Transfer Student Home County Mapping

Prepared for Clarion University of Pennsylvania

October 2013

In the following report, Hanover Research presents maps that compare the wealth of the counties in Pennsylvania with the average number of transfer students enrolled at Clarion University of Pennsylvania from those counties.

Table of Contents

Executive Summary and Key Findings 3

Introduction 3

Key Findings 3

Section I: Methodology 6

Section II: Maps 7

Appendix A: Counties without Transfer Students 11

Appendix B: County Codes 13

Appendix C: Transfer Students By County and Year 14

EXECUTIVE SUMMARY AND KEY FINDINGS

INTRODUCTION

In the following report, Hanover Research presents maps that compare wealth of counties in Pennsylvania (PA) with the number of transfer students enrolled at Clarion University of Pennsylvania in Fall 2010, 2011, 2012, and 2013 from these counties. For this analysis, we use county-level per capita income as an indicator for the amount of wealth of these counties. In total, we created four different maps, with the first map (Figure 2.1) providing an overview of the distribution of per capita income among the counties in PA. The second and third maps (Figures 2.2 and 2.3) compare the wealth of the counties with the number of transfer enrollments[1] at the university from the counties in PA. The final map (Figure 2.4) shows how the number of transfer students at Clarion University from the various counties in PA changed between Fall 2010 and Fall 2013 in comparison to the wealth of the counties.

KEY FINDINGS

- Table 1 shows the counties with the highest and lowest per capita income in PA with the average number of transfer freshmen and average overall transfer enrollment between 2010 and 2013. Between the top three wealthiest counties in terms of per capita income, Clarion University enrolls slightly more transfer students from Montgomery County (four) than either Chester County (one) or Bucks County (three).

Table 1: Wealthiest and Poorest PA Counties

TOP THREE	PER CAPITA INCOME	AVERAGE NUMBER OF TRANSFER FRESHMEN (2010-13)	AVERAGE TRANSFER ENROLLMENT (2010-13)
Chester County	$42,042	0	1
Montgomery County	$41,163	1	4
Bucks County	$36,601	2	3
BOTTOM THREE	**PER CAPITA INCOME**	**AVERAGE NUMBER OF TRANSFER FRESHMEN (2010-13)**	**AVERAGE TRANSFER ENROLLMENT (2010-13)**
Forest County	$14,306	1	1
Fayette County	$19,717	0	0
Mifflin County	$19,758	0	0
PA	**$27,824**	**117**	**281**

[1] Average number of transfer freshmen and total transfer enrollment at the University are mapped separately. For each of the years, total transfer enrollment takes into account students admitted to Clarion University in that fall semester at any grade level. Transfer enrollments are not applicable for graduate programs.

- Table 2 indicates that on average, approximately 45 percent of *new transfer students* from PA who enrolled in an undergraduate program at Clarion University between 2010 and 2013 are from Allegheny County, Venango County, and Clarion County. Only Allegheny is considered a wealthy county, as its average per capita income is higher than the state average. There are several counties from which Clarion University did not enroll any new transfer students between 2010 and 2013[2].

Table 2: Average Number of Transfer Freshmen (2010 to 2013)

	Average Number of Transfer Freshmen (2010-13)	Per Capita Income
PA	**117**	**$27,824**
Top	**Average Number of Transfer Freshmen (2010-13)**	**County Per Capita Income**
Allegheny County	21 (17.7%)	Above State Average
Venango County	18 (15.6%)	Below State Average
Clarion County	13 (11.3%)	Below State Average

- In terms of both *undergraduate and graduate transfer enrollments* at Clarion University, approximately 37 percent of the all in-state transfer students come from Allegheny County, Venango County, and Clarion County. Between 2010 and 2013, an average of 44 transfer students enrolled from Allegheny County, which is considered a wealthy county. There are several counties from which Clarion University did not enroll any transfer students between 2010 and 2013[3].

Table 3: Average Transfer Enrollment (2010 to 2013)

	Average Transfer Enrollment (2010-13)	Per Capita Income
PA	**281**	**$27,824**
Top	**Average Transfer Enrollment (2010-13)**	**County Per Capita Income**
Allegheny County	44 (15.6%)	Above State Average
Venango County	33 (11.8%)	Below State Average
Clarion County	28 (10.0%)	Below State Average

[2] Please refer to Figure A.1 in Appendix A for the full list of counties from which Clarion University did not enroll any new transfer students between 2010 and 2013.

