Recent Findings of HEQCO-Sponsored Research

HEQCO Research Conference on Enhancing Student Success in Ontario Higher Education

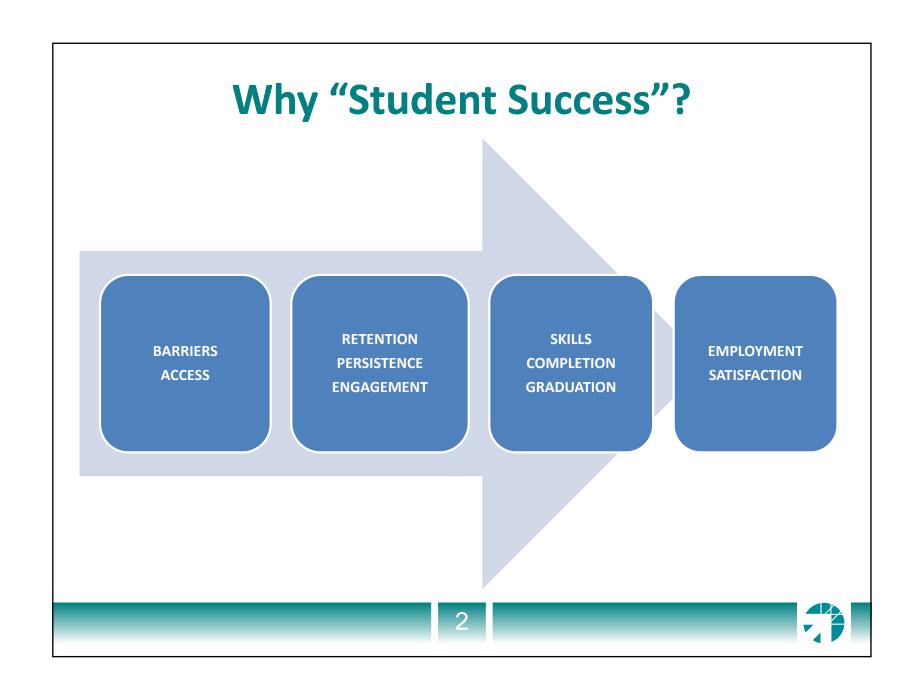
Tuesday, June 29, 2010

Ryerson University, Toronto

Richard Dominic Wiggers
Research Director



An agency of the Government of Ontario



Why Worry About Student Success?

Personal/Student (and Family/Parent)

- Perceived need/desire for PSE credential
- Investment of time, funds and effort

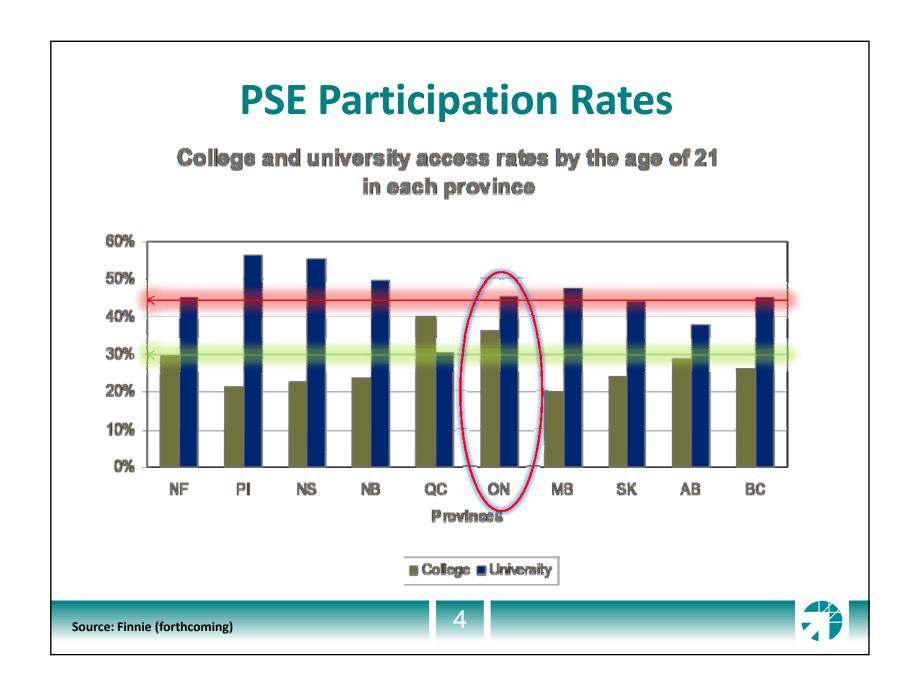
Institutional

- Investment in recruiting & orienting new students
- Institutional reputation/key performance indicators (KPIs)

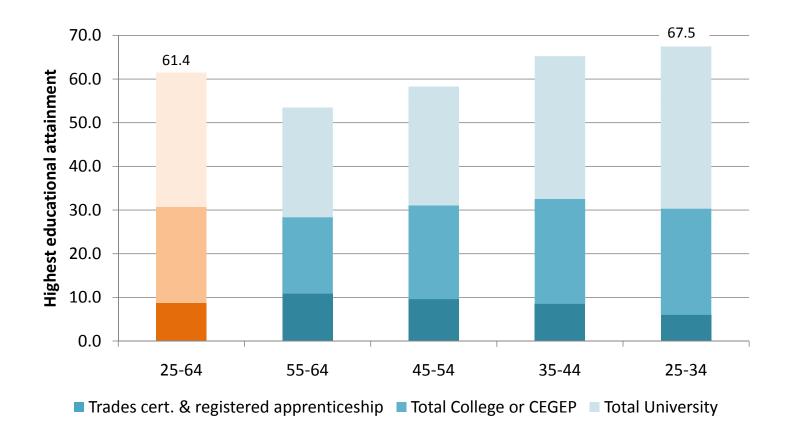
Government/Social

- Concern about satisfaction with PSE investments
- Need for citizens/employees with "relevant" skills/credentials



