

Prepared by: Dr. Kathleen Bush, EPHT Program Manager, DPHS, DHHS

*Note: NH EPHT proposes to include the following measures in Community Profiles that will be developed as part of the current 5-year CDC Funded Environmental Public Health Tracking Grant (2017-2022). Development of these measures is contingent on funding availability, staff time, data availability, and data reliability.*

## **ENVIRONMENTAL EXPOSURES**

### **Demographics / Social Determinants**

- Age
- Children
- Disability
- Educational attainment
- Elderly
- Elderly Living Alone
- English Proficiency
- Ethnicity
- Foreign Born
- Income
- Poverty
- Race
- Single Parent
- Unemployment

### **Geography / Neighborhood / Built Environment**

- Total Area
- Total Population (age, gender, race)
- Land Use
- Percent Green Space
- Percent Impervious Surface
- Retail environment
- Violence
- Walkability

### **Air Quality**

*Based on EPA Data (include NH DES Data where possible)*

*Pollutants of Interest: SO<sub>2</sub>, CO, NO<sub>x</sub>, O<sub>3</sub>, Pb, PM & Air Toxics*

- Annual/monthly average PM<sub>2.5</sub> concentration
- Annual/monthly average ozone concentration
- Number of days where PM<sub>2.5</sub> exceeded standard per year
- Number of days where 8-hour ozone exceeded standard per year

### **Drinking Water Quality**

*Public Water Systems*

*Contaminants of Interest: Arsenic, Atrazine, DEHP, Disinfection Byproducts, Lead, Nitrates, PCE, TCE, Uranium*

- Number of people served by each system
- Average concentration by type of water source per year

*Private Wells*

*Contaminants of Interest: Arsenic, Fluoride, Manganese, Nitrate, Nitrite, Uranium, MtBE*

- Percent of homes with any water test
- Number of Wells Tested
- Percent of Wells exceeding standard
- Median concentration of wells tested
- 95<sup>th</sup> Percentile of wells tested

**Hazardous Waste Sites**

- Aboveground Storage Tank
- Underground Storage Tank
- Asbestos Disposal Site
- Groundwater Discharge Site
- Hazardous Waste Generator
- NPDES Outfalls
- Permitted Air Facility System
- Remediation Site
- Solid Waste Facility

**Radon**

- Percent of adults who tested current home
- Percent of adults with elevated radon test
- Number of homes tested
- Percent of tests exceeding standard

**HEALTH BEHAVIORS AND OUTCOMES**

**Health Care**

- Access to health care
- Prevention and screening

**Healthy Living (Behavioral Health)**

- Self-reported Health Status
- Smoking, diet and physical activity
- Obesity and diabetes
- Substance use
- Psychiatric hospitalizations

**Birth Outcomes**

- Infant mortality
- Low Birth Weight
- Preterm Birth
- Teen Births

**Cancer (Incidence and/or Mortality)**

- Bladder
- Breast
- Colorectal
- Kidney and Renal
- Liver
- Lung
- Melanoma of the Skin
- Prostate
- Pancreas
- Thyroid
- Uterus

**Childhood Lead Poisoning**

- Lead Screening Rate for Children <6
- Blood Lead Poisoning Rate (BLL  $\geq$ 10 ug/dL per 1,000)
- Blood Lead Elevation Rate (BLL  $\geq$ 5 ug/dL per 1,000)
- Housing built before 1978

**Hospitalizations / ED Visits / Deaths**

- Age-adjusted rate for Asthma visits by Gender
- Age-adjusted rate of COPD visits by Gender
- Age-adjusted rate for Diabetes visits by Gender
- Age-adjusted rate for Heart Attack (AMI) visits by Gender
- Age-adjusted rate for Stroke visits by Gender
- Age-adjusted rate for heat-related Hospitalizations/ED Visits
- Age-adjusted rate for cold-related Hospitalizations/ED Visits
- Age-adjusted rate for carbon monoxide Hospitalizations/ED Visits

**Overall Health**

- Life Expectancy
- Premature death (death before age 65)
- Leading Causes of Death
- Leading Causes of Hospitalization