



# List of Data Sources

## METRIC DESCRIPTIONS SECTION

### 2-2. Expenditures for Total R&D Performed per \$1,000 of GSP: 2001

#### **Expenditures for Total R&D Performed:**

Total R&D 2001 was compiled by the National Science Foundation, Division of Science Resources Statistics <<http://www.nsf.gov/sbe/srs/>>. The data will be available in the next edition of the report, *National Patterns of Research and Development Resources: 2003*, which is expected to be released during the first quarter of 2004.

#### **Gross State Product:**

U.S. Department of Commerce, Bureau of Economic Analysis. (2003, May). Gross State Product: 2001. <<http://www.bea.gov/beat/regional/gsp/>> (2003, June 3).

### 2-4. Expenditures for Industry-performed R&D per \$1,000 of GSP: 2001

#### **Expenditures for Industry-performed R&D:**

Industry R&D was collected and compiled by the National Science Foundation, Division of Science Resources Statistics <<http://www.nsf.gov/sbe/srs/>>, Survey of Industrial Research and Development: 2001. The data will be available online in the report, *Research and Development in Industry: 2001, Table A-30*, which is expected to be released during the second quarter of 2004.

#### **Gross State Product:**

U.S. Department of Commerce, Bureau of Economic Analysis. (2003, May). Gross State Product: 2001. <<http://www.bea.gov/beat/regional/gsp/>> (2003, June 3).

### 2-6. Expenditures for Federally Performed R&D per \$1,000 of GSP: 2001

#### **Expenditures for Federally Performed R&D:**

Federal R&D was collected and compiled by the National Science Foundation, Division of Science Resources Statistics <<http://www.nsf.gov/sbe/srs/>>, Survey of Federal Funds for Research and Development: Fiscal Years 2001, 2002, and 2003. The data will be available online in the report, *Federal Funds for Research and Development: Fiscal Years 2001, 2002, and 2003*, which is expected to be released during the second quarter of 2004.

#### **Gross State Product:**

U.S. Department of Commerce, Bureau of Economic Analysis. (2003, May). Gross State Product: 2001. <<http://www.bea.gov/beat/regional/gsp/>> (2003, June 3);

Puerto Rico Planning Board, Program of Economic and Social Planning. *Appendix Statistics: Table 1—Selected Series of Income and Product, Total and Per Capita*. <<http://www.jp.gobierno.pr/>>. (2003, October 2).

### 2-8. Expenditures for University-performed R&D per \$1,000 of GSP: 2001

#### **Expenditures for University-performed R&D:**

National Science Foundation, Division of Science Resources Statistics. *Academic Research and Development Expenditures: Fiscal Year 2001*, NSF 03-316, Project Officer, M. Marge Machen (Arlington, VA 2003).

#### **Gross State Product:**

U.S. Department of Commerce, Bureau of Economic Analysis. (2003, May). Gross State Product: 2001. <<http://www.bea.gov/beat/regional/gsp/>> (2003, June 3);

Puerto Rico Planning Board, Program of Economic and Social Planning. *Appendix Statistics: Table 1—Selected Series of Income and Product, Total and Per Capita*. <<http://www.jp.gobierno.pr/>>. (2003, October 2).

### 2-10. Federal Obligations for R&D per \$1,000 of GSP: 2001

#### **Federal Obligations for R&D:**

Federal R&D was collected and compiled by the National Science Foundation, Division of Science Resources Statistics <<http://www.nsf.gov/sbe/srs/>>, Survey of Federal Funds for Research and Development: Fiscal Years 2001, 2002, and 2003. The data will be available online in the report, *Federal Funds for Research and Development: Fiscal Years 2001, 2002, and 2003*, which is expected to be released during the second quarter of 2004.

#### **Gross State Product:**

U.S. Department of Commerce, Bureau of Economic Analysis. (2003, May). Gross State Product: 2001. <<http://www.bea.gov/beat/regional/gsp/>> (2003, June 3);

Puerto Rico Planning Board, Program of Economic and Social Planning. *Appendix Statistics: Table 1—Selected Series of Income and Product, Total and Per Capita*. <<http://www.jp.gobierno.pr/>>. (2003, October 2).

### 2-12. Average Annual Number of SBIR Awards per 10,000 Business Establishments: 2000–2002

#### **SBIR Awards Granted:**

Small Business Administration. *2000 SBIR State Chart*. <<http://www.sba.gov/sbir/indexsbir-str-sbir2000chart.html>> (2003, October 6);

Small Business Administration. *2001 SBIR State Chart*. <<http://www.sba.gov/sbir/2001SBIRStateChart.pdf>> (2003, October 6);

Small Business Administration. *2002 SBIR State Chart*. <<http://www.sba.gov/sbir/2002SBIRStateChart.pdf>> (2003, November 3).