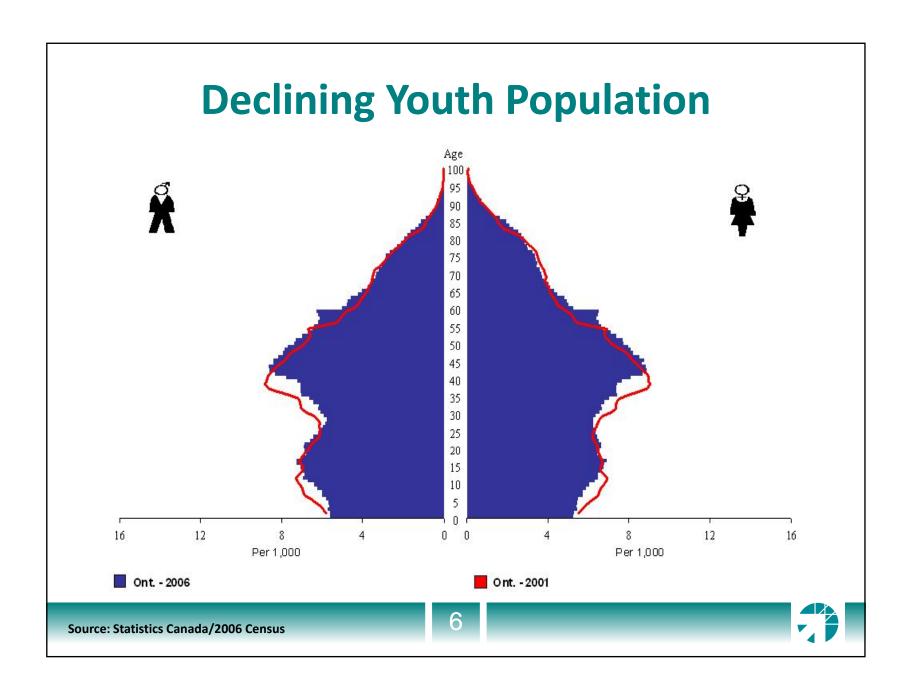


PSE Attainment Rate

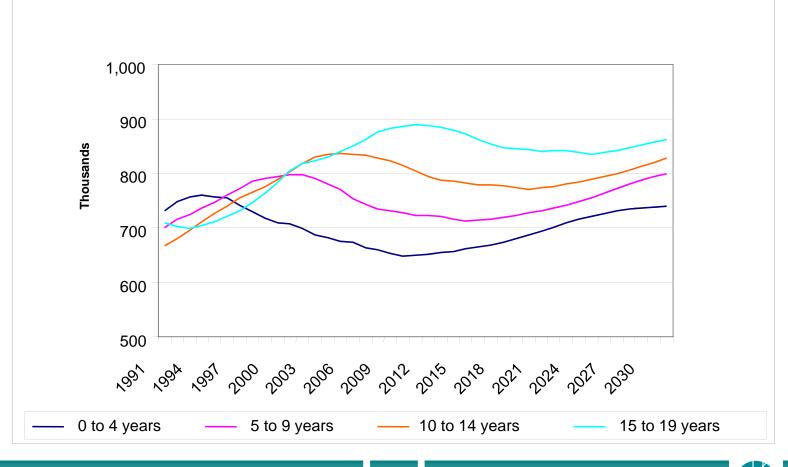


Source: 2006 Census





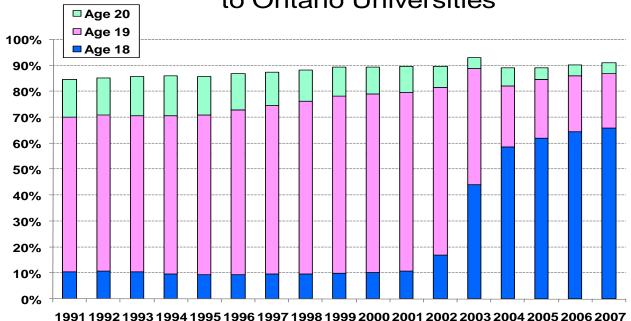




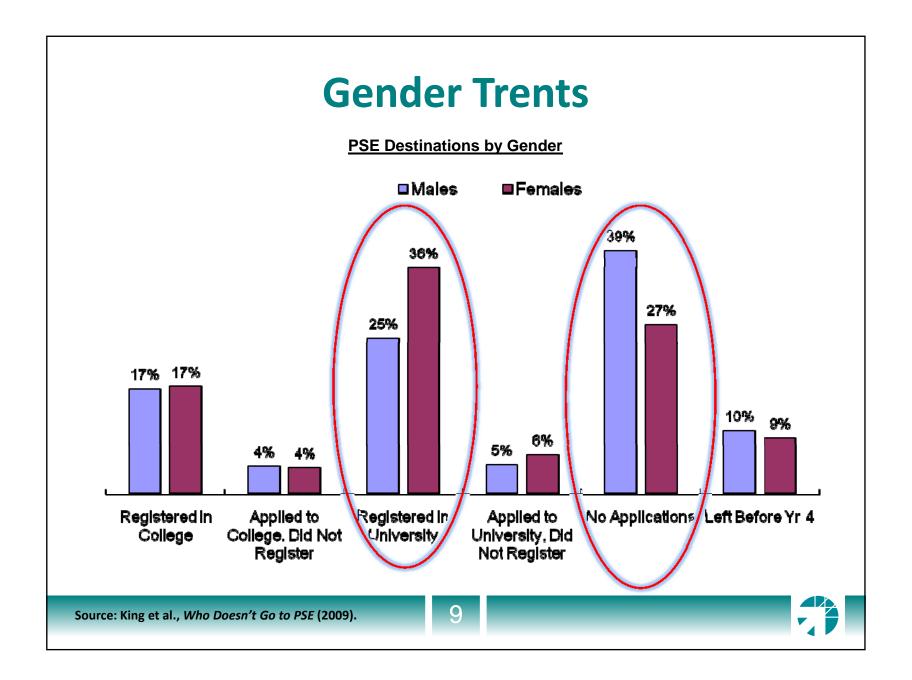
Source: Statistics Canada

Younger First Year Population

Full-time, Grant-Eligible, First-Year Entrants
to Ontario Universities

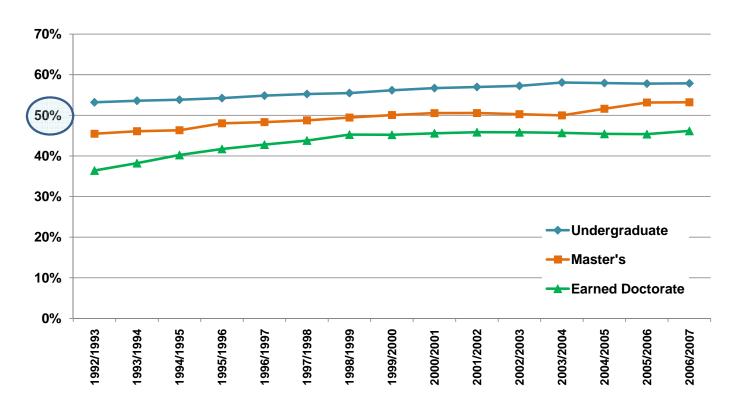


 $Source: MTCU\ User\ reports\ (November\ 1st\ count).\ Note: age\ is\ calculated\ as\ age\ at\ end\ of\ calendar\ year\ of\ enrolment.$ $COU-CUPA\ (CESPA)\ 2009-06-14$



