Improving Community Health   
through Planning and Partnerships

**Nelson County**

**Community Health Status Assessment**

**Section III: *What is our health status?(Part 1)***

1. **Disease Prevalence**
2. **Heart Disease**

|  |  |
| --- | --- |
| Adults Aged 18 Years and Older with Heart Disease (2011-2012) | |
| Nelson | No Data |
| Greene | 6.4% |
| Virginia | 4.2% |

|  |  |
| --- | --- |
| Heart Disease in Medicare Beneficiaries (Mainly Adults 65+ years), 2012 | |
| Nelson | 21.7% |
| Greene | 23.0% |
| Virginia | 24.7% |

1. **Hypertension (High Blood Pressure)**

|  |  |
| --- | --- |
| Percent of Adults Age 18 Years & Older with Hypertension, 2006-2012 | |
| Nelson | **No Data** |
| Greene | **No Data** |
| TJHD | **23.1%** |
| Virginia | **27.7%** |

|  |  |
| --- | --- |
| Percent of Medicare Beneficiaries with Hypertension, 2012 | |
| Nelson | **50.2%** |
| Greene | **53.2%** |
| Virginia | **57.1%** |

1. **Diabetes**

|  |  |
| --- | --- |
| Population Diagnosed with Diabetes, Age-Adjusted Rate, 2012 | |
| Nelson | 9.8% |
| Greene | 8.6% |
| Virginia | 9.2% |

|  |  |
| --- | --- |
| Percent of Medicare Beneficiaries with Diabetes, 2012 | |
| Nelson | 26.9% |
| Greene | 27.3% |
| Virginia | 26.9% |

|  |  |  |
| --- | --- | --- |
| Percent of Adults Age 20 Years or Older with Diabetes, 2012 | | |
|  | **Males** | **Females** |
|  |  |  |
| Greene | 9.6% | 8.1% |
| Virginia | 9.9% | 8.8% |

|  |  |
| --- | --- |
| Percent of Medicare Beneficiaries with Hyperlipidemia, 2012 | |
| Nelson | 44.0% |
| Greene | 41.0% |
| Virginia | 47.1% |

1. **High Cholesterol**

|  |  |
| --- | --- |
| Percent of Adults Age 18 Years or Older with High Cholesterol, 2011-12 | |
| Nelson | 21% |
| Greene | 21% |
| Virginia | 37% |

1. **Asthma**

|  |  |  |
| --- | --- | --- |
| Percent of Adults Age 18 Years or Older with Asthma, 2011-12 | | |
| Nelson | 8.6% |  |
| Greene | 10.8% |  |
| Virginia | 13.2% |  |

1. **Poor Dental Health**

|  |  |  |
| --- | --- | --- |
| Percent of Adults Age 18 Years & Older with Poor Dental Health, 2012 | | |
| Nelson | 11% |  |
| Greene | 16% |  |
| Virginia | 13% |  |

Source for Charts A-F: Community Commons Community Health Needs Assessment Report for Thomas Jefferson Health District Localities-Health Outcomes. 2012.

1. **Infectious Disease**

|  |  |
| --- | --- |
| HIV/AIDS Incidence Rate per 100,000 Population by Race, 5 Year Average, 2010-2014 | |
| Virginia-All Races | 13.9 |
| Virginia-Black | 40.7 |
| Virginia White | 5.5 |

1. **HIV/AIDS**

|  |  |
| --- | --- |
| HIV/AIDS Incidence Rate per 100,000 Population, 2014 | |
| Nelson | 0.0 |
| Greene | 8.9 |
| Virginia | 13.2 |

1. **Infectious Disease**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | Infectious Disease, Incidence Rates per 100,000 Population, 2014 | | | | | | |
|  | | | | **Greene** | **Nelson** | | **Virginia** |
| Sexually Transmitted Infections (STI’s) | |  | | |  | |  |
| Gonorrhea | | 16.0 | | | 47.3 | | 99.2 |
| Chlamydia | | 133.0 | | | 175.8 | | 432.5 |
| Syphilis | | 0.0 | | | 0.0 | | 6.7 |
| Vaccine Preventable Infectious Diseases | | | |  | | | |
| Varicella (Chicken Pox) | | | 0 | | 0 | 3.9 | |
| Pertussis | | | 21.3 | | 27.0 | 6.1 | |
| Meningococcal Disease | | | 0 | | 0 | 0.1 | |
| Mumps | | | 0 | | 0 | 0.2 | |
| Respiratory Infectious Diseases | | |  | |  |  | |
| Legionellosis | | | 5.3 | | 0 | 1.6 | |
| Tuberculosis | | | 0 | | 0 | 2.4 | |
| Food-borne Infectious Diseases | | |  | |  |  | |
| Campylobacteriosis | | | 5.3 | | 13.5 | 9.0 | |
| E. coli | | | 0 | | 0 | 1.5 | |
| Giardiasis | | | 0 | | 0 | 3.1 | |
| Salmonellosis | | | 31.9 | | 20.3 | 13.9 | |
| Shigellosis | | | 5.3 | | 0 | 2.6 | |
| Vector-borne Infectious Diseases | | |  | |  |  | |
| Lyme Disease | | | 37.2 | | 47.3 | 16.3 | |
| Rocky Mountain Spotted Fever (Spotted Fever Rickettsiosis) | | | 5.3 | | 20.3 | 4.5 | |
| Malaria | | | 0 | | 0 | 0.9 | |

