



RESEARCH REPORT

A publication providing statistical information on Howard County demographics, socioeconomic and employment trends and patterns. Available from the Department of Planning and Zoning by calling (410) 313-4370.

2000 CENSUS Journey to Work

Introduction

In March, 2003, the Census Bureau released the 2000 Journey to Work data. These sample data were compiled from the Census 2000 responses to the long form questions on where people worked. The files represent data at the county (and independent city) level for residents of all 50 states and the District of Columbia. *The data can be looked at in two ways: 1) information on where county residents work, and 2) information on where county workers live. This Research Report focuses on these questions for Howard County. Comparisons to Maryland as a whole and other Maryland jurisdictions are also included. In addition, data from earlier Census's are reported in some cases to note the change in commuting patterns over time.*

Note that the question in the long form questionnaire used to ascertain the Journey to Work data was: *At what location did this person work LAST WEEK?* As a result, responses included out of State or other far off work locations if the person filling out the form happened to be traveling on a temporary assignment for their particular job.

Howard County Commuting Patterns

Where County Residents Work

As is often pointed out, Howard County is centrally located between the Baltimore and Washington regions. This has commonly been noted as one of the key reasons for the County's success in terms of both economic growth and quality of life. Jobs are plentiful in these two major U.S. markets and commute times are reasonable. It has often been touted that the County is ideal for two income households where one member has a job in Baltimore and the other in D.C. In fact, the 2000 Census data show that there is an even split for out of county commuters between the D.C. and Baltimore regions.

In 2000, 30.4 percent of working Howard County residents commuted to the Baltimore region and 30.4 percent commuted to the Washington region. Another 38 percent worked in Howard County. The remaining 1.2 percent commuted to other areas of Maryland or out of State. This roughly 1/3 split of workers holding jobs in the Baltimore and D.C. regions and Howard County has been consistent since 1980 even though the working population of Howard County has more

than doubled from 61,839 in 1980 to 134,992 in 2000. Since, 1980 there has been a slight upward trend in the percentage of Howard County residents working in Howard County, from 33.8 percent in 1980 to 38.0 percent in 2000. In terms of total numbers of workers, there were 20,594 Howard County residents holding jobs in Howard County in 1980 and 51,255 in 2000. The approximate 32 to 30 percent split of workers between Baltimore and D.C. since 1980 has remained consistent through 2000, with only slight decreases as more residents found jobs in Howard County. The increase in the Howard County share can be attributed to the relatively strong job growth in the County, particularly over the last decade. The large number of additional jobs have benefited all living in the region, including Howard County residents.¹

Looking further back to 1970, there were only 23,648 working Howard County residents, about 40 percent of the 61,839 workers a decade later. Although there were a much smaller number of workers then, similar to 1980 through 2000, 1/3 of these residents worked in Howard County. However, there was a large difference in the percentage split between Washington and Baltimore with only 21.6 percent working in the Washington region and a much larger 43.6 percent working in the Baltimore region. The shift more towards D.C. starting after 1970 reflects the growth of jobs in the Washington region beginning at that time.

The tables and charts below summarize this information over the four time periods. A map depicting the out-commuting patterns for Howard County residents in 2000 detailed to the jurisdictional level is also displayed following the charts on Page 5.

**Location of Work of Howard County Residents
1970 to 2000**

Region/Area	1970		1980		1990		2000	
Howard County	7,897	33.4%	20,594	33.8%	39,289	35.8%	51,255	38.0%
DC Region (1)	5,116	21.6%	19,031	31.3%	35,375	32.2%	41,089	30.4%
Baltimore Region (2)	10,303	43.6%	20,222	33.2%	34,038	31.0%	41,075	30.4%
Rest of Maryland, Other States	332	1.4%	992	1.6%	1,141	1.0%	1,573	1.2%
Total	23,648	100.0%	60,839	100.0%	109,843	100.0%	134,992	100.0%

(1) Includes Frederick, Montgomery, Prince Georges, DC, and Virginia

(2) Includes Anne Arundel, Baltimore County, Baltimore City, Carroll, and Harford

Source: U.S. Census

**Location of Work of Howard County Residents - Decade Change
1970 to 2000 (total number and percent increase)**

Region/Area	1970 to 1980		1980 to 1990		1990 to 2000	
Howard County	12,697	160.8%	18,695	90.8%	11,966	30.5%
DC Region (1)	13,915	272.0%	16,344	85.9%	5,714	16.2%
Baltimore Region (2)	9,919	96.3%	13,816	68.3%	7,037	20.7%
Rest of Maryland, Other States	660	198.8%	149	15.0%	432	37.9%
Total	37,191	157.3%	49,004	80.5%	25,149	22.9%

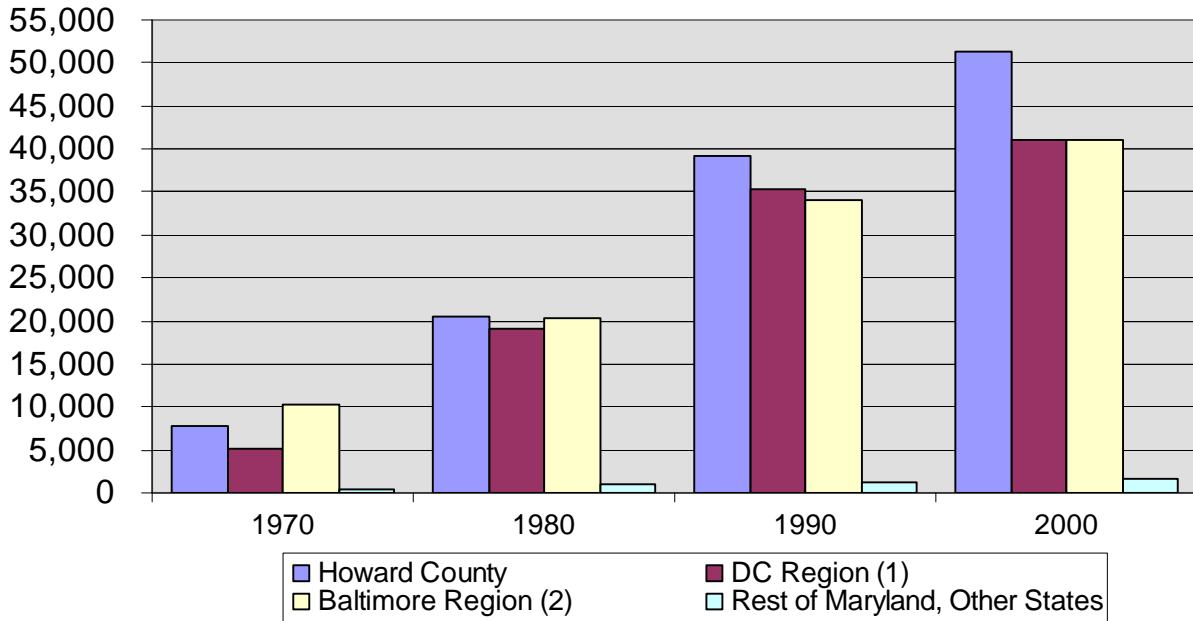
(1) Includes Frederick, Montgomery, Prince Georges, DC, and Virginia

(2) Includes Anne Arundel, Baltimore County, Baltimore City, Carroll, and Harford

Source: U.S. Census

¹ For further information on jobs in Howard County, refer to Research Report Issue 2, [Howard County Employment – Year 2000](#) and Issue 4, [Howard County Employment Growth – 1990 to 2000](#)

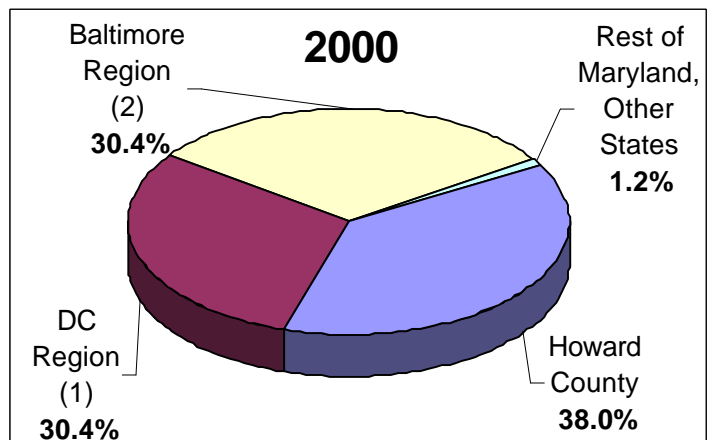
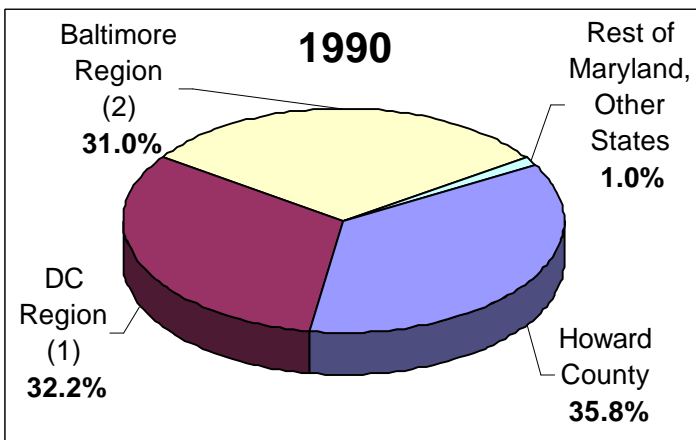
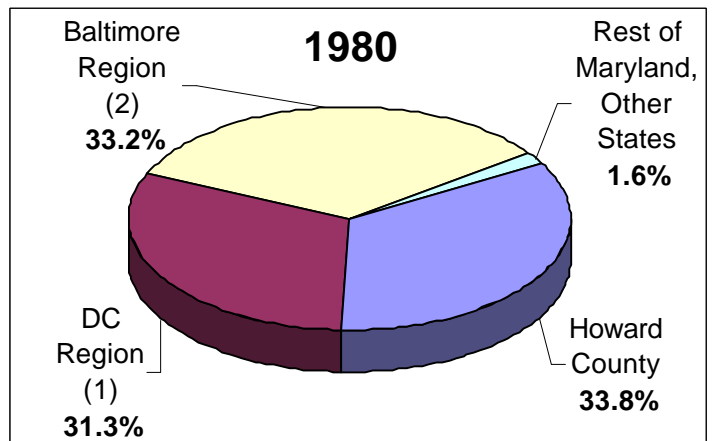
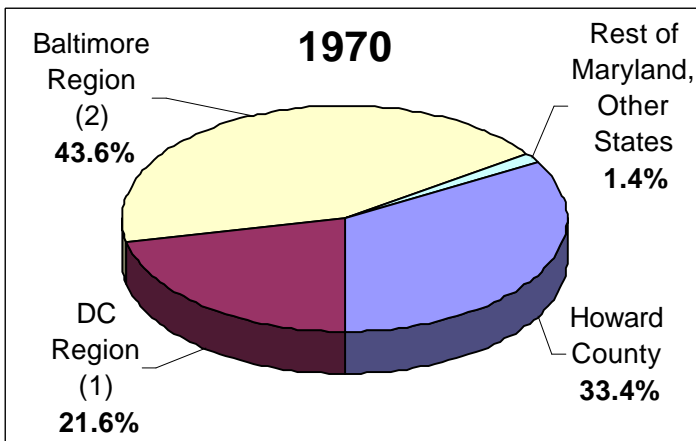
Where Howard County Residents Work 1970 to 2000



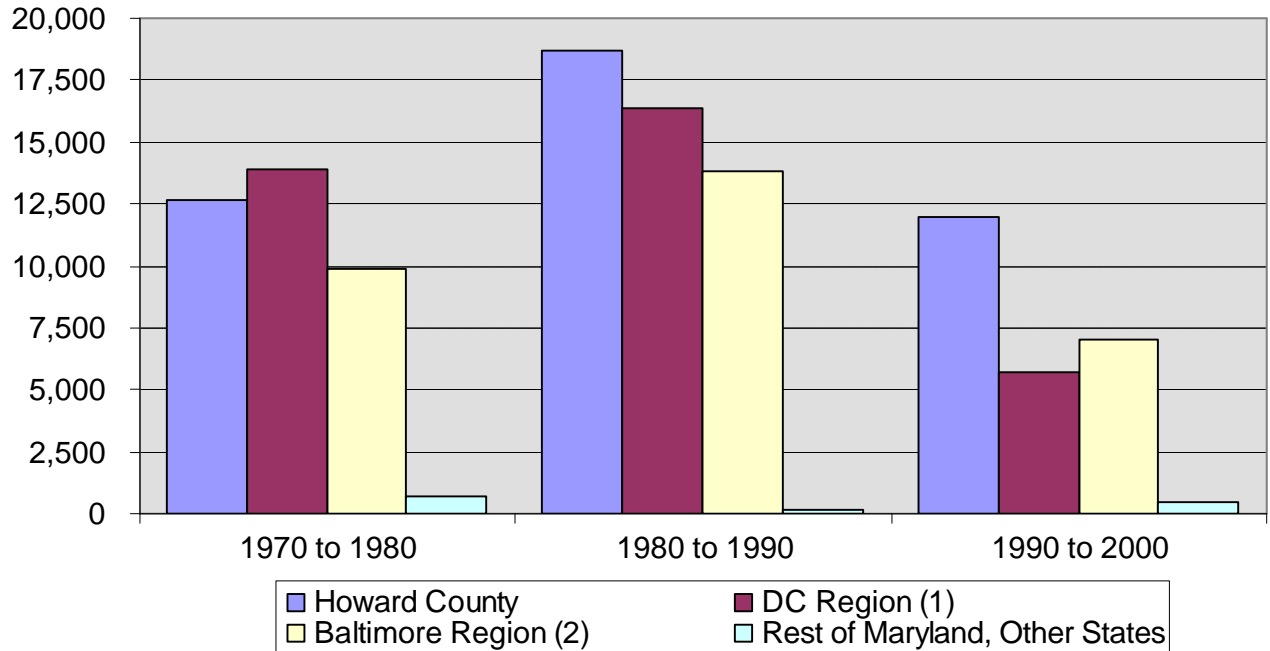
Source: US Census

(1) Includes Frederick, Montgomery, Prince Georges, DC, and Virginia.

(2) Includes Anne Arundel, Baltimore County, Baltimore City, Carroll, and Harford.



