

The AMATS Quarterly

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Population and Area Work Trips

There were considerable increases in the number of work trips to, from, and within the AMATS study area during the 1990s. The U.S. Census Bureau is releasing transportation-related data collected from the 2000 Census for all states and counties in the nation. These data are derived from responses to the 2000 Census long-form (sample) questions on where people worked. When compared to data from the 1990 Census, the 2000 data show that, although there were a few declines in the number of intercounty work trips between the AMATS study area and neighboring counties, the overall trend was that the number of work trips rose during the decade.

This special edition of *The AMATS Quarterly* presents some of the work-trip information contained in the 2000 Census. This issue summarizes daily one-way* intercounty work trips between Summit and Portage counties and 12 neighboring counties in Northeastern Ohio and daily internal county work trips within these two counties. This issue includes a comparison of information gathered in the 1990 Census and the 2000 Census. Maps detailing daily work trips to and from Summit and Portage counties are presented on pages 2 and 3. A table detailing the 2000 Census work trip data by county is presented on page 4. A map and table detailing population change by county are presented on page 5. This issue of *The AMATS Quarterly* only reports on the data concerning trips between counties and not municipalities as this data is not yet available from the U.S. Census Bureau. The length of a work trip is also unavailable. Therefore, when reviewing the intercounty data, keep in mind that there is no difference between a short trip, such as from Macedonia to Oakwood Village, and a long trip, such as from Green to Cleveland.

Work trips represent a significant share of total travel in an area and provide insight to commerce and growth patterns. Intercounty work-trip travel information offers an understanding of the relationships between regions, intercounty accessibility and commuting patterns and provides a basis for analyzing population and employment distribution patterns.

During the decade, total intercounty work trips to and from the AMATS study area increased by 32.9 percent, from 101,655 intercounty work trips in 1990 to 135,135 in 2000. Individually, Summit and Portage counties showed significant increases as well. Total intercounty work trips to and from Summit County increased by 31.2 percent, from 102,723 intercounty work trips in 1990 to 134,828 in 2000. Total intercounty work trips to and from Portage County increased by 26.1 percent, from 45,830 intercounty work trips in 1990 to 57,809 in 2000.