#### **Establishments:**

U.S. Census Bureau. *County Business Patterns—United States: 2001*. (2003, April). <<http://www.census.gov/prod/2003pubs/01cbp/cbp01-1.pdf>> (2003, October 6);

U.S. Census Bureau. *County Business Patterns—Puerto Rico: 2001*. (2003, May). <<http://www.census.gov/prod/2003pubs/01cbp/cbp01-53.pdf>> (2003, October 6).

## 2-14. Average Annual SBIR Award Dollars per \$1,000 of GSP: 2000-2002

### **SBIR Award Dollars Granted:**

Small Business Administration. *2000 SBIR State Chart*. <<http://www.sba.gov/sbir/indexsbir-sttr-sbir2000chart.html>> (2003, October 6);

Small Business Administration. *2001 SBIR State Chart*. <<http://www.sba.gov/sbir/2001SBIRStateChart.pdf>> (2003, October 6);

Small Business Administration. *2002 SBIR State Chart*. <<http://www.sba.gov/sbir/2002SBIRStateChart.pdf>> (2003, November 3).

### **Gross State Product:**

U.S. Department of Commerce, Bureau of Economic Analysis. (2003, May). *Gross State Product: 2001*. <<http://www.bea.gov/bea/regional/gsp/>> (2003, June 3);

Puerto Rico Planning Board, Program of Economic and Social Planning. *Appendix Statistics: Table 1—Selected Series of Income and Product, Total and Per Capita*. <<http://www.jp.gobierno.pr>>. (2003, October 2).

## 2-16. Average Annual Number of STTR Awards per 10,000 Business Establishments: 2000-2002

### **STTR Awards Granted:**

Small Business Administration. *2000 STTR State Chart*. <<http://www.sba.gov/sbir/indexsbir-sttr-sttr00chart.html>> (2003, October 6);

Small Business Administration. *2001 STTR State Chart*. <<http://www.sba.gov/sbir/2001STTRStateChart.pdf>> (2003, October 6);

Small Business Administration. *2002 STTR State Chart*. <<http://www.sba.gov/sbir/FY2002STTRStateChart.pdf>> (2003, October 6).

### **Establishments:**

U.S. Census Bureau. *County Business Patterns—United States: 2001*. (2003, April). <<http://www.census.gov/prod/2003pubs/01cbp/cbp01-1.pdf>> (2003, October 6);

U.S. Census Bureau. *County Business Patterns—Puerto Rico: 2001*. (2003, May). <<http://www.census.gov/prod/2003pubs/01cbp/cbp01-53.pdf>> (2003, October 6).

## 2-18. Average Annual STTR Award Dollars per \$1,000 of GSP: 2000-2002

### **STTR Award Dollars Granted:**

Small Business Administration. *2000 STTR State Chart*. <<http://www.sba.gov/sbir/indexsbir-sttr-sttr00chart.html>> (2003, October 6);

Small Business Administration. *2001 STTR State Chart*. <<http://www.sba.gov/sbir/2001STTRStateChart.pdf>> (2003, October 6);

Small Business Administration. *2002 STTR State Chart*. <<http://www.sba.gov/sbir/FY2002STTRStateChart.pdf>> (2003, October 6).

### **Gross State Product:**

U.S. Department of Commerce, Bureau of Economic Analysis. (2003, May). *Gross State Product: 2001*. <<http://www.bea.gov/bea/regional/gsp/>> (2003, June 3);

Puerto Rico Planning Board, Program of Economic and Social Planning. *Appendix Statistics: Table 1—Selected Series of Income and Product, Total and Per Capita*. <<http://www.jp.gobierno.pr>>. (2003, October 2).

## 2-20. National Assessment of Educational Progress (NAEP) in Math Average State Test Scores: 2000

### **NAEP Math Test Scores:**

U.S. Department of Education, National Center for Education Statistics. (2001, August). *The Nation's Report Card: Mathematics 2000*, NCES 2001-517, by J.S. Braswell, et. al. <<http://www.nces.ed.gov/nationsreportcard/mathematics/>> (2002, December 30).

## 2-22. Percent of the Population that has Completed High School: 2002

### **High School Completion:**

U.S. Census Bureau. (2003, March 21). *Educational Attainment of the Population 25 Years and Over, By State, Including Confidence Intervals of Estimates: March 2002*. <<http://www.census.gov/population/socdemo/education/pp1-169/tab13.pdf>> (2003, June 3).

## 2-24. Percent of the Population with a Bachelor's Degree: 2002

### **Population with Bachelor's Degrees:**

U.S. Census Bureau. (2003, March 21). *Educational Attainment of the Population 25 Years and Over, By State, Including Confidence Intervals of Estimates: March 2002*. <<http://www.census.gov/population/socdemo/education/pp1-169/tab13.pdf>> (2003, June 3).