Growth of Where Howard County Residents Work 1970 to 2000

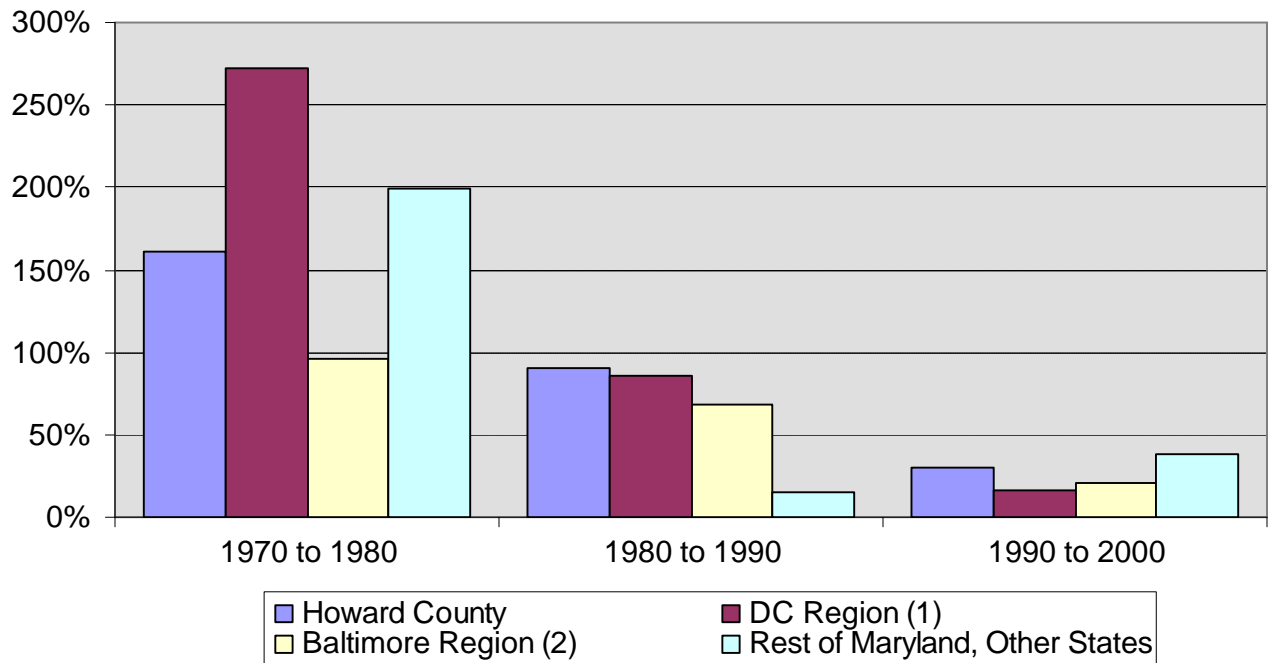


(1) Includes Frederick, Montgomery, Prince Georges, DC, and Virginia.

(2) Includes Anne Arundel, Baltimore County, Baltimore City, Carroll, and Harford.

Source: US Census

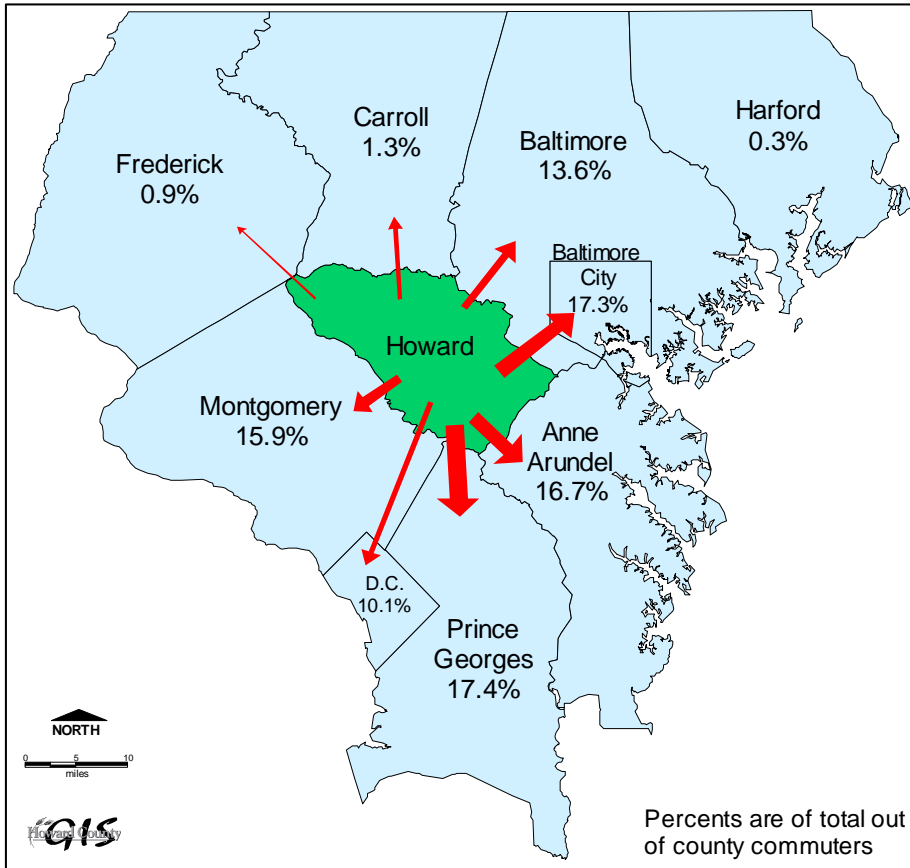
Percent Growth of Where Howard County Residents Work 1970 to 2000



(1) Includes Frederick, Montgomery, Prince Georges, DC, and Virginia.

(2) Includes Anne Arundel, Baltimore County, Baltimore City, Carroll, and Harford.

Source: US Census



Howard County

M A R Y L A N D

Commuting Patterns of Howard County Residents in 2000

Working In:	
Howard County	51,255
<u>Other Counties</u>	<u>83,737</u>
Total	134,992

<u>Commuters To:</u>	
Prince Georges	14,538
Baltimore City	14,446
Anne Arundel	13,942
Montgomery	13,282
Baltimore	11,350
District of Columbia	8,461
Virginia	4,075
Carroll	1,073
Frederick	733
Harford	264

Remainder of Counties:	1,573
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Percents are of total out of county commuters

Prepared by Howard County Department of Planning & Zoning, from U.S. Census 2000 data.

Where County Workers Live

As indicated earlier, given Howard County's central location between Baltimore and Washington, Howard residents have good career opportunities in either of these major job markets. Conversely, Howard's central location as an employment center, particularly the eastern portion of the County including Columbia and the I-95 corridor, offers ample job opportunities for residents throughout the Baltimore-Washington region.

As indicated in the 2000 Journey to Work data, there were 119,993 commuters to and within Howard County. Of these, about 42.7 percent (51,255) lived in Howard County, 41.7 percent (50,057) lived in other parts of the Baltimore region and 13.2 percent (15,868) lived in the Washington region (including Virginia). The remaining 2.3 percent (2,813) lived in other parts of Maryland or other states. Whereas there was about an even split of Howard County residents commuting out to either Baltimore or Washington, there is significantly more workers commuting into Howard County from the Baltimore region than from the Washington region.

Historically, this percentage breakdown has been remarkably consistent as far back as 1970, when there were only 18,366 workers commuting into or within Howard County, 6.5 times less than the 119,993 total in 2000. At that time, 43.0 percent were Howard County residents, 44.1 lived in other parts of the Baltimore region and 12.6 percent lived in the Washington region. This is summarized in the tables and charts below. A map for 2000 is also depicted.

**Location of Residence of Those Who Work in Howard County
1970 to 2000**

Region/Area	1970		1980		1990		2000	
Howard County	7,897	43.0%	20,594	47.0%	39,289	44.1%	51,255	42.7%
DC Region (1)	2,312	12.6%	4,545	10.4%	10,703	12.0%	15,868	13.2%
Baltimore Region (2)	8,106	44.1%	18,548	42.3%	37,263	41.9%	50,057	41.7%
Rest of Maryland, Other States	51	0.3%	115	0.3%	1,740	2.0%	2,813	2.3%
Total	18,366	100.0%	43,802	100.0%	88,995	100.0%	119,993	100.0%

(1) Includes Frederick, Montgomery, Prince Georges, DC, and Virginia

(2) Includes Anne Arundel, Baltimore County, Baltimore City, Carroll, and Harford

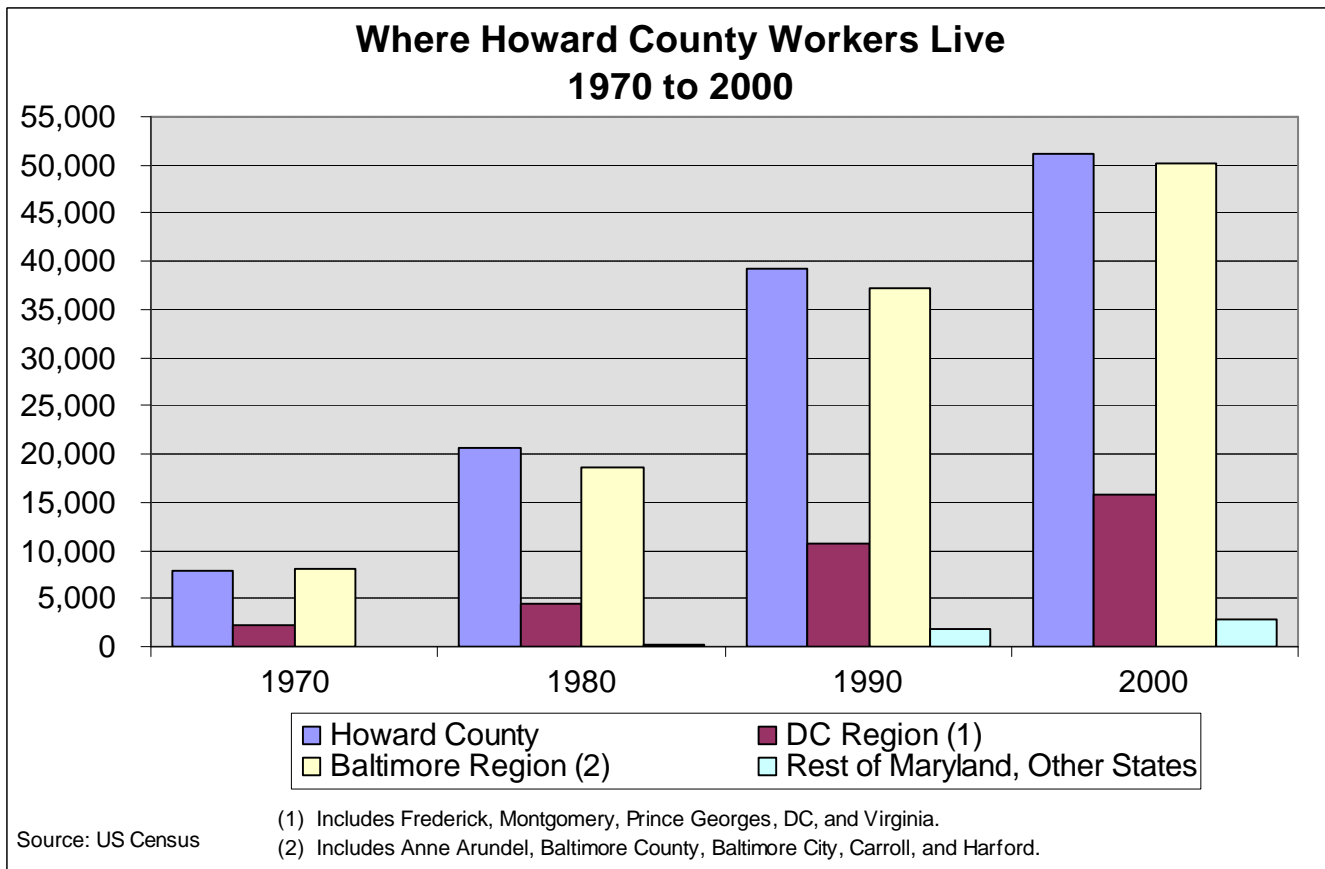
**Location of Residence of Those Who Work in Howard County - Decade Change
1970 to 2000 (total number and percent increase)**

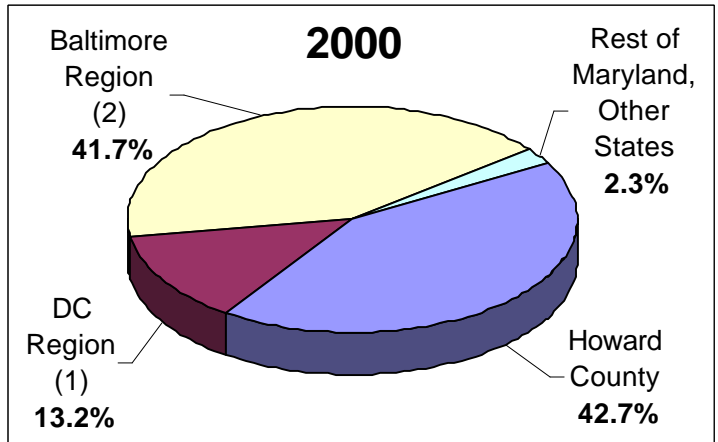
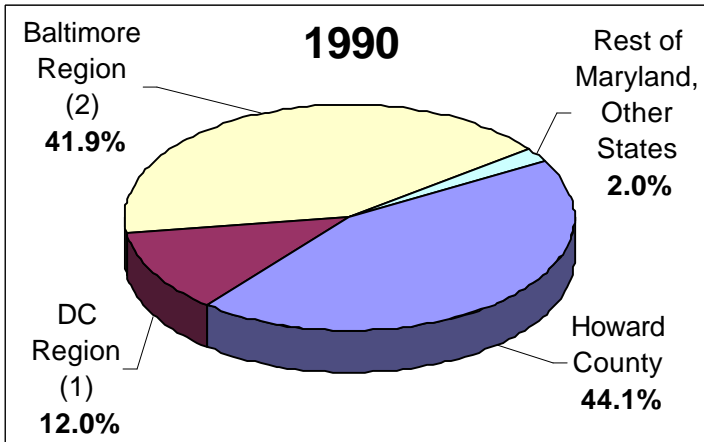
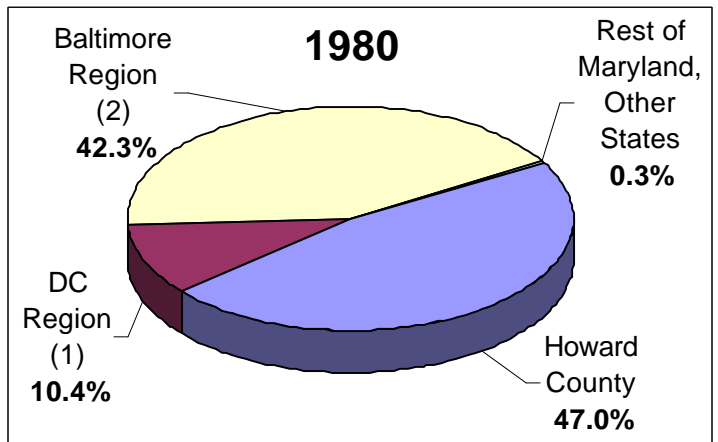
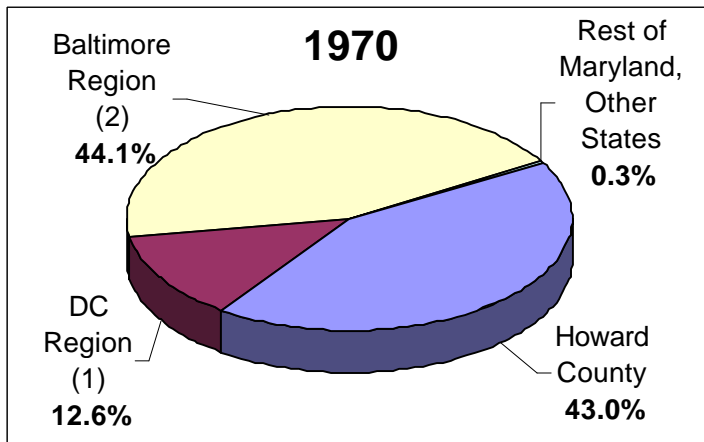
Region/Area	1970 to 1980		1980 to 1990		1990 to 2000	
Howard County	12,697	160.8%	18,695	90.8%	11,966	30.5%
DC Region (1)	2,233	96.6%	6,158	135.5%	5,165	48.3%
Baltimore Region (2)	10,442	128.8%	18,715	100.9%	12,794	34.3%
Rest of Maryland, Other States	64	125.5%	1,625	1413.0%	1,073	61.7%
Total	25,436	138.5%	45,193	103.2%	30,998	34.8%