More Female Students

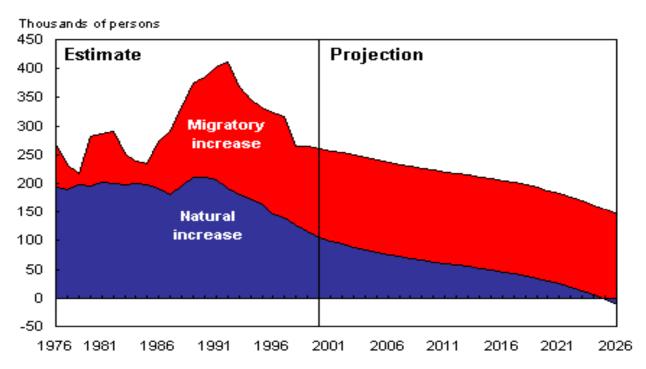
Female Percentage of University Enrolment by Credential, Ontario, Age 15+



Source: PSIS (data) & Angelika Kerr, HEQCO Research Note, Where Are the Boys? (2010)



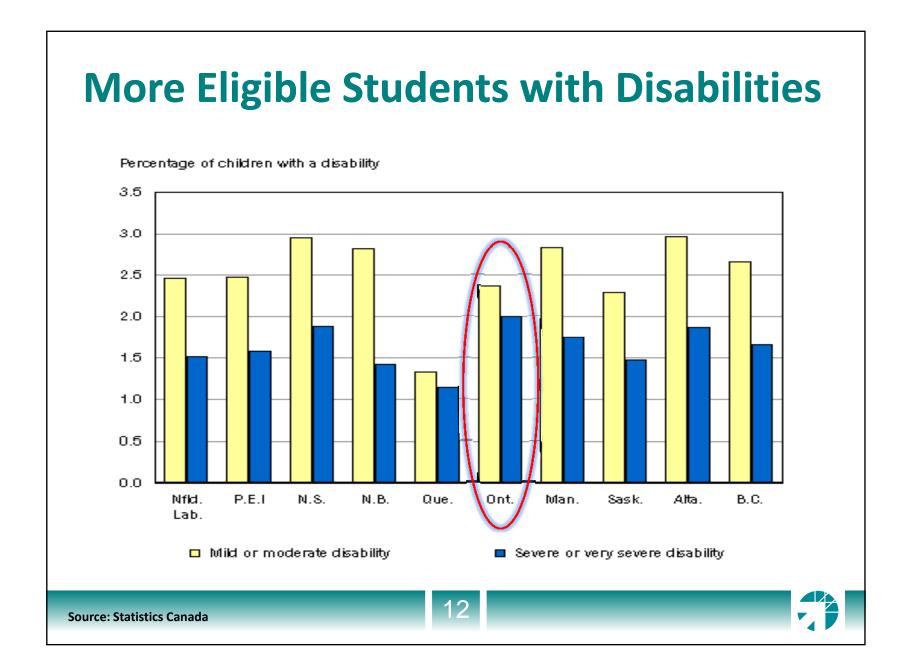
Increasing Diversity



Note: The projection is based on medium assumptions: fertility rates at 1.5; immigration at 225,000 new immigrants per year; a gradual increase in life expectancy from 77-80 years for men and 83-85 for women.

Source: Statistics Canada





Finances

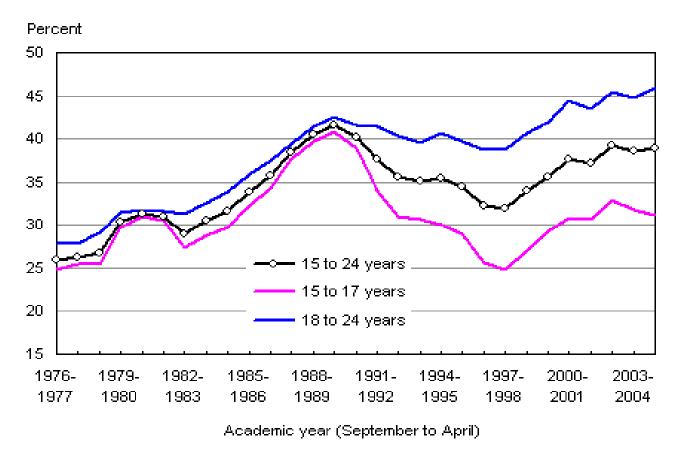
Sources of Funding for PSE Studies by % who reported using that source

	Private			Graduate
	Schools	College	Bachelor's	Program
Non-repayable funds (parents/partner)	31.9%	28.3%	43.4%	38.8%
Non-repayable funds from others	3.7	6.9	7.1	8.4
Employment Earnings	45.2	67.6	79.5	70
Personal Savings	15.2	25	21.4	18.2
Scholarships	4.3	6.8	16	44.4
Grants	3.9	3.9	18.8	26.2
Loans	32.3	32.3	44.3	40.9
(% of Gov't. Sponsored Loans)	44.3%	73.8%	75.3%	73.4%
Trust funds, RESP's, RRSP's	0.1	0.5	2.8	2.1
Other Sources	13.9	13.9	4.3	4.9

Source: How Do Youth Finance their Postsecondary Education? (forthcoming, YITS A & B data)



Finances: Student Employment



Source: Statistics Canada

Finances: Student Debt

Graduates with Student Debt

Government Student Loan Only

Average Student Debt (All)

Owing \$25,000 or more

Average Time to Repay

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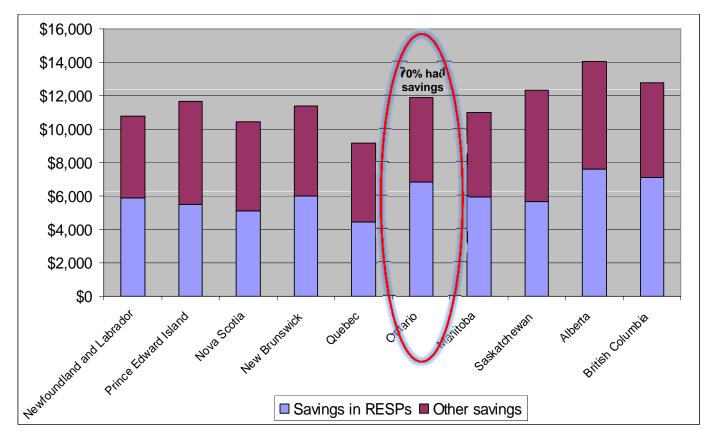
1995	2005
49%	57%
4370	3770
67%	52%
\$15,200	\$18,800
17%	27%
7.2 Years	7.4 Years

SOURCE: May Luong, Statistics Canada, *Perspectives* (January 2010)



