg
 BARREN RIVER: Warren, Hart
 KENTUCKIANA: Jefferson
 NORTHERN KY: Pendleton

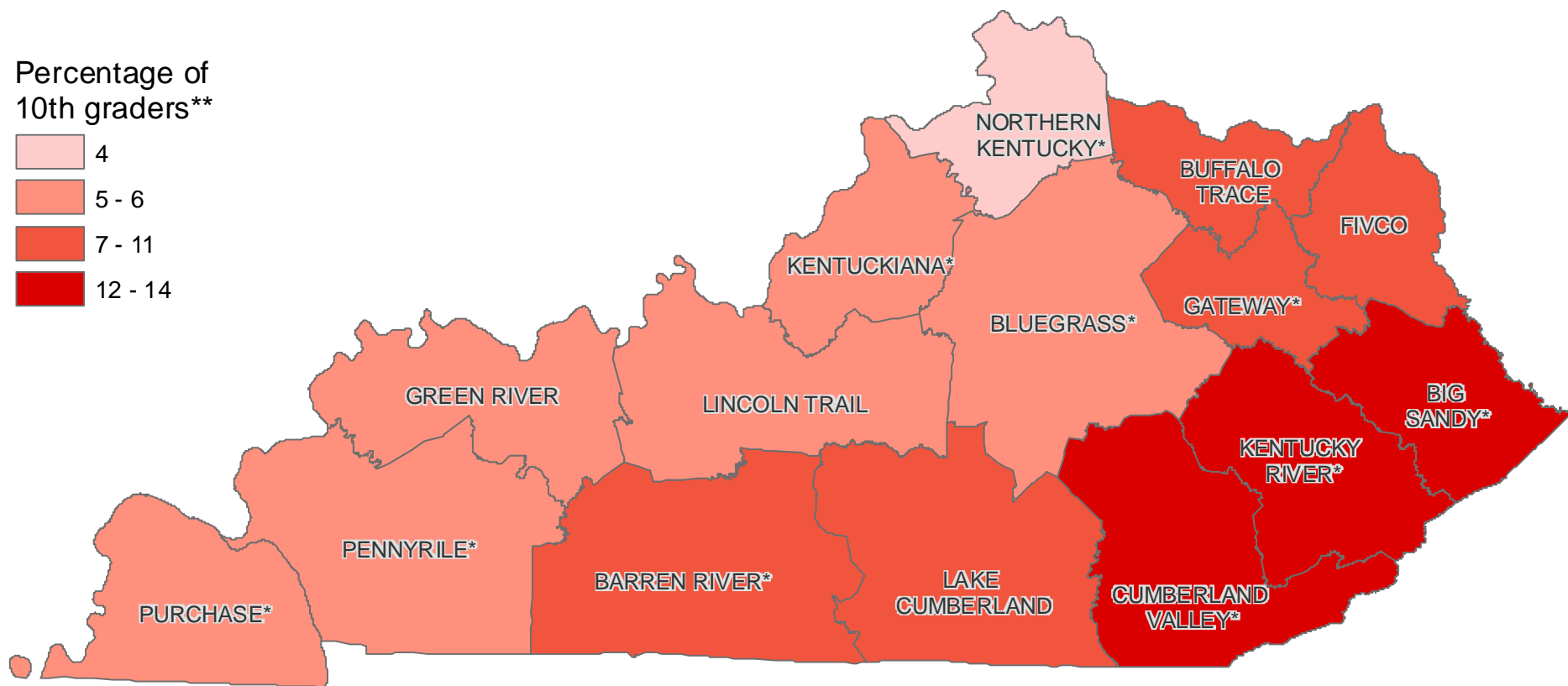
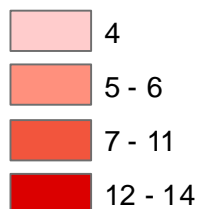
BLUEGRASS: Anderson, Madison, Harrison
 GATEWAY: Bath
 CUMBERLAND VALLEY: Jackson
 KENTUCKY RIVER: Wolfe
 BIG SANDY: Martin

**Data is classified using quartiles. The first class contains the lowest 25% of the data values, the second class contains the next lowest 25%, and the fourth and last class contains the highest 25% of data values. Quartiles are effective for comparing maps since they allow comparisons based on the rank ordering of the four classes.

Grade 10 - Heavy Smokeless Tobacco Use, 2006

(% using daily for at least the last 30 days)

Percentage of 10th graders**



*NON-PARTICIPATING COUNTIES BY REGION

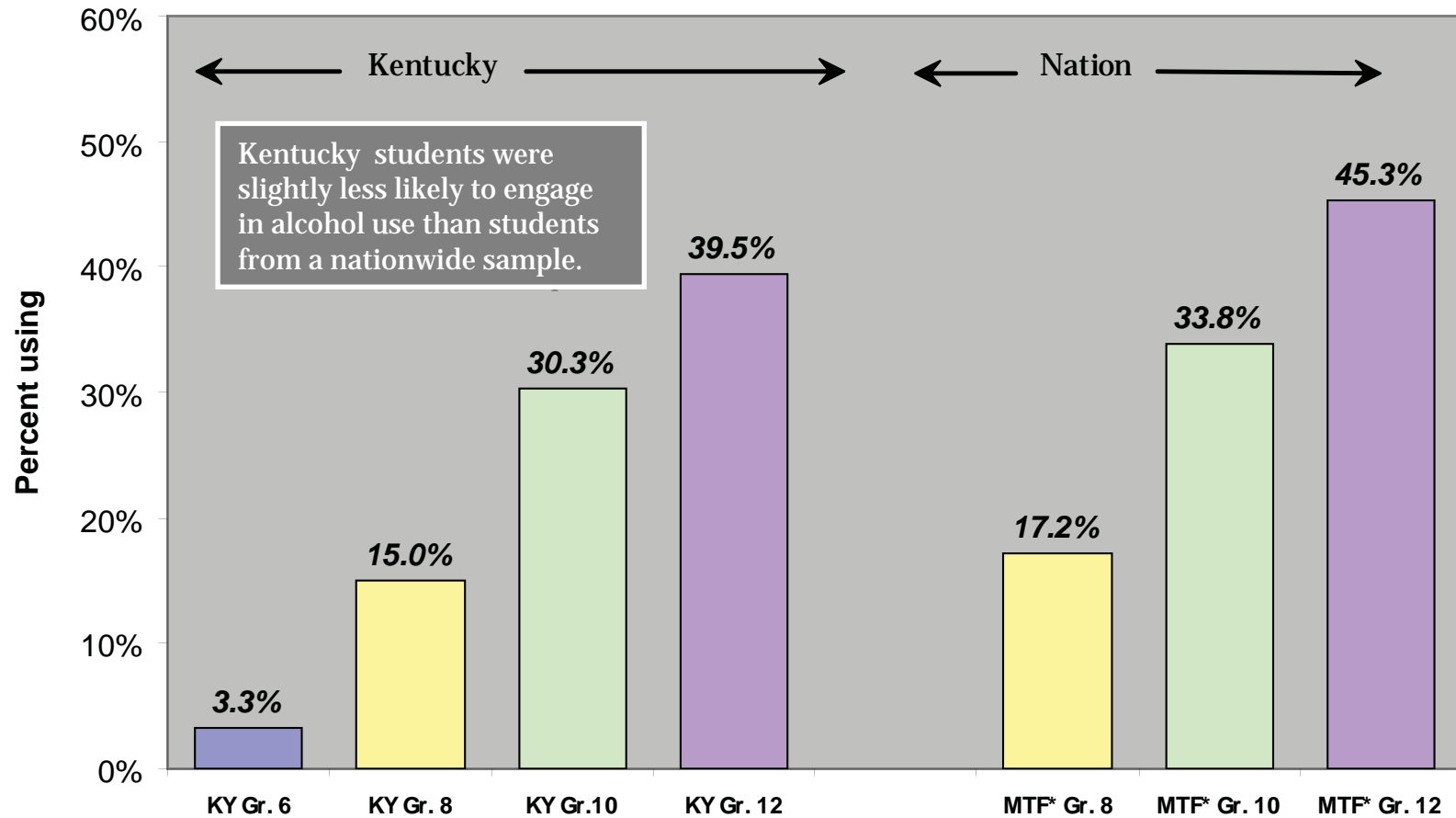
PURCHASE: Hickman
 PENNYRILE: Trigg
 BARREN RIVER: Warren, Hart
 KENTUCKIANA: Jefferson
 NORTHERN KY: Pendleton

BLUEGRASS: Anderson, Madison, Harrison
 GATEWAY: Bath
 CUMBERLAND VALLEY: Jackson
 KENTUCKY RIVER: Wolfe
 BIG SANDY: Martin

**Data is classified using quartiles. The first class contains the lowest 25% of the data values, the second class contains the next lowest 25%, and the fourth and last class contains the highest 25% of data values. Quartiles are effective for comparing maps since they allow comparisons based on the rank ordering of the four classes.

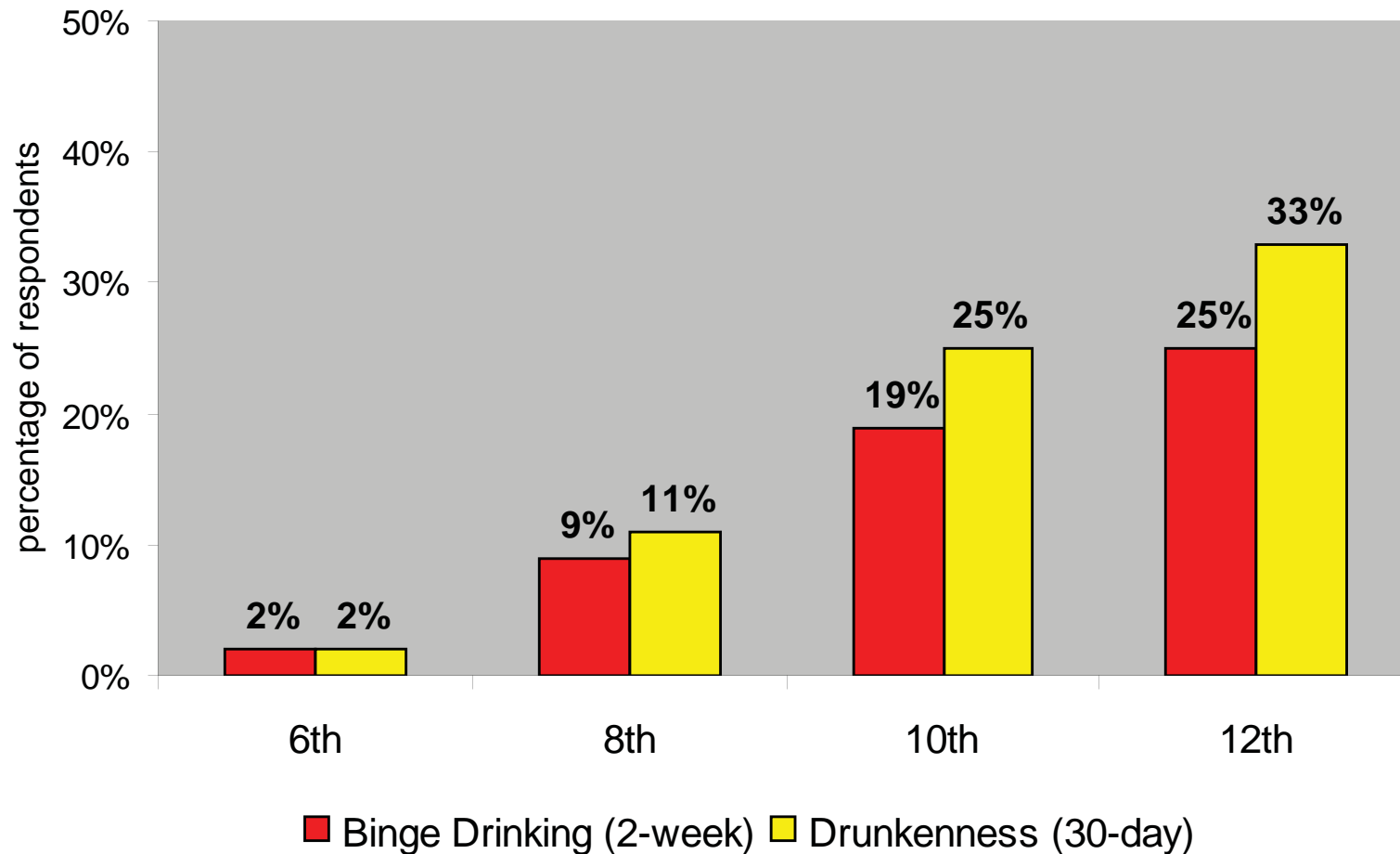
Alcohol 30-day Use

Percent of students responding that they had used the substance one or more times within the past 30 days



Binge Drinking & Drunkenness

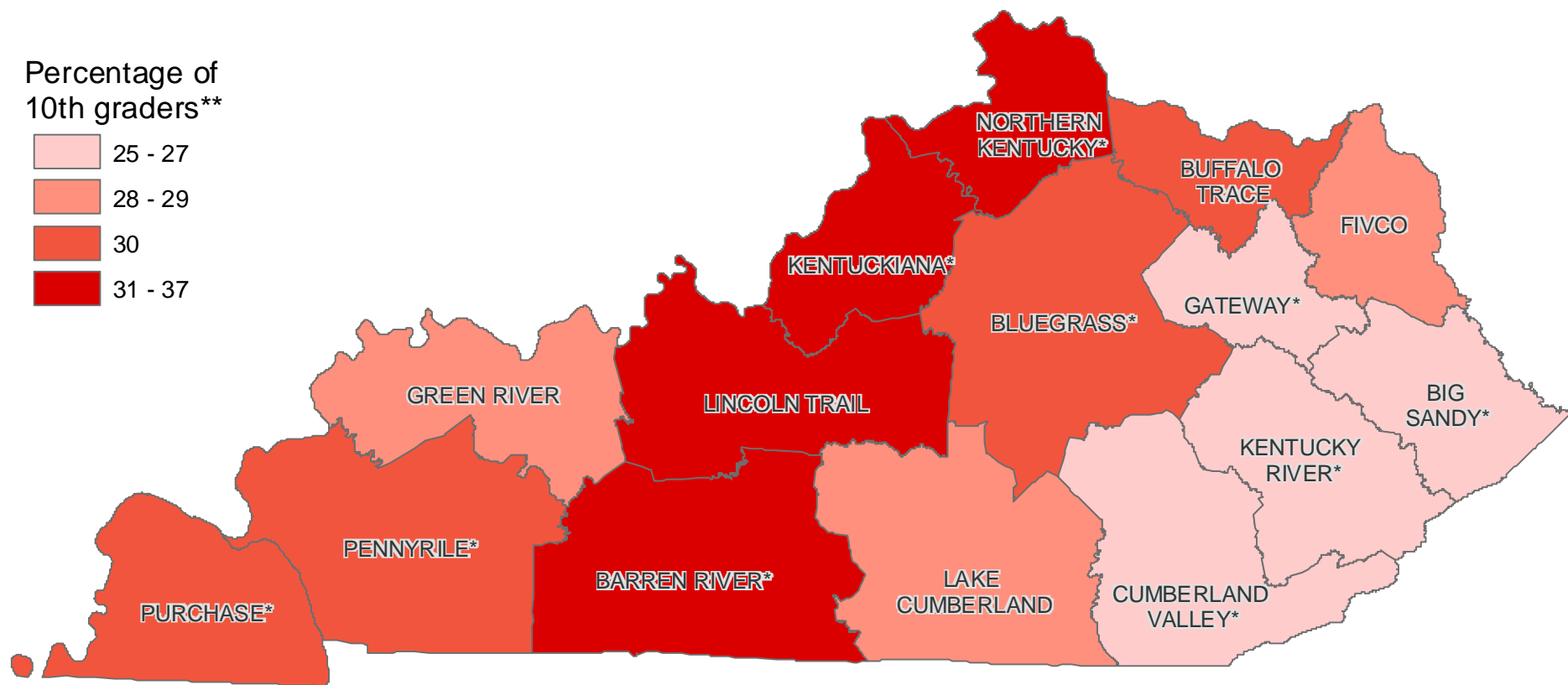
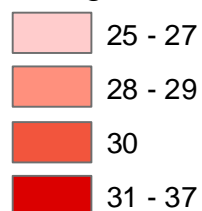
Percent of students responding that they had five or more drinks in a row on at least one occasion within the last 2 weeks (binge-drinking), and percent of students reporting being drunk more than 3 times in the past 30 days (drunkenness)



Grade 10 Alcohol 30-Day Use, 2006

(% responding that they had used the substance one or more times within the past 30 days)

Percentage of 10th graders**



*NON-PARTICIPATING COUNTIES BY REGION

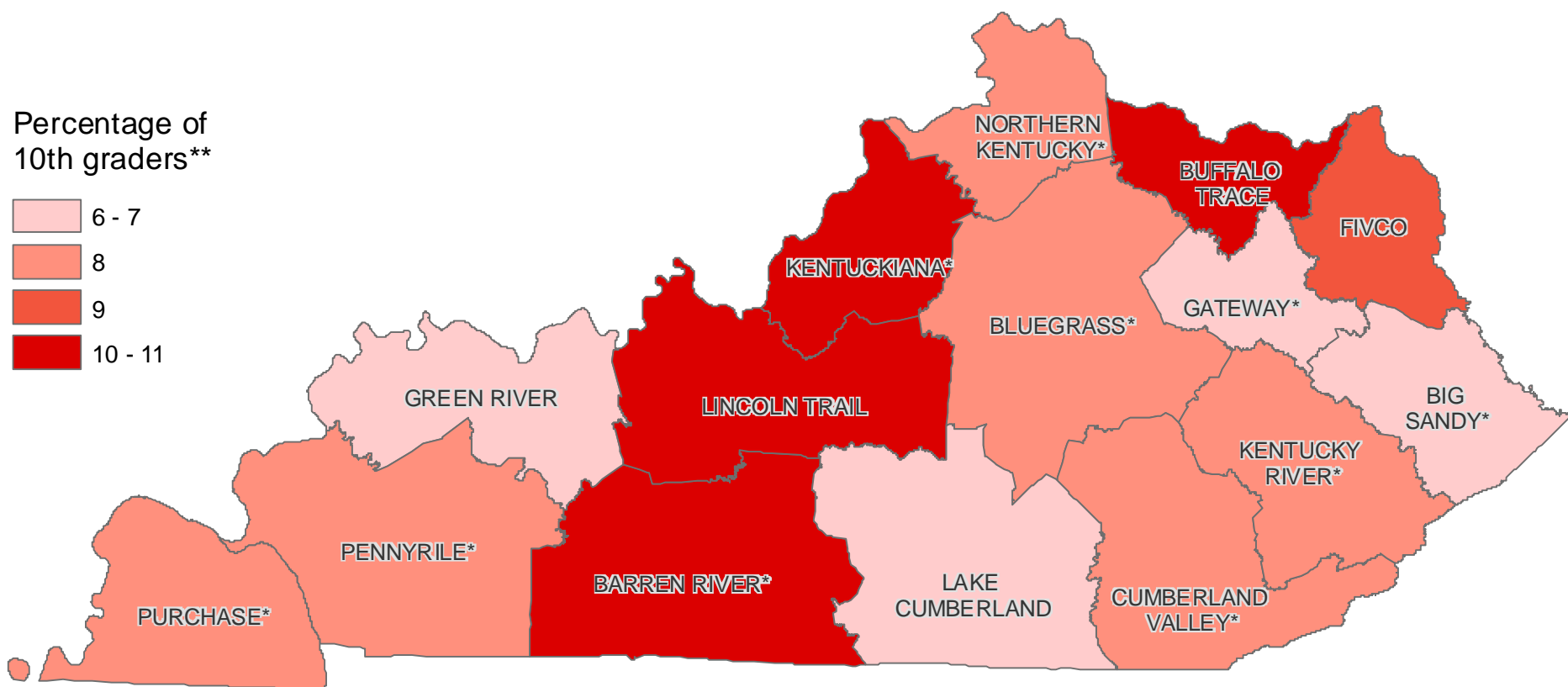
PURCHASE: Hickman
 PENNYRILE: Trigg
 BARREN RIVER: Warren, Hart
 KENTUCKIANA: Jefferson
 NORTHERN KY: Pendleton

BLUEGRASS: Anderson, Madison, Harrison
 GATEWAY: Bath
 CUMBERLAND VALLEY: Jackson
 KENTUCKY RIVER: Wolfe
 BIG SANDY: Martin

**Data is classified using quartiles. The first class contains the lowest 25% of the data values, the second class contains the next lowest 25%, and the fourth and last class contains the highest 25% of data values. Quartiles are effective for comparing maps since they allow comparisons based on the rank ordering of the four classes.

Grade 10 - Heavy Alcohol Use, 2006

(% responding that they had a drink 6 or more times in the past 30 days)



*NON-PARTICIPATING COUNTIES BY REGION

PURCHASE: Hickman
 PENNYRILE: Trigg
 BARREN RIVER: Warren, Hart
 KENTUCKIANA: Jefferson
 NORTHERN KY: Pendleton

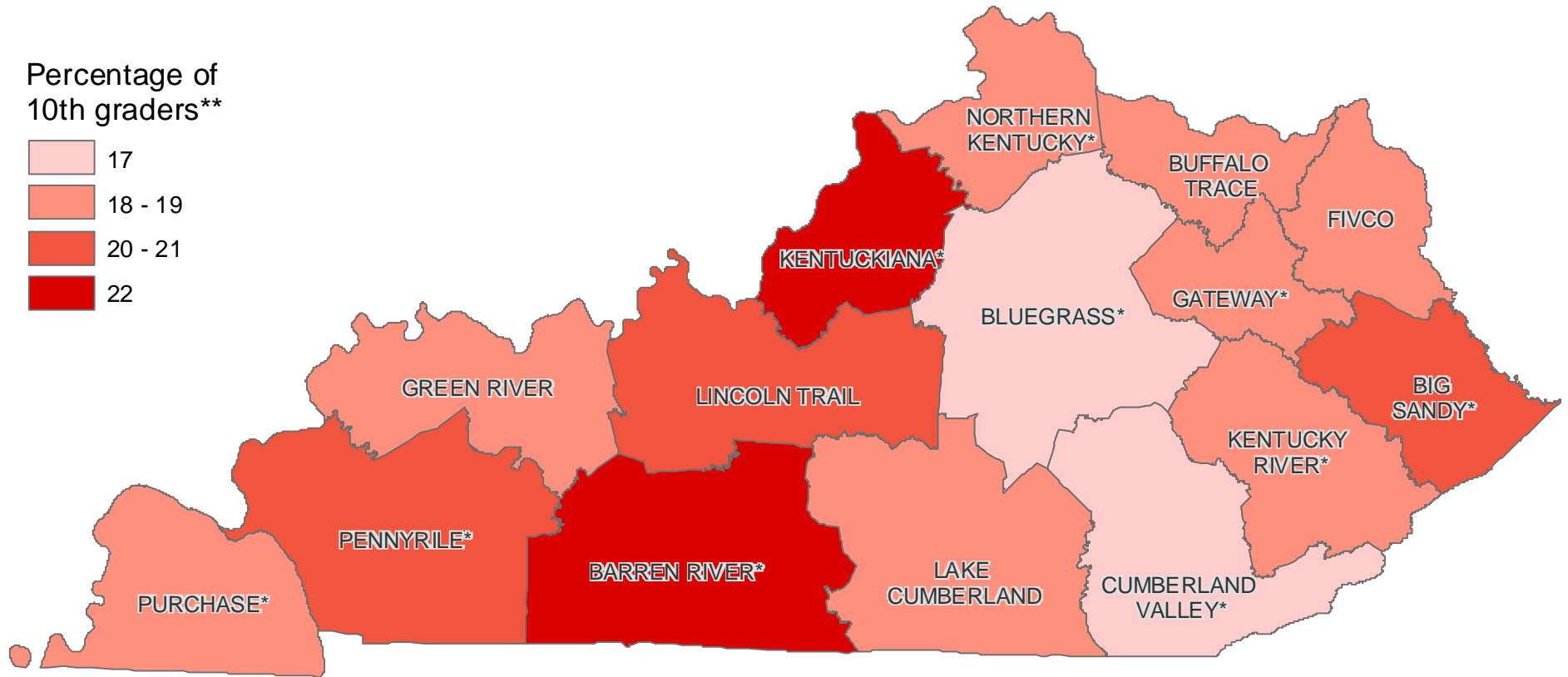
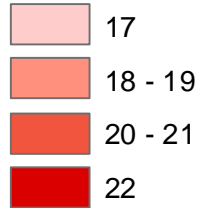
BLUEGRASS: Anderson, Madison, Harrison
 GATEWAY: Bath
 CUMBERLAND VALLEY: Jackson
 KENTUCKY RIVER: Wolfe
 BIG SANDY: Martin

**Data is classified using quartiles. The first class contains the lowest 25% of the data values, the second class contains the next lowest 25%, and the fourth and last class contains the highest 25% of data values. Quartiles are effective for comparing maps since they allow comparisons based on the rank ordering of the four classes.

Grade 10 - Binge Drinking, 2006

(% responding they had 5 or more drinks on at least one occasion in past two weeks)

Percentage of 10th graders**



*NON-PARTICIPATING COUNTIES BY REGION

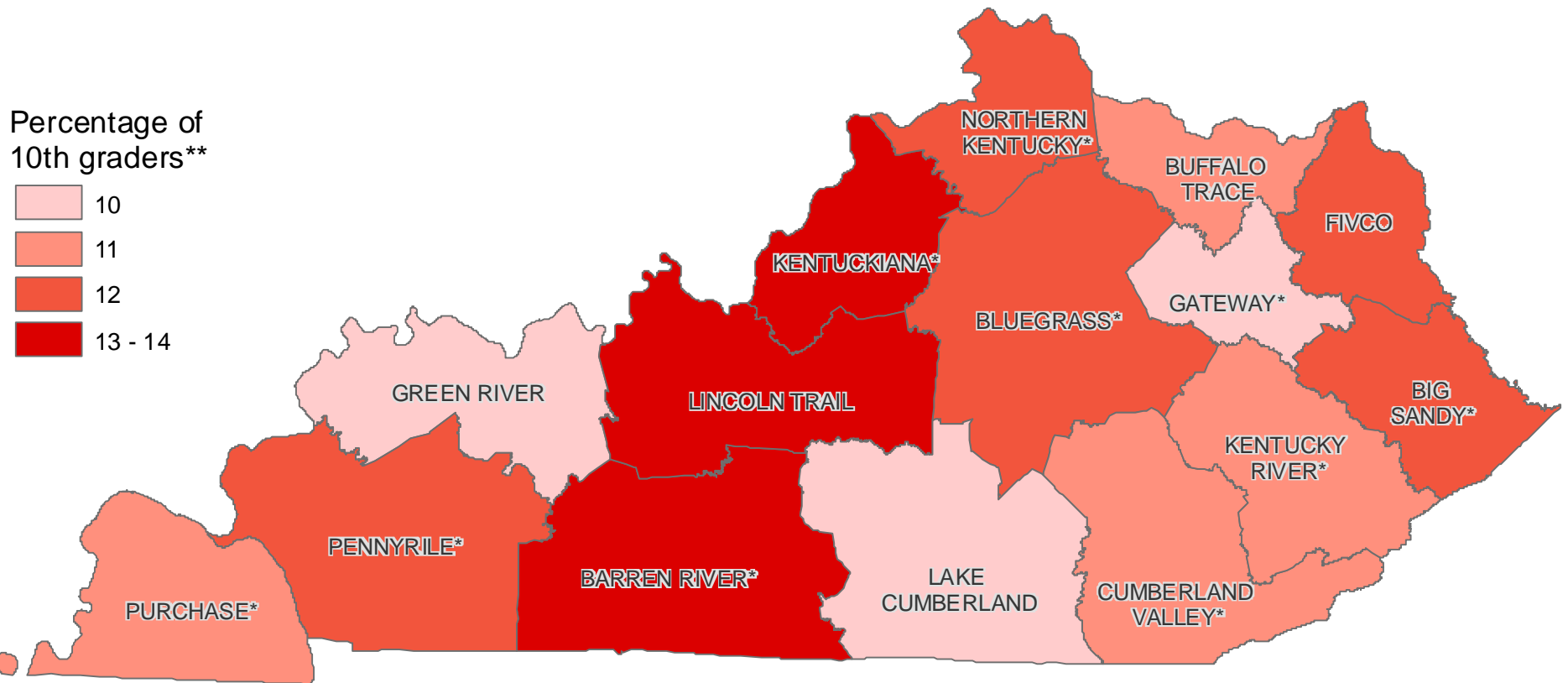
PURCHASE: Hickman
 PENNYRILE: Trigg
 BARREN RIVER: Warren, Hart
 KENTUCKIANA: Jefferson
 NORTHERN KY: Pendleton

BLUEGRASS: Anderson, Madison, Harrison
 GATEWAY: Bath
 CUMBERLAND VALLEY: Jackson
 KENTUCKY RIVER: Wolfe
 BIG SANDY: Martin

**Data is classified using quartiles. The first class contains the lowest 25% of the data values, the second class contains the next lowest 25%, and the fourth and last class contains the highest 25% of data values. Quartiles are effective for comparing maps since they allow comparisons based on the rank ordering of the four classes.

Grade 10 - Drunkenness, 2006

(% responding that they had been drunk more than 3 times in past 30 days)



*NON-PARTICIPATING COUNTIES BY REGION

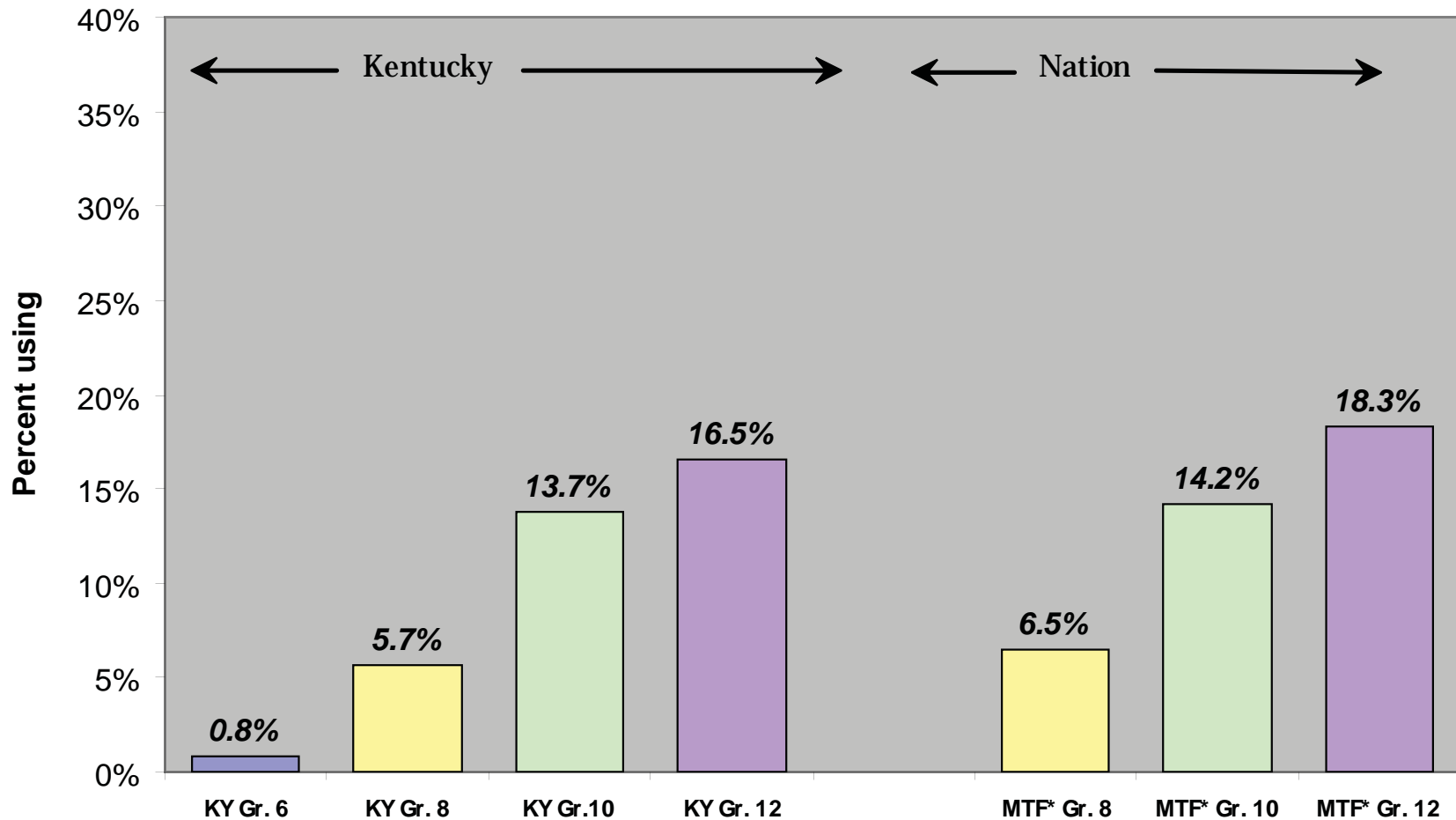
PURCHASE: Hickman
 PENNYRILE: Trigg
 BARREN RIVER: Warren, Hart
 KENTUCKIANA: Jefferson
 NORTHERN KY: Pendleton

BLUEGRASS: Anderson, Madison, Harrison
 GATEWAY: Bath
 CUMBERLAND VALLEY: Jackson
 KENTUCKY RIVER: Wolfe
 BIG SANDY: Martin

**Data is classified using quartiles. The first class contains the lowest 25% of the data values, the second class contains the next lowest 25%, and the fourth and last class contains the highest 25% of data values. Quartiles are effective for comparing maps since they allow comparisons based on the rank ordering of the four classes.

