

Introduction

From 2007 to 2008, 407,288 people moved into Ohio from other parts of the U.S. and 442,980 moved out of state to elsewhere in the country. Top sources of net migration into Ohio included surrounding states such as Michigan and Pennsylvania. Top destinations for net migration out of Ohio included several Sun Belt states, from North Carolina to Nevada. The net loss of 35,692 domestic migrants does not factor in natural increase (births minus deaths) and foreign-born immigrants. Overall, the U.S. Census Bureau estimates that Ohio gained 8,269 people from 2007 to 2008.

This Data Byte uses data from the Internal Revenue Service (see box on p. 3) to investigate Ohio migration patterns at three geographic levels:

1. National: Between Ohio and the rest of the U.S.
2. State: Between Cuyahoga, Franklin, and Hamilton counties and the rest of Ohio.
3. Within the Cleveland, Columbus, and Cincinnati metro areas.

Join us in this fourth edition of CRP Data Bytes as we explore Ohio’s domestic migration patterns.

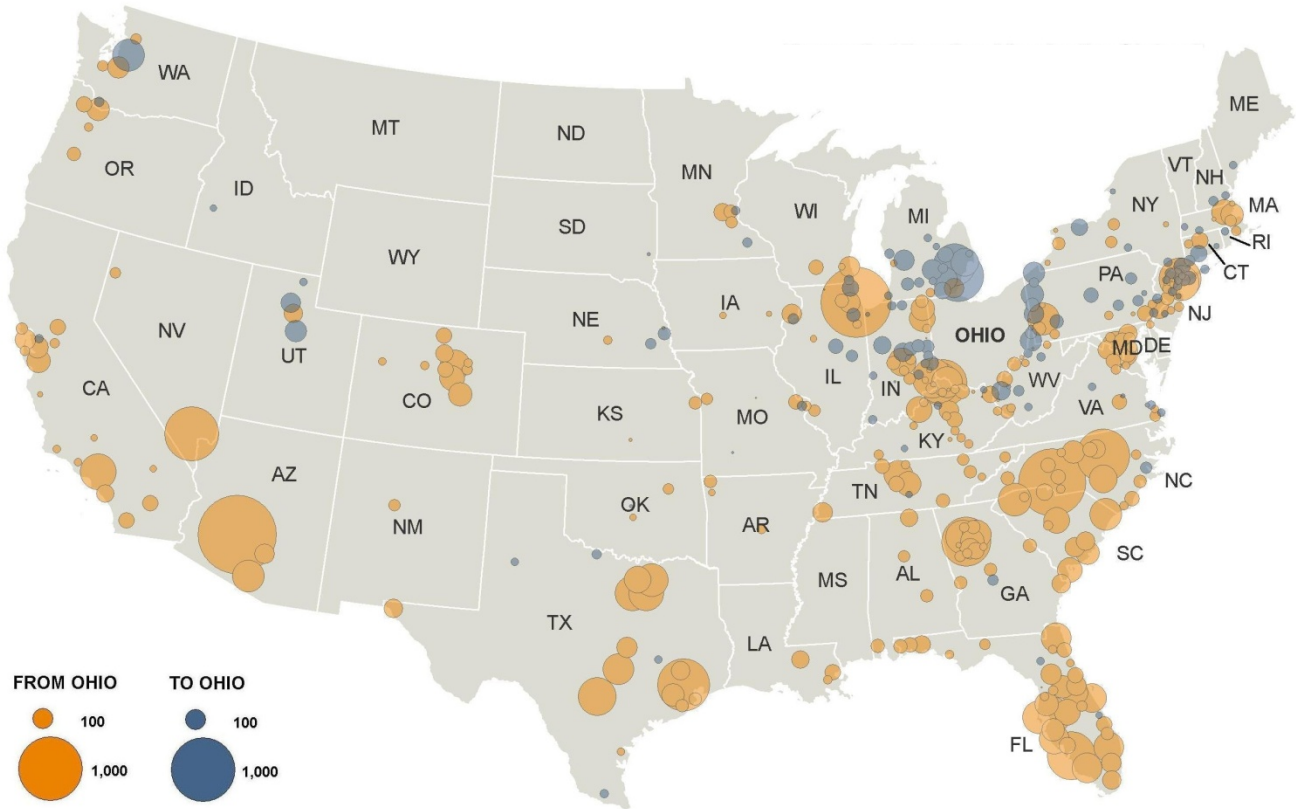
Migration between Ohio and the rest of the U.S.

