<table>
<thead>
<tr>
<th>Name and address…</th>
<th>What it does…</th>
<th>Something to try…</th>
</tr>
</thead>
</table>
| **Healthcare Cost and Utilization Project**  
http://www.hcup-us.ahrq.gov/home.jsp  
**HCUPnet** is a free, on-line query system based on data from the HCUP.  
http://hcupnet.ahrq.gov/  
HCUP includes the largest collection of longitudinal hospital care data in the United States, with all-payer, encounter-level information beginning in 1988.  
- The Nationwide Inpatient Sample (NIS) with inpatient data from a national sample of over 1,000 hospitals.  
- The Kids' Inpatient Database (KID) is a nationwide sample of pediatric inpatient discharges.  
- The State Inpatient Databases (SID) contain the universe of inpatient discharge abstracts from participating states.  
- The State Ambulatory Surgery Databases (SASD) contain data from ambulatory care encounters from hospital-affiliated and sometimes freestanding ambulatory surgery sites.  
- The State Emergency Department Databases (SEDD) contain data from hospital-affiliated emergency departments for visits that do not result in hospitalizations.  
On the HCUP site, click on “Technical Assistance” (far right) and then take the “Online H-CUP Overview Course.”  
On the HCUPnet (there’s a link to this on the right side of the HCUP site) - try this:  
1. State Statistics  
2. Researcher  
3. Statistics on Specific Diagnoses  
4. New Hampshire 2003  
5. Diagnoses grouped by Clinical Classifications Software  
6. Principal diagnosis  
7. Pick a disease and then hit the NEXT button  
8. Select outcomes and then hit the NEXT button  
9. Select patient characteristics and then hit the NEXT button |
| **World Health Organization Statistical Information System - WHOSIS**  
http://www.who.int/whosis/  
WHOSIS database : includes data from World Health Statistics and The World Health Report  
These are the latest Core Health Indicators from WHO sources, including 'World Health Statistics' and 'The World Health Report'. With this query system, you can construct tables for any combination of countries, indicators and years.  
Causes of Death database -- Causes of death by country, year, sex, cause and age group.  
WHO Global InfoBase Online -- Chronic diseases and their risk factors.  
Global Health Atlas -- Data & statistics for infectious diseases at country, regional, and global levels.  
Reproductive Health Indicators database  
Click on: “Query the online database”  
1. Click the check-box for “WHO African Region”  
2. On a PC, control-click USA to add it, or on a Mac, command-click  
3. In the “Indicators” box, scroll down down and down until you get to the “Health Systems…” area and click on “Dentists density”’  
4. Scroll down until you see the “Demographic and Socioeconomic Statistics” area  
5. Command or control-click on “Population in Thousands”  
6. Click the SUBMIT button down below |
| U.S. Census | Using American FactFinder you can obtain data in the form of maps, tables, and reports from a variety of Census Bureau sources. | From American FactFinder (on the left, dark blue) - how many girls under 5 years old are there in Grafton County? 1. Click on “get data” under “American Community Survey” 2. Detailed Tables (it’s on the right…) 3. Select County (and then wait 2 seconds) 4. Select New Hampshire (wait a sec) 5. Select Grafton 6. Click on ADD, then click on NEXT 7. Select “Sex by age” 8. Click on ADD, then SHOW RESULT |
| American Fact Finder |  | |
|  | http://www.census.gov/ |  |
| http://factfinder.census.gov |  |  |

