

New Hampshire PY 2008 Workforce Information Grant Annual Report

Core Products and Services

The Economic and Labor Market Information Bureau of New Hampshire Employment Security, the designated workforce information entity for New Hampshire, supplied workforce information products and services in the following core areas.

1) Continue to populate the Workforce Information Database (WIDb) with state and local data.

The Bureau continues to maintain the Workforce Information Database (WIDb) in New Hampshire. All core tables are populated in version 2.4 of the WIDb, and data are maintained on a regular basis, as are multiple non-core tables.

WIDb Maintenance

The following data were loaded to WIDb tables, both local and Internet, between July 2008 and June 2009:

- Monthly updates of the following data tables:
 - Current Employment Statistics program data (NH Statewide and six Metropolitan NECTA/NECTA Divisions);
 - Labor force statistics (US; NH Statewide; Counties; In-State and Cross-State Metropolitan and Micropolitan NECTA/NECTA Divisions, In-State and Cross-State Labor Market Areas; and Minor Civil Divisions);
 - Consumer Price Index (US); and
 - Building permits (US and NH Statewide).

- Annual average data updates of the following data tables:
 - Current Employment Statistics program data (NH Statewide and six Metropolitan NECTA/NECTA Divisions);
 - Labor force statistics (US; NH Statewide; County; In-State and Cross-State Metropolitan and Micropolitan NECTA/NECTA Divisions, In-State and Cross-State Labor Market Areas; and Minor Civil Divisions);
 - Building permits (US, NH Statewide, and County).

- Benchmark data for current employment statistics, 2007 and 2008; and labor force, 2004 – 2008.

- ARC Employer Database, 2008 second edition and 2009 first edition

- Statewide short-term industry and occupational projections, 2007 Q4 - 2009 Q4; and 2008 Q3 - 2010 Q3
- Long-term industry and occupational projections, and staffing pattern data, substate (county and planning region), 2006 - 2016.
- Quarterly Census of Employment and Wages (QCEW)
 - Quarterly data for 2008 Q1 through 2008 Q4 to the NAICS industry group (4-digit) level for NH Statewide, Counties, Metropolitan NECTAs, Micropolitan NECTAs, and labor market areas
 - 2008 Q1 through 2008 Q3 to the NAICS industry group level for the US
 - 2008 Q1 through 2008 Q4 to the domain level (goods-producing and service-providing) for New Hampshire municipalities
- Annual Average QCEW
 - Annual average data for 2007 to the NAICS industry group (4-digit) level for the US, statewide, counties, labor market areas, and planning regions
 - Annual average data for 2007 to the NAICS sector (2-digit) level for municipalities
- Occupational Employment Statistics Wage estimates – May 2008 survey panel data for Statewide, metropolitan and micropolitan NECTAs, small labor market areas, counties, planning regions, one-stop office areas, and the US
- Measures of personal income from the Bureau of Economic Analysis (BEA)
 - Revised and preliminary statewide and US, annual 2005 - 2008
 - Statewide and US by quarter, 2005 Q1 - 2009 Q1
 - County (revised), annual 2005 - 2007
- American Community Survey per capita income, median household income, and median family income – statewide and US, 2007 1-Year Estimates and 2005 - 2007 3-Year Estimates; county, 2005 - 2007 3-Year Estimates
- Estimated Fiscal Year Median Family Income from the US Dept. of Housing and Urban Development (HUD) – US, statewide, and municipality, FY 2009
- Population Estimates
 - US Census Bureau for US, NH statewide, county, minor civil division, and metropolitan/micropolitan NECTAs, 2000 - 2007
 - New Hampshire Office of Energy and Planning, for municipalities, counties, and statewide, 2007

- Transfer Payments (revised) from the US Bureau of Economic Analysis (BEA), for statewide, US, and counties, 2005 - 2007
- Property tax rates from the New Hampshire Dept. of Revenue Administration, municipalities, 2007
- Unrestricted tax revenues from the New Hampshire Dept. of Administrative Services, for New Hampshire, 2008
- Business Employment Dynamics (BED) data for 1992 Q3 through 2008 Q3 were added to local WIDb (programming to display this data via the NHnetwork application has not been developed)

Local and Substate Data Maintenance

The Bureau recognizes the value of local workforce information. In response to requests from the workforce development community, employers, and other users of workforce information, New Hampshire continues to populate the WIDb with extensive substate information. Substate data is maintained in 17 of the 30 populated WIDb data tables. Access to this data is provided through NHnetwork, New Hampshire's on-line labor market information system and WID user interface.

