

Title	WSIPP State Need Grant Evaluation
Staff lead:	Rachelle Sharpe
Position	Student Financial Assistance Director
Email:	rachelles@wsac.wa.gov
Phone:	360-753-7872
Synopsis:	The Washington State Institute for Public Policy was asked to evaluate the academic outcomes of State Need Grant students. WSIPP conducted a longitudinal study to determine the extent to which SNG has increased access and degree attainment. The report findings are due to be released in January 2014.
Guiding questions:	How will the WSIPP findings influence the Council's approach to the 2014 SNG evaluation assigned as part of HB 2483?
Possible council action:	<input checked="" type="checkbox"/> Information Only <input type="checkbox"/> Approve/Adopt <input type="checkbox"/> Other: _____
Documents and attachments:	<input type="checkbox"/> Brief/Report <input type="checkbox"/> PowerPoint <input checked="" type="checkbox"/> Third-party materials <input type="checkbox"/> Other

Washington's State Need Grant Legislative Study

—*Evaluation Findings*—

WSAC Council Meeting
Seattle, WA
December 16, 2013

Neil Bania, PhD
Mason Burley

Washington State Institute for Public Policy

Created by the 1983 Legislature

Mission: Carry out non-partisan research on projects assigned by the Legislature or the Institute's Board of Directors

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Legislative Direction:

- the demographics of recipients, including, but not limited to, gender, race, and income
- the effect on enrollment rates of low-income students at the different institutions of higher education and whether these students attend full-time or part-time
- the effect on persistence, performance, degree completion, and time-to-degree completion
- an inventory of the types of degrees, by field of study
- the interplay of the State Need Grant program with other forms of financial aid

2012 HB 2127

Timeline

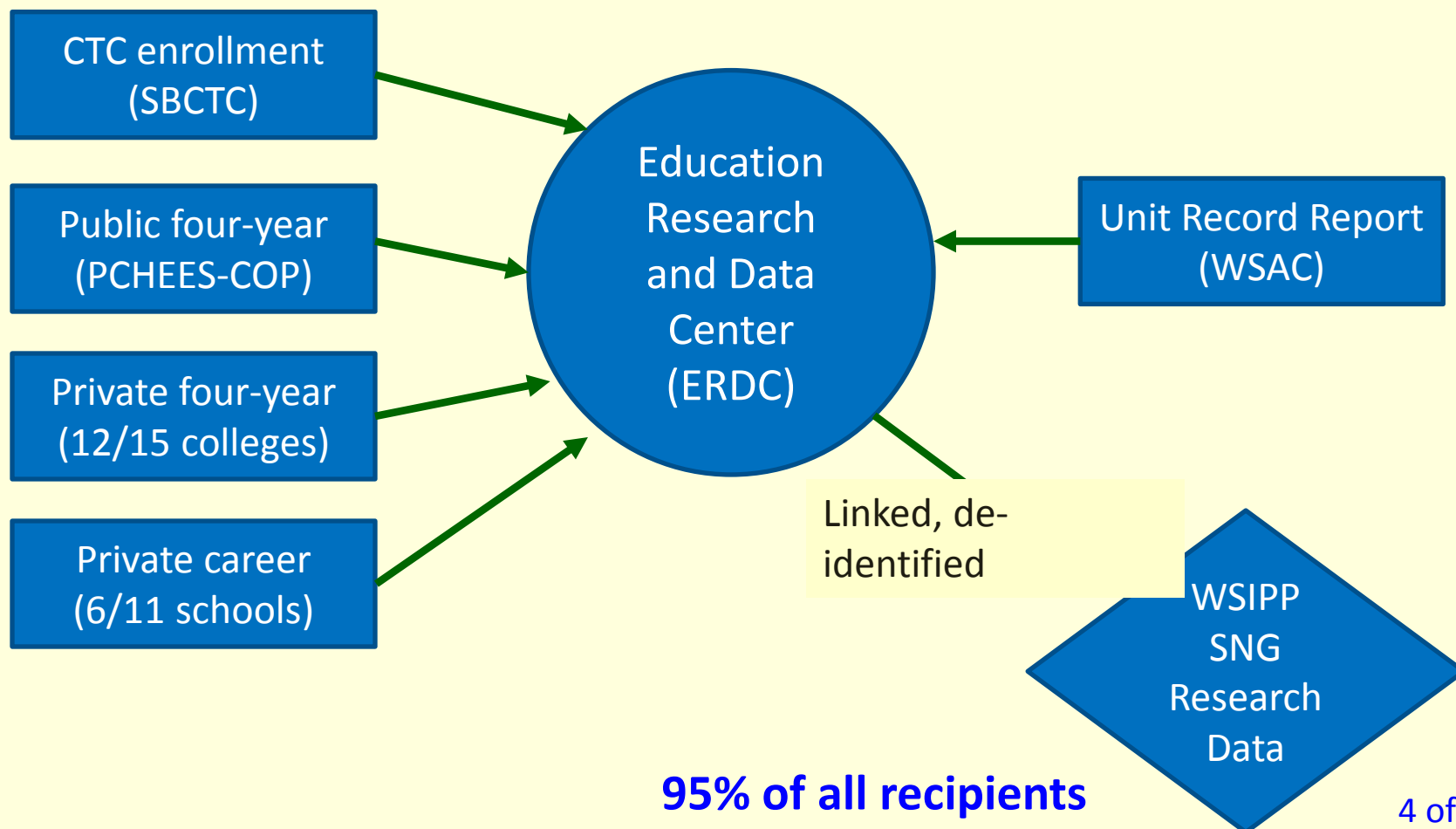
- *Descriptive Report: December 2012*
- *Final Evaluation: December 2013*