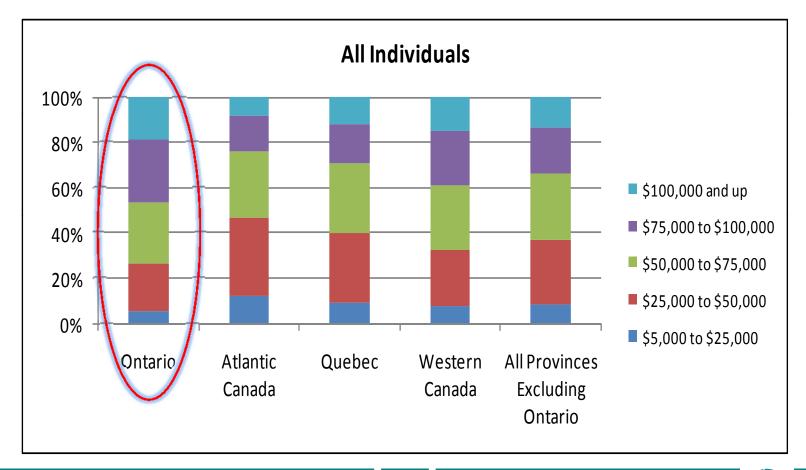
Finances: PSE Savings

Average savings for the child's education among those with savings by province



Source: ASETS 2008



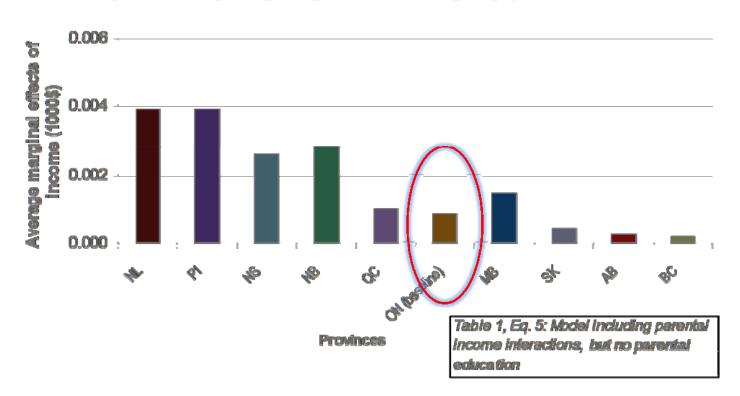


Source: Finnie et al., Access to Postsecondary Education: How Ontario Compares (forthcoming).



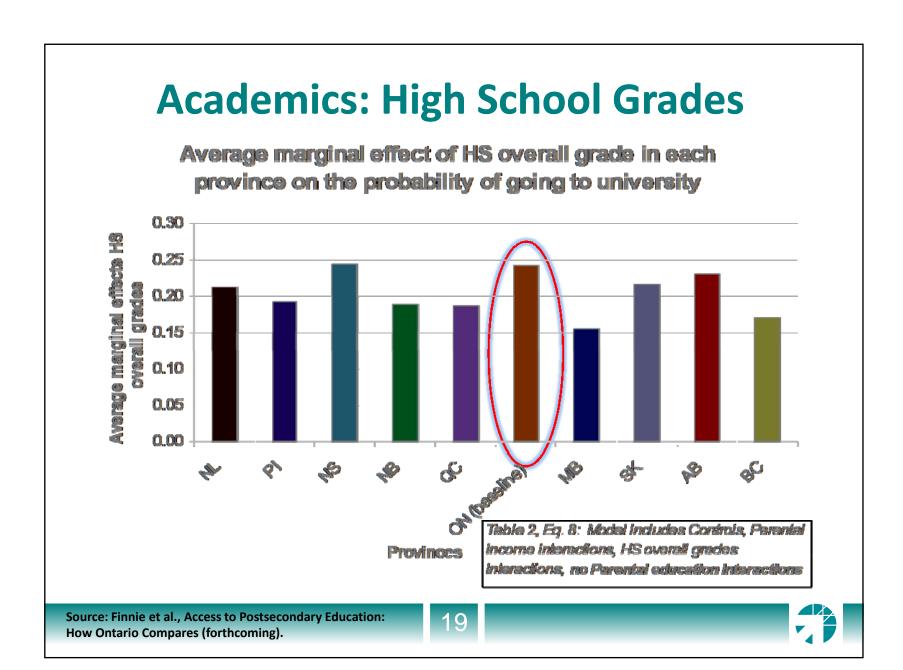
Finances: Family Income

Average marginal effects of parental income on the probability of going to university, by province



Source: Finnie et al., Access to Postsecondary Education: How Ontario Compares (forthcoming).

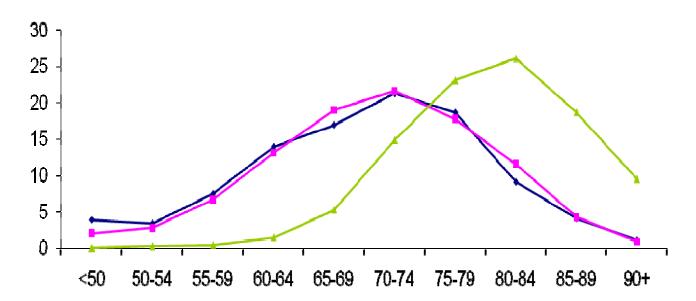




Academics: High School Grades

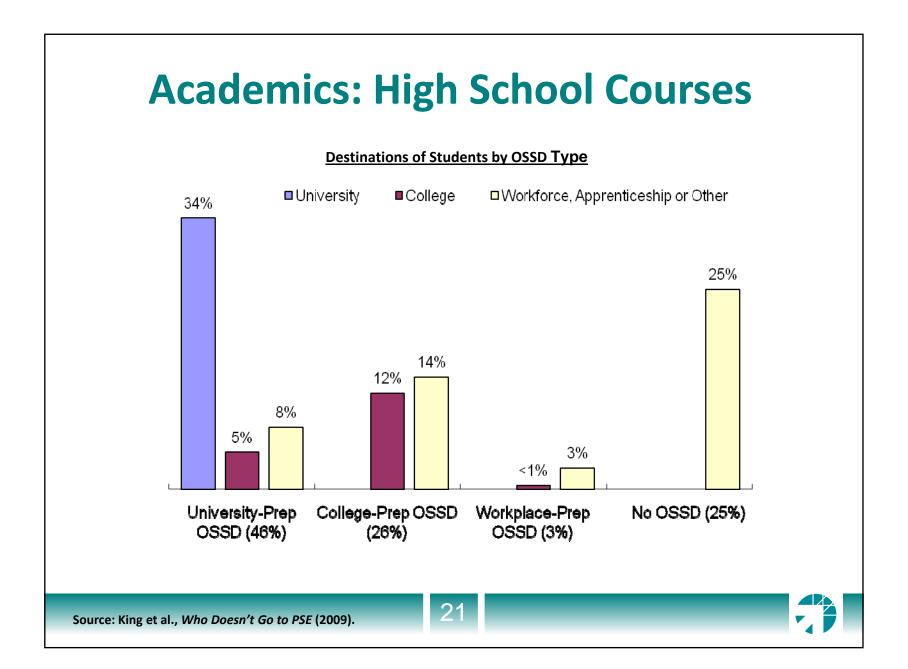
Average Marks Distributions (Grades 11 & 12) by PSE Destination

