

IMPACT AND TRENDS OF NEW HAMPSHIRE'S COLLEGES AND UNIVERSITIES:

A 2007 SUMMARY REPORT TO NEW HAMPSHIRE CITIZENS



- \$4.5 billion impact on economy
- 18,000+ full-time and part-time employees



- \$3.2 billion increase in lifetime earnings for New Hampshire residents



- 16,000+ degrees and certificates awarded each year

To the Citizens of New Hampshire:

New Hampshire is in good overall health, its economy continues to outpace neighboring New England states, the quality of life attracts those who value the State's distinct attributes for their families and businesses, and our colleges and universities continue to provide a quality education for our citizens – young, middle aged and retired.

This report is being submitted to the citizens of New Hampshire to provide information on the status of higher education in New Hampshire. It provides evidence that higher education has become a major driver of the New Hampshire economy, helping to deliver an educated workforce to the business community, collaborating on research and development, and generating outreach to small businesses to help them grow. And, higher education leaders work closely with public policy makers on issues important to both education and the State's economy. Our colleges and universities – public/private, two-year/four-year, and graduate - have never been more important to the future economic well being of New Hampshire as they are today.

At the same time, there are trends to watch as the number of degrees granted in high demand fields such as science and engineering decline, and as the number of college-bound New Hampshire students who leave the state is increasing.

The New Hampshire Forum on The Future is focusing on education and a myriad of other issues as it brings together leaders from business, education and government to focus on the key issues and trends shaping the future of our state. The Forum is in its second year of existence – a collaboration between the New Hampshire College and University Council and the New Hampshire High Technology Council, with operational funding from The NHHEAF Network Organizations. To date, we have focused on public policy-making at the State House, the energy supply crunch facing New England, structural changes in the state's news media, an aging workforce, a region-wide initiative to promote a college education for high school students, and demographic changes taking place across the state, including the significant departure of young people and influx of retirees.

We hope this report will help to make the case that we all have a mutual interest in higher education, especially where the interests of education, business and government intersect. Collaboration on the major issues shaping our state will help position New Hampshire to meet emerging challenges – some of which we can predict and others which have yet to become evident.

The information in the next few pages is provided to the citizens of New Hampshire, especially to those engaged in decision-making at the state and local levels and at businesses across the state, who seek to make those decisions ever mindful of the public good.



Tom Horgan



Fred Kocher

A handwritten signature in black ink that reads "Tom Horgan".

Thomas R. Horgan
President and CEO
New Hampshire College & University Council

A handwritten signature in black ink that reads "Fred Kocher".

Fred Kocher
President
New Hampshire High Technology Council

Economic Status Scorecard: Higher Education in NH

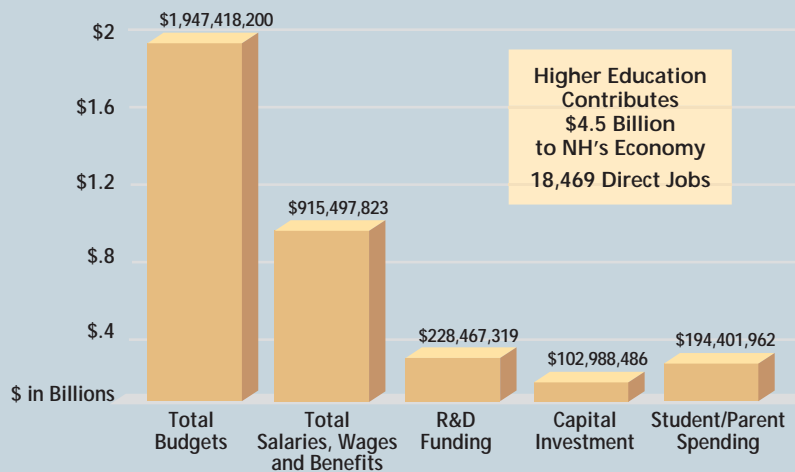
- 16,000+ degrees and certificates awarded each year
- 69,000+ enrollments
- 31,000 jobs supported (direct and indirect)
- 32% of adults in New Hampshire have bachelor degrees compared to 27% in the US
- 700,000+ volunteer hours by students and faculty