Source for Chart A-B: Virginia Department of Health. Office of Epidemiology. Reportable Disease Surveillance

1. **Healthcare Associated Infectious Disease**

|  |  |  |
| --- | --- | --- |
| Healthcare Associated Infections (HAIs), Standardized Infection Ratios (SIRs), 2014 | | |
|  | **VA** | **US** |
| Hospital-onset Clostridium difficile infection (CDI) | 0.99 | 0.92 |
| Hospital-onset methicillin-resistant Staphylococcus | 0.84 | 0.87 |
| Surgical site infections (SSI) following abdominal procedure | 0.81 | 0.83 |
| Surgical site infections (SSI) following colon surgery | 1.02 | 0.98 |
| Catheter-associated urinary tract infections (CAUTI) | 0.97 | 1.00 |
| Central line-associated bloodstream infections (CLA BSI) | 0.39 | 0.50 |

Source: Centers for Disease Control and Prevention (CDC). HAI Progress Report

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Percent of Multi-Drug Resistant HAIs out of those tested by type of bacteria in VA, 2011-14 | | | | |
|  | **2011** | **2012** | **2013** | **2014** |
| Enterobacter spp. MDR | 10.3 | 3.8 | 9.0 | 10.0 |
| Klebsiella spp. MDR | 12.4 | 7.6 | 9.3 | 12.5 |
| E.coli MDR | 2.3 | 3.0 | 5.5 | 5.2 |
| P. aeruginosa MDR | 9.2 | 5.0 | 9.8 | 6.4 |

Source: Centers for Disease Control and Prevention (CDC). Antibiotic Resistance Patient Safety Atlas

1. **Unintentional Injuries**
2. **Injury Hospitalizations**

|  |  |  |
| --- | --- | --- |
| Percent of Injury Hospitalizations by Cause in TJHD, 2003-13 | | |
|  | **Injury**  **(All-intents)** | **Unintentional Injury** |
| Falls | 48.1% | 55.3% |
| Motor Vehicles/Other Transportation | 22.2% | 25.5% |
| Poisoning | 14.2% | 5.3% |
| Other/Unspecified | 5.0% | 4.9% |
| Stuck by, against | 3.2% | 2.7% |
| Cut/Pierce | 1.7% | 1.6% |
| Fire/Flame or Hot Object/Substance | 1.4% | 1.4% |
| Overexertion | 1.2% | 1.0% |
| Firearm | 1.1% | 0.8% |
| Bites/Stings | 0.9% | 0.7% |
| Machinery | 0.6% | 0.4% |
| Drowning/Submersion or Suffocation | 0.4% | 0.3% |

1. **Self-Inflicted and Assault Injuries**

|  |  |
| --- | --- |
| Percent of Self Inflicted injury Hospitalizations by Cause in TJHD, 2003-13 | |
| Poisoning | 92.8% |
| Cut/Pierce | 3.7% |
| Firearm | 2.2%% |

|  |  |
| --- | --- |
| Percent of Assault Related Injury Hospitalizations by Cause in TJHD, 2003-13 | |
| Stuck by, Against | 31.5% |
| Cut/Pierce | 25.6% |
| Other, Unspecified | 22.6% |
| Firearm | 20.4% |

1. **Injury Deaths**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Percent of Injury Deaths by Cause in TJHD, 2003-13 | | | |  |
|  | **Greene** | **Nelson** | **TJHD** | |
| Transportation |  |  | 29.7% | |
| Falls |  |  | 14.7% | |
| Other/Unspecified |  |  | 13.1% | |
| Firearm |  |  | 17.9% | |
| Poisoning |  |  | 12.4% | |
| Suffocation |  |  | 8.5% | |
| Drowning |  |  | 2.0% | |
| Fire/Flame |  |  | 1.8% | |

1. **Hospitalizations due to Falls**

|  |  |  |
| --- | --- | --- |
| Rate of Unintentional Injury Hospitalizations Due to Falls per 100,000 (Age-Adjusted), 3 Year Rolling Averages, 2011-13 | | |
| TJHD All Ages | 198 |  |
| TJHD Adults 65+ | 1,131 |  |
| Virginia All Ages | 200 |  |
| Virginia Adults 65+ | 1,146 |  |

Source for Chart A - D: Virginia Department of Health Online Injury Reporting System

1. **Motor Vehicle Crashes**

|  |  |  |
| --- | --- | --- |
| Motor Vehicle Crashes | | |
|  | **Crashes per 100,000 Population, 2012-14** | **Percent that were Alcohol-Related** |
| Nelson | 1,199 | 10.7% |
| Greene | 1,476 | 6.8% |
| Virginia | 1,476 | 6.7% |

1. **Motor Vehicle Fatalities**

|  |  |  |
| --- | --- | --- |
| Motor Vehicle Fatalities | | |
|  | **Fatalities per 100,000 Population, 2012-14** | **Percent that were Alcohol-Related** |
| Nelson | 29 | 38% |
| Greene | 12 | 28% |
| Virginia | 9 | 33% |

Source for Chart E-F: Virginia Department of Motor Vehicles