→ Took up an Apprenticeship → Registered in College → Registered in University



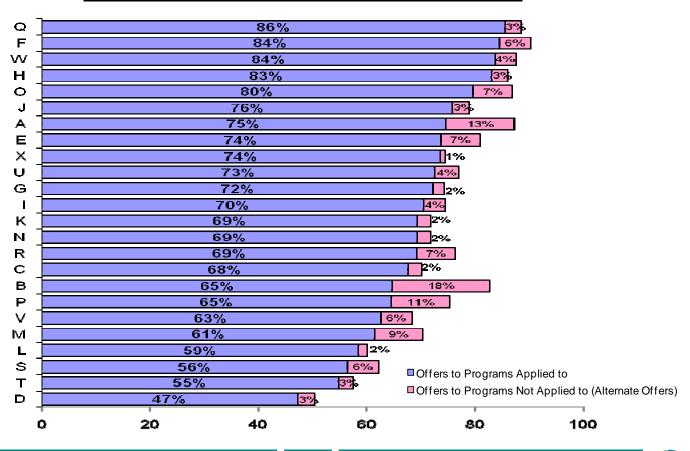
Source: King et al., Who Doesn't Go to PSE (2009).





Academics: College Offers

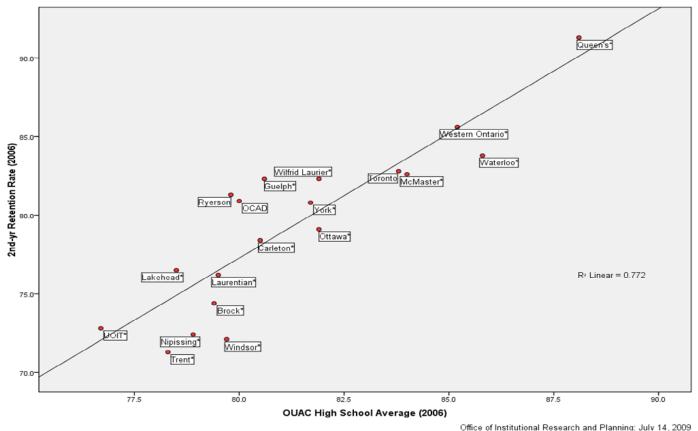
Applicants Who Received Offers: Percentages by College



Source: King et al., Who Doesn't Go to PSE (2009).

Academics: University Persistence

CSRDE 2nd Year Retention and OUAC High School Entrance Average

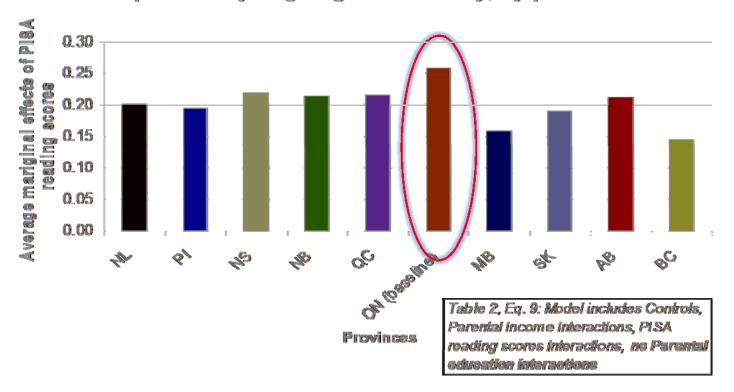


Source: Carleton University, Office of Institutional Research and Planning (2009).



Academics: Reading Scores

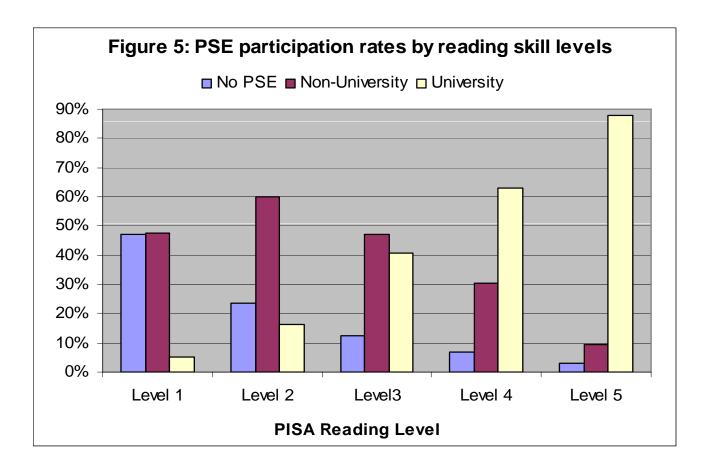
Average marginal effects of PISA reading scores on the probability of going to university, by province



Source: Finnie et al., Access to Postsecondary Education: How Ontario Compares (forthcoming).

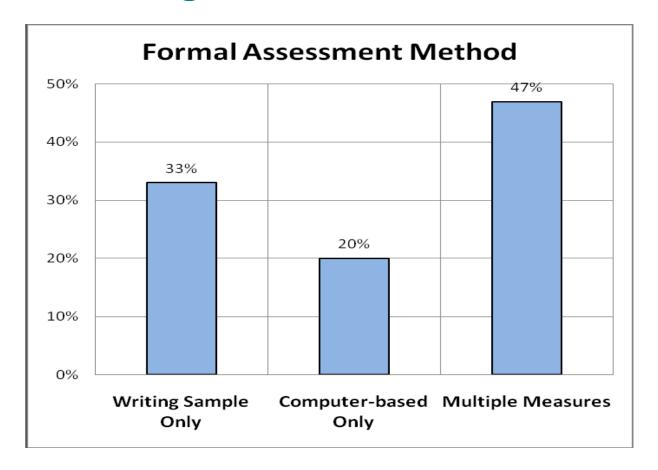


Academics: Reading Scores



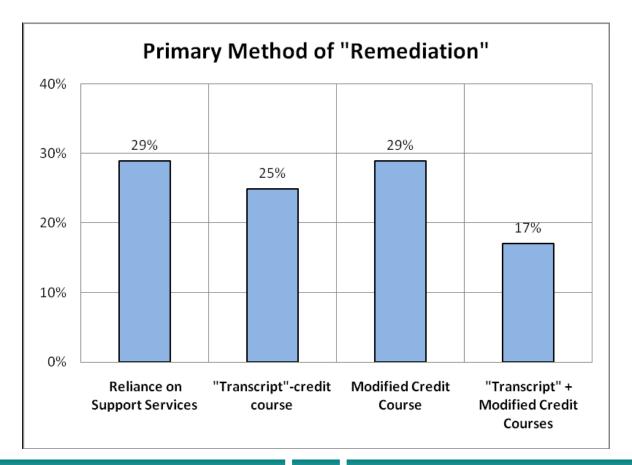
Source: Tomasz Gluzsynski, HRSDC (2010).