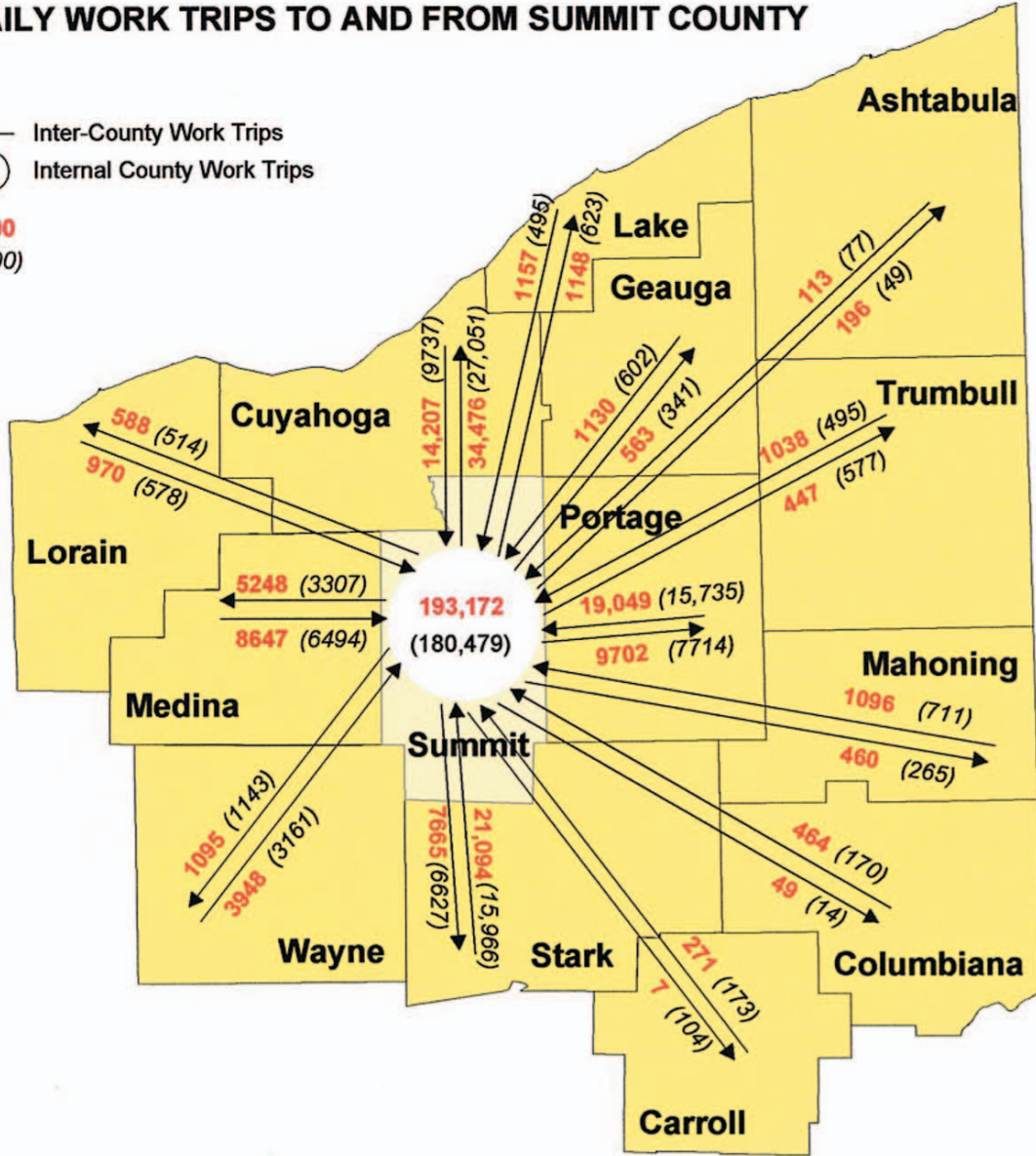
The Census data also show that the number of intercounty work trips to Summit and Portage counties grew at a faster rate than the number of intercounty work trips from both counties. Summit County posted an increase of 34.5 percent in intercounty work trips to the county, from 54,394 intercounty work trips in 1990 to 73,184 in 2000, while Portage County increased by 40.3 percent, from 14,224 intercounty work trips in 1990 to 19,953 in 2000. In contrast, the number of intercounty work trips from Summit

* A one-way work trip is a person's trip from their place of residence to work.

DAILY WORK TRIPS TO AND FROM SUMMIT COUNTY

← Inter-County Work Trips
 ○ Internal County Work Trips

2000
 (1990)