[3] Please refer to Figure A.2 in Appendix A for the full list of counties from which Clarion University did not enroll any transfer students between 2010 and 2013.

- Between 2010 and 2013, Clarion University experienced the highest increases in transfer enrollment figures from Allegheny County, Clarion County, and Venango County. However, over the same time period, the number of transfer students enrolled at Clarion University from Clearfield County, Elk County, Dauphin County, and Center County decreased.

Table 4: Difference in Enrollment Between 2010 and 2013

	Change from 2010 to 2013	Per Capita Income
PA	**-26**	**$27,824**
Increase in Enrollment	**Change from 2010 to 2013**	**County Per Capita Income**
Allegheny County	13	Above State Average
Clarion County	10	Below State Average
Venango County	4	Below State Average
Decrease in Enrollment	**Change from 2010 to 2013**	**County Per Capita Income**
Clearfield County	-11	Below State Average
Elk County	-7	Below State Average
Dauphin County	-5	Above State Average
Centre County	-5	Below State Average

SECTION I: METHODOLOGY

Clarion University of Pennsylvania provided Hanover Research with student level data for Fall 2010, 2011, 2012, and 2013, which were used to compute the number of new transfer students as well as the total number of transfer students enrolled at Clarion University from each county in PA. In this report, we compare the four year average number of transfer freshman and the four year average transfer enrollment with the wealth of each of the counties in the state. In addition to this, we also created a separate map which indicates how the number of transfer students enrolled at the university from PA counties varied between 2010 and 2013.

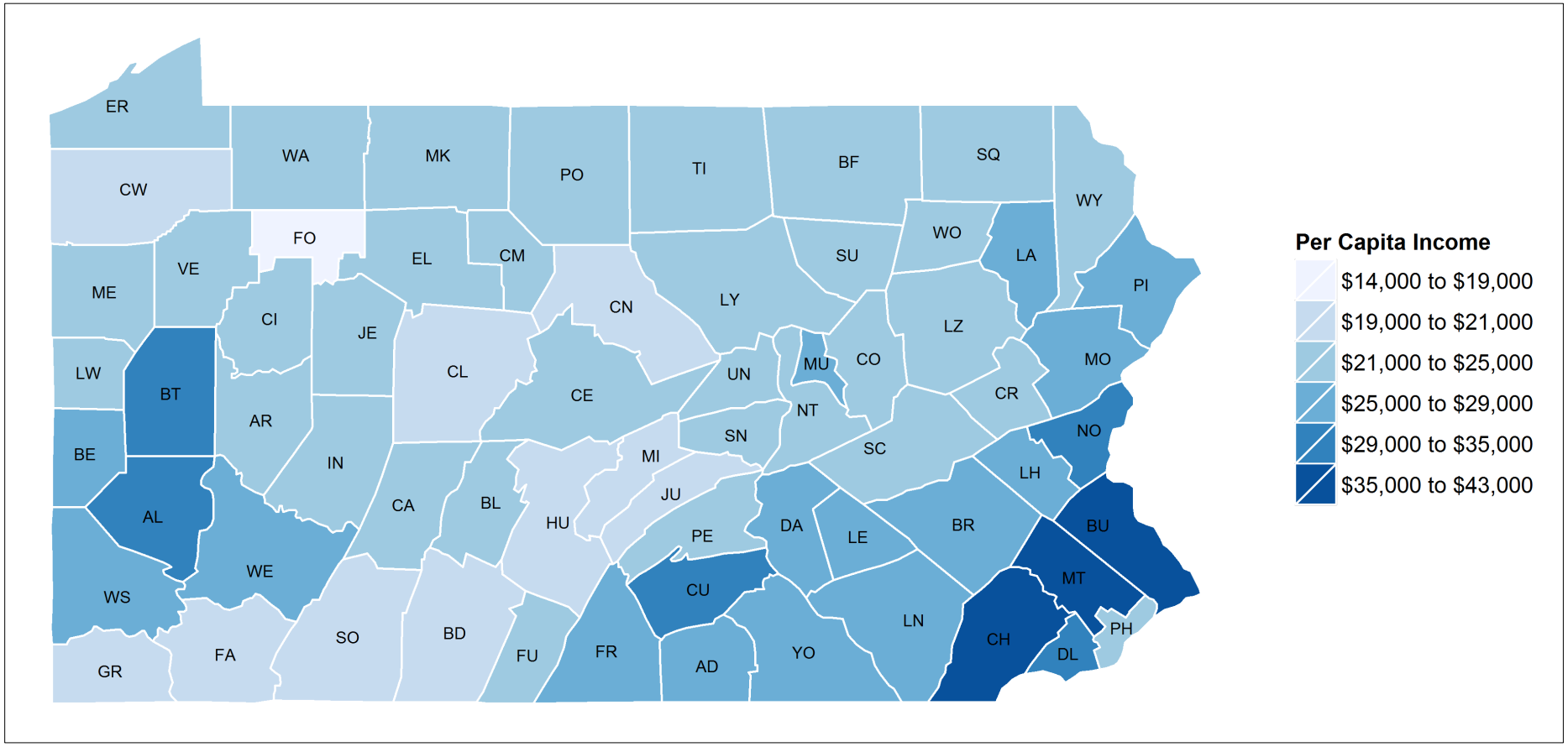
We used per capita income of each county as a standard indicator of the "wealth" of a county. County level per capita income is available from the U.S. Census Bureau, and is defined as the mean money income received in the past 12 months computed for everyone over the age of 15 in the geographic area.[4] The per capita income data used in this report use a five year estimate (2007-2011) in 2011 inflation adjusted dollars.