- \$3.2 billion increase in lifetime earnings for New Hampshire residents
- \$13.7 million value of volunteer hours to communities
- \$194 million student and family annual expenditures in New Hampshire communities
- \$200+ million in research and development
- \$916 million in salaries, wages and benefits
- \$103 million for capital expenditures
- \$1.9 billion annual operating budgets

Source: Based on RIMS Economic Model, US Bureau of Economic Analysis

**A \$4.5 Billion
NH Industry!**

Economic and Job Impact of Higher Education



Trends to Watch

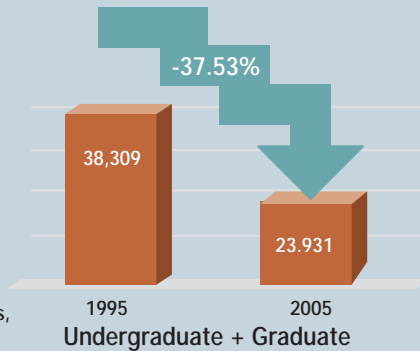
An Enrollment Challenge: A Decline in Students over the Age of 24

Undergraduate

1995	2005	Change
28,124	13,119	-53.35%

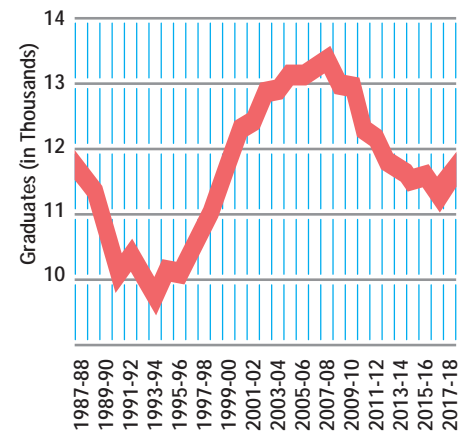
Graduate

1995	2005	Change
10,185	10,812	6.15%



Source: National Center for Education Statistics, IPEDS Enrollment

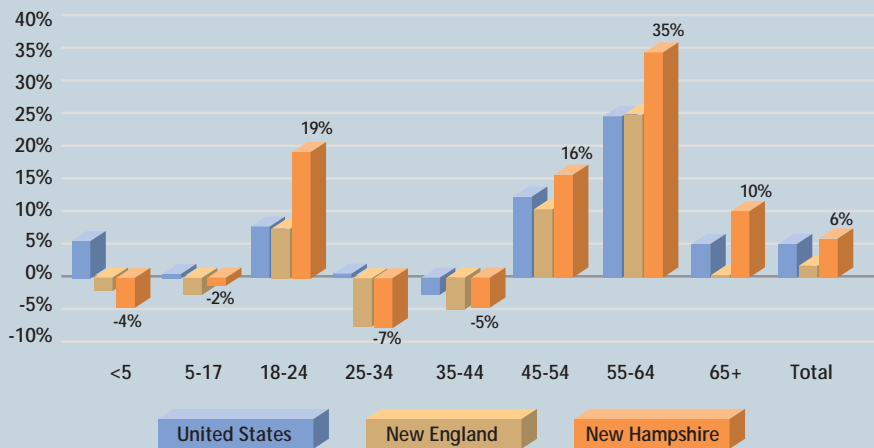
A Decline in New Hampshire Public High School Graduates 1987-88 to 2017-18



Source: Western Institution Commission for Higher Education (WICHE), 2006

Shifting Age Structure 2000-2005:

The 45-65 Age Group is Increasing and the 25-44 Age Group is in Decline



Tracking New Hampshire students through college graduation: 27% of ninth graders graduate from college

For every 100 students in 9th grade

- 46 enter a 4-year college
- 35 return for their second year
- 27 graduate with a 4-year degree

Source: National Service for Public Policy in Higher Education

Student Migration trends 1992-2004: New Hampshire loses to other states

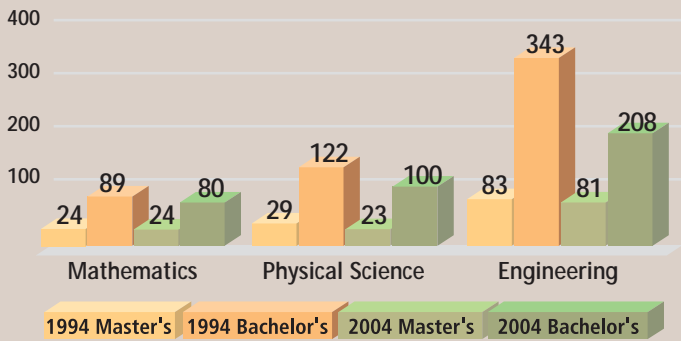
- 27% increase in high school graduates leaving New Hampshire to attend college
- 20% decrease in the number of high school graduates coming to New Hampshire for college

