

What we know in Ohio: Definition of transfers

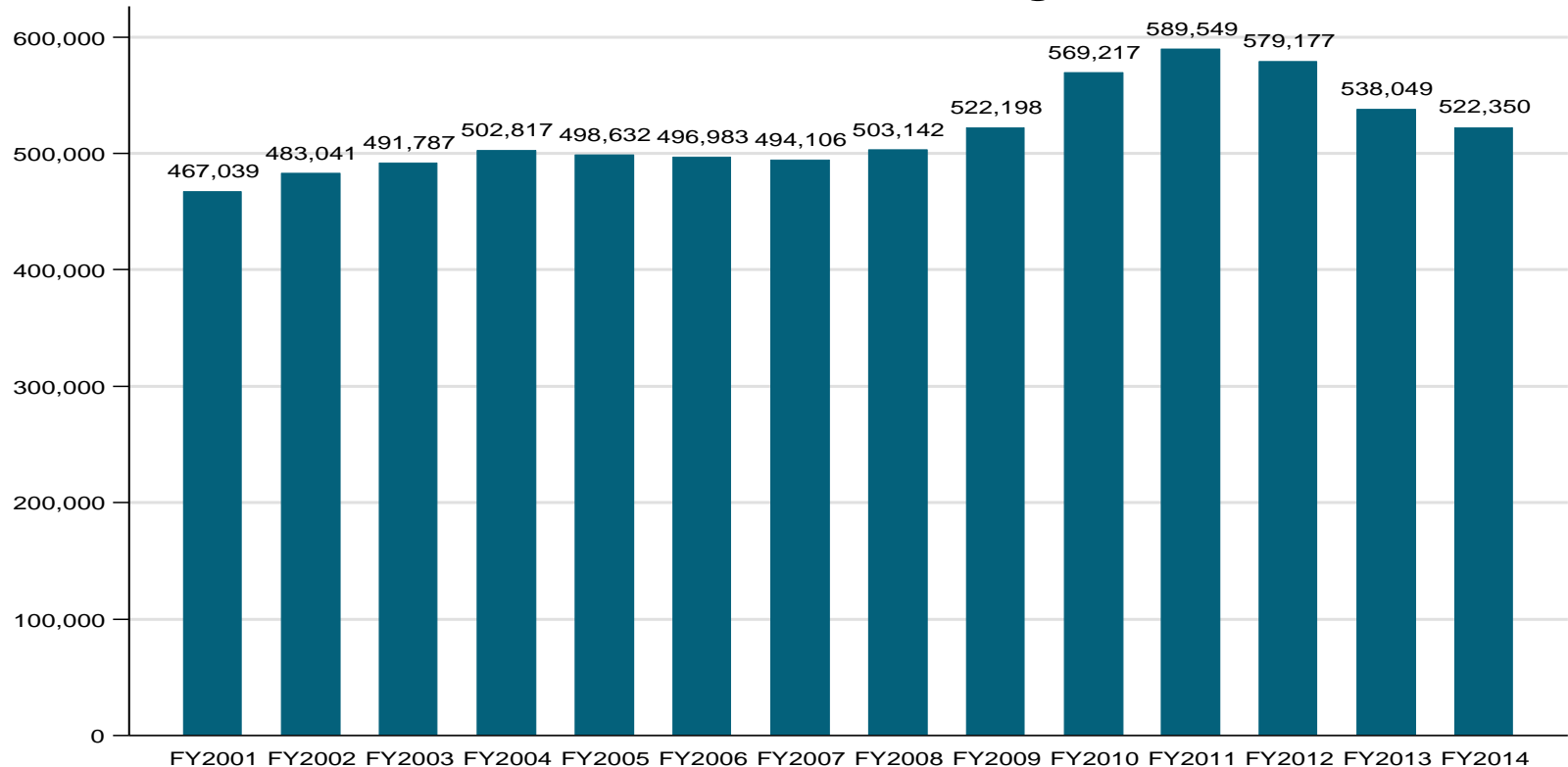
OATN definition: A student is defined as a transfer if she makes a clean break from her college in an academic year. A clean break occurs if one of three ways:

1. The student formally transfers credits from her college of attendance to another institution, or
2. The student does not transfer credit to another institution but attends a single institution of higher education that is different from the original college of attendance, or
3. The student does not transfer credit to another institution but attends multiple institutions and attempts the maximum number of credit hours in an institution different from the original college of attendance.