(1) Includes Frederick, Montgomery, Prince Georges, DC, and Virginia

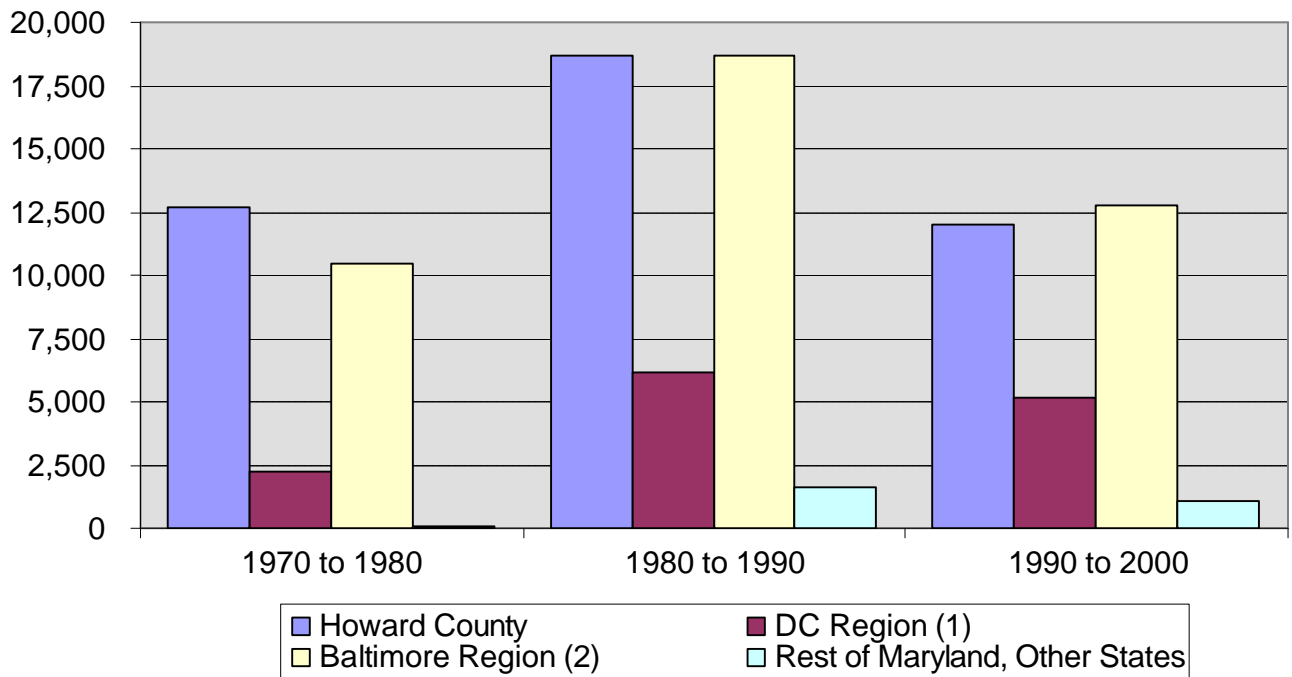
(2) Includes Anne Arundel, Baltimore County, Baltimore City, Carroll, and Harford

Source: U.S. Census





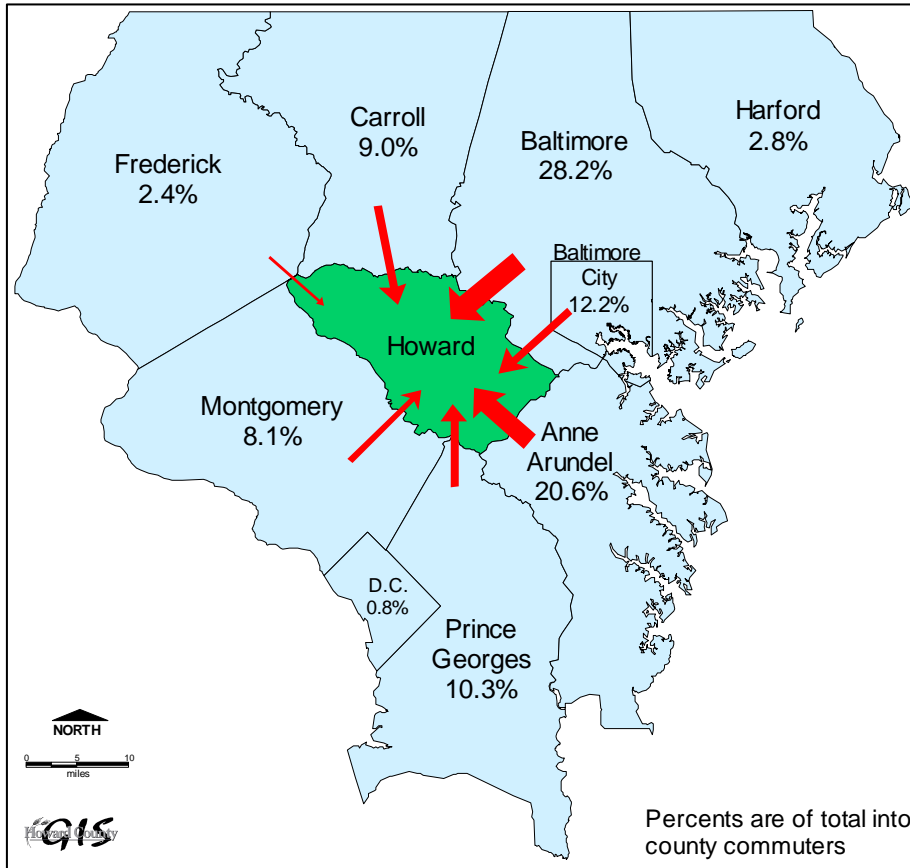
Growth of Where Howard County Workers Live 1970 to 2000



Source: US Census

(1) Includes Frederick, Montgomery, Prince Georges, DC, and Virginia.

(2) Includes Anne Arundel, Baltimore County, Baltimore City, Carroll, and Harford.



Howard County MARYLAND

Commuting Patterns of Howard County Workers in 2000

From:	
Howard County	51,255
Other Counties	68,738
Total	119,993

Commuters From:

Baltimore	19,350
Anne Arundel	14,144
Baltimore City	8,415
Prince Georges	7,071
Carroll	6,213
Montgomery	5,602
Harford	1,935
Frederick	1,646
Virginia	1,031
District of Columbia	518

Remainder of Counties:	2,813
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Prepared by Howard County Department of Planning & Zoning, from U.S. Census 2000 data.

Net Commutation

Net commuting patterns (in-commuting minus out-commuting) indicate that in 2000 there were close to 9,000 *more* workers commuting into Howard County from the Baltimore region than there were Howard County residents commuting out to the region. This positive trend was also the case in 1990, although the net numbers were only 3,225. Prior to 1990, there was a net commuter outflow to the Baltimore region.

The commuting patterns between Howard County and the Washington region, on the other hand, have historically gravitated and continue to gravitate more strongly towards the Washington region. In 2000, 25,221 more Howard County residents commuted to the Washington region than Washington region residents commuted to Howard County. In 1990, the net number was 24,672. This same pattern has persisted since 1970 although to a lesser extent.

These patterns clearly indicate the ample job opportunities in the Washington region attracting Howard residents, and that Howard County jobs are more of a pull for Baltimore rather than Washington area residents.

Combining *total* commutes for the Baltimore *and* Washington (and other) areas, there has been a net out commute pattern for Howard County over the last four decades. In 1970, a net of 5,282 workers commuted out of Howard County. By 1980, the number grew to 17,083 net out-

commuters. By 1990, the number increased once again to 20,848 net out commuters. By 2000, however, the net out commuters shrunk to 14,999, below the 1980 level, despite the growing numbers of commuters in both directions. This reflects the larger number of workers commuting into Howard County beginning during the 1990's, particularly residents from the Baltimore region. As indicated earlier, this can be attributed to the relatively strong job growth in the County over the last decade.

The following table and charts depict these patterns in greater detail. The map on Page 11 shows the *net* commuting patterns at the jurisdictional level.

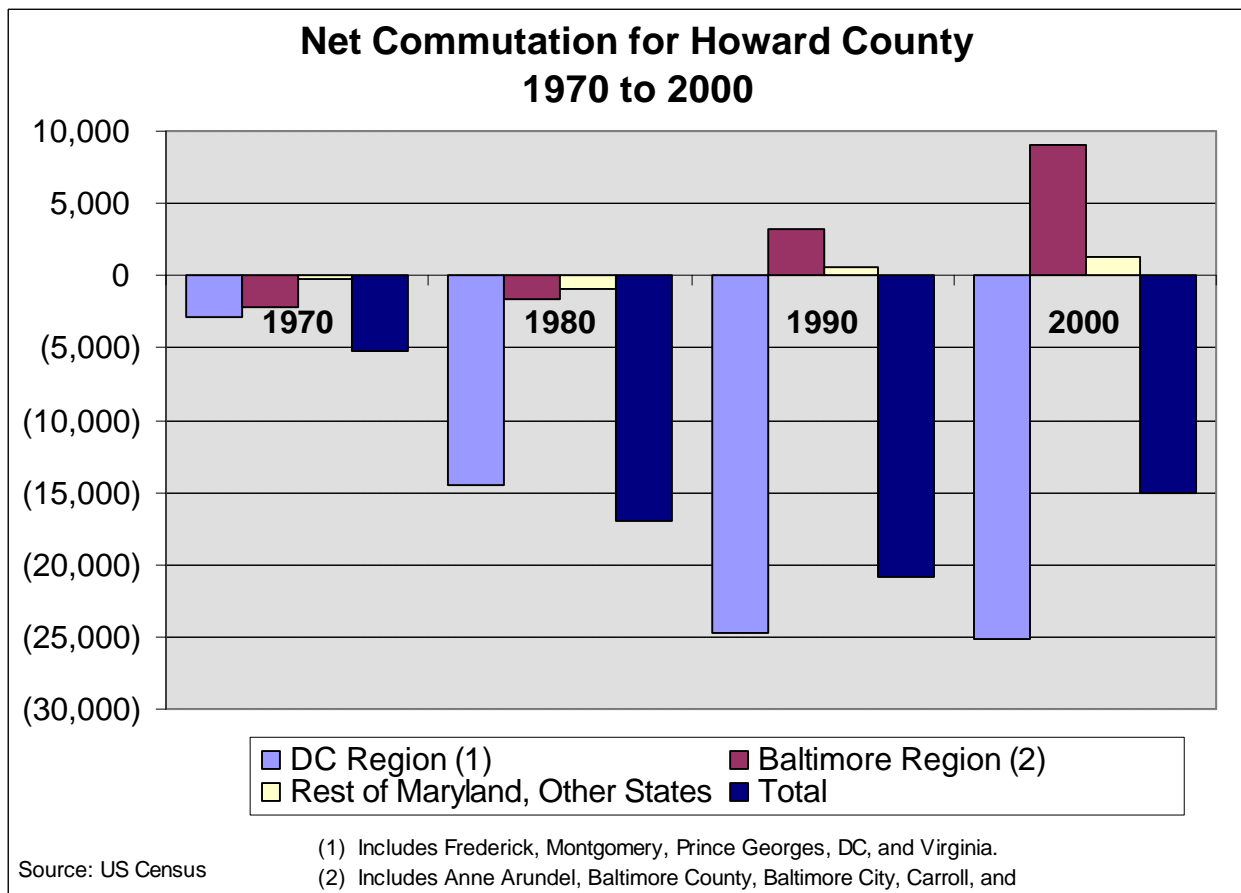
**Net Commutation for Howard County (In - Out)
1970 to 2000**

Region/Area	1970	1980	1990	2000
DC Region (1)	(2,804)	(14,486)	(24,672)	(25,221)
Baltimore Region (2)	(2,197)	(1,674)	3,225	8,982
Rest of Maryland, Other States	(281)	(877)	599	1,240
Total	(5,282)	(17,037)	(20,848)	(14,999)

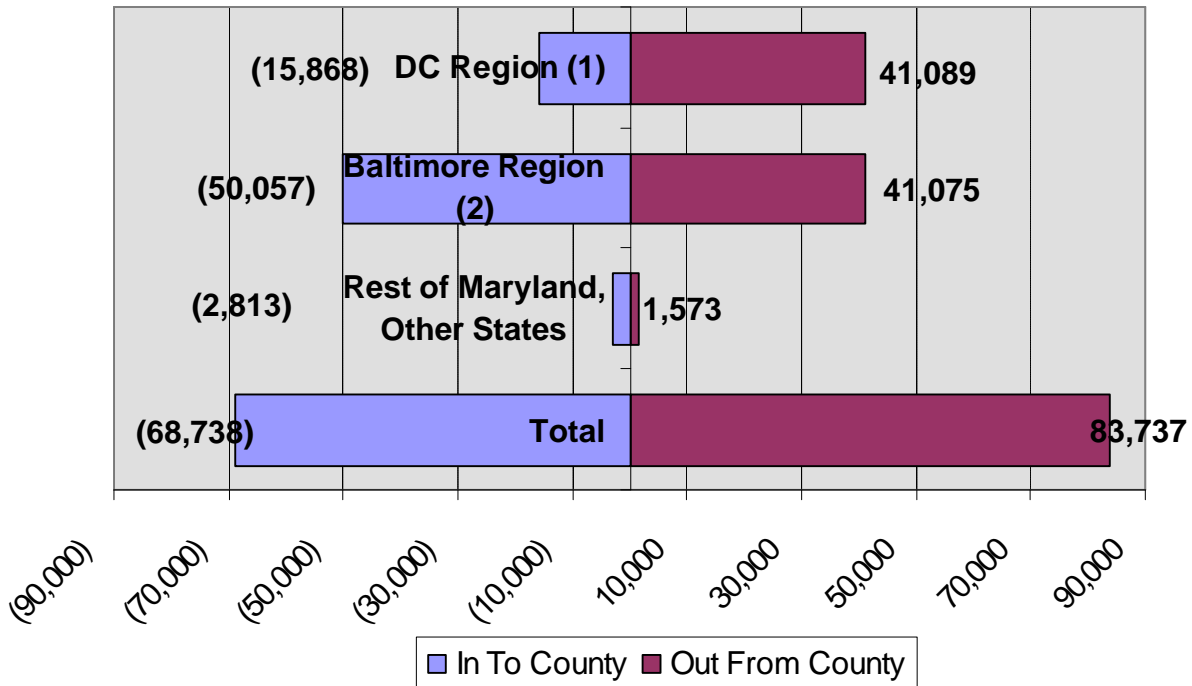
(1) Includes Frederick, Montgomery, Prince Georges, DC, and Virginia

(2) Includes Anne Arundel, Baltimore County, Baltimore City, Carroll, and Harford

Source: US Census



In Versus Out Commutation in Howard County Year 2000

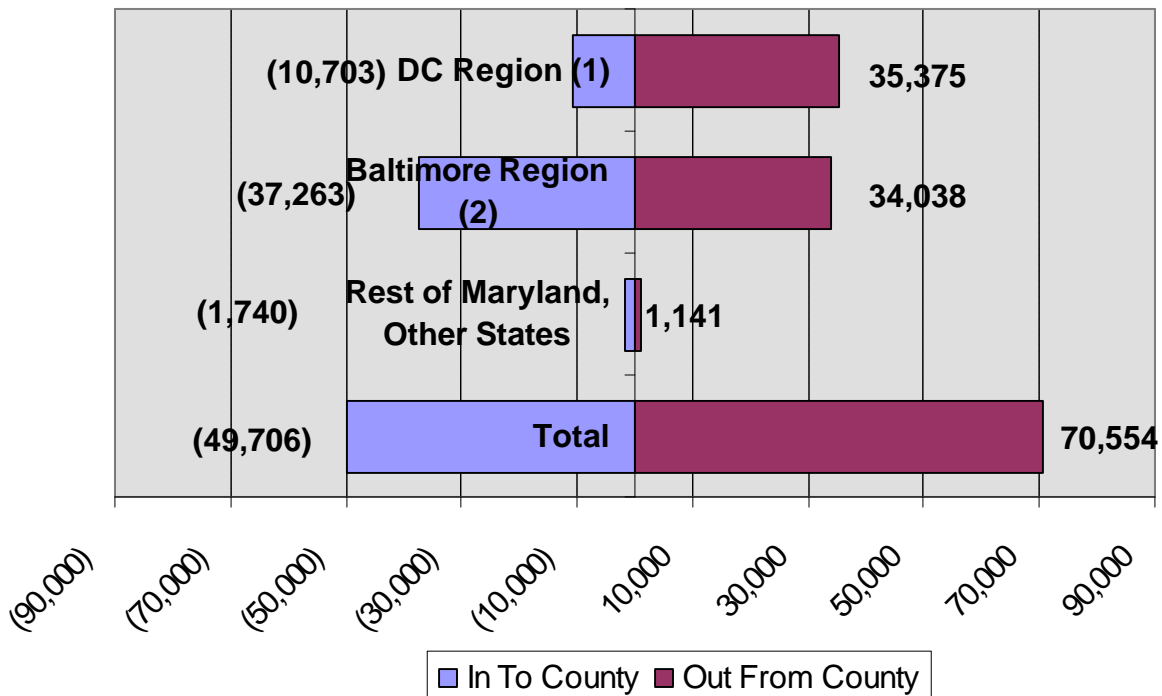


Source: US Census

(1) Includes Frederick, Montgomery, Prince Georges, DC, and Virginia.

