

College Readiness and Completion

Part I: Readiness

Offices of the President, Academic Affairs, & Student Affairs
UW Board of Trustees
May 5, 2011



UNIVERSITY OF WYOMING

Introduction

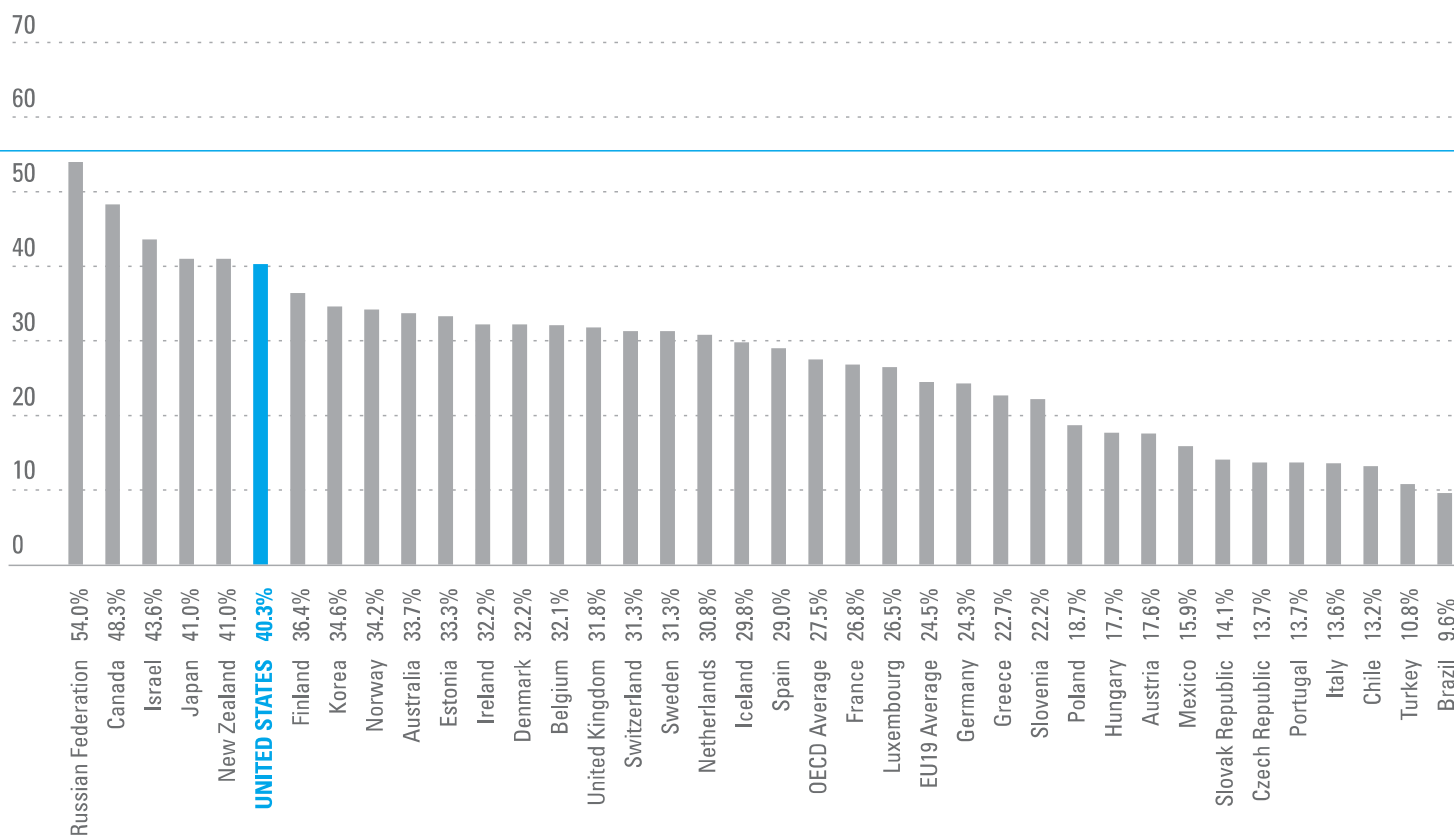
- **First Wyoming high school students completing the Hathaway Success Curriculum enter college in Fall 2011.**
- **In this presentation we summarize the current data on Wyoming college readiness and completion.**
- **We will monitor these data annually to determine effect of Hathaway Success Curriculum on student success.**



Percentage of 25- to 64-Year-Olds with an Associate Degree or Higher, 2007

Source: Organisation for Economic and Co-operative Development, 2009

5
Countries
▲
United States
▼
30
Countries



Source: completionagenda.collegeboard.org

The case for higher education



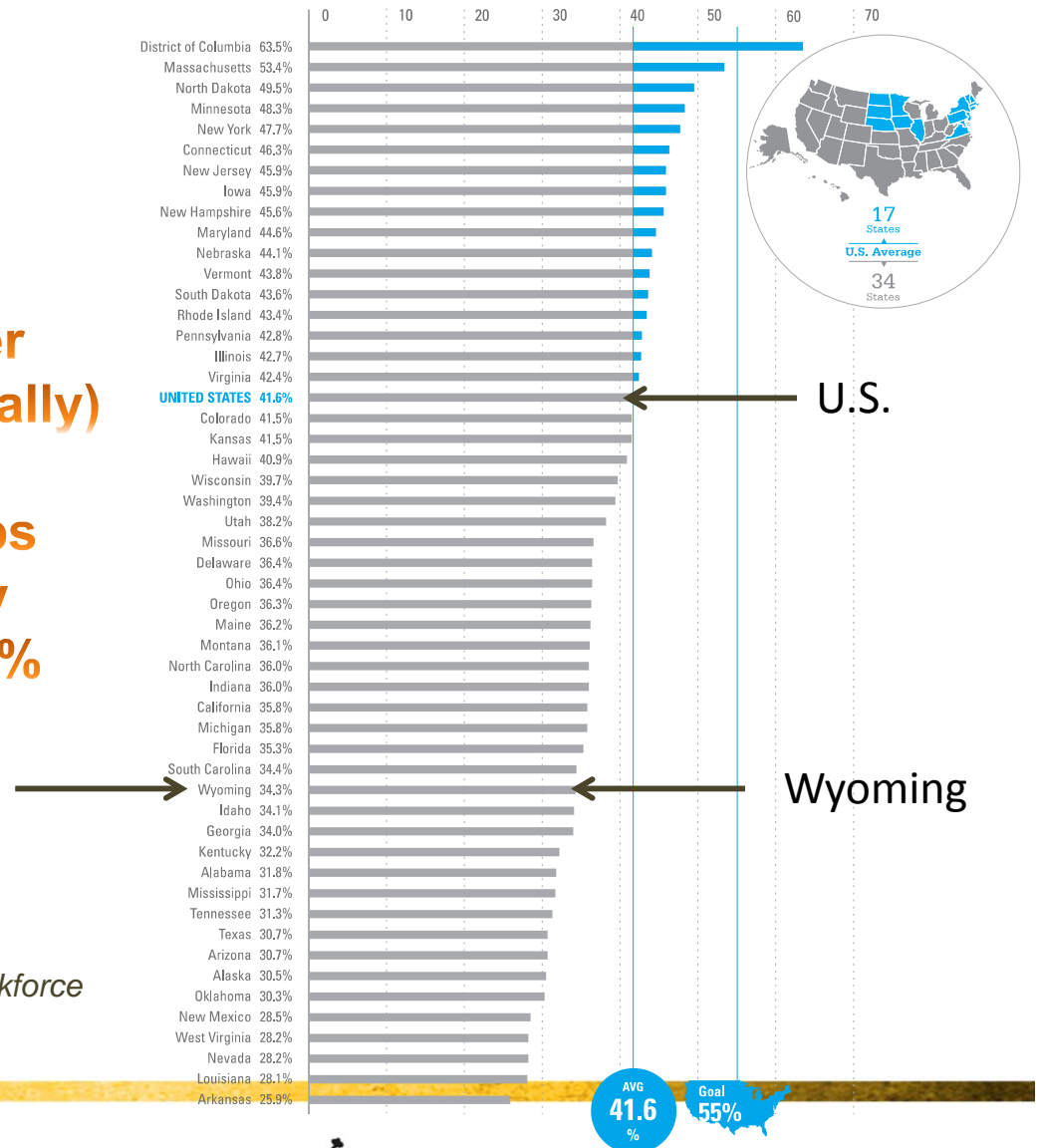
Wyoming's situation

- In 2008, 34.3% of Wyoming 25-34 year olds had an associates degree or higher (compared to 41.6% nationally)
- In 2018 62% of Wyoming jobs will require post-secondary education (compared to 63% nationally)

Sources: completionagenda.collegeboard.org;
Georgetown University Center on Education and Workforce

Percentage of 25- to 34-Year-Olds with an Associate Degree or Higher in the United States by State Rank, 2008

Source: U.S. Census Bureau, American Community Survey (ACS) and Current Population Survey (CPS), 2010
Note: State level data were calculated using ACS while the national number is based on CPS.