<p>| | | |
|  |  |  |
| <a href="http://www.cdc.gov/nchs/">http://www.cdc.gov/nchs/</a> |  |  |</p>
<table>
<thead>
<tr>
<th><strong>CDC Wonder</strong></th>
<th><strong>Dartmouth Atlas</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>CDC Wonder</strong></td>
<td><strong>Dartmouth Atlas</strong></td>
</tr>
<tr>
<td><strong>WONDER online databases utilize a rich ad-hoc query system for the analysis of public health data. Reports and other query systems are also available</strong></td>
<td><strong>The Dartmouth Atlas Project works to accurately describe how medical resources are distributed and used in the United States. The project offers comprehensive information and analysis about national, regional, and local markets, as well as individual hospitals and their affiliated physicians, in order to provide a basis for improving health and health systems. Through this analysis, the project has demonstrated glaring variations in how health care is delivered across the United States. The project is run by The Dartmouth Institute for Health Policy and Clinical Practice (TDI).</strong></td>
</tr>
</tbody>
</table>
| 1. Click on “Online Tuberculosis…”  
2. “Data request” (under Current Tuberculosis Case Reports)  
3. Group Results by Disease Site, and (in the next search-box…) by Sex  
4. Select Vermont, and “All Years”  
5. Click any “Send” button. Wait.  
6. Click on the “Chart” tab available | 1. Benchmarking (dark blue, on the left)  
2. Select “Hospitals” under “Provider-based rates for chronically ill patients”  
3. Click the NEXT button  
4. Under “Utilization” click “ICU days…” and then select “During the last 6 months of life”  
5. Click the NEXT button  
6. Click “National Average”  
7. Click the NEXT button  
8. Click “State Average” under New Hampshire and also “State Average” under Texas  
9. Click the NEXT button |

1. Let’s do another one!  
2. Get back to the Wonder home-page.  

1. Click on the Topics tab  
2. Click on “Cancer Incidence”  
3. Click on United States Cancer Statistics  
4. “Selected Cancers Ranked by State”  
5. Pick a cancer; click on “Go”  

1. Let’s do another one!  
2. Get back to the Wonder home-page.  

1. Vaccine Adverse Event Reporting  
2. Group results by Onset Interval, and Gender  
3. All Symptoms  
4. Flu Vaccine  
5. Click any “Send” button. Wait  
6. Click on the “Chart” tab  

National Cancer Institute – Cancer Statistics

http://www.cancer.gov/statistics/

State Cancer Profiles
Interactive graphics and maps provide quick and easy access to cancer statistics at the national, state and county level. Statistics are displayed by geographic region, race/ethnicity, cancer site, age, and sex. Statistics: Incidence and mortality by geographic region.

Cancer Stat Fact Sheets
A collection of printable statistical summaries for a number of common cancer types
Statistics: Incidence, mortality, survival and stage, prevalence, and the probability of developing or dying from cancer

Fast Stats
Links to tables, charts, and graphs of cancer statistics for all major cancer sites by age, sex, race, and geographic area.
Statistics: Incidence, mortality, survival and stage, prevalence, and the probability of developing or dying from cancer

SEER Cancer Statistics Review, 1975-2004
Search for pages in the CSR by specifying Statistic Type, Cancer Site, and Race/Ethnicity. From a list of pages that meet your criteria, you will be able to view individual pages or merge pages into one custom-built PDF. Statistics: Incidence, mortality, survival, prevalence, and lifetime risk statistics for the time period 1975-2004

Cancer Mortality Maps & Graphs
Interactive mortality charts and graphs, including rates by cancer, 5-year rates over time, and rates by state. Statistics: Trends of mortality rates for the time period 1950-1994

Cancer Control PLANET
Cancer Control PLANET is a public-private effort among NCI, the Centers for Disease Control and Prevention (CDC), the Substance Abuse and Mental Health Services Administration, and the American Cancer Society. It contains Web-based tools for health educators and health practitioners. The PLANET (Plan, Link, Act, Network with Evidence-based Tools) portal brings together new evidence-based tools that can help communities to better understand and address their cancer burden.

1. SEER Cancer Statistics Review
2. Search the CSR
3. Survival
4. Pancreas
5. Any race/ethnicity – and then “Search”
6. Click on the link just to the left of “Summary of Changes in Cancer Mortality and 5-Year Relative Survival Rates 1950-2004. This brings up a PDF.

Let’s do another one.

1. FASTATS
2. Melanoma of the Skin
3. Click the “Go” button
4. Explore. Click. Play

Let’s do another one.

1. Click on “Finding Cancer Statistics” or the “More” link at the bottom of that section. They both go to the same place.
2. Click on “Cancer Epidemiology in Older Adolescents and Young Adults 15 to 29 Years of Age,” which leads to a PDF

Let’s do another one.

