Improving Community Health   
through Planning and Partnerships

**Louisa County**

**Community Health Status Assessment**

**Section III: *What is our health status? (Part 2)***

1. **Maternal and Child Health**
2. **Live Births**

|  |  |  |  |
| --- | --- | --- | --- |
| Live Birth Rate per 1,000 Persons Living in Locality, 3 year rolling averages, | | | |
|  | 2011-13 | | 2012-14 |
| Louisa | | 11.1 | 10.9 |
| Fluvanna | | 10.1 | 9.9 |
| Virginia | | 12.5 | 12.4 |

1. **Infant Mortality**

|  |  |  |
| --- | --- | --- |
| Infant Deaths per 1,000 Live Births by Locality, 5 year Rolling Average | | |
|  | 2008-12 | 2009-13 |
| Louisa | 6.9 | 4.8 |
| Fluvanna | 5.7 | 5.1 |
| Virginia | 7.2 | 6.6 |

1. **Infant Mortality by Race**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Infant Mortality Rate by Race, 5 Year Rolling Average | | | | |
|  | **2008-12** | | **2009-13** | |
|  | **Black** | **White** | **Black** | **White** |
| Louisa | 18.0 | 5.1 | 11.4 | 3.8 |
| Fluvanna | 13.7 | 4.6 | 16.4 | 4.2 |
| Virginia | 14.0 | 5.6 | 13.3 | 5.1 |

Source for Tables A - C: Virginia Department of Health. Division of Health Statistics

1. **Pregnancy- Associated Deaths (of Mothers)**

|  |  |  |
| --- | --- | --- |
| Pregnancy Associated Deaths per 100,000 Live Births to VA Residents, 3 Year Rolling Averages | | |
|  | **2010-12** | **2011-13** |
| Northwest Region (Includes TJHD) | 46.0 | 43.8 |
| Virginia | 46.4 | 45.5 |

Source: Virginia Pregnancy-Associated Mortality Surveillance System. Office of the Chief Medical Examiner, Virginia Department of Health. Ten Year Trends in Pregnancy Associated Death in Virginia 2014-13

1. **Low-birth Weight Births**

|  |  |  |
| --- | --- | --- |
| Percent of Low Birthweight Births out of Total Live Births, 3 year Rolling Averages, | | |
|  | **2011-13** | **2012-14** |
| Louisa | 7.5% | 7.1% |
| Fluvanna | 7.0% | 7.2% |
| Virginia | 8.3% | 8.0% |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Percent of Low Birthweight Births by Race out of Total Live Births, 3 year Rolling Averages | | | | |
|  | **2011-13** | | **2012-14** | |
|  | **Black** | **White** | **Black** | **White** |
| Louisa | 13.4% | 6.5% | 10.7% | 6.5% |
| Fluvanna | 10.0% | 6.4% | 14.4% | 5.7% |

|  |  |  |
| --- | --- | --- |
| Teen Pregnancy: Ages 15-17 Years per 1,000 Females Aged 15-17 in TJHD, 3 year Rolling Average | | |
|  | **2011-13** | **2012-14** |
| Louisa | 12.1 | 13.7 |
| Fluvanna | 6.9 | 7.2 |
| Virginia | 14.0 | 12.1 |

1. **Teen Pregnancy**

|  |  |  |
| --- | --- | --- |
| Teen Pregnancy: Ages 10-19 Years per 1,000 Females Aged 10-19 in TJHD, 3 year Rolling Average | | |
|  | **2011-13** | **2012-14** |
| Louisa | 18.2 | 16.6 |
| Fluvanna | 11.1 | 10.5 |
| Virginia | 16.6 | 14.6 |

1. **Prenatal Care**

|  |  |  |
| --- | --- | --- |
| Percent of Live Births to Women with Prenatal Care in the first 13 Weeks, 3 year Rolling Averages | | |
|  | **2010-12** | **2011-13** |
| Louisa | 82.8% | 83.0% |
| Fluvanna | 78.4% | 79.2% |
| Virginia | 82.5% | 82.9% |

