



DATA SNAPSHOTS

1

Bucks County Senior Mobility Assessment



Delaware Valley
Regional Planning
Commission

April 2008

Created in 1965, the Delaware Valley Regional Planning Commission (DVRPC) is an interstate, intercounty, and intercity agency that provides continuing, comprehensive and coordinated planning to shape a vision for the future growth of the Delaware Valley region. The region includes Bucks, Chester, Delaware, and Montgomery counties, as well as the City of Philadelphia, in Pennsylvania; and Burlington, Camden, Gloucester, and Mercer counties in New Jersey. DVRPC provides technical assistance and services; conducts high priority studies that respond to the requests and demands of member state and local governments; fosters cooperation among various constituents to forge a consensus on diverse regional issues; determines and meets the needs of the private sector; and practices public outreach efforts to promote two-way communication and public awareness of regional issues and the Commission.



Our logo is adapted from the official DVRPC seal, and is designed as a stylized image of the Delaware Valley. The outer ring symbolizes the region as a whole, while the diagonal bar signifies the Delaware River. The two adjoining crescents represent the Commonwealth of Pennsylvania and the State of New Jersey.

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As the region's metropolitan planning organization (MPO), the Commission provides technical assistance and services to its member state, county and local governments, the private sector and the public. *Delaware Valley Data* is our periodic series of free data bulletins and analytical reports that provide information for DVRPC's nine-county region and an extended 28-county data services area. *Data Snapshots* consider specific issues in smaller geographic areas. Series 1 of *Data Snapshots* examines issues related to the region's senior residents. This report, which assesses senior mobility in Bucks County, Pennsylvania, is the first in this series. For more information on Data Bulletins, Analytical Data Reports, and Data Snapshots please visit the Delaware Valley Regional Planning Commission's website (www.dvrpc.org).

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Introduction

The number of elderly residents has increased dramatically throughout the nation and the Delaware Valley in recent years, and is expected to continue to increase at a record pace. DVRPC's *Getting Older and Getting Around* (report #99015) considered accessibility and mobility needs of the region's elderly. *The Aging of the Baby Boomers: Housing Seniors in the Delaware Valley* extended that work by considering issues related to housing for the elderly, as a means of offering guidance to county and municipal officials faced with a growing suburban elderly population.

The Bucks County Commissioners' Senior Task Force and the Bucks County Area Agency on Aging (BCAAA) recognize that the mobility and safety of older adults are planning priorities of the Delaware Valley Regional Planning Commission. In Fall 2008, the Bucks County Senior Task Force will hold a forum to address and improve the mobility of the County's older residents and, in doing so, ultimately improve mobility across all ages. In April 2007, the Executive Board of the Bucks County Transportation Management Association (TMA) formally endorsed this initiative. In preparation for the Fall 2008 forum, the Bucks County Area Agency on Aging (BCAAA) asked DVRPC to assist in the development and compilation of a survey to assess mobility issues facing the County's older adults. This survey will be helpful in determining the immediate and long-term needs and issues that define the health and mobility of adults as they age, while also engaging local municipalities in the forum process.

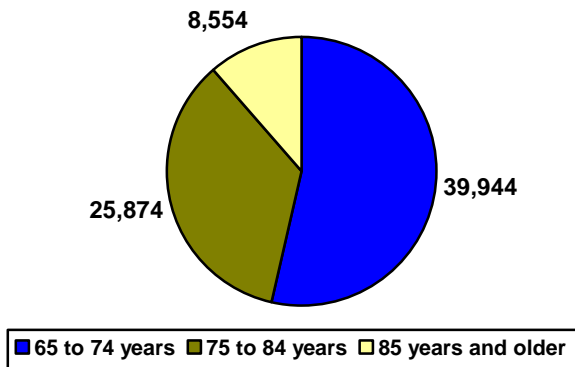
In addition to this survey, DVRPC staff prepared this technical memorandum, the purpose of which is to provide a brief synopsis and analysis of Bucks County senior demographics and transportation statistics. The memorandum includes an overview of applicable demographics; existing senior housing and medical facilities; existing transportation facilities and services; and transportation safety, including an analysis of senior-involved crash data. This information will be used by the BCAA's Senior Task Force as they conduct the survey and plan their 2008 forum.

Demographics

In 2000, Bucks County was home to 597,600 residents. Over 74,000 of these residents (12.4%) were aged 65 years or older. Almost 40,000 residents were between 65 to 74 years old, comprising over 50 percent of all those 65 years or older. Figure 1 illustrates the percent of residents age 65 to 74 years; 75 to 84 years; and older than 85 years.

The United States Census Bureau collects demographic information at many geographic levels. To assist in identifying concentrations of seniors within the county, the following analysis employs the block group level. Bucks County's 73 individual municipalities are divided into 374 block groups ranging in size from 0.07 to 17.9 square miles. The number of block groups per municipality varies: some rural municipalities, like Wrightstown and Durham Townships, contain

Figure 1: Bucks County Residents Age 65 Years and Older, 2000



Source: U.S. Census Bureau (2000 Census of Population and Housing), March 2008.

only one block group while more urban municipalities have more, including Bensalem Township (with 37) and Bristol Township (with 50). The total population per block group ranges from 46 to 6,083 residents, with a mean of 1,597 residents.

Map 1 illustrates the number of persons 65 years and older per block group. The number of residents age 65 years and older ranges from 16 to 1,226 per block group, with a mean of 199 residents.

While it is important to understand how many people reside in a specific block group, a density analysis has also been included, to account for the varying geographic size of each block group. Map 2 illustrates the density of persons 65 years and older per block group. Table 1 lists the top ten block groups with highest total number of people age 65 years and older, the area of the block group, and the density of the 65 years and older population.

Table 1: Block Groups with the Highest Number of Residents Age 65 Years and Older

Municipality			Age 65 years and older	Total population	Percent of population age 65 and older	Area (sq. miles)	Persons age 65 years and older per square mile
	Census tract	Block group					
Buckingham Twp.	104	2	1,226	2,879	43%	10.9	112.6
Doylestown Twp.	104	3	970	3,087	31%	3.4	284.7
U. Southampton Twp.	101	1	969	2,977	33%	1.0	983.7
Middletown Twp.	100	2	926	3,123	30%	2.9	324.6
Doylestown Twp.	104	1	841	3,400	25%	1.9	444.5
Doylestown Boro.	104	2	746	1,655	45%	0.3	2271.0
Warminster Twp.	101	1	707	1,210	58%	0.3	2698.8
L. Makefield Twp.	105	1	681	4,891	14%	1.2	578.9
Quakertown Boro.	103	1	660	2,475	