Figure 2.1 is a simple choropleth map that shows the distribution of per capita income among the various counties in PA (darker shade of blue indicating wealthier counties). In Figures 2.2 through 2.4, counties with per capita income higher than the state average are highlighted in **green**, while counties with per capita income lower than the state average are highlighted in **orange**. For each of the counties, different shades of green and orange are used to indicate the average number of new transfer students, the average number of transfer students enrolled at Clarion University, and the difference in the number of transfer students enrolled between 2010 and 2013. In our maps, **darker shades of green or orange indicate higher transfer enrollment or higher differences in transfer enrollment between years**.

[4] These data are collected in the American Community Survey (ACS). The data are estimates and are subject to sampling variability. The data for each geographic area are presented together with margins of error at factfinder2.census.gov. The data are period estimates, that is, they represent the characteristics of the population over a specific 60-month data collection period.

SECTION II: MAPS

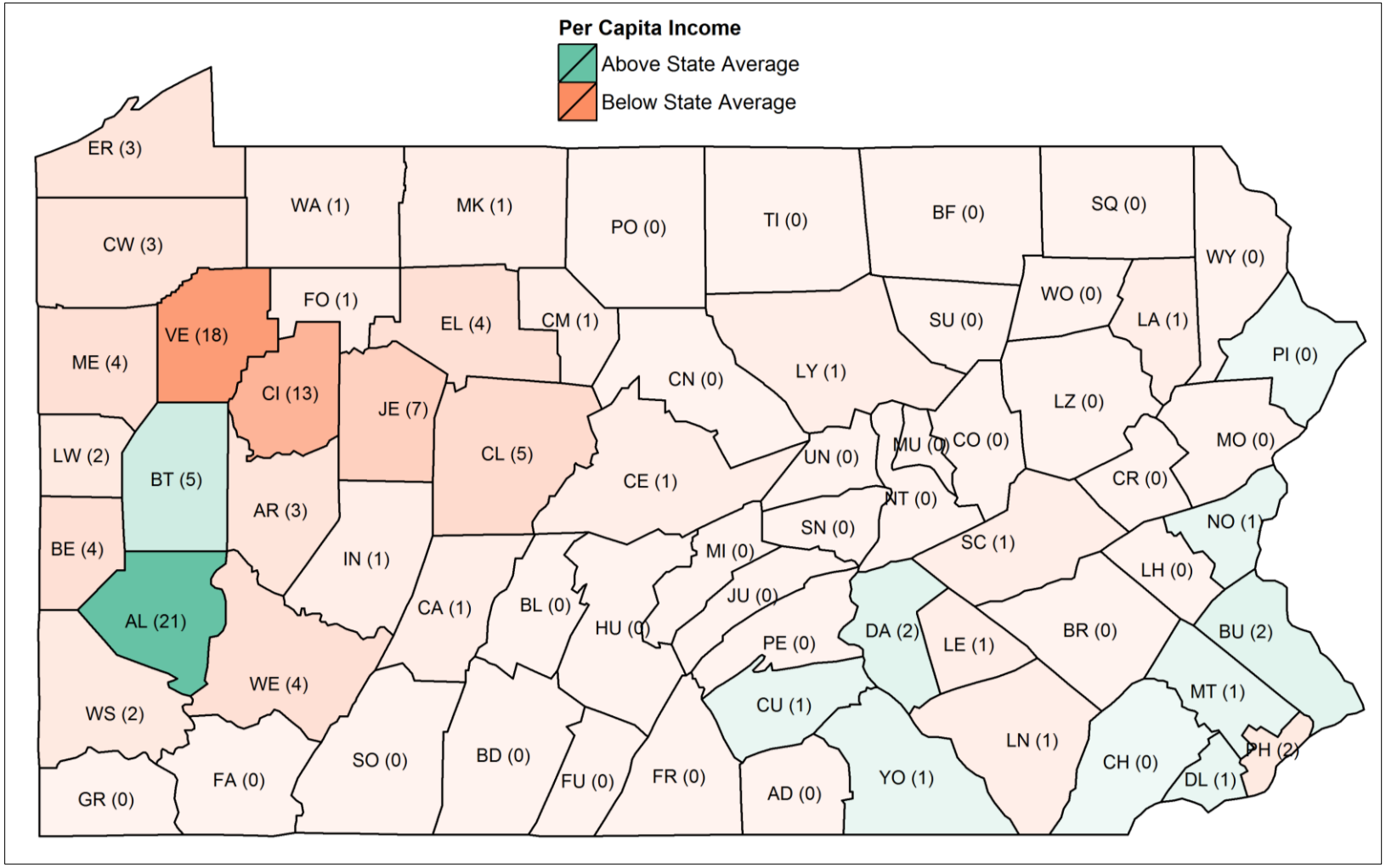
Figure 2.1: Pennsylvania per Capita Income in the Past 12 Months (in 2011 Inflation-Adjusted Dollars), 2007-2011 by County[5]



[5] Please refer to Figure B.1 in Appendix B for the county codes.

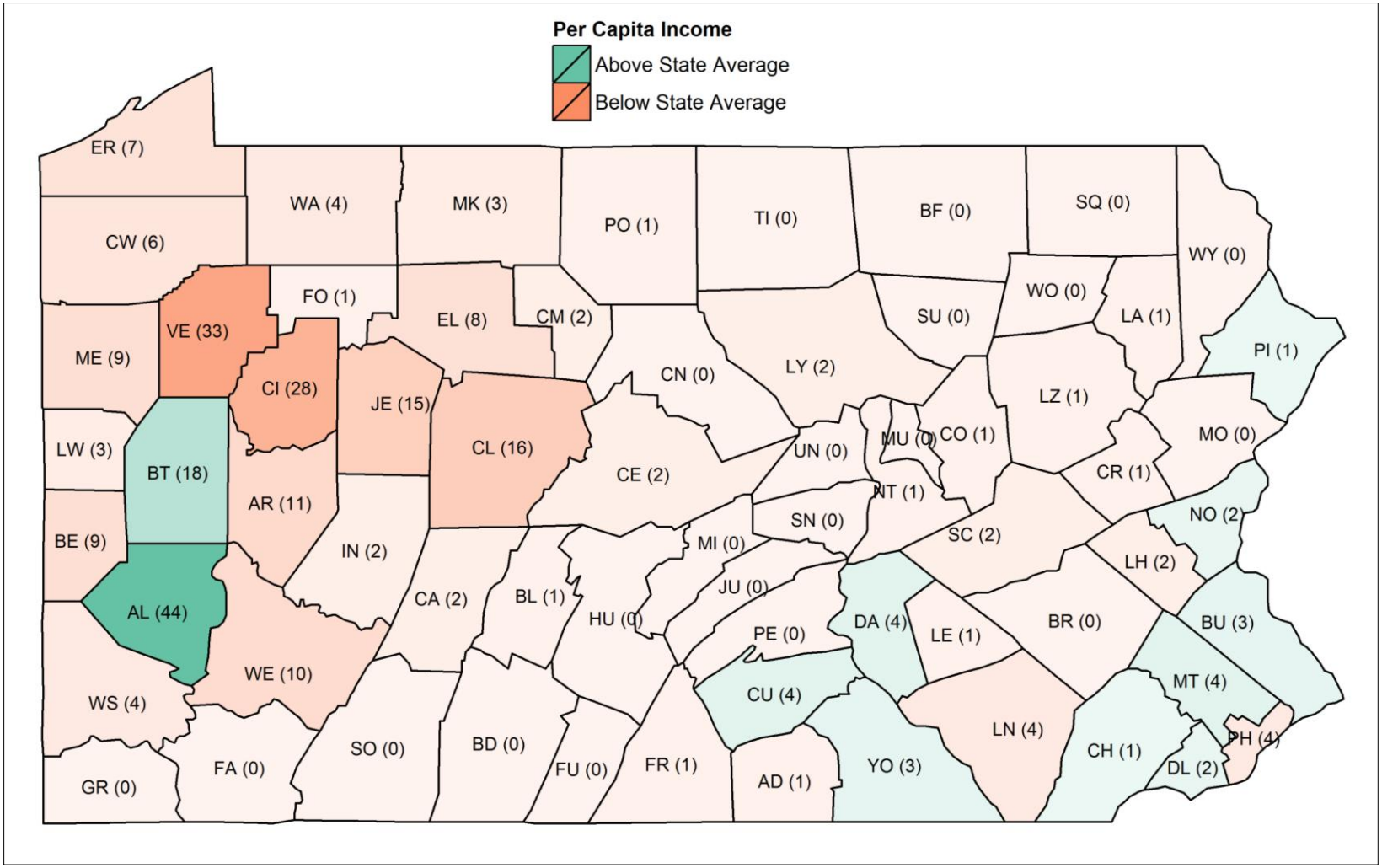
© 2013 Hanover Research | Academy Administration Practice