(2) Includes Anne Arundel, Baltimore County, Baltimore City, Carroll, and Harford.

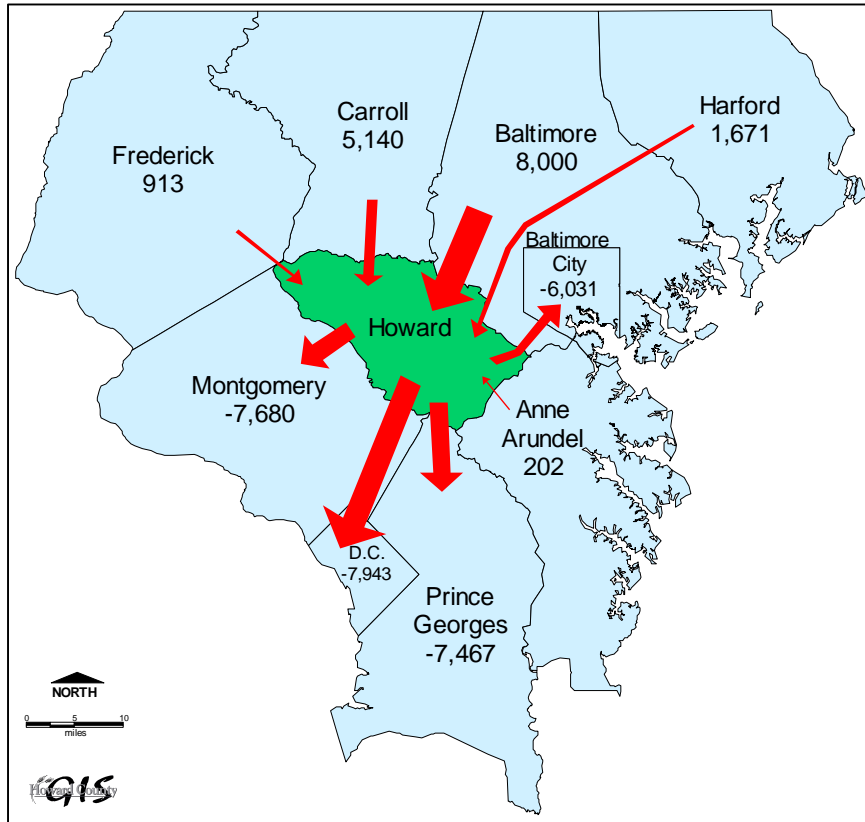
In Versus Out Commutation in Howard County Year 1990



Source: US Census

(1) Includes Frederick, Montgomery, Prince Georges, DC, and Virginia.

(2) Includes Anne Arundel, Baltimore County, Baltimore City, Carroll, and Harford.



Howard County MARYLAND

Net Howard County Commuting Patterns in 2000

NET (In - Out) -14,999

Net Commuters:

Baltimore	8,000
Carroll	5,140
Harford	1,671
Frederick	913
Anne Arundel	202
Virginia	-3,044
Baltimore City	-6,031
Prince Georges	-7,467
Montgomery	-7,680
District of Columbia	-7,943

Remainder of
Counties: 1,240

Prepared by Howard County Department of Planning & Zoning, from U.S. Census 2000 data.

Detailed Commuting Patterns

The following charts beginning on Page 13 summarize the 1990 and 2000 commuting patterns for Howard County by neighboring jurisdiction and larger geographical areas. (Note that in the Appendix of this report there are detailed tables showing commuting numbers and percentages for every county in Maryland and bordering counties in Virginia, Pennsylvania and Delaware.) The maps above also depict some of the jurisdictional details. Major highlights of the data are summarized below.

Where Howard County Residents Work

- Prince George's County received the most commuters from Howard County in both 1990 (18.7%) and 2000 (17.4%). Baltimore City and Anne Arundel County received the next greatest amount in 2000 at 17.3% and 16.6% of total out-commuters, respectively. These two jurisdictions also had the next greatest in 1990, although at that time Anne Arundel County (17.4%) received more than Baltimore City (16.3%).
- Montgomery and Baltimore County's received the 4th and 5th most commuters from Howard County for both 1990 and 2000.
- Combined, these five adjacent jurisdictions accounted for 4 out of every 5 out of County commuters in 1990 and 2000 (at 80.7 percent for both years). One of every 2 working

Howard County residents commute to these five jurisdictions (including those who live and work in the County) – 51.9% in 1990 and 50.0% in 2000

- Washington D.C. receives the next greatest number of commuters, followed by Virginia.
- This is followed by Carroll County and the remaining areas, which account for around 1 percent or less each of all out of County commuters. Combined, these 11 remaining areas account for only about 4 percent of all commuters combined.

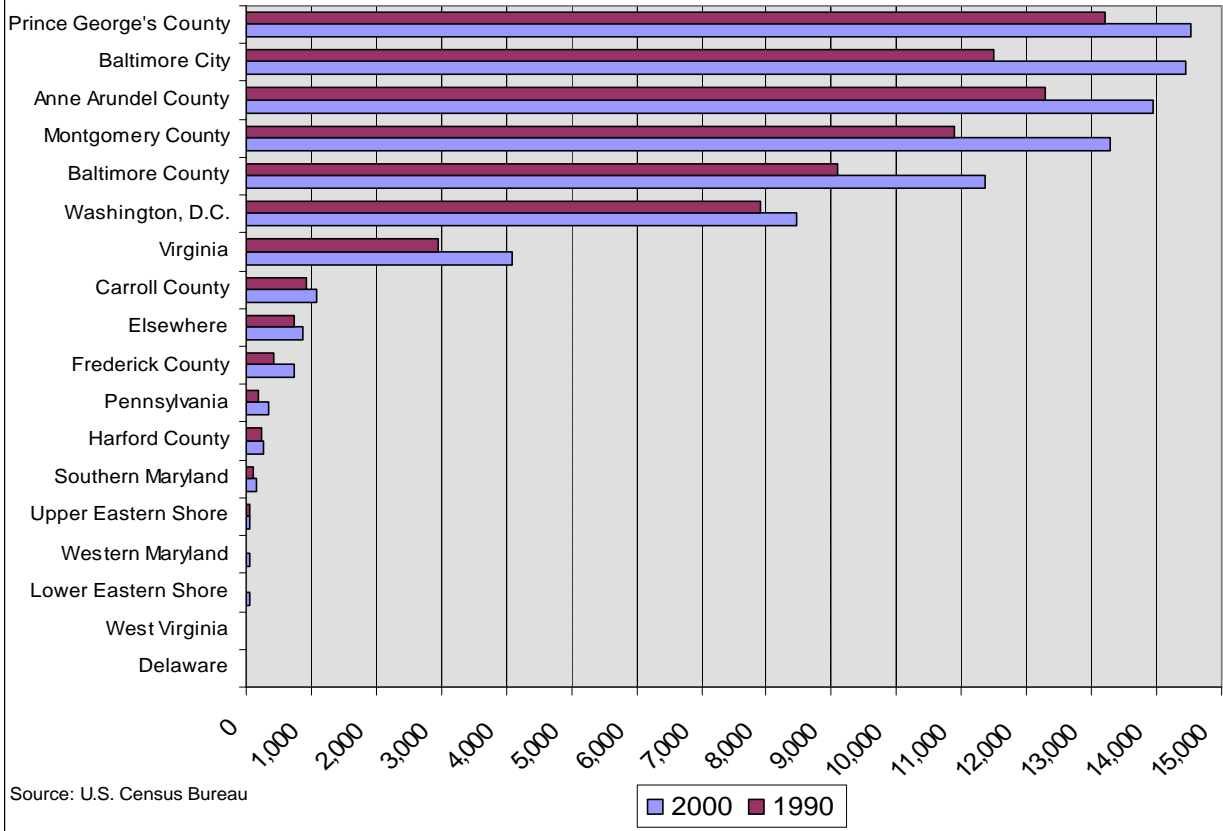
Where Howard County Workers Live

- Baltimore County had the greatest number of residents commuting to Howard for work in both 1990 (30.1%) and 2000 (28.2%), close to 1 out of every 3 in-commuters.
- This is followed by Anne Arundel County, Baltimore City and then Prince George's County for both years. Combined with those from Baltimore County, these four jurisdictions accounted for close to 3 of every 4 in-commuters (73.6% in 1990 and 71.3% in 2000).
- About 9 percent of total in-commuters came from Carroll County in both 1990 and 2000, followed by about 8 percent from Montgomery County.
- The remaining 12 areas account for the remaining 10 percent or so of in-commuters.