- There is no standardized definition of annual transfer movements for the nation as a whole.
- Different reports typically define transfer movements for a particular cohort of students. Such definitions are useful in calculating graduation rates.

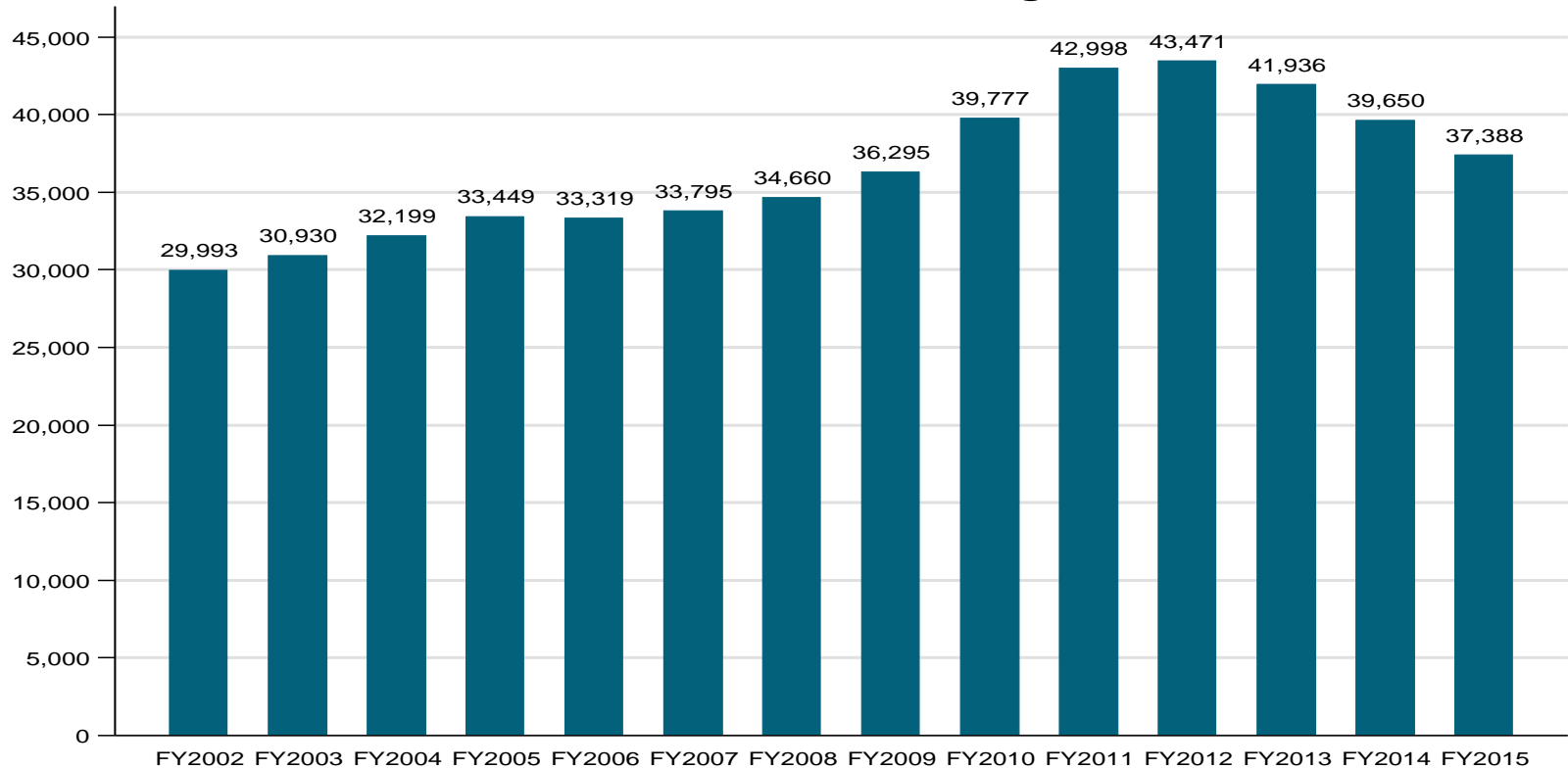
What we know in Ohio: Annualized enrollment numbers