Figure 2.2: Per Capita Income and Average Number of Transfer Freshmen at Clarion University of Pennsylvania between 2010 and 2013 by Counties in Pennsylvania



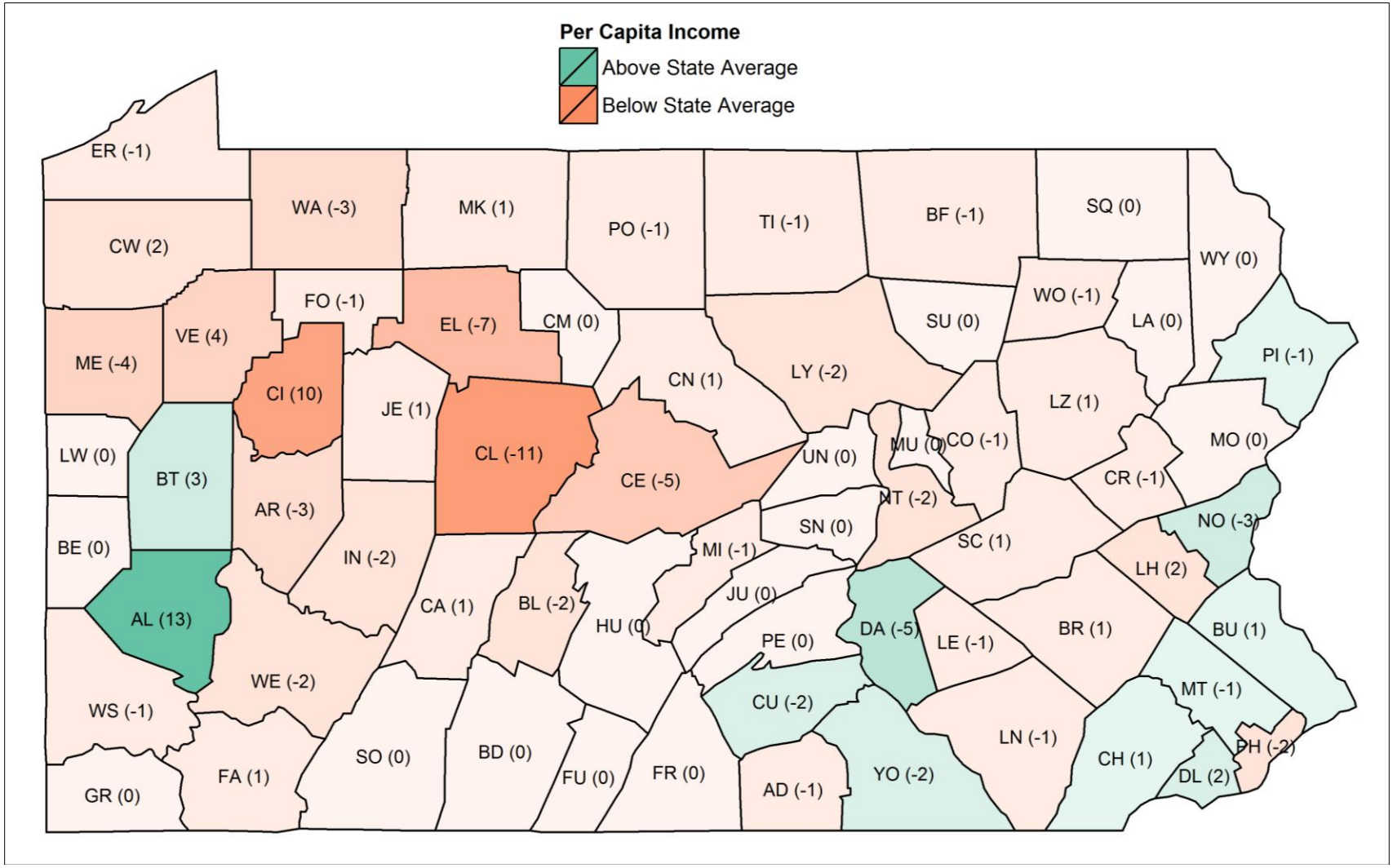
*Please refer to Figure C.1 in Appendix C for detailed transfer freshmen numbers by county and year.