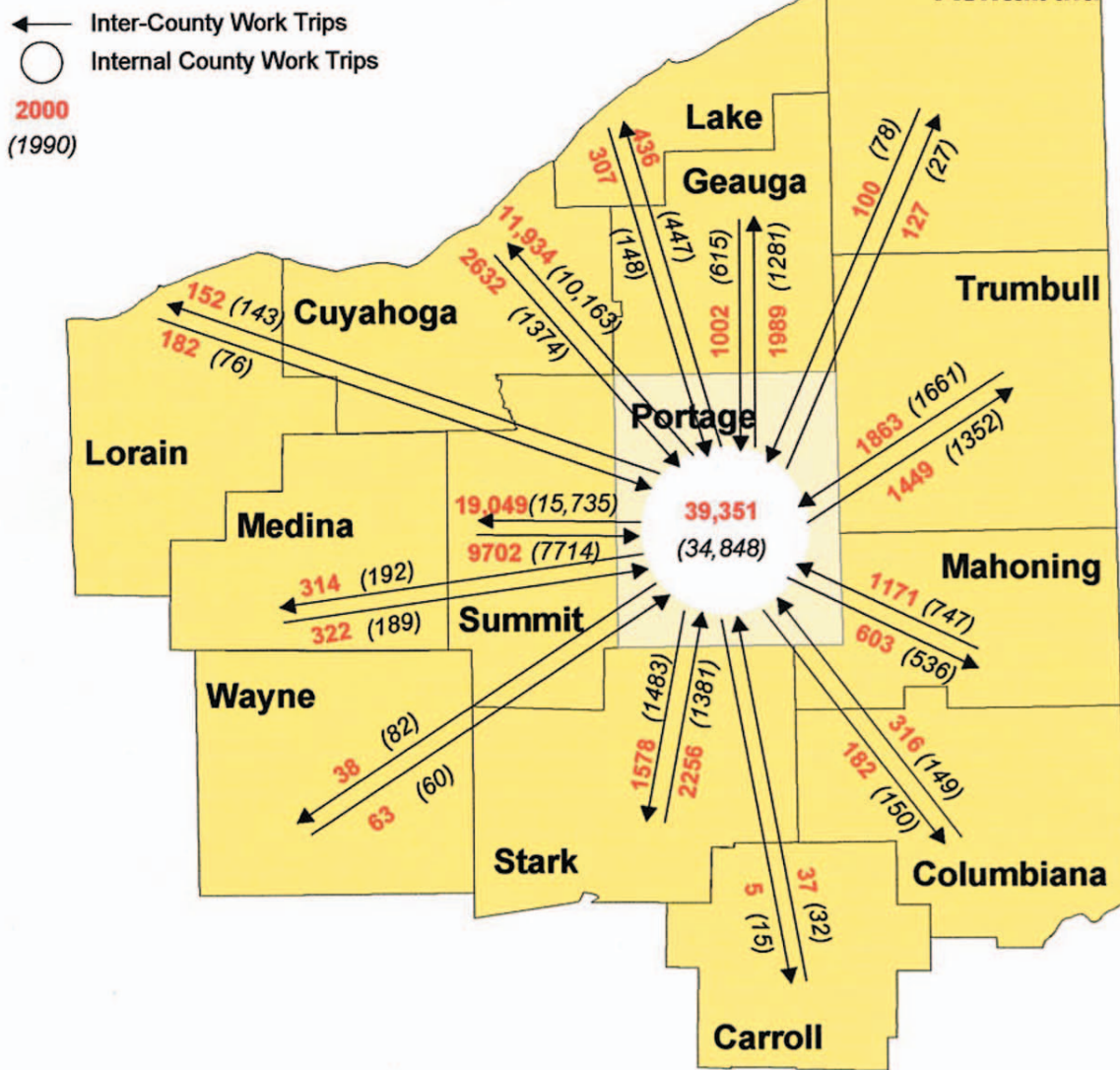


Data Source: 1990 and 2000 Census

County grew by 27.6 percent, from 48,329 intercounty work trips in 1990 to 61,644 in 2000, while Portage County increased by 19.8 percent, from 31,606 intercounty work trips in 1990 to 37,856 in 2000.

Among the 12 neighboring counties of Northeast Ohio, Cuyahoga County showed the greatest increase in the number of daily intercounty work trips to and from the AMATS study area. During the decade, travel from Cuyahoga County to Summit County climbed 45.9 percent, from 9,737 intercounty work trips in 1990 to 14,207 in 2000. Travel from Summit County to Cuyahoga County increased by 27.4 percent, from 27,051 intercounty work trips in 1990 to 34,476 in 2000. Similarly, travel from Cuyahoga County to Portage County climbed by 91.6 percent, from 1,374 intercounty work trips in 1990 to 2,632 in 2000. Travel from Portage County to Cuyahoga County increased by 17.4 percent, from 10,163 intercounty work trips in 1990 to 11,934 in 2000.

DAILY WORK TRIPS TO AND FROM PORTAGE COUNTY



Data Source: 1990 and 2000 Census

As noted previously, there were few declines in the number of intercounty work trips between the AMATS study area and neighboring counties, but the declines that were recorded were for intercounty work trips departing from Summit and Portage counties into other counties. The steepest decline in work trips was between Summit County and Carroll County, which dropped by 93.3 percent from 104 intercounty work trips in 1990 to seven in 2000. Similarly, the number of intercounty work trips from Portage County into Carroll County declined by 66.7 percent, from 15 intercounty work trips in 1990 to five in 2000.