Marijuana 30-day Use

Percent of students responding that they had used the substance one or more times within the past 30 days

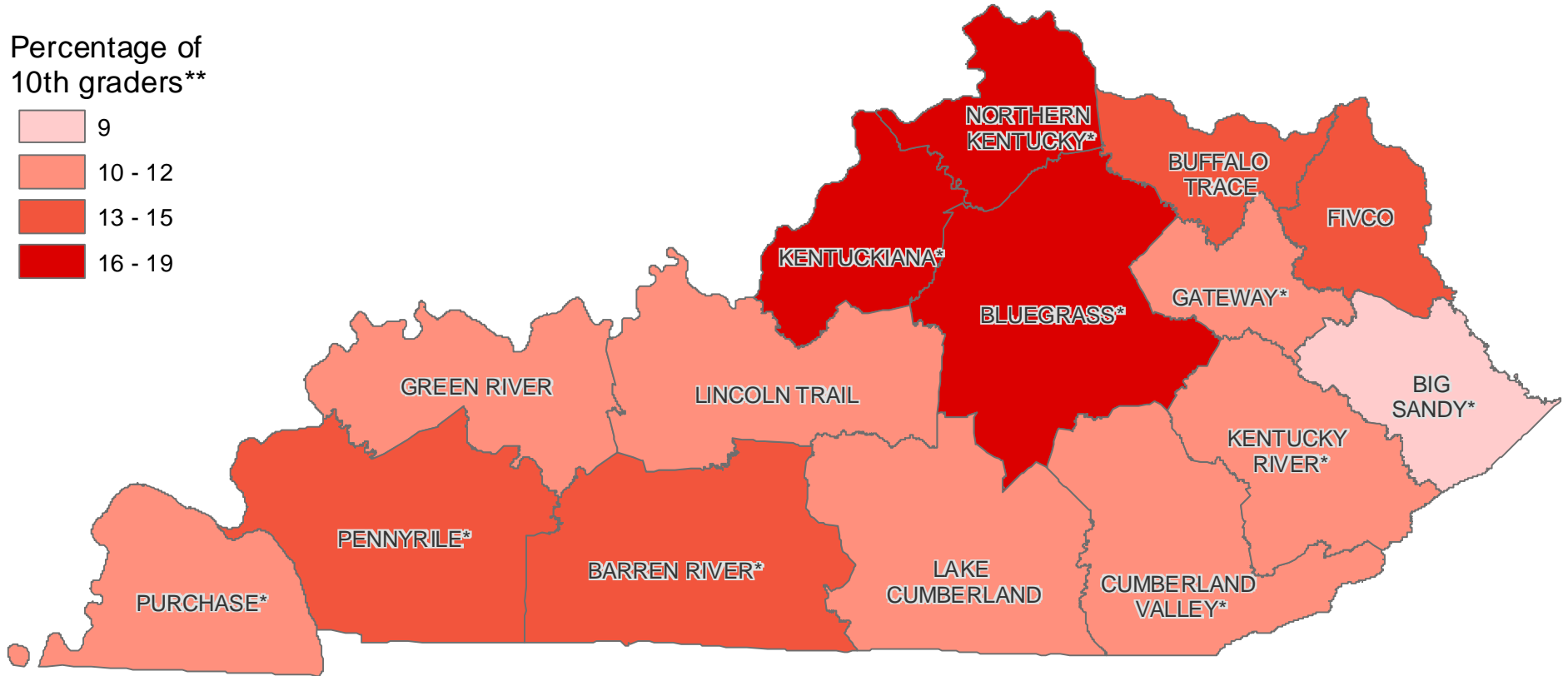
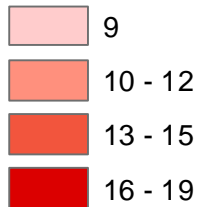


*MTF = Monitoring the Future: annual study administered by the University of Michigan

Grade 10 - Marijuana 30-Day Use, 2006

(% responding that they had used the substance one or more times within the past 30 days)

Percentage of 10th graders**



*NON-PARTICIPATING COUNTIES BY REGION

PURCHASE: Hickman
 PENNYRILE: Trigg
 BARREN RIVER: Warren, Hart
 KENTUCKIANA: Jefferson
 NORTHERN KY: Pendleton

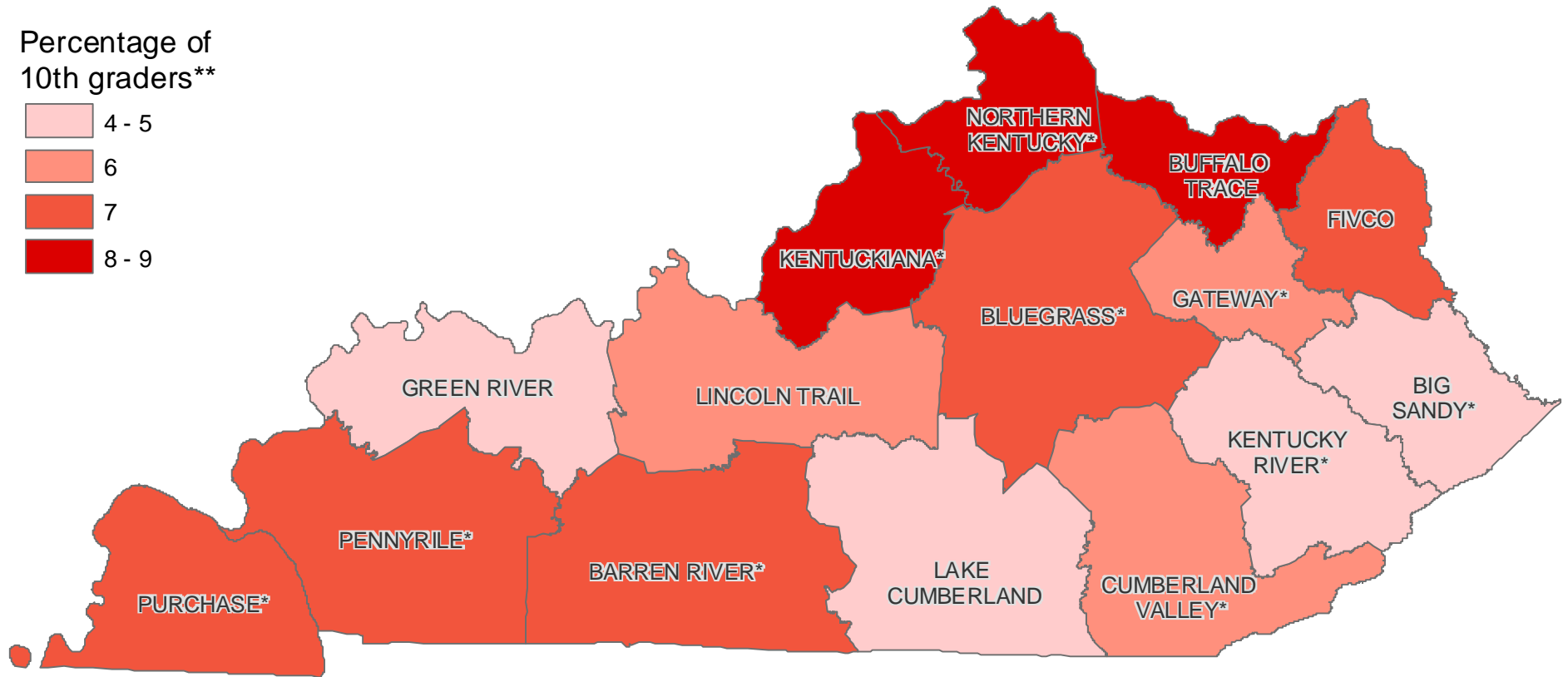
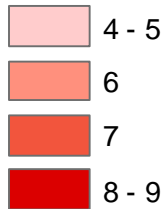
BLUEGRASS: Anderson, Madison, Harrison
 GATEWAY: Bath
 CUMBERLAND VALLEY: Jackson
 KENTUCKY RIVER: Wolfe
 BIG SANDY: Martin

**Data is classified using quartiles. The first class contains the lowest 25% of the data values, the second class contains the next lowest 25%, and the fourth and last class contains the highest 25% of data values. Quartiles are effective for comparing maps since they allow comparisons based on the rank ordering of the four classes.

Grade 10 - Heavy Marijuana Use, 2006

(% responding that they used 6 or more times within the past 30 days)

Percentage of 10th graders**



*NON-PARTICIPATING COUNTIES BY REGION

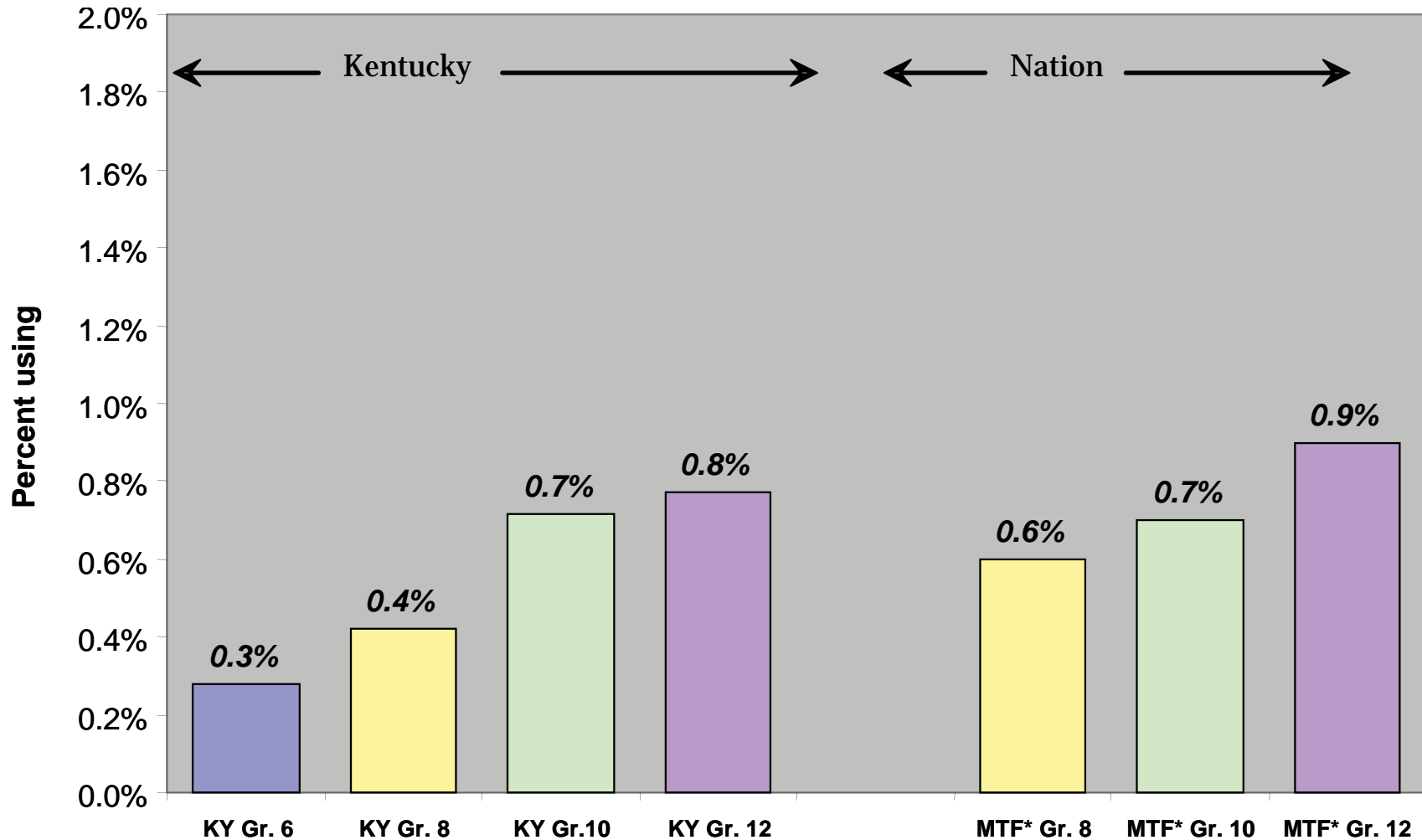
PURCHASE: Hickman
 PENNYRILE: Trigg
 BARREN RIVER: Warren, Hart
 KENTUCKIANA: Jefferson
 NORTHERN KY: Pendleton

BLUEGRASS: Anderson, Madison, Harrison
 GATEWAY: Bath
 CUMBERLAND VALLEY: Jackson
 KENTUCKY RIVER: Wolfe
 BIG SANDY: Martin

**Data is classified using quartiles. The first class contains the lowest 25% of the data values, the second class contains the next lowest 25%, and the fourth and last class contains the highest 25% of data values. Quartiles are effective for comparing maps since they allow comparisons based on the rank ordering of the four classes.

Methamphetamine 30-day Use

Percent of students responding that they had used the substance one or more times within the past 30 days

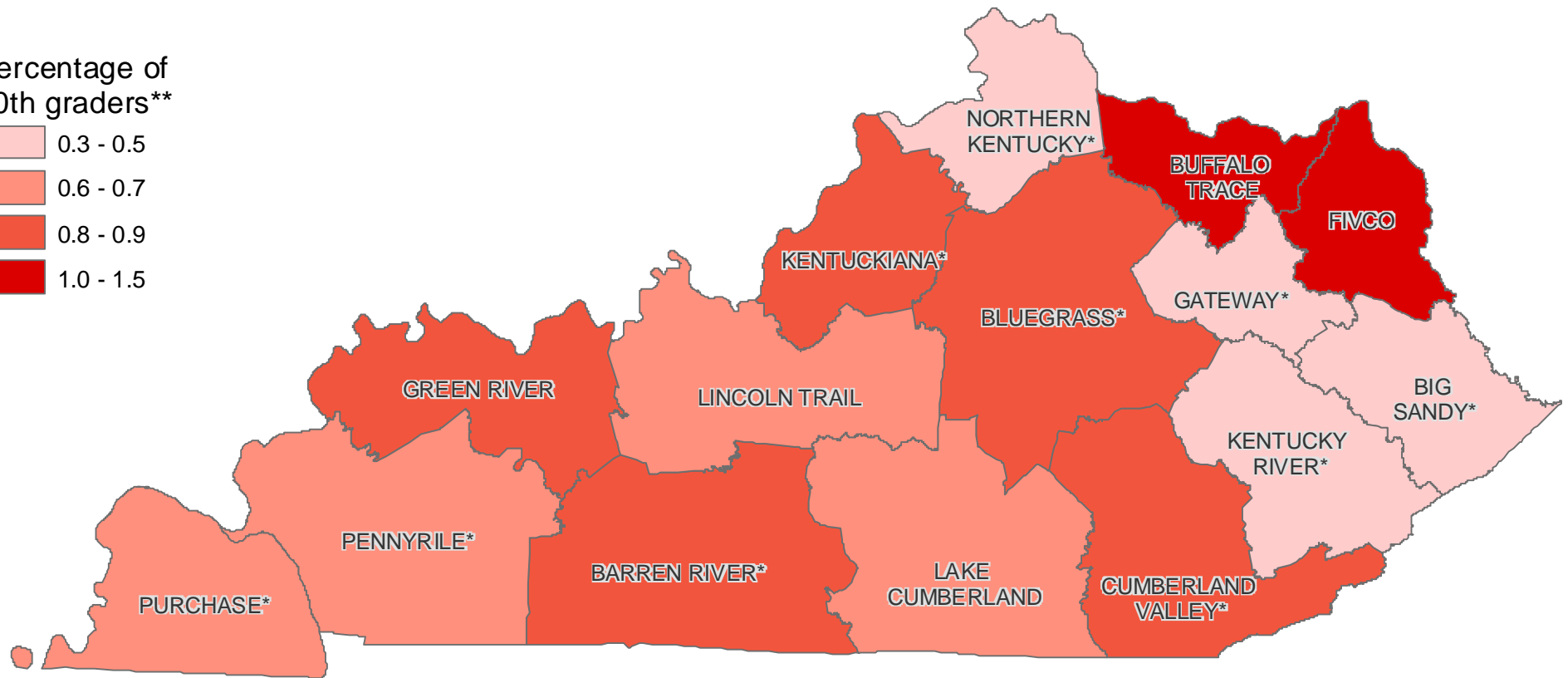
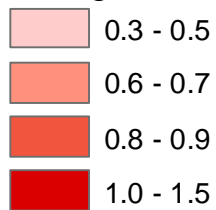


*MTF = Monitoring the Future: annual study administered by the University of Michigan

Grade 10 - 30-Day Methamphetamine Use, 2006

(% responding that they had used the substance one or more times within the past 30 days)

Percentage of 10th graders**



*NON-PARTICIPATING COUNTIES BY REGION

PURCHASE: Hickman
 PENNYRILE: Trigg
 BARREN RIVER: Warren, Hart
 KENTUCKIANA: Jefferson
 NORTHERN KY: Pendleton

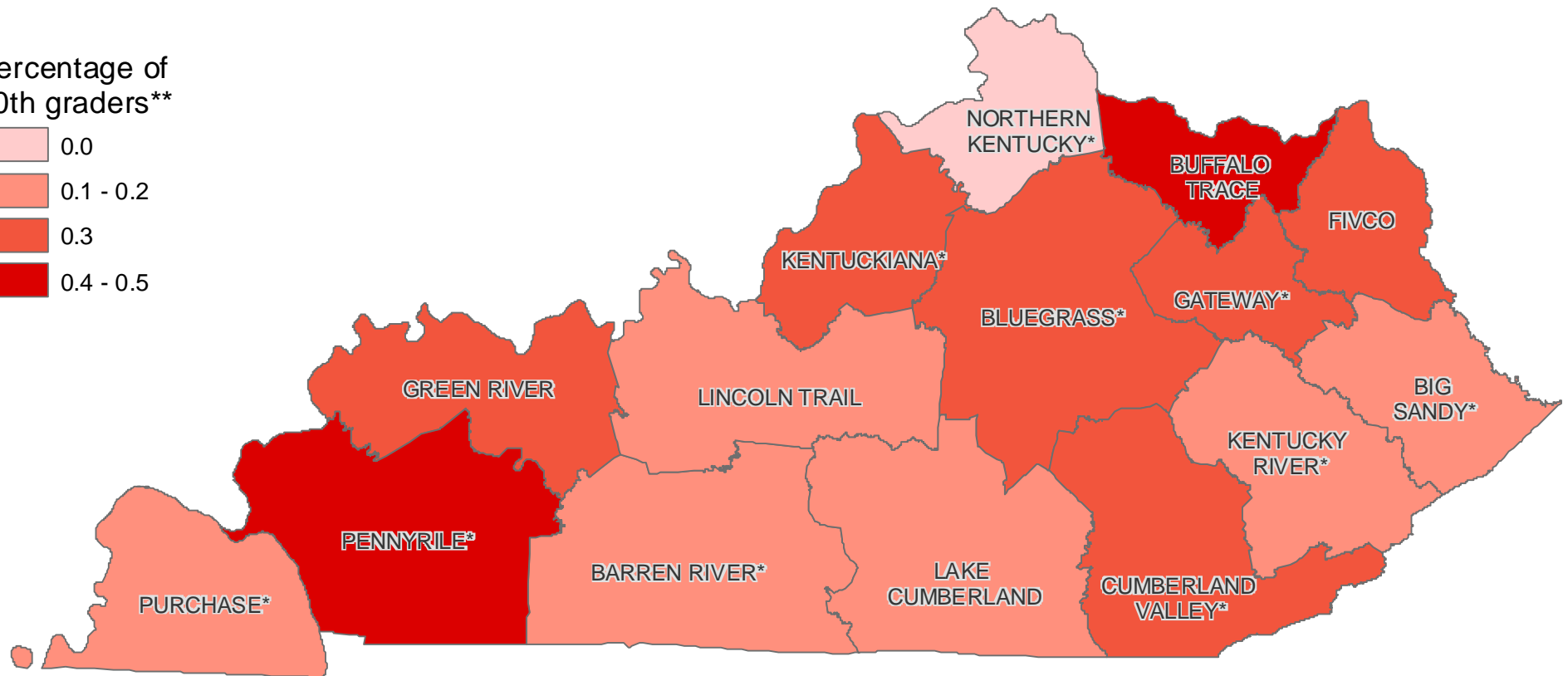
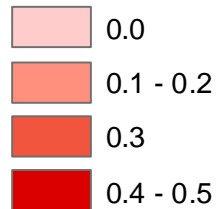
BLUEGRASS: Anderson, Madison, Harrison
 GATEWAY: Bath
 CUMBERLAND VALLEY: Jackson
 KENTUCKY RIVER: Wolfe
 BIG SANDY: Martin

**Data is classified using quartiles. The first class contains the lowest 25% of the data values, the second class contains the next lowest 25%, and the fourth and last class contains the highest 25% of data values. Quartiles are effective for comparing maps since they allow comparisons based on the rank ordering of the four classes.

Grade 10 - Heavy Methamphetamine Use, 2006

(% responding that they had used 6 or more times in past 30 days)

Percentage of 10th graders**



*NON-PARTICIPATING COUNTIES BY REGION

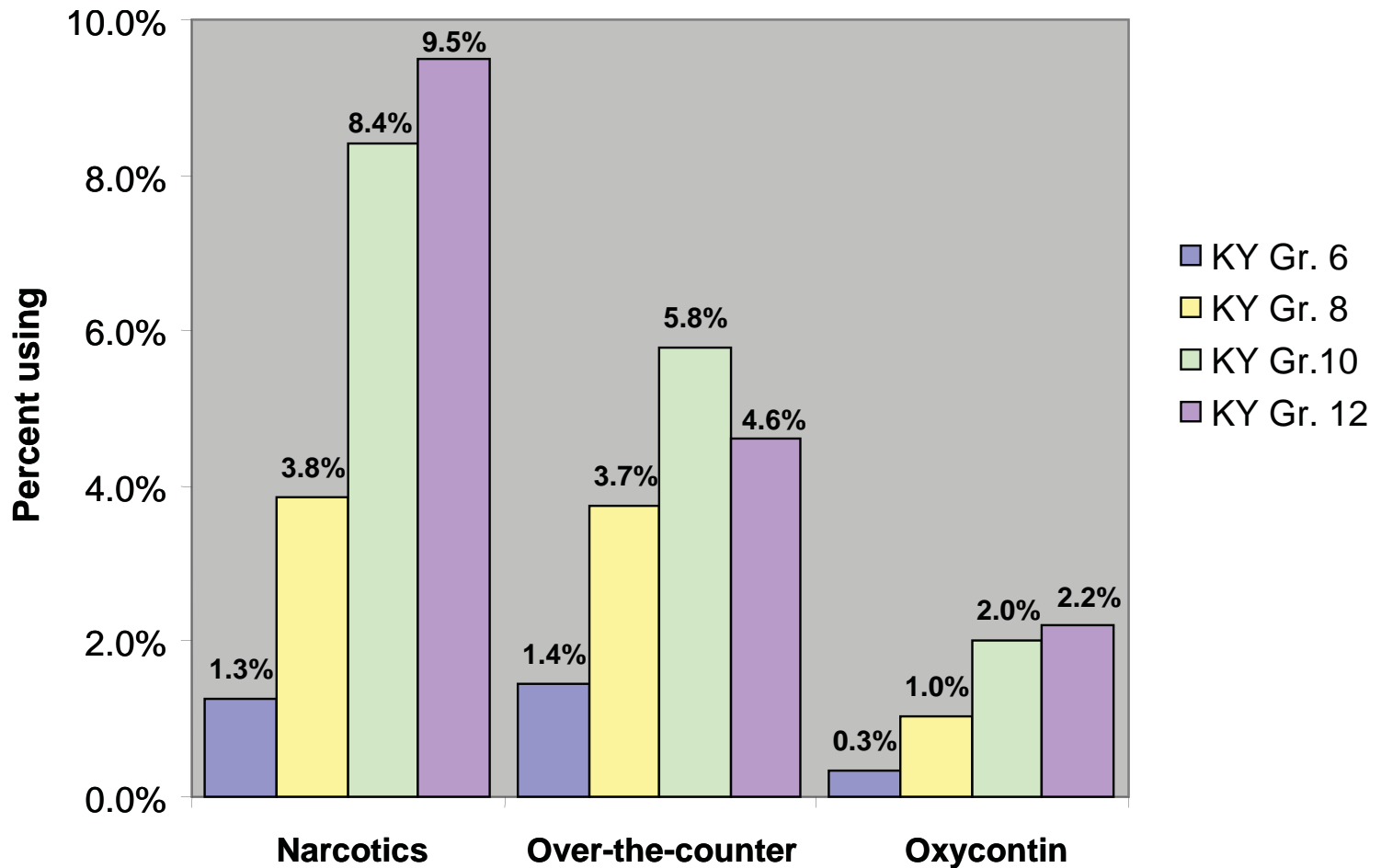
PURCHASE: Hickman
 PENNYRILE: Trigg
 BARREN RIVER: Warren, Hart
 KENTUCKIANA: Jefferson
 NORTHERN KY: Pendleton

BLUEGRASS: Anderson, Madison, Harrison
 GATEWAY: Bath
 CUMBERLAND VALLEY: Jackson
 KENTUCKY RIVER: Wolfe
 BIG SANDY: Martin

**Data is classified using quartiles. The first class contains the lowest 25% of the data values, the second class contains the next lowest 25%, and the fourth and last class contains the highest 25% of data values. Quartiles are effective for comparing maps since they allow comparisons based on the rank ordering of the four classes.

Prescription and Over-the-Counter 30-day Use

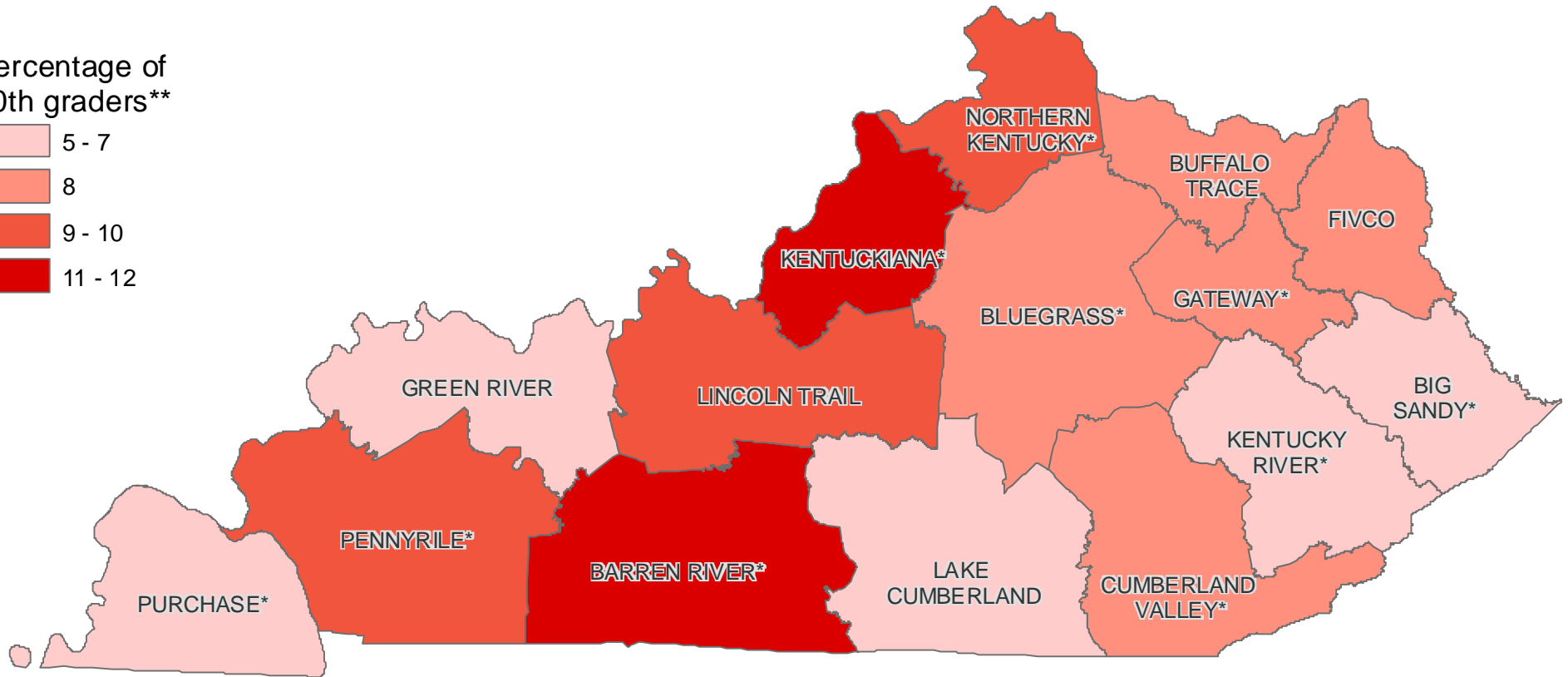
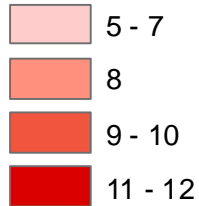
Percent of students responding that they had used the substance one or more times within the past 30 days



Grade 10 - 30-Day Narcotics/Prescription Drug Use, 2006

(% responding that they had used the substance one or more times within the past 30 days)

Percentage of 10th graders**



*NON-PARTICIPATING COUNTIES BY REGION

PURCHASE: Hickman
 PENNYRILE: Trigg
 BARREN RIVER: Warren, Hart
 KENTUCKIANA: Jefferson
 NORTHERN KY: Pendleton

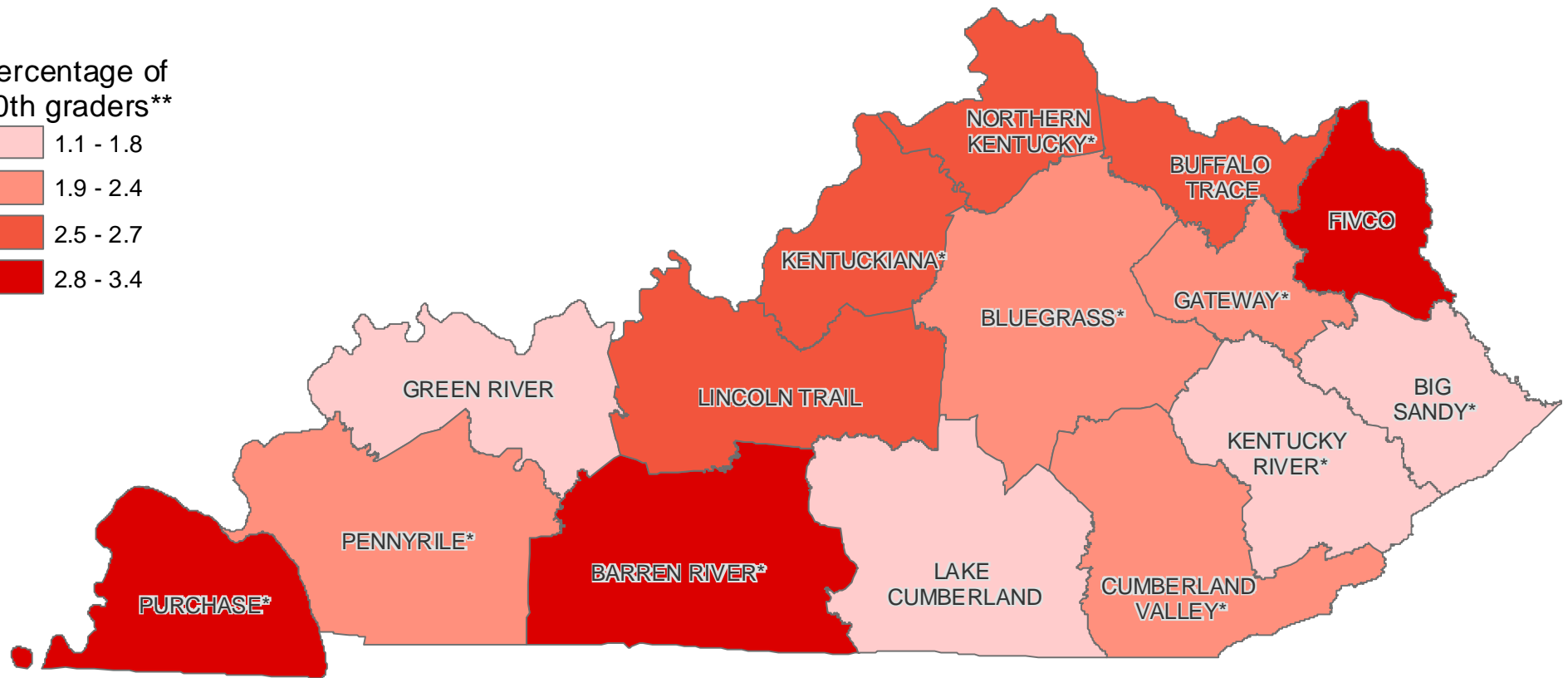
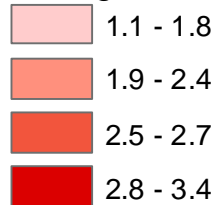
BLUEGRASS: Anderson, Madison, Harrison
 GATEWAY: Bath
 CUMBERLAND VALLEY: Jackson
 KENTUCKY RIVER: Wolfe
 BIG SANDY: Martin

**Data is classified using quartiles. The first class contains the lowest 25% of the data values, the second class contains the next lowest 25%, and the fourth and last class contains the highest 25% of data values. Quartiles are effective for comparing maps since they allow comparisons based on the rank ordering of the four classes.