Figure 2.3: Per Capita Income and Average Number of All Transfer Students Enrolled at Clarion University of Pennsylvania between 2010 and 2013 by Counties in Pennsylvania



*Please refer to Figure C.2 in Appendix C for detailed transfer enrollment numbers by county and year.

Figure 2.4: Per Capita Income and the Difference in Transfer Student Enrollment at Clarion University of Pennsylvania between 2010 and 2013 by Counties in Pennsylvania



Appendix A: Counties without Transfer Students

Figure A.1: Counties from Which There Were No Freshmen Transfer Students at Clarion between 2010 and 2013

County	County Per Capita Income
Adams County	Below State Average
Bedford County	Below State Average
Berks County	Below State Average
Blair County	Below State Average
Bradford County	Below State Average
Carbon County	Below State Average
Fulton County	Below State Average
Greene County	Below State Average
Huntingdon County	Below State Average
Juniata County	Below State Average
Luzerne County	Below State Average
Mifflin County	Below State Average
Monroe County	Below State Average
Montour County	Below State Average
Perry County	Below State Average
Snyder County	Below State Average
Sullivan County	Below State Average
Susquehanna County	Below State Average
Union County	Below State Average
Wayne County	Below State Average
Wyoming County	Below State Average

Figure A.2: Counties from Which There Were No Transfer Students Enrolled at Clarion between 2010 and 2013.

County	County Per Capita Income
Greene County	Below State Average
Huntingdon County	Below State Average
Juniata County	Below State Average
Montour County	Below State Average
Snyder County	Below State Average
Sullivan County	Below State Average
Susquehanna County	Below State Average
Wayne County	Below State Average

