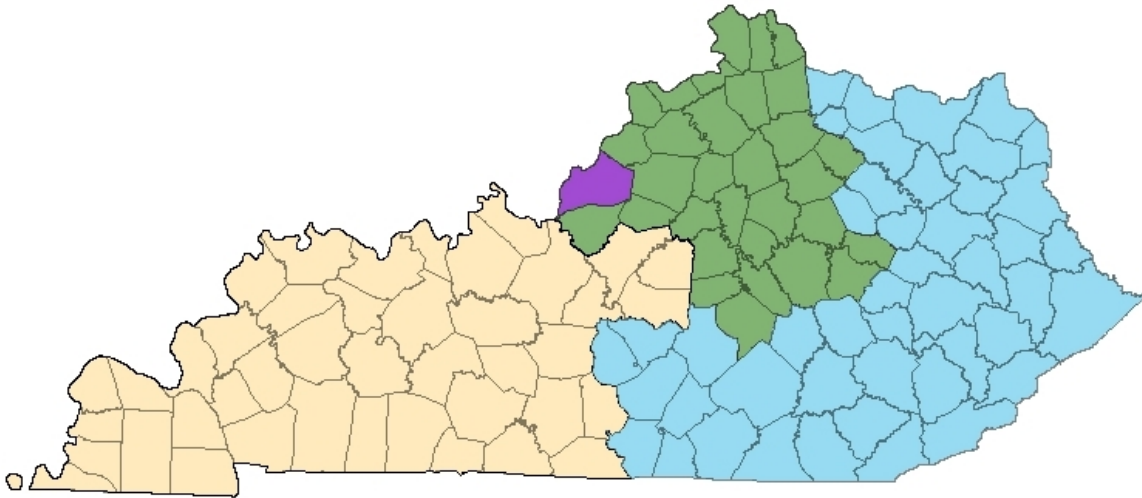


10. Regional Comparisons

Kentucky was partitioned into three regions for sampling purposes. Regions were nested in Mental Health/Mental Retardation (MHMR) regions. Additionally Jefferson County was considered a separate and distinct region. Figure 10.1 presents the map of Kentucky by sampling region.

Figure 10.1: Sampling regions



West Region

MHMR's: Communicare, Four Rivers, Lifeskills, Penny Royal, River Valley

Counties: Allen, Ballard, Barren, Breckenridge, Butler, Caldwell, Calloway, Carlisle, Christian, Crittenden, Daviess, Edmonson, Fulton, Graves, Grayson, Hancock, Hardin, Hart, Henderson, Hickman, Hopkins, Larue, Livingston, Logan, Lyon, Marion, Marshall, McCracken, McLean, Meade, Metcalfe, Monroe, Muhlenberg, Nelson, Ohio, Simpson, Todd, Trigg, Union, Warren, Washington, Webster

East Region

MHMR's: Adanta, Comprehend, Cumberland, Kentucky River, Mountain, Pathways

Counties: Adair, Bath, Bell, Boyd, Bracken, Breathitt, Carter, Casey, Clay, Clinton, Cumberland, Elliott, Fleming, Floyd, Green, Greenup, Harlan, Jackson, Johnson, Knott, Knox, Laurel, Lawrence, Lee, Leslie, Letcher, Lewis, Magoffin, Martin, Mason, McCreary, Menifee, Montgomery, Morgan, Owsley, Perry, Pike, Pulaski, Robertson, Rockcastle, Rowan, Russell, Taylor, Wayne, Whitley, Wolfe

North-Central Region

MHMR's: Bluegrass, Seven Counties (excluding Jefferson Co.), North Key

Counties: Anderson, Boone, Bourbon, Boyle, Bullitt, Campbell, Carroll, Clark, Estill, Fayette, Franklin, Gallatin, Garrard, Grant, Harrison, Henry, Jessamine, Kenton, Lincoln, Madison, Mercer, Nicholas, Oldham, Owen, Pendleton, Powell, Scott, Shelby, Spencer, Trimble, Woodford

SECTION TEN: REGIONAL COMPARISONS

The East and West regions have the highest adolescent lifetime prevalence for smoking cigarettes. Jefferson County and the West region have the highest lifetime prevalence for drinking. Jefferson County has higher lifetime prevalence for all other drugs except hallucinogens and sedatives. Table 10.1 presents the lifetime prevalence rates for cigarettes, alcohol, and other drugs. Table 10.2 presents the estimated number of adolescent Kentuckians who ever used cigarettes, alcohol, and other drugs.