Ohio Public Institutions of Higher Education



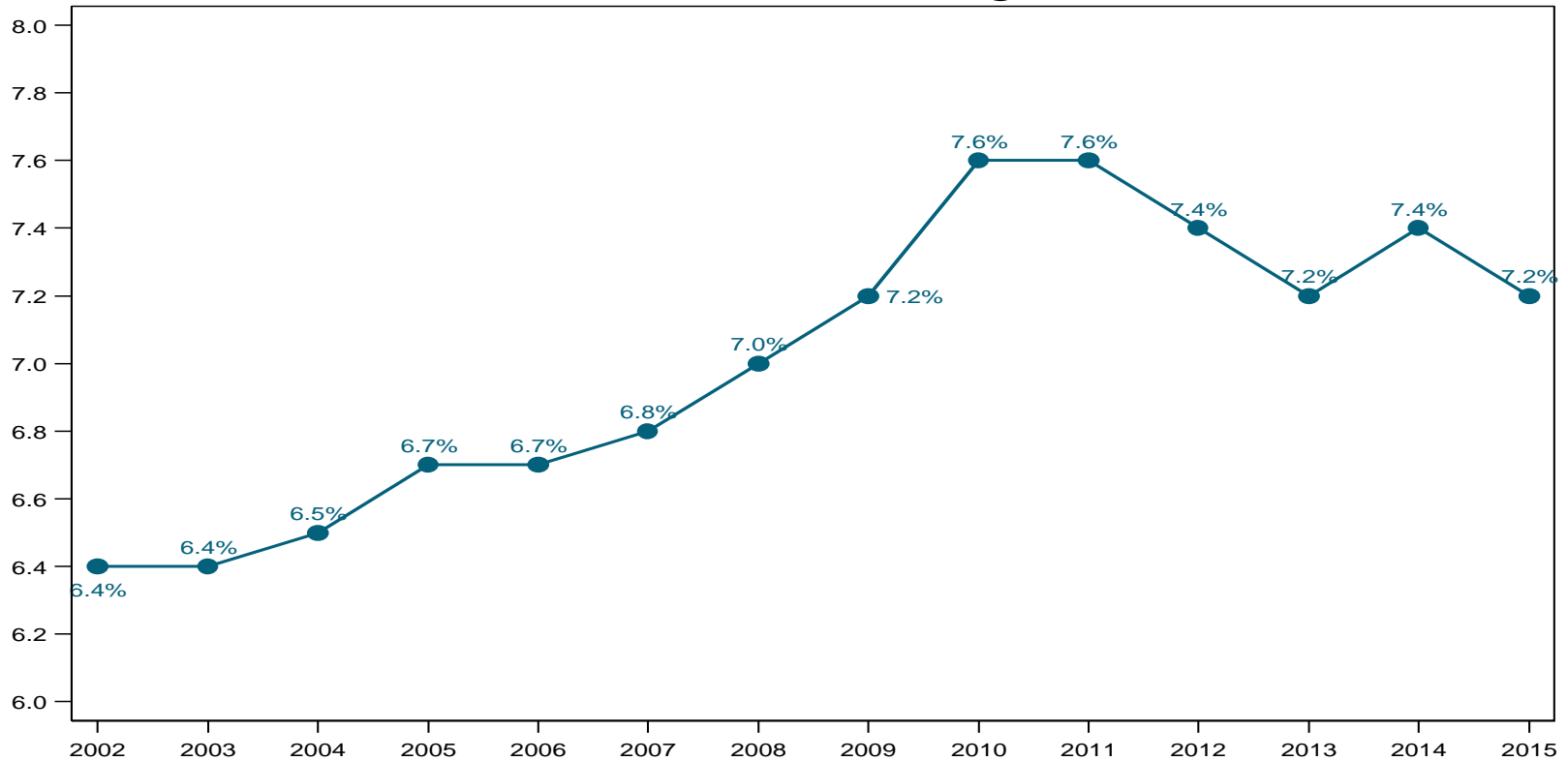
What we know in Ohio: Annual transfer numbers

Ohio Public Institutions of Higher Education



What we know in Ohio: Transfer-to-enrollment ratios

Ohio Public Institutions of Higher Education



What we know in Ohio:

Transfers mostly regional: 2009 numbers (36,295)

→	All Regions	Central	Northeast	Northwest	Southeast	Southwest
Central	8,442	74.9%	6.2%	4.5%	6.9%	7.6%
Northeast	11,349	6.9%	83.3%	4.7%	2.8%	2.4%
Northwest	4,523	13.6%	19.3%	56.2%	2.0%	8.9%
Southeast	3492	21.1%	10.5%	3.3%	52.8%	12.2%
Southwest	8,489	10.2%	4.0%	5.3%	3.2%	77.3%