Focus on undergraduate degree completion

1. K-12 to College Pipeline

- Improve college readiness
- Tie scholarships to high school preparation
- Create an aspirational culture in K-12 students

2. Increase rate of student completion

- Encourage academic performance and persistence
- Provide opportunities for student engagement
- Reduce time to degree

UW's Higher Ed Goals



Wyoming compared to states with top high school graduation rates

State	9 th graders	High school graduates	Enter college anywhere in U.S.
Iowa	100	84	54
North Dakota	100	82	55
Massachusetts	100	77	58
Wyoming (numbers of students)	100 (7355)	75 (5494)	44 (3262)

Source: HigherEdInfo.org (2008 data)

Challenge



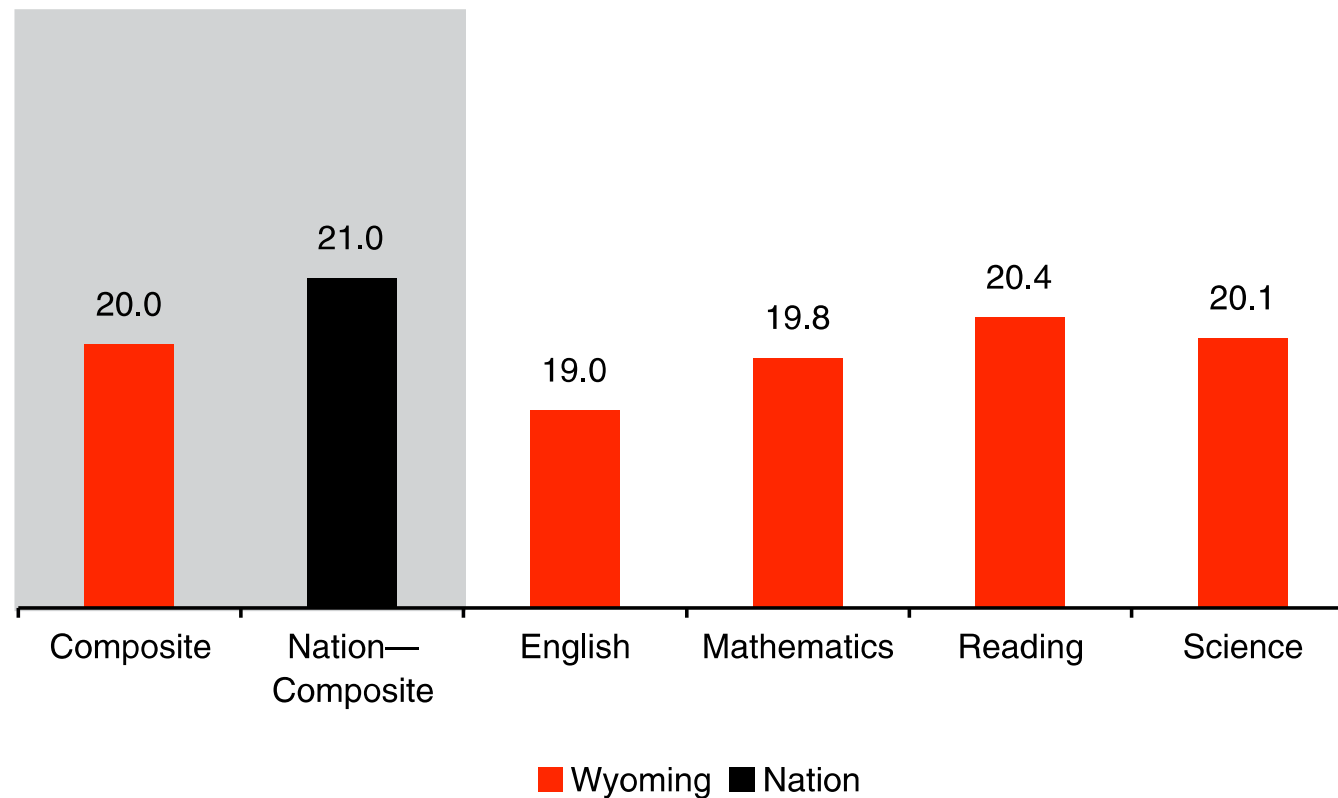
To increase numbers of well-prepared Wyoming students entering college:

- Improve college readiness
- Tie scholarships to high school preparation
- Create an aspirational culture in K-12 students



College readiness in Wyoming

Average ACT scores, 2010



Source: www.act.org

Student readiness correlates to college graduation rate

- 71% of students who enroll in a rigorous academic curriculum in high school persist to complete a bachelor's degree
- Includes 1st generation students

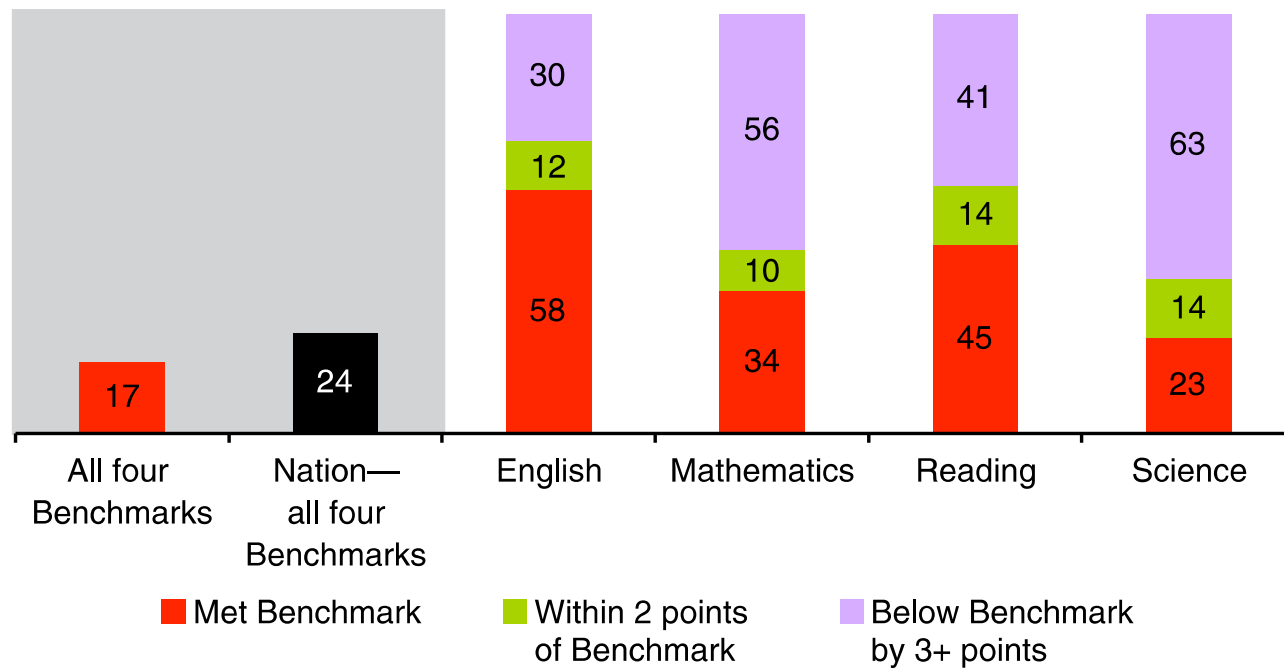
Sources: CHEPA, 2003, *Preparing for College, Building Expectations, Changing Realities*
www.usc.edu/dept/chepa/pdf/CollegePrep.pdf



