

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

Indicator: CC1: Heat related health outcomes

Measure(s): CC1.1: Annual number and rate of heat related deaths

MEASURE DESCRIPTION

CC1.1: Annual number and rate of heat related deaths	
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:	
Data resources:	CDC Wonder compressed mortality files: http://wonder.cdc.gov/cmfi-icd10.html
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).
Related indicators (from other projects):	
Recommendations:	

HOW-TO GUIDE: CC1.1 Annual number and rate of heat related deaths

Obtain Data from the CDC Wonder Website:

1. Go to the CDC Wonder web site: <http://wonder.cdc.gov/cmfi-icd10.html>
2. Make the following selections in the series of drop down menus:
 - For item #1, select **Year** in the first drop down box for the **Group Results By** option.
 - For #2, choose **States** as the location and then select your state from the menu.
 - For #3, choose the **All** options for AgeGroup, Year, Gender, Race and Urbanization (this should be the default already selected).
 - For #4, click the button for ICD-10 codes and then click on **V01-Y89** and **Open Fully** to choose **X30 (Exposure to excessive natural heat - hyperthermia)** from the drop down menu.
 - For #5, leave **All Causes of Death** selected for Injury Intent and Injury Mechanism.
 - For #6, choose **Rates per 100,000** and **No age-adjusted rates**.
 - For #7, select the first box to **Export Results**, **Show Totals** and **Show Zero Values** should be selected, and choose a precision of **2 decimal places**.
3. Click on **Send** at the bottom of the screen after you have made all the selections above.
4. When the File Download box appears, click on **Save** and save this text (.txt) file to your computer.
5. To open the file, go to the folder where you saved the file, right click on the file name, go to Open With and choose Microsoft Excel.