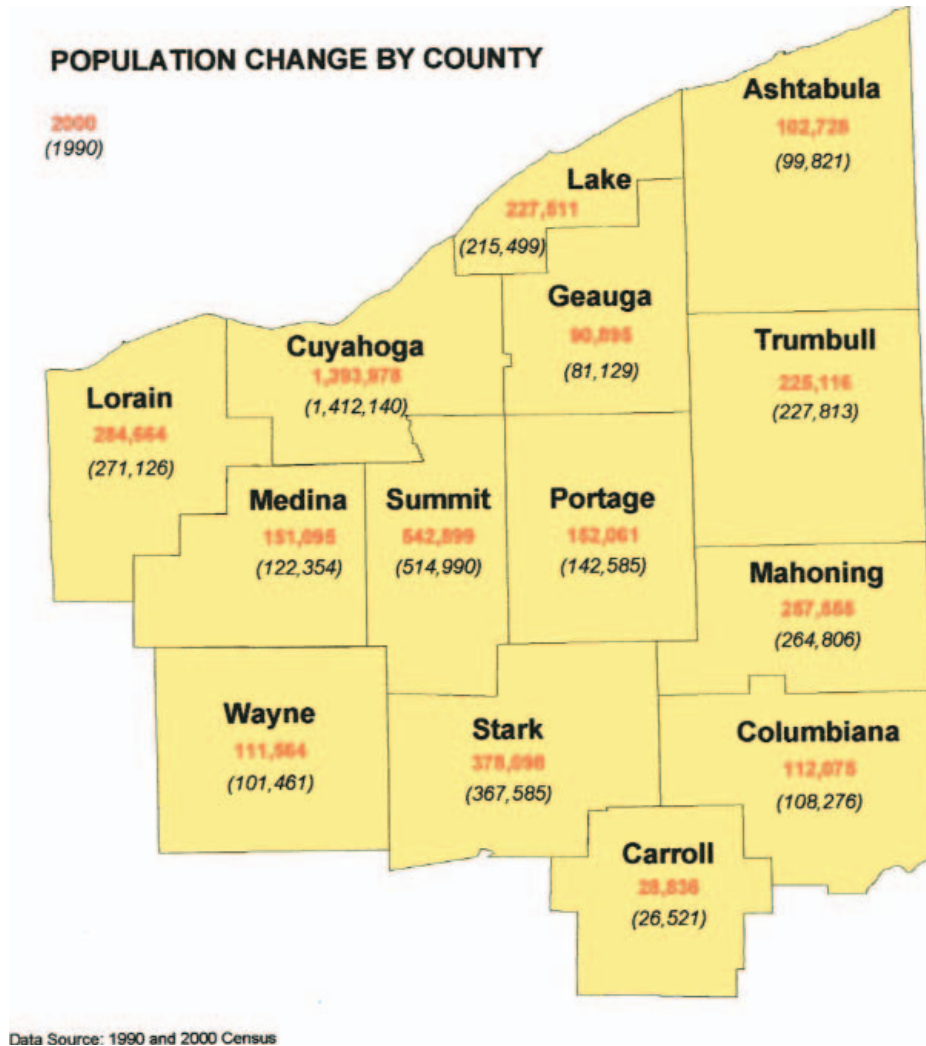
The 2000 Census data reveal other notable trends about the AMATS study area. Between 1990 and 2000, Summit and Portage counties saw significant increases in daily internal county work trips. Summit County saw an increase of 7.0 percent, from 180,479 internal county work trips in 1990 to 193,172 in 2000. Portage County experienced similar growth during the decade with an increase of 12.9 percent, from 34,848 internal county work trips in 1990 to 39,351

CENSUS 2000 WORK TRIP DATA BY COUNTY

County	Work Trips to Summit Co.			Work Trips from Summit Co.		
	2000	1990	% change	2000	1990	% change
Ashtabula	113	77	46.8%	196	49	300.0%
Carroll	271	173	56.6%	7	104	-93.3%
Columbiana	464	170	172.9%	49	14	250.0%
Cuyahoga	14,207	9,737	45.9%	34,476	27,051	27.4%
Geauga	1,130	602	87.7%	563	341	65.1%
Lake	1,157	495	133.7%	1,148	623	84.3%
Lorain	970	578	67.8%	588	514	14.4%
Mahoning	1,096	711	54.1%	460	265	73.6%
Medina	8,647	6,494	33.2%	5,248	3,307	58.7%
Portage	19,049	15,735	21.1%	9,702	7,714	25.8%
Stark	21,094	15,966	32.1%	7,665	6,627	15.7%
Trumbull	1,038	495	109.7%	447	577	-22.5%
Wayne	3,948	3,161	24.9%	1,095	1,143	-4.2%
Total	73,184	54,394	34.5%	61,644	48,329	27.6%