Grade 10 - Heavy Narcotics/Prescription Drug Use, 2006

(% responding that they had used 6 or more times in past 30 days)

Percentage of 10th graders**



*NON-PARTICIPATING COUNTIES BY REGION

PURCHASE: Hickman
 PENNYRILE: Trigg
 BARREN RIVER: Warren, Hart
 KENTUCKIANA: Jefferson
 NORTHERN KY: Pendleton

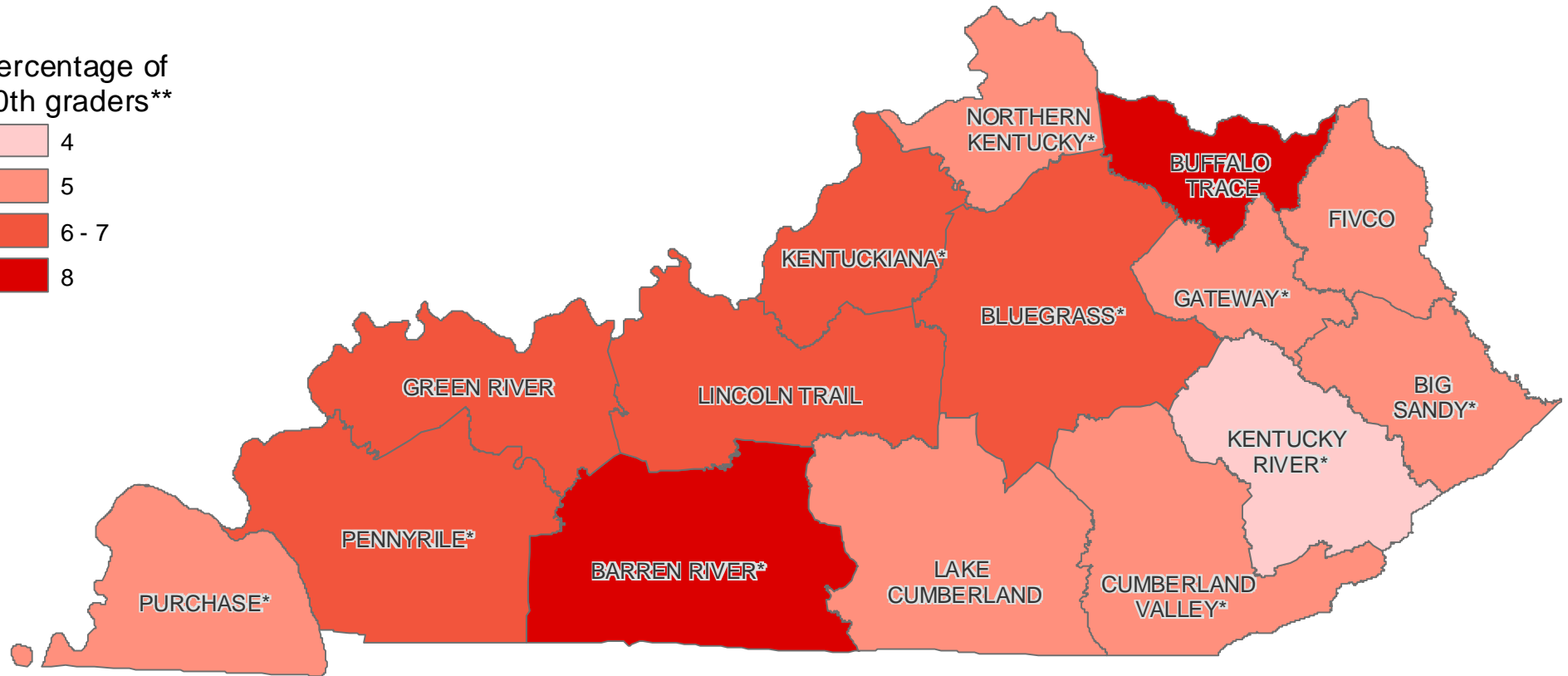
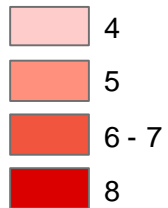
BLUEGRASS: Anderson, Madison, Harrison
 GATEWAY: Bath
 CUMBERLAND VALLEY: Jackson
 KENTUCKY RIVER: Wolfe
 BIG SANDY: Martin

**Data is classified using quartiles. The first class contains the lowest 25% of the data values, the second class contains the next lowest 25%, and the fourth and last class contains the highest 25% of data values. Quartiles are effective for comparing maps since they allow comparisons based on the rank ordering of the four classes.

Grade 10 - 30-Day Over-the-Counter Drug Use, 2006

(% responding that they had used the substance one or more times within the past 30 days)

Percentage of 10th graders**



*NON-PARTICIPATING COUNTIES BY REGION

PURCHASE: Hickman
 PENNYRILE: Trigg
 BARREN RIVER: Warren, Hart
 KENTUCKIANA: Jefferson
 NORTHERN KY: Pendleton

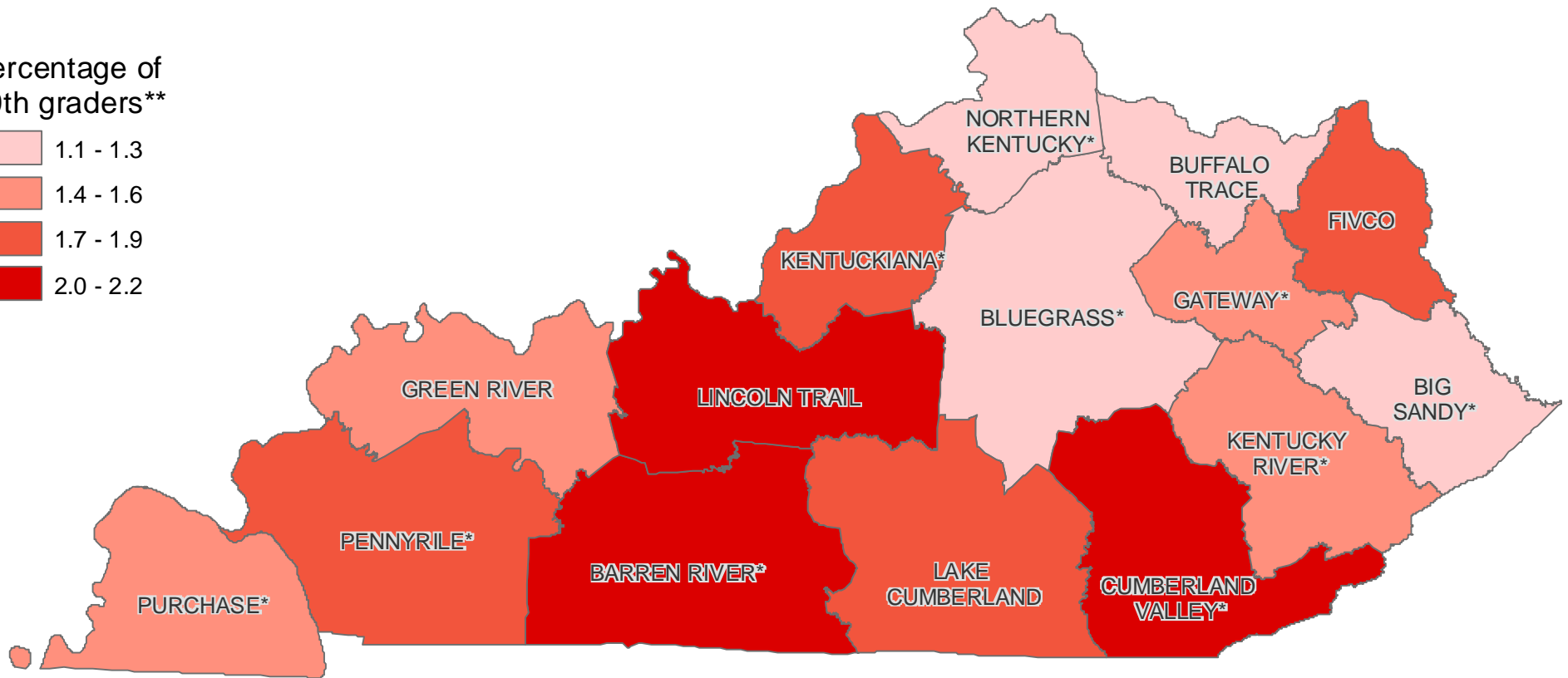
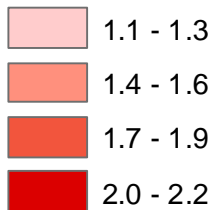
BLUEGRASS: Anderson, Madison, Harrison
 GATEWAY: Bath
 CUMBERLAND VALLEY: Jackson
 KENTUCKY RIVER: Wolfe
 BIG SANDY: Martin

**Data is classified using quartiles. The first class contains the lowest 25% of the data values, the second class contains the next lowest 25%, and the fourth and last class contains the highest 25% of data values. Quartiles are effective for comparing maps since they allow comparisons based on the rank ordering of the four classes.

Grade 10 - Heavy Over-the-Counter Drug Use, 2006

(% responding that they had used 6 or more times in past 30 days)

Percentage of 10th graders**



*NON-PARTICIPATING COUNTIES BY REGION

PURCHASE: Hickman
 PENNYRILE: Trigg
 BARREN RIVER: Warren, Hart
 KENTUCKIANA: Jefferson
 NORTHERN KY: Pendleton

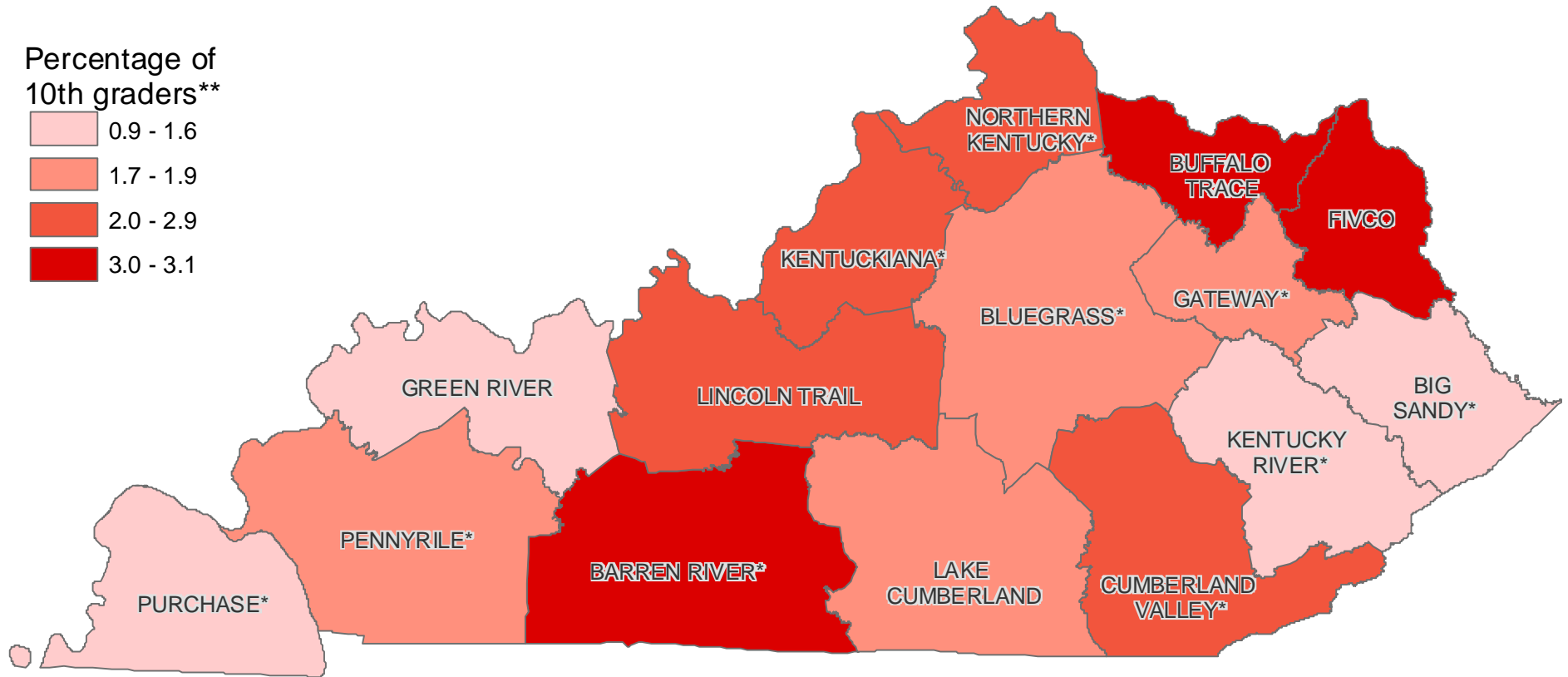
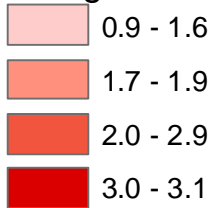
BLUEGRASS: Anderson, Madison, Harrison
 GATEWAY: Bath
 CUMBERLAND VALLEY: Jackson
 KENTUCKY RIVER: Wolfe
 BIG SANDY: Martin

**Data is classified using quartiles. The first class contains the lowest 25% of the data values, the second class contains the next lowest 25%, and the fourth and last class contains the highest 25% of data values. Quartiles are effective for comparing maps since they allow comparisons based on the rank ordering of the four classes.

Grade 10 - 30-Day Oxycontin Use, 2006

(% responding that they had used the substance one or more times within the past 30 days)

Percentage of 10th graders**



*NON-PARTICIPATING COUNTIES BY REGION

PURCHASE: Hickman
 PENNYRILE: Trigg
 BARREN RIVER: Warren, Hart
 KENTUCKIANA: Jefferson
 NORTHERN KY: Pendleton

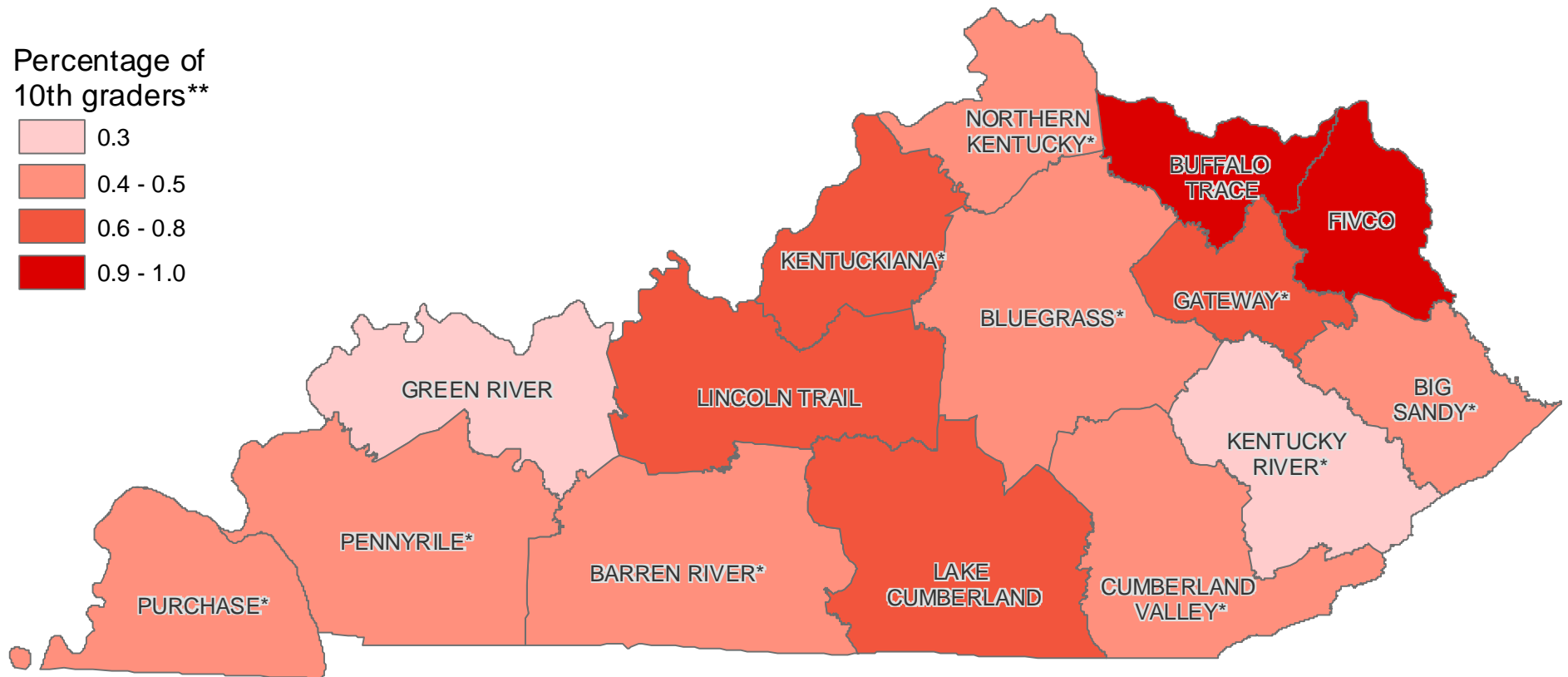
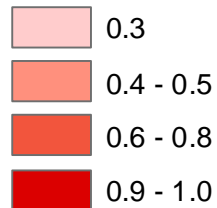
BLUEGRASS: Anderson, Madison, Harrison
 GATEWAY: Bath
 CUMBERLAND VALLEY: Jackson
 KENTUCKY RIVER: Wolfe
 BIG SANDY: Martin

**Data is classified using quartiles. The first class contains the lowest 25% of the data values, the second class contains the next lowest 25%, and the fourth and last class contains the highest 25% of data values. Quartiles are effective for comparing maps since they allow comparisons based on the rank ordering of the four classes.

Grade 10 - Heavy Oxycontin Use, 2006

(% responding that they had used 6 or more times in past 30 days)

Percentage of
10th graders**



*NON-PARTICIPATING COUNTIES BY REGION

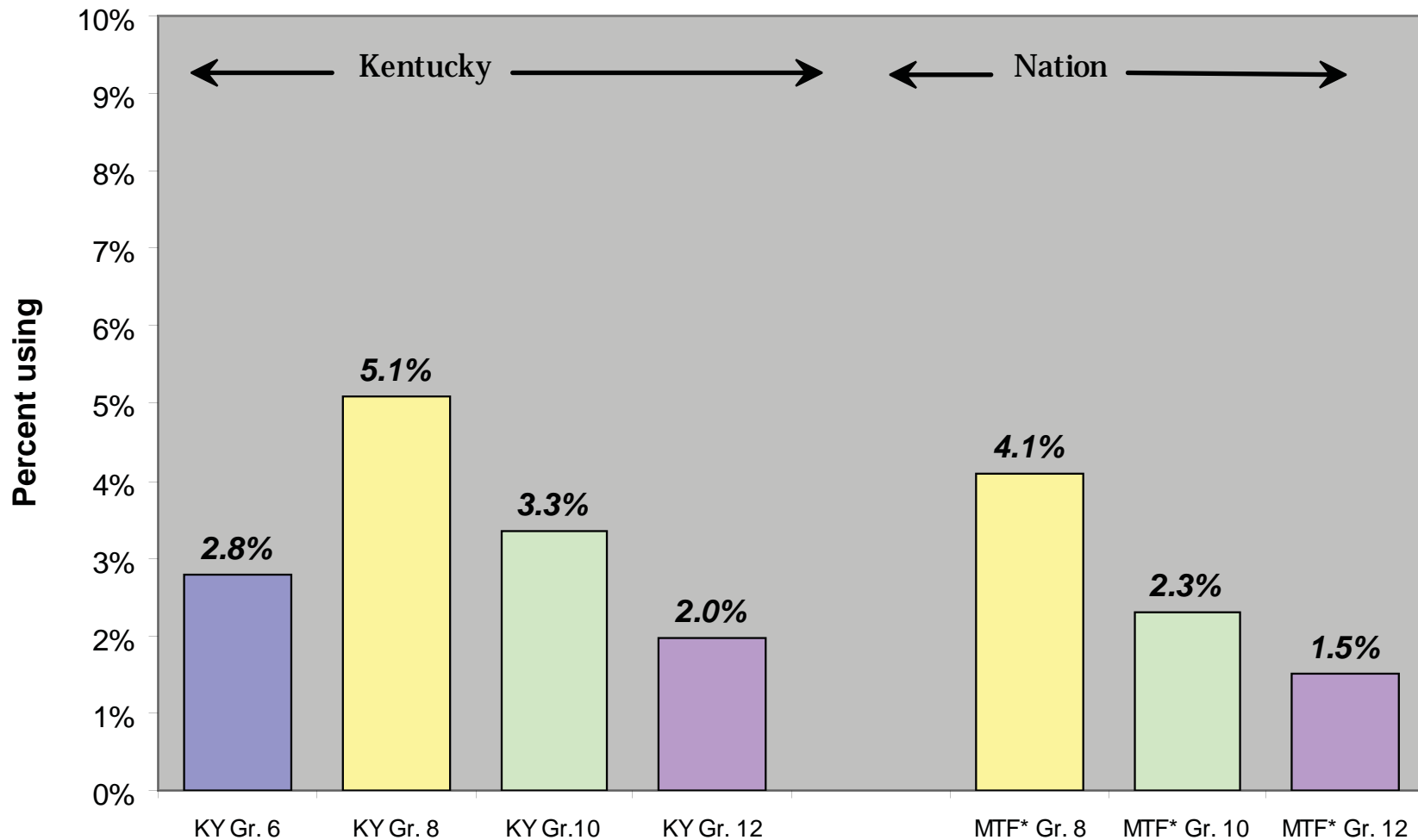
PURCHASE: Hickman
 PENNYRILE: Trigg
 BARREN RIVER: Warren, Hart
 KENTUCKIANA: Jefferson
 NORTHERN KY: Pendleton

BLUEGRASS: Anderson, Madison, Harrison
 GATEWAY: Bath
 CUMBERLAND VALLEY: Jackson
 KENTUCKY RIVER: Wolfe
 BIG SANDY: Martin

**Data is classified using quartiles. The first class contains the lowest 25% of the data values, the second class contains the next lowest 25%, and the fourth and last class contains the highest 25% of data values. Quartiles are effective for comparing maps since they allow comparisons based on the rank ordering of the four classes.

Inhalants 30-day Use

Percent of students responding that they had used the substance one or more times within the past 30 days

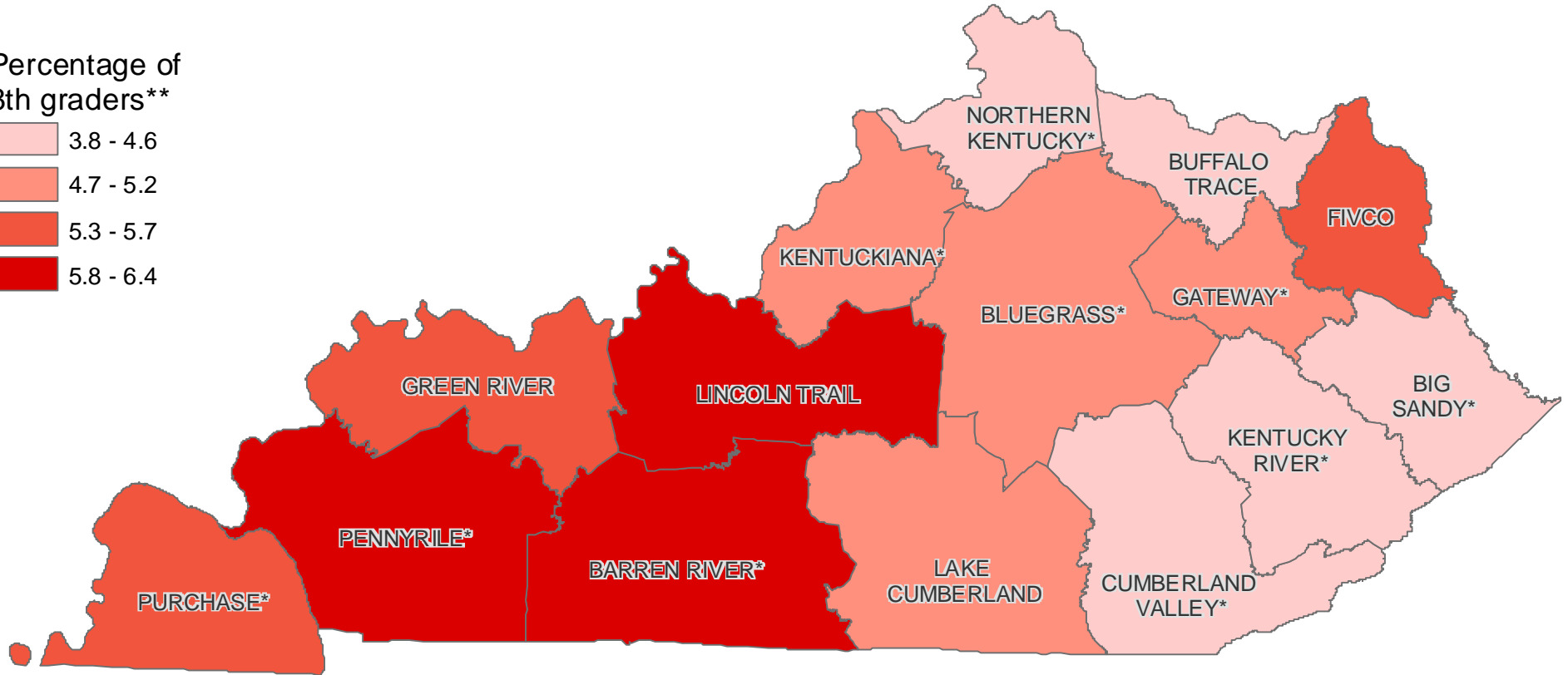
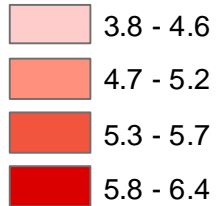


*MTF = Monitoring the Future: annual study administered by the University of Michigan

Grade 8 - 30-Day Inhalant Use, 2006

(% students responding that they had used the substance one or more times within the past 30 days)

Percentage of 8th graders**



*NON-PARTICIPATING COUNTIES BY REGION

PURCHASE: Hickman
 PENNYRILE: Trigg
 BARREN RIVER: Warren, Hart
 KENTUCKIANA: Jefferson
 NORTHERN KY: Pendleton

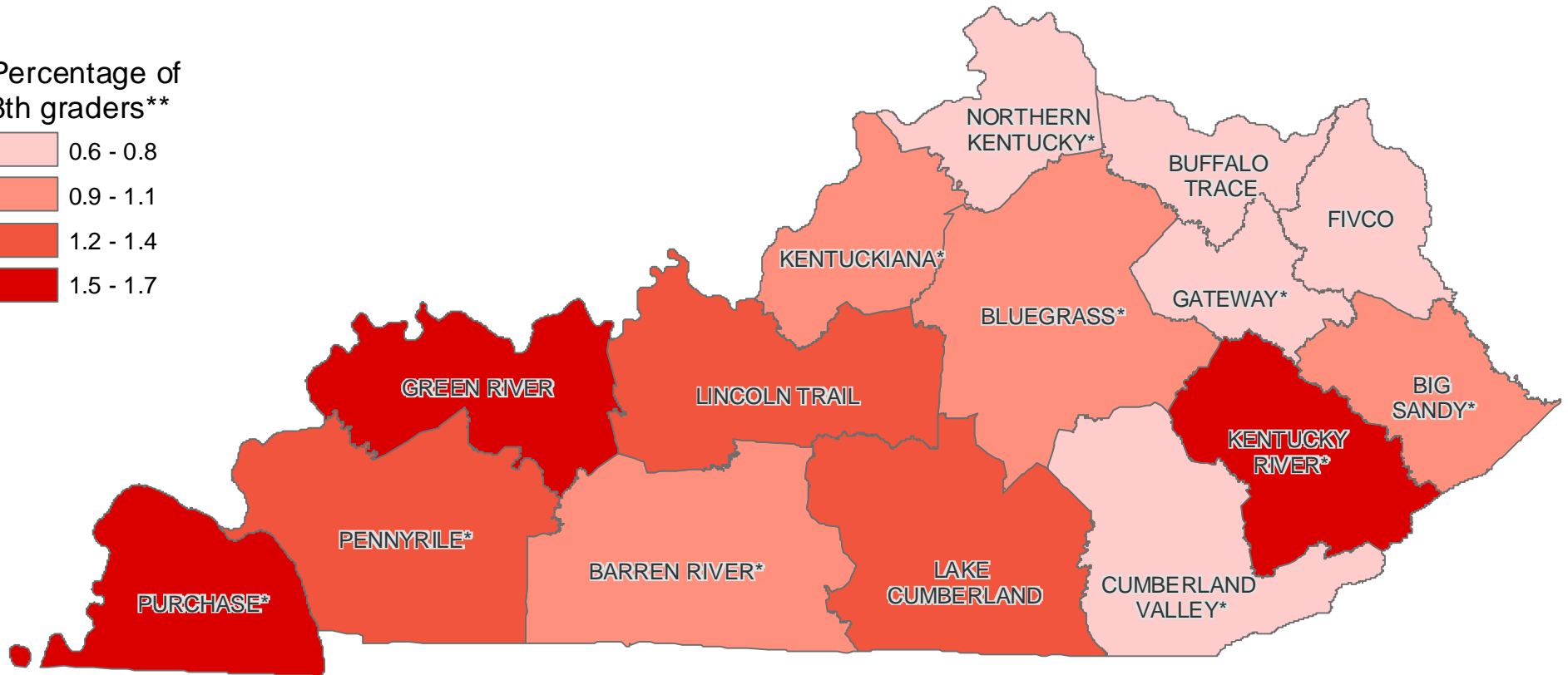
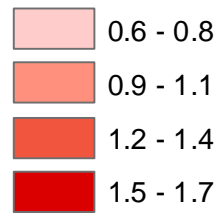
BLUEGRASS: Anderson, Madison, Harrison
 GATEWAY: Bath
 CUMBERLAND VALLEY: Jackson
 KENTUCKY RIVER: Wolfe
 BIG SANDY: Martin

**Data is classified using quartiles. The first class contains the lowest 25% of the data values, the second class contains the next lowest 25%, and the fourth and last class contains the highest 25% of data values. Quartiles are effective for comparing maps since they allow comparisons based on the rank ordering of the four classes.