Source: Postsecondary Education Opportunity 2006

Trends to Watch

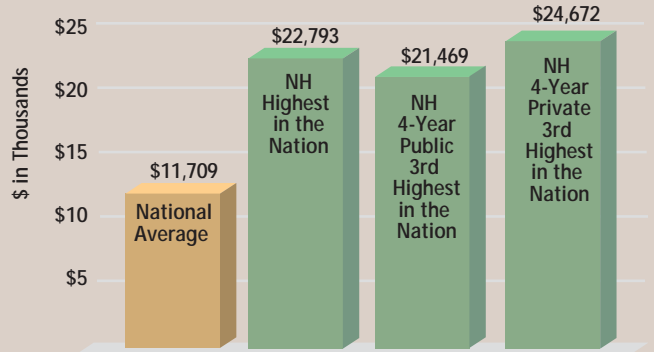
N.H. Student Interest Declines in High Demand Fields

The percentage and actual number of degrees at the Bachelor's and Master's level in mathematics, physical science and engineering decreased from 1994 to 2004



Source: National Center for Education Statistics

Highest Student Debt Load



Source: Debt load for a student graduating from a 4-year college in 2005: Project on Student Debt

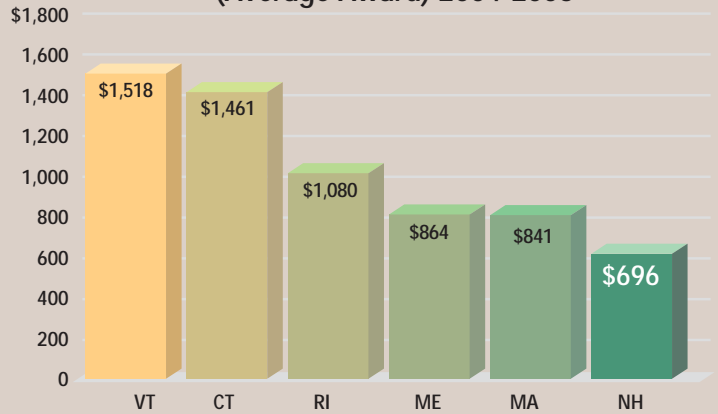
Institutional financial aid increases by 411%

- \$116 million in 1997-98
- \$592 million in 2004-05

Public 4-year resident undergraduate tuition and required fees increased by 59%

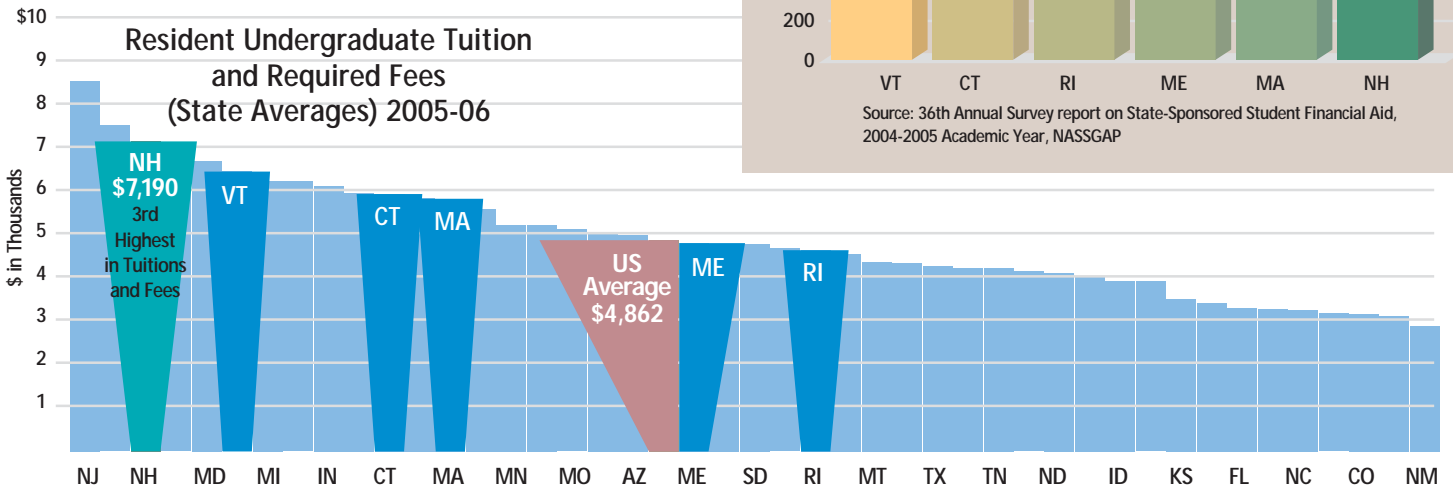
- \$4,520 in 1997-98
- \$7,190 in 2005-06