## 2-26. Associate's Degrees Granted as a Percent of the 18-24 Year Old Population: 2000-2001

### **Associate's Degrees Granted:**

U.S. Department of Education, National Center for Education Statistics. (2003, June). *Digest of Education Statistics 2002*, NCES 2003-060, by Thomas D. Snyder, et.al. <<http://www.nces.ed.gov/pubs2003/digest02/>> (2003, June 24).

### **Population, 18-24 Years Old:**

U.S. Census Bureau, Population Division. *State Estimates by Demographic Characteristics—Single Year of Age, Sex, Race, and Hispanic Origin*. <<http://eire.census.gov/popest/data/states/files/STCH-6R.txt>> (2003, October 31);

The 2001 population 18-24 years old for the Commonwealth of Puerto Rico was provided by the Population Division of the U.S. Census Bureau on October 8, 2003 per a special request from Taratec Corporation, Columbus, Ohio.

## 2-28. Bachelor's Degrees Granted as a Percent of the 18–24 Year Old Population: 2000–2001

### **Bachelor's Degrees Granted:**

U.S. Department of Education, National Center for Education Statistics. (2003, June). *Digest of Education Statistics 2002*, NCES 2003-060, by Thomas D. Snyder, et.al. <<http://www.nces.ed.gov/pubs2003/digest02/>> (2003, June 24).

### **Population, 18–24 Years Old:**

U.S. Census Bureau, Population Division. State Estimates by Demographic Characteristics—Single Year of Age, Sex, Race, and Hispanic Origin. <<http://eire.census.gov/popest/data/states/files/STCH-6R.txt>> (2003, October 31);

The 2001 population 18–24 years old for the Commonwealth of Puerto Rico was provided by the Population Division of the U.S. Census Bureau on October 8, 2003 per a special request from Taratec Corporation, Columbus, Ohio.

## 2-30. Percent of Bachelor's Degrees Granted in Science and Engineering: 2000–2001

### **Science and Engineering Bachelor's Degrees Granted:**

Arrangements for special tabulations were made by Thomas Snyder, Program Director, Annual Reports Program-ECICSD, National Center for Education Statistics at (202) 502-7452 on July 23, 2003 per a special request from Taratec Corporation, Columbus, Ohio.

### **Bachelor's Degrees Granted:**

U.S. Department of Education, National Center for Education Statistics. (2003, June). *Digest of Education Statistics 2002*, NCES 2003-060, by Thomas D. Snyder, et.al. <<http://www.nces.ed.gov/pubs2003/digest02/>> (2003, June 24).

## 2-32. Science and Engineering Graduate Students as a Percent of the 18–24 Year Old Population: 2001

### **Science and Engineering Graduate Students:**

National Science Foundation, Division of Science Resources Statistics. *Graduate Students and Postdoctorates in Science and Engineering: Fall 2001*, NSF 03-320, Project Officer, Joan S. Burrelli (Arlington, VA 2003).

### **Population, 18–24 Years Old:**

U.S. Census Bureau, Population Division. State Estimates by Demographic Characteristics—Single Year of Age, Sex, Race, and Hispanic Origin. <<http://eire.census.gov/popest/data/states/files/STCH-6R.txt>> (2003, October 31);

The 2001 population 18–24 years old for the Commonwealth of Puerto Rico was provided by the Population Division of the U.S. Census Bureau on October 8, 2003 per a special request from Taratec Corporation, Columbus, Ohio.

## 2-34. Computer Specialists Employed per 10,000 Civilian Workers: 2001

### **Computer Specialists:**

U.S. Department of Labor, Bureau of Labor Statistics. 2001 State Occupational Employment and Wage Estimates. <<http://www.bls.gov/oes/2001/oesrcst.htm>> (2003, January 8).

### **Civilian Labor Force:**

U.S. Department of Labor, Bureau of Labor Statistics. Local Area Unemployment Statistics (not seasonally adjusted). <<http://data.bls.gov/labjava/outside.jsp?survey=la>> (2003, March 27).

## 2-36. Life and Physical Scientists Employed per 10,000 Civilian Workers: 2001

### **Life and Physical Scientists:**

U.S. Department of Labor, Bureau of Labor Statistics. 2001 State Occupational Employment and Wage Estimates. <<http://www.bls.gov/oes/2001/oesrcst.htm>> (2003, January 8).

### **Civilian Labor Force:**

U.S. Department of Labor, Bureau of Labor Statistics. Local Area Unemployment Statistics (not seasonally adjusted). <<http://data.bls.gov/labjava/outside.jsp?survey=la>> (2003, March 27).