What we know in Ohio: Transfers by source & destination

Transfer Number in 2009: 36,295

From: 2-Yr Institution			From: 4-Yr Regional			From: 4-Yr Main		
Transfer-out: 13,777			Transfer-out: 8,608			Transfer-out: 13,910		
Destinations:			Destinations:			Destinations:		
Other 2-Yrs	4-Yr Regional	4-Yr Main	2-Yrs	Other 4-Yr Reg.	4-Yr Main	2-Yrs	4-Yr Reg.	Other 4-Yr Main
4,003 (29.1%)	1,490 (10.8%)	8,284 (60.1%)	2,248 (26.1%)	1,427 (16.6%)	4,933 (57.3%)	8,163 (58.7%)	2,389 (17.2%)	3,358 (24.1%)

What we know in Ohio: The graduation question

- How many transfer students complete graduation? What are their rates of graduation?
- Two ways of answering the questions:
 - Tracking graduation outcomes of transfer students from a given year, or
 - Tracking graduation outcomes of transfer students from a specific cohort
- Cohort specific analyses are more common. Recent example: Jenkins and Fink (2016).
 - Sample of first-time, fulltime, freshman 2-year college students from 2008. Defines them as transfers if they ever attend a 4-year institution. Tracks for six years.
- We select a sample of first-time, fulltime, freshman 2-year college students who transferred to 4-year main campuses in 2009.
 - Our sample include students who started in 2006, 2007, and 2008. Track for six years.

What we know in Ohio: Data for the graduation question

Transfer Number in 2009: 36,295

From: 2-Yr Institution		
Transfer-out: 13,777		
Destinations:		
Other 2-Yrs	4-Yr Regional	4-Yr Main
4,003	1,490	8,284

Year of entry: 2006, 2007, 2008	Full-time student at entry
→ Number: 3,876	→ Number: 2,701

What we know in Ohio: Sample for the graduation question

	All students	Year of first entry		
		FY2005-06	FY2006-07	FY2007-08
Number of students	2,701	794	1,047	860

- Our sample comprises 2,701 students who transferred from Ohio public 2-year institutions to public 4-year institutions in FY2008-09.
- They had started as first-time, full-time students in the 2-year institution in FY2005-06, FY2006-07, and FY2007-08.
 - First-time college students with accumulated college credit (earned as dual-enrollment high-school students) are included in the sample.

What we know in Ohio:

Regional nature of transfers in sample

From	→ All regions	Central	Northeast	Northwest	Southeast	Southwest
Central	666	76.7%	4.5%	3.8%	8.6%	6.5%
Northeast	1,020	6.7%	76.2%	9.4%	5.8%	2.0%
Northwest	318	7.2%	3.1%	82.7%	0.9%	6.0%
Southeast	154	9.7%	12.3%	3.2%	59.1%	15.6%
Southwest	543	11.8%	2.0%	5.2%	6.1%	75.0%

What we know in Ohio:

Larger 2-yr institutions dominate transfers

- ❑ Of the 2,701 students in the sample, eight large 2-year institutions account for 2,303 students – 85.3% of the sample. Fifteen other institutions account for the remaining 398 students in the sample – 14.7% of the sample.
- ❑ However, there are some variations in the transfer-out student size (by institution size).

Eight larger institutions:

Institution	Number
Cuyahoga Community	: 497
Columbus State	: 629
Sinclair	: 324
Owens State	: 238
Lorain	: 207
Stark State	: 100
Cincinnati State	: 109
Lakeland	: 199

Some of the 15 other institutions

Institution	Number
Hocking College	: 62
Clark State	: 44
Central Ohio	: 10
Southern State	: 40
Edison State	: 26
Eastern Gateway	: 17
Rio Grande	: 39

What we know in Ohio:

Larger 4-yr institutions dominate; some exceptions

- Of the 2,701 students in the sample, six 4-year institutions account for 1,717 – 63.6% of the sample. Seven other institutions account for the remaining 984 students – 36.4% of the sample.