Ohio experienced a net inflow of people from counties in nearby Northeast and Midwest states (Table 1). Counties in Michigan, including three in the Detroit metropolitan area, represented four of the top five.

Table 1. Top 10 counties for net in-migration to Ohio, 2007-08

County, State (Metro)	Inflow	Outflow	Net Inflow
Wayne, MI (Detroit)	1,809	1,173	636
Oakland, MI (Detroit)	1,273	830	443
King, WA (Seattle)	276	25	251
Macomb, MI (Detroit)	394	202	192
Washtenaw, MI (Ann Arbor)	525	401	124
Mercer, PA (Youngstown)	582	458	124
Marshall, WV (Wheeling)	212	89	123
Utah, UT (Provo)	153	32	121
Honolulu, HI (Honolulu)	351	235	116
Erie, PA (Erie)	446	331	115

Figure 1. Net domestic migration between Ohio and U.S. counties outside Ohio, 2007-2008



For the U.S. map, the size of the circle indicates the net number persons who moved, using the scale shown above. For all other maps in the report, which vary in scale, the sizes represent relative amounts of net flow.
From Ohio (out-migration): Orange circles represent counties that received more Ohio residents than they sent to the state.
To Ohio (in-migration): Blue circles represent counties that sent more people to Ohio than they received.

Ohio experienced a net outflow of people to counties in Sun Belt states (Table 2). These counties represented seven of the top ten destinations for out-migration from the state. Also on the list are two of the nation's biggest cities: Cook County, Illinois (Chicago) and New York County, New York (Manhattan borough). Kenton County, Kentucky is a suburban county in the Cincinnati metro area.

Table 2. Top 10 counties for net out-migration from Ohio, 2007-08

County, State (Metro)	Inflow	Outflow	Net Outflow
Maricopa, AZ (Phoenix)	1,530	3,029	1,499
Cook, IL (Chicago)	2,134	3,357	1,223
Mecklenburg, NC (Charlotte)	522	1,651	1,129
Clark, NV (Las Vegas)	865	1,577	712
Wake, NC (Raleigh)	266	953	687
Harris, TX (Houston)	571	1,245	674
Fulton, GA (Atlanta)	380	968	588
Lee, FL (Fort Myers)	693	1,257	564
Kenton, KY (Cincinnati)	1,769	2,313	544
New York, NY (New York)	527	969	442

A regional look at migration to and from Ohio

A regional analysis provides further insights into the migration patterns between Ohio and other parts of the U.S. More detailed data on migration between Ohio and each U.S. state and D.C. are in the Appendix.

Among the top five states for net inflow of persons to Ohio, three were neighboring states: Michigan, West Virginia, and Pennsylvania. However, the net number of people going from Michigan to Ohio was far higher than from other states (Table 3).

Table 3. Top 5 states for net in-migration to Ohio, 2007-08

State	Inflow	Outflow	Net Inflow
Michigan	6,692	4,890	1,802
Utah	437	289	148
West Virginia	2,921	2,786	135
Pennsylvania	4,364	4,235	129
Hawaii	351	235	116

The top five states for net outflow of persons from Ohio were in the southern half of the U.S., from Florida to Arizona. From 2007 to 2008, Florida had the highest numbers of people moving both into and out from

Ohio, for a total volume of 17,475. Each of the states in the top five had net migration from Ohio that exceeds 1,800 people.