Grade 8 - Heavy Inhalant Use, 2006

(% responding that they had used inhalants 6 or more times in the past 30 days)

Percentage of 8th graders**



*NON-PARTICIPATING COUNTIES BY REGION

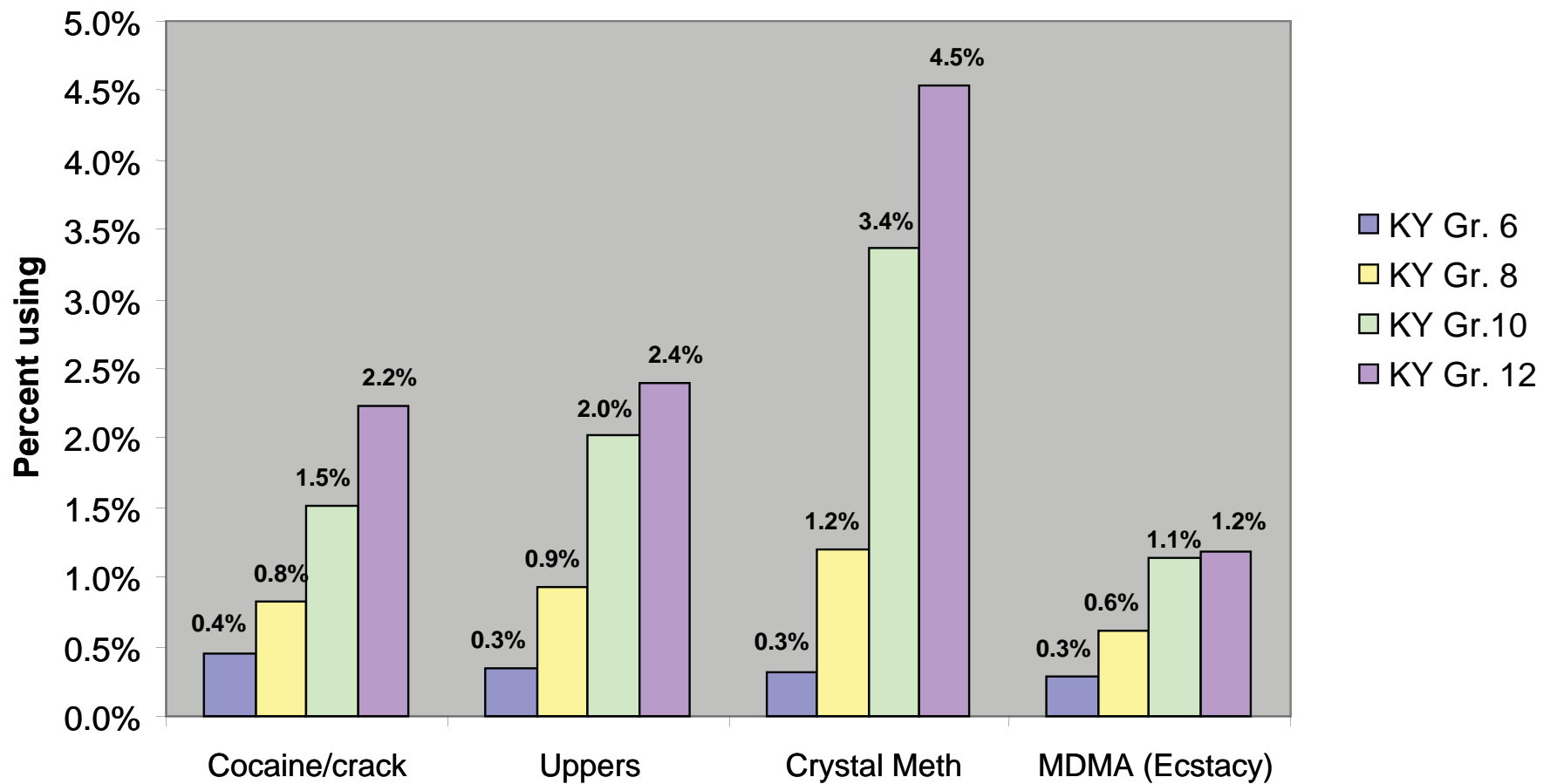
PURCHASE: Hickman
 PENNYRILE: Trigg
 BARREN RIVER: Warren, Hart
 KENTUCKIANA: Jefferson
 NORTHERN KY: Pendleton

BLUEGRASS: Anderson, Madison, Harrison
 GATEWAY: Bath
 CUMBERLAND VALLEY: Jackson
 KENTUCKY RIVER: Wolfe
 BIG SANDY: Martin

**Data is classified using quartiles. The first class contains the lowest 25% of the data values, the second class contains the next lowest 25%, and the fourth and last class contains the highest 25% of data values. Quartiles are effective for comparing maps since they allow comparisons based on the rank ordering of the four classes.

Selected Illicit Drugs, 30-day Use

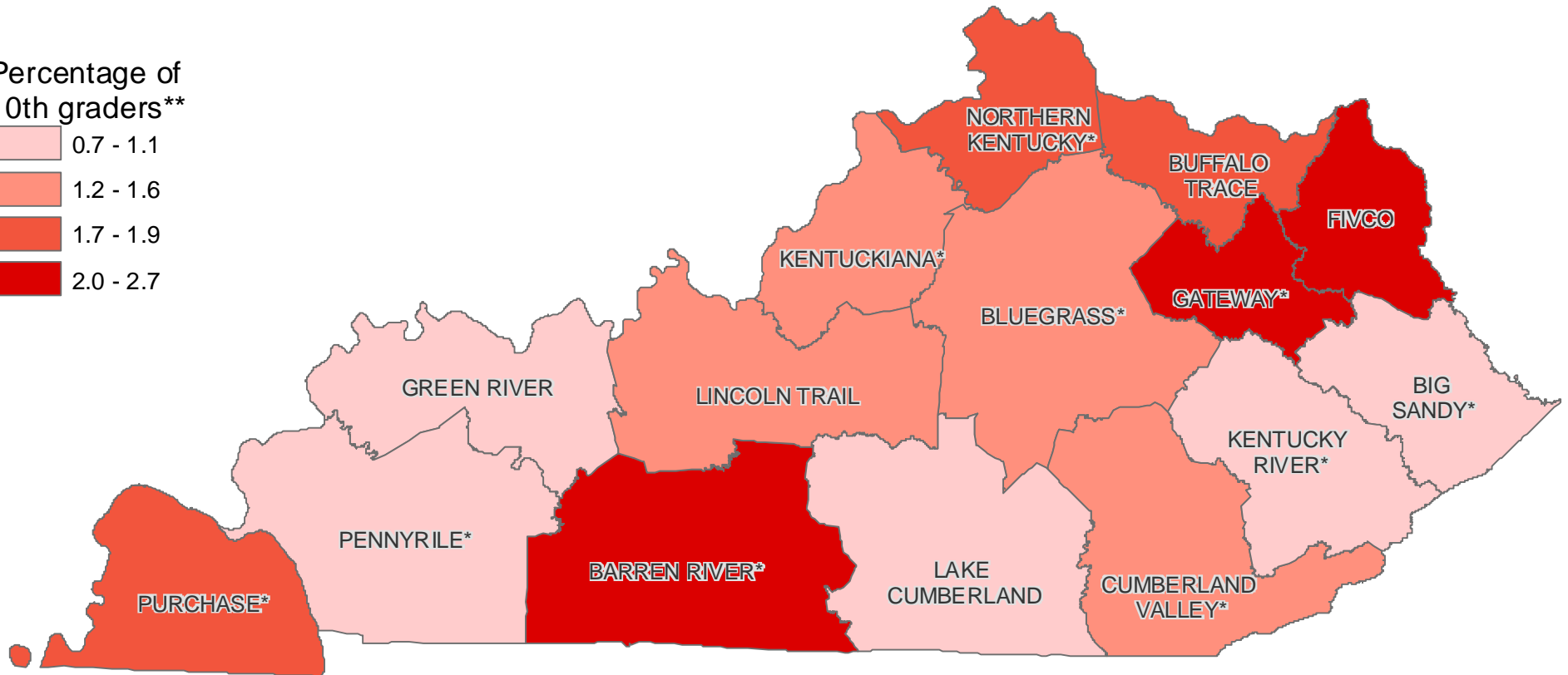
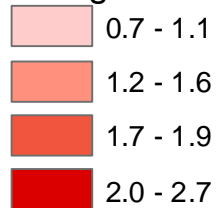
Percent of students responding that they had used the substance one or more times within the past 30 days



Grade 10 - Cocaine/Crack 30-Day Use, 2006

(% responding that they had used the substance one or more times within the past 30 days)

Percentage of 10th graders**



*NON-PARTICIPATING COUNTIES BY REGION

PURCHASE: Hickman
 PENNYRILE: Trigg
 BARREN RIVER: Warren, Hart
 KENTUCKIANA: Jefferson
 NORTHERN KY: Pendleton

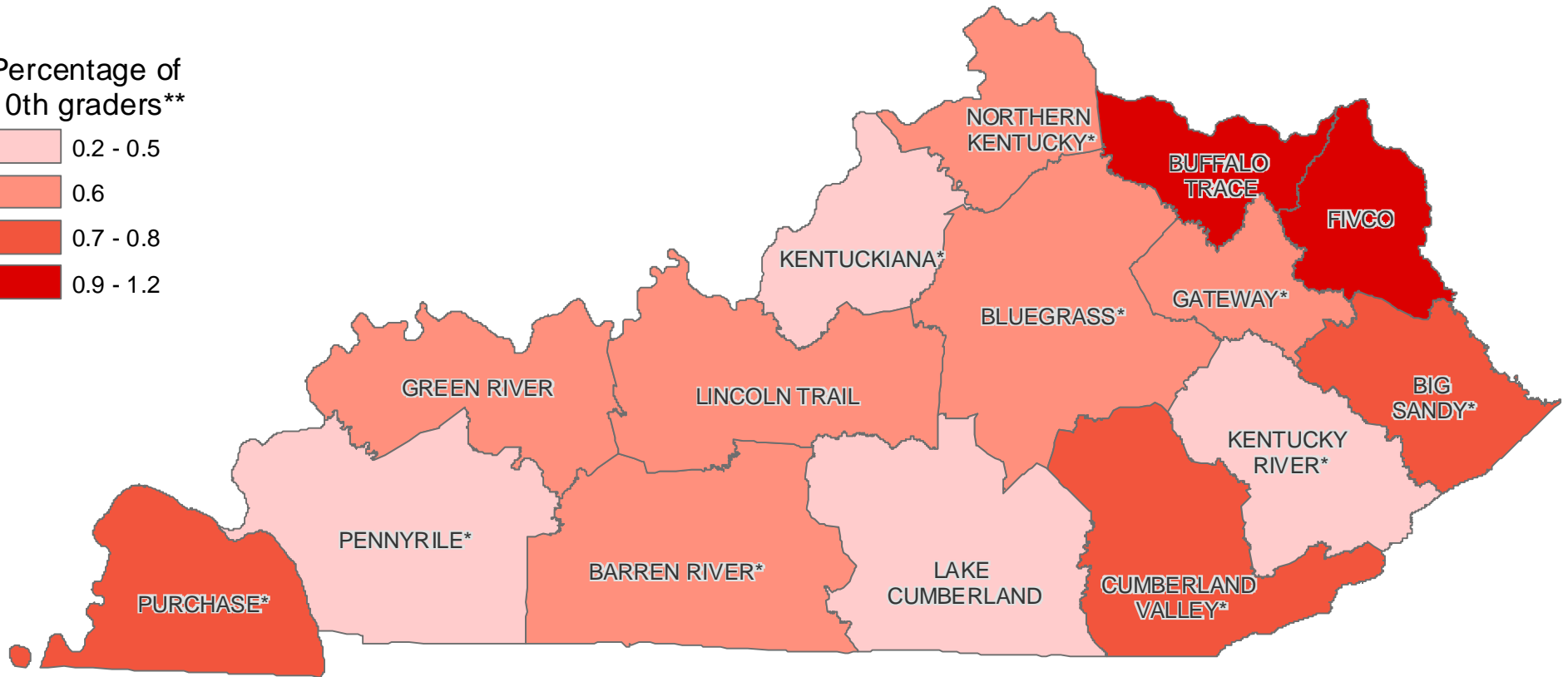
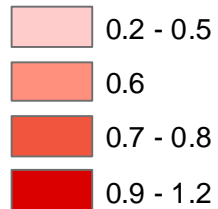
BLUEGRASS: Anderson, Madison, Harrison
 GATEWAY: Bath
 CUMBERLAND VALLEY: Jackson
 KENTUCKY RIVER: Wolfe
 BIG SANDY: Martin

**Data is classified using quartiles. The first class contains the lowest 25% of the data values, the second class contains the next lowest 25%, and the fourth and last class contains the highest 25% of data values. Quartiles are effective for comparing maps since they allow comparisons based on the rank ordering of the four classes.

Grade 10 - Heavy Cocaine/Crack Use, 2006

(% responding that they had used 6 or more times in past 30 days)

Percentage of 10th graders**



*NON-PARTICIPATING COUNTIES BY REGION

PURCHASE: Hickman
 PENNYRILE: Trigg
 BARREN RIVER: Warren, Hart
 KENTUCKIANA: Jefferson
 NORTHERN KY: Pendleton

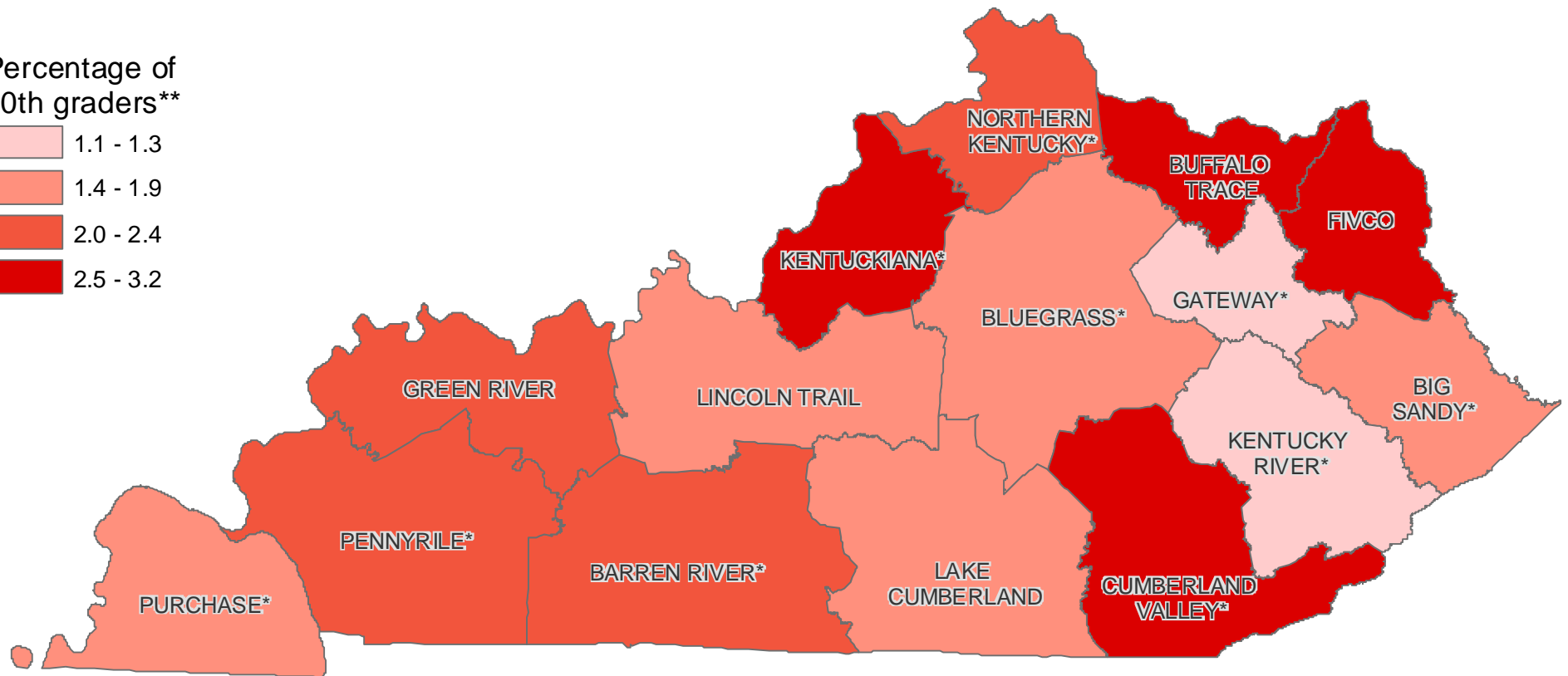
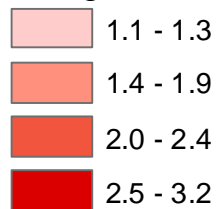
BLUEGRASS: Anderson, Madison, Harrison
 GATEWAY: Bath
 CUMBERLAND VALLEY: Jackson
 KENTUCKY RIVER: Wolfe
 BIG SANDY: Martin

**Data is classified using quartiles. The first class contains the lowest 25% of the data values, the second class contains the next lowest 25%, and the fourth and last class contains the highest 25% of data values. Quartiles are effective for comparing maps since they allow comparisons based on the rank ordering of the four classes.

Grade 10 - Uppers - 30-Day Use, 2006

(% responding that they had used the substance one or more times within the past 30 days)

Percentage of 10th graders**



*NON-PARTICIPATING COUNTIES BY REGION

PURCHASE: Hickman
 PENNYRILE: Trigg
 BARREN RIVER: Warren, Hart
 KENTUCKIANA: Jefferson
 NORTHERN KY: Pendleton

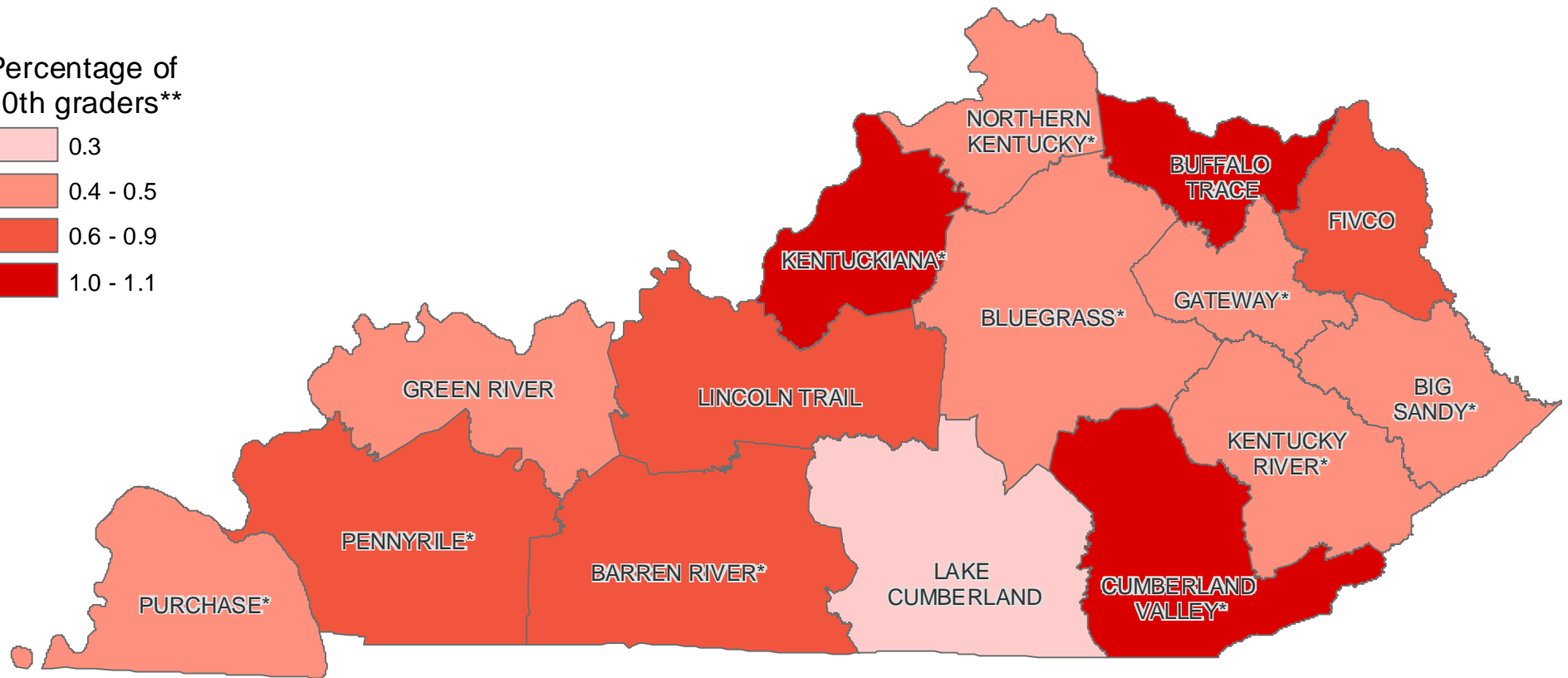
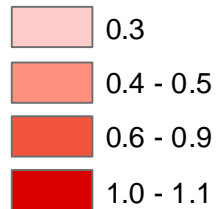
BLUEGRASS: Anderson, Madison, Harrison
 GATEWAY: Bath
 CUMBERLAND VALLEY: Jackson
 KENTUCKY RIVER: Wolfe
 BIG SANDY: Martin

**Data is classified using quartiles. The first class contains the lowest 25% of the data values, the second class contains the next lowest 25%, and the fourth and last class contains the highest 25% of data values. Quartiles are effective for comparing maps since they allow comparisons based on the rank ordering of the four classes.

Grade 10 - Uppers - Heavy Use, 2006

(% responding that they had used 6 or more times in past 30 days)

Percentage of 10th graders**



***NON-PARTICIPATING COUNTIES BY REGION**

PURCHASE: Hickman
 PENNYRILE: Trigg
 BARREN RIVER: Warren, Hart
 KENTUCKIANA: Jefferson
 NORTHERN KY: Pendleton

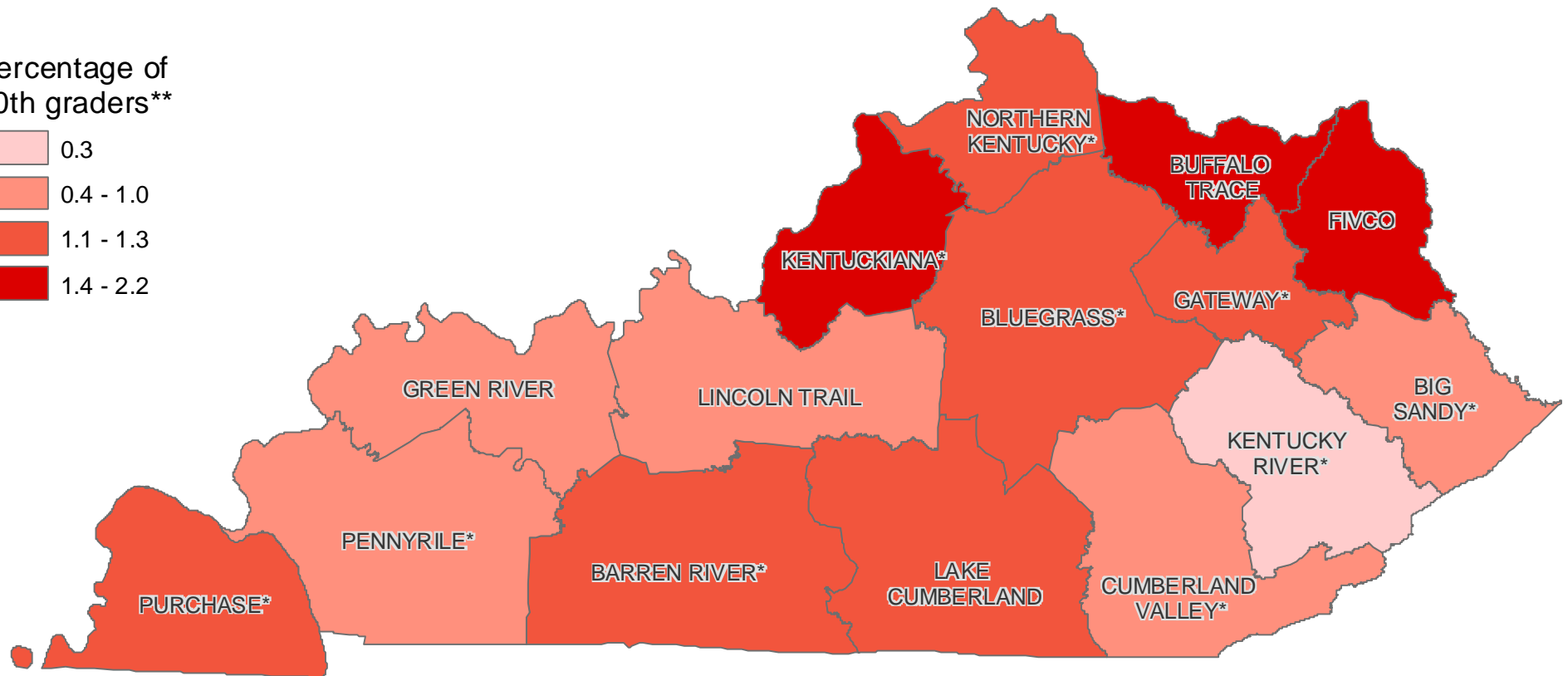
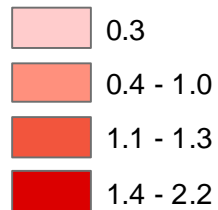
BLUEGRASS: Anderson, Madison, Harrison
 GATEWAY: Bath
 CUMBERLAND VALLEY: Jackson
 KENTUCKY RIVER: Wolfe
 BIG SANDY: Martin

**Data is classified using quartiles. The first class contains the lowest 25% of the data values, the second class contains the next lowest 25%, and the fourth and last class contains the highest 25% of data values. Quartiles are effective for comparing maps since they allow comparisons based on the rank ordering of the four classes.

Grade 10 - 30-Day Ecstasy Use, 2006

(% responding that they had used the substance one or more times within the past 30 days)

Percentage of 10th graders**



*NON-PARTICIPATING COUNTIES BY REGION

PURCHASE: Hickman
 PENNYRILE: Trigg
 BARREN RIVER: Warren, Hart
 KENTUCKIANA: Jefferson
 NORTHERN KY: Pendleton

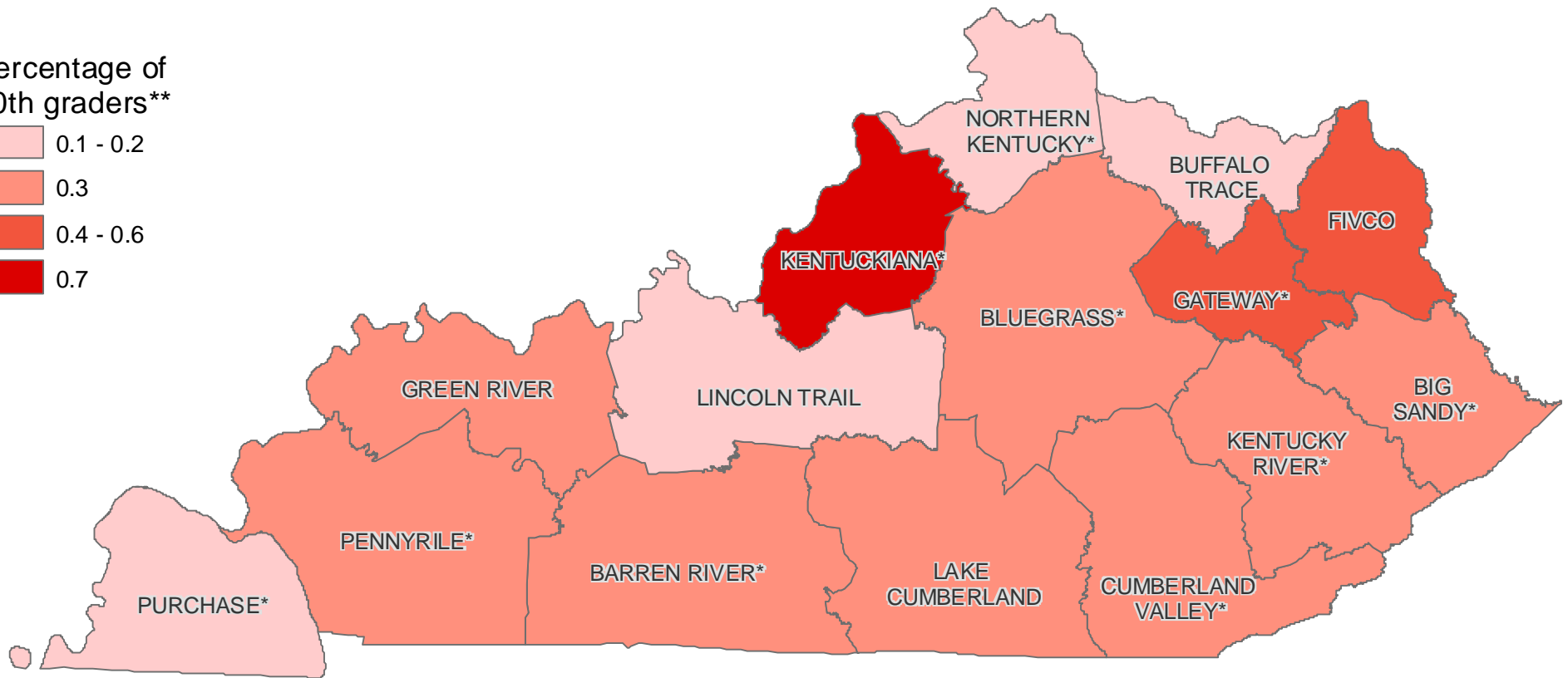
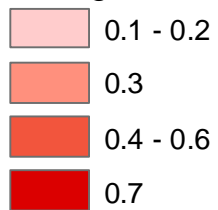
BLUEGRASS: Anderson, Madison, Harrison
 GATEWAY: Bath
 CUMBERLAND VALLEY: Jackson
 KENTUCKY RIVER: Wolfe
 BIG SANDY: Martin

**Data is classified using quartiles. The first class contains the lowest 25% of the data values, the second class contains the next lowest 25%, and the fourth and last class contains the highest 25% of data values. Quartiles are effective for comparing maps since they allow comparisons based on the rank ordering of the four classes.