College Skills Assessments



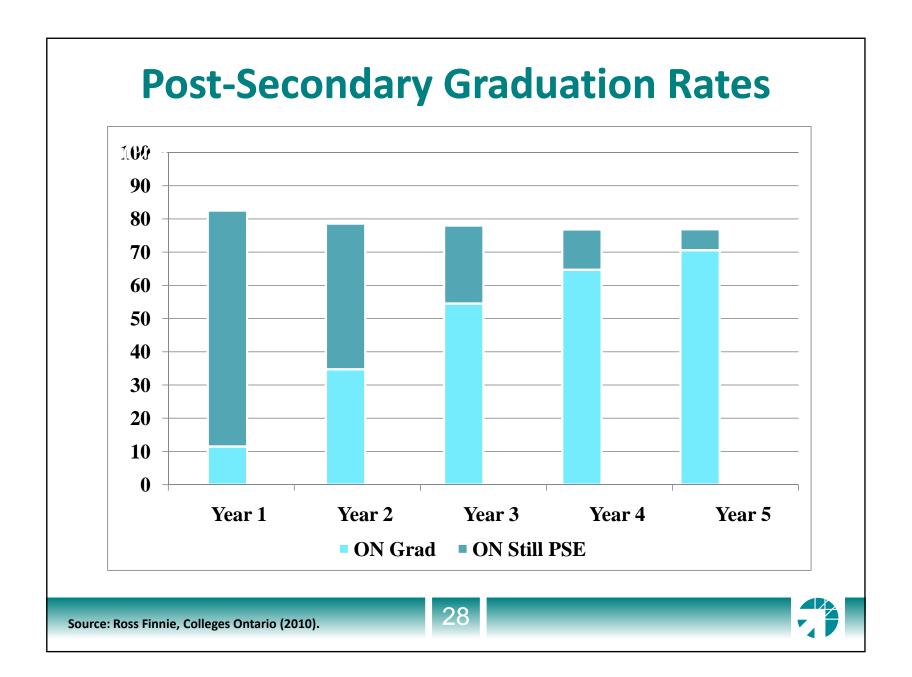
Source: Fisher et al.. & Fanshawe College (forthcoming).

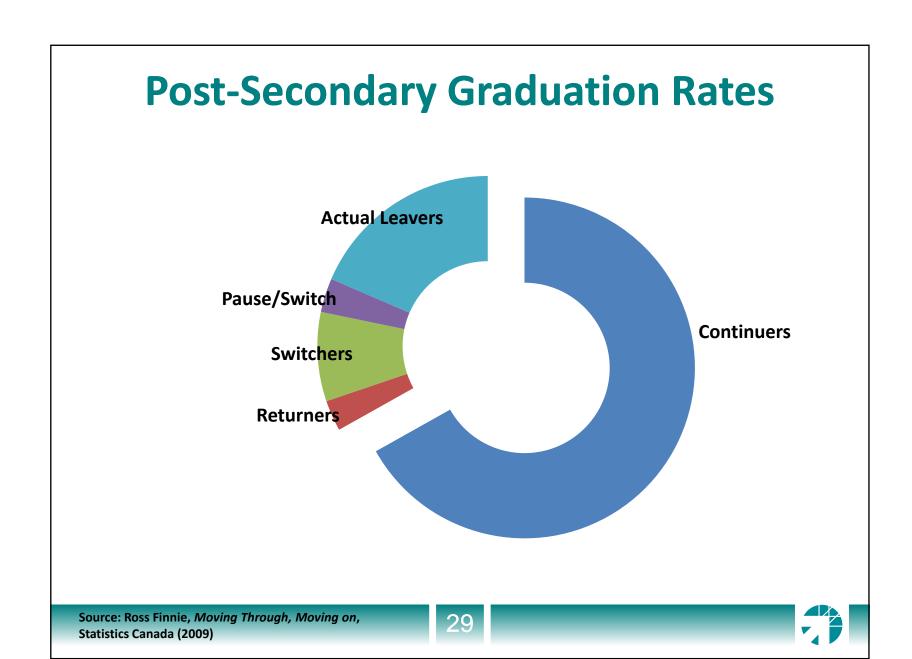
College Skills Remediation



Source: Fisher et al.. & Fanshawe College (forthcoming).



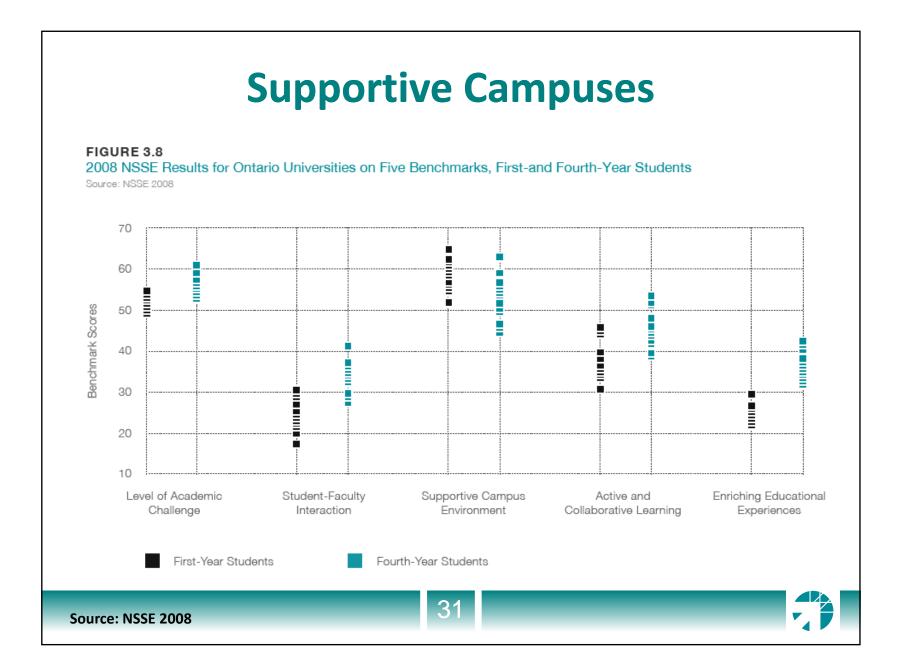




Reasons for Switching/Leaving

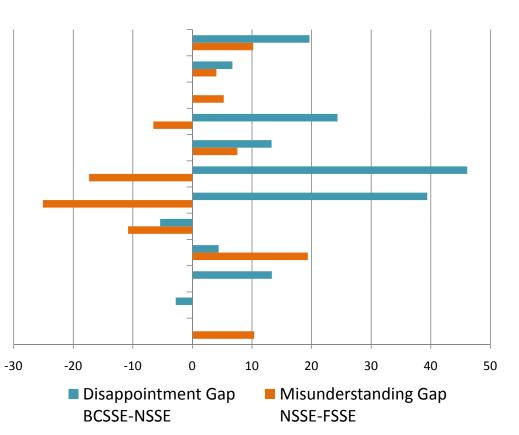
	Switchers	Leavers
Not enough money	6.8	9.7
Wanted to work	2.6	10.3
Marks too low	5.7	9.0
Not for me	45.3	41.1
To change studies	25.0	4.4
Other	13.0	18.7

Source: Ross Finnie, Colleges Ontario (2010).



