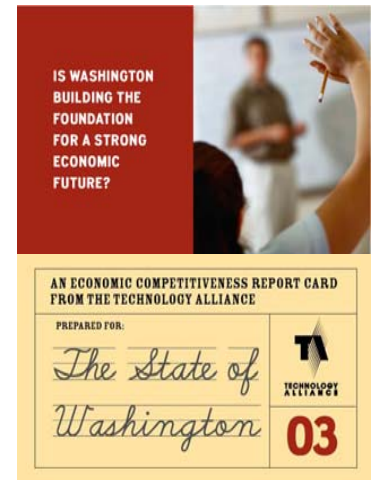


**Benchmarking  
Washington's  
Performance:  
An Interim Report**  
May 2005

## Benchmarking Washington's Performance

# Benchmarking: A Competitive Scorecard for Washington

- Measure Washington's performance in education, research and entrepreneurship – the 3 drivers of a vibrant technology-based economy
- Compare Washington to 8 peer states – competitors with strong technology economies
- Following release of first study in 2003, Technology Alliance laid out goals to improve our performance
- Interim report offers glimpse of Washington's progress to date in select metrics, pending release of second comprehensive study in 2006



Benchmarking  
Washington's  
Performance

# Our Competitors: Top Technology States...

- California
- Colorado
- Georgia
- Maryland
- Massachusetts
- Michigan
- Texas
- Virginia

...plus many other global competitors





# 2003 – 2005: The Technology Alliance Agenda for Improving Washington's Performance

- Increase research capacity
- Improve technology transfer & climate for new companies
- Improve access to bachelor's degree programs
- Increase achievement in math & science

Benchmarking  
Washington's  
Performance

# 2005 Scorecard: Education

**K-12:** Washington has made some progress on an absolute basis, but losing ground relative to other states nationally.

**Higher education:** In terms of college enrollment, we are slipping. Access and affordability remain major issues and that is reflected in these numbers. Recent funding increases from the legislature will help with capacity issues, but we are still losing ground nationally, and internationally at an even more rapid rate.





# 2005 Scorecard: Education

Proficiency of 8 <sup>th</sup> Graders in Math (NAEP)	2000	2003
<b>% Proficient</b>	<b>26%</b>	<b>32%</b>
<b>Peer rank</b>	<b>4<sup>th</sup></b>	<b>3<sup>rd</sup></b>
<b>National rank</b>	<b>10<sup>th</sup></b>	<b>14<sup>th</sup></b>



# 2005 Scorecard: Education

High School Graduation Rate	2000	2003
<b>% Graduating</b>	<b>68%</b>	<b>72%</b>
<b>Peer rank</b>	<b>5<sup>th</sup></b>	<b>6<sup>th</sup></b>
<b>National rank</b>	<b>32<sup>nd</sup></b>	<b>31<sup>st</sup></b>



# 2005 Scorecard: Education

Higher Education Enrollment	2000	2002
% of 9 <sup>th</sup> graders enrolling within 4 years	32%	30%
Peer rank	9 <sup>th</sup>	9 <sup>th</sup>
National rank	46 <sup>th</sup>	46 <sup>th</sup>



# 2005 Scorecard: Education

<b>Bachelor's Degrees Granted</b>	<b>1998</b>	<b>2001</b>
<b>% of 18-24 year old population</b>	<b>4.34%</b>	<b>4.03%</b>
<b>Peer rank</b>	<b>6<sup>th</sup></b>	<b>6<sup>th</sup></b>
<b>National rank</b>	<b>32<sup>nd</sup></b>	<b>35<sup>th</sup></b>