State of college readiness in Wyoming

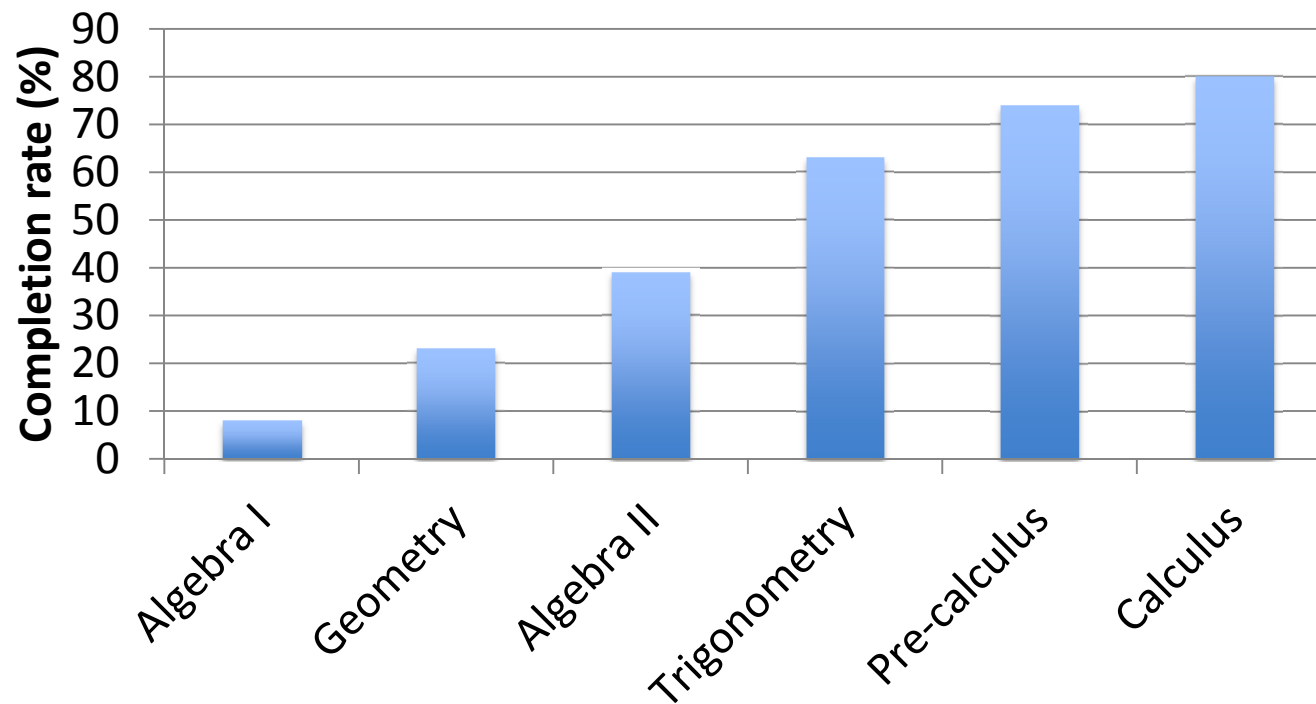
State of college readiness in Wyoming

Percent of ACT-tested high school graduates meeting College Readiness Benchmarks, 2010



Rigorous high school math curriculum increases retention

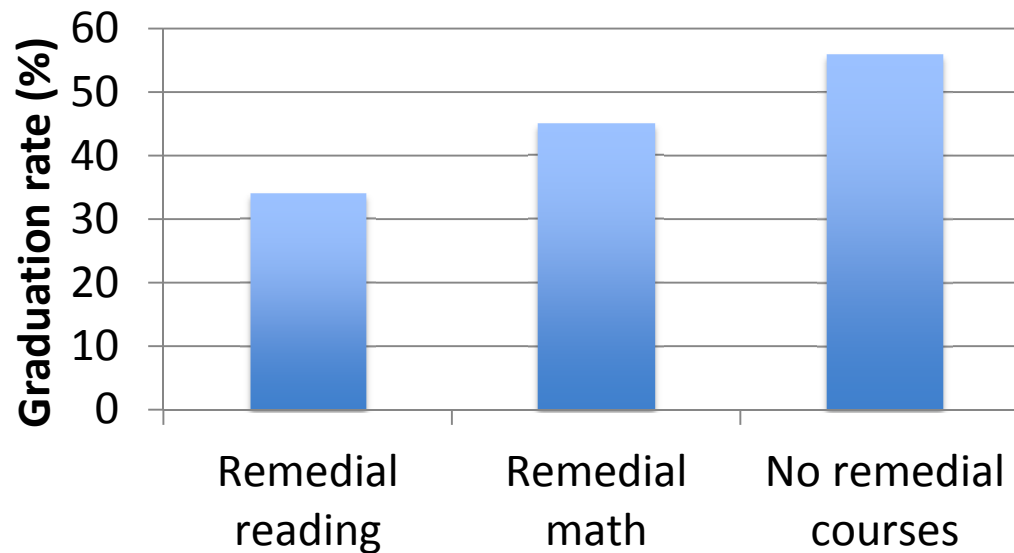
U.S. Bachelor's completion rates by highest level of high school math



Source: Clifford Adelman (1999) Answers in the Toolbox

Student readiness correlates to graduation rate

- Nationally, college graduation rate is highest for students who do not need remedial courses:



- 42% of Wyoming high school graduates need remedial math when they enroll in Wyoming community colleges or U.W.
- 17% of Wyoming high school graduates take remedial math when they enroll in UW.

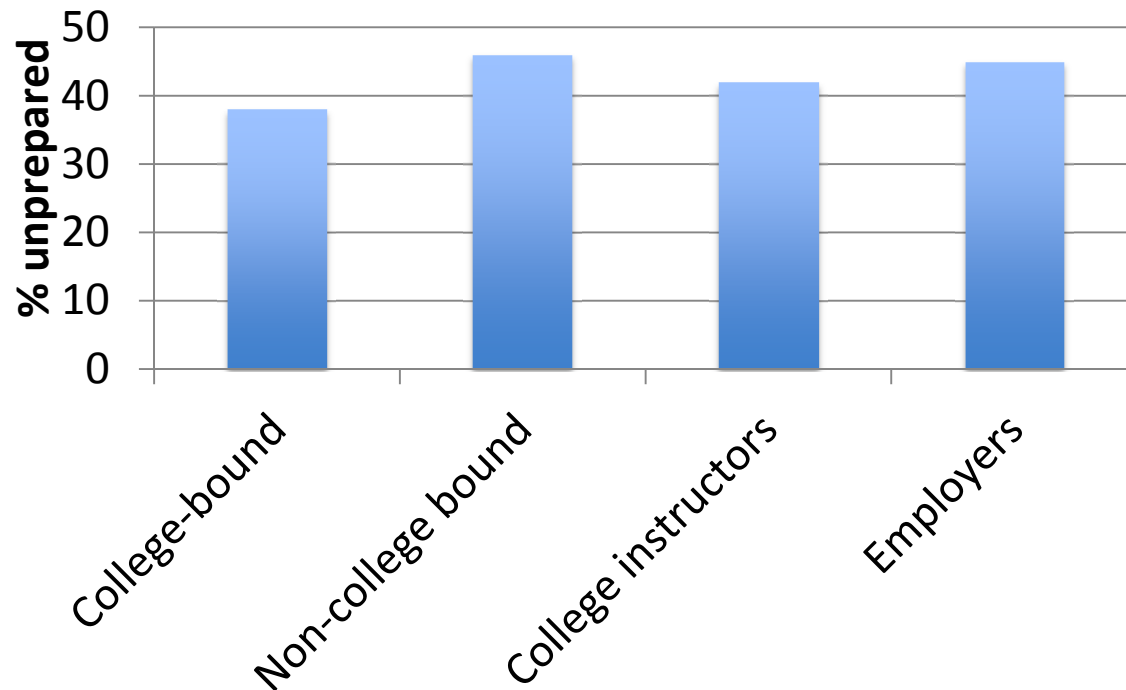


Sources: UW OIA, *The Bridge Project: Betraying the College Dream* (2003) www.stanford.edu/group/bridgeproject (Chart D)

Student readiness: are students prepared?