1. **Smoking During Pregnancy**

|  |  |  |
| --- | --- | --- |
| Percent of Live Births to Mothers who Reported Smoking During Pregnancy, 3 Year Rolling Averages | | |
|  | **2010-12** | **2011-13** |
| Louisa | 8.1% | 9.4% |
| Fluvanna | 5.3% | 5.3% |
| Virginia | 6.7% | 8.0% |

1. **Substance Abuse During Pregnancy**

|  |  |
| --- | --- |
| Percent of Mother Reporting Substance Use During Pregnancy, 2013 | |
| Louisa | 1.1% |
| Fluvanna | 1.2% |
| Virginia | 1.4% |

|  |  |  |
| --- | --- | --- |
| Number of Substance Exposed Infants in TJHD, 3 Year Rolling Average | | |
|  | **2010-12** | **2011-13** |
| Louisa | 4 | 4 |
| Fluvanna | 5 | 5 |

Source for Tables E - I: Virginia Department of Health. Division of Health Statistics

1. **Adverse Childhood Experiences**
2. **ACEs**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Percent of Children Ages Birth to 17 years Reporting Having Zero, One, Two or Three+ ACEs, 2011-12 | | | | |
|  | **Zero** | **One or Two** | **Three +** |
| Virginia | 58% | 34% | 8% |
| U.S. | 54% | 35% | 11% |

Source: Sacks, V., Murphy, D., Moore, K. Child Trends Research Brief: Adverse Childhood Experiences: National and State-Level Prevalence. July 2014. Used data from the 2011-12 National Survey of Children's Health (NSCH).

1. **ACE’s by Type-Abuse**

|  |  |
| --- | --- |
| Prevalence of ACE’s by Type-Abuse in the 10 states & D.C. that participated in BRFSS, 2010 | |
| Sexual Abuse | 10.9% |
| Physical Abuse | 15.9% |
| Emotional Abuse | 35.0% |

Source: Centers for Disease Control & Prevention (CDC). Adverse Childhood Experience (ACE)

1. **Mental Health Outcomes**
2. **Mental Health Disorders**

|  |  |
| --- | --- |
| Prevalence of Mental Health Disorders by Type in Consumers Served by Region 10, TJHD, 2015 | |
| Mood Disorders | 20.9% |
| Schizophrenia & Other Psychotic Disorders | 8.0% |
| Attention Deficit & Disruptive Behavior | 7.7% |
| Adjustment Disorder | 6.8% |
| Alcohol-Related Disorder | 6.2% |
| Anxiety Disorders | 3.0% |
| Cannabis-Related Disorder | 2.1% |
| Cocaine-Related Disorder | 1.3% |

1. **Type of Substance Abuse**

|  |  |  |
| --- | --- | --- |
| Primary Type of Substance Abuse in Region 10 Consumers Diagnosed with Substance Abuse Disorder, FY 2015 | | |
|  | Charlottesville | Albemarle |
| Alcohol | 53% | 57% |
| Marijuana or Hashish | 27% | 25% |
| Cocaine or Crack Cocaine | 10% | 6% |
| Heroin | 4% | 3% |
| Other Opiates/Synthetics | 3% | 4% |
| Benzodiazepine | 1% | 1% |
| Methamphetamines | 0% | 1% |

Source for Chart A - B: Region 10

1. **Poisoning**
2. **Poisoning Medical Outcomes**

|  |  |
| --- | --- |
| Medical Outcomes of Poisoning Exposures in TJHD, 2015 | |
| Minor/No more than minimal toxicity | 55.2% |
| No effect, expected to be non-toxic | 22.9% |
| Moderate Effect | 14.7% |
| Major Effect | 3.9% |
| Not followed, but potentially toxic | 3.1% |
| Death | 0.3% |