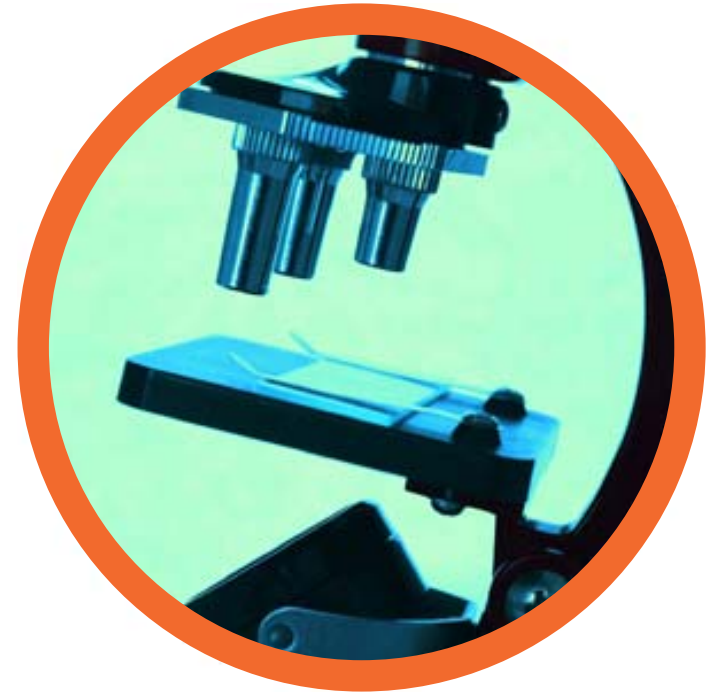
Benchmarking  
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Performance

# 2005 Scorecard: Research Capacity

**Academic R&D:** Washington universities continue to attract funding for research.

**Industry R&D:** Thanks to the investments of our local companies, we continue to do well in this indicator.

**State support for R&D:** WA ranks low on state support for R&D (46<sup>th</sup> nationally and last among our peers, on a per capita basis). The new \$350M Life Sciences Discovery Fund, which the TA helped create, will propel us into the top quartile on this metric once the full impact of the program is realized.





# 2005 Scorecard: Research Capacity

Academic Research & Development	1999	2002
Expenditures in \$ (1,000s)	588,075	748,000
Peer rank	7 <sup>th</sup>	7 <sup>th</sup>
National rank	13 <sup>th</sup>	14 <sup>th</sup>



# 2005 Scorecard: Research Capacity

Industry-performed R&D	1999	2002
Expenditures in \$ (1,000s)	7,231,000	8,579,000
Peer rank (per capita)	3 <sup>rd</sup>	2 <sup>nd</sup>
National rank (per capita)	4 <sup>th</sup>	4 <sup>th</sup>

Benchmarking  
Washington's  
Performance

# 2005 Scorecard: Entrepreneurial Climate

**Availability of capital:** Washington saw a marked increase between 2003 and 2004 in the amount of venture capital dollars and number of companies funded in our state.

**Workforce:** Despite the economic downturn in the early 2000's and departure of many scientists and engineers, we held our own among our peers and our relative position for bio scientists is very good.

**Tech Transfer:** Recent changes to the state ethics law will allow our universities to more effectively manage the tech transfer process and foster commercialization of new technologies and research discoveries.





# 2005 Scorecard: Entrepreneurial Climate

Workforce (peer rankings, per capita)	2000	2002
<b>Selected Scientists &amp; Engineers</b>	<b>5<sup>th</sup></b>	<b>5<sup>th</sup></b>
<b>Computer &amp; Information Science Experts</b>	<b>5<sup>th</sup></b>	<b>5<sup>th</sup></b>
<b>Life &amp; Physical Scientists</b>	<b>6<sup>th</sup></b>	<b>4<sup>th</sup></b>



## 2005 Scorecard: Entrepreneurial Climate

Venture Capital Investment	2002-03	2003-04
Investment in \$ millions	400.0	868.3
Number of deals	78	117
Peer rank by investment \$	7 <sup>th</sup>	6 <sup>th</sup>



Benchmarking  
Washington's  
Performance

# Next Steps: Track Our Progress and Continue to Advocate for Needed Change

- Encourage young companies
- Strengthen K-12 math & science programs
- Increase graduation rates
- Increase strength and capacity of our higher education system