Grade 10 - Heavy Ecstasy Use, 2006

(% responding that they had used 6 or more times in past 30 days)

Percentage of 10th graders**



*NON-PARTICIPATING COUNTIES BY REGION

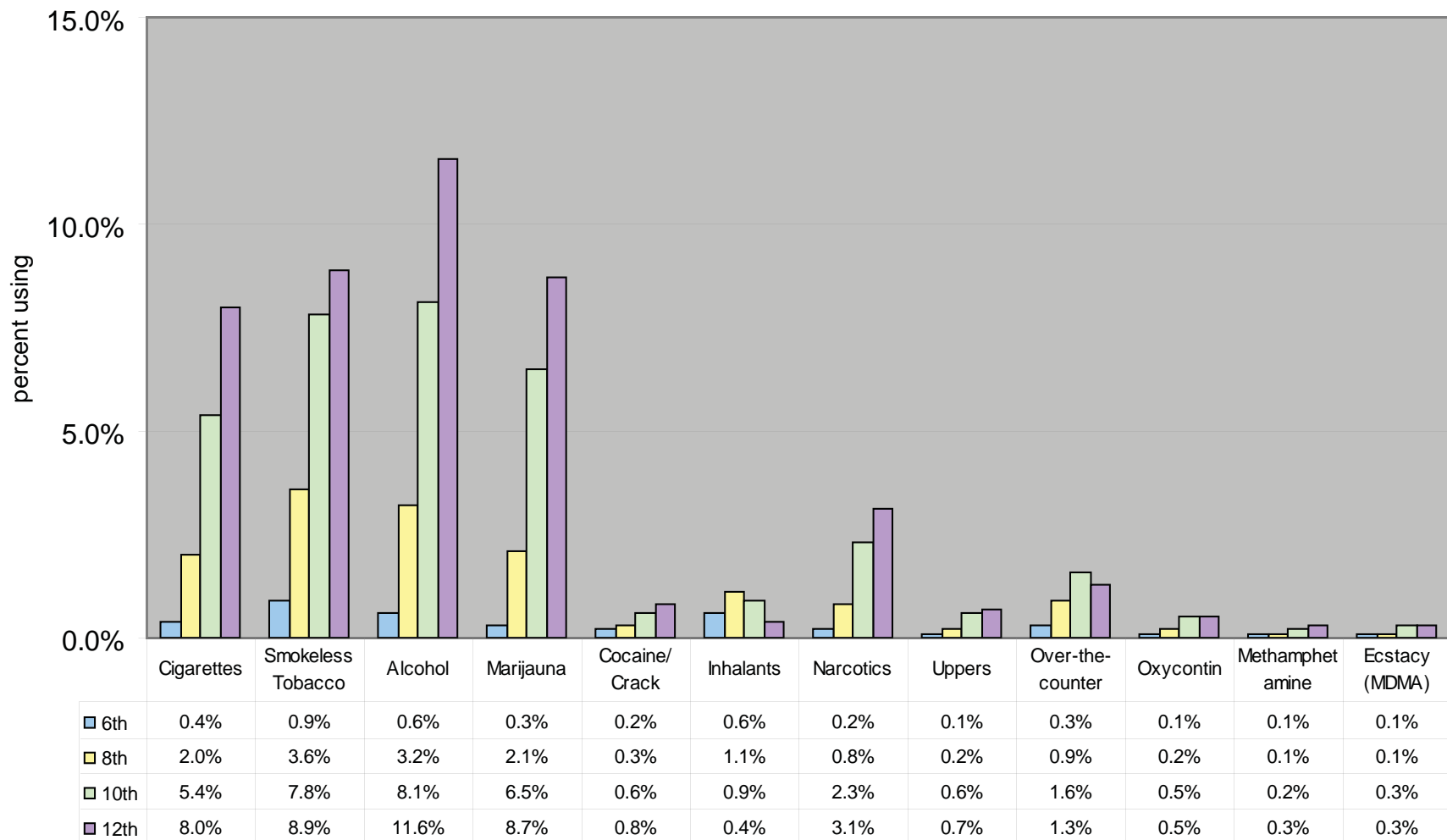
PURCHASE: Hickman
 PENNYRILE: Trigg
 BARREN RIVER: Warren, Hart
 KENTUCKIANA: Jefferson
 NORTHERN KY: Pendleton

BLUEGRASS: Anderson, Madison, Harrison
 GATEWAY: Bath
 CUMBERLAND VALLEY: Jackson
 KENTUCKY RIVER: Wolfe
 BIG SANDY: Martin

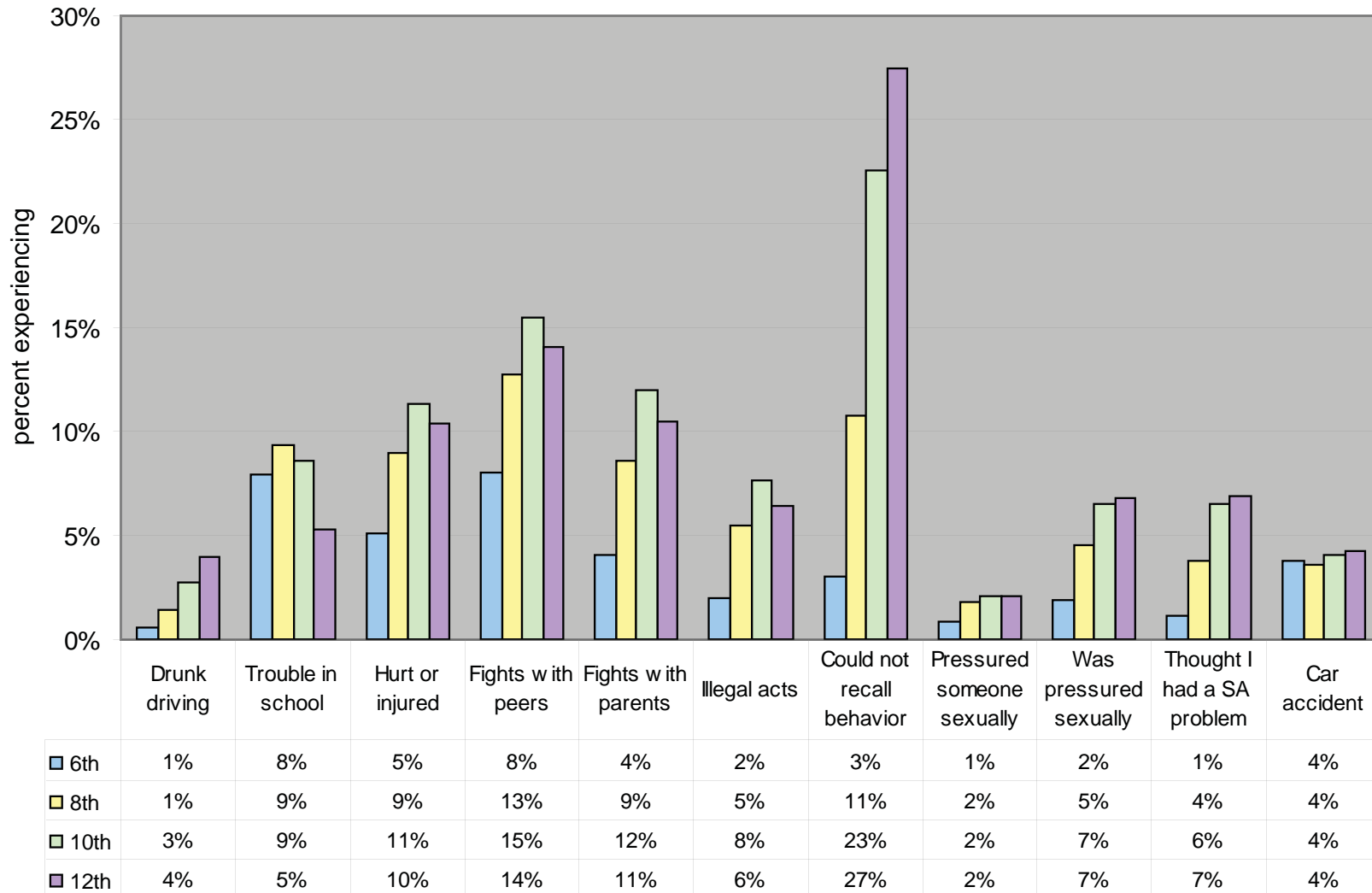
**Data is classified using quartiles. The first class contains the lowest 25% of the data values, the second class contains the next lowest 25%, and the fourth and last class contains the highest 25% of data values. Quartiles are effective for comparing maps since they allow comparisons based on the rank ordering of the four classes.

High-risk, heavy use/ abuse of various substances

For the purposes of this analysis, heavy use/abuse is defined as 1+ pack of cigarettes, using smokeless daily, and 6 or more uses of the remaining substances within a 30-day period.

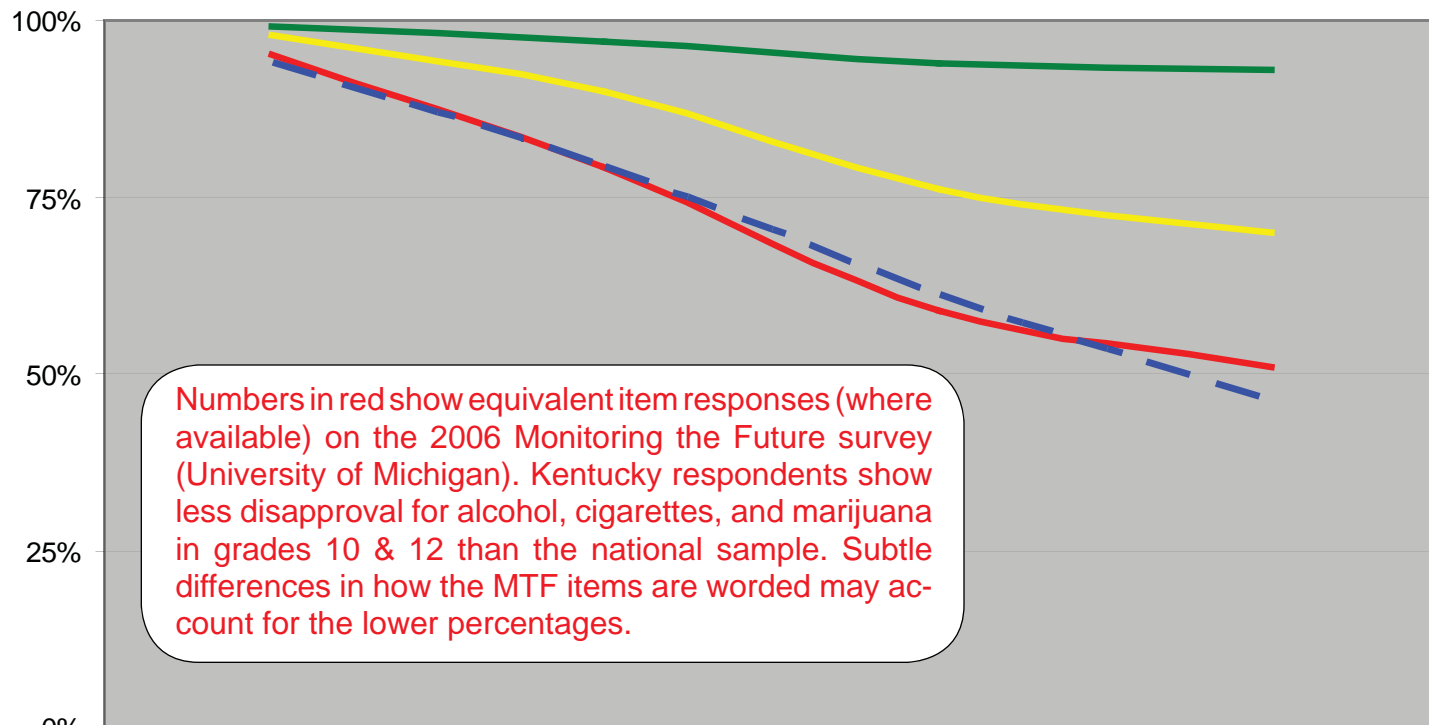


Consequences of Substance Abuse



Personal Disapproval

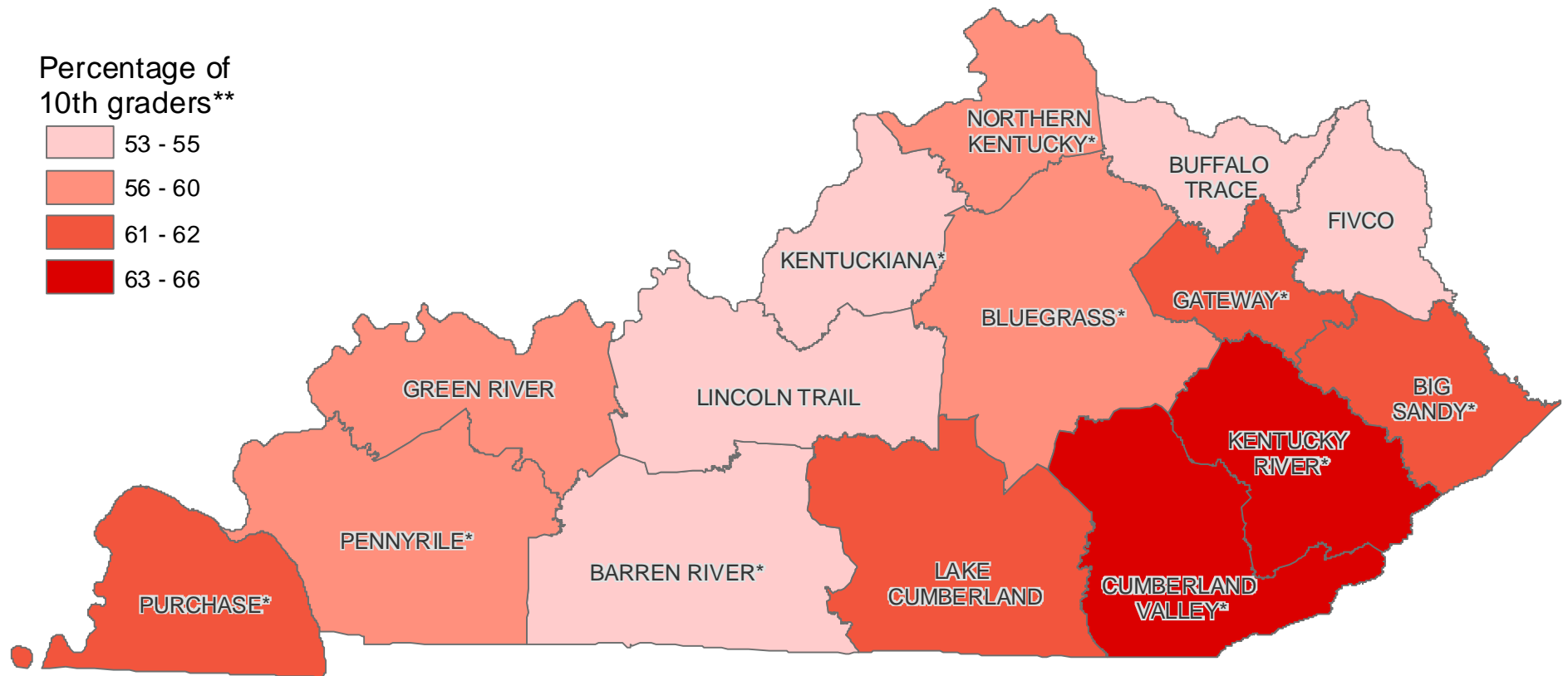
How wrong do you think it is for someone your age to use...?
(percent answering 'wrong' or 'very wrong')



	6th	8th	10th	12th
— Alcohol	95%	79% (79%)	59% (79%)	51% (73%)
— Cigarettes	94%	79% (86%)	61% (83%)	46% (82%)
— Marijuana	98%	90% (86%)	76% (83%)	70% (82%)
— Other drugs	99%	97%	94%	93%

Grade 10 - Personal Disapproval of Alcohol Use, 2006

(% responding that they view regular use as 'wrong' or 'very wrong')



*NON-PARTICIPATING COUNTIES BY REGION

PURCHASE: Hickman
 PENNYRILE: Trigg
 BARREN RIVER: Warren, Hart
 KENTUCKIANA: Jefferson
 NORTHERN KY: Pendleton

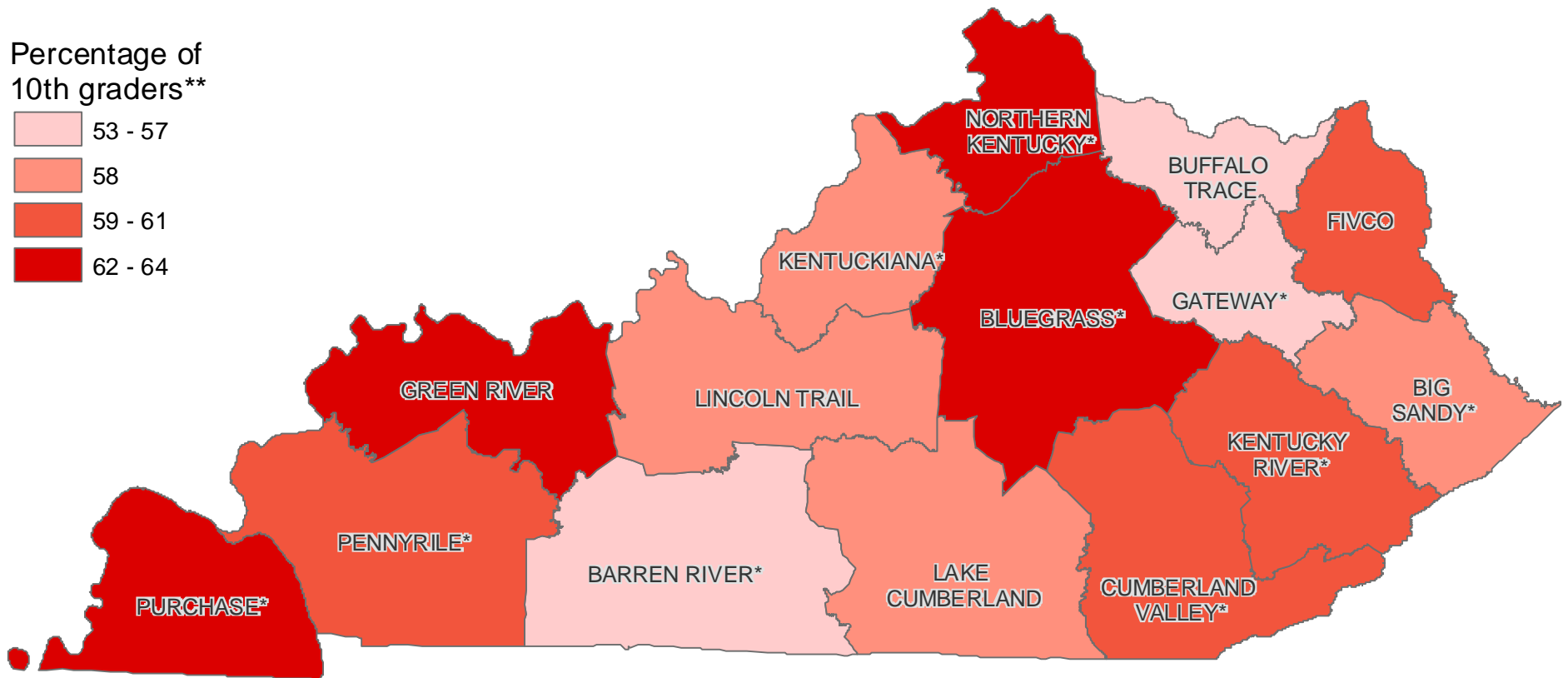
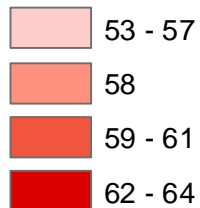
BLUEGRASS: Anderson, Madison, Harrison
 GATEWAY: Bath
 CUMBERLAND VALLEY: Jackson
 KENTUCKY RIVER: Wolfe
 BIG SANDY: Martin

**Data is classified using quartiles. The first class contains the lowest 25% of the data values, the second class contains the next lowest 25%, and the fourth and last class contains the highest 25% of data values. Quartiles are effective for comparing maps since they allow comparisons based on the rank ordering of the four classes.

Grade 10 - Personal Disapproval of Cigarette Use, 2006

(% responding that they view use as 'wrong' or 'very wrong')

Percentage of
10th graders**



*NON-PARTICIPATING COUNTIES BY REGION

PURCHASE: Hickman
 PENNYRILE: Trigg
 BARREN RIVER: Warren, Hart
 KENTUCKIANA: Jefferson
 NORTHERN KY: Pendleton

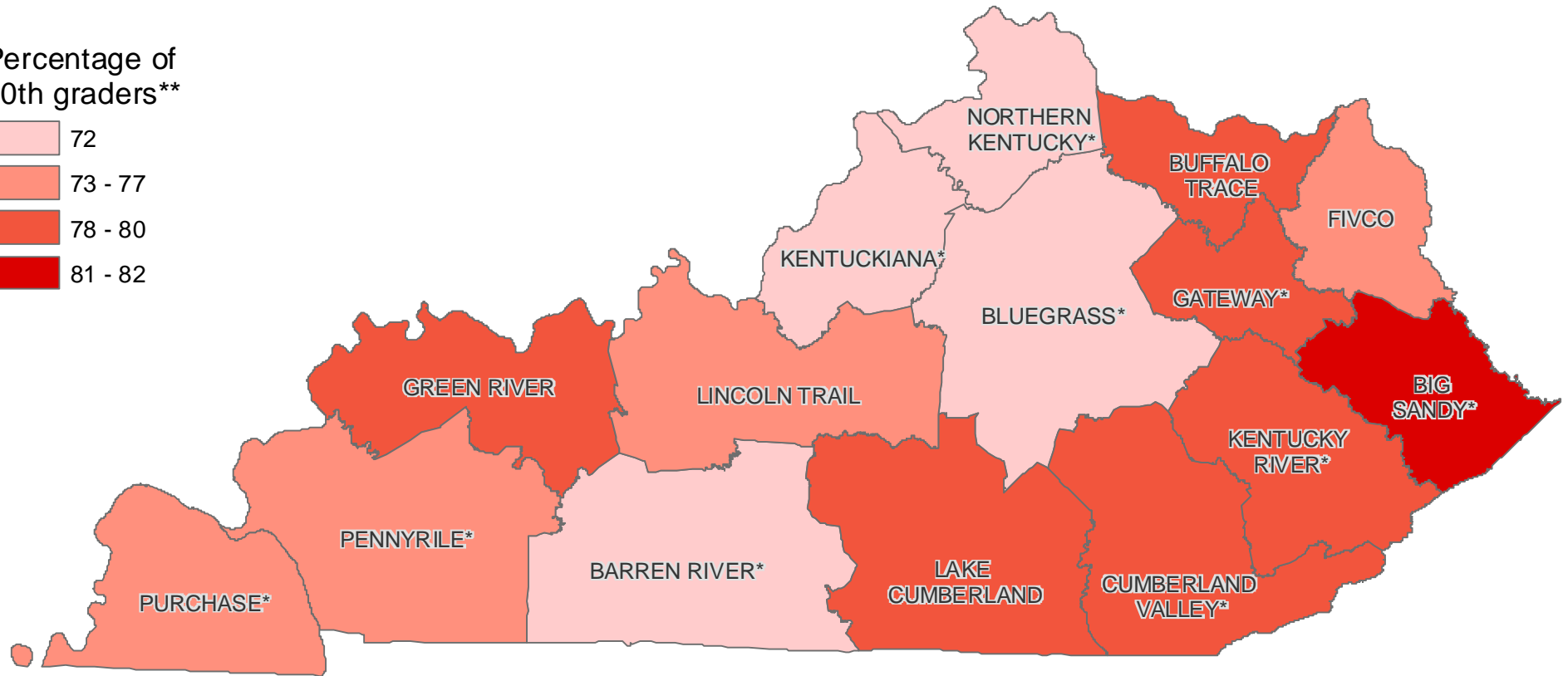
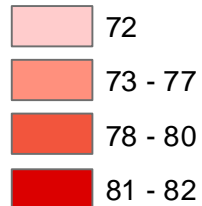
BLUEGRASS: Anderson, Madison, Harrison
 GATEWAY: Bath
 CUMBERLAND VALLEY: Jackson
 KENTUCKY RIVER: Wolfe
 BIG SANDY: Martin

**Data is classified using quartiles. The first class contains the lowest 25% of the data values, the second class contains the next lowest 25%, and the fourth and last class contains the highest 25% of data values. Quartiles are effective for comparing maps since they allow comparisons based on the rank ordering of the four classes.

Grade 10 - Personal Disapproval of Marijuana Use, 2006

(% responding that they view use as 'wrong' or 'very wrong')

Percentage of 10th graders**



*NON-PARTICIPATING COUNTIES BY REGION

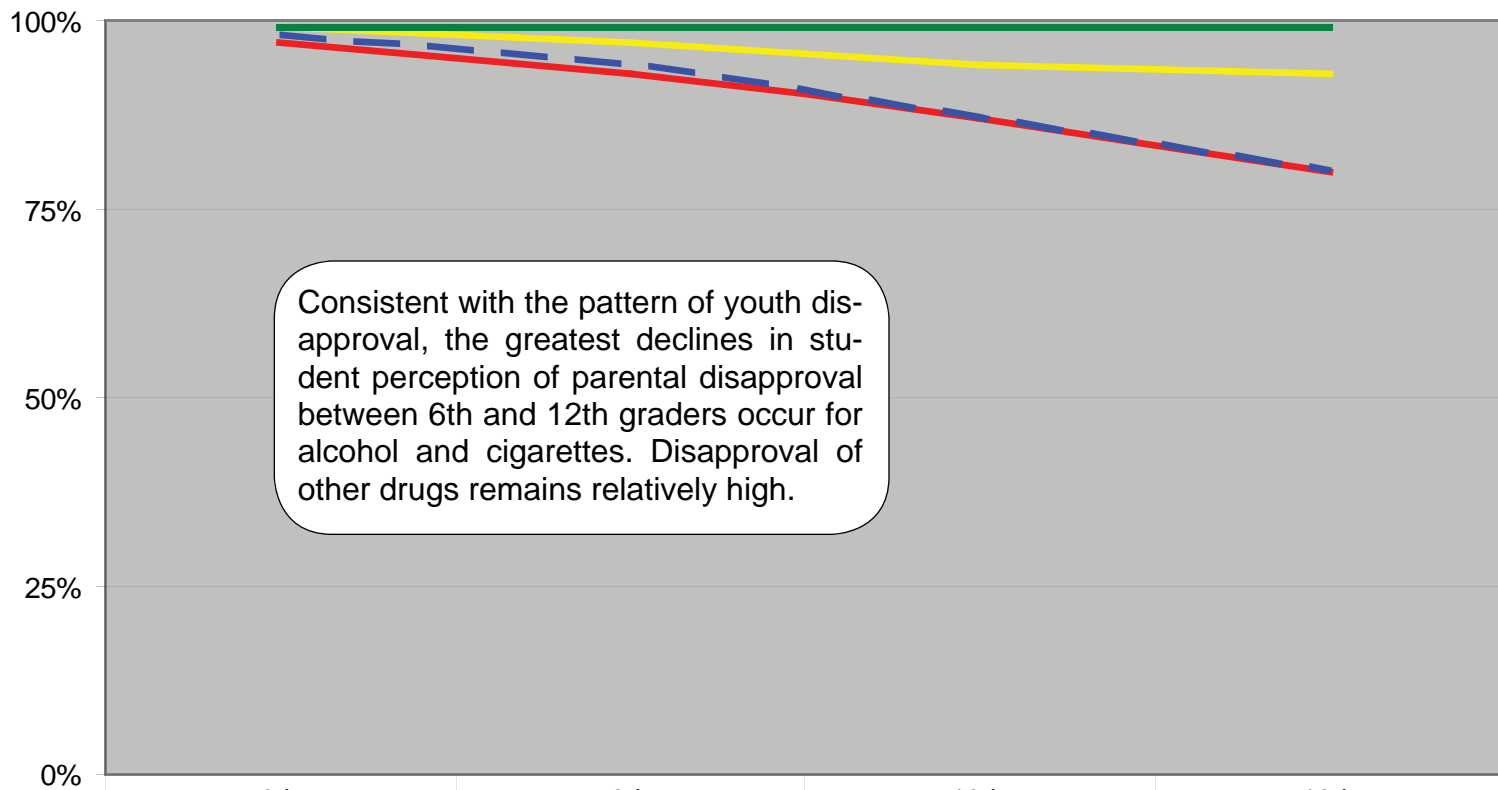
PURCHASE: Hickman
 PENNYRILE: Trigg
 BARREN RIVER: Warren, Hart
 KENTUCKIANA: Jefferson
 NORTHERN KY: Pendleton

BLUEGRASS: Anderson, Madison, Harrison
 GATEWAY: Bath
 CUMBERLAND VALLEY: Jackson
 KENTUCKY RIVER: Wolfe
 BIG SANDY: Martin

**Data is classified using quartiles. The first class contains the lowest 25% of the data values, the second class contains the next lowest 25%, and the fourth and last class contains the highest 25% of data values. Quartiles are effective for comparing maps since they allow comparisons based on the rank ordering of the four classes.

