

**Numerical Analysis Assignment**  
**AIDS and Other Human Diseases**  
**Intd 215**  
**Due – Tuesday, September 23, 2003**

Use the numerical data given to you on numbers of people living with HIV/AIDS and number of deaths from HIV/AIDS in 2002 to answer the following questions. You will need to determine what information you will need to extract from the data to answer these questions. This will involve doing some calculations to determine parameters not presented directly in the data.

1. Incidence: Where in the world is the HIV/AIDS pandemic spreading the most in 2002 in terms of absolute numbers? percentage-wise? Calculate values for each region of the world in answering this question. Give one possible explanation for the region(s) of the world seeing the greatest increase in AIDS cases.
2. Percentage of Deaths: Determine the percentage of people living with AIDS who have died from AIDS in 2002 in each region of the world. Calculate values for each region of the world in answering this question. What explanation can you give for why these regions of the world are experiencing the highest percentage of deaths?

**Homework**

Show and report your calculations for the top five regions of the world for each question. Each exercise has a question at the end. Write the answer to each question in your assignment.

Build a bar graph that illustrates your percentage data for the top five regions of the world for each question. You may use any graphing program such as Excel or Kalaidegraph to do this. We have Excel on the chemistry department computers in Science 302A. If you have questions, please ask me.