Institution	Number	Institution	Number
Ohio State	: 681	Miami University	: 29
University of Cincinnati	: 177	Bowling Green State	: 183
Kent State	: 231	<u>Wright State</u>	<u>: 292</u>
Ohio University	: 184	<u>Cleveland State</u>	<u>: 383</u>
University of Akron	: 210	Youngstown State	: 23
University of Toledo	: 234	Shawnee State	: 59
		Central State	: 15

What we know in Ohio: Transfer student graduation rates

	All students	Year of first entry		
		2006	2007	2008
Number of students	2,701	794	1,047	860
Graduated in two years	0.3%	-	-	0.8%
Graduated in four years	10.0%	1.8%	9.8%	17.9%
Graduated in six years	49.9%	44.5%	55.1%	48.6%
Graduated in six or more years	63.4%	69.6%	66.7%	53.6%

What we know in Ohio:

Higher rates for within-region transfers

From	→ All regions	Within-region transfers		Out-of-region transfers	
		N	Rate	N	Rate
Central	N=666	N=511	Rate: 60.9%	N=155	Rate: 36.1%
Northeast	N=1,020	N=777	Rate: 47.5%	N=443	Rate: 37.4%
Northwest	N=318	N=263	Rate: 51.7%	N=55	Rate: 23.6%
Southeast	N=154	N=91	Rate: 50.5%	N=63	Rate: 23.8%
Southwest	N=543	N=407	Rate: 45.0%	N=136	Rate: 22.1%

What we know in Ohio:

Higher rates for larger 2-yr colleges, some variations

- ❑ Average graduation rate for eight large 2-year institutions : 51.3%
- ❑ Average graduation rate for other 15 2-year institutions : 41.7%

Eight larger institutions:

Institution	Rate
Cuyahoga Community	: 44.9%
Columbus State	: 57.1%
Sinclair	: 49.4%
Owens State	: 50.4%
Lorain	: 62.8%
Stark State	: 35.0%
Cincinnati State	: 44.0%
Lakeland	: 53.8%

Some of the 15 other institutions

Institution	Rate
Hocking College	: 56.5%
Clark State	: 38.6%
Central Ohio	: -
Southern State	: 30.0%
Edison State	: 53.8%
Eastern Gateway	: 23.5%
Rio Grande	: 46.2%

What we know in Ohio:

Higher rates for larger 4-yr institutions; some exceptions

Graduation rates: 4-Year Main Campuses ordered by enrollment

Institution	Number	Institution	Number
Ohio State	: 60.1%	Miami University	: 62.1%
University of Cincinnati	: 42.4%	Bowling Green State	: 61.7%
Kent State	: 49.4%	<u>Wright State</u>	<u>: 45.2%</u>
Ohio University	: 54.3%	<u>Cleveland State</u>	<u>: 53.5%</u>
<u>University of Akron</u>	<u>: 30.5%</u>	Youngstown State	: 26.1%
University of Toledo	: 42.3%	Shawnee State	: 22.0%
		Central State	:

What is the national scene?

Results from Jenkins-Fink (2016)

- Jenkins-Fink results for the nation:
 - 32% of 2-year first-time, full-time college entrants in the nation from 2008 attended a 4-year institution in a subsequent year (*transfer-out rate*)
 - 42% of the transfer-outs in the nation graduated in six years.
- Jenkins-Fink results for Ohio
 - 28% of Ohio's 2-year first-time, full-time college entrants from 2008 attended a 4-year institution in a subsequent year (*transfer-out rate*).
 - 31% of Ohio's transfer-outs graduated in six years.
- Our graduation results reproduced:
 - 2-Yr to 4-Yr college transfers in 2009 have a 49.9% six-year graduation rate.
 - These students had started as first-time, fulltime, freshman students at public 2-year institutions in 2006, 2007, and 2008.

Non-comparability of results: Differences in definition, methodology, and data

- Our results are not really comparable to those from Jenkins-Fink (J-F).
 - Our definition excludes transients; J-F includes transients.
 - We started with transfer students from a given year; J-F starts with a given cohort.
 - We have data on students attending Ohio public 2-year and 4-year institutions; J-F has information on students attending public, private non-profit, and private for-profit institutions in any state.
- We tried to see how Ohio compares to J-F results when we relax our definition and sample selection rules.
 - Similar to J-F, we started with 2008 2-year college entrants & retained only first-time, fulltime students: 14,166
 - Identified as transfer-outs if they ever attended any 4-year institution: 1,770
 - Transfer-out rate: 12.5% (J-F rates for nation & Ohio: 32% and 28%, respectively).
 - Six-year graduation rate: 36.6% (J-F rates for nation & Ohio: 42% & 31%, respect.)
 - If we consider transfers using our definition, graduation rate: 44.5%