Parental Disapproval

How wrong do your parents feel it would be for you to use...?
(percent answering 'wrong' or 'very wrong')

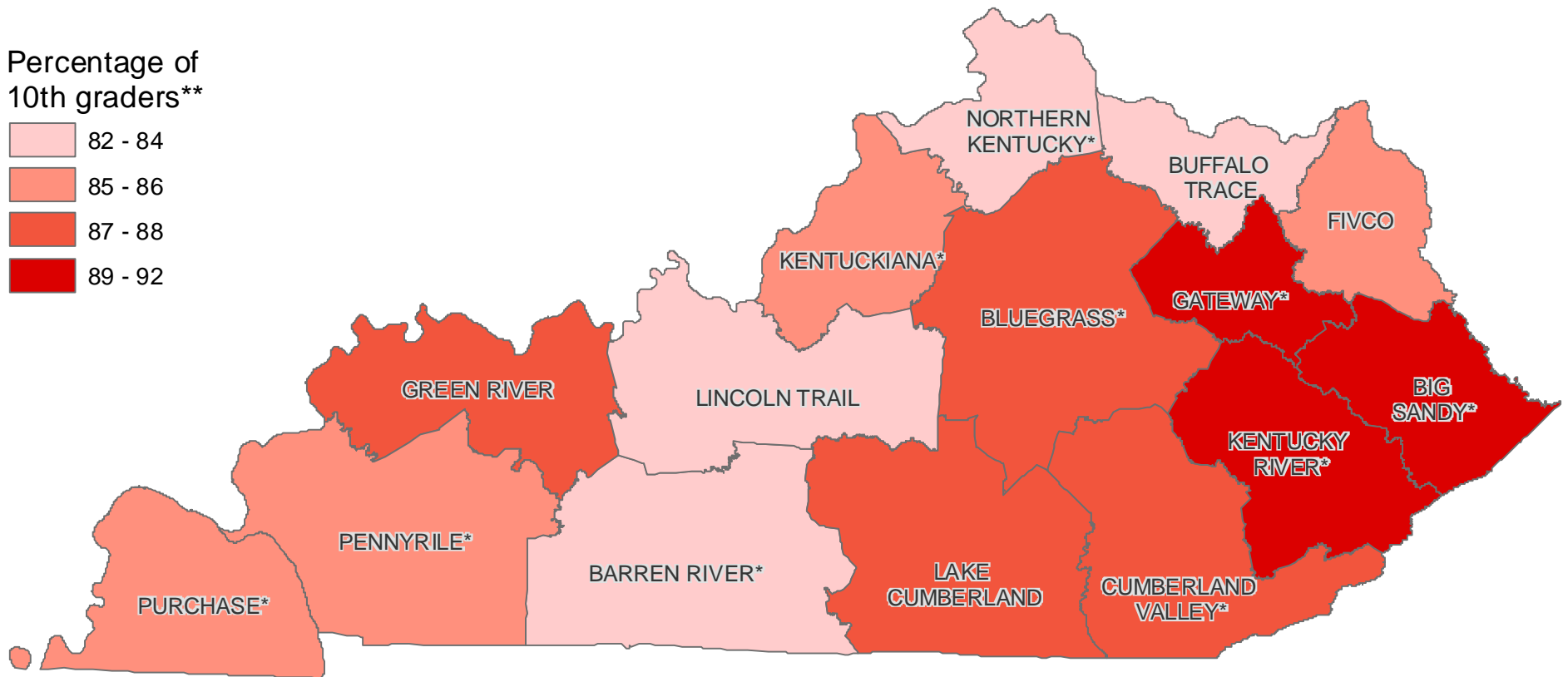
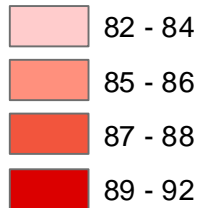


	6th	8th	10th	12th
Alcohol	97%	93%	87%	80%
Cigarettes	98%	94%	87%	80%
Marijuana	99%	97%	94%	93%
Other drugs	99%	99%	99%	99%

Grade 10 - Parental Disapproval of Alcohol Use, 2006

(% responding that parents view regular use as 'wrong' or 'very wrong')

Percentage of
10th graders**



*NON-PARTICIPATING COUNTIES BY REGION

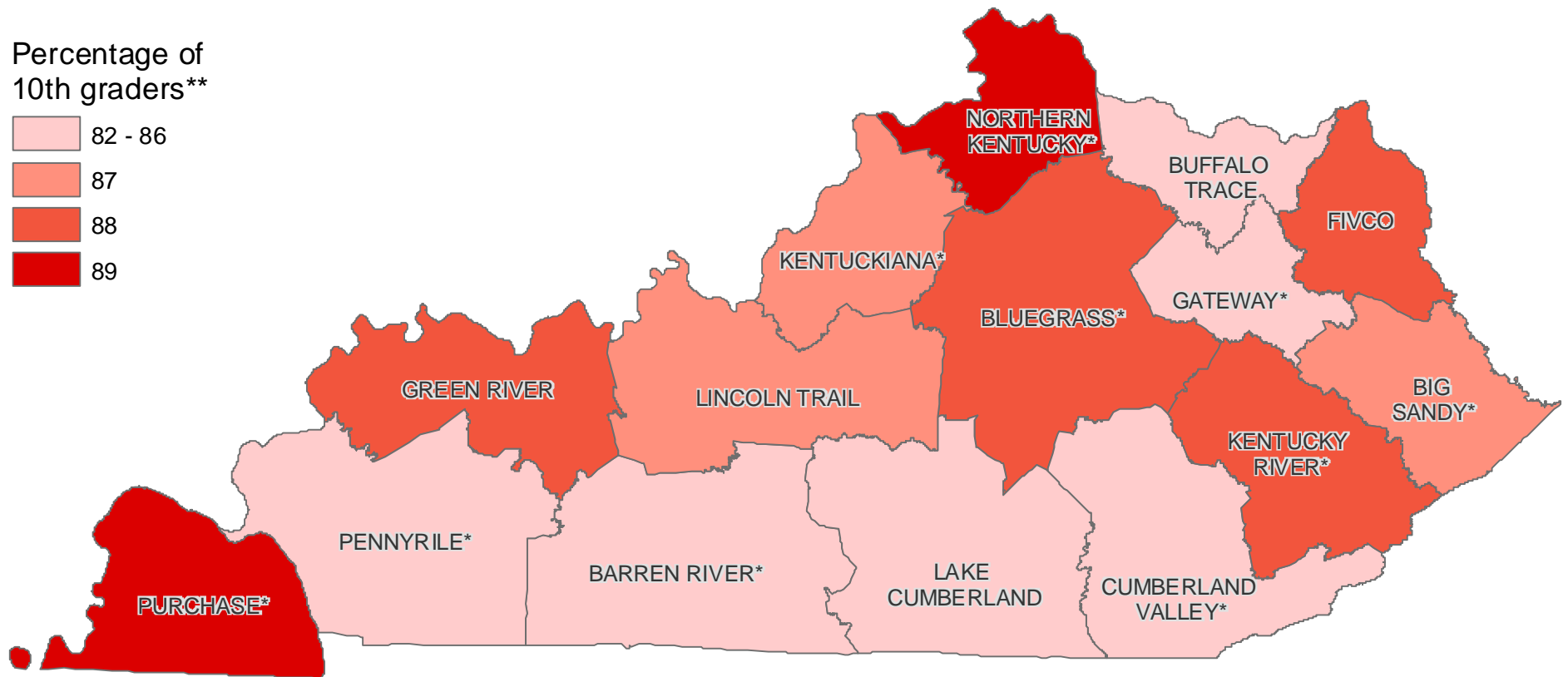
PURCHASE: Hickman
 PENNYRILE: Trigg
 BARREN RIVER: Warren, Hart
 KENTUCKIANA: Jefferson
 NORTHERN KY: Pendleton

BLUEGRASS: Anderson, Madison, Harrison
 GATEWAY: Bath
 CUMBERLAND VALLEY: Jackson
 KENTUCKY RIVER: Wolfe
 BIG SANDY: Martin

**Data is classified using quartiles. The first class contains the lowest 25% of the data values, the second class contains the next lowest 25%, and the fourth and last class contains the highest 25% of data values. Quartiles are effective for comparing maps since they allow comparisons based on the rank ordering of the four classes.

Grade 10 - Parental Disapproval of Cigarette Use, 2006

(% responding that parents view use as 'wrong' or 'very wrong')



*NON-PARTICIPATING COUNTIES BY REGION

PURCHASE: Hickman
 PENNYRILE: Trigg
 BARREN RIVER: Warren, Hart
 KENTUCKIANA: Jefferson
 NORTHERN KY: Pendleton

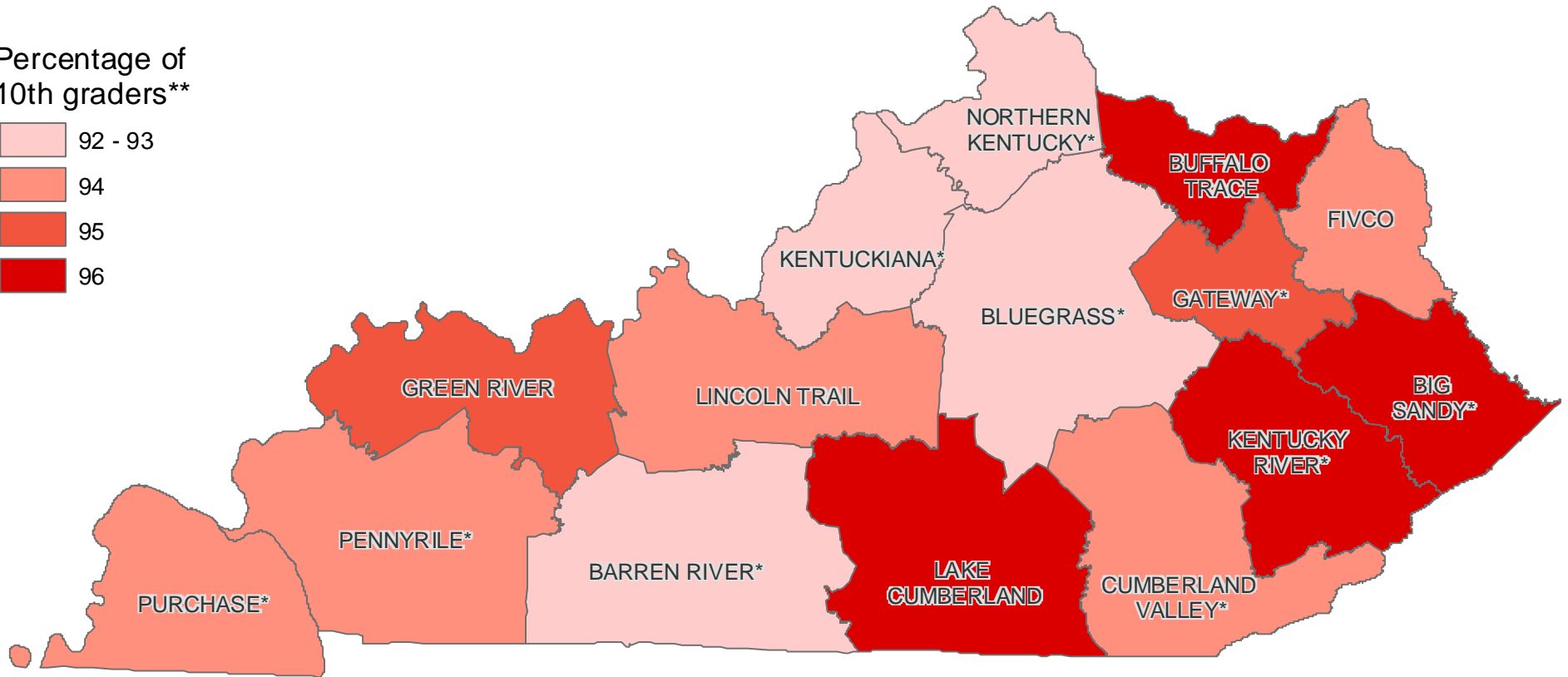
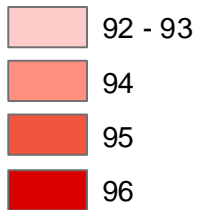
BLUEGRASS: Anderson, Madison, Harrison
 GATEWAY: Bath
 CUMBERLAND VALLEY: Jackson
 KENTUCKY RIVER: Wolfe
 BIG SANDY: Martin

**Data is classified using quartiles. The first class contains the lowest 25% of the data values, the second class contains the next lowest 25%, and the fourth and last class contains the highest 25% of data values. Quartiles are effective for comparing maps since they allow comparisons based on the rank ordering of the four classes.

Grade 10 - Parental Disapproval of Marijuana Use, 2006

(% responding that parents view use as 'wrong' or 'very wrong')

Percentage of 10th graders**



*NON-PARTICIPATING COUNTIES BY REGION

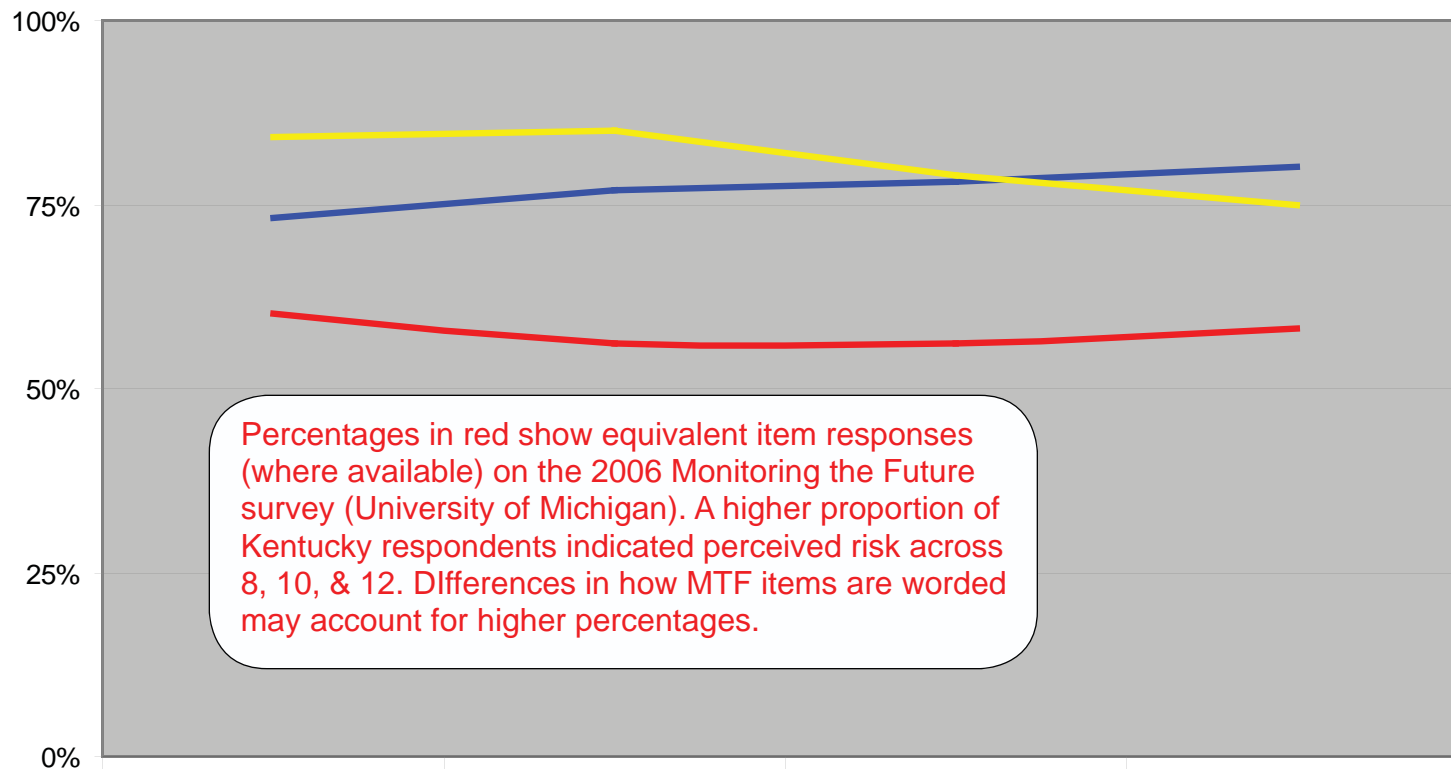
PURCHASE: Hickman
 PENNYRILE: Trigg
 BARREN RIVER: Warren, Hart
 KENTUCKIANA: Jefferson
 NORTHERN KY: Pendleton

BLUEGRASS: Anderson, Madison, Harrison
 GATEWAY: Bath
 CUMBERLAND VALLEY: Jackson
 KENTUCKY RIVER: Wolfe
 BIG SANDY: Martin

**Data is classified using quartiles. The first class contains the lowest 25% of the data values, the second class contains the next lowest 25%, and the fourth and last class contains the highest 25% of data values. Quartiles are effective for comparing maps since they allow comparisons based on the rank ordering of the four classes.

Risk Perception

How much do you think people risk harming themselves (physically or other) if they use...?
 (percent answering 'moderate risk' or 'great risk')



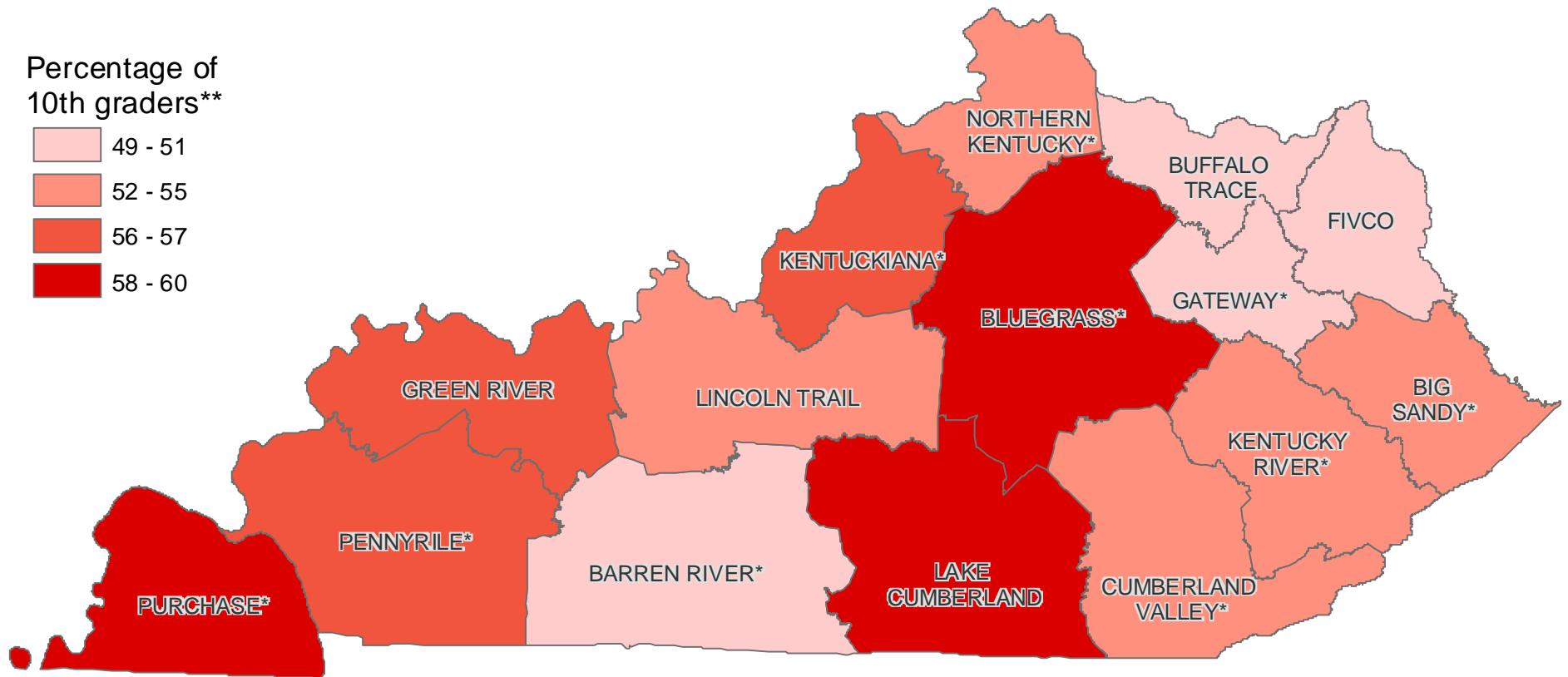
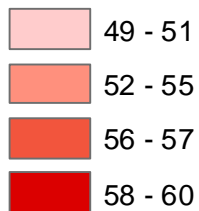
Percentages in red show equivalent item responses (where available) on the 2006 Monitoring the Future survey (University of Michigan). A higher proportion of Kentucky respondents indicated perceived risk across 8, 10, & 12. Differences in how MTF items are worded may account for higher percentages.

	6th	8th	10th	12th
Alcohol	60%	56% (31%)	56% (32%)	58% (25%)
Cigarettes	73%	77% (59%)	78% (68%)	80% (78%)
Marijuana	84%	85% (73%)	79% (65%)	75% (56%)

Grade 10 - Risk Perception of Alcohol Use 2006

(% responding that 1-2 drinks per day risks self-harm)

Percentage of 10th graders**



*NON-PARTICIPATING COUNTIES BY REGION

PURCHASE: Hickman
 PENNYRILE: Trigg
 BARREN RIVER: Warren, Hart
 KENTUCKIANA: Jefferson
 NORTHERN KY: Pendleton

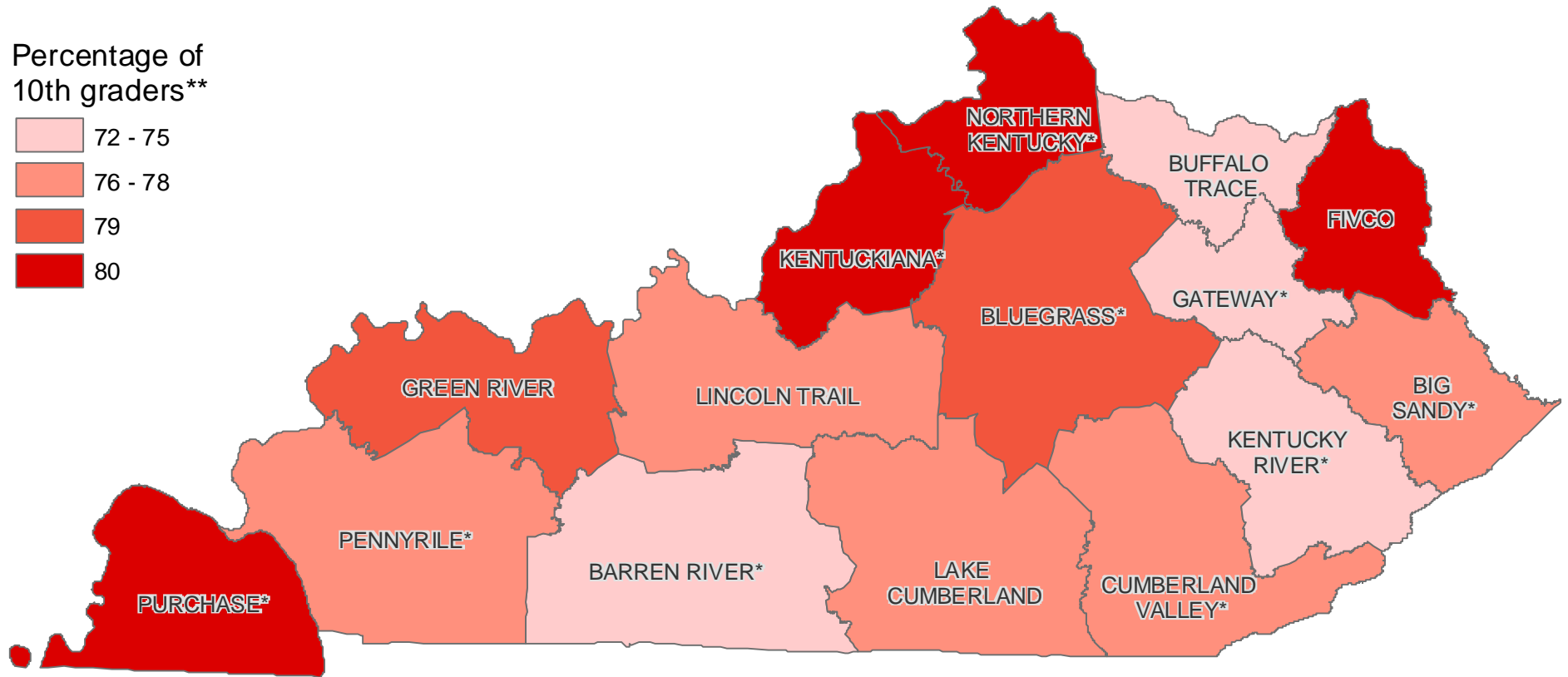
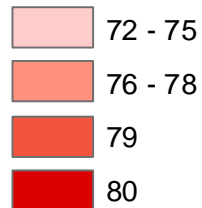
BLUEGRASS: Anderson, Madison, Harrison
 GATEWAY: Bath
 CUMBERLAND VALLEY: Jackson
 KENTUCKY RIVER: Wolfe
 BIG SANDY: Martin

**Data is classified using quartiles. The first class contains the lowest 25% of the data values, the second class contains the next lowest 25%, and the fourth and last class contains the highest 25% of data values. Quartiles are effective for comparing maps since they allow comparisons based on the rank ordering of the four classes.

Grade 10 - Risk Perception of Cigarette Use, 2006

(% responding that 1-2 packs smoked per day risks self-harm)

Percentage of
10th graders**



*NON-PARTICIPATING COUNTIES BY REGION

PURCHASE: Hickman
 PENNYRILE: Trigg
 BARREN RIVER: Warren, Hart
 KENTUCKIANA: Jefferson
 NORTHERN KY: Pendleton

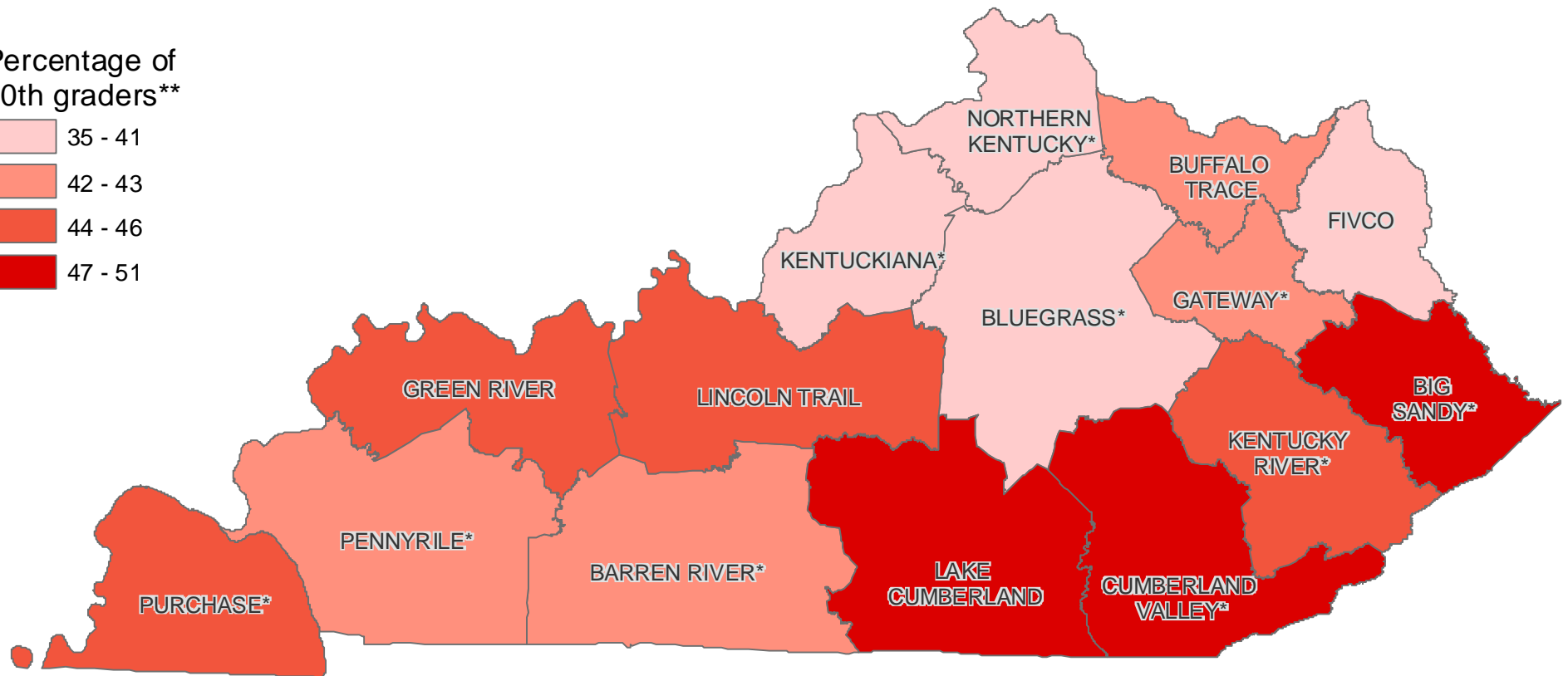
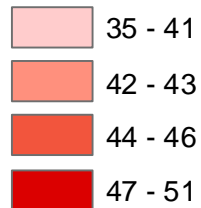
BLUEGRASS: Anderson, Madison, Harrison
 GATEWAY: Bath
 CUMBERLAND VALLEY: Jackson
 KENTUCKY RIVER: Wolfe
 BIG SANDY: Martin

**Data is classified using quartiles. The first class contains the lowest 25% of the data values, the second class contains the next lowest 25%, and the fourth and last class contains the highest 25% of data values. Quartiles are effective for comparing maps since they allow comparisons based on the rank ordering of the four classes.

Grade 10 - Risk Perception of Experimental Marijuana Use, 2006

(% responding that using marijuana 1-2 times risks self-harm)

Percentage of
10th graders**



*NON-PARTICIPATING COUNTIES BY REGION

PURCHASE: Hickman
 PENNYRILE: Trigg
 BARREN RIVER: Warren, Hart
 KENTUCKIANA: Jefferson
 NORTHERN KY: Pendleton

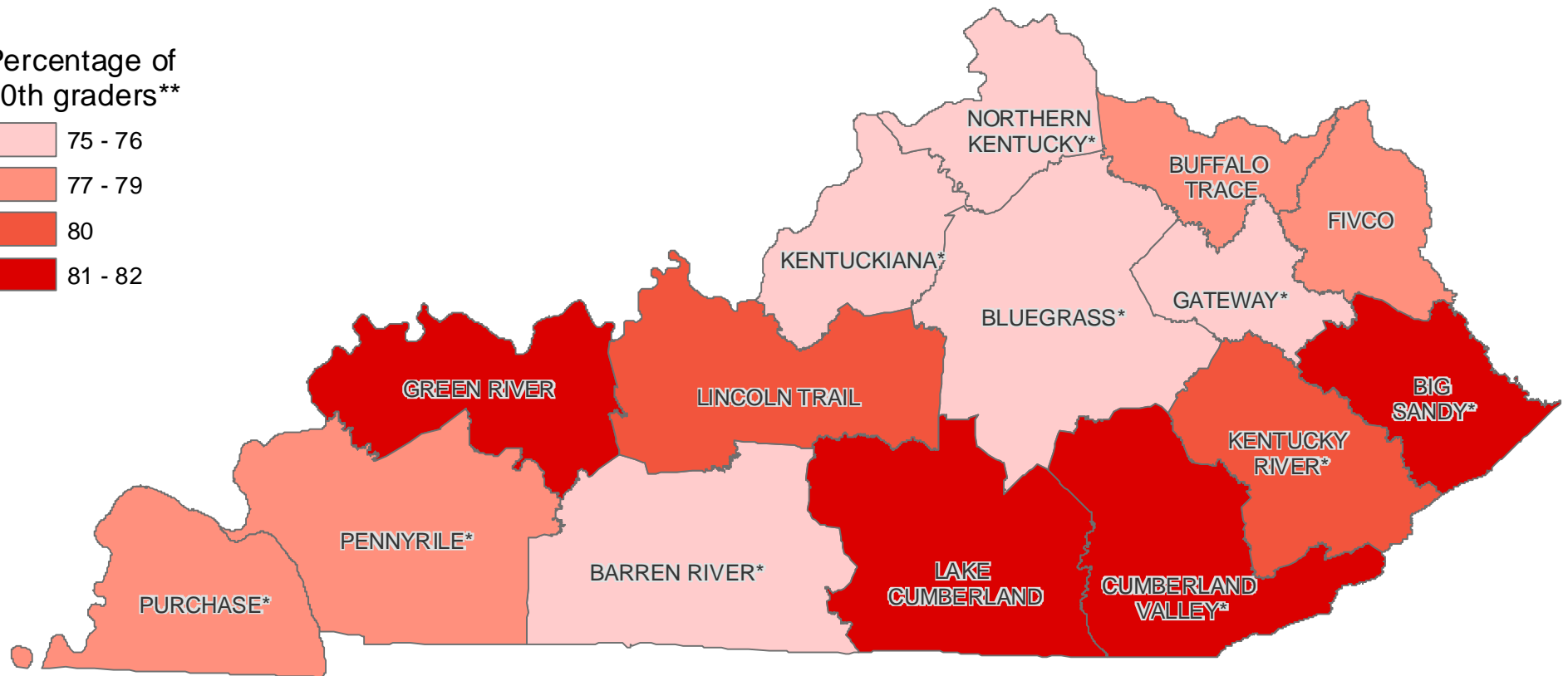
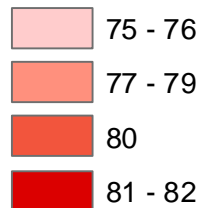
BLUEGRASS: Anderson, Madison, Harrison
 GATEWAY: Bath
 CUMBERLAND VALLEY: Jackson
 KENTUCKY RIVER: Wolfe
 BIG SANDY: Martin

**Data is classified using quartiles. The first class contains the lowest 25% of the data values, the second class contains the next lowest 25%, and the fourth and last class contains the highest 25% of data values. Quartiles are effective for comparing maps since they allow comparisons based on the rank ordering of the four classes.