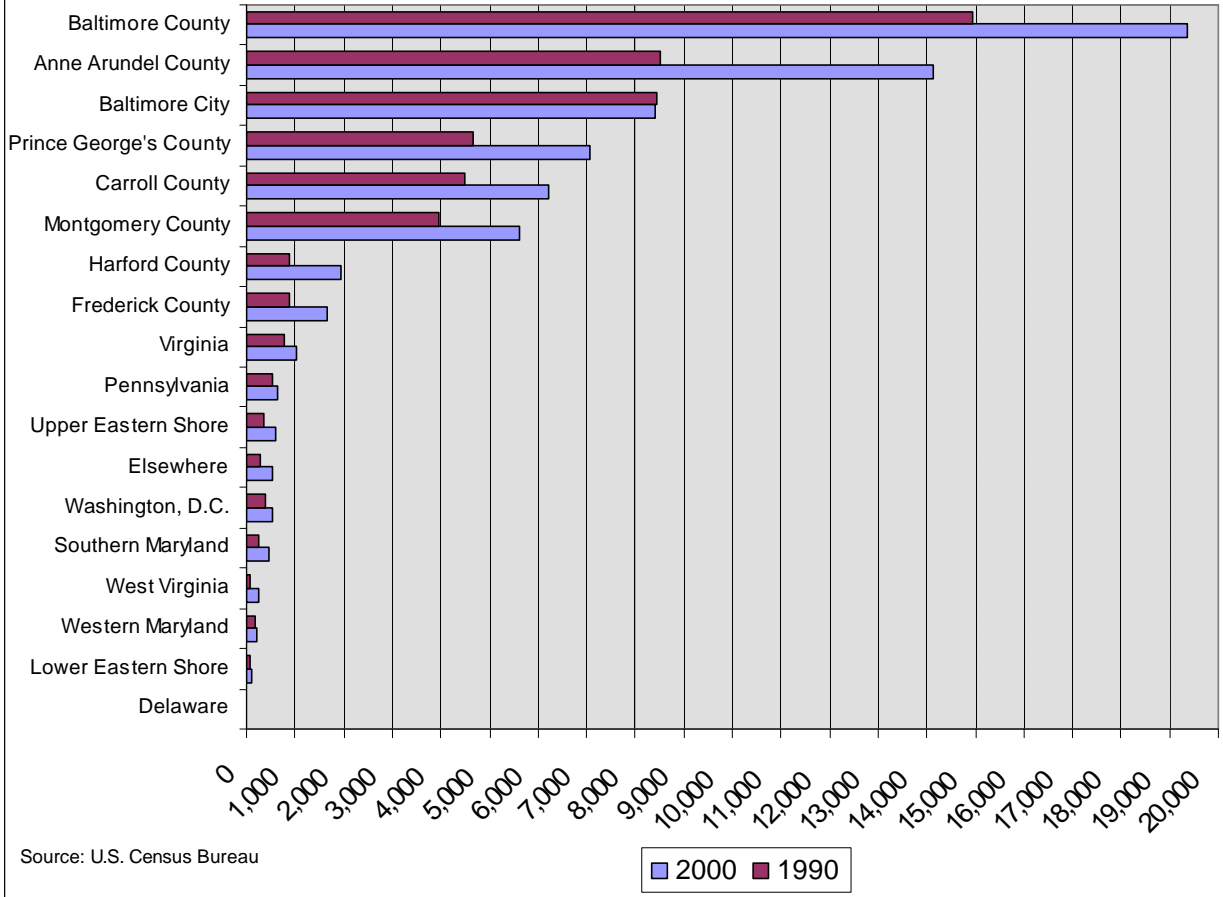
Net Commutation

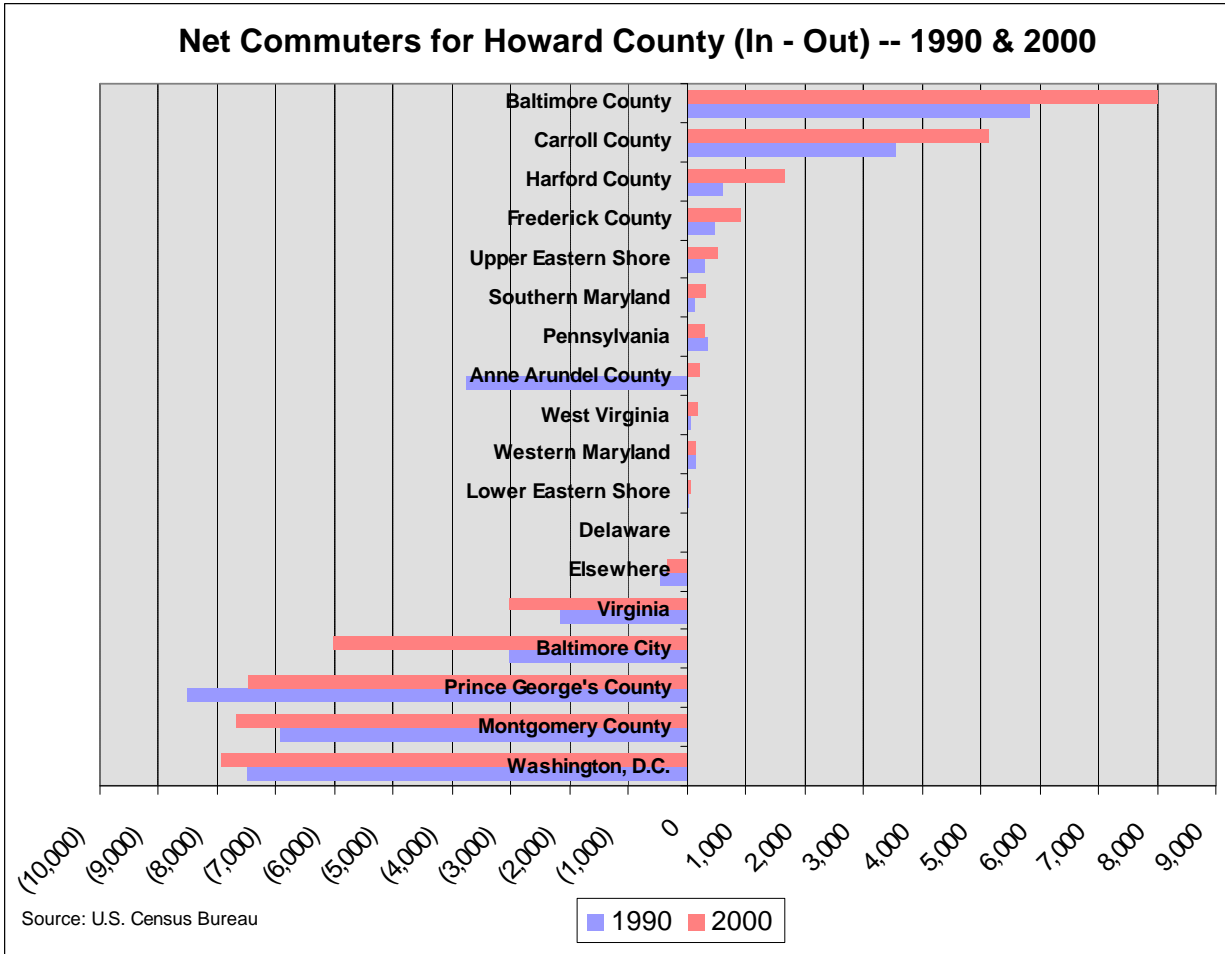
- As indicated early, when observing net commutation patterns (in-commuting minus out-commuting), particularly since 1990, there has been somewhat of a southwestward pattern or *weighting* of commuting movement. That is, there is a net commuter flow from the Baltimore region to Howard County and from Howard County to the Washington D.C. area. Looking at the details by jurisdiction, this is apparent, with the one exception of Baltimore City, where there is a net commuting pattern north from Howard County.
- Baltimore, Carroll and Harford Counties have the greatest number of net commuters *to* Howard, respectively. This is followed by Frederick County and the upper eastern shore counties.
- For 2000, Washington D.C., Montgomery and Prince George's Counties had the greatest number of net commuters *from* Howard, respectively. In 1990, Prince George's County actually topped the list. Baltimore City and Virginia were the next greatest recipients of net commuters from Howard in both 1990 and 2000.
- The one unique case is Anne Arundel County where a massive shift occurred. In 1990, there was a net out commute from Howard to Anne Arundel of close to 3,761 workers. That is, 3,761 more workers commuted from Howard to Anne Arundel than commuted from Anne Arundel to Howard. In 2000, however, 202 more workers commuted into Howard from Anne Arundel than the other way around. This is most probably due to the large amount of job growth in eastern Howard County during the late 1990's, particularly in the Gateway Business Park and along the Route 1 Corridor, which offered close job proximity for many Anne Arundel County residents.

Out Commuters from Howard County -- 1990 & 2000



In Commuters to Howard County -- 1990 & 2000





Comparisons to Other Maryland Jurisdictions

Residents Working in Own Jurisdiction

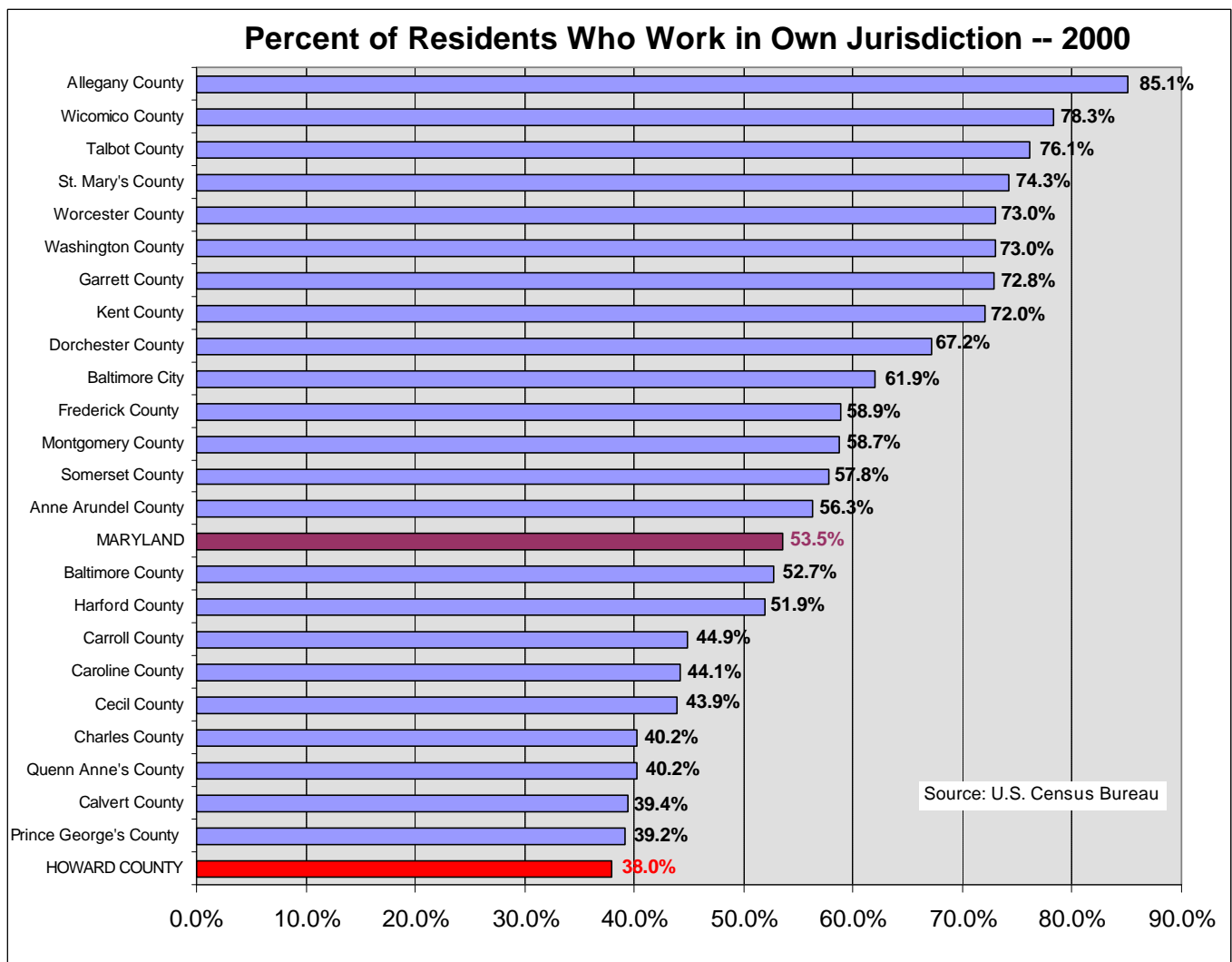
As indicated earlier, 38 percent of all Howard County commuters work in Howard County. This is an increase from ten years earlier, but is still the lowest in the State. On average, for the entire State in 2000, 53.5 percent of residents work in their own jurisdiction. This percentage ranges from a high of 85.1 percent for Allegany County to a low of 38 percent for Howard.

Many of the more rural counties have larger percentages of residents working in their own jurisdiction. This includes Allegany (85.1%), Wicomico (78.3%), Talbot (76.1%), St. Mary's (74.3%), Worcester (73.0%), Washington (73.0%), Garrett (72.8%), Kent (72%) and Dorchester (67.2%) counties. Many of the centrally located counties have smaller percentages working in their own jurisdictions including Montgomery (58.7%), Anne Arundel (56.3%), Baltimore (52.7%), Harford (51.9%), Carroll (44.9%), Prince George's (39.2%) and Howard (38.0%) counties. In general, the more central location offers more opportunity to travel to other jobs within the relatively job rich core.

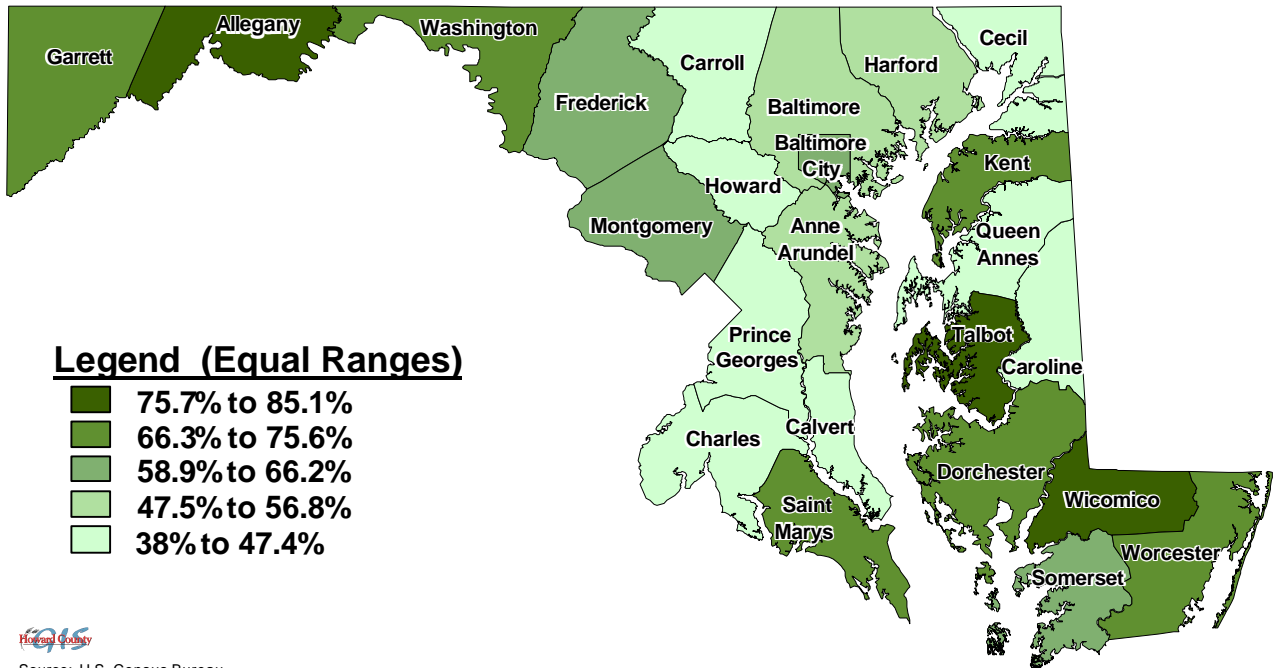
Although such general trends are apparent there are exceptions and each county has a unique situation. For example, Prince George’s County has a low percentage because many residents commute to Washington D.C., given its close proximity to the nation’s capitol. Howard County has a low percentage primarily due to its central location between Washington and Baltimore and due to the fact that it is somewhat of a “bedroom” community, although as indicated earlier, this is changing somewhat as significant numbers of jobs are being added to the eastern part of the County. Caroline County, despite being located on the Eastern Shore and being more rural has a relatively low percentage of commuters working inside the County (44.1%) compared to the 76.1% for Talbot County, just next door. In fact, a significant percentage of Caroline County commuters work in Talbot County.

For details on commuting patterns for all of Maryland’s counties and further explanation, please refer to information provided by the Maryland State Data Center at www.mdp.state.md.us/MSDC. In addition, more data for each jurisdiction are included in the Appendix of this report for both 1990 and 2000.

The chart and map below summarizes the percentages for each jurisdiction.



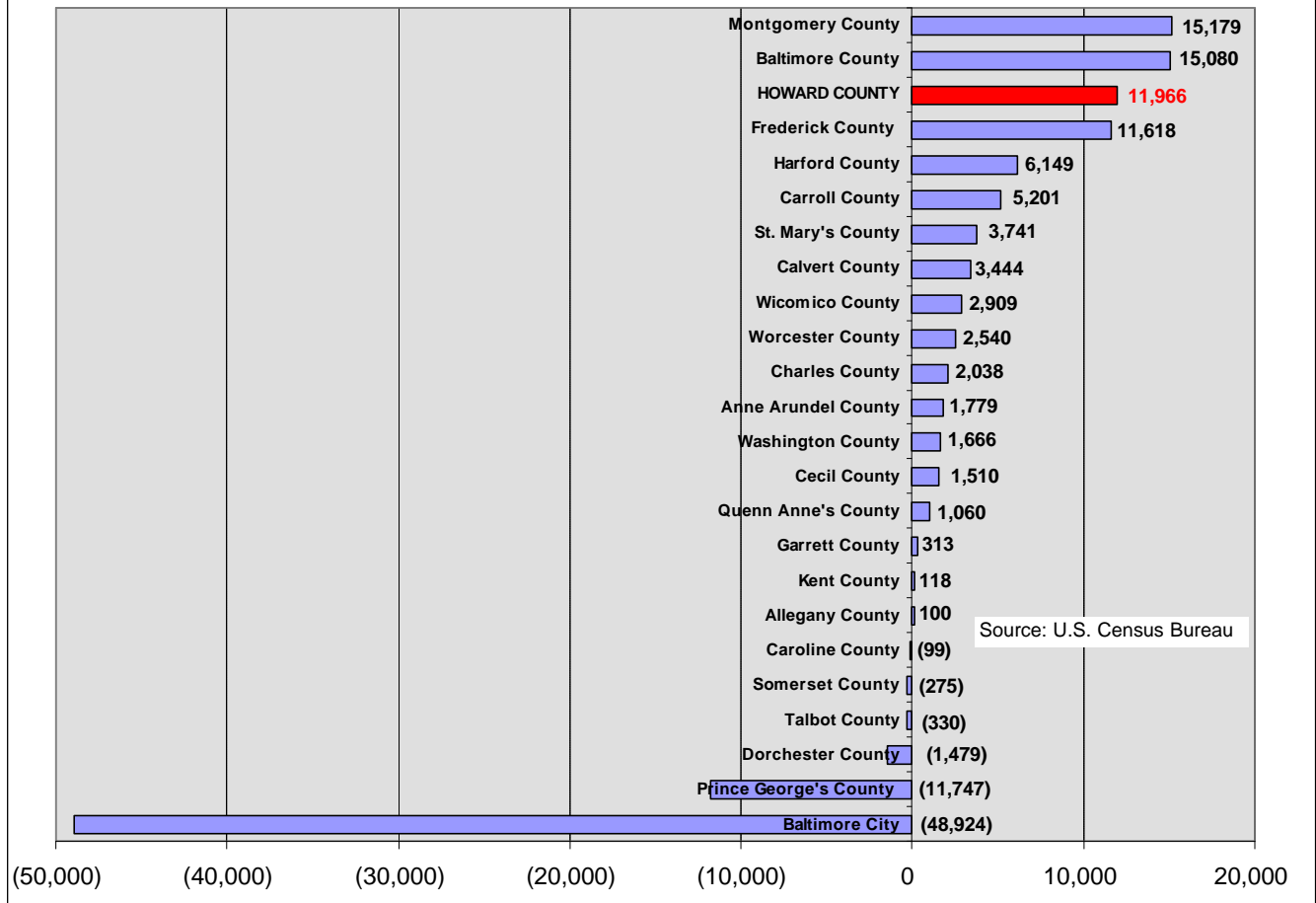
Percent of Residents Who Work in Own Jurisdiction -- 2000



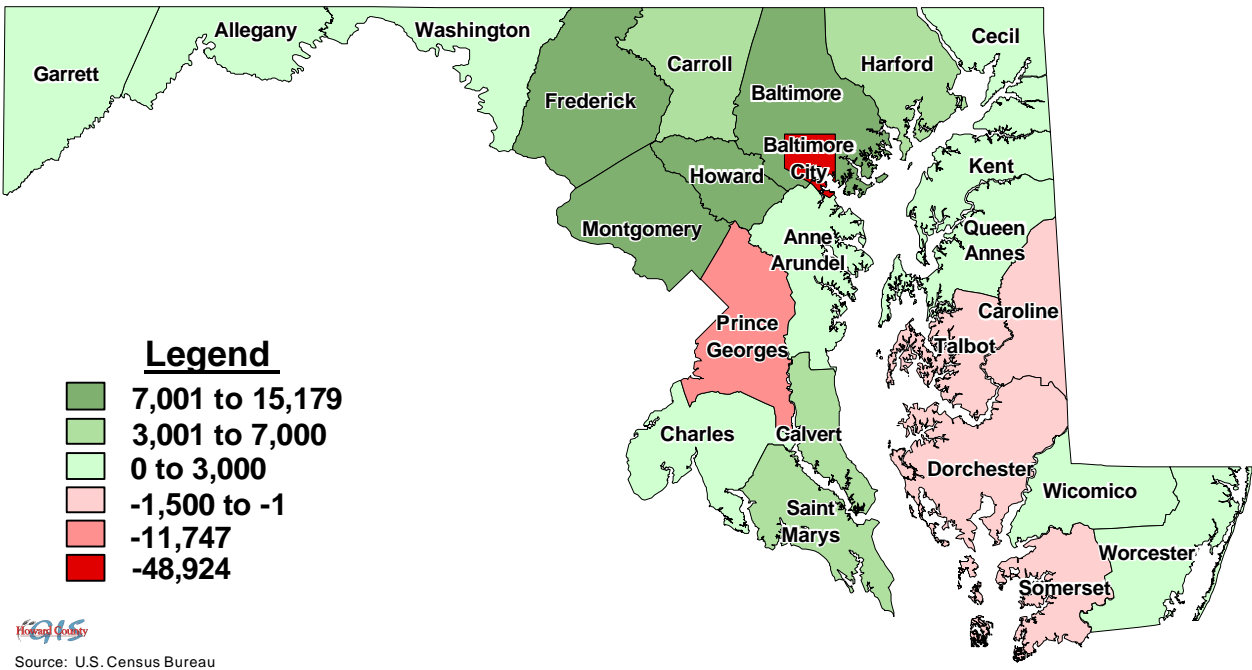
The chart and map below depict the change in the number of residents who worked in their own jurisdiction from 1990 to 2000. Howard County had the third greatest increase with 11,966 additional residents working in the County, behind Montgomery’s 15,179 additional residents and Baltimore County’s 15,080 additional residents. This is a significant increase for Howard County given it has less than a third of the population of both Baltimore and Montgomery and reflects the strong job growth in the County over the last decade.