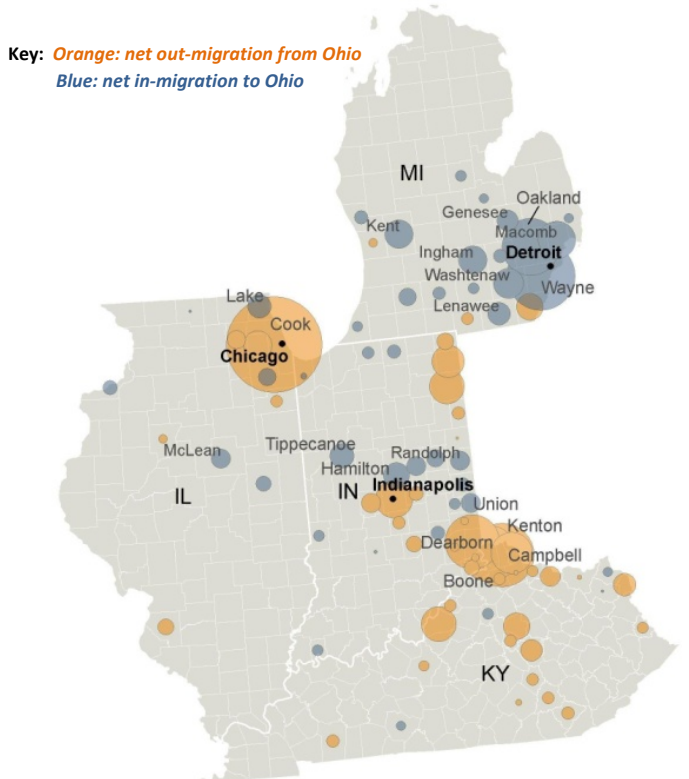
Table 4. Top 5 states for net out-migration from Ohio, 2007-08

State	Inflow	Outflow	Net Outflow
Florida	6,738	10,737	3,999
Texas	2,017	4,816	2,799
North Carolina	1,628	4,229	2,601
Arizona	1,720	3,564	1,844
Kentucky	5,479	7,290	1,811

Midwest neighbors

From 2007 to 2008, Ohio experienced an inflow of 6,692 people from Michigan, compared to an outflow of 4,890. The resulting net inflow of 1,802 places Michigan as the top source of domestic migrants to Ohio, far above Utah, which had the second-highest net inflow into Ohio at just 148 people. On the other hand, Kentucky had a net gain of 1,811 people from Ohio due to people moving to the suburbs from the city of Cincinnati. Indiana was a more mixed picture. Cook County, Illinois (Chicago) was the county with the highest total volume of migration to and from Ohio, with a combined flow of 5,491 people.

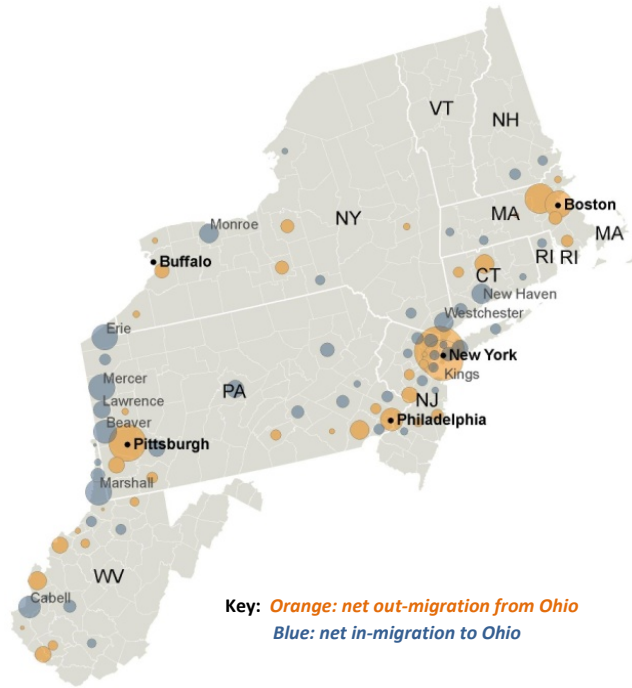
Figure 2. Net domestic migration between Ohio and counties in Illinois, Indiana, Kentucky, and Michigan, 2007-08



The Northeast

Migration patterns between Ohio and areas of the Northeast were mixed. Several metropolitan areas such as New York, Philadelphia, Boston, and Pittsburgh received more people from Ohio than they sent. Manhattan borough in New York ranked 10th among U.S. counties as a net receiver of Ohioans. Several Pennsylvania and West Virginia counties on Ohio's border sent more people to Ohio than they received.