The opinion of:

- 1500 recent high school graduates,
- 400 employers,
- 300 college instructors



Source: Achieve, Inc., 2004

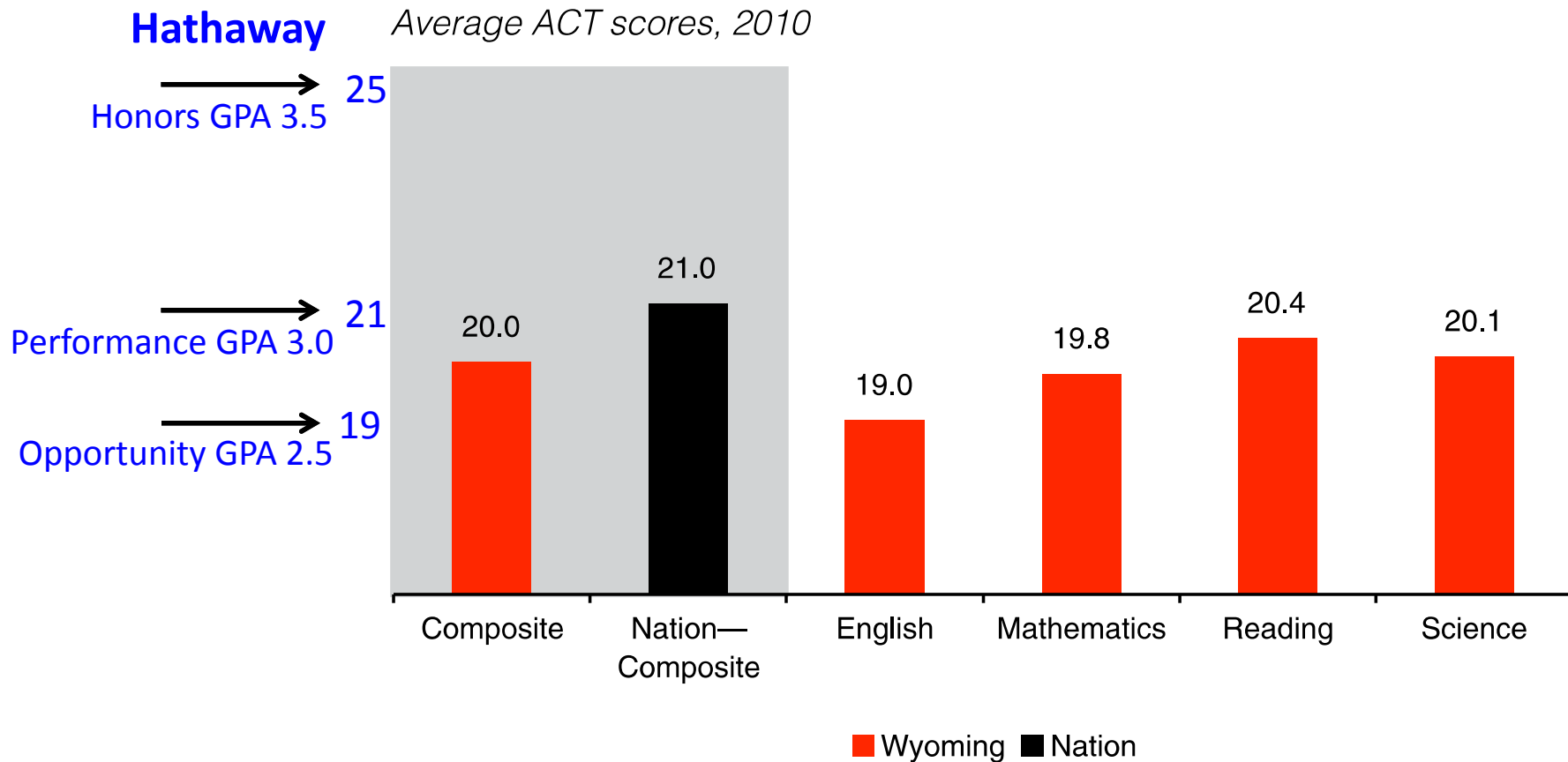
College readiness: UW admission requirements and Hathaway Success Curriculum

	Wyoming HS graduation/UW admissions	Hathaway Success Curriculum	US Dept of Ed and College Board recommendations
English	4	4	4
Math	3	4	4
Science	3	4	3
Social Studies	3	3	3
Foreign Language		2	3
Arts			1
Honors/AP			yes

Sources: completionagenda.collegeboard.org, edu.wyoming.gov/Programs/hathaway/, uwyo.edu

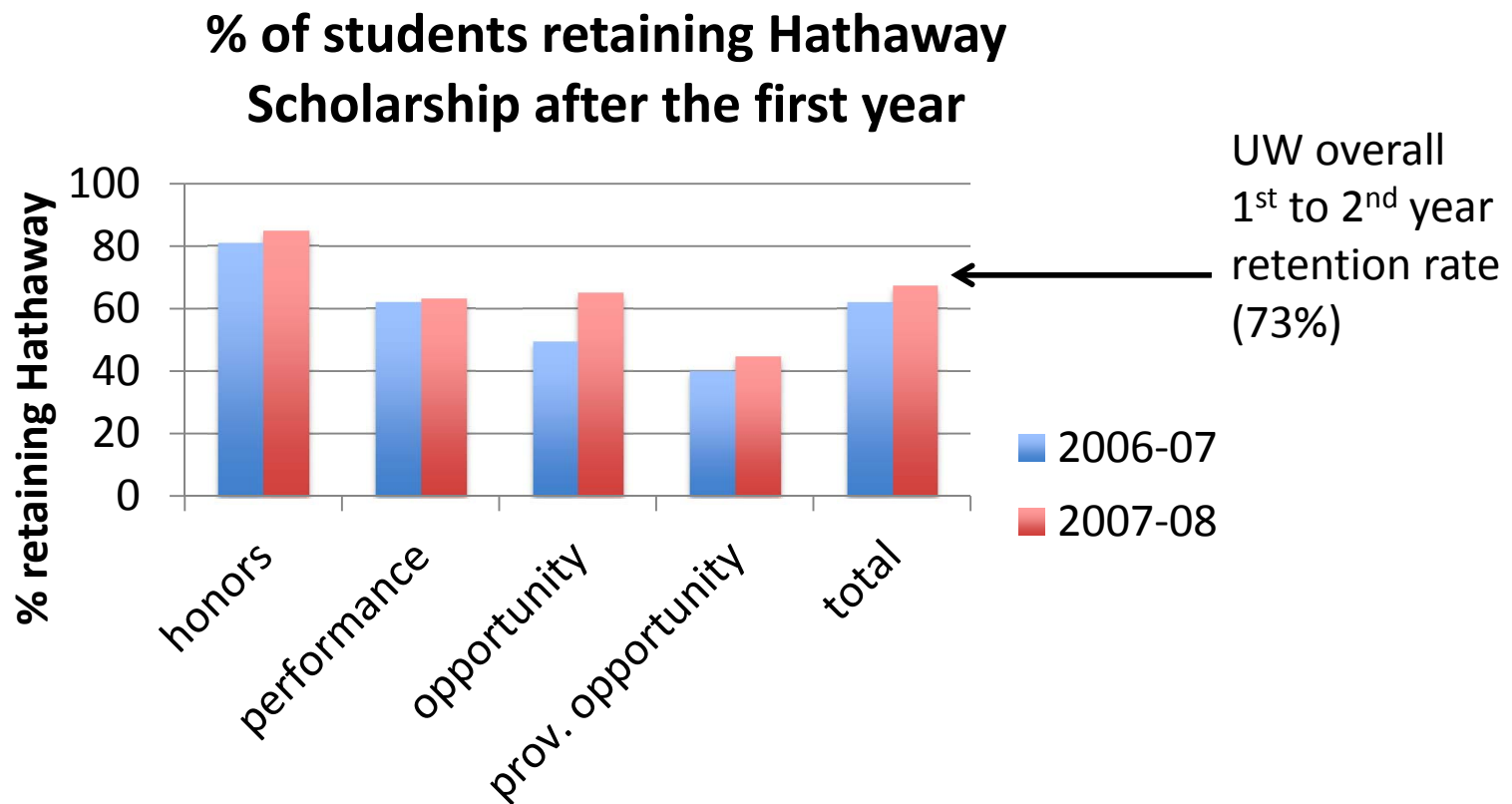


College readiness: Hathaway scholarship ACT score requirements



Source: www.act.org

College readiness: Financial support alone is not sufficient



Source: WY Dept of Ed Hathaway Scholarship Statistics

Transition from K-12 to college: Improving the aspirations of K-12 students

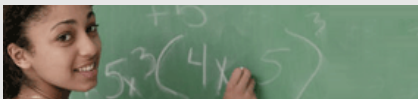
K-12 students need to understand that education really matters!

South Carolina's Personal Pathways to Success




Students - Start your planning today!

Learn about and make plans for college and career success with the [South Carolina College & Career Planning System](#). Click on [Log In](#) or [New Users](#) to start your lifelong career portfolio and get more information on the planning process.



K-12 Students

Use the *South Carolina College & Career Planning System* to create a portfolio, explore education and careers, access your IGP, and learn about extended learning opportunities.



College Students

Make sure you're on track! Use the *South Carolina College & Career Planning System* to evaluate your college path, view South Carolina colleges, and make future plans.

Starting in 8th grade, students create Individual Graduation Plans that focus on their chosen career cluster (for example, IT). Some of their curriculum is then geared toward the cluster area and they have the opportunity for work experience and internships.

North Carolina has a similar program.



Sources: www.scpathways.org



Transition from K-12 to college: Improving the aspirations of K-12 students

All students are entered into Arkansas' Smart Core curriculum unless the parents sign to opt them out.