Frederick County also had a large increase with 11,618 additional residents working there. The next largest increase was Harford County with 6,149 additional residents and Carroll County with 5,201 residents added. At the opposite end of the spectrum, there was a net decline of 48,924 Baltimore City residents working in the City, the largest decrease by far of all Maryland jurisdictions. This is reflective of the increase in “reverse commuting,” a pattern characterized by central city residents driving to the surrounding counties for work given the increasing job opportunities provided. Prince George’s County also had a relatively large decrease of 11,747 County residents working there.

Change of Residents Who Work in Own Jurisdiction -- 1990 to 2000

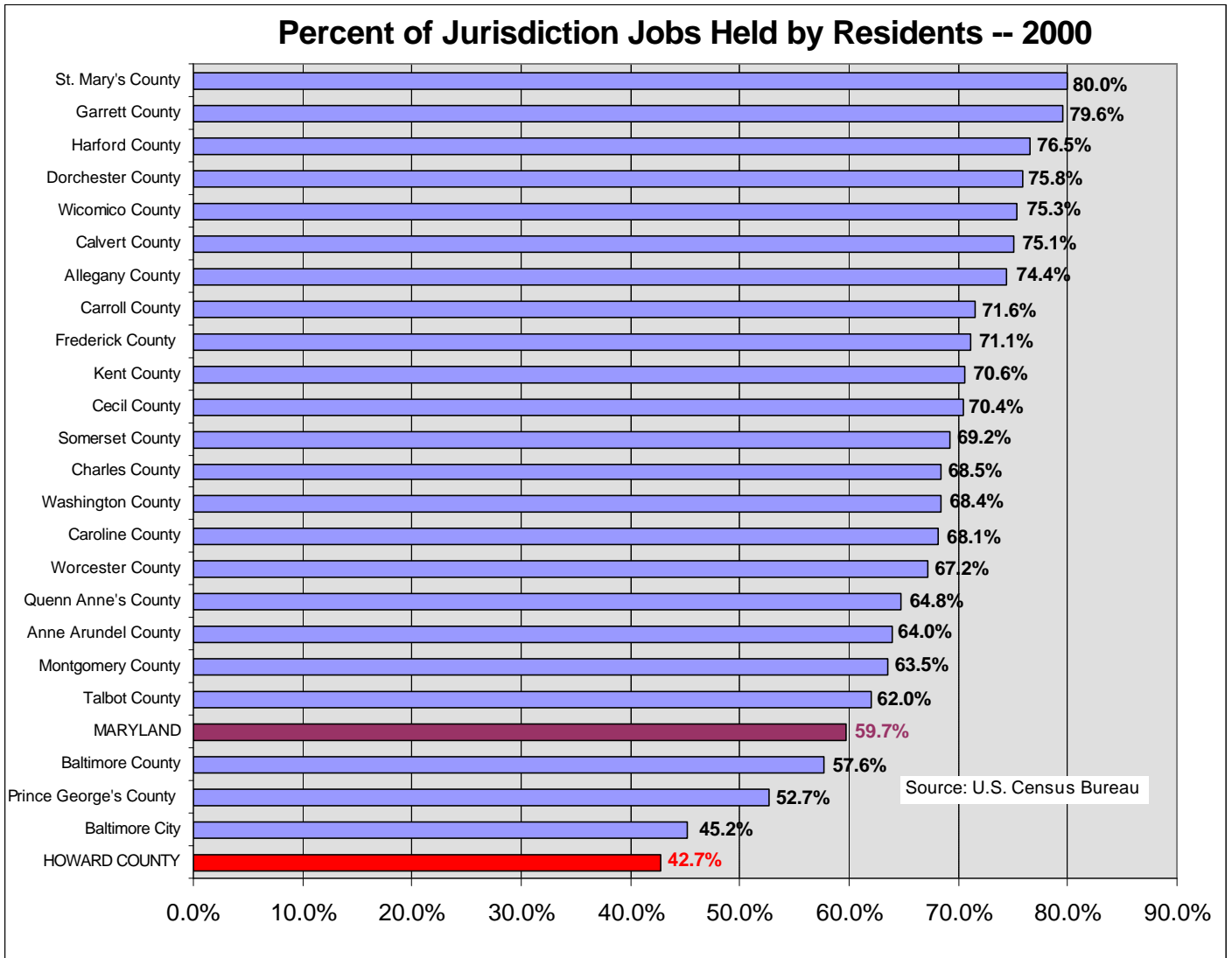


Change of Residents Who Work in Own Jurisdiction -- 1990 to 2000

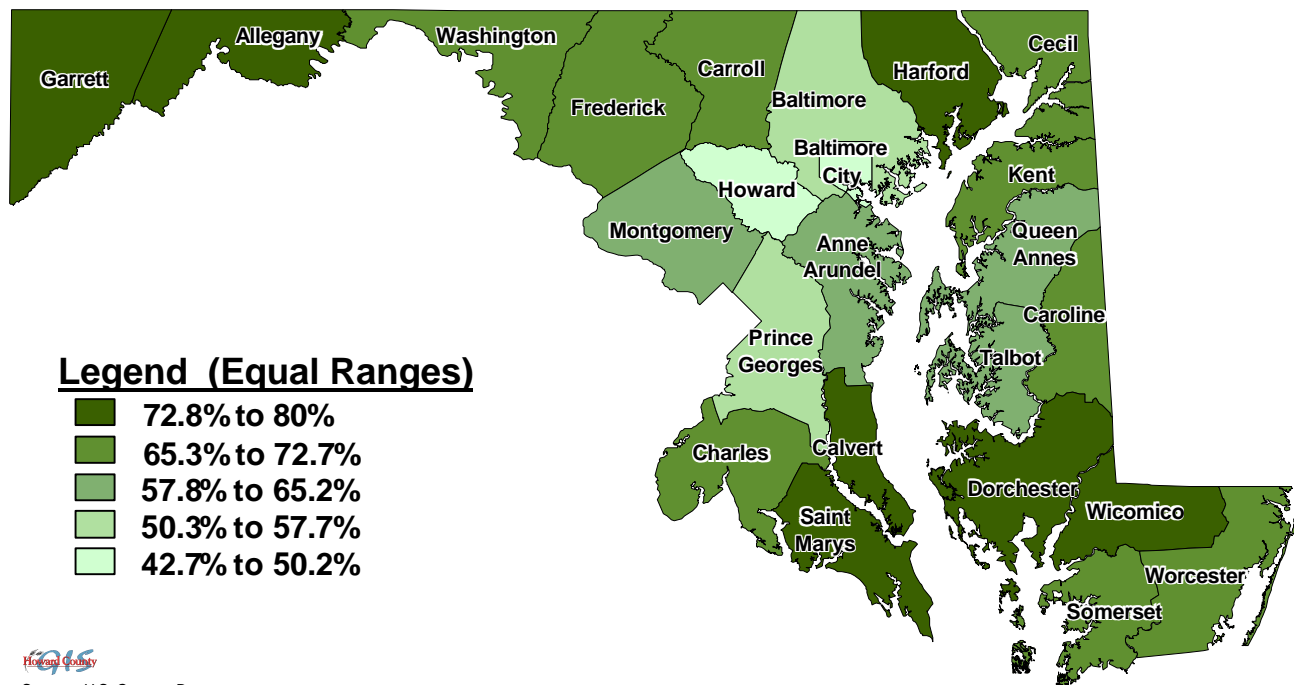


Jurisdiction Jobs Held by Residents

Of all jurisdictions in the State, Howard County also has the least number of jobs held by County residents, 42.7 percent in 2000. This compares to 59.7 percent for the statewide average. Baltimore City (45.2%), Prince George’s County (52.7%) and Baltimore County (57.6%) are the other three jurisdictions that have less than the statewide average. This measure is the inverse of the one discussed above and generally reflects both the job opportunities in the jurisdiction and the job opportunities in nearby jurisdictions. Given Howard’s central location there are plenty of job opportunities in all directions within reasonable commute times. As a result, the percentage of Howard County residents holding jobs within the County is low. As discussed in the section above patterns for the other counties are uniquely established based on their geography, local and nearby job opportunities. The chart and map below summarize these data.



Percent of Jurisdiction Jobs Held by Residents -- 2000



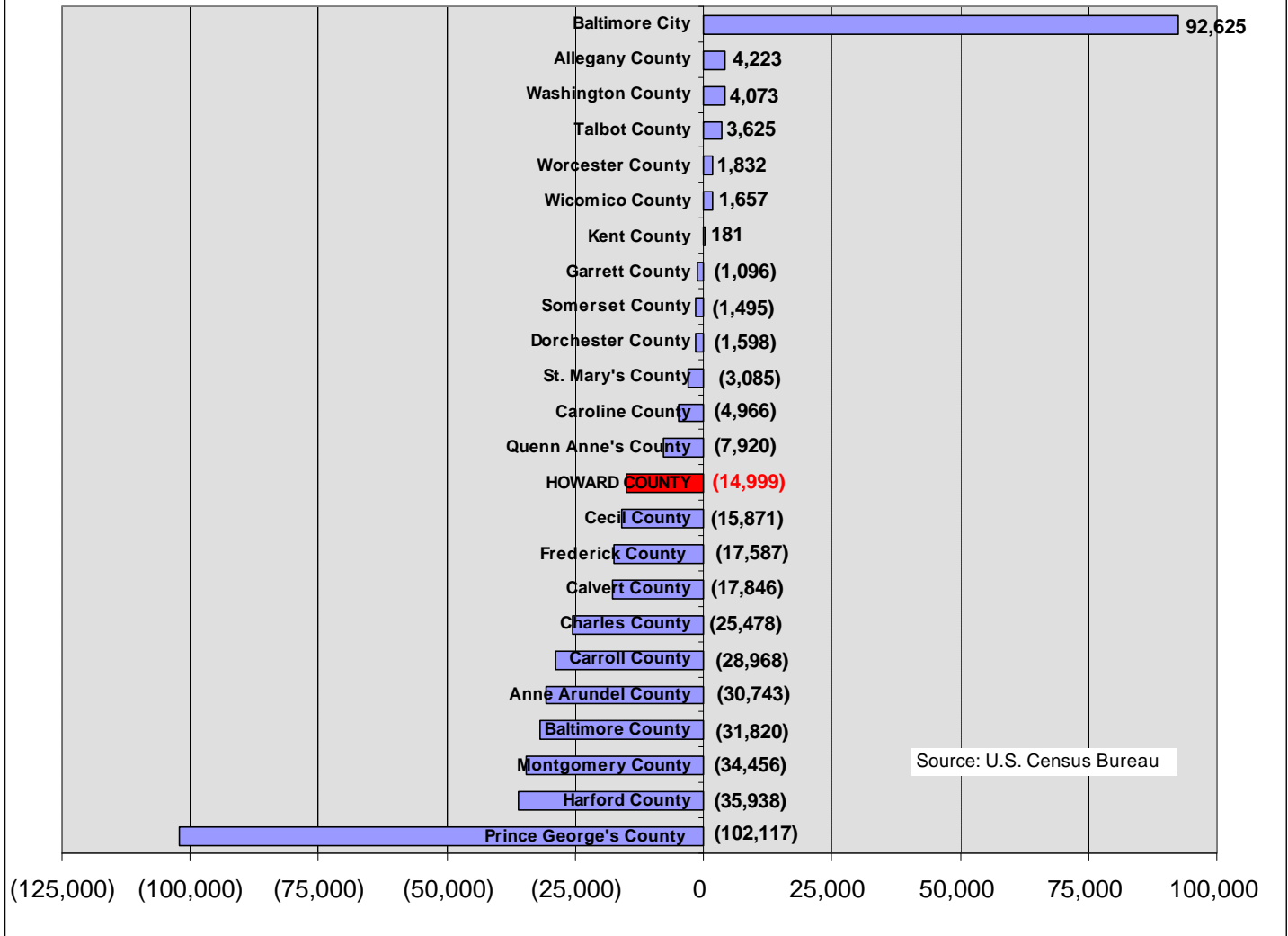
Net Commutation

Net commutation statistics (in-commutes minus out-commutes) reveal some interesting patterns at the statewide level. Only 7 of the 24 jurisdictions had net in-commutes in 2000. Baltimore City has by far the greatest with a net in-commute of 92,625. This is followed by Allegany and Washington Counties in the western part of the State with 4,223 and 4,073 net in-commuters in 2000. This results from a large number of net in-commuters from the surrounding states of Pennsylvania and West Virginia.

Talbot (3,625), Worcester (1,832), Wicomico (1,657) and Kent (181) counties also have net in-commutes. This primarily results from net in-commuting patterns from Delaware, Virginia and Somerset County for Worcester and Wicomico, and net in-commutes from Caroline and Dorchester counties (and to a lesser extent Delaware) for Talbot County. The minor net in-commute from Kent is largely attributable to in-commuters from Queen Anne's County just to the south.

The chart below summarizes these results. Refer to the Appendix for more detailed commutation statistics for each Maryland jurisdiction for both 1990 and 2000.

Net Commutation by Maryland Jurisdiction (In - Out) -- 2000



Interstate Commutation Patterns for Maryland

Taking Maryland as a whole, about 450,000 residents commute to places out of State each day, 18.1 percent of all working residents. About 62 percent of these 450,000 residents commute to Washington D.C. (243,029) and another 26 percent commute to Virginia (55,266), totaling about 88 percent combined. Delaware, Pennsylvania and West Virginia receive the next greatest number of commuters from Maryland with 23,428, 12,838, and 4,815 residents, respectively, according to the 2000 Census.