Figure 3. Net domestic migration between Ohio and counties in the Northeast, 2007-08



How did we do this? Data from the IRS

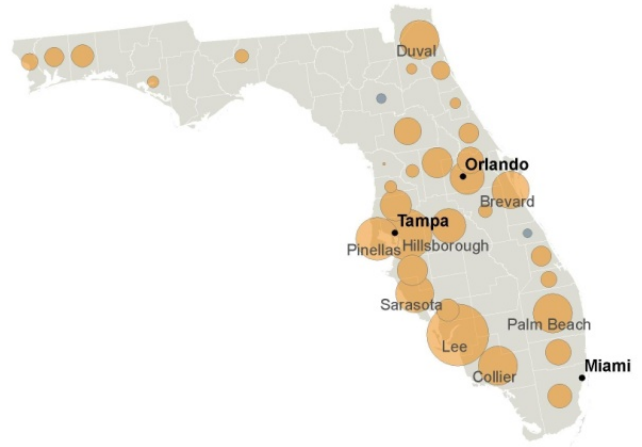
All data used in this Data Byte are from the Internal Revenue Service (IRS), which aggregates tax returns and compares these records annually to derive County-to-County Migration data. If a household files taxes from X County in 2007 and from Y County in 2008, the IRS interprets this change as migration from X to Y County between 2007 and 2008. The number of tax returns serves as a proxy for the number of households, and the number of tax exemptions serves as a proxy for the number of people. More information can be found at: <http://www.irs.gov/taxstats/indtaxstats/article/0,,id=96816,00.html>

This Data Byte was inspired by a recent article in the New York Times, which detailed migration between New York City and the rest of the U.S. <http://www.nytimes.com/interactive/2009/06/14/nyregion/0614-migration.html?ref=nyregion>

Florida

Florida had the largest volumes of both inflow (6,738) and outflow (10,737) between Ohio and other states. The resulting difference of 3,999 made Florida the top destination for net migration from Ohio. A large portion of these Ohioans moved to Florida's coastal counties, but there also were high levels of migration into the Tampa, Orlando, and Jacksonville areas.

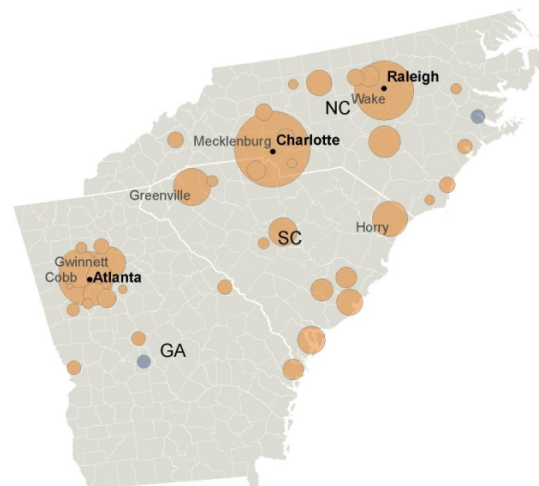
Figure 4. Net domestic migration between Ohio and counties in Florida, 2007-08



The Carolinas and Georgia

Because the Charlotte and Raleigh areas both attracted large numbers of Ohioans, the state of North Carolina ranked 3rd behind Florida and Texas in net flow of people from Ohio (2,601). The Atlanta area also drew many Ohioans, with Fulton County ranking 7th among U.S. counties in net flow from Ohio (588). Coastal counties that include Myrtle Beach, Hilton Head, Charleston, and Savannah also attracted Ohioans.