Gaps Between Expectations/Experience

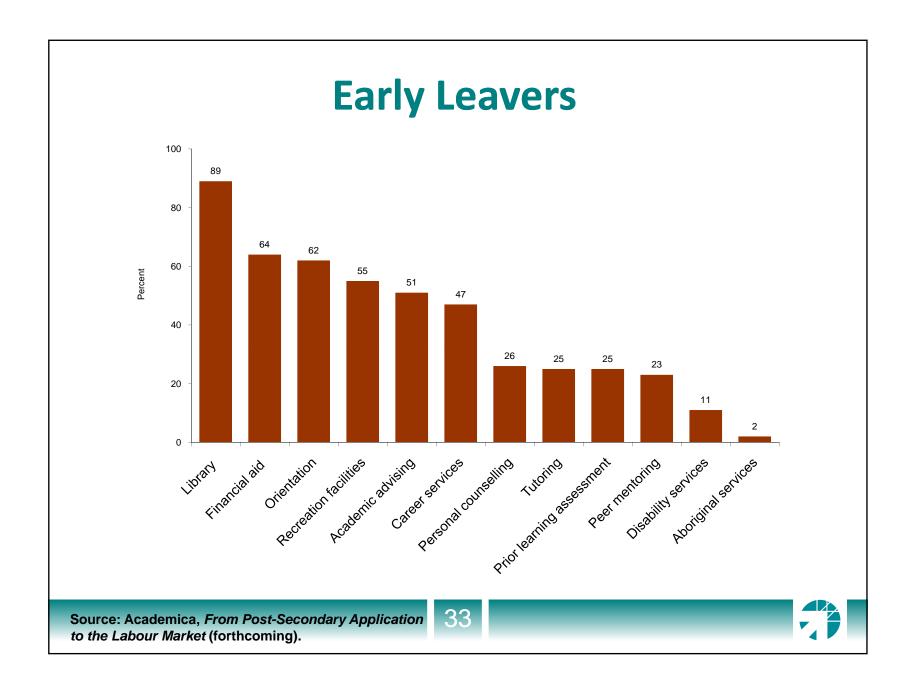
Course Challenge
Writing
Higher-Order Thinking Skills
Active Learning
Collaborative Learning
Out-of-Class Interaction
Course Interaction
Information Technology
Diversity
Student Success Support
Gains in Practical Skills
Gains in General Education

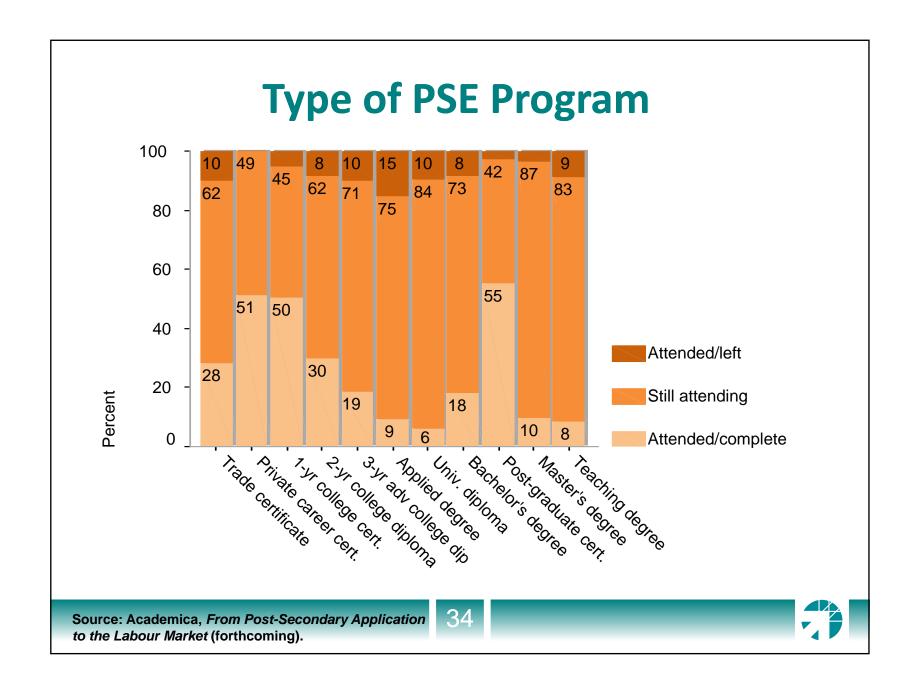


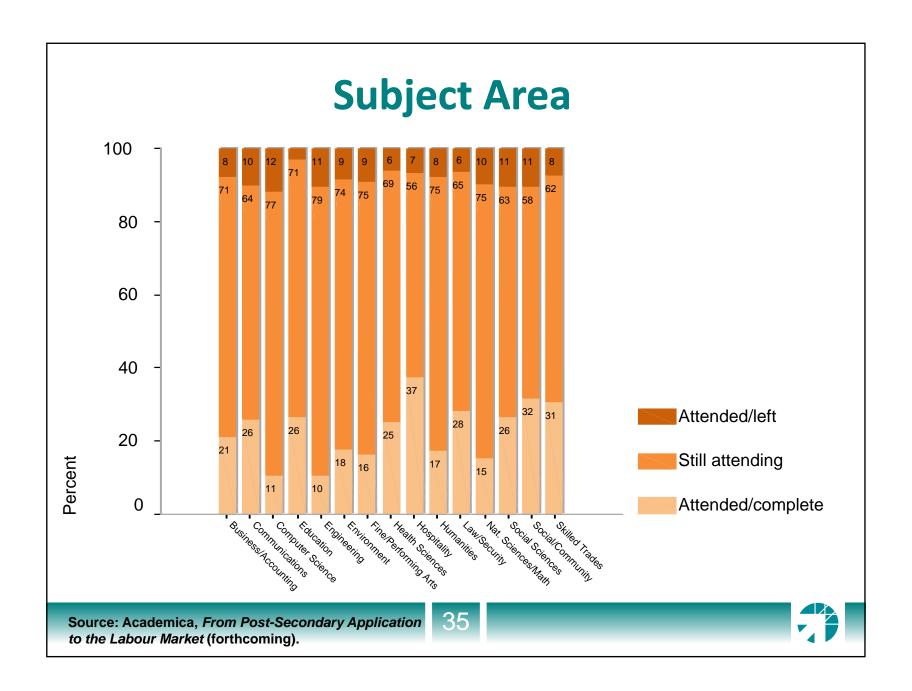
A negative DG value indicates that experience exceeds expectations

Source: Mancuso et al., Disappointment, Misunderstanding and Expectations (2010).