## 2-38. Engineers Employed per 10,000 Civilian Workers: 2001

### **Engineers:**

U.S. Department of Labor, Bureau of Labor Statistics. 2001 State Occupational Employment and Wage Estimates. <<http://www.bls.gov/oes/2001/oesrcst.htm>> (2003, January 8).

### **Civilian Labor Force:**

U.S. Department of Labor, Bureau of Labor Statistics. Local Area Unemployment Statistics (not seasonally adjusted). <<http://data.bls.gov/labjava/outside.jsp?survey=la>> (2003, March 27).

## 2-40. Persons with a Recent Bachelor's Degree in Science or Engineering per 10,000 Civilian Workers: 2001

### **Recent Science and Engineering Bachelor's Degrees:**

Arrangements for the special tabulation of the 2001 National Survey of Recent College Graduates were made by Nirmala Kannankutty, Analyst, Division of Science Resources Statistics, National Science Foundation (nkannank@nsf.gov) on June 25, 2003 per a special request from Taratec Corporation, Columbus, Ohio.

### **Civilian Labor Force:**

U.S. Department of Labor, Bureau of Labor Statistics. Local Area Unemployment Statistics (not seasonally adjusted). <<http://data.bls.gov/labjava/outside.jsp?survey=la>> (2003, March 27).

## 2-42. Persons with a Recent PhD in Science or Engineering per 10,000 Civilian Workers: 2001

### **Recent Science and Engineering Ph.D. Degrees:**

Arrangements for the special tabulation of the 2001 Survey of Doctorate Recipients were made by Nirmala Kannankutty, Analyst, Division of Science Resources Statistics, National Science Foundation (nkannank@nsf.gov) on June 25, 2003 per a special request from Taratec Corporation, Columbus, Ohio.

### **Civilian Labor Force:**

U.S. Department of Labor, Bureau of Labor Statistics. Local Area Unemployment Statistics (not seasonally adjusted). <<http://data.bls.gov/labjava/outside.jsp?survey=la>> (2003, March 27).

## 2-44. Amount of Venture Capital Funds Invested per \$1,000 of GSP: 2002

### **Venture Capital:**

PricewaterhouseCoopers, Venture Economics, and National Venture Capital Association. *MoneyTree™* Survey.

### **Gross State Product:**

U.S. Department of Commerce, Bureau of Economic Analysis. (2003, May). Gross State Product: 2001. <<http://www.bea.gov/bea/regional/gsp/>> (2003, June 3);

Puerto Rico Planning Board, Program of Economic and Social Planning. *Appendix Statistics: Table 1—Selected Series of Income and Product, Total and Per Capita*. <<http://www.jp.gobierno.pr>>. (2003, October 2).

## 2-46. Average Annual Amount of SBIC Funds Disbursed per \$1,000 of GSP: 2000–2002

### **SBIC Funds Disbursed:**

Small Business Administration. (2003, February 13). *SBIC Program Financing to Small Business - Table 7: ALL SBIC Program Licensees Financing to Small Businesses by State*. <<http://www.sba.gov/INV/stat/table7.pdf>> (2003, June 3).

### **Gross State Product:**

U.S. Department of Commerce, Bureau of Economic Analysis. (2003, May). Gross State Product: 2001. <<http://www.bea.gov/bea/regional/gsp/>> (2003, June 3);

Puerto Rico Planning Board, Program of Economic and Social Planning. *Appendix Statistics: Table 1—Selected Series of Income and Product, Total and Per Capita*. <<http://www.jp.gobierno.pr>>. (2003, October 2).

## 2-48. Average Annual Amount of IPO Funds Raised per \$1,000 of GSP: 2000–2002

### **IPO Funds Raised:**

Hale and Dorr LLP. (2001, February 26). *2000 The IPO Report*. <[http://www.haledorr.com/db30/cgi-bin/pubs/2000\\_IPO\\_report.pdf](http://www.haledorr.com/db30/cgi-bin/pubs/2000_IPO_report.pdf)> (2001, June 13);

2001 and 2002 IPO data were prepared by Timothy Gallagher (timothy.gallagher@haledorr.com) at Hale and Dorr LLP, Boston, MA, per a special request from Taratec Corporation, Columbus, Ohio.

### **Gross State Product:**

U.S. Department of Commerce, Bureau of Economic Analysis. (2003, May). Gross State Product: 2001. <<http://www.bea.gov/bea/regional/gsp/>> (2003, June 3).

## 2-50. Number of Business Incubators per 10,000 Business Establishments: 2003

### **Business Incubators:**

National Business Incubation Association, 20 East Circle Drive, #37198, Athens, OH 45701. (2003, October 15).