Grade 10 - Risk Perception of Regular Marijuana Use, 2006

(% responding that smoking marijuana regularly risks self-harm)

Percentage of
10th graders**



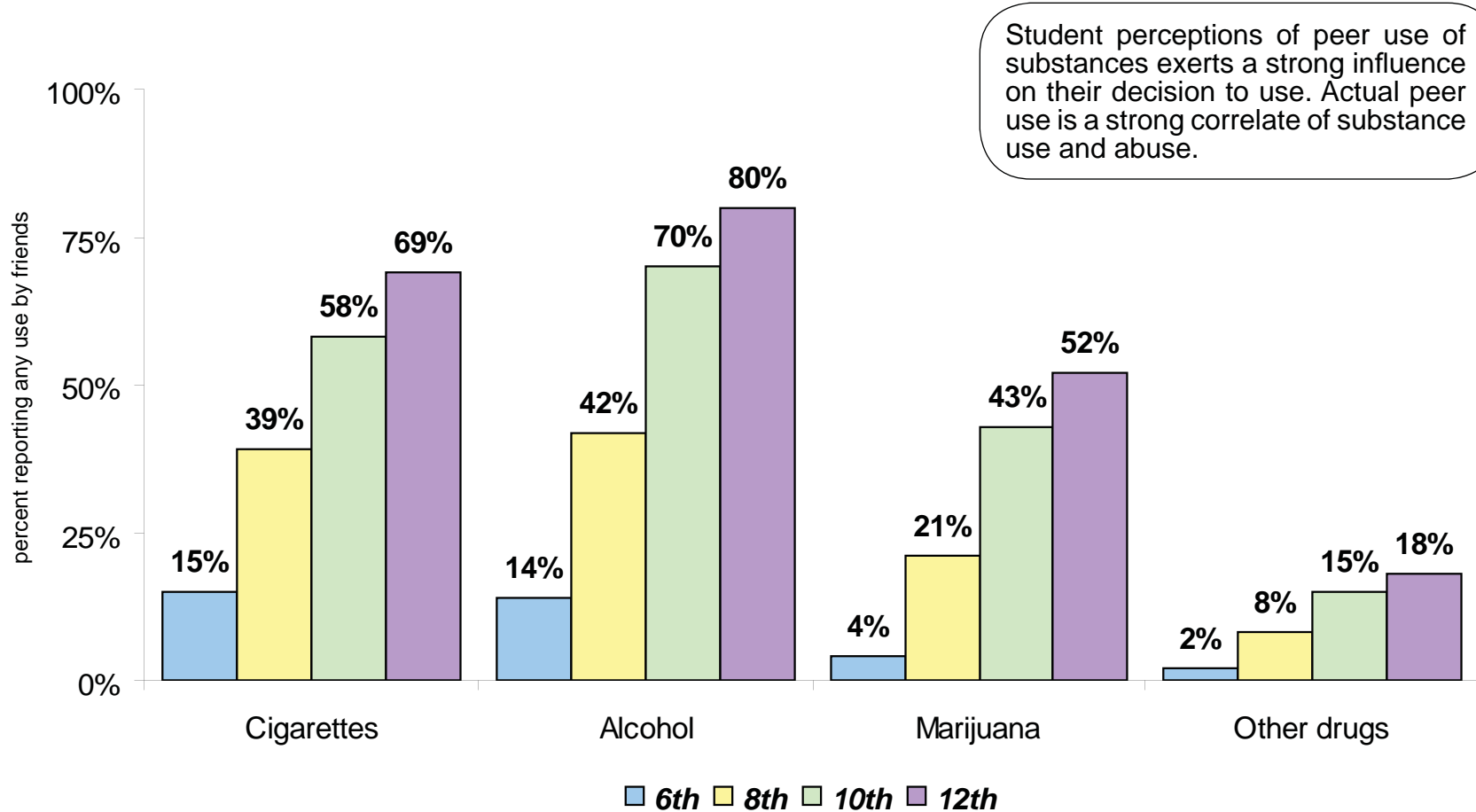
*NON-PARTICIPATING COUNTIES BY REGION

PURCHASE: Hickman
 PENNYRILE: Trigg
 BARREN RIVER: Warren, Hart
 KENTUCKIANA: Jefferson
 NORTHERN KY: Pendleton

BLUEGRASS: Anderson, Madison, Harrison
 GATEWAY: Bath
 CUMBERLAND VALLEY: Jackson
 KENTUCKY RIVER: Wolfe
 BIG SANDY: Martin

**Data is classified using quartiles. The first class contains the lowest 25% of the data values, the second class contains the next lowest 25%, and the fourth and last class contains the highest 25% of data values. Quartiles are effective for comparing maps since they allow comparisons based on the rank ordering of the four classes.

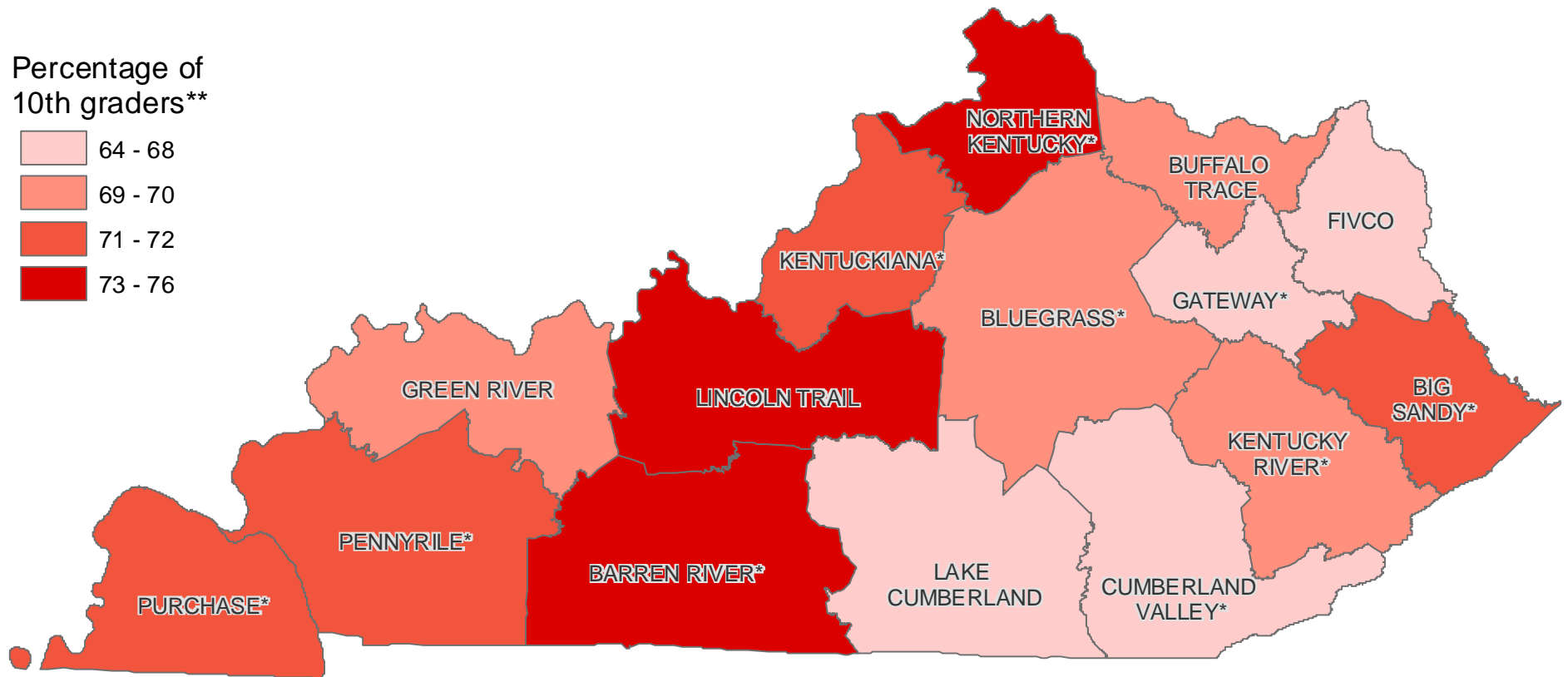
Perceived Peer Use of Substances



Student perceptions of peer use of substances exerts a strong influence on their decision to use. Actual peer use is a strong correlate of substance use and abuse.

Grade 10 - Perceived Peer Use of Alcohol, 2006

(percent responding that one or more of their immediate peer group members uses alcohol)



*NON-PARTICIPATING COUNTIES BY REGION

PURCHASE: Hickman
 PENNYRILE: Trigg
 BARREN RIVER: Warren, Hart
 KENTUCKIANA: Jefferson
 NORTHERN KY: Pendleton

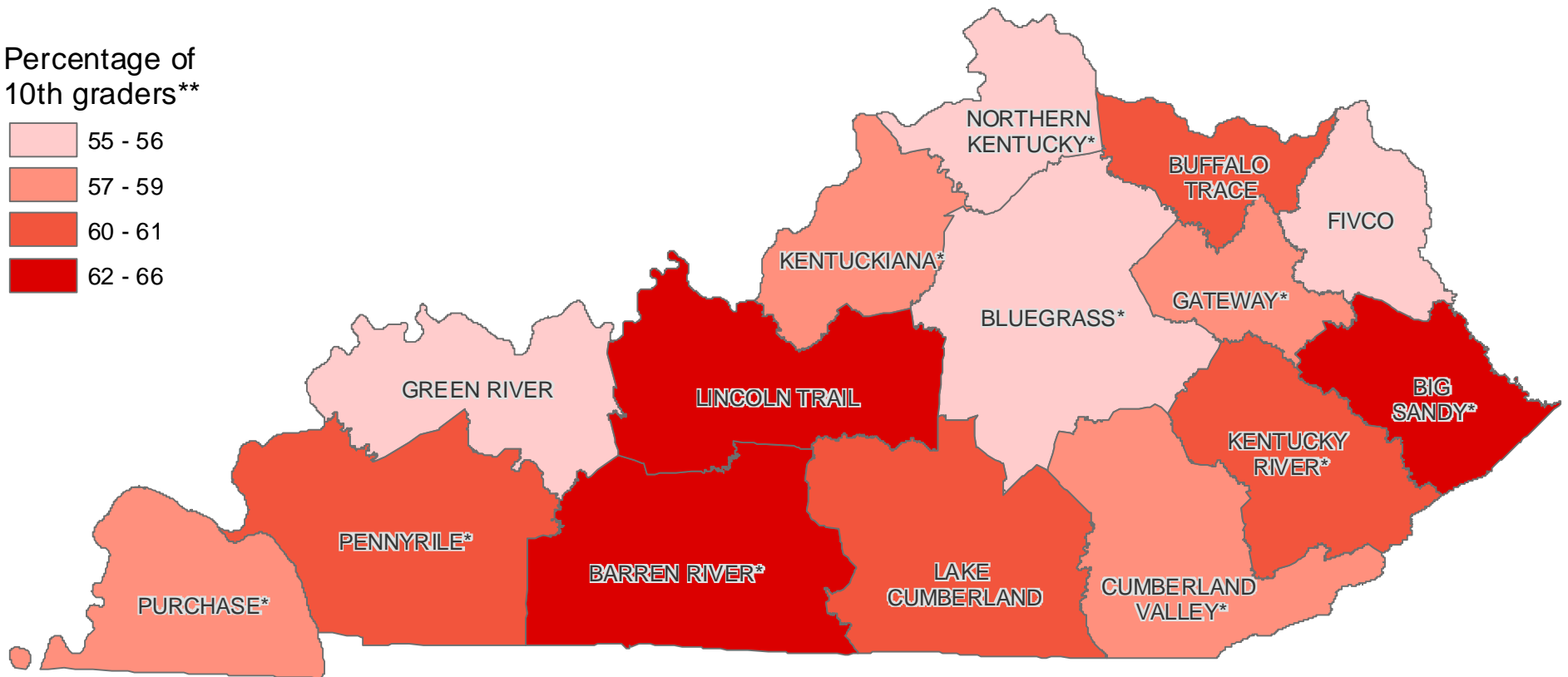
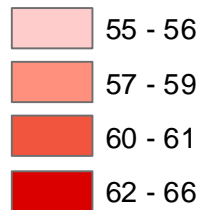
BLUEGRASS: Anderson, Madison, Harrison
 GATEWAY: Bath
 CUMBERLAND VALLEY: Jackson
 KENTUCKY RIVER: Wolfe
 BIG SANDY: Martin

**Data is classified using quartiles. The first class contains the lowest 25% of the data values, the second class contains the next lowest 25%, and the fourth and last class contains the highest 25% of data values. Quartiles are effective for comparing maps since they allow comparisons based on the rank ordering of the four classes.

Grade 10 - Perceived Peer Use of Cigarettes, 2006

(% responding that one or more friends smokes)

Percentage of 10th graders**



*NON-PARTICIPATING COUNTIES BY REGION

PURCHASE: Hickman
 PENNYRILE: Trigg
 BARREN RIVER: Warren, Hart
 KENTUCKIANA: Jefferson
 NORTHERN KY: Pendleton

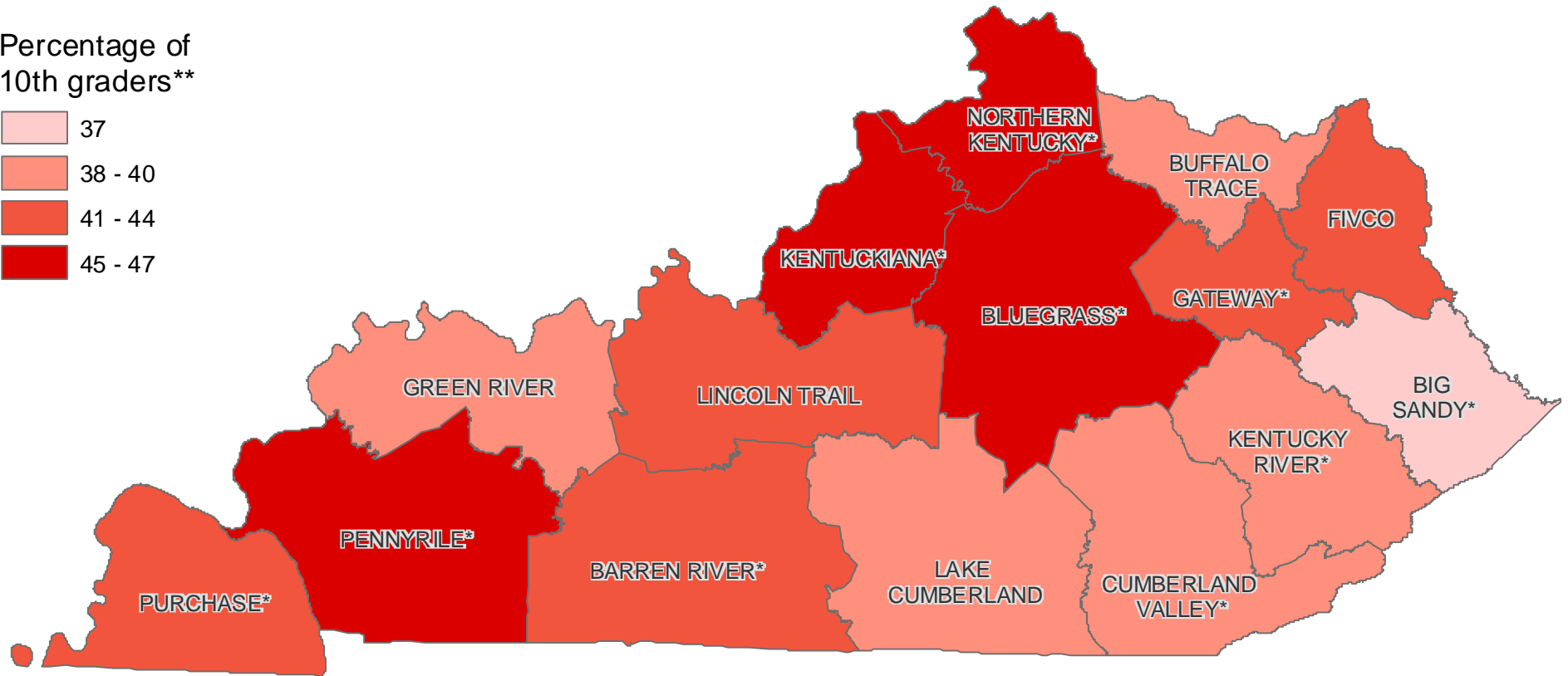
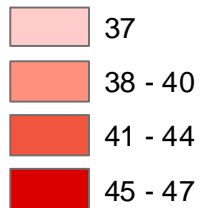
BLUEGRASS: Anderson, Madison, Harrison
 GATEWAY: Bath
 CUMBERLAND VALLEY: Jackson
 KENTUCKY RIVER: Wolfe
 BIG SANDY: Martin

**Data is classified using quartiles. The first class contains the lowest 25% of the data values, the second class contains the next lowest 25%, and the fourth and last class contains the highest 25% of data values. Quartiles are effective for comparing maps since they allow comparisons based on the rank ordering of the four classes.

Grade 10 - Perceived Peer Use of Marijuana, 2006

(% responding that one or more friends smoke marijuana)

Percentage of 10th graders**



*NON-PARTICIPATING COUNTIES BY REGION

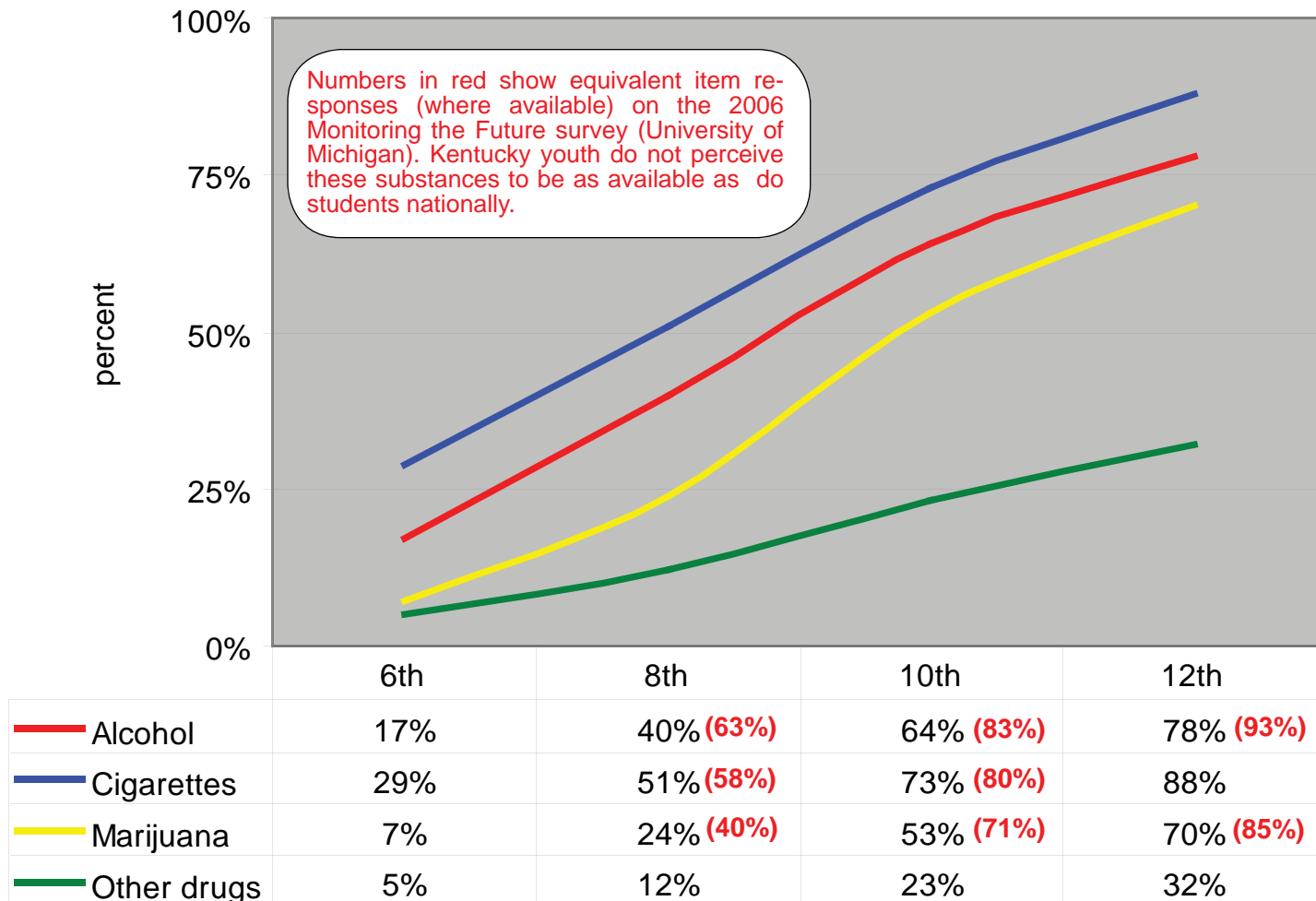
PURCHASE: Hickman
 PENNYRILE: Trigg
 BARREN RIVER: Warren, Hart
 KENTUCKIANA: Jefferson
 NORTHERN KY: Pendleton

BLUEGRASS: Anderson, Madison, Harrison
 GATEWAY: Bath
 CUMBERLAND VALLEY: Jackson
 KENTUCKY RIVER: Wolfe
 BIG SANDY: Martin

**Data is classified using quartiles. The first class contains the lowest 25% of the data values, the second class contains the next lowest 25%, and the fourth and last class contains the highest 25% of data values. Quartiles are effective for comparing maps since they allow comparisons based on the rank ordering of the four classes.

Availability of Substances

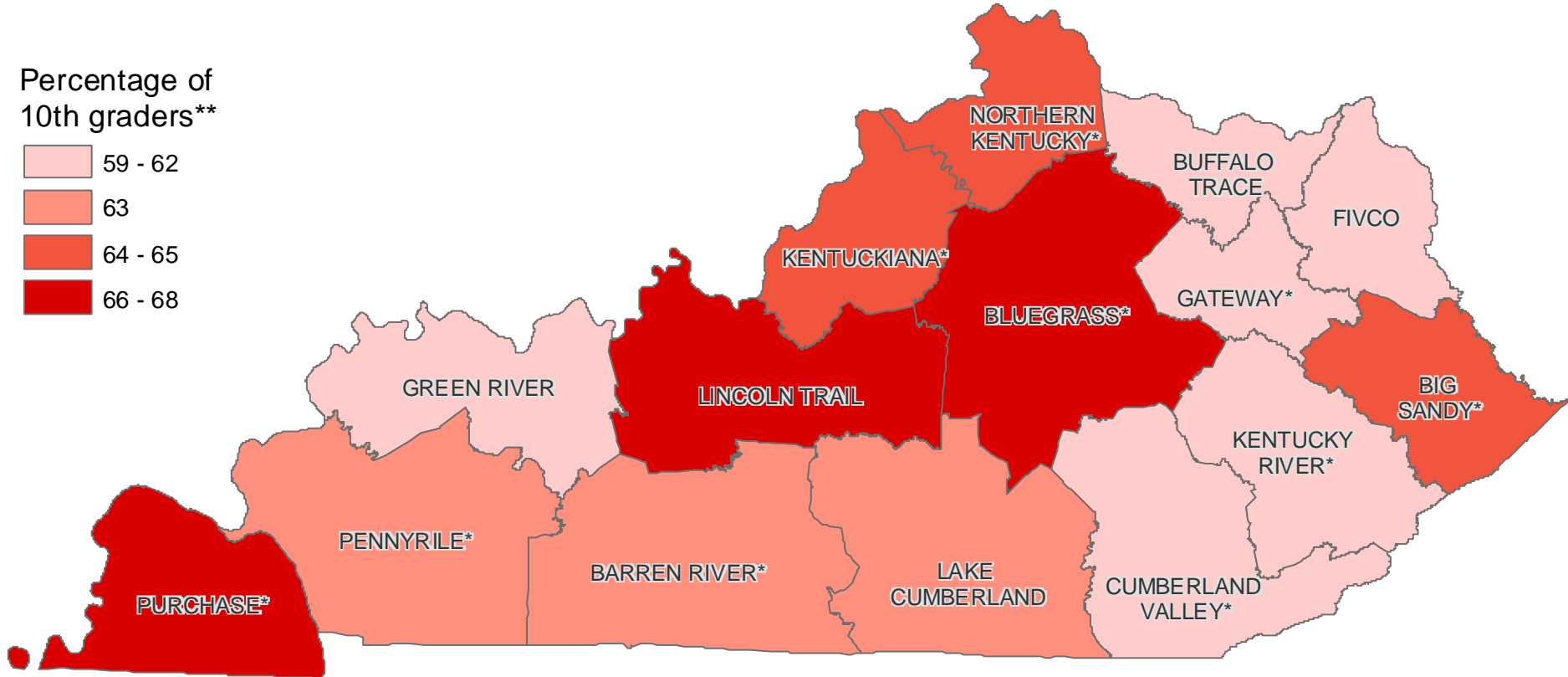
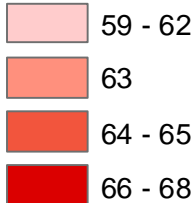
If you wanted to get some _____, how easy would it be?
 (percent answering 'sort of easy' or 'very easy')



Grade 10 - Perceived Availability of Alcohol, 2006

(% responding it is 'easy' or 'very easy' to procure alcohol)

Percentage of 10th graders**



*NON-PARTICIPATING COUNTIES BY REGION

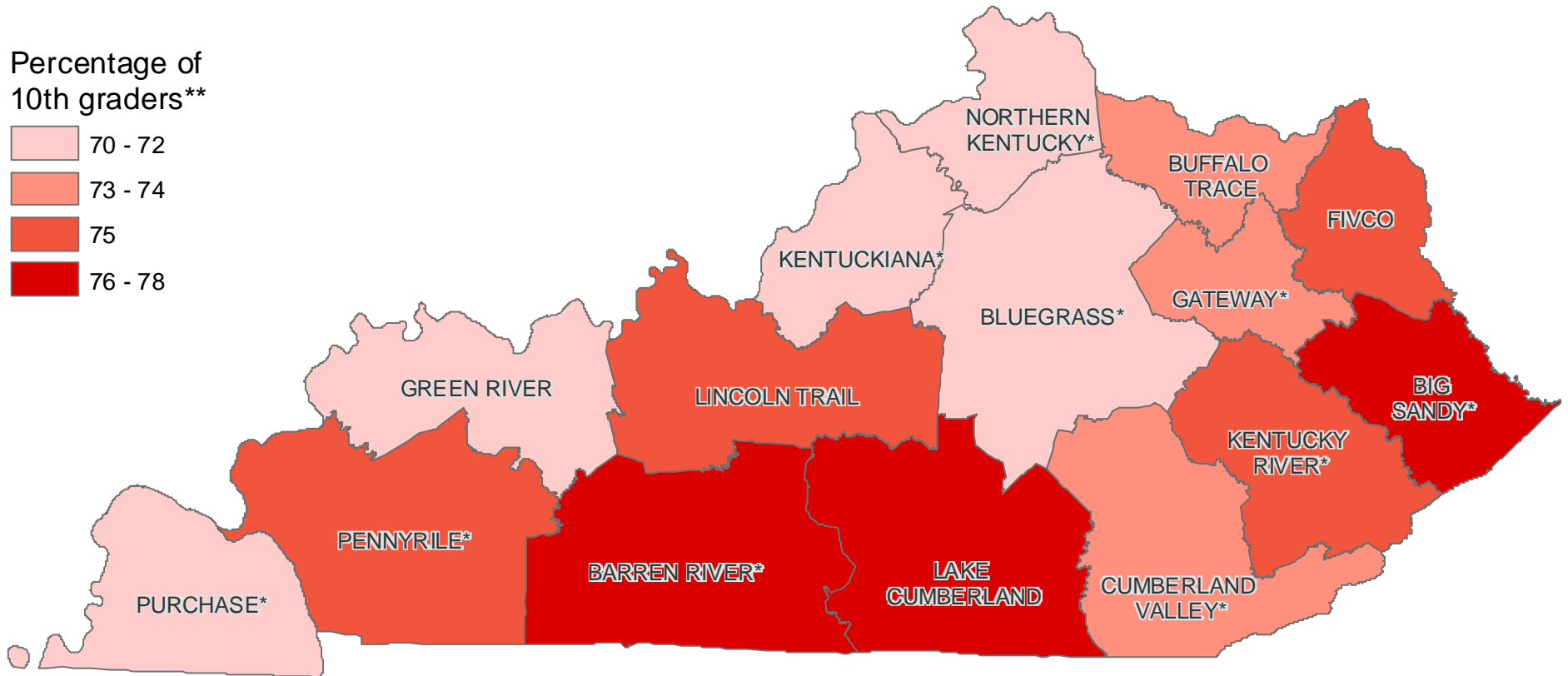
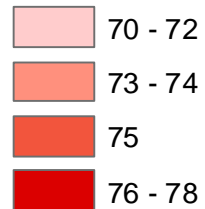
- | | |
|----------------------------|--|
| PURCHASE: Hickman | BLUEGRASS: Anderson, Madison, Harrison |
| PENNYRILE: Trigg | GATEWAY: Bath |
| BARREN RIVER: Warren, Hart | CUMBERLAND VALLEY: Jackson |
| KENTUCKIANA: Jefferson | KENTUCKY RIVER: Wolfe |
| NORTHERN KY: Pendleton | BIG SANDY: Martin |

**Data is classified using quartiles. The first class contains the lowest 25% of the data values, the second class contains the next lowest 25%, and the fourth and last class contains the highest 25% of data values. Quartiles are effective for comparing maps since they allow comparisons based on the rank ordering of the four classes.

Grade 10 - Perceived Availability of Cigarettes, 2006

(% responding that obtaining cigarettes was 'sort of easy' or 'very easy')

Percentage of 10th graders**



*NON-PARTICIPATING COUNTIES BY REGION

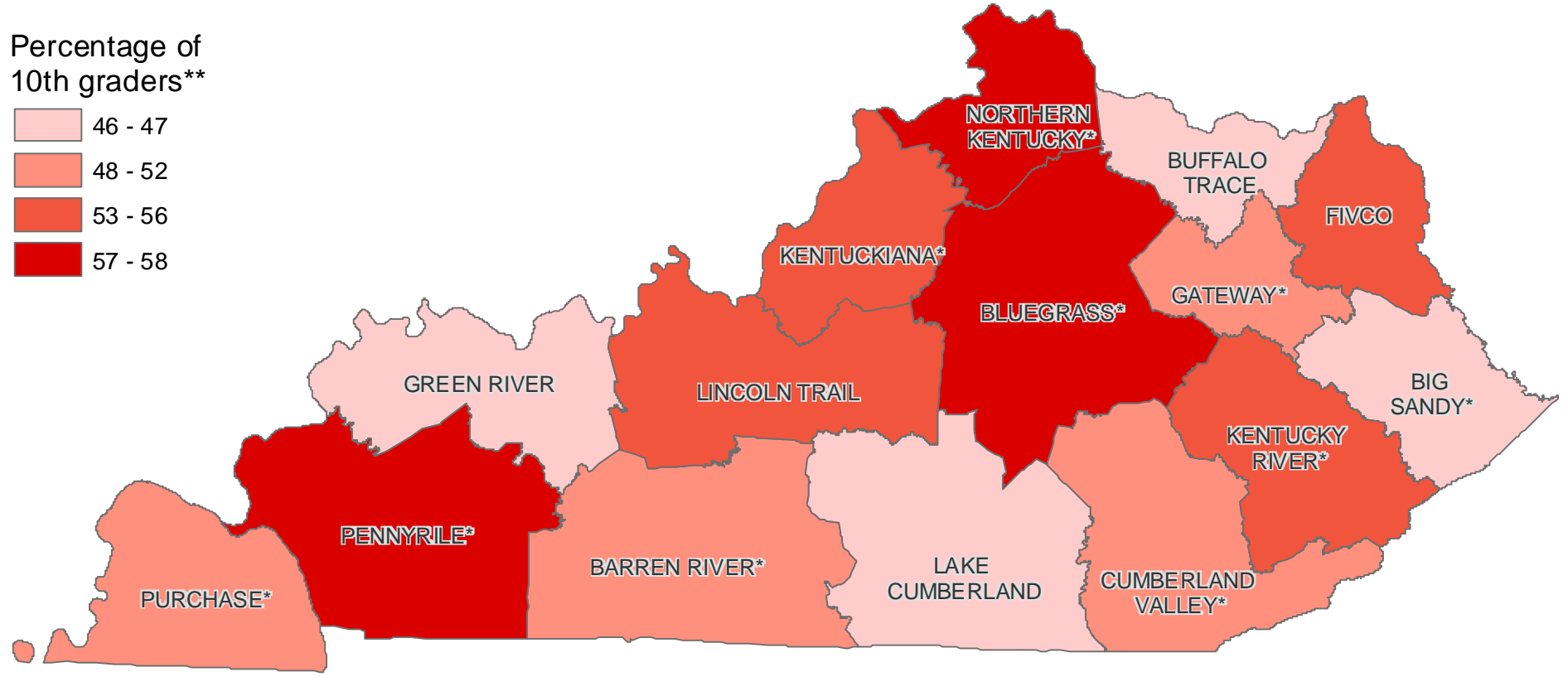
PURCHASE: Hickman
 PENNYRILE: Trigg
 BARREN RIVER: Warren, Hart
 KENTUCKIANA: Jefferson
 NORTHERN KY: Pendleton

BLUEGRASS: Anderson, Madison, Harrison
 GATEWAY: Bath
 CUMBERLAND VALLEY: Jackson
 KENTUCKY RIVER: Wolfe
 BIG SANDY: Martin

**Data is classified using quartiles. The first class contains the lowest 25% of the data values, the second class contains the next lowest 25%, and the fourth and last class contains the highest 25% of data values. Quartiles are effective for comparing maps since they allow comparisons based on the rank ordering of the four classes.