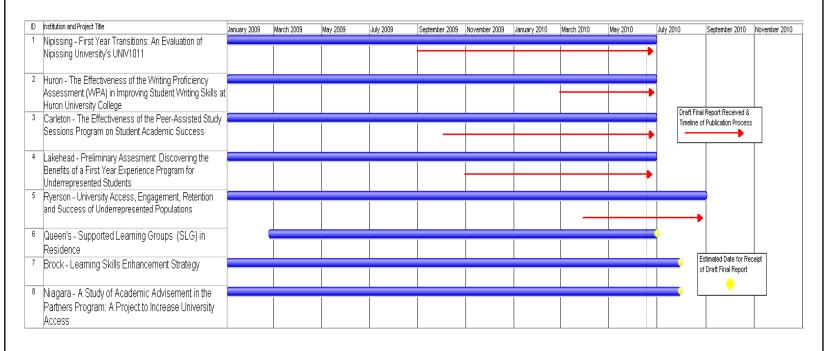


Student Services Projects

First Year Transitions		
Nipissing University	Introductory University Course (UNIV1011) and Academic Retention & Success	
Lakehead University	First Year Experience Program for Under-Represented Students	
Queen's University	Supported Learning Groups (SLG) in Residence	
Niagara College of Applied Arts	Academic Advisement in the Partners' Program to Increase University Access	
Targeted Populations		
Ontario College of Art & Design	Impact of 'Sheltered' English as a Second Language (ESL) Support Programming	
Durham College & UOIT	Student Support Associated with College-University Collaborative Outcomes	
York University	Student Services and Academic Engagement of Recent Adult Immigrant Students	
Ryerson University	Access, Engagement, Retention and Success of Under-Represented Populations	
Cambrian College	Impact of Mental Health Problems within Community College Student Population	
Brock University	Statistical Variances in Student Financial Aid: Is Less More?	
Skills Enhancement Initiatives		
Huron University College	Writing Proficiency Assessment	
Brock University	Learning Skills Enhancement Strategy	
Carleton University	Effectiveness of the Peer-Assisted Study Sessions (PASS) on Student Success	
University of Guelph	Skills Objectives of Peer Helper Program: Longitudinal Analysis	
Georgian College of Applied Arts	Information Literacy Competency Standards for Students	



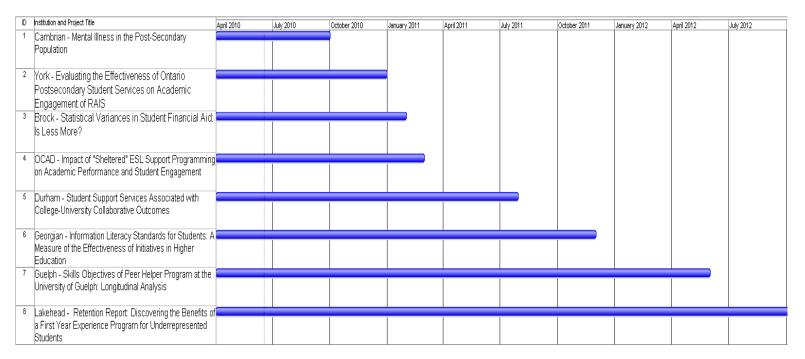




- First four final reports released on June 28, 2010
- Four additional final reports to be published by the end of 2010







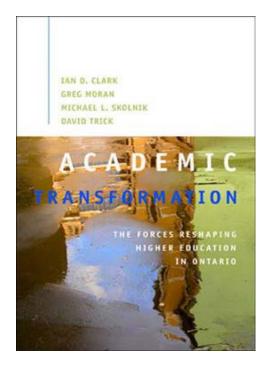
- By summer 2011, five additional reports will be completed
- Inventory on Student Services also underway

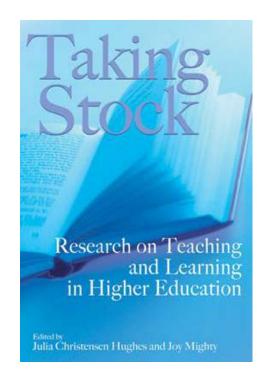
NSSE Intervention Projects

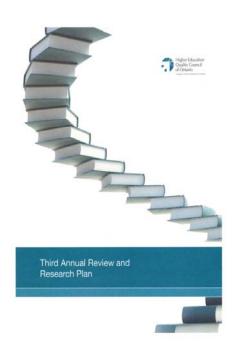
	Course Based	
Queen's University	1st Year: Increasing Student/Faculty Interaction in Large Classes	
University of Waterloo	1st & 4th Years: Redesign of Selected Courses to Enhance Engagement	
University of Western Ontario	1st Year: Redesign of Selected Courses to Increase Science Literacy	
	Discipline/Faculty Based	
University of Ottawa	1st Year: Course-Based Learning Community for Social Science	
University of Windsor	1st Year: Intrusive Advising Intervention for 1st Year Business Students	
Queen's University	4th Year: Enhanced Academic/Tutorial Support System for Electrical Engineering	
General Support		
Carleton University	1st Year: Teaching Assistant (TA) Mentorship Model	
University of Guelph	1st Year: Supported Learning Groups for "high-risk" courses	
Ryerson University	1st Year: Improvement of Writing Skills Competencies	
Wilfrid Laurier University	1st Year: Peer Learning Program to Improve Information Literacy, Research & Writing	



HEQCO Publications









Teaching and Learning

- Call for Proposals issued Tuesday, June 15, 2010
- Title: Enhancing Teaching and Learning Effectiveness in Ontario Colleges and Universities
- Deadline Friday, July 9, 2010
- Five priority themes:
 - 1) larger classes
 - 2) teaching skills for new and future faculty
 - 3) information and communication technology in the classroom,
 - 4) high impact practices, and
 - 5) core skills and competencies.
- Limitations of 1 single institution and 2 multi-institution proposals per college/university



Thank you! Richard Dominic Wiggers (416) 212-3881 rwiggers@heqco.ca