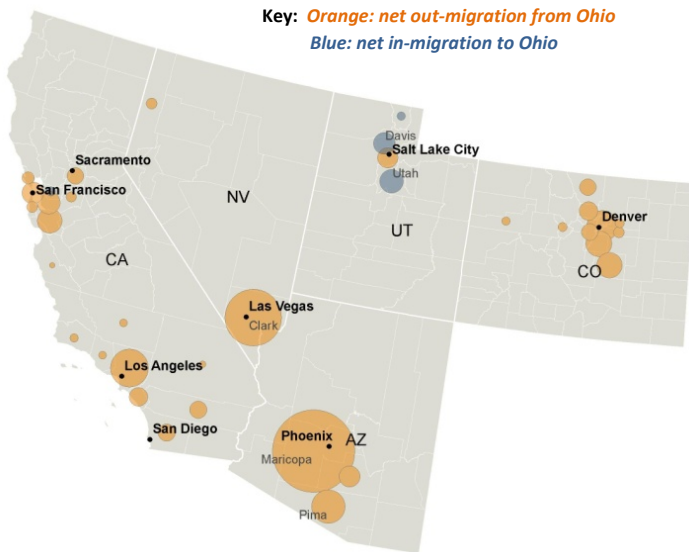
Figure 5. Net domestic migration between Ohio and counties in North Carolina, South Carolina, and Georgia, 2007-2008



The Southwest and California

Phoenix, Las Vegas, Denver, Los Angeles, and the Bay Area were all major destinations for Ohioans on the move. The area in and around Salt Lake City had a mixed pattern of net flows to and from Ohio. At the state level, Arizona ranked 4th in the net flow of residents from Ohio (1,844).

Figure 6. Net domestic migration between Ohio and counties in North Carolina, South Carolina, and Georgia, 2007-08



Migration within Cleveland, Columbus, and Cincinnati metro areas and to or from the rest of Ohio

Data for migration patterns within Ohio reflected the varying levels of economic health throughout the state. Each of the core counties of Ohio’s three largest metro areas showed suburbanization, with net outflows to neighboring counties (Figure 10). Cuyahoga, Franklin, and Hamilton counties had net outflows of 4,900, 4,161, and 4,421, respectively, from the central county to the suburban counties in their metro areas (Table 5).

However, Cuyahoga, Franklin, and Hamilton counties varied greatly in migration patterns with counties in Ohio outside of their metro areas (Figures 7 to 9). Cuyahoga County had a net outflow of 1,565 people to Ohio counties outside the Cleveland metro area. Franklin County, on the other hand, gained 4,260 residents from across Ohio outside the Columbus metro area, balancing out the loss to its suburban neighbors. Hamilton County experienced a small gain (382 people) from the rest of the state once losses to Butler, Clermont, and Warren counties are factored out. More detailed data on migration for Ohio’s three major urban counties are available in the Appendix.