Evaluation Challenges

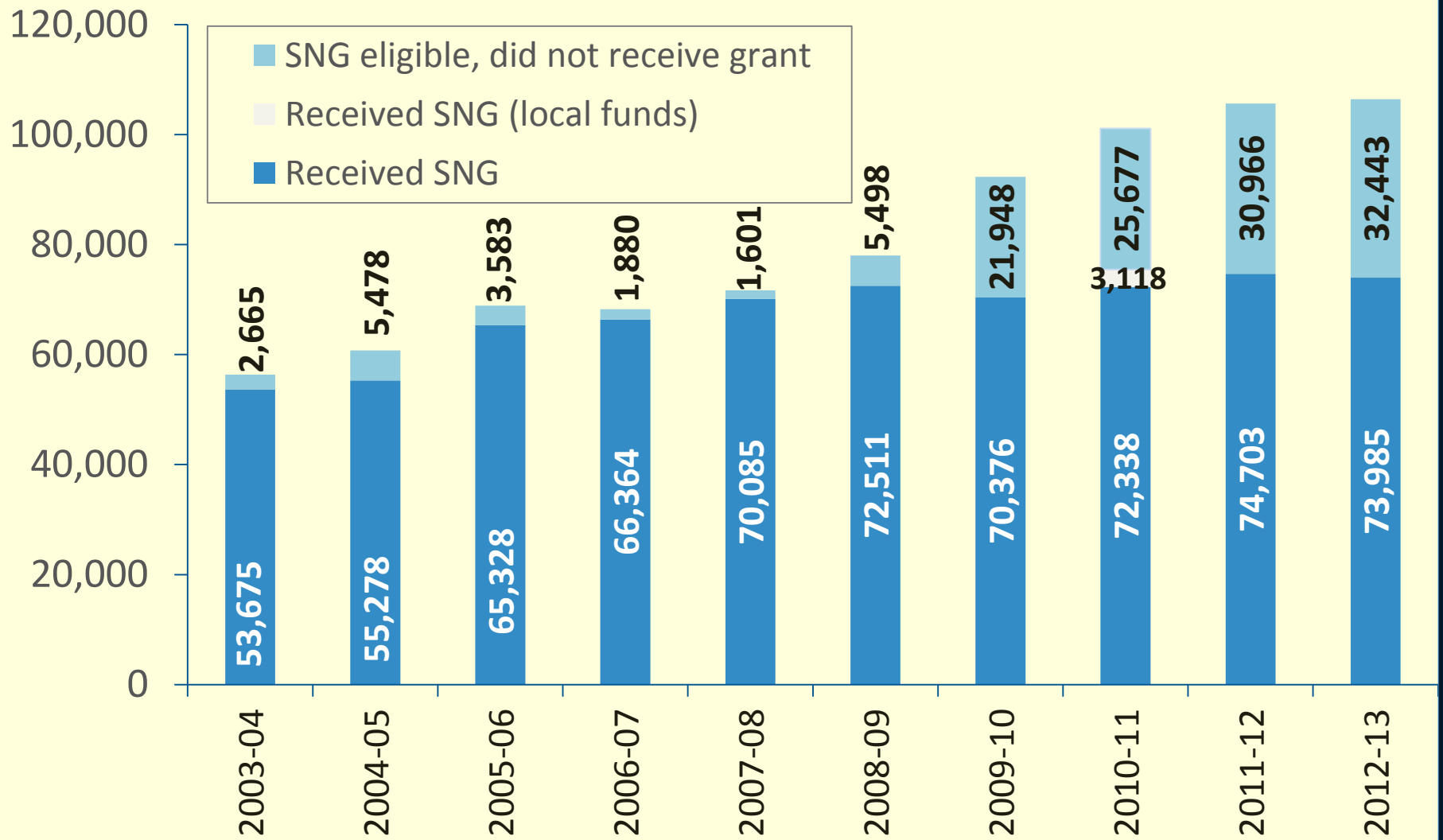
- **Defining Student Population (2011-12)**
 - 63% public community and technical colleges
 - 27% public four-year baccalaureate
 - 6% private four-year baccalaureate
 - 3% private career and private college
- **Measuring Outcomes**—standardized longitudinal data for multiple cohorts
- **Assessing unique impact of SNG**—evaluation must account for student, institutional differences and isolate SNG dollars from other sources of financial aid

Evaluation Data

- SNG eligibles+, 2004-05 to 2011-12
- Linked financial aid and enrollment/completion records