SMART CORE INFORMED CONSENT FORM (GRADUATING CLASS OF 2014 AND AFTER)

Name of Student: _____

Name of Parent/Guardian: _____

Name of District: _____

Name of School: _____

Smart Core is Arkansas's college- and career-ready curriculum for high school students.

College- and career-readiness in Arkansas means that students are prepared for success in entry-level, credit-bearing courses at two-year and four-year colleges and universities, in technical postsecondary training, and in well-paid jobs that support families and have pathways to advancement. To be college- and career ready, students need to be adept problem solvers and critical thinkers who can contribute and apply their knowledge in novel contexts and unforeseen situations. Smart Core *is the foundation* for college- and career-readiness. All students should supplement with additional rigorous coursework within their career focus.



Sources:
arkansased.org/educators/pdf/curriculum/smartcore_consent_2014_021710.pdf

Transition from K-12 to college: Indiana's 21st C Scholars

Indiana's 21st C Scholars Program was founded in 1990.

Income-eligible 6th, 7th and 8th graders that enroll in the program and fulfill a pledge of good citizenship are guaranteed the cost of 4 years of college tuition at participating Indiana colleges.

Between 1986 and 2004, college-continuance rate soared 88% from 33% to 62%. Indiana's ranking among states rose from 28th to 10th (www.postsecondary.org).

Sources: www.scpathways.org, Lumina Foundation, 2008, *Results and Reflections: Indiana's 21st C Scholars program*.
www.luminafoundation.org/publications/Results_and_Reflections-21st_Century_Scholars.pdf

Home | About Us | Order Materials | Contact Us |

Your college and career con

CAREERS COLLEGE K-12 ACADEMICS NEED TO KNOW

Home > COLLEGE > Paying > 21st Century Scholars

SHARE

Recruitment Video

Quinn Buckner
Indiana Tech

21st Century Scholars

Since the beginning of the program in 1990, the Twenty-first Century Scholars GEAR UP Program has had a to increase high school and college graduation rates among moderate-to low-income students living in the state of Indiana.

Download Videos

My e-Planner

Login Register

About e-Planner

Income-eligible 6th, 7th and 8th grade students that enroll in the program and fulfill a pledge of good citizenship are guaranteed the cost of four years of college tuition at any participating public college or university in Indiana. If they attend a private or independent institution, the state will award an amount comparable to that of a public institution. If they attend a participating proprietary (private career) school, the state will award a tuition scholarship equal to that of Ivy Tech Community College of Indiana.

But first you have to apply. Students and their parents must complete and return the application by June 30 of the 8th grade year. Email us today at SSACI/Scholars (21stScholars@ssaci.in.gov).



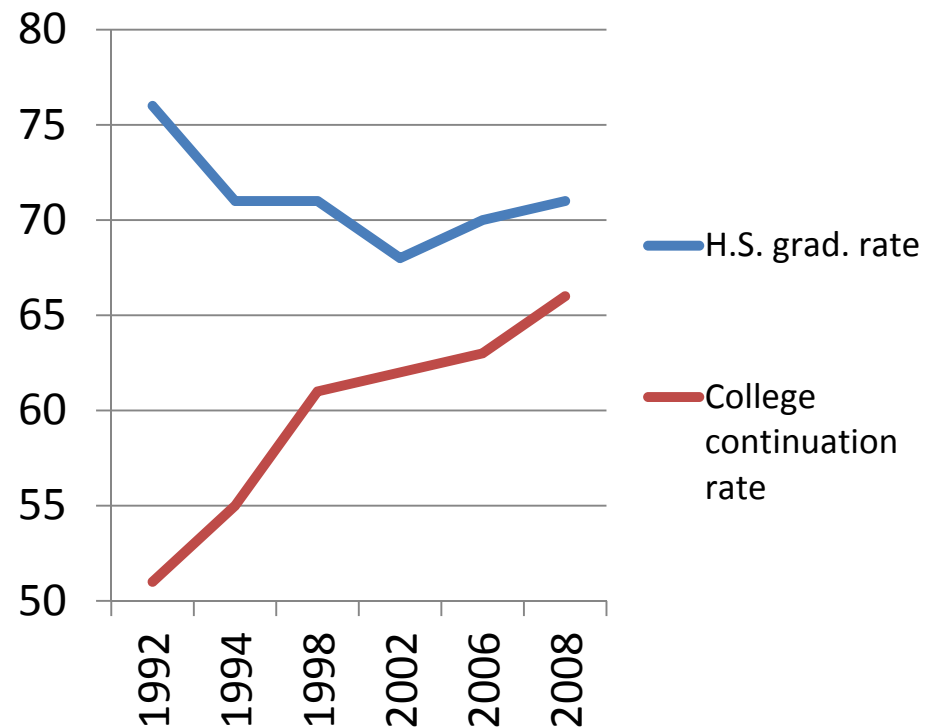
Indiana's 21st C Scholars

Being a Scholar improved the chance of earning an honors high school diploma by 37%.

Scholars were 50% more likely to be in college within 4 years after 9th grade than non-Scholars.

However, persistence of Scholars is disappointing. Only 1/3 earned a bachelor's degree within 6 years of high school graduation.

Indiana's college participation



Sources: www.higheredinfo.org, Lumina Foundation, 2008, Results and Reflections: Indiana's 21st C Scholars program. www.luminafoundation.org/publications/Results_and_Reflections-21st_Century_Scholars.pdf



College readiness and completion

- It is possible for states to improve their college readiness and higher education participation rates
- Successful programs focus on:
 - rigorous curricula
 - financial support for well-prepared students
 - creating an aspirational culture
- **Results take time—a decade or more**

Sources: higheredinfo.org



Questions

- 1. Are UW admissions standards sufficiently rigorous?
How do we initiate this discussion?**
- 2. What is the best way for UW to contribute to discussions of Hathaway Scholarship ACT, GPA and curricular requirements?**
- 3. How can we help foster a “higher ed culture” in Wyoming?**

Summary



College Readiness and Completion

Part II: Persistence and Completion

Offices of the President, Academic Affairs, & Student Affairs
UW Board of Trustees
May 5, 2011



UNIVERSITY OF WYOMING

Question:

Are our admissions requirements set to maximize college success?



Wyoming compared to states with top high school graduation rates (2008)

State	Enter college	Full-time students still enrolled sophomore yr.	Graduate within 150% of time	Attrition after sophomore year
Iowa	100	78	61	-17
North Dakota	100	79	46	-33
Massachusetts	100	83	69	-14
Wyoming	100	72	53	-19

UW loses students in the first year

UW needs to retain students who persist into the sophomore year



Source: HigherInfoEd.org (2008 data)

College Completion and Student Success

- Encourage academic performance and persistence
- Provide opportunities for student engagement
- Reduce time to degree