Need-Based State Grants (Average Award) 2004-2005



Source: 36th Annual Survey report on State-Sponsored Student Financial Aid, 2004-2005 Academic Year, NASSGAP

Resident Undergraduate Tuition and Required Fees (State Averages) 2005-06



Source: Higher Education Coordinating Board - 2005/2006 Washington State Tuition & Fees Report

A New Hampshire Advantage: College-Educated Citizens

PUBLIC BENEFITS

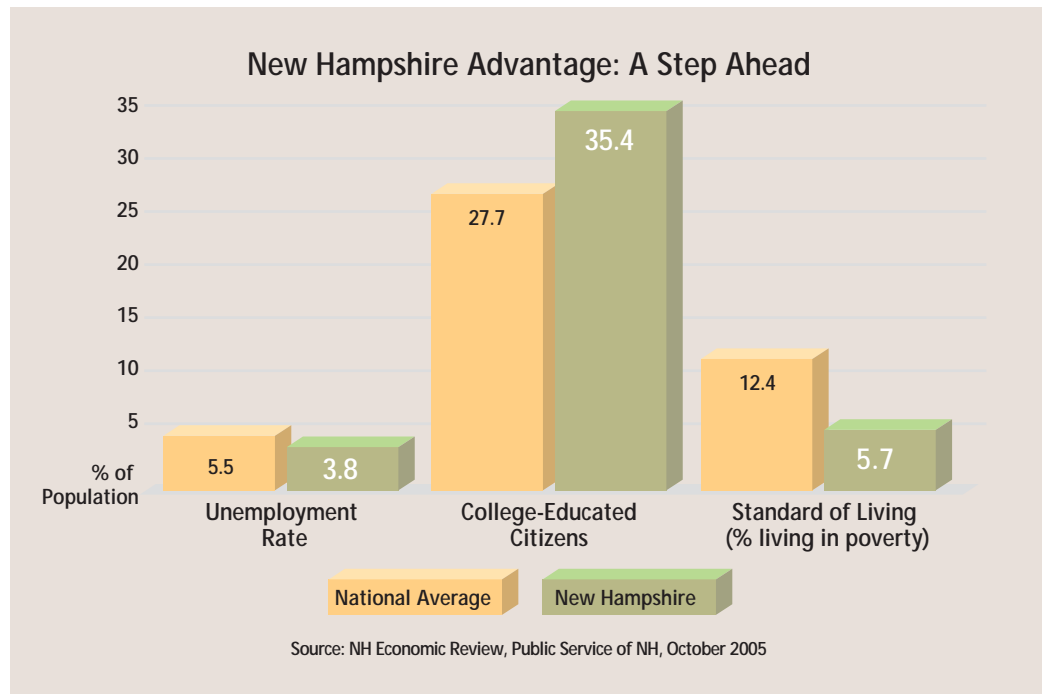
College graduates:

- Buy more goods
- Are more productive
- Require less government support through social service programs like Medicaid, Temporary Aid or Needy Families (TANF)
- Pay more taxes
- Have increased life expectancy and better general health
- Improved quality of life for self and offspring
- Increased social status
- Lower rates of incarceration
- Higher rates of volunteerism
- Higher voter participation rates

Source: Educational Policy Institute, May 2005

PRIVATE BENEFITS

- Four-year graduates make twice as much as high school graduates
- Four-year degree holders are more likely to be employed, and when unemployed, likely to find new jobs faster
- Two-year degree holders enjoy a higher quality of life from those who have only a high school diploma
- College graduates of every race, ethnicity, gender and socioeconomic groups, do better off than their non-degree holding peers
- Non-wage economic benefits accrue to degree holders of all types
- Better employee benefit packages
 - Better health care
 - Longer vacations
 - Better work conditions



Higher Education in New Hampshire Responds to Emerging Real-World Needs

The following examples profile a few efforts underway.