The number of out-commuters is almost 2.5 times greater than the number of in-commuters, which totals close to 183,000. This number, although much smaller than the number of in-commuters, is still significant. About 1/3 of this total commute in from Virginia (61,101) and about another 20 percent each commute in from Pennsylvania (41,056) and Washington D.C. (36,450). The table below summarizes these statistics.

Inter-State Journey-to-Work Commutation for Maryland - 2000

State/Area	Out-of-State Residents Commuting Into Maryland	Maryland Residents Commuting Out To:	Net Commuters (IN - OUT)
Washington, D.C.	36,450	279,479	-243,029
Virginia	61,101	116,367	-55,266
Delaware	13,639	23,428	-9,789
Pennsylvania	41,056	12,838	28,218
West Virginia	19,070	4,815	14,255
New Jersey	1,466	1,991	-525
New York	1,096	1,954	-858
Elsewhere	8,909	9,682	-773
TOTAL	182,787	450,554	-267,767

Prepared by the Maryland Department of Planning, Planning Data Services, from the 2000 Census Journey-to-Work data, March 2003.

The same general pattern occurred in 1990 when there were 432,009 Marylanders commuting out of State and 151,323 out of State residents commuting into Maryland. Although both numbers increased from 1990 to 2000, the ratio of out-commuters to in-commuters decreased from 2.85 in 1990 to 2.5 in 2000 as indicated earlier. This results from the fact that the number of in-commuters increased more than the number of out-commuters over the 10 year period – 31,464 additional in-commuters versus only 18,545 additional out-commuters. This is largely due to a *decrease* in the number of Maryland residents commuting to Washington D.C., 11,216 less in 2000 compared to 1990, the only decrease of all in and out commuters from all jurisdictions. This is consistent with the fact that the number of jobs in Washington D.C. decreased from 685,600 in 1990 to 647,000 jobs in 2000, a 5.6 percent decline, according to the Current Employment Survey from the U.S. Bureau of Labor Statistics.

The tables below summarize the 1990 data as well as the net change from 1990 to 2000. For details on commuting patterns for all of Maryland’s counties and further explanation, please refer to information provided by the Maryland State Data Center at www.mdp.state.md.us/MSDC. In addition, more data for each jurisdiction are included in the Appendix of this report for both 1990 and 2000.

Inter-State Journey-to-Work Commutation for Maryland - 1990

State/Area	Out-of-State Residents Commuting Into Maryland	Maryland Residents Commuting Out To:	Net Commuters (IN - OUT)
Washington, D.C.	35,715	290,695	-254,980
Virginia	49,136	97,545	-48,409
Delaware	9,673	17,890	-8,217
Pennsylvania	32,354	9,708	22,646
West Virginia	14,064	3,776	10,288
New Jersey	1,321	1,693	-372
New York	982	1,644	-662
Elsewhere	8,078	9,058	-980
TOTAL	151,323	432,009	-280,686

Prepared by the Maryland Department of Planning, Planning Data Services, from the 1990 Census Journey-to-Work data, April 1993.

Change in Inter-State Journey-to-Work Commutation for Maryland 1990 to 2000

State/Area	Out-of-State Residents Commuting Into Maryland	Maryland Residents Commuting Out To:	Net Commuters (IN - OUT)
Washington, D.C.	735	-11,216	11,951
Virginia	11,965	18,822	-6,857
Delaware	3,966	5,538	-1,572
Pennsylvania	8,702	3,130	5,572
West Virginia	5,006	1,039	3,967
New Jersey	145	298	-153
New York	114	310	-196
Elsewhere	831	624	207
TOTAL	31,464	18,545	12,919

Prepared by the Maryland Department of Planning, Planning Data Services, from the Census Journey-to-Work data, March 2003.

**Percent Change in Inter-State Journey-to-Work Commutation for Maryland
1990 to 2000**

State/Area	Out-of-State Residents Commuting Into Maryland	Maryland Residents Commuting Out To:	Net Commuters (IN - OUT)
Washington, D.C.	2.1%	-3.9%	-4.7%
Virginia	24.4%	19.3%	14.2%
Delaware	41.0%	31.0%	19.1%
Pennsylvania	26.9%	32.2%	24.6%
West Virginia	35.6%	27.5%	38.6%
New Jersey	11.0%	17.6%	41.1%
New York	11.6%	18.9%	29.6%
Elsewhere	10.3%	6.9%	-21.1%
TOTAL	20.8%	4.3%	-4.6%

*Prepared by the Maryland Department of Planning, Planning Data Services,
from the Census Journey-to-Work data, March 2003.*

APPENDIX
DETAILED COMMUTING PATTERNS
1990 AND 2000

HOWARD COUNTY -- 1990	IN FROM :	PERCENT	OUT TO :	PERCENT	NET(In - Out)
TOTAL COMMUTERS	88,995		109,843		-20,848
TOTAL INTER-COUNTY COMMUTERS*	49,706	100.0%	70,554	100.0%	-20,848
BALTIMORE REGION	76,552	-	73,327	-	3,225
Anne Arundel County	8,520	17.1%	12,281	17.4%	-3,761
Baltimore County	14,945	30.1%	9,093	12.9%	5,852
Carroll County	4,475	9.0%	923	1.3%	3,552
Harford County	876	1.8%	250	0.4%	626
Howard County	39,289	-	39,289	-	0
Baltimore City	8,447	17.0%	11,491	16.3%	-3,044
WASHINGTON REGION	9,517	19.1%	24,518	34.8%	-15,001
Frederick County	890	1.8%	428	0.6%	462
Montgomery County	3,953	8.0%	10,888	15.4%	-6,935
Prince George's County	4,674	9.4%	13,202	18.7%	-8,528
SOUTHERN MARYLAND	230	0.5%	103	0.1%	127
Calvert County	123	0.2%	30	0.0%	93
Charles County	99	0.2%	55	0.1%	44
St. Mary's County	8	0.0%	18	0.0%	-10
WESTERN MARYLAND	169	0.3%	26	0.0%	143
Allegany County	43	0.1%	0	0.0%	43
Garrett County	4	0.0%	0	0.0%	4
Washington County	122	0.2%	26	0.0%	96
UPPER EASTERN SHORE	349	0.7%	54	0.1%	295
Caroline County	36	0.1%	17	0.0%	19
Cecil County	69	0.1%	0	0.0%	69
Kent County	22	0.0%	0	0.0%	22
Queen Anne's County	191	0.4%	20	0.0%	171
Talbot County	31	0.1%	17	0.0%	14
LOWER EASTERN SHORE	56	0.1%	26	0.0%	30
Dorchester County	26	0.1%	5	0.0%	21
Somerset County	8	0.0%	7	0.0%	1
Wicomico County	22	0.0%	6	0.0%	16
Worcester County	0	0.0%	8	0.0%	-8
SURROUNDING STATES	1,841	3.7%	11,046	15.7%	-9,205
WASHINGTON, D. C.	406	0.8%	7,917	11.2%	-7,511
VIRGINIA	780	1.6%	2,940	4.2%	-2,160
Accomack County	7	0.0%	19	0.0%	-12
Arlington County	61	0.1%	901	1.3%	-840
Fairfax County	365	0.7%	1,374	1.9%	-1,009
Fauquier County	1	0.0%	0	0.0%	1
Frederick County	14	0.0%	0	0.0%	14
King George County	0	0.0%	0	0.0%	0
Loudoun County	53	0.1%	28	0.0%	25
Prince William County	57	0.1%	57	0.1%	0
Spotsylvania County	15	0.0%	0	0.0%	15
Stafford County	26	0.1%	0	0.0%	26
Alexandria city	82	0.2%	271	0.4%	-189
Fairfax city	0	0.0%	60	0.1%	-60
Falls Church city	0	0.0%	37	0.1%	-37
Manassas city	9	0.0%	38	0.1%	-29
Rest of Virginia	90	0.2%	155	0.2%	-65
WEST VIRGINIA	78	0.2%	0	0.0%	78
Berkeley County	31	0.1%	0	0.0%	31
Grant County	0	0.0%	0	0.0%	0
Hampshire County	0	0.0%	0	0.0%	0
Jefferson County	10	0.0%	0	0.0%	10
Mineral County	0	0.0%	0	0.0%	0
Morgan County	16	0.0%	0	0.0%	16
Preston County	0	0.0%	0	0.0%	0
Rest of West Virginia	21	0.0%	0	0.0%	21
PENNSYLVANIA	544	1.1%	176	0.2%	368
Adams County	85	0.2%	9	0.0%	76
Bedford County	17	0.0%	0	0.0%	17
Chester County	9	0.0%	21	0.0%	-12
Delaware County	7	0.0%	26	0.0%	-19
Franklin County	19	0.0%	0	0.0%	19
Fulton County	9	0.0%	0	0.0%	9
Lancaster County	0	0.0%	0	0.0%	0
Philadelphia County	17	0.0%	28	0.0%	-11
Somerset County	4	0.0%	0	0.0%	4
York County	256	0.5%	27	0.0%	229
Rest of Pennsylvania	121	0.2%	65	0.1%	56
DELAWARE	33	0.1%	13	0.0%	20
Kent County	15	0.0%	0	0.0%	15
New Castle County	18	0.0%	13	0.0%	5
Sussex County	0	0.0%	0	0.0%	0
ELSEWHERE	281	0.6%	743	1.1%	-462

* Total commutation minus intra-county commuters (those that live AND work in Howard County)

Prepared by the Maryland Department of Planning, Planning Data Services, from 1990 Census, March, 2003

HOWARD COUNTY -- 2000	IN FROM :	PERCENT	OUT TO :	PERCENT	NET(In - Out)
TOTAL COMMUTERS	119,993		134,992		-14,999
TOTAL INTER-COUNTY COMMUTERS*	68,738	100.0%	83,737	100.0%	-14,999
BALTIMORE REGION	101,312	-	92,330	-	8,982
Anne Arundel County	14,144	20.6%	13,942	16.6%	202
Baltimore County	19,350	28.2%	11,350	13.6%	8,000
Carroll County	6,213	9.0%	1,073	1.3%	5,140
Harford County	1,935	2.8%	264	0.3%	1,671
Howard County	51,255	-	51,255	-	0
Baltimore City	8,415	12.2%	14,446	17.3%	-6,031
WASHINGTON REGION	14,319	20.8%	28,553	34.1%	-14,234
Frederick County	1,646	2.4%	733	0.9%	913
Montgomery County	5,602	8.1%	13,282	15.9%	-7,680
Prince George's County	7,071	10.3%	14,538	17.4%	-7,467
SOUTHERN MARYLAND	459	0.7%	146	0.2%	313
Calvert County	203	0.3%	25	0.0%	178
Charles County	188	0.3%	96	0.1%	92
St. Mary's County	68	0.1%	25	0.0%	43
WESTERN MARYLAND	215	0.3%	48	0.1%	167
Allegany County	37	0.1%	0	0.0%	37
Garrett County	7	0.0%	0	0.0%	7
Washington County	171	0.2%	48	0.1%	123
UPPER EASTERN SHORE	585	0.9%	53	0.1%	532
Caroline County	68	0.1%	0	0.0%	68
Cecil County	44	0.1%	7	0.0%	37
Kent County	21	0.0%	0	0.0%	21
Queen Anne's County	404	0.6%	46	0.1%	358
Talbot County	48	0.1%	0	0.0%	48
LOWER EASTERN SHORE	100	0.1%	48	0.1%	52
Dorchester County	38	0.1%	12	0.0%	26
Somerset County	0	0.0%	16	0.0%	-16
Wicomico County	53	0.1%	6	0.0%	47
Worcester County	9	0.0%	14	0.0%	-5
SURROUNDING STATES	2,475	3.6%	12,941	15.5%	-10,466
WASHINGTON, D. C.	518	0.8%	8,461	10.1%	-7,943
VIRGINIA	1,031	1.5%	4,075	4.9%	-3,044
Accomack County	0	0.0%	7	0.0%	-7
Arlington County	192	0.3%	1,151	1.4%	-959
Fairfax County	448	0.7%	1,856	2.2%	-1,408
Fauquier County	8	0.0%	0	0.0%	8
Frederick County	9	0.0%	0	0.0%	9
King George County	10	0.0%	0	0.0%	10
Loudoun County	109	0.2%	173	0.2%	-64
Prince William County	48	0.1%	111	0.1%	-63
Spotsylvania County	7	0.0%	0	0.0%	7
Stafford County	14	0.0%	39	0.0%	-25
Alexandria city	82	0.1%	409	0.5%	-327
Fairfax city	7	0.0%	131	0.2%	-124
Falls Church city	19	0.0%	66	0.1%	-47
Manassas city	0	0.0%	17	0.0%	-17
Rest of Virginia	78	0.1%	115	0.1%	-37
WEST VIRGINIA	230	0.3%	34	0.0%	196
Berkeley County	141	0.2%	15	0.0%	126
Grant County	0	0.0%	0	0.0%	0
Hampshire County	0	0.0%	0	0.0%	0
Jefferson County	65	0.1%	12	0.0%	53
Mineral County	2	0.0%	0	0.0%	2
Morgan County	6	0.0%	0	0.0%	6
Preston County	0	0.0%	0	0.0%	0
Rest of West Virginia	16	0.0%	7	0.0%	9
PENNSYLVANIA	647	0.9%	339	0.4%	308
Adams County	155	0.2%	0	0.0%	155
Bedford County	25	0.0%	0	0.0%	25
Chester County	23	0.0%	10	0.0%	13
Delaware County	8	0.0%	7	0.0%	1
Franklin County	7	0.0%	49	0.1%	-42
Fulton County	4	0.0%	0	0.0%	4
Lancaster County	34	0.0%	10	0.0%	24
Philadelphia County	5	0.0%	37	0.0%	-32
Somerset County	2	0.0%	0	0.0%	2
York County	302	0.4%	83	0.1%	219
Rest of Pennsylvania	82	0.1%	143	0.2%	-61
DELAWARE	49	0.1%	32	0.0%	17
Kent County	6	0.0%	9	0.0%	-3
New Castle County	27	0.0%	23	0.0%	4
Sussex County	16	0.0%	0	0.0%	16
ELSEWHERE	528	0.8%	873	1.0%	-345

* Total commutation minus intra-county commuters (those that live AND work in Howard County)

Prepared by the Maryland Department of Planning, Planning Data Services, from 2000 Census, March, 2003