APPENDIX B: COUNTY CODES

Figure B.1: County Codes Used in the Maps

COUNTY NAMES	CODE	COUNTY NAMES	CODE
Adams County	AD	Juniata County	JU
Allegheny County	AL	Lackawanna County	LA
Armstrong County	AR	Lancaster County	LN
Beaver County	BE	Lawrence County	LW
Bedford County	BD	Lebanon County	LE
Berks County	BR	Lehigh County	LH
Blair County	BL	Luzerne County	LZ
Bradford County	BF	Lycoming County	LY
Bucks County	BU	McKean County	MK
Butler County	BT	Mercer County	ME
Cambria County	CA	Mifflin County	MI
Cameron County	CM	Monroe County	MO
Carbon County	CR	Montgomery County	MT
Centre County	CE	Montour County	MU
Chester County	CH	Northampton County	NO
Clarion County	CI	Northumberland County	NT
Clearfield County	CL	Perry County	PE
Clinton County	CN	Philadelphia County	PH
Columbia County	CO	Pike County	PI
Crawford County	CW	Potter County	PO
Cumberland County	CU	Schuylkill County	SC
Dauphin County	DA	Snyder County	SN
Delaware County	DL	Somerset County	SO
Elk County	EL	Sullivan County	SU
Erie County	ER	Susquehanna County	SQ
Fayette County	FA	Tioga County	TI
Forest County	FO	Union County	UN
Franklin County	FR	Venango County	VE
Fulton County	FU	Warren County	WA
Greene County	GR	Washington County	WS
Huntingdon County	HU	Wayne County	WY
Indiana County	IN	Westmoreland County	WE
Jefferson County	JE	Wyoming County	WO
		York County	YO

Appendix C: Transfer Students By County and Year

Figure C.1: Transfer Freshmen by County and Year

County	2010	2011	2012	2013	Four Year Average
Adams County	0	0	0	0	0
Allegheny County	17	17	14	35	21
Armstrong County	3	3	2	2	3
Beaver County	3	6	2	6	4
Bedford County	0	0	0	0	0
Berks County	0	0	0	0	0
Blair County	0	0	0	0	0
Bradford County	0	0	0	0	0
Bucks County	1	1	3	1	2
Butler County	5	5	3	6	5
Cambria County	0	1	2	0	1
Cameron County	1	0	0	2	1
Carbon County	0	0	0	0	0
Centre County	2	0	1	0	1
Chester County	0	1	0	0	0
Clarion County	8	17	13	15	13
Clearfield County	6	7	4	1	5
Clinton County	0	0	0	1	0
Columbia County	1	0	0	0	0
Crawford County	2	1	3	4	3
Cumberland County	0	1	1	0	1
Dauphin County	4	0	1	1	2
Delaware County	0	1	1	1	1
Elk County	4	4	4	3	4
Erie County	2	4	5	1	3
Fayette County	0	0	0	1	0
Forest County	1	1	1	0	1
Franklin County	0	0	0	1	0
Fulton County	0	0	0	0	0
Greene County	0	0	0	0	0
Huntingdon County	0	0	0	0	0
Indiana County	2	0	1	0	1
Jefferson County	6	7	8	6	7
Juniata County	0	0	0	0	0
Lackawanna County	0	0	2	0	1
Lancaster County	1	2	1	1	1

County	2010	2011	2012	2013	Four Year Average
Lawrence County	2	3	1	1	2
Lebanon County	1	1	0	0	1
Lehigh County	0	0	0	1	0
Luzerne County	0	0	0	0	0
Lycoming County	1	2	0	0	1
McKean County	1	0	0	1	1
Mercer County	5	3	3	5	4
Mifflin County	0	0	0	0	0
Monroe County	0	0	0	0	0
Montgomery	0	3	0	1	1
Montour County	0	0	0	0	0
Northampton County	3	0	0	1	1
Northumberland County	1	0	0	0	0
Perry County	0	0	0	0	0
Philadelphia County	1	2	2	3	2
Pike County	1	0	0	0	0
Potter County	0	0	1	0	0
Schuylkill County	0	0	0	2	1
Snyder County	0	0	0	0	0
Somerset County	0	1	0	0	0
Sullivan County	0	0	0	0	0
Susquehanna County	0	0	0	0	0
Tioga County	1	0	0	0	0
Union County	0	0	0	0	0
Venango County	22	15	19	17	18
Warren County	2	1	1	0	1
Washington County	3	1	4	1	2
Wayne County	0	0	0	0	0
Westmoreland County	6	2	3	5	4
Wyoming County	0	0	0	0	0
York County	4	0	0	1	1
Total	**123**	**113**	**106**	**127**	**117**