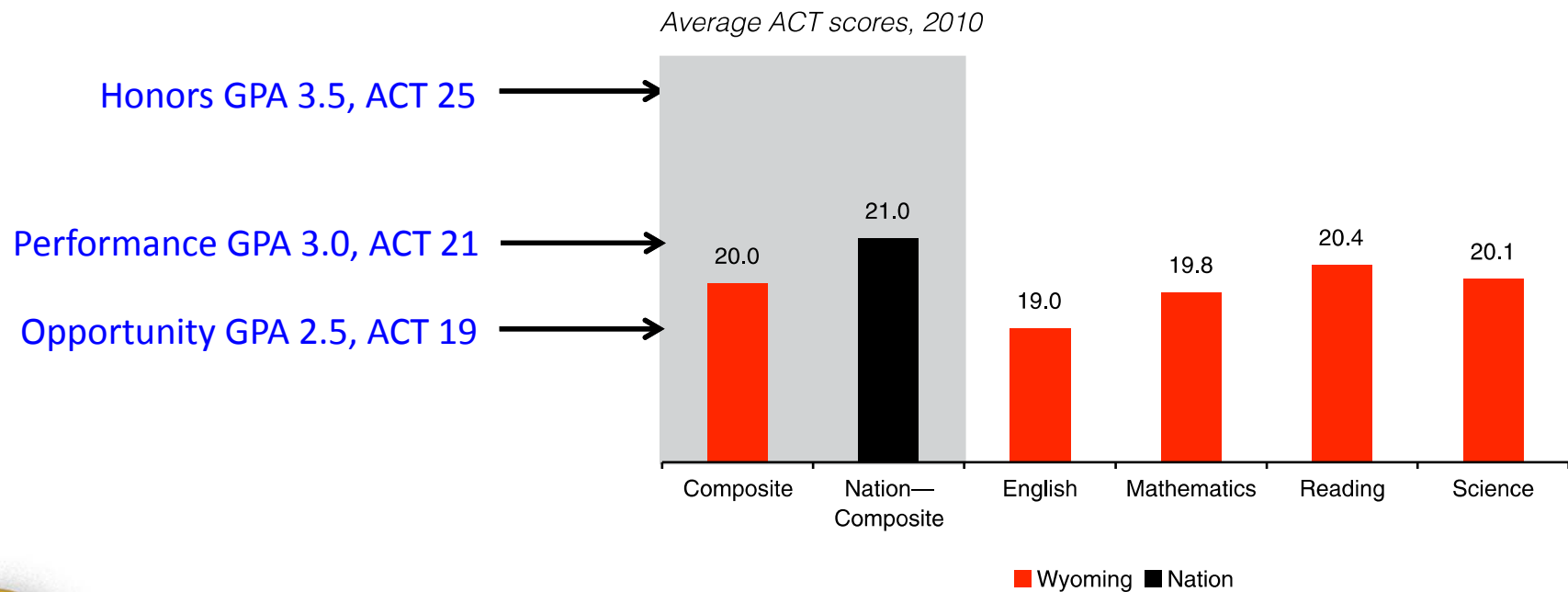


Fall 2010 Incoming 1st-year Students

Average ACT = 24.2

Average High School GPA = 3.43

Conditional admissions: 7% of residents
17% of non-residents

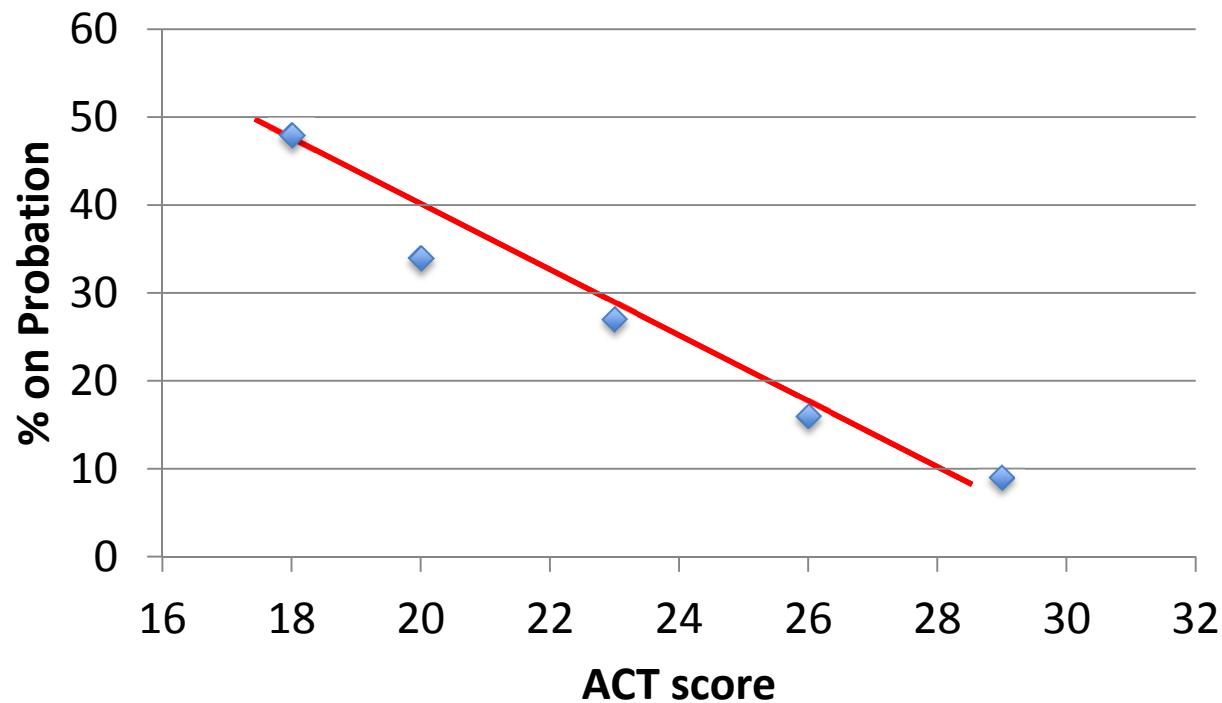


Sources: UW Report to Legislators, OIA

Academic Performance

ACT is a predictor of 1st year academic performance

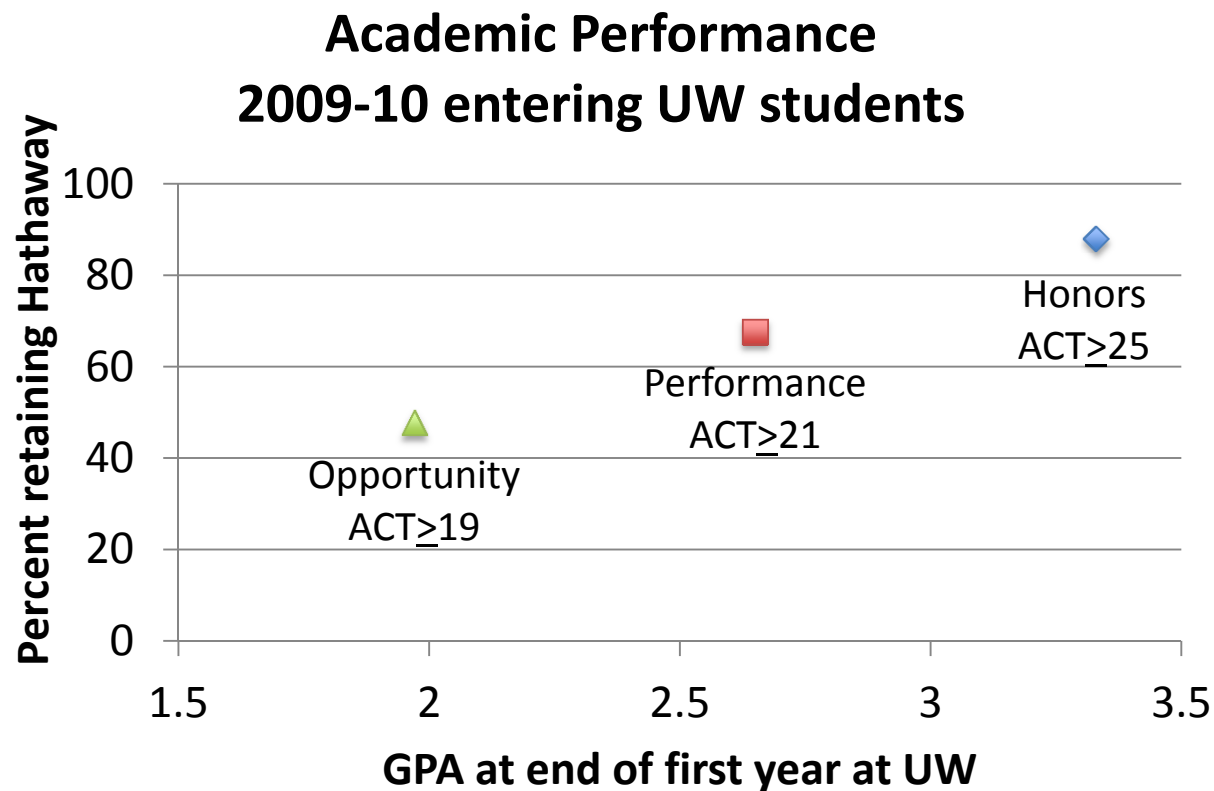
UW first semester 1st year probation rates