Pre-School to 16 (P-16) Working Group

On September 29, 2006, Governor John H. Lynch, issued an Executive Order to Establish a P-16 Working Group in New Hampshire. The purpose of the *Follow the Child Initiative* is to create a true system of education for New Hampshire that begins in early childhood, continues through college, and promotes access, success, accountability, and lifelong learning. P-16 thinking focuses on the changes needed at both the P-12 and higher education levels. The goals of P-16 are to increase access and success at all education levels by regularly assessing educational accomplishments, bridging curriculums, increasing articulation, and sharing data, including the development of a shared data system.

Project Running Start New Hampshire Community Technical College System

Created by the Community Technical College System as a partnership with the state's high schools, *Project Running Start* is a concurrent enrollment program enabling high school students to take college courses during their normal high school day. For a \$100 enrollment fee, students who successfully complete a course through *Project Running Start* receive

a college transcript with credits that transfer to colleges and universities in New Hampshire and across the country. By applying these credits toward a college degree, students can save thousands of dollars from the future cost of a college education, as well as gain experience with college-level coursework and expectations. Currently, over 3,100 high school students each year take at least one course through *Project Running Start*, which is offered at almost 70 New Hampshire high schools.

Nanotechnology Program - University of New Hampshire (UNH)

This collaborative initiative among UNH, UMass-Lowell, Northeastern University and MIT is funded by a national science foundation grant with a focus on developing new manufacturing and processes using the cutting edge techniques of nanotechnology. Nanotechnology is the engineering of molecules and atoms to create new materials for applications across almost every facet of our lives, including medicine, food, electronics, etc. The UNH program is overseen by a New Hampshire Business Advisory Board.

School of Community and Economic Development – Southern New Hampshire University

Southern New Hampshire University, School of Community and Economic

Development, trains practitioners to teach people to have control over their economic futures by developing leadership in the poorest communities and eliminating the apathy that can result from generations of poverty and neglect. The School of Community and Economic Development offers the nation's first and only accredited Master's and Ph.D. degree programs in community economic development. All coursework is shaped by the program's dual objectives of building social capital, as well as building financial capital; each becoming ends and means; neither taking precedence over the other; both serving the goal of building healthy communities.

Science and Engineering

At UNH, Kingsbury Hall will increase its size by 20% and become the home to the chemical, civil, electrical, and computer and mechanical engineering departments, as well as mathematics and statistics and computer science.

The Thayer School of Engineering at **Dartmouth College** is building a new engineering facility. The MacLean Engineering Sciences Center (ESC) will showcase key elements of the Thayer School's collaborative approach to engineering education.

Impact and Trends of New Hampshire's Colleges and Universities:
A 2007 Summary Report to New Hampshire Citizens

The Impact and Trends of New Hampshire's Colleges and Universities: A 2007 Summary Report to New Hampshire Citizens *is a publication of the New Hampshire Forum on the Future and is supported by the comprehensive report which can be found at www.nhfuture.org. The Forum hopes this information will be recognized by New Hampshire citizens and thought leaders as an important resource in addressing key questions about the future direction of our state. If it is so utilized, our purposes will be served.*

This Report is a collaboration of the following organizations:

New Hampshire College & University Council
The NHHEAF Network Organizations
New Hampshire High Technology Council
New Hampshire Postsecondary Education Commission
Campus Compact for New Hampshire
New Hampshire Community Technical College System
University System of New Hampshire

Special thanks to Dennis Delay, Economist

We thank our Sponsors for their generosity and support in underwriting the research and publication of this report.



To learn more about the changes and trends in NH, we invite you to attend the New Hampshire Forum on the Future breakfast series and other Forum events.

For more information, visit our website at www.nhfuture.org.