In addition to standard WIDb tables, 16 tables were added to the WID to support Internet access of data contained in the New Hampshire Community Profiles. Users are provided access to municipality-specific information through the NHnetwork application, as well as through standard HTML web pages and PDF documents. The annual update to these data tables was completed in January 2009.

Data Provided to NH Job Match System

In April 2009, New Hampshire Employment Security launched a new labor exchange web site, the *NH Works Job Match System*. In addition to labor exchange, the application provides labor market information as a complement to job seeker and employer services. The system uses the WIDb structure as a data container for labor market information. A subset of the WIDb data maintained for the NHnetwork application was deemed relevant to the Job Match System, primarily at the US, NH statewide, and county geographic level. This subset of data was provided to application developers, and continual data updates have been provided for system maintenance since its inception.

2) Produce and disseminate industry and occupational employment projections.

New Hampshire continues to produce and disseminate statewide industry and occupational employment projections using the methodology, software tools, and guidelines developed by the Projections Workgroup and the Projections Managing Partnership.

Primary activities for PY 2008 were the production of substate long-term projections by industry and occupation and statewide short-term projections. Substate long-term projections were developed for the 2006 to 2016 period. Substate projections were developed for both New Hampshire's ten counties and for its nine regional planning areas. Statewide short-term projections were developed for the 2007 Q4 to 2009 Q4 period and the 2008 Q3 to 2010 Q3 period.

- The Bureau prepared long-term estimates of employment by industry and occupation for two substate area types: New Hampshire's ten counties and nine planning regions. These estimates incorporated annual average employment by industry for the 1972-2006 time period, with 2006 base year employment and employment projected to 2016. This satisfied the ETA requirement to produce substate long-term industry and occupational projections during PY 2008 that covered the 2006-2016 time period. Substate projections were made available on the Bureau's web site in data tables.
- The Bureau populated the Workforce Information Database with both county and planning region substate long-term projections for the 2006-2016 time period to allow for further public dissemination through NHNetwork, New Hampshire's on-line labor market information system and WIDb user interface.
- In August 2008, the Bureau published the *New Hampshire Job Outlook and Locator by Industry and Occupation* for base year 2006 to projected year 2106 in conjunction with statewide long-term projections. The *Job Locator* was made available on the Bureau's web site in PDF format.
- The Bureau published an article comparing projected occupational demand to recent educational program graduates in the September 2008 issue of *Economic Conditions in New Hampshire*. An article on projected high-paying occupations was published in the October 2008 issue of *Economic Conditions in New Hampshire*. Both articles are available on the Bureau's web site.
- Responding to a request from the Boston Regional Office of the Bureau of Labor Statistics, the Bureau provided instructional support for a training session on industry and occupational projections for two analysts from Puerto Rico. The

Bureau's projections staff person participated in this training, held in Boston, Massachusetts, on September 10, 2008.

- The Bureau prepared two sets of short-term statewide estimates of employment by industry and occupation, based on the latest available quarter of information and forecast out eight quarters. One set covered the 2007 Q4 to 2009 Q4 time period. The Bureau populated the WIDb with these data to allow for further public dissemination of these projections in February 2009.
- The second set of short-term projections for the time period 2008 Q3 to 2010 Q3 was completed in June 2009. This satisfied the ETA requirement to produce short-term, industry and occupational employment estimates during PY 2008 that covered the 2008-2010 time period. These estimates were delivered for use in America's Career InfoNet on June 26, 2009. The Bureau populated the WIDb with these data to allow for further public dissemination of these projections in July 2009.
- The Bureau responded to requests for statewide long-term projections from the University of New Hampshire on high-growth occupations and for regional occupational projections from the Gallen Regional Career and Technical Center.

3) Publish an annual economic analysis report for the governor and the SWIB.