### **Establishments:**

U.S. Census Bureau. *County Business Patterns—United States: 2001*. (2003, April). <<http://www.census.gov/prod/2003pubs/01cbp/cbp01-1.pdf>> (2003, October 6);

U.S. Census Bureau. *County Business Patterns—Puerto Rico: 2001*. (2003, May). <<http://www.census.gov/prod/2003pubs/01cbp/cbp01-53.pdf>> (2003, October 6).

## 2-52. Percent of Establishments in High-technology NAICS Codes: 2000

### **High-technology Definition:**

U.S. Department of Commerce.

### **Establishments in High-technology SIC Codes:**

These data were prepared by the U.S. Census Bureau under contract with Taratec Corporation, Columbus, Ohio.

### **Establishments:**

U.S. Census Bureau. *County Business Patterns—United States: 2000*. (2002, May). <<http://www.census.gov/prod/2002pubs/00cbp/cbp00-1.pdf>> (2002, June 5).

## 2-54. Percent of Employment in High-technology NAICS Codes: 2000

### **High-technology Definition:**

U.S. Department of Commerce.

### **Employment in High-technology SIC Codes:**

These data were prepared by the U.S. Census Bureau under contract with Taratec Corporation, Columbus, Ohio.

### **Employment:**

U.S. Census Bureau. *County Business Patterns—United States: 2000*. (2002, May). <<http://www.census.gov/prod/2002pubs/00cbp/cbp00-1.pdf>> (2002, June 5).

## 2-56. Percent of Payroll in High-technology NAICS Codes: 2000

### **High-technology Definition:**

U.S. Department of Commerce.

### **Payroll in High-technology SIC Codes:**

These data were prepared by the U.S. Census Bureau under contract with Taratec Corporation, Columbus, Ohio.

**Payroll:**

U.S. Census Bureau. *County Business Patterns—United States: 2000*. (2002, May). <<http://www.census.gov/prod/2002pubs/00cbp/cbp00-1.pdf>> (2002, June 5).

**2-58. Percent of Establishment Births in High-technology NAICS Codes: 2000**

**High-technology Definition:**

U.S. Department of Commerce.

**Establishment Births in High-technology SIC Codes:**

These data were prepared by the U.S. Census Bureau under contract with Taratec Corporation, Columbus, Ohio.

**Establishments:**

U.S. Census Bureau. *County Business Patterns—United States: 2000*. (2002, May). <<http://www.census.gov/prod/2002pubs/00cbp/cbp00-1.pdf>> (2002, June 5).

**2-60. Net Formations of High-technology Establishments per 10,000 Business Establishments: 2000**

**High-technology Definition:**

U.S. Department of Commerce.

**Births and Deaths of High-technology Establishments:**

These data were prepared by the U.S. Census Bureau under contract with Taratec Corporation, Columbus, Ohio.

**Establishments:**

U.S. Census Bureau. *County Business Patterns—United States: 2000*. (2002, May). <<http://www.census.gov/prod/2002pubs/00cbp/cbp00-1.pdf>> (2002, June 5).

**2-62. Average Annual Number of U.S. Patents Issued per 10,000 Business Establishments: 2000–2002**

**U.S. Patents Issued:**

U.S. Patent and Trademark Office, Office of Electronic Information Products/ PTMD, Dozier, G. (2003, April). *Patent Counts by Country/State and Year, All Patents, All Types, January 1, 1977—December 31, 2002*.

**Establishments:**

U.S. Census Bureau. *County Business Patterns—United States: 2001*. (2003, April). <<http://www.census.gov/prod/2003pubs/01cbp/cbp01-1.pdf>> (2003, October 6);

U.S. Census Bureau. *County Business Patterns—Puerto Rico: 2001*. (2003, May). <<http://www.census.gov/prod/2003pubs/01cbp/cbp01-53.pdf>> (2003, October 6).

**2-64. Number of Technology Fast 500 Companies per 10,000 Business Establishments: 2002**

**Technology Fast 500 Companies:**

Deloitte & Touche. Technology Fast 500. <<http://www.public.deloitte.com/fast500/>>. (2003, August 6).

**Establishments:**

U.S. Census Bureau. *County Business Patterns—United States: 2001*. (2003, April). <<http://www.census.gov/prod/2003pubs/01cbp/cbp01-1.pdf>> (2003, October 6);

U.S. Census Bureau. *County Business Patterns—Puerto Rico: 2001*. (2003, May). <<http://www.census.gov/prod/2003pubs/01cbp/cbp01-53.pdf>> (2003, October 6).

**2-66. Number of Inc. 500 Companies per 10,000 Business Establishments: 2002**

**2002 Inc. 500 Companies:**

*Inc. Magazine*. (2002). *The Inc. 500*. <<http://www.inc.com/inc500>> (2003, June 3).