Table 10.1: Lifetime cigarette, alcohol, and drug use prevalence rates for adolescent Kentuckians by region

| | Kentucky | West | East | North-Central | Jefferson Co. |
|------------------|----------|-------|-------|---------------|---------------|
| Cigarettes | 22.0% | 24.5% | 24.5% | 19.4% | 20.4% |
| Alcohol | 28.8% | 30.7% | 25.0% | 28.3% | 30.2% |
| Marijuana | 9.3% | 8.9% | 6.9% | 8.9% | 12.0% |
| Cocaine | 1.1% | 1.2% | 0.6% | 0.7% | 1.9% |
| Other Stimulants | 0.8% | 0.5% | 0.9% | 0.6% | 1.4% |
| Oxycodone | 1.3% | 1.5% | 0.6% | 1.1% | 1.9% |
| Other Opiates | 2.1% | 1.7% | 0.9% | 1.8% | 3.9% |
| Sedatives | 2.2% | 2.7% | 1.6% | 1.8% | 2.4% |
| Hallucinogens | 0.9% | 0.5% | 0.5% | 1.3% | 1.2% |
| Club Drugs | 0.9% | 0.4% | 0.6% | 0.2% | 2.6% |
| Inhalants | 1.7% | 1.9% | 1.5% | 1.2% | 2.3% |
| Other | 2.0% | 1.3% | 1.2% | 2.1% | 3.3% |
| Any Illicit | 11.1% | 11.2% | 7.7% | 10.3% | 14.6% |

Table 10.2: Estimated number of adolescent Kentuckians who ever used cigarettes, alcohol, and other drugs by region

| | Kentucky | West | East | North-Central | Jefferson Co. |
|------------------|----------|--------|--------|---------------|---------------|
| Cigarettes | 74,681 | 22,897 | 19,948 | 20,519 | 11,317 |
| Alcohol | 98,186 | 29,395 | 20,877 | 30,791 | 17,123 |
| Marijuana | 31,423 | 8,725 | 5,916 | 9,870 | 6,912 |
| Cocaine | 3,698 | 1,171 | 583 | 833 | 1,111 |
| Other Stimulants | 2,689 | 451 | 764 | 703 | 771 |
| Oxycodone | 4,476 | 1,460 | 593 | 1,297 | 1,126 |
| Other Opiates | 6,982 | 1,724 | 888 | 2,082 | 2,288 |
| Sedatives | 7,438 | 2,668 | 1,395 | 1,985 | 1,390 |
| Hallucinogens | 3,044 | 462 | 423 | 1,471 | 688 |
| Club Drugs | 2,966 | 499 | 609 | 331 | 1,527 |
| Inhalants | 5,800 | 1,879 | 1,290 | 1,322 | 1,309 |
| Other | 7,036 | 1,376 | 1,177 | 2,503 | 1,980 |
| Any Illicit | 37,547 | 10,997 | 6,628 | 11,516 | 8,406 |

SECTION TEN: REGIONAL COMPARISONS

The West region has the highest prevalence rate of alcohol abuse and alcohol dependence* for adolescent Kentuckians. Jefferson County has the highest prevalence rate of drug abuse and dependence. The West region also has the highest treatment need in the state. Table 10.3 presents the prevalence rates for abuse and dependence and current treatment need. Table 10.4 presents the estimated number of adolescent Kentuckians who meet abuse or dependence criteria in their lifetime or need treatment by region.

Table 10.3: Substance abuse and dependence* prevalence and current treatment need for adolescent Kentuckians by region

| | Kentucky | West | East | North-Central | Jefferson Co. |
|-------------------------|----------|------|------|---------------|---------------|
| Alcohol Abuse | 3.1% | 3.6% | 2.4% | 3.0% | 3.5% |
| Alcohol Dependence | 4.7% | 6.3% | 3.9% | 3.6% | 4.9% |
| Drug Abuse | 1.6% | 1.7% | 1.6% | 1.2% | 1.8% |
| Drug Dependence | 2.3% | 2.4% | 1.9% | 1.5% | 3.4% |
| Any Abuse or Dependence | 7.3% | 9.0% | 6.3% | 6.6% | 6.9% |
| Treatment Need | 7.6% | 9.0% | 6.5% | 7.3% | 7.1% |

Table 10.4: Estimated number of adolescent Kentuckians who meet abuse or dependence* criteria and need treatment by region

| | Kentucky | West | East | North-Central | Jefferson Co. |
|-------------------------|----------|-------|-------|---------------|---------------|
| Alcohol Abuse | 10,736 | 3,441 | 2,026 | 3,259 | 2,010 |
| Alcohol Dependence | 15,916 | 5,971 | 3,232 | 3,944 | 2,769 |
| Drug Abuse | 5,360 | 1,650 | 1,360 | 1,308 | 1,042 |
| Drug Dependence | 7,783 | 2,384 | 1,669 | 1,731 | 1,999 |
| Any Abuse or Dependence | 24,771 | 8,547 | 5,188 | 7,150 | 3,886 |
| Treatment Need | 25,793 | 8,556 | 5,372 | 7,842 | 4,023 |

* The term dependence in this report is not meant to be interpreted as a formal diagnosis. Any person who reported three or more DSM-IV-TR lifetime criteria is included as dependent.

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