1. Click on “Finding Cancer Statistics” or the “More” link at the bottom of that section. They both go to the same place.
2. Scroll down to the “Interactive Internet Sites” section.
3. Click on Cancer Stats Fact Sheets
4. Pick a Cancer of interest
<table>
<thead>
<tr>
<th>Web-based Injury Statistics Query and Reporting System – WISQARS</th>
<th>WISQARS (Web-based Injury Statistics Query and Reporting System) is an interactive database system that provides customized reports of injury-related data.</th>
</tr>
</thead>
</table>
2. Click on “Injury Maps”
3. Click the green “Go” button next to “Create State Map”
4. In the form, make the state be VERMONT
5. Check the box for “Select all”
6. Click the blue arrow to make a map
7. Back up and do the same for Louisiana or Texas or Alaska or wherever…

Let’s do another one; get back to the WISQARS home-page |
| Center for Studying Health System Change | The mission of the Center for Studying Health System Change (HSC) is to inform policy makers and private decision makers about how local and national changes in the financing and delivery of health care affect people. HSC strives to provide high-quality, timely and objective research and analysis that leads to sound policy decisions, with the ultimate goal of improving the health of the American public.

The Center for Studying Health System Change (HSC) is a nonpartisan policy research organization located in Washington, D.C. HSC designs and conducts studies focused on the U.S. health care system to inform the thinking and decisions of policy makers in government and private industry. In addition to this applied use, HSC studies contribute more broadly to the body of health care policy research that enables decision makers to understand change and the national and local market forces driving that change. |
| http://hschange.org/ | 1. In the “Hot Issues” box (on the right), click on “Health Information Technology”
2. Click on “Data Bulletin No. 34” which is under “Variation in Clinical IT Across Physician Specialties”

Let’s do another one; get back to the home-page |

1. Fatal Injury Reports
2. Data from 1999 and later.
3. Select “suicide” from the “Intent or manner of the injury”
4. Select “New Hampshire” in section #3, and then “Submit…” |
| **HealthMap** |
| http://www.healthmap.org/en |
| HealthMap brings together disparate data sources to achieve a unified and comprehensive view of the current global state of infectious diseases and their effect on human and animal health. This freely available Web site integrates outbreak data of varying reliability, ranging from news sources (such as Google News) to curated personal accounts (such as ProMED) to validated official alerts (such as World Health Organization). Through an automated text processing system, the data is aggregated by disease and displayed by location for user-friendly access to the original alert. HealthMap provides a jumping-off point for real-time information on emerging infectious diseases and has particular interest for public health officials and international travelers. |
| When you first get there, it’s a bit overwhelming, so click “None” in the “Diseases, Last 30 Days” box. Then click Salmonella or Diarrhea and play with this interesting “Mashup” using Google-Maps and various “feeds…” |

| **DHMC Quality Reports** |
| http://tinyurl.com/2nmvtq |
| Good information helps you make good decisions about your health and health care. In this section we report accurate and honest information about the quality of the care we provide at DHMC. These results show you how well we do in some key areas. |
| We compare our performance whenever possible. We count the number of procedures or type of care occurring in the hospital during a specific time period. Research shows us that for some procedures and types of care, hospitals that do a certain number are more likely to have better outcomes. The minimum number is based on research from the Leapfrog Group, whose goal is to increase the safety, quality and affordability of healthcare. |
| 1. Hip Replacement Surgery  
2. Stopping preventive antibiotics  
Let’s do another one; get back to the Quality Reports page.  
1. Average Healthcare Charges (it’s in the lower-right…)  
2. Surgeries, Procedures, Medical Conditions  
3. Family Planning |
<table>
<thead>
<tr>
<th><strong>Pubmed (Medline)</strong></th>
<th><strong>Ovid (Medline)</strong></th>
<th><strong>Gapminder</strong></th>
<th><strong>Selected Health Statistics Resources</strong></th>
</tr>
</thead>
</table>
| [Pubmed](http://www.dartmouth.edu/~biomed) and click on Pubmed | [Ovid](http://www.dartmouth.edu/~biomed) and click on Ovid | [Gapminder](http://www.gapminder.org/) | **Pubmed (Medline)**
16 million references to published articles. Some, obviously, will have statistical information. They will be indexed in marvelous ways so that you can find what you need. For example, if you “explode” Vital Statistics, you’ll get articles on Life Expectancy, Life Tables, Morbidity, Mortality. If you “explode” Costs & Cost Analysis, you’ll get Cost allocation, cost-benefit analysis, cost control cost of illness, cost sharing, health care costs, health expenditures, etc.
Subheadings (aspects of the MeSH term) are used to fine-tune a Medline search. Consider: “statistics and numerical data,” “trends,” “epidemiology,” “mortality”