**Establishments:**

U.S. Census Bureau. *County Business Patterns—United States: 2001*. (2003, April). <<http://www.census.gov/prod/2003pubs/01cbp/cbp01-1.pdf>> (2003, October 6);

U.S. Census Bureau. *County Business Patterns—Puerto Rico: 2001*. (2003, May). <<http://www.census.gov/prod/2003pubs/01cbp/cbp01-53.pdf>> (2003, October 6).

**2-68. Average Annual Earnings per Job: 2001**

**Average Annual Earnings per Job:**

U.S. Department of Labor, Bureau of Labor Statistics. *Average Annual Pay by State and Industry, 2001*. <<ftp://ftp.bls.gov/pub/news.release/history/annpay.09242002.news>> (2003, June 3).

**2-70. Average Percent of the Population Living Above the Federal Poverty Threshold: 1999–2001**

**Percent of the Population Above Poverty:**

U.S. Census Bureau. (2002, September). *Poverty in the United States: 2001, Table 4*. <<http://www.census.gov/prod/2002pubs/p60-219.pdf>> (2003, August 8);

U.S. Census Bureau, Population Division. American Factfinder, Census 2000 Summary File 3 (SF 3): P87. POVERTY STATUS IN 1999 BY AGE (for Puerto Rico). <<http://factfinder.census.gov>> (2003, November 20).

**2-72. Per Capita Personal Income: 2002**

**Per Capita Income:**

U.S. Department of Commerce, Bureau of Economic Analysis. (2003, July 23). Annual State Personal Income. <<http://www.bea.doc.gov/bea/regional/spi/>> (2003, July 24);

Puerto Rico Planning Board, Program of Economic and Social Planning. *Appendix Statistics: Table 1—Selected Series of Income and Product, Total and Per Capita*. <<http://www.jp.gobierno.pr>> (2003, October 2).

## 2-74. Labor Force Participation Rate: 2002

### **Labor Force Participation:**

U.S. Department of Labor, Bureau of Labor Statistics. Local Area Unemployment Statistics (not seasonally adjusted). <<http://data.bls.gov/labjava/outside.jsp?survey=la>> (2003, March 27).

## 2-76. Percent of the Civilian Work Force Employed: 2002

### **Work Force Employment:**

U.S. Department of Labor, Bureau of Labor Statistics. Local Area Unemployment Statistics (not seasonally adjusted). <<http://data.bls.gov/labjava/outside.jsp?survey=la>> (2003, March 27).

## State Information Contacts

### **State Information Contacts:**

U.S. Census Bureau. *2002 Statistical Abstract of the United States, Appendix 1b: Guide to State Statistical Abstracts*. <<http://www.census.gov/prod/2003pubs/02statab/app1b.pdf>> (2003, June 2).

## Overall State Economic Conditions

### **Population:**

U.S. Census Bureau, Population Division. State Estimates by Demographic Characteristics—Single Year of Age, Sex, Race and Hispanic Origin. <<http://eire.census.gov/popest/data/states/files/STCH-6R.txt>> (2003, October 31);

U.S. Census Bureau, Population Division. Population Estimates Data, Puerto Rico Municipio dataset. <<http://eire.census.gov/popest/data/puerto/PRM-EST2002-01.csv>> (2003, November 18).

### **Population Living in MSAs:**

U.S. Census Bureau, Population Division. American Factfinder, 2001 Supplementary Survey Summary Tables: P042. RESIDENCE 1 YEAR AGO FOR THE POPULATION 1 YEAR AND OVER--MSA/PMSA LEVEL. <<http://factfinder.census.gov>> (2003, October 27).

### **Per Capita Income:**

U.S. Department of Commerce, Bureau of Economic Analysis. (2003, July 23). Annual State Personal Income. <<http://www.bea.doc.gov/bea/regional/spi/>> (2003, July 24);

Puerto Rico Planning Board, Program of Economic and Social Planning. *Appendix Statistics: Table 1—Selected Series of Income and Product, Total and Per Capita*. <<http://www.jp.gobierno.pr>> (2003, October 2).

### **Percent of the Population Below Poverty:**

U.S. Census Bureau. (2002, September). *Poverty in the United States: 2001, Table 4*. <<http://www.census.gov/prod/2002pubs/p60-219.pdf>> (2003, August 8).

### **Gross State Product:**

U.S. Department of Commerce, Bureau of Economic Analysis. (2003, May). Gross State Product: 2001. <<http://www.bea.gov/bea/regional/gsp/>> (2003, June 3);

Puerto Rico Planning Board, Program of Economic and Social Planning. *Appendix Statistics: Table 1—Selected Series of Income and Product, Total and Per Capita*. <<http://www.jp.gobierno.pr>>. (2003, October 2).