The Economic and Labor Market Information Bureau published *Where Are We Now? New Hampshire's Economy in 2009*, an up-to-date analysis of the state's economic status. This analysis provides information for workforce-development policy and related investment decisions by the Governor, the Legislature, the New Hampshire Workforce Opportunity Council (the state's workforce investment board), local workforce investment advisory groups, and additional partners including community colleges, economic development organizations, and other workforce development stakeholders. The information contained in the report is also useful to business people and private individuals who have a stake in the New Hampshire economy, whether they are involved in business or career planning, or in general economic research and analysis.

The report examines economic trend indicators such employment by industry, exports, housing, population, measures of unemployment, labor underutilization, unemployment compensation, covered employment, and business employment dynamics. Effects of the national and global recessions on economic conditions in New Hampshire were also considered.

In addition to the annual economic summary report, the Bureau published its annual review of economic and social conditions in *Vital Signs 2009: New Hampshire Economic and Social Indicators*. This publication presents information about significant aspects of the state's economic, social, and environmental structure. In keeping with the intent of the Employment and Training Administration, the Bureau includes information from numerous other sources, ranging from federal agencies and other state agencies to private industry groups and institutes. Data for four years is collected and presented in eighteen chapters. Each chapter is accompanied by a capsule summary of recent events.

Together, *Where Are We Now?* and *Vital Signs* satisfy the requirement to produce an annual economic summary for the Governor and the workforce investment board.

4) Post products, information, and reports on the Internet.

New Hampshire has posted all of its grant-produced products, reports, and other workforce information on the New Hampshire Employment Security Economic and Labor Market Information Bureau web site. This facilitates product and information use by the workforce investment system, including partners, researchers, allied agencies, and other customers.

During Program Year 2008 the New Hampshire Employment Security Economic and Labor Market Information Bureau's web site garnered nearly 2 million page hits and downloads.

- The most popular product by far on the Bureau's web site is *New Hampshire Community Profiles*, a summary of demographic, social, and economic information for each of New Hampshire's cities and towns. Nearly a third of the web site page hits and downloads are for this product. The profiles are updated annually using a mail survey, administrative databases, and other public data sources, such as the US Census Bureau and other state agencies. The profiles for New Hampshire's 234 communities are published in HTML pages and PDF files on the web site.
- The product with the second largest number of web site hits was *Licensed, Certified, and Registered Occupations in New Hampshire*. This publication was last updated during PY 2007. Licensing information is made available on the web site as a PDF document and in HTML pages.
- The product with the third largest number of web site hits was *New Hampshire Occupational Employment and Wages*, based on data collected and published by the Bureau's Occupational Employment Statistics (OES) program.
- Other frequently accessed publications and web pages were:
 - *New Hampshire Economic Conditions*, the Bureau's monthly bulletin;
 - Consumer Price Index data;
 - the *LMI Chart Room*, a slide series that graphically displays a variety of economic indicators;
 - Terms, definitions, and glossary;
 - Unemployment Insurance claims data; and
 - *Vital Signs 2009*, New Hampshire's annual publication on economic and social indicators.

5) Partner and consult on a continuing basis with workforce investment boards.

Grantees are required to partner and consult on a continuing basis with the SWIB and LWIBs in order to identify and provide needed information support for workforce investment strategic planning and response to rapidly changing economic conditions and state and local initiatives. The needs identified through such consultations must be documented in the grant file.

- Throughout the year, the Bureau responded to multiple requests from the Workforce Opportunity Council, New Hampshire's state workforce investment board.
- At the request of the Workforce Opportunity Council, the Bureau prepared a report on *Careers in Healthcare in the North Country Planning Region*. This report discussed the regional employment outlook for workers in healthcare occupations, related industries, regional average wages, training and licensing requirements, and working conditions.
- Throughout the program year, New Hampshire Employment Security Employer Services Representatives were provided up-to-date presentation materials that included regional labor force, commuting, and industry employment data as well as a brief guide to accessing information on the Bureau's web site for distribution at local job fairs and employer seminars.
- November 2008 – the Bureau published *Machinists in New Hampshire* to provide relevant labor market information about the machine trades following the announcement of the STAR (Skills Through Apprenticeship and Retraining) Program, a grant awarded to the New Hampshire Workforce Opportunity Council by the US Department of Labor.
- April 2009 – Bureau staff participated with Workforce Opportunity Council and New Hampshire Employment Security staff in the Region 1 Recovery and Reemployment Forum in Boston, Massachusetts.
- May 2009 – Along with Workforce Opportunity Council and New Hampshire Employment Security staff, the Bureau participated in the State ARRA Readiness Consultation with Regional ETA staff.