Figure C.2: All Transfer Enrollments by County and Year

County	2010	2011	2012	2013	Four Year Average	Difference between 2010 and 2013
Adams County	1	1	1	0	1	-1
Allegheny County	43	33	43	56	44	13
Armstrong County	9	16	12	6	11	-3
Beaver County	8	9	11	8	9	0
Bedford County	0	1	0	0	0	0
Berks County	0	0	0	1	0	1
Blair County	2	1	1	0	1	-2
Bradford County	1	0	0	0	0	-1
Bucks County	2	4	4	3	3	1
Butler County	17	16	19	20	18	3
Cambria County	1	3	2	2	2	1
Cameron County	2	0	2	2	2	0
Carbon County	1	2	2	0	1	-1
Centre County	5	0	1	0	2	-5
Chester County	0	1	2	1	1	1
Clarion County	18	32	34	28	28	10
Clearfield County	19	21	14	8	16	-11
Clinton County	0	0	0	1	0	1
Columbia County	1	0	2	0	1	-1
Crawford County	5	3	10	7	6	2
Cumberland County	3	3	7	1	4	-2
Dauphin County	6	6	3	1	4	-5
Delaware County	0	4	1	2	2	2
Elk County	10	10	8	3	8	-7
Erie County	5	10	8	4	7	-1
Fayette County	0	0	0	1	0	1
Forest County	1	1	2	0	1	-1
Franklin County	1	0	0	1	1	0
Fulton County	0	0	1	0	0	0
Greene County	0	0	0	0	0	0
Huntingdon County	0	0	0	0	0	0
Indiana County	2	3	3	0	2	-2
Jefferson County	12	18	17	13	15	1
Juniata County	0	0	0	0	0	0
Lackawanna County	0	0	2	0	1	0
Lancaster County	3	6	5	2	4	-1
Lawrence County	4	4	1	4	3	0

County	2010	2011	2012	2013	Four Year Average	Difference between 2010 and 2013
Lebanon County	1	1	0	0	1	-1
Lehigh County	0	2	3	2	2	2
Luzerne County	0	2	1	1	1	1
Lycoming County	2	3	1	0	2	-2
McKean County	1	3	5	2	3	1
Mercer County	11	8	8	7	9	-4
Mifflin County	1	0	0	0	0	-1
Monroe County	0	0	1	0	0	0
Montgomery	4	6	3	3	4	-1
Montour County	0	0	0	0	0	0
Northampton County	4	1	2	1	2	-3
Northumberland County	2	0	0	0	1	-2
Perry County	0	1	0	0	0	0
Philadelphia County	7	2	3	5	4	-2
Pike County	1	1	1	0	1	-1
Potter County	1	1	2	0	1	-1
Schuylkill County	1	0	3	2	2	1
Snyder County	0	0	0	0	0	0
Somerset County	0	1	0	0	0	0
Sullivan County	0	0	0	0	0	0
Susquehanna County	0	0	0	0	0	0
Tioga County	1	0	0	0	0	-1
Union County	0	0	1	0	0	0
Venango County	28	33	40	32	33	4
Warren County	5	3	4	2	4	-3
Washington County	3	5	6	2	4	-1
Wayne County	0	0	0	0	0	0
Westmoreland County	11	13	8	9	10	-2
Wyoming County	1	0	0	0	0	-1
York County	5	1	2	3	3	-2
Total	**272**	**295**	**312**	**246**	**281**	**-26**

Project Evaluation Form

Hanover Research is committed to providing a work product that meets or exceeds partner expectations. In keeping with that goal, we would like to hear your opinions regarding our reports. Feedback is critically important and serves as the strongest mechanism by which we tailor our research to your organization. When you have had a chance to evaluate this report, please take a moment to fill out the following questionnaire.

http://www.hanoverresearch.com/evaluation/index.php

Caveat

The publisher and authors have used their best efforts in preparing this brief. The publisher and authors make no representations or warranties with respect to the accuracy or completeness of the contents of this brief and specifically disclaim any implied warranties of fitness for a particular purpose. There are no warranties which extend beyond the descriptions contained in this paragraph. No warranty may be created or extended by representatives of Hanover Research or its marketing materials. The accuracy and completeness of the information provided herein and the opinions stated herein are not guaranteed or warranted to produce any particular results, and the advice and strategies contained herein may not be suitable for every partner. Neither the publisher nor the authors shall be liable for any loss of profit or any other commercial damages, including but not limited to special, incidental, consequential, or other damages. Moreover, Hanover Research is not engaged in rendering legal, accounting, or other professional services. Partners requiring such services are advised to consult an appropriate professional.

1750 H Street NW, 2nd Floor
Washington, DC 20006

P 202.756.2971 F 866.808.6585
www.hanoverresearch.com