SNG Eligible Students and SNG Recipients



Outcomes for “Unserved” Students were not Compared

1. Different profile at year of entry

- Higher family incomes
- Late filers
- More likely to enroll part-time

2. Served/unserved crossover— 40% of unserved receive SNG in following year

3. Long Term Outcomes—study period spans 7-8 years, very few unserved at beginning of study

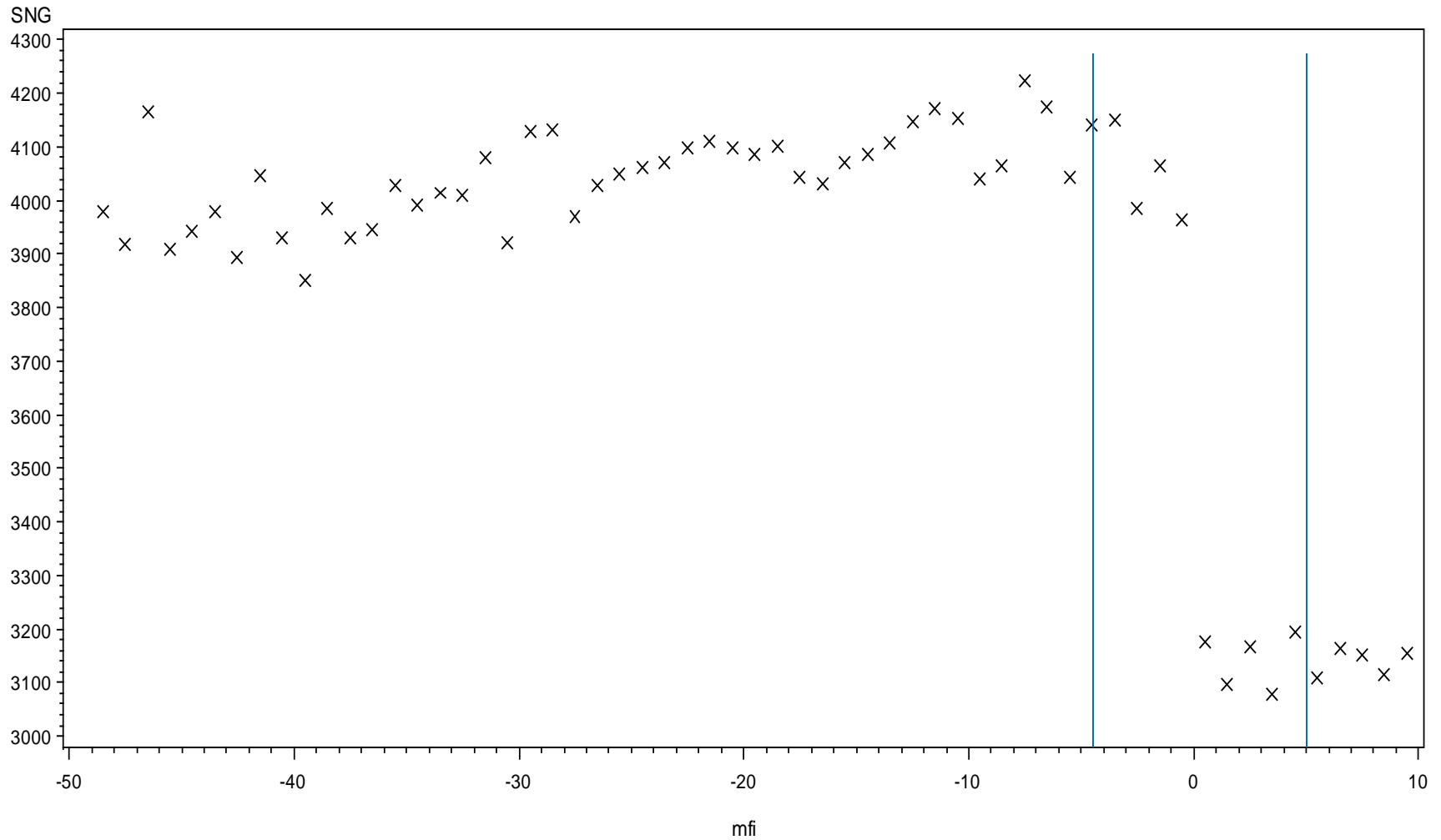
Part 1: Evaluation Approach—Regression Discontinuity