**Gapminder**
Gapminder is a non-profit venture for development and provision of free software that visualise human development. This is done in collaboration with universities, UN organisations, public agencies and non-governmental organisations.

**Gapminder World 2006**
This website, powered by Trendalyzer, enables you to explore the changing world from your own computer. Moving graphics show how the development of all countries by the indicators you choose.

**Monday, 05 November 2007**
Last week, the Swedish Society of Medicine (Svenska Läkaresällskapet) announced that the Jubilee Prize for 2007 will be awarded to Hans Rosling, the founder and director of Gapminder, for his "his national and international achievements in clinical sciences and his impressive work to make global health understandable".

The Swedish Society of Medicine is the scientific

**Consider using one or more of these in your Pubmed or Ovid search, as subheadings:**
- Statistics & numerical data
- Trends
- Epidemiology
- Mortality
- Ethnology
- Utilization
- Economics
- Supply and distribution

This can be tricky. Call 650-7660 for help. Or email: biomed.reference@dartmouth.edu

**Watch these two videos of recent “TED” talks by Hans Rosling:**

**Gapminder Exploration**
- There’s a tutorial, upper left
- Notice the “Play” button
- You can pick certain countries, on the right
- Notice the tiny “expanding” triangles on the X-axis and the Y-axis
- If you select a country (or countries), there’s suddenly a slider-bar below the countries box which controls the displayed opacity of the non-selected countries.
| The AAMC Center for Workforce Studies has released the "2007 State Physician Workforce Data Book." This updated and expanded report examines the active physician supply in each state, current medical school enrollment, physicians in graduate medical education programs, and in-state retention rates. The report includes charts and tables showing data for all 50 states, in addition to national averages. The report is available for free online:  
|---|
| AAMC Data Book (Dana and Matthews-Fuller Reference: R/735/.A1/A12) Medical Schools and Teaching Hospitals by the Numbers  
The AAMC Data Book, a statistical abstract of U.S. medical schools and teaching hospitals, includes current and historical data on a comprehensive list of topics including: Applicants and Students, Faculty, Medical School Revenue, Tuition and Financial Aid, Graduate Medical Education, Teaching Hospitals, Faculty Compensation, Physicians, Biomedical Research, and reference data such as Price Indices.  
The AAMC Databook answers your questions about:  
* Accredited Medical Schools  
* Medical School Applicants and Students  
* Medical School Faculty  
* Financing Medical Schools  
* Graduate Medical Education  
* Teaching Hospitals  
* Health Care Financing  
* Biomedical Research  
* Physician Services  
* Faculty and Physician Compensation  
* General/Historical Price Indices  
* Census Data  
* Table of Contents |
| Health Care State Rankings 2007 (Dana Reference RA/407.3/.H423)  
(ISBN 978-0-7401-1713-8) Published March 2007 $59.95  
"This cohesive, comprehensive work fills a gap in the literature -- a recommended addition to the reference collection of any academic or public library" Library Journal  
The 15th edition of this popular reference book compares the 50 United States in hundreds of health-related categories. In addition to announcing which is 2007's "Healthiest State," Health Care State Rankings 2007 highlights health and wellness data for each state, along with regional and national averages. The new edition includes 25 categories of data about the health of Americans.  
Care State Rankings 2007 provides statistics on health care facilities, providers, insurance and finance, disease, mortality, physical fitness, natality and reproductive health. Its 517 tables of state health comparisons are easy to use and understand. 552 pages; $59.95 (paper) $6.00 s/h per order. expenses per capita by state. Purchase the book or a combination of the book and CD-ROM containing each of the 8 tables in Microsoft® Excel format.