### **Establishments:**

U.S. Census Bureau. *County Business Patterns—United States: 2001*. (2003, April). <<http://www.census.gov/prod/2003pubs/01cbp/cbp01-1.pdf>> (2003, October 6);

U.S. Census Bureau. *County Business Patterns—Puerto Rico: 2001*. (2003, May). <<http://www.census.gov/prod/2003pubs/01cbp/cbp01-53.pdf>> (2003, October 6).

### **Manufacturing Employment:**

U.S. Census Bureau. *County Business Patterns 2001: Totals for the States*. <[http://www.census.gov/pub/epcd/cbp/download/01\\_data/cbp01st.txt](http://www.census.gov/pub/epcd/cbp/download/01_data/cbp01st.txt)> (2003, June 3).

### **Civilian Labor Force:**

U.S. Department of Labor, Bureau of Labor Statistics. Local Area Unemployment Statistics (not seasonally adjusted). <<http://data.bls.gov/labjava/outside.jsp?survey=la>> (2003, March 27).

## TIME SERIES METRICS SECTION

### 4-2. Total R&D Performed per \$1,000 of GSP: 1993–2001

#### **1993, 1995, 1997–2000 Expenditures for Total R&D Performed:**

National Science Foundation, Division of Science Resources Statistics. *National Patterns of R&D Resources: 2002 (Data Update), Table 7C*. <<http://www.nsf.gov/sbe/srs/nsf03313/tables/tab7c.xls>> (2003, October 24).

#### **2001 Expenditures for Total R&D Performed:**

Total R&D 2001 was compiled by the National Science Foundation, Division of Science Resources Statistics <<http://www.nsf.gov/sbe/srs/>>. The data will be available in the next edition of the report, *National Patterns of Research and Development Resources: 2003*, which is expected to be released during the first quarter of 2004.

#### **1993, 1995, 1997–2001 Gross State Product:**

U.S. Department of Commerce, Bureau of Economic Analysis. (2003, May). Gross State Product, various years. <<http://www.bea.gov/bea/regional/gsp/>> (2003, June 3).

### 4-4. Expenditures for Industry-performed R&D per \$1,000 of GSP

#### **1993, 1995, 1997–2001 Expenditures for Industry-performed R&D:**

Industry R&D was collected and compiled by the National Science Foundation, Division of Science Resources Statistics <<http://www.nsf.gov/sbe/srs/>>, Survey of Industrial Research and Development: 2001. The data will be available online in the report, *Research and Development in Industry: 2001, Table A-30*, when it is released in the fourth quarter of 2003.

**1993, 1995, 1997–2001 Gross State Product:**

U.S. Department of Commerce, Bureau of Economic Analysis. (2003, May). Gross State Product, various years. <<http://www.bea.gov/bea/regional/gsp/>> (2003, June 3).

**4-6. Expenditures for University-performed R&D per \$1,000 of GSP: 1992–2001**

**1992–1993 Expenditures for University-performed R&D:**

National Science Foundation, Division of Science Resources Statistics, *Academic Research and Development Expenditures: Fiscal Years 1999, Table B23*, NSF 01-329, Project Officer, M. Marge Machen (Arlington, VA 2001).

**1994–2001 Expenditures for University-performed R&D:**

National Science Foundation, Division of Science Resources Statistics, *Academic Research and Development Expenditures: Fiscal Year 2001, Table B23*, NSF 03-316, Project Officer, M. Marge Machen (Arlington, VA 2003).

**1992–2001 Gross State Product:**

U.S. Department of Commerce, Bureau of Economic Analysis. (2003, May). Gross State Product, various years. <<http://www.bea.gov/bea/regional/gsp/>> (2003, June 3);

Puerto Rico Planning Board, Program of Economic and Social Planning. *Appendix Statistics: Table 1—Selected Series of Income and Product, Total and Per Capita*. <<http://www.jp.gobierno.pr>>. (2003, October 2).

**Note:**

Data on Expenditures for University-performed R&D for Puerto Rico is listed in table B23 as "Outlying Areas".

**4-8. Annual SBIR Award Dollars per \$1,000 of GSP: 1992–2001**

**1992–1996 SBIR Award Dollars Granted:**

These data were made available by the Small Business Administration, per a special request from Taratec Corporation, Columbus, Ohio.

**1997–2002 SBIR Award Dollars Granted:**

Small Business Administration, Office of Technology. SBIR Program Statistics, various years. <<http://www.sba.gov/SBIR/indexsbir-sttr.html#sbirstats>>.

**1992–2001 Gross State Product:**

U.S. Department of Commerce, Bureau of Economic Analysis. (2003, May). Gross State Product, various years. <<http://www.bea.gov/bea/regional/gsp/>> (2003, June 3);

Puerto Rico Planning Board, Program of Economic and Social Planning. *Appendix Statistics: Table 1—Selected Series of Income and Product, Total and Per Capita*. <<http://www.jp.gobierno.pr>>. (2003, October 2).