1. Treatment/response (SNG reduction)
2. Assignment variable (MFI cutoffs)

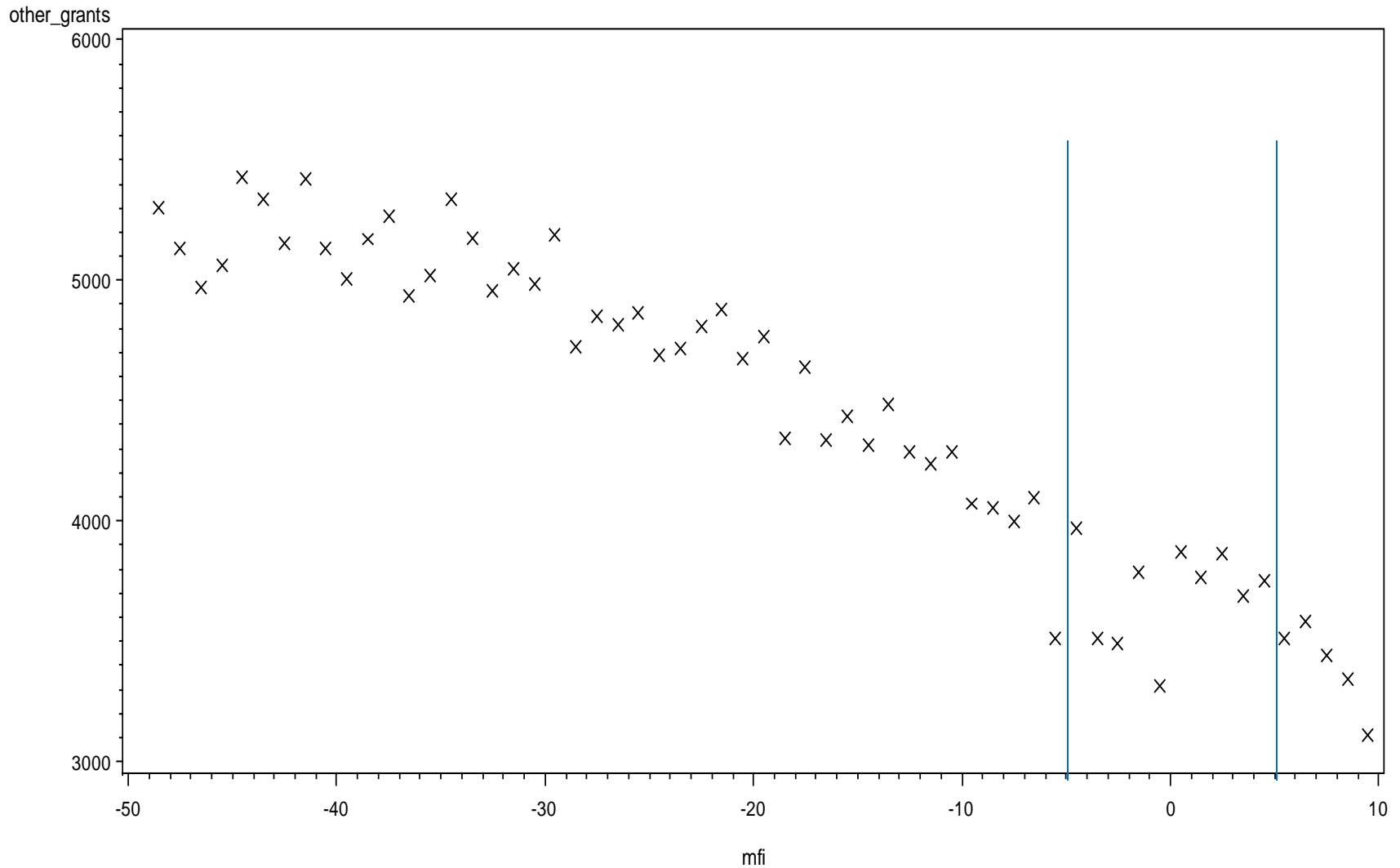
Median Family Income range	Income limits (family of four)	Percent of State Need Grant award
0-50%	\$41,000	100%
51-65%	\$53,000	75%
66-70%	\$57,500	50%
71%+		ineligible

- Assessed outcomes for students on each side of threshold
- Difference in SNG amount, but similar profile otherwise
- Permits reliable inference on SNG effect