Figure 7. Net migration between Cuyahoga and other Ohio counties

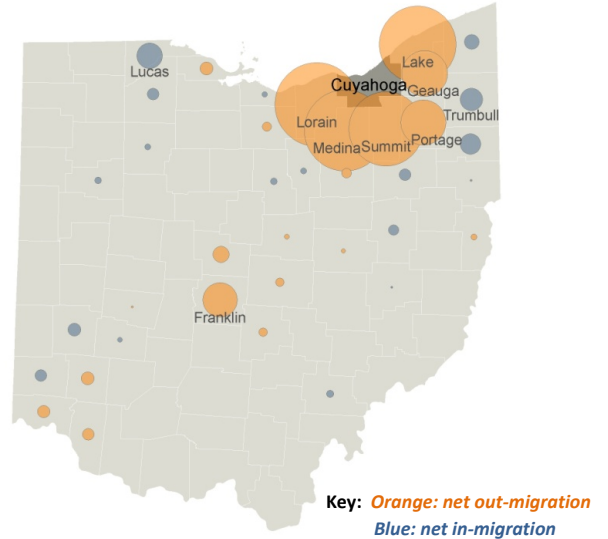


Figure 8. Net migration between Franklin and other Ohio counties

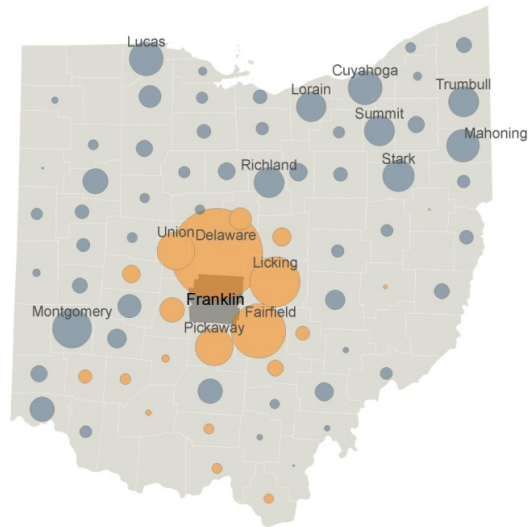


Figure 9. Net migration between Hamilton and other Ohio counties

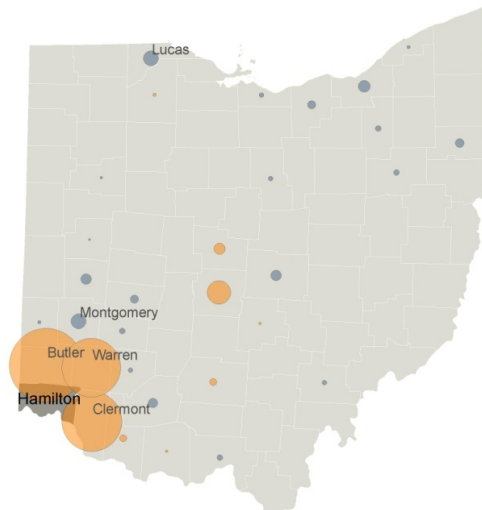


Figure 10. Net outflow from the central county to suburban counties within Cleveland, Columbus, and Cincinnati metro areas, 2007-08

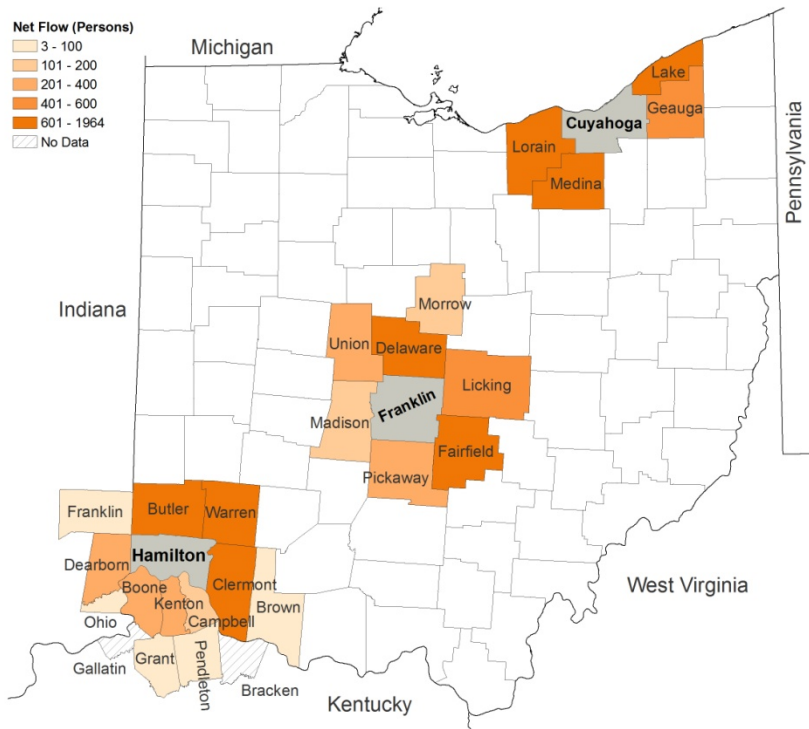


Table 5. Migration between Cuyahoga, Franklin, and Hamilton counties and the rest of Ohio, 2007-08

County	Net loss to counties in metro area	Net gain from/loss to rest of Ohio
Cuyahoga	-4,900	-1,565
Franklin	-4,161	+4,260
Hamilton	-4,421	+382

Concluding thoughts

Using IRS data from 2007-2008, this Data Byte provides a snapshot of where Ohioans are moving to and where new Ohioans are moving from. Some movements are those of retirees to destinations such as Florida, Arizona, and the coastal areas of the Carolinas, though there are many people from those regions returning to Ohio as well.