**4-10. Percent of the Population with a Bachelor's Degree: 1993–2002**

**1993–2002 Population with Bachelor's Degrees:**

U.S. Census Bureau, Education & Social Stratification Branch. *Educational Attainment in the United States, Table 13, various years*. <<http://www.census.gov/population/www/socdemo/educ-attn.html>>.

**4-12. Bachelor's Degrees Granted as a Percent of the 18–24 Year Old Population: 1992–2001**

**1992–2001 Bachelor's Degrees Granted:**

U.S. Department of Education, National Center for Education Statistics, Integrated Postsecondary Education Data System, various years. <<http://www.nces.ed.gov/ipeds/>>.

**1992–1999 Population, 18–24 Years Old:**

U.S. Census Bureau, Population Division. Population Estimates for the U.S. and States by Single Year of Age and Sex, various years. <<http://eire.census.gov/popest/archives/state/st-99-10.php>>.

**2000 Population, 18–24 Years Old:**

U.S. Census Bureau, Population Division. Census 2000 Summary File 1 (SF 1) 100-Percent Data, PCT 12. <<http://factfinder.census.gov>>.

**2001 Population, 18–24 Years Old:**

U.S. Census Bureau, Population Division. State Estimates by Demographic Characteristics—Single Year of Age, Sex, Race, and Hispanic Origin. <<http://eire.census.gov/popest/data/states/files/STCH-6R.txt>> (2003, October 31);

The 2001 population 18–24 years old for the Commonwealth of Puerto Rico was provided by the Population Division of the U.S. Census Bureau on October 8, 2003 per a special request from Taratec Corporation, Columbus, Ohio.

**4-14. Science and Engineering Graduate Students as a Percent of the 18–24 Year Old Population: 1992–2001**

**1992–2001 Science and Engineering Graduate Students:**

National Science Foundation, Division of Science Resources Statistics. Survey of Graduate Students and Postdoctorates in Science and Engineering, various years. <<http://www.nsf.gov/sbe/srs/gss/start.htm>>.

**1992–1999 Population, 18–24 Years Old:**

U.S. Census Bureau, Population Division. Population Estimates for the U.S. and States by Single Year of Age and Sex, various years. <<http://eire.census.gov/popest/archives/state/st-99-10.php>>.

**2000 Population, 18–24 Years Old:**

U.S. Census Bureau, Population Division. Census 2000 Summary File 1 (SF 1) 100-Percent Data, PCT 12. <<http://factfinder.census.gov>>.

**2001 Population, 18–24 Years Old:**

U.S. Census Bureau, Population Division. State Estimates by Demographic Characteristics—Single Year of Age, Sex, Race, and Hispanic Origin. <<http://eire.census.gov/popest/data/states/files/STCH-6R.txt>> (2003, October 31);

The 2001 population 18–24 years old for the Commonwealth of Puerto Rico was provided by the Population Division of the U.S. Census Bureau on October 8, 2003 per a special request from Taratec Corporation, Columbus, Ohio.

#### **4-16. Venture Capital Funds Invested per \$1,000 of GSP: 1995–2001**

##### **1995–2001 Venture Capital:**

PricewaterhouseCoopers, Venture Economics, and National Venture Capital Association. MoneyTree Survey™.

##### **1995–2001 Gross State Product:**

U.S. Department of Commerce, Bureau of Economic Analysis. (2003, May). Gross State Product, various years. <<http://www.bea.gov/bea/regional/gsp/>> (2003, June 3);

Puerto Rico Planning Board, Program of Economic and Social Planning. *Appendix Statistics: Table 1—Selected Series of Income and Product, Total and Per Capita*. <<http://www.jp.gobierno.pr/>>. (2003, October 2).

#### **4-18. Annual Number of U.S. Patents Issued per 10,000 Business Establishments: 1992–2001**

##### **1992–2001 U.S. Patents Issued:**

U.S. Patent and Trademark Office, Office of Electronic Information Products/ PTMD, Dozier, G. (2003, April). *Patent Counts by Country/State and Year, All Patents, All Types, January 1, 1977 – December 31, 2002*.

##### **1992–2001 Establishments:**

U.S. Census Bureau. *County Business Patterns*, various years. <<http://www.census.gov/epcd/cbp/view/cbpview.html>>.

##### **Note:**

*County Business Patterns* Puerto Rico data available starting in 1998.

#### **4-20. Per Capita Personal Income: 1993–2002**

##### **1993–2002 Per Capita Income:**

U.S. Department of Commerce, Bureau of Economic Analysis. (2003, July 23). Annual State Personal Income, various years. <<http://www.bea.doc.gov/bea/regional/spi/>> (2003, July 24).

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