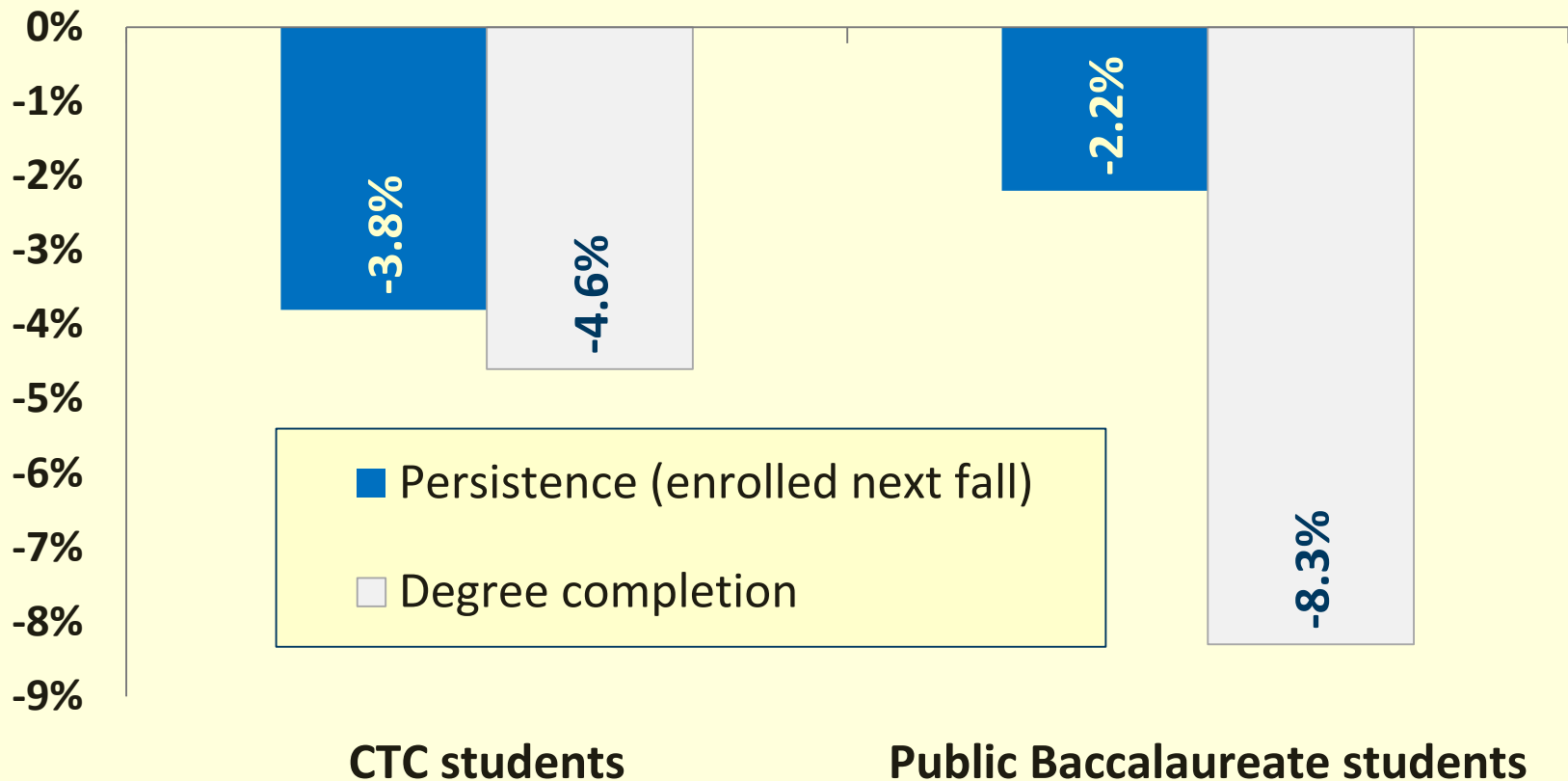
State Need Grant and All Other Grants vs. MFI



State Need Grant and All Other Grants vs. MFI



Median Effects* of a 25% Reduction in the State Need Grant on Student Outcomes



*Based on median coefficient estimates derived from 12 different models testing four discontinuity bandwidths (2-5%) and three different specifications (linear, quadratic, and interaction).

25% SNG Change (~\$600) for all CTC Students...