County	Work Trips to Portage Co.			Work Trips from Portage Co.		
	2000	1990	% change	2000	1990	% change
Ashtabula	100	78	28.2%	127	27	370.4%
Carroll	37	32	15.6%	5	15	-66.7%
Columbiana	316	149	112.1%	182	150	21.3%
Cuyahoga	2,632	1,374	91.6%	11,934	10,163	17.4%
Geauga	1,002	615	62.9%	1,989	1,281	55.3%
Lake	307	148	107.4%	436	447	-2.5%
Lorain	182	76	139.5%	152	143	6.3%
Mahoning	1,171	747	56.8%	603	536	12.5%
Medina	322	189	70.4%	314	192	63.5%
Stark	2,256	1,381	63.4%	1,578	1,483	6.4%
Summit	9,702	7,714	25.8%	19,049	15,735	21.1%
Trumbull	1,863	1,661	12.2%	1,449	1,352	7.2%
Wayne	63	60	5.0%	38	82	-53.7%
Total	19,953	14,224	40.3%	37,856	31,606	19.8%

County	Work Trips to Por. & Sum. Co. Area			Work Trips from Por. & Sum. Co. Area		
	2000	1990	% change	2000	1990	% change
Ashtabula	213	155	37.4%	323	76	325.0%
Carroll	308	205	50.2%	12	119	-89.9%
Columbiana	780	319	144.5%	231	164	40.9%
Cuyahoga	16,839	11,111	51.6%	46,410	37,214	24.7%
Geauga	2,132	1,217	75.2%	2,552	1,622	57.3%
Lake	1,464	643	127.7%	1,584	1,070	48.0%
Lorain	1,152	654	76.1%	740	657	12.6%
Mahoning	2,267	1,458	55.5%	1,063	801	32.7%
Medina	8,969	6,683	34.2%	5,562	3,499	59.0%
Stark	23,350	17,347	34.6%	9,243	8,110	14.0%
Trumbull	2,901	2,156	34.6%	1,896	1,929	-1.7%
Wayne	4,011	3,221	24.5%	1,133	1,225	-7.5%
Total	64,386	45,169	42.5%	70,749	56,486	25.3%



Population Change By County

County	2000	1990	Change	% Change
Ashtabula	102,728	99,821	2,907	2.91%
Carroll	28,836	26,521	2,315	8.73%
Columbiana	112,075	108,276	3,799	3.51%
Cuyahoga	1,393,978	1,412,140	-18,162	-1.29%
Geauga	90,895	81,129	9,766	12.04%
Lake	227,511	215,499	12,012	5.57%
Lorain	284,664	271,126	13,538	4.99%
Mahoning	257,555	264,806	-7,251	-2.74%
Medina	151,095	122,354	28,741	23.49%
Portage	152,061	142,585	9,476	6.65%
Stark	378,098	367,585	10,513	2.86%
Summit	542,899	514,990	27,909	5.42%
Trumbull	225,116	227,813	-2,697	-1.18%
Wayne	111,564	101,461	10,103	9.96%
Total	4,059,075	3,956,106	102,969	2.60%

in 2000. These totals are consistent with population increases.

Travel between the counties of the AMATS study area also increased during the period. Travel from Summit County to Portage County increased by 25.8 percent, from 7,714 intercounty work trips in 1990 to 9,702 in 2000. Similarly, travel from Portage County to Summit County increased by 21.1 percent, from 15,735 intercounty work trips in 1990 to 19,049 in 2000.

Additional information about intercounty work trips and trips between minor civil divisions will be included in the 2000 Census Transportation Planning Package. This package has been ordered by the Ohio Department of Transportation from the U.S. Census Bureau and AMATS expects to receive it by late 2003.

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