1. **Poisoning Exposure in Children**

|  |  |
| --- | --- |
| Percent of Poisoning Exposures Who Were Children in TJHD, 2015 | |
| Children under 5 years | 39.8% |
| All Children (under 19 years) | 56.4% |

Source for Chart A - B: Blue Ridge Poison Control Center

1. **Leading Causes of Death**
2. **Mortality**

|  |  |
| --- | --- |
| Total Mortality, Rate per 100,000 Population, 3 Year Rolling Averages, 2011-13 | |
| Louisa | 765.4 |
| Fluvanna | 659.0 |
| Virginia | 738.3 |

1. **Leading Causes of Death in Virginia**

|  |  |
| --- | --- |
| Top Ten Leading Causes of Death in Virginia in 2013, Rate per 100,000 Population | |
| Malignant Neoplasms (Cancer) | 161.3 |
| Diseases of the Heart | 155.9 |
| Cerebrovascular Disease (Stroke) | 38.5 |
| COPD and Asthma | 37.2 |
| Unintentional Injury | 33.0 |
| Alzheimer’s Disease | 19.6 |
| Diabetes Mellitus | 18.3 |
| Nephritis and Nephrosis | 18.0 |
| Septicemia | 17.7 |
| Influenza and Pneumonia | 16.8 |

1. **Leading Causes of Death in TJHD**

|  |  |
| --- | --- |
| Top Ten Leading Causes of Death in TJHD in 2013, Rate per 100,000 Population | |
| Malignant Neoplasms (Cancer) | 150.8 |
| Diseases of the Heart | 135.9 |
| COPD and Asthma | 37.3 |
| Unintentional Injury | 33.6 |
| Cerebrovascular Diseases (Stroke) | 33.2 |
| Septicemia | 26.6 |
| Alzheimer’s Disease | 20.7 |
| Influenza and Pneumonia | 15.0 |
| Nephritis and Nephrosis | 13.0 |
| Suicide | 11.4 |

**D. Leading Causes of Death in Louisa**

|  |  |
| --- | --- |
| Top Ten Leading Causes of Death in Louisa in 2013, Rate per 100,000 Population | |
| Diseases of the Heart | 210.0 |
| Malignant Neoplasms (Cancer) | 163.7 |
| Unintentional Injury | 49.6 |
| Chronic Lower Respiratory Diseases | 38.3 |
| Cerebrovascular Disease (Stroke) | 26.5 |
| Influenza and Pneumonia | 26.0 |
| Nephritis and Nephrosis | 21.6 |
| Diabetes Mellitus | 20.9 |
| Alzheimer’s Disease | 20.9 |
| Septicemia | 20.6 |

1. **Heart Disease Deaths G. Cancer Related Deaths**

|  |  |
| --- | --- |
| Heart Disease Mortality, Rate per 100,000 Population, 3 Year Rolling Averages, 2011-13 | |
| Louisa | 176 |
| Fluvanna | 142 |
| Virginia | 158 |

|  |  |
| --- | --- |
| Cancer Mortality, Rate per 100,000 Population, 3 Year Rolling Averages, 2010-13 | |
| Louisa | 185 |
| Fluvanna | 178 |
| Virginia | 165 |

1. **Stroke-Related Deaths**

|  |  |  |
| --- | --- | --- |
| Stroke Mortality, Rate per 100,000 Population, 3 Year Rolling Averages, 2011-13 | | |
| Louisa | 43 |  |
| Fluvanna | 27 |  |
| Virginia | 40 |  |

1. **Deaths from Chronic Lower Respiratory Diseases**

|  |  |
| --- | --- |
| Chronic Lower Respiratory Disease Mortality, Rate per 100,000 Population, 3 Year Rolling Averages, 2011-13 | |
| Louisa | 48 |
| Fluvanna | 26 |
| Virginia | 37 |