47,134 CTC SNG recipients (2011-12 academic year)

\$600 change in SNG award = expected fall-to-fall enrollment change for **1,791** students

10,895 first-time CTC SNG recipients (fall 2006)

\$600 change in SNG award = expected change in three year completion rate for **436** students

*25% SNG Change (~\$2,000) for all
Public Baccalaureate Students...*

17,171 public four-year SNG recipients (2011-12 academic year)

\$2,000 change in SNG award = expected fall-to-fall enrollment change for **378** students

5,289 first-time public four-year SNG recipients (fall 2006)

\$2,000 change in SNG award = expected change in six year completion rate for **439** students

SNG Students Entering CTC in Fall 2007 Enrollment/Degree Outcomes After Four Years

	Earned award		No award				
Type of student	Transfer to four-year	No transfer	Transfer to four-year	Prepared transfer ready	Still enrolled	Not enrolled	Total
Academic	329 (15%)	313 (14%)	166 (7%)	64 (3%)	374 (17%)	998 (44%)	2,250
Workforce	71 (4%)	524 (29%)	46 (3%)	408 (22%)	127 (7%)	651 (36%)	1,826

Academic CTC Students

- 67% Arts and Letters
- 10% Health
- 9% Business

Workforce CTC Students

- 30% Health
- 22% Trades
- 15% Arts and Letters
- 12% Business

SNG Students Entering Baccalaureate Institutions (Fall 2006) Enrollment/Degree Outcomes After Six Years

Sector	Completion at starting institution	Complete at different institution		Still enrolled	Not enrolled	Total
		Four-year college	Two-year college			
Public research	768 (53%)	25 (2%)	44 (3%)	146 (10%)	466 (32%)	1,449
Public regional	445 (37%)	51 (4%)	78 (7%)	123 (10%)	494 (41%)	1,191
Private four-year	244 (49%)	20 (4%)	13 (3%)	30 (6%)	191 (38%)	498

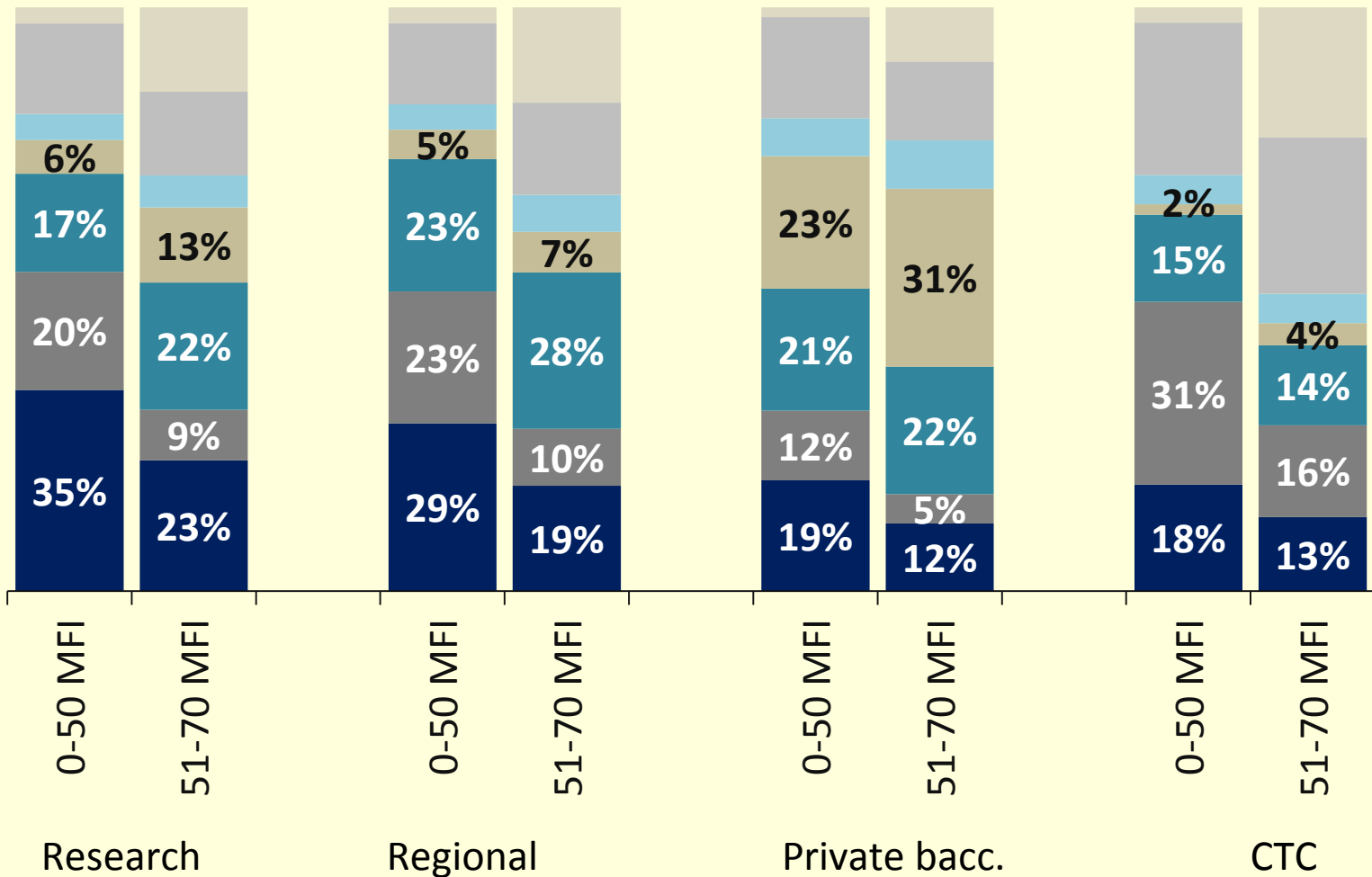
Degrees (1,688)