Sources: UW OIA

Academic Performance

1st year academic performance is most important factor in retention

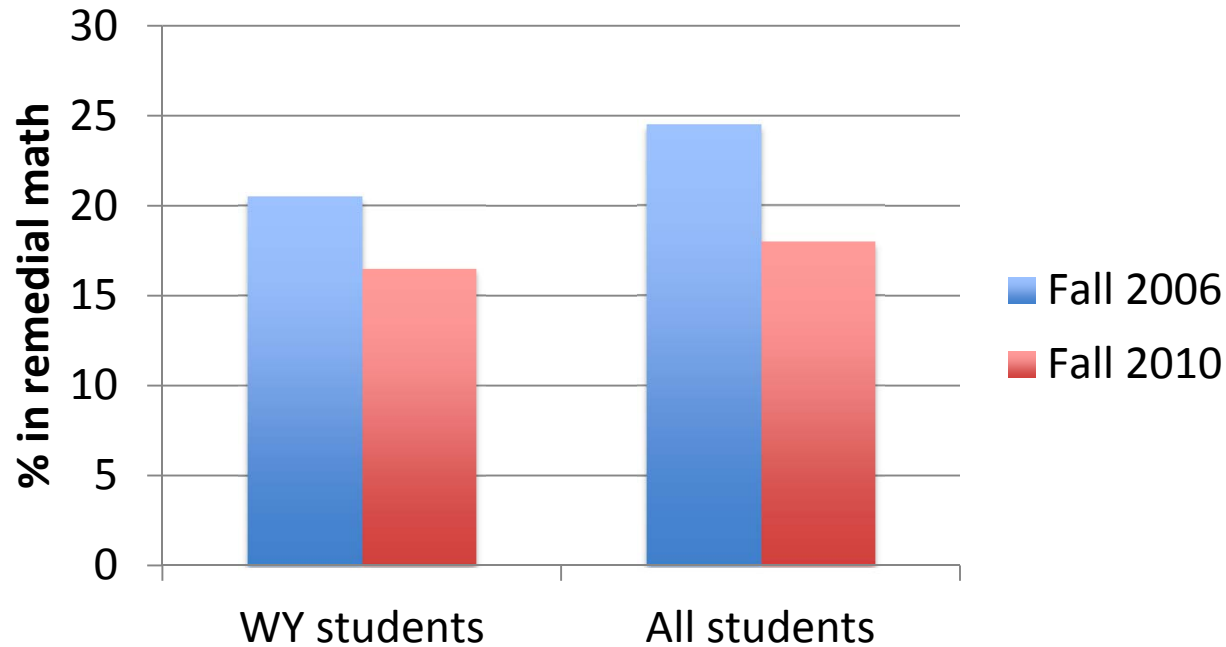


Sources: WY Dept. of Ed.; UW Office of the Registrar

Academic performance

Although many students needing remedial courses go to community colleges, not all UW students come prepared

% of UW students taking remedial math
the first fall of attendance



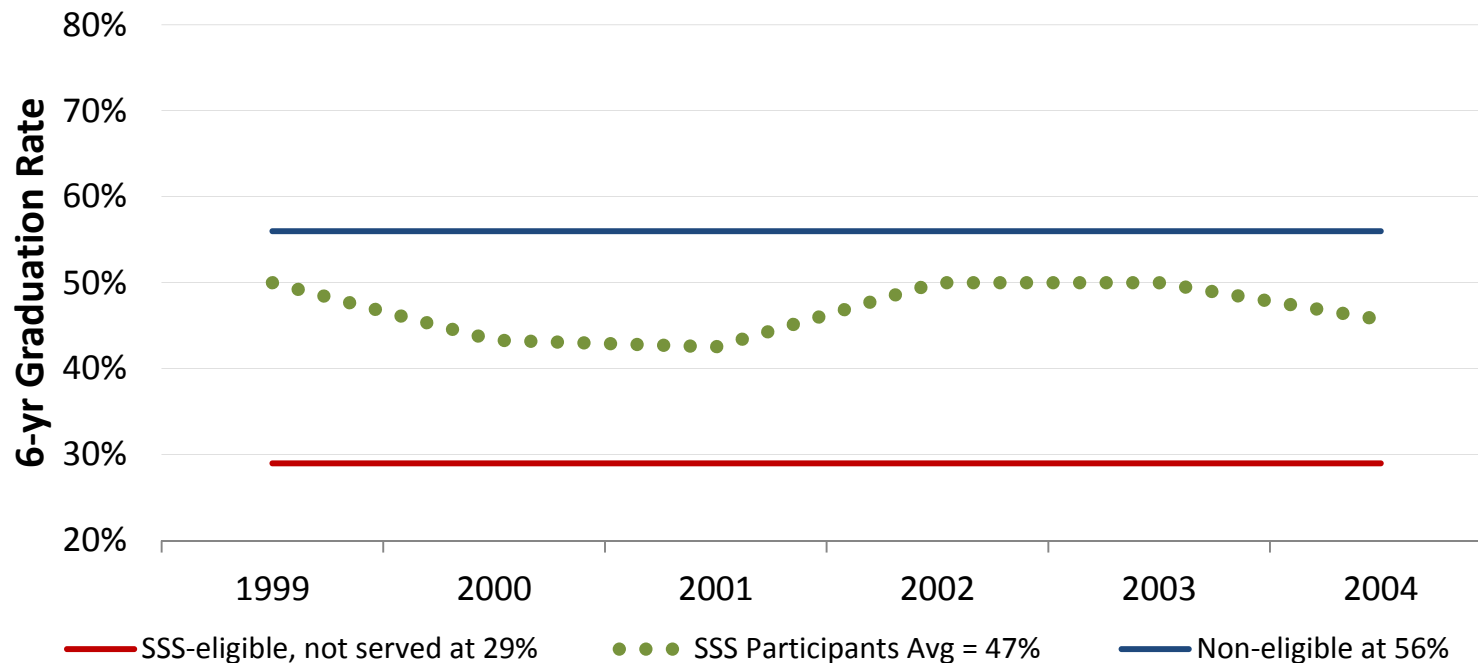
Sources: UW OIA

Academic persistence:

Role of UW student support services

Six-year Graduation Rate

(SSS-eligible = first generation student and/or low-income student and/or student with a disability + ACT Composite Score <21)



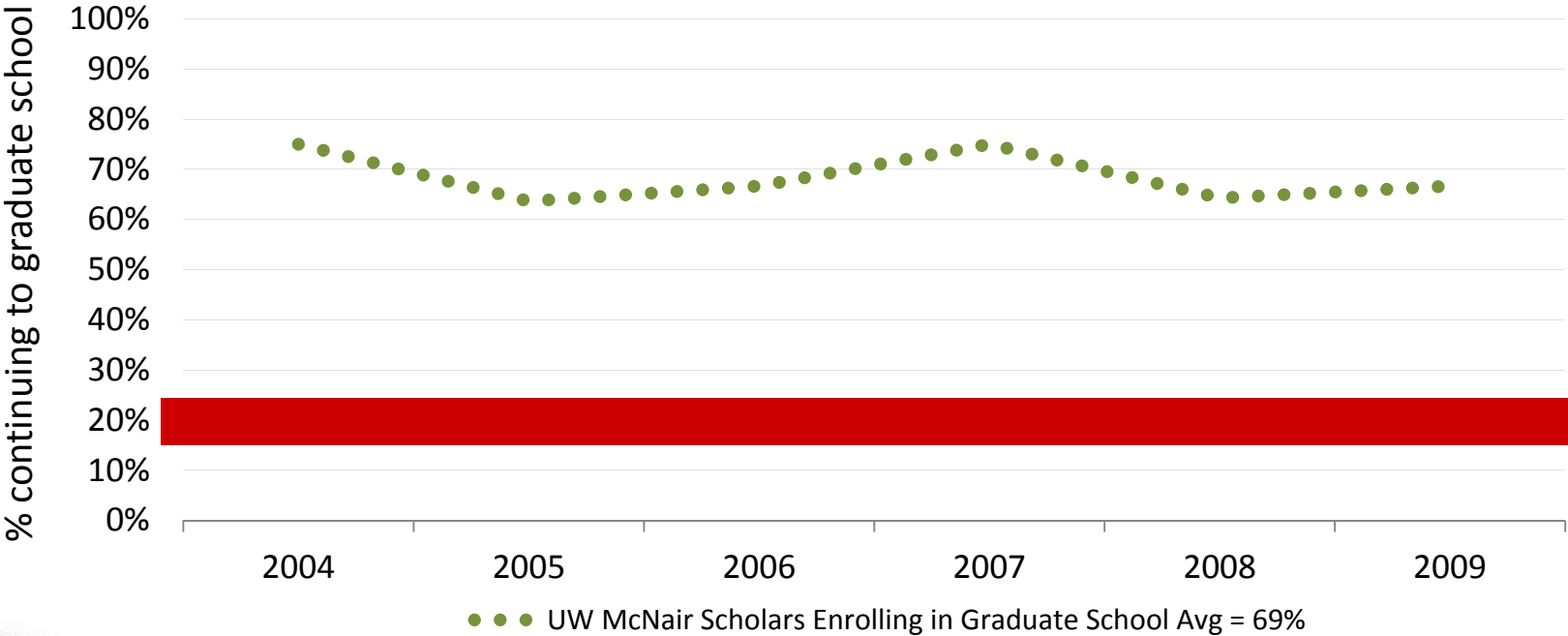
Sources: UW OIA

Academic persistence:

Role of UW student support services

UW McNair Scholars Enrolling in Graduate School

McNair-eligible = First Generation and Low-income student
or Eligible Ethnic Minority Student: Hispanic/Latino(a),
African-American, or Native American