6) Conduct special studies and economic analyses.

When needed, states shall conduct special state, local, or sub-state regional studies and economic analyses to provide information support for communities in economic transition, state and sub-state workforce development initiatives, and responses to major layoffs or disasters.

Special studies and economic analysis

The Bureau continued to develop workforce and economic information through use of our New Hampshire econometric model. This model is used to analyze the short- and long-term impacts of economic changes, plant closings, proposed economic development, and other exogenous events. These economic impact studies provide information about the impacts of significant plant shutdowns or development, and the anticipated impact on occupational demand and workforce development requirements. The Bureau identifies types of workers who would likely be affected by negative economic changes, and predicts the types of workers needed in response to business openings and specific economic development.

- The Bureau renewed a support and maintenance contract with the developer.
- Staff participated in on-line training seminars on use of the econometric model. Seminars included a series on how to model different scenarios related to the new administration initiatives and the financial crisis.
- In November 2008, the Bureau published *Child Care in New Hampshire*, a study of the economic impact of the child care industry. This study was conducted in response to a request from Early Learning New Hampshire, a non-profit organization that promotes access to affordable quality child care and early education and provides support to the child care industry. Several stakeholders from the child care field collaborated with the Bureau in collecting information that quantified the need and use of child care in New Hampshire.

The Regional Economic Model, Inc. (REMI) was used to calculate the statewide impact of both workers in the child care industry and the ability of parents to participate in the labor force due to the availability of child care. It was estimated that the child care industry in New Hampshire accounts for 10,700 direct and indirect jobs as well as 64,600 “ripple effect” jobs – which are those jobs held by working parents dependent on the availability of child care and the secondary impacts of those jobs.

Support of economic development and retention

The Bureau continued its support of economic development and retention efforts by the Department of Resources and Economic Development throughout the program year.

- This support consists primarily of informational packets detailing in- and out-commuting patterns for an area, area labor force statistics, specific occupational wages for an area, and area active applicants for specific occupational codes. During this program year information on CNC machinists, estimates of employers with one to ten employees, and information for the potential placement of two call centers were provided.
- In May 2009, the Bureau prepared composite profiles of five of New Hampshire's counties based on the content of the New Hampshire Community Profiles. The county profiles were provided to the NH Division of Economic Development for use in business recruitment and job creation initiatives. The profiles were added to information packets presented to prospects.

Data and research assistance was also provided to a variety of other state partners in support of grant applications, strategic planning, and career development activities.

- July/August 2008 – Presentations at the Dartmouth Health Careers Camp, a program for 10th, 11th, and 12th grade students exploring careers in health care.
- September 2008 – The Bureau published *2007 Benefits Offered by New Hampshire Employers*, an analysis of a survey of privately owned businesses. Businesses were asked to provide information on benefits offered to full time and part time employees, including health, dental, and vision insurance, life and disability insurance, paid leave, and retirement benefits. Results were stratified by business size, location, and industry. The survey results were published in a print document and on the Bureau's web site in PDF format. Data were also provided to the NH Insurance Department.
- October 2008 – Staff attended the Analyst Resource Center (ARC) Seminar entitled *Transforming Information for the Future* in St. Louis, MO.
- December 2008 – Presentation at the New Hampshire Community College System Board of Directors retreat discussing economic and demographic trends in New Hampshire.

- January 2009 – Presentation to the New Hampshire House and Senate Ways and Means Committees and the New Hampshire House and Senate Finance Committees on current labor market trends.
- February 2009 – The *Veterans in New Hampshire 2009* publication was updated with newly released 2007 data from the Veterans Administration.
- March 2009 – Presentation to the Employer Support of the Guard and Reserve (ESGR) on veteran demographic and labor force information.
- April 2009 – Presentation on available labor market information to staff of the NH Bureau of Developmental Services.
- April 2009 – Presentation to a job seeker support group in the Salem, NH area explaining how to use labor market information in a job search.
- June 2009 – Presentation on “green jobs” concepts to community college career counselors.