HOWARD COUNTY -- 1990 to 2000	IN FROM :	% Change	OUT TO :	% Change	NET(In - Out)
TOTAL COMMUTERS	30,998	34.8%	25,149	22.9%	5,849
TOTAL INTER-COUNTY COMMUTERS*	19,032	38.3%	13,183	18.7%	5,849
BALTIMORE REGION	24,760	32.3%	19,003	25.9%	5,757
Anne Arundel County	5,624	66.0%	1,661	13.5%	3,963
Baltimore County	4,405	29.5%	2,257	24.8%	2,148
Carroll County	1,738	38.8%	150	16.3%	1,588
Harford County	1,059	120.9%	14	5.6%	1,045
Howard County	11,966	30.5%	11,966	30.5%	0
Baltimore City	-32	-0.4%	2,955	25.7%	-2,987
WASHINGTON REGION	4,802	50.5%	4,035	16.5%	767
Frederick County	756	84.9%	305	71.3%	451
Montgomery County	1,649	41.7%	2,394	22.0%	-745
Prince George's County	2,397	51.3%	1,336	10.1%	1,061
SOUTHERN MARYLAND	229	99.6%	43	41.7%	186
Calvert County	80	65.0%	-5	-16.7%	85
Charles County	89	89.9%	41	74.5%	48
St. Mary's County	60	750.0%	7	38.9%	53
WESTERN MARYLAND	46	27.2%	22	84.6%	24
Allegany County	-6	-14.0%	0	NA	-6
Garrett County	3	75.0%	0	NA	3
Washington County	49	40.2%	22	84.6%	27
UPPER EASTERN SHORE	236	67.6%	-1	-1.9%	237
Caroline County	32	88.9%	-17	-100.0%	49
Cecil County	-25	-36.2%	7	NA	-32
Kent County	-1	-4.5%	0	NA	-1
Queen Anne's County	213	111.5%	26	130.0%	187
Talbot County	17	54.8%	-17	-100.0%	34
LOWER EASTERN SHORE	44	78.6%	22	84.6%	22
Dorchester County	12	46.2%	7	140.0%	5
Somerset County	-8	-100.0%	9	128.6%	-17
Wicomico County	31	140.9%	0	0.0%	31
Worcester County	9	NA	6	75.0%	3
SURROUNDING STATES	634	34.4%	1,895	17.2%	-1,261
WASHINGTON, D. C.	112	27.6%	544	6.9%	-432
VIRGINIA	251	32.2%	1,135	38.6%	-884
Accomack County	-7	-100.0%	-12	-63.2%	5
Arlington County	131	214.8%	250	27.7%	-119
Fairfax County	83	22.7%	482	35.1%	-399
Fauquier County	7	700.0%	0	NA	7
Frederick County	-5	-35.7%	0	NA	-5
King George County	10	NA	0	NA	10
Loudoun County	56	105.7%	145	517.9%	-89
Prince William County	-9	-15.8%	54	94.7%	-63
Spotsylvania County	-8	-53.3%	0	NA	-8
Stafford County	-12	-46.2%	39	NA	-51
Alexandria city	0	0.0%	138	50.9%	-138
Fairfax city	7	NA	71	118.3%	-64
Falls Church city	19	NA	29	78.4%	-10
Manassas city	-9	-100.0%	-21	-55.3%	12
Rest of Virginia	-12	-13.3%	-40	-25.8%	28
WEST VIRGINIA	152	194.9%	34	NA	118
Berkeley County	110	354.8%	15	NA	95
Grant County	0	NA	0	NA	0
Hampshire County	0	NA	0	NA	0
Jefferson County	55	550.0%	12	NA	43
Mineral County	2	NA	0	NA	2
Morgan County	-10	-62.5%	0	NA	-10
Preston County	0	NA	0	NA	0
Rest of West Virginia	-5	-23.8%	7	NA	-12
PENNSYLVANIA	103	18.9%	163	92.6%	-60
Adams County	70	82.4%	-9	-100.0%	79
Bedford County	8	47.1%	0	NA	8
Chester County	14	155.6%	-11	-52.4%	25
Delaware County	1	14.3%	-19	-73.1%	20
Franklin County	-12	-63.2%	49	NA	-61
Fulton County	-5	-55.6%	0	NA	-5
Lancaster County	34	NA	10	NA	24
Philadelphia County	-12	-70.6%	9	32.1%	-21
Somerset County	-2	-50.0%	0	NA	-2
York County	46	18.0%	56	207.4%	-10
Rest of Pennsylvania	-39	-32.2%	78	120.0%	-117
DELAWARE	16	48.5%	19	146.2%	-3
Kent County	-9	-60.0%	9	NA	-18
New Castle County	9	50.0%	10	76.9%	-1
Sussex County	16	NA	0	NA	16
ELSEWHERE	247	87.9%	130	17.5%	117

* Total commutation minus intra-county commuters (those that live AND work in Howard County)

Prepared by the Maryland Department of Planning, Planning Data Services, from 2000 Census, March, 2003

JOURNEY-TO-WORK COMMUTATION SUMMARY FOR MARYLAND'S JURISDICTIONS - 1990

JURISDICTION	COMMUTING INTO*	COMMUTING OUT OF*	NET (IN-OUT)	RESIDENTS WHO WORK IN OWN JURISDICTION	PCT. WHO WORK IN JURIS. OF RESIDENCE	PCT. OF JURIS. JOBS HELD BY RESIDENTS	PCT. OF JURIS. JOBS HELD BY NON-RESIDENTS
MARYLAND	837,828	1,118,514	-280,686	1,363,948	54.9%	61.9%	38.1%
BALTIMORE REGION	476,845	526,341	-49,496	648,194	55.2%	57.6%	42.4%
ANNE ARUNDEL COUNTY	73,119	92,324	-19,205	142,254	60.6%	66.1%	33.9%
BALTIMORE COUNTY	136,840	178,333	-41,493	181,837	50.5%	57.1%	42.9%
CARROLL COUNTY	10,422	35,458	-25,036	29,603	45.5%	74.0%	26.0%
HARFORD COUNTY	13,785	45,380	-31,595	51,824	53.3%	79.0%	21.0%
HOWARD COUNTY	49,706	70,554	-20,848	39,289	35.8%	44.1%	55.9%
BALTIMORE CITY	192,973	104,292	88,681	203,387	66.1%	51.3%	48.7%
WASHINGTON REGION	283,022	457,447	-174,425	468,021	50.6%	62.3%	37.7%
FREDERICK COUNTY	15,106	32,196	-17,090	48,654	60.2%	76.3%	23.7%
MONTGOMERY COUNTY	140,209	177,751	-37,542	251,949	58.6%	64.2%	35.8%
PRINCE GEORGE'S COUNTY	127,707	247,500	-119,793	167,418	40.3%	56.7%	43.3%
SOUTHERN MARYLAND REGION	15,615	57,213	-41,598	62,506	52.2%	80.0%	20.0%
CALVERT COUNTY	3,467	15,262	-11,795	11,351	42.7%	76.6%	23.4%
CHARLES COUNTY	9,020	31,264	-22,244	22,762	42.1%	71.6%	28.4%
ST. MARY'S COUNTY	3,128	10,687	-7,559	28,393	72.7%	90.1%	9.9%
WESTERN MARYLAND REGION	23,729	19,978	3,751	76,722	79.3%	76.4%	23.6%
ALLEGANY COUNTY	7,470	3,997	3,473	25,055	86.2%	77.0%	23.0%
GARRETT COUNTY	2,414	2,431	-17	9,114	78.9%	79.1%	20.9%
WASHINGTON COUNTY	13,845	13,550	295	42,553	75.8%	75.5%	24.5%
UPPER EASTERN SHORE REGION	19,850	39,829	-19,979	49,507	55.4%	71.4%	28.6%
CAROLINE COUNTY	2,686	6,717	-4,031	6,318	48.5%	70.2%	29.8%
CECIL COUNTY	5,375	17,764	-12,389	16,936	48.8%	75.9%	24.1%
KENT COUNTY	2,645	2,306	339	6,410	73.5%	70.8%	29.2%
QUEEN ANNE'S COUNTY	3,068	9,959	-6,891	7,319	42.4%	70.5%	29.5%
TALBOT COUNTY	6,076	3,083	2,993	12,524	80.2%	67.3%	32.7%
LOWER EASTERN SHORE REGION	18,767	17,706	1,061	58,998	76.9%	75.9%	24.1%
DORCHESTER COUNTY	2,782	3,316	-534	10,870	76.6%	79.6%	20.4%
SOMERSET COUNTY	1,513	3,338	-1,825	5,538	62.4%	78.5%	21.5%
WICOMICO COUNTY	8,574	6,892	1,682	29,667	81.1%	77.6%	22.4%
WORCESTER COUNTY	5,898	4,160	1,738	12,923	75.6%	68.7%	31.3%

* Inter-county commuters only. These columns do not include residents who live and work in their own jurisdictions (shown in data column 4). Prepared by the Maryland Department of Planning from 1990 Census Journey-to-Work data.

JOURNEY-TO-WORK COMMUTATION SUMMARY FOR MARYLAND'S JURISDICTIONS - 2000

JURISDICTION	COMMUTING INTO*	COMMUTING OUT OF*	NET (IN-OUT)	RESIDENTS WHO WORK IN OWN JURISDICTION	PCT. WHO WORK IN JURIS. OF RESIDENCE	PCT. OF JURIS. JOBS HELD BY RESIDENTS	PCT. OF JURIS. JOBS HELD BY NON-RESIDENTS
MARYLAND	936,398	1,204,165	-267,767	1,387,505	53.5%	59.7%	40.3%
BALTIMORE REGION	513,727	563,570	-49,843	639,445	53.2%	55.5%	44.5%
ANNE ARUNDEL COUNTY	81,082	111,825	-30,743	144,033	56.3%	64.0%	36.0%
BALTIMORE COUNTY	144,759	176,579	-31,820	196,917	52.7%	57.6%	42.4%
CARROLL COUNTY	13,820	42,788	-28,968	34,804	44.9%	71.6%	28.4%
HARFORD COUNTY	17,793	53,731	-35,938	57,973	51.9%	76.5%	23.5%
HOWARD COUNTY	68,738	83,737	-14,999	51,255	38.0%	42.7%	57.3%
BALTIMORE CITY	187,535	94,910	92,625	154,463	61.9%	45.2%	54.8%
WASHINGTON REGION	317,821	471,981	-154,160	483,071	50.6%	60.3%	39.7%
FREDERICK COUNTY	24,459	42,046	-17,587	60,272	58.9%	71.1%	28.9%
MONTGOMERY COUNTY	153,747	188,203	-34,456	267,128	58.7%	63.5%	36.5%
PRINCE GEORGE'S COUNTY	139,615	241,732	-102,117	155,671	39.2%	52.7%	47.3%
SOUTHERN MARYLAND REGION	24,380	70,789	-46,409	71,729	50.3%	74.6%	25.4%
CALVERT COUNTY	4,915	22,761	-17,846	14,795	39.4%	75.1%	24.9%
CHARLES COUNTY	11,420	36,898	-25,478	24,800	40.2%	68.5%	31.5%
ST. MARY'S COUNTY	8,045	11,130	-3,085	32,134	74.3%	80.0%	20.0%
WESTERN MARYLAND REGION	31,510	24,310	7,200	78,801	76.4%	71.4%	28.6%
ALLEGANY COUNTY	8,639	4,416	4,223	25,155	85.1%	74.4%	25.6%
GARRETT COUNTY	2,420	3,516	-1,096	9,427	72.8%	79.6%	20.4%
WASHINGTON COUNTY	20,451	16,378	4,073	44,219	73.0%	68.4%	31.6%
UPPER EASTERN SHORE REGION	25,375	50,326	-24,951	51,766	50.7%	67.1%	32.9%
CAROLINE COUNTY	2,908	7,874	-4,966	6,219	44.1%	68.1%	31.9%
CECIL COUNTY	7,738	23,609	-15,871	18,446	43.9%	70.4%	29.6%
KENT COUNTY	2,715	2,534	181	6,528	72.0%	70.6%	29.4%
QUEEN ANNE'S COUNTY	4,553	12,473	-7,920	8,379	40.2%	64.8%	35.2%
TALBOT COUNTY	7,461	3,836	3,625	12,194	76.1%	62.0%	38.0%
LOWER EASTERN SHORE REGION	23,585	23,189	396	62,693	73.0%	72.7%	27.3%
DORCHESTER COUNTY	2,995	4,593	-1,598	9,391	67.2%	75.8%	24.2%
SOMERSET COUNTY	2,342	3,837	-1,495	5,263	57.8%	69.2%	30.8%
WICOMICO COUNTY	10,702	9,045	1,657	32,576	78.3%	75.3%	24.7%
WORCESTER COUNTY	7,546	5,714	1,832	15,463	73.0%	67.2%	32.8%

* Inter-county commuters only. These columns do not include residents who live and work in their own jurisdictions (shown in data column 4).
 Prepared by the Maryland Department of Planning from 2000 Census Journey-to-Work data.

JOURNEY-TO-WORK COMMUTATION SUMMARY, CHANGE FROM 1990 TO 2000

JURISDICTION	CHANGE COMMUTING INTO*	CHANGE COMMUTING OUT OF*	CHANGE NET (IN-OUT)	CHANGE RESIDENTS WHO WORK IN OWN JURISDICTION	PCT. PT. CHG. WHO WORK IN JURIS. OF RESIDENCE #	PCT. PT. CHG. OF JURIS. JOBS HELD BY RESIDENTS#	PCT. PT. CHG. OF JURIS. JOBS HELD BY NON-RESIDENTS#
MARYLAND	98,570	85,651	12,919	23,557	-1.4%	-2.2%	2.2%
BALTIMORE REGION	36,882	37,229	-347	-8,749	-2.0%	-2.2%	2.2%
ANNE ARUNDEL COUNTY	7,963	19,501	-11,538	1,779	-4.3%	-2.1%	2.1%
BALTIMORE COUNTY	7,919	-1,754	9,673	15,080	2.2%	0.6%	-0.6%
CARROLL COUNTY	3,398	7,330	-3,932	5,201	-0.6%	-2.4%	2.4%
HARFORD COUNTY	4,008	8,351	-4,343	6,149	-1.4%	-2.5%	2.5%
HOWARD COUNTY	19,032	13,183	5,849	11,966	2.2%	-1.4%	1.4%
BALTIMORE CITY	-5,438	-9,382	3,944	-48,924	-4.2%	-6.1%	6.1%
WASHINGTON REGION	34,799	14,534	20,265	15,050	0.0%	-2.0%	2.0%
FREDERICK COUNTY	9,353	9,850	-497	11,618	-1.3%	-5.2%	5.2%
MONTGOMERY COUNTY	13,538	10,452	3,086	15,179	0.0%	-0.8%	0.8%
PRINCE GEORGE'S COUNTY	11,908	-5,768	17,676	-11,747	-1.2%	-4.0%	4.0%
SOUTHERN MARYLAND REGION	8,765	13,576	-4,811	9,223	-1.9%	-5.4%	5.4%
CALVERT COUNTY	1,448	7,499	-6,051	3,444	-3.3%	-1.5%	1.5%
CHARLES COUNTY	2,400	5,634	-3,234	2,038	-1.9%	-3.1%	3.1%
ST. MARY'S COUNTY	4,917	443	4,474	3,741	1.6%	-10.1%	10.1%
WESTERN MARYLAND REGION	7,781	4,332	3,449	2,079	-2.9%	-4.9%	4.9%
ALLEGANY COUNTY	1,169	419	750	100	-1.2%	-2.6%	2.6%
GARRETT COUNTY	6	1,085	-1,079	313	-6.1%	0.5%	-0.5%
WASHINGTON COUNTY	6,606	2,828	3,778	1,666	-2.9%	-7.1%	7.1%
UPPER EASTERN SHORE REGION	5,525	10,497	-4,972	2,259	-4.7%	-4.3%	4.3%
CAROLINE COUNTY	222	1,157	-935	-99	-4.3%	-2.0%	2.0%
CECIL COUNTY	2,363	5,845	-3,482	1,510	-4.9%	-5.5%	5.5%
KENT COUNTY	70	228	-158	118	-1.5%	-0.2%	0.2%
QUEEN ANNE'S COUNTY	1,485	2,514	-1,029	1,060	-2.2%	-5.7%	5.7%
TALBOT COUNTY	1,385	753	632	-330	-4.2%	-5.3%	5.3%
LOWER EASTERN SHORE REGION	4,818	5,483	-665	3,695	-3.9%	-3.2%	3.2%
DORCHESTER COUNTY	213	1,277	-1,064	-1,479	-9.5%	-3.8%	3.8%
SOMERSET COUNTY	829	499	330	-275	-4.6%	-9.3%	9.3%
WICOMICO COUNTY	2,128	2,153	-25	2,909	-2.9%	-2.3%	2.3%
WORCESTER COUNTY	1,648	1,554	94	2,540	-2.6%	-1.5%	1.5%

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These are percentage POINT changes, not percentage change.

Prepared by the Maryland Department of Planning from 1990 & 2000 Census Journey-to-Work data.