■ National Avg for Low-income/First Generation and Ethnic Minority Graduate School Enrollment at 16%-23%



Sources: UW OIA

Student Support Services: examples

Federal programs

Program	Target population	Number served	Cost per student	Total cost
TRiO	Low income, 1 st generation	2,650	\$566	\$1.5M
GEAR UP	Low income h.s. students	2,300	\$3043	\$7M
Student success	Low-income, 1 st gen., disabilities	230	\$1587	\$365K
McNair Scholars	Low-income, 1 st gen., minorities	32	\$9000	\$288K



Sources: OIA, UW Student Affairs

Student Support Services: examples

UW-funded programs:

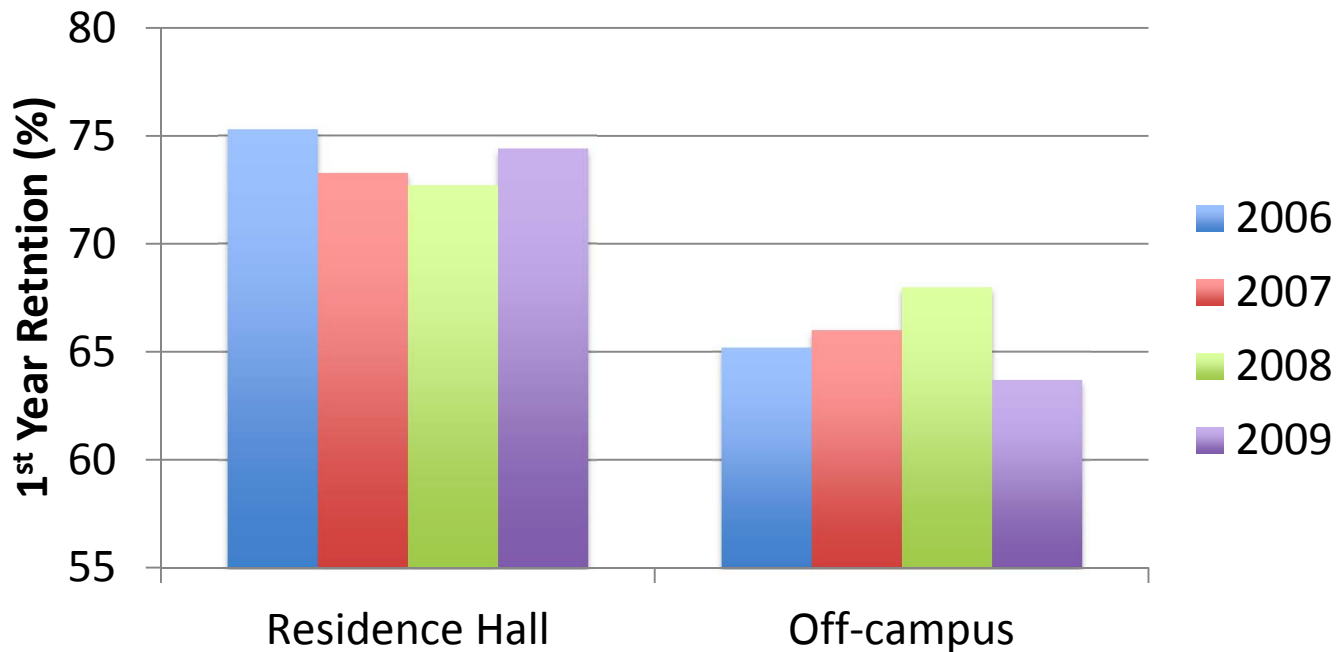
Program	Target population	Number served	Cost per student	Total cost
Writing center	All	2,500	\$32	\$80K
Career services	All	1,900	\$88	\$168K
Math lab	All	1,300	\$46	\$60K
Synergy	Academically underprepared	150	\$467	\$70K



Sources: OIA, UW Student Affairs

Student engagement is a second important factor in retention

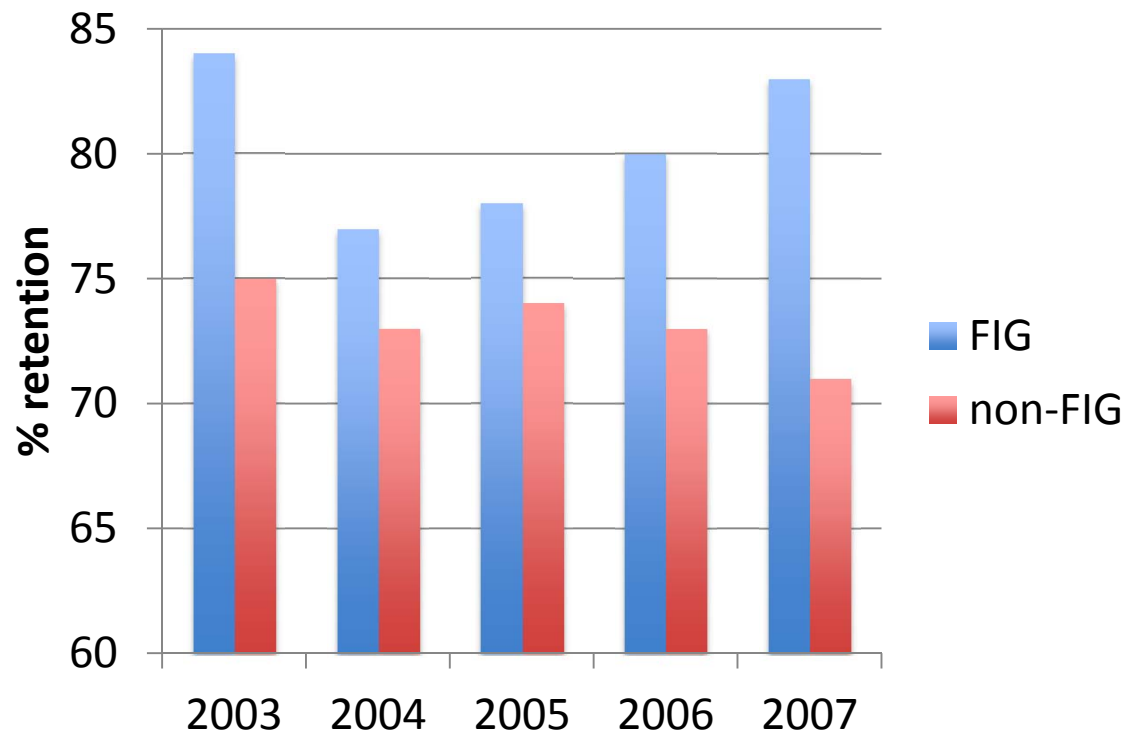
Students living in residence halls have higher 1st year retention rates



Sources: UW OIA

Student Engagement

Students in First-year Interest Groups (FIG) have higher retention rates



Sources: UW OIA

Student Academic Engagement

- Working one-on-one with a faculty member
- Participating in undergraduate research
300 students participated in UW's 2011 URD

UW students participating in undergraduate research report that it is one of the most significant of their UW experiences

Prof. Art Snoke with geology student



Sources: UW News, collegeboardagenda.com

Student engagement is an important factor in retention

Whether they work in a faculty member's lab, or participate in Outdoor Programs, or join student organizations

Academic and social engagement makes a difference



Prof. Teena Gabrielson with ENR Capstone students 2008



Time to degree

Why is this important?

Every extra year students stay in college:

- their chance of graduating decreases,
- it costs students and the state dollars that could support other students.
- Wyoming loses dollars in lost wages and contributions to the state's workforce.



Time to degree

Percentage of all first-time, full-time students entering in the fall seeking bachelors degrees who complete bachelors degrees within 6 years:

Top 5 states

State	6-year graduation rate
Massachusetts	69.1%
Pennsylvania	65.4%
Maryland	65.3%
Washington	64.5%
Vermont	64.4%
US average	55.9%
Wyoming	52.5%



Sources: Higherinfo.org 2008 data

Core curriculum: streamlined, meaningful learning

Premises of the University Studies Program review:

- The baccalaureate is a four-year degree
- The core curriculum should promote desired learning outcomes

University Studies Program review charge:

- streamline the USP curriculum,
- reduce the number of constraints on undergraduates
- increase the simplicity and clarity of the system for students and their advisors.



Source: www.uwyo.edu/acadaffairs/

Questions:

- 1. Are we focusing our student support services and resources where they will have the most impact on student performance and persistence?*
- 2. Do our academic programs promote student engagement and timely degree completion?*
- 3. Are our admissions requirements set to maximize college success?**

..to be continued