1. **Diabetes Related Deaths**

|  |  |
| --- | --- |
| Diabetes Mortality, Rate per 100,000 Population, 3 Year Rolling Averages, 2010-13 | |
| Louisa | 23 |
| Fluvanna | 6 |
| Virginia | 19 |

Source for Chart A – J: Virginia Department of Health, Division of Health Statistics

1. **Cancer**
2. **Breast Cancer**

|  |  |
| --- | --- |
| Breast Cancer Rates per 100,000, 5 year Averages, 2008-12 | |
| Louisa | 120.9 |
| Fluvanna | 119.6 |
| Virginia | 124.6 |

1. **Prostate Cancer**

|  |  |
| --- | --- |
| Prostate Cancer Incidence Rate per 100,000, 5 Year Averages, 2008-12 | |
| Louisa | 120.3 |
| Fluvanna | 98.2 |
| Virginia | 126.3 |

1. **Lung Cancer**

|  |  |  |
| --- | --- | --- |
| Lung Cancer Rates per 100,000, 5 year Averages, 2008-12 | | |
| Louisa | 80.2 |  |
| Fluvanna | 69.8 |  |
| Virginia | 63.7 |  |

1. **Colorectal Cancer**

|  |  |  |
| --- | --- | --- |
| Colorectal Cancer Incidence Rate per 100,000, 5 Year Averages, 2008-12 | | |
| Louisa | 43.7 |  |
| Fluvanna | 36.2 |  |
| Virginia | 38.2 |  |

1. **Skin Cancer (Melanoma)**

|  |  |  |
| --- | --- | --- |
| Skin Cancer Rates per 100,000, 5 year Averages, 2008-12 | | |
| Louisa | 21.6 |  | |
| Fluvanna | 24.2 |  | |
| Virginia | 18.3 |  | |

1. **Cervical Cancer**

|  |  |
| --- | --- |
| Cervical Cancer Incidence Rate per 100,000, 5 Year Averages, 2008-12 | |
| TJHD | 6.7 |
| Virginia | 6.3 |

Sources for Tables A - F: Virginia Department of Health. Virginia Cancer Registry. University of Virginia, Department of Public Health Sciences.

1. **Cancer Deaths**

|  |  |  |
| --- | --- | --- |
| Cancer Mortality Rate per 100,000, 5 year Averages, 2008-12 | | |
|  | **TJHD** | **Virginia** |
| Breast Cancer | 18.4 | 22.7 |
| Prostate Cancer | 21.4 | 22.14 |
| Lung | 46.1 | 48.2 |
| Colorectal | 14.6 | 14.9 |
| Skin Cancer | 3.6 | 2.9 |
| Cervical Cancer | No Data | 1.9 |

Source: Virginia Department of Health. Division of Health Statistics.

1. **Unintentional Injury**
2. **Unintentional Injury Mortality**

|  |  |  |
| --- | --- | --- |
| Unintentional Injury Mortality, Rate per 100,000, 3 Year Rolling Averages, 2010-13 | | |
| Louisa | 46 |  |
| Fluvanna | 30 |  |
| Virginia | 34 |  |

Sources: Virginia Department of Health. Division of Health Statistics.

1. **Suicide and Homicide**

|  |  |
| --- | --- |
| Suicide Rate per 100,000 in Youth Aged 10-24, 10 Year Average, 2003-13 | |
| TJHD | 5.01 |
| Virginia | 7.16 |

1. **Suicide and Homicide B. Youth Suicide**

|  |  |  |
| --- | --- | --- |
| Rate per 100,000 Population, 3 Year Rolling Averages, 2010-13 | | |
| Suicide | | **Homicide** |
| Louisa | 8.6 | 2.6 |
| Fluvanna | 19.0 | 1.3 |
| Virginia | 12.6 | 4.0 |

Sources for Charts A – B: Virginia Department of Health, Virginia Online Injury Reporting System and Division of Health Statistics.