Grade 10 - Perceived Availability of Marijuana, 2006

(% responding that obtaining marijuana was 'sort of easy' or 'very easy')



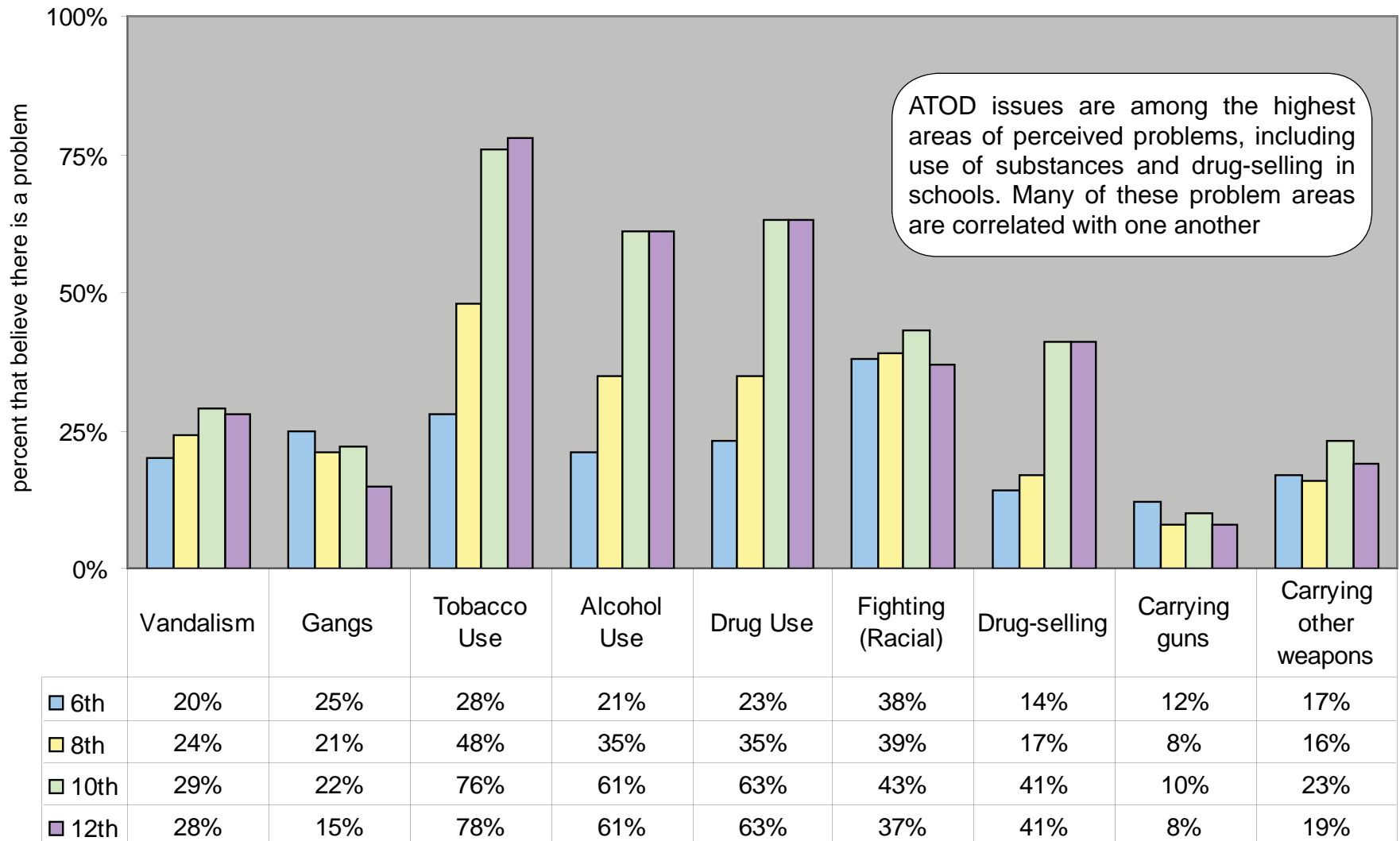
*NON-PARTICIPATING COUNTIES BY REGION

PURCHASE: Hickman
 PENNYRILE: Trigg
 BARREN RIVER: Warren, Hart
 KENTUCKIANA: Jefferson
 NORTHERN KY: Pendleton

BLUEGRASS: Anderson, Madison, Harrison
 GATEWAY: Bath
 CUMBERLAND VALLEY: Jackson
 KENTUCKY RIVER: Wolfe
 BIG SANDY: Martin

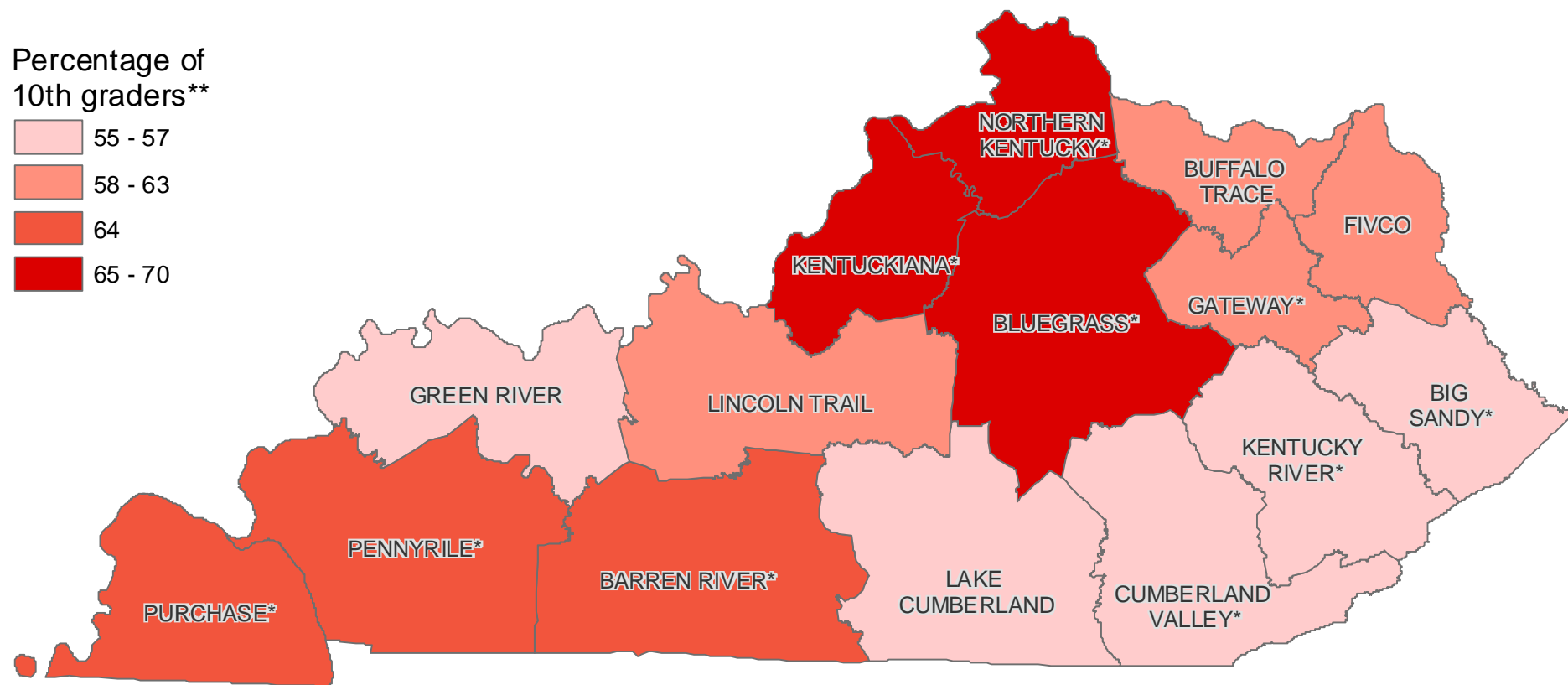
**Data is classified using quartiles. The first class contains the lowest 25% of the data values, the second class contains the next lowest 25%, and the fourth and last class contains the highest 25% of data values. Quartiles are effective for comparing maps since they allow comparisons based on the rank ordering of the four classes.

Student Perceptions About Problems in School



Grade 10 - Perceived School Problems Associated with Drugs, 2006

(% responding that drug use is a problem in their school)



*NON-PARTICIPATING COUNTIES BY REGION

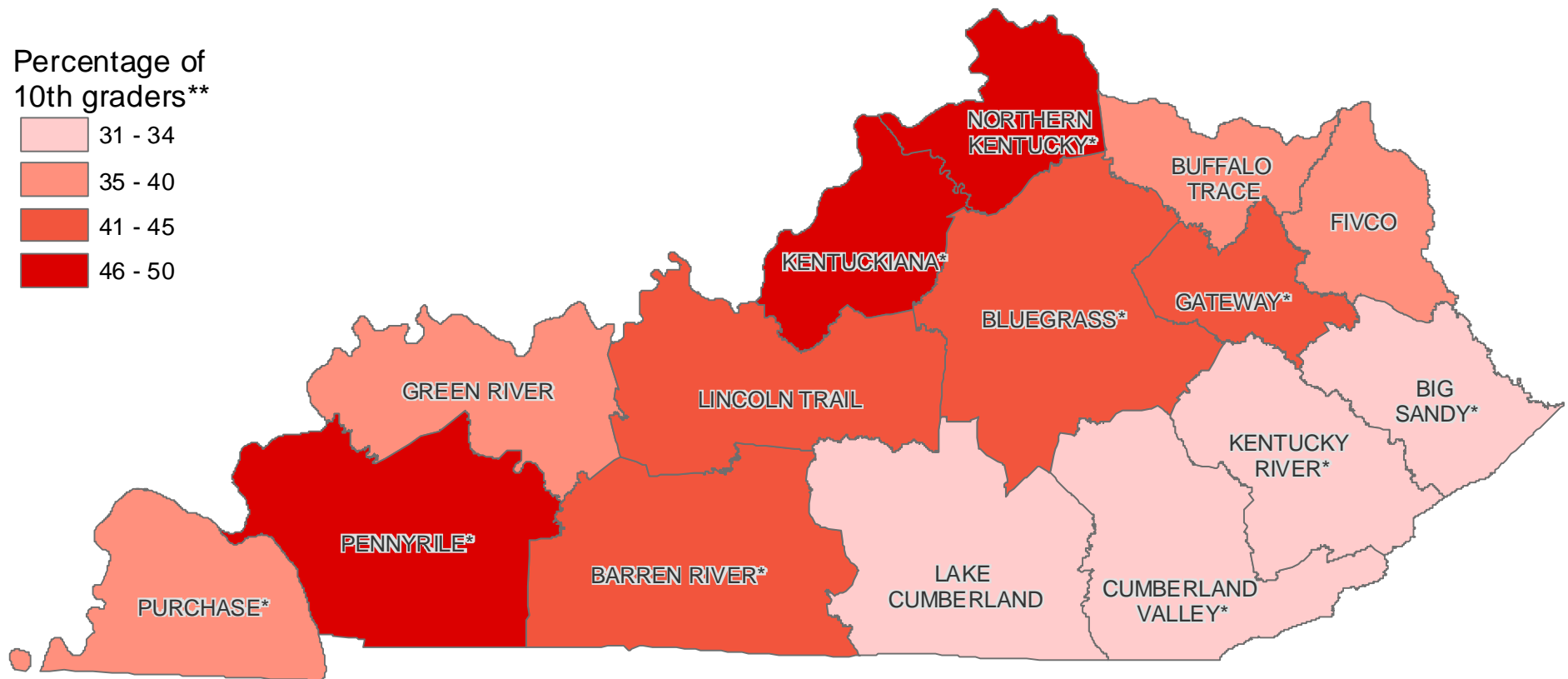
PURCHASE: Hickman
 PENNYRILE: Trigg
 BARREN RIVER: Warren, Hart
 KENTUCKIANA: Jefferson
 NORTHERN KY: Pendleton

BLUEGRASS: Anderson, Madison, Harrison
 GATEWAY: Bath
 CUMBERLAND VALLEY: Jackson
 KENTUCKY RIVER: Wolfe
 BIG SANDY: Martin

**Data is classified using quartiles. The first class contains the lowest 25% of the data values, the second class contains the next lowest 25%, and the fourth and last class contains the highest 25% of data values. Quartiles are effective for comparing maps since they allow comparisons based on the rank ordering of the four classes.

Grade 10 - Perceived School Problems Associated with Drug Dealing, 2006

(% responding that drug dealing is a problem in their school)



*NON-PARTICIPATING COUNTIES BY REGION

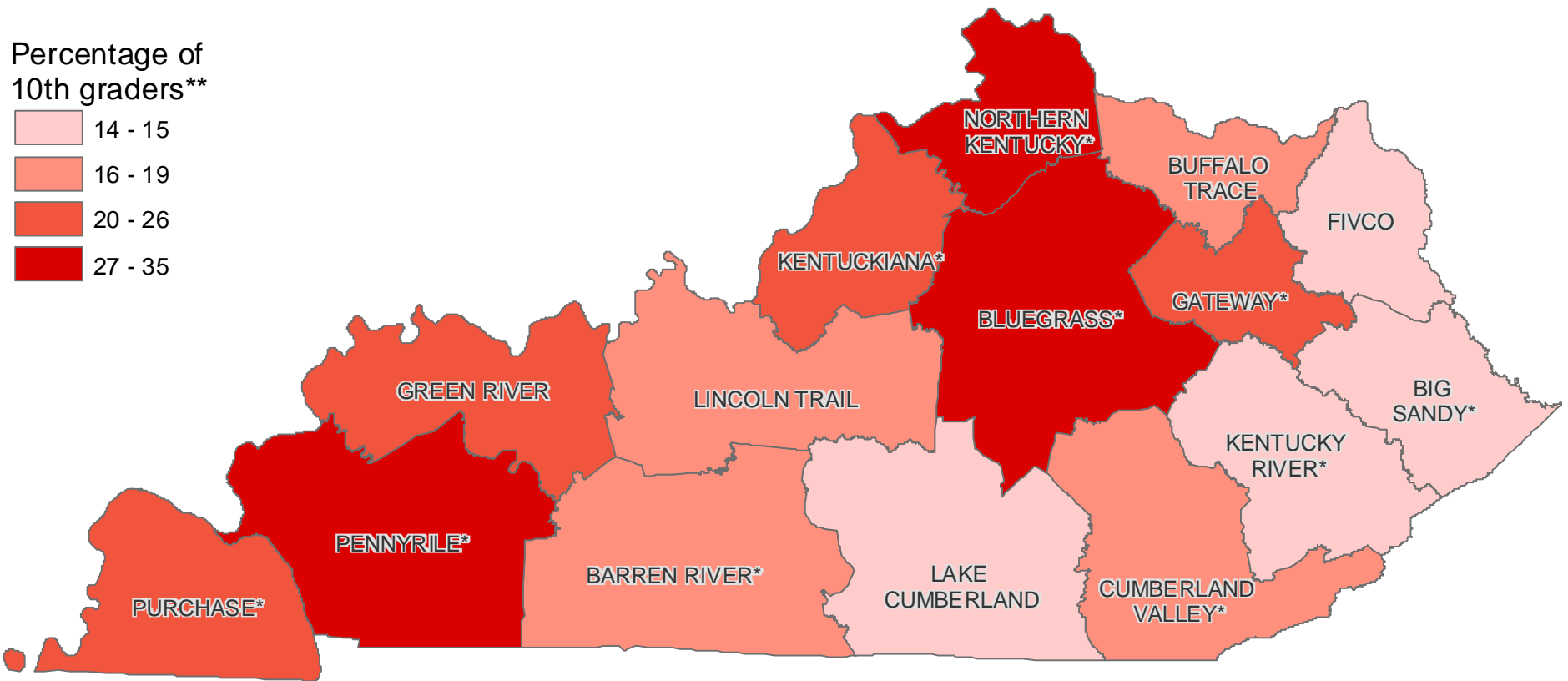
PURCHASE: Hickman
 PENNYRILE: Trigg
 BARREN RIVER: Warren, Hart
 KENTUCKIANA: Jefferson
 NORTHERN KY: Pendleton

BLUEGRASS: Anderson, Madison, Harrison
 GATEWAY: Bath
 CUMBERLAND VALLEY: Jackson
 KENTUCKY RIVER: Wolfe
 BIG SANDY: Martin

**Data is classified using quartiles. The first class contains the lowest 25% of the data values, the second class contains the next lowest 25%, and the fourth and last class contains the highest 25% of data values. Quartiles are effective for comparing maps since they allow comparisons based on the rank ordering of the four classes.

Grade 10 - Perceived School Problems Associated with Gangs, 2006

(% responding that the presence of gangs is a problem in their school)



*NON-PARTICIPATING COUNTIES BY REGION

PURCHASE: Hickman
 PENNYRILE: Trigg
 BARREN RIVER: Warren, Hart
 KENTUCKIANA: Jefferson
 NORTHERN KY: Pendleton

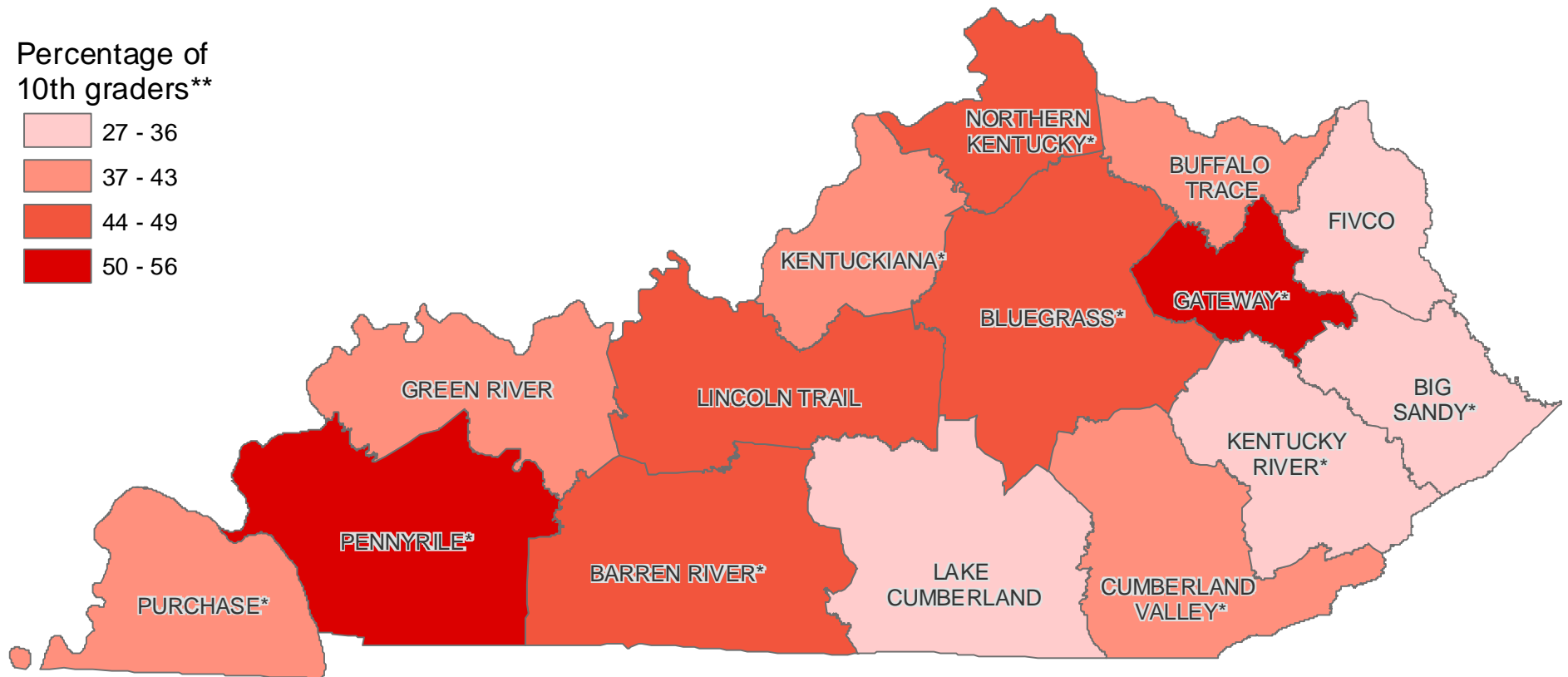
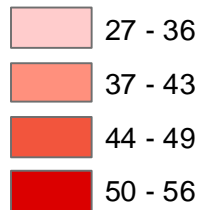
BLUEGRASS: Anderson, Madison, Harrison
 GATEWAY: Bath
 CUMBERLAND VALLEY: Jackson
 KENTUCKY RIVER: Wolfe
 BIG SANDY: Martin

**Data is classified using quartiles. The first class contains the lowest 25% of the data values, the second class contains the next lowest 25%, and the fourth and last class contains the highest 25% of data values. Quartiles are effective for comparing maps since they allow comparisons based on the rank ordering of the four classes.

Grade 10 - Perceived School Problems Associated with Racial Conflict, 2006

(% responding that racial fighting is a problem in their school)

Percentage of 10th graders**



*NON-PARTICIPATING COUNTIES BY REGION

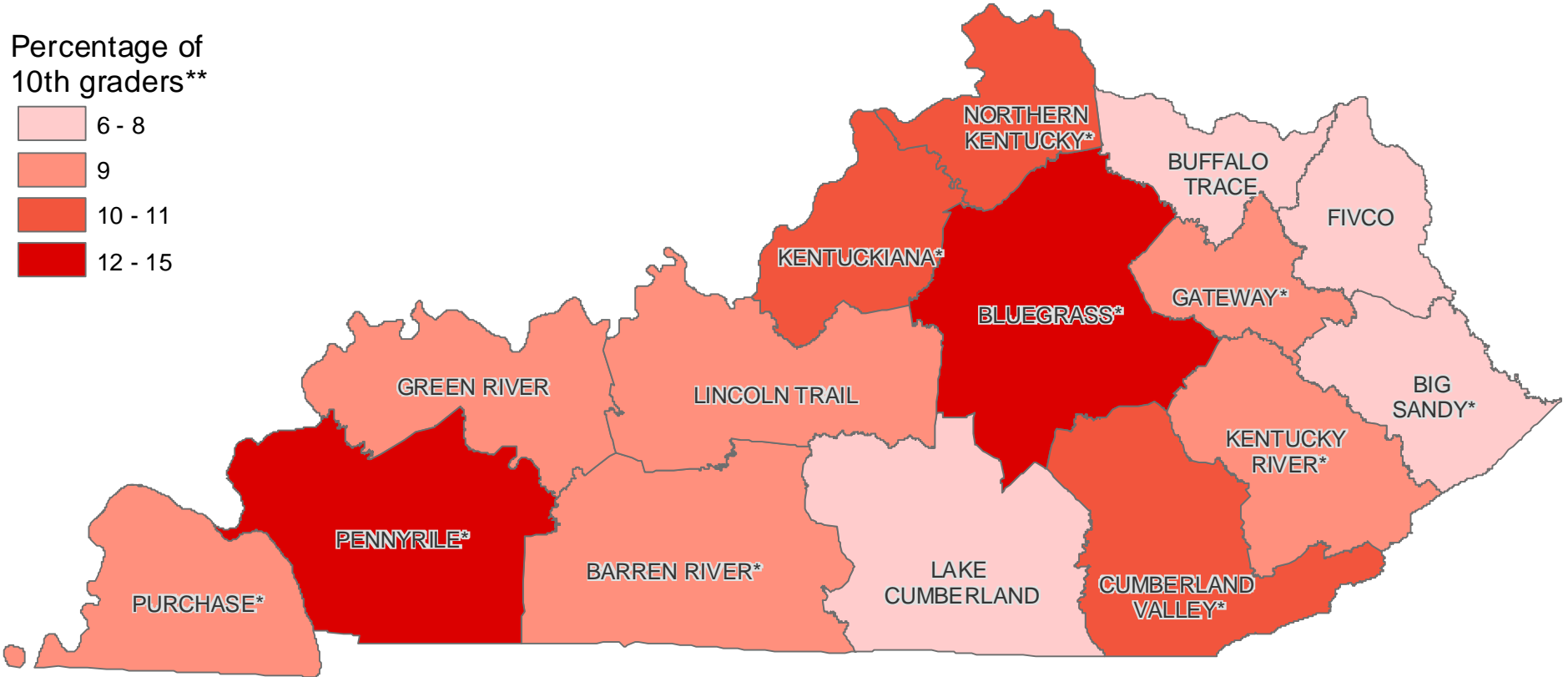
PURCHASE: Hickman
 PENNYRILE: Trigg
 BARREN RIVER: Warren, Hart
 KENTUCKIANA: Jefferson
 NORTHERN KY: Pendleton

BLUEGRASS: Anderson, Madison, Harrison
 GATEWAY: Bath
 CUMBERLAND VALLEY: Jackson
 KENTUCKY RIVER: Wolfe
 BIG SANDY: Martin

**Data is classified using quartiles. The first class contains the lowest 25% of the data values, the second class contains the next lowest 25%, and the fourth and last class contains the highest 25% of data values. Quartiles are effective for comparing maps since they allow comparisons based on the rank ordering of the four classes.

Grade 10 - Perceived School Problems Associated with Guns on School Grounds, 2006

(% responding that guns are a problem in their school)



*NON-PARTICIPATING COUNTIES BY REGION

PURCHASE: Hickman
 PENNYRILE: Trigg
 BARREN RIVER: Warren, Hart
 KENTUCKIANA: Jefferson
 NORTHERN KY: Pendleton

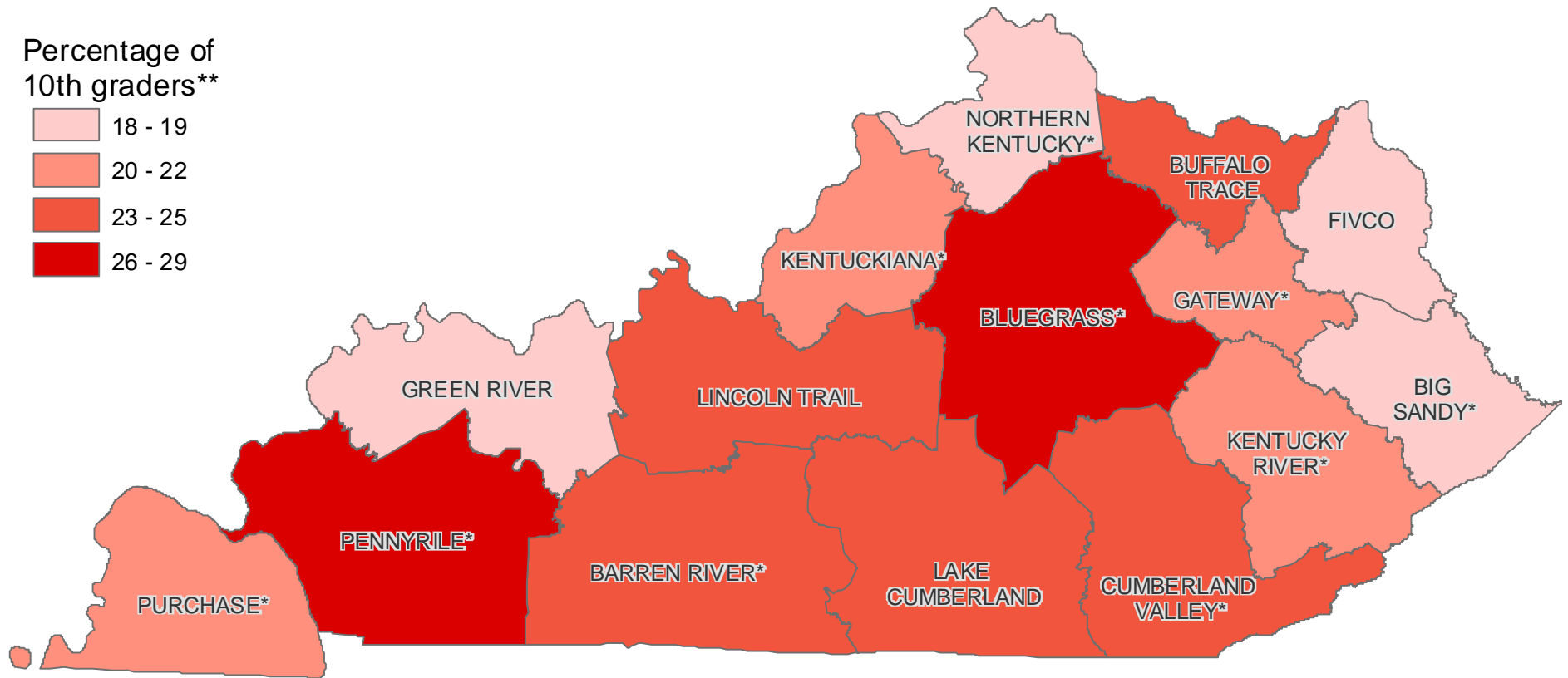
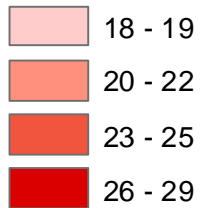
BLUEGRASS: Anderson, Madison, Harrison
 GATEWAY: Bath
 CUMBERLAND VALLEY: Jackson
 KENTUCKY RIVER: Wolfe
 BIG SANDY: Martin

**Data is classified using quartiles. The first class contains the lowest 25% of the data values, the second class contains the next lowest 25%, and the fourth and last class contains the highest 25% of data values. Quartiles are effective for comparing maps since they allow comparisons based on the rank ordering of the four classes.

Grade 10 - Perceived School Problems Associated with Other Weapons on School Grounds, 2006

(% responding that weapons other than guns are a problem in their school)

Percentage of 10th graders**



*NON-PARTICIPATING COUNTIES BY REGION

PURCHASE: Hickman
 PENNYRILE: Trigg
 BARREN RIVER: Warren, Hart
 KENTUCKIANA: Jefferson
 NORTHERN KY: Pendleton

BLUEGRASS: Anderson, Madison, Harrison
 GATEWAY: Bath
 CUMBERLAND VALLEY: Jackson
 KENTUCKY RIVER: Wolfe
 BIG SANDY: Martin

**Data is classified using quartiles. The first class contains the lowest 25% of the data values, the second class contains the next lowest 25%, and the fourth and last class contains the highest 25% of data values. Quartiles are effective for comparing maps since they allow comparisons based on the rank ordering of the four classes.