

**STATE ENVIRONMENTAL HEALTH INDICATORS COLLABORATIVE (SEHIC)
CLIMATE CHANGE INDICATORS**

Indicator: CC4: Vector borne diseases

Measure(s): CC4.2: Annual number and rate of human cases of West Nile virus

MEASURE DESCRIPTION

CC4.2: Annual number and rate of human cases of West Nile virus	
Last updated:	August 17, 2008
Measurement units:	Number and rate per 100,000 population
Geographic scale:	Statewide
Time scale:	Annual, 1999-2005
Significance/background:	
Rationale:	
Limitations:	Annual counts for many states are too small for producing stable rate calculations. Other options for presenting rates are to combine years or states (for example, by region).
Data resources:	CDC Wonder Morbidity and Mortality Weekly Report: http://wonder.cdc.gov/mmwr/mmwr morb.asp
Data limitations:	
Related data:	
Related SEHIC measures:	
Related indicators (from other projects):	
Recommendations:	

HOW-TO GUIDE: CC4.2 Annual number and rate of human cases of West Nile virus

Obtain Data from the CDC Wonder Website:

1. Go to the CDC Wonder web site: <http://wonder.cdc.gov/mmwr/mmwr morb.asp>
2. On this first screen, select the last week of the year of interest. For example, week 52 for 2007.
3. On the next screen, select **Table II (part 9)**. This is the section of the Report that contains West Nile virus data. Click **Submit**.
4. The next screen contains the results of the query. Note that the results are shown for neuroinvasive and non-neuroinvasive cases. Locate the columns labelled **Cum 2007** and note the counts for the row corresponding to your state. This is the total count of cases for 2007. The total for the previous year is also included in this table.
5. To obtain an annual rate per 100,000 population for your state, divide the total count by the total population of your state for the same year. <put source of pop data>