- 71% Bachelor of Arts
- 21% Bachelor of Science
- 8% Associates/Cert

Fields

- 28% Arts and Letters
- 26% Social Sciences
- 14% Business
- 10% Sciences

Part 2: Financial Aid Interplay



Loan Activity Among SNG Students (2011-12)

Sector	Total	Students with loans	Percent with loans	Average loan amount for borrowers
Community/technical colleges	47,754	17,529	37%	\$5,954
Public regional bacc.	8,476	6,396	75%	\$6,899
Public research bacc.	11,787	8,011	68%	\$6,730
Private bacc.	3,686	3,199	87%	\$9,244

Pell Grant Receipt Among SNG Students by Income Level (2011-12)

MFI range	Received Pell	Pell ineligible	Total students with SNG
0-50%	61,255 (99%)	692 (1%)	61,947
51-60%	4,440 (77%)	1,339 (23%)	5,779
61-70%	2,459 (65%)	1,345 (35%)	3,804
Total	68,154 (95%)	3,376 (5%)	71,530

Alternative State Awarding Formulas

- Shared responsibility model
award amount=COA-(student+family+govt Pell)
- Percentage of Need
declines as EFC increases

State	Recipients (2009-10)	Expenditures (millions)	Model
WA	70,376	\$223	Shared Responsibility (MFI)
MN	103,544	\$168	Shared Responsibility (Pell)
NC (UNC)	61,952	\$133	Shared Responsibility (Pell, tax)
OR	43,111	\$77	Shared Responsibility (Pell, tax)
PA	171,702	\$413	Percentage of Need

Hypothetical State Examples

Students Served and Award Amounts

State formula	Estimated students served	Estimated students unserved	Estimated average grant	Maximum grant
WA	72,060*	28,450*	\$3,460	\$10,868
MN	81,319	15,549	\$3,143	\$10,450
NC	73,474	-	\$2,514	\$3,800
OR	96,653	-	\$1,382	\$1,950#
PA	98,257	-	\$1,883	\$3,700

* Washington students served and unserved include student records available from study file
 #Full time/Full Year students only