The majority of movements, however, may indicate the pursuit of economic opportunity, whether it is Ohio drawing people from other parts of the Northeast and Midwest or losing people to emergent Sun Belt states. Even within Ohio, Franklin County attracts people from across the state, providing evidence of Central Ohio’s relative economic health.

Future migration data will provide information about the extent to which the economic downturn has affected migration patterns. Recent stories on Florida’s first instance of population loss since World War II¹ may be a harbinger for changes in trends in the 2009 IRS data. CRP will collect and analyze future data to monitor any changes in Ohio’s migration patterns.

¹ Allen, Greg (2009, Sep. 4). A magnet no more: Florida’s population shrinks. *National Public Radio*. <http://www.npr.org/templates/story/story.php?storyId=112560860>

About Community Research Partners

Community Research Partners (CRP) is a unique nonprofit research center that strengthens Ohio communities through data, information and knowledge. CRP works in a wide range of fields, including education, health, housing, employment, safety, poverty, community development, and race and diversity. Since its formation in 2000, CRP has undertaken over 230 research, evaluation, and community data projects both within and outside of central Ohio.

CRP is a partnership of the City of Columbus, United Way of Central Ohio, the John Glenn School of Public Affairs at The Ohio State University, and the Franklin County Commissioners. CRP is a partner in the Urban Institute’s National Neighborhood Indicators Partnership and is the Ohio partner for the national Working Poor Families Project.

For more information regarding this document or CRP projects, programs, and services, you can:

- Call us at (614) 224-5917
- E-mail info@communityresearchpartners.org
- Visit our web sites: <http://www.communityresearchpartners.org>
<http://www.datasourcecolumbus.org>
<http://www.ohioworkforcecoalition.org>

Note: CRP would like to thank Research Assistant Tingran Liu for her hard work on this Data Byte. Tingran, a graduate student in the OSU City and Regional Planning program, interned with CRP during the summer of 2009.

Appendix

Table A1. Ohio inflow from and outflow to other U.S. states, 2007-2008

State	Inflow	Outflow	Total Flow	Net Flow
Alabama	283	484	767	-201
Alaska	128	97	225	+31
Arizona	1,720	3,564	5,284	-1,844
Arkansas	80	157	237	-77
California	4,063	5,108	9,171	-1,045
Colorado	620	1,391	2,011	-771
Connecticut	436	416	852	+20
Delaware	96	113	209	-17
District of Columbia	174	396	570	-222
Florida	6,738	10,737	17,475	-3,999
Georgia	1,584	3,317	4,901	-1,733
Hawaii	351	235	586	+116
Idaho	30	17	47	+13
Illinois	3,275	4,485	7,760	-1,210
Indiana	4,227	4,964	9,191	-737
Iowa	97	210	307	-113
Kansas	124	169	293	-45
Kentucky	5,479	7,290	12,769	-1,811
Louisiana	34	197	231	-163
Maine	49	33	82	+16
Maryland	824	1,391	2,215	-567
Massachusetts	747	1,080	1,827	-333
Michigan	6,692	4,890	11,582	+1,802
Minnesota	450	572	1,022	-122
Mississippi	/	19	19	/
Missouri	517	605	1,122	-88
Montana	/	/	/	/
Nebraska	179	133	312	+46
Nevada	895	1,635	2,530	-740
New Hampshire	66	26	92	+40
New Jersey	944	939	1,883	+5
New Mexico	162	198	360	-36
New York	2,527	3,068	5,595	-541
North Carolina	1,628	4,229	5,857	-2,601
North Dakota	/	/	/	/
Oklahoma	166	206	372	-40
Oregon	112	370	482	-258
Pennsylvania	4,364	4,235	8,599	+129
Rhode Island	85	69	154	+16
South Carolina	481	1,756	2,237	-1,275
South Dakota	23	20	43	+3
Tennessee	950	1,689	2,639	-739
Texas	2,017	4,816	6,833	-2,799
Utah	437	289	726	+148
Vermont	/	/	/	/
Virginia	1,502	2,014	3,516	-512
Washington	399	1,010	1,409	-611
West Virginia	2,921	2,786	5,707	+135
Wisconsin	354	501	855	-147
Wyoming	/	/	/	/

Note: State totals do not include county-to-county migration data where the number of tax returns is less than 10. Therefore, states that lack data in the above table did not have any counties in 2007-2008 where the number of households migrating to or from counties in Ohio was 10 or more.

Table A2. Migration between Cuyahoga County and suburban counties in the Cleveland metro area, 2007-2008

County	Inflow	Outflow	Total Flow	Net Flow
Geauga	559	1,039	1,598	-480
Lake	2,179	3,517	5,696	-1,338
Lorain	2,582	4,179	6,761	-1,597
Medina	1,545	3,030	4,575	-1,485
Total	6,865	11,765	18,630	-4,900

Table A3. Migration between Franklin County and suburban counties in the Columbus metro area, 2007-2008

County	Inflow	Outflow	Total Flow	Net Flow
Delaware	3,342	5,306	8,648	-1,964
Fairfield	2,723	3,412	6,135	-689
Licking	2,075	2,660	4,735	-585
Madison	941	1,084	2,025	-143
Morrow	205	318	523	-113
Pickaway	987	1,322	2,309	-335
Union	605	937	1,542	-332
Total	10,878	15,039	25,917	-4,161

Table A4. Migration between Hamilton County and suburban counties in the Cincinnati metro area, 2007-2008

County (State)	Inflow	Outflow	Total Flow	Net Flow
Butler (OH)	4,708	6,066	10,774	-1,358
Boone (KY)	486	790	1,276	-304
Bracken (KY)	/	/	/	/
Brown (OH)	206	219	425	-13
Campbell (KY)	649	835	1,484	-186
Clermont (OH)	2,680	3,582	6,262	-902
Dearborn (IN)	582	952	1,534	-370
Franklin (IN)	115	129	244	-14
Gallatin (KY)	/	/	/	/
Grant (KY)	43	54	97	-11
Kenton (KY)	1,185	1,583	2,768	-398
Ohio (IN)	20	28	48	-8
Pendleton (KY)	24	27	51	-3
Warren (OH)	1,546	2,400	3,946	-854
Total	12,244	16,665	28,909	-4,421

Table A5. Top 10 Ohio counties outside the Cleveland metro area by total flow to and from Cuyahoga County, 2007-2008

County	Inflow	Outflow	Total Flow	Net Flow
Summit	2,291	3,531	5,822	-1,240
Franklin	919	1,193	2,112	-274
Portage	733	1,197	1,930	-464
Stark	329	298	627	+31
Lucas	340	193	533	+147
Hamilton	239	275	514	-36
Ashtabula	277	226	503	+51
Mahoning	249	153	402	+96
Trumbull	257	140	397	+117
Montgomery	192	152	344	+40
All Ohio counties	14,152	20,617	34,769	-6,465

Table A6. Top 10 Ohio counties outside the Columbus metro area by total flow to and from Franklin County, 2007-2008

County	Inflow	Outflow	Total Flow	Net Flow
Cuyahoga	1,193	919	2,112	+274
Montgomery	926	569	1,495	+357
Hamilton	720	581	1,301	+139
Summit	611	400	1,011	+211
Lucas	577	309	886	+268
Knox	334	414	748	-80
Richland	458	242	700	+216
Stark	465	233	698	+232
Clark	391	266	657	+125
Ross	397	254	651	+143
All Ohio counties	24,826	24,727	49,553	+99

Table A7. Top 10 Ohio counties outside the Cincinnati metro area by total flow to and from Hamilton County, 2007-2008

County	Inflow	Outflow	Total Flow	Net Flow
Franklin	581	720	1,301	-139
Montgomery	527	471	998	+56
Cuyahoga	275	239	514	+36
Greene	128	119	247	+9
Lucas	119	63	182	+56
Summit	90	82	172	+8
Clinton	88	82	170	+6
Delaware	51	83	134	-32
Clark	63	47	110	+16
Highland	64	43	107	+21
All Ohio counties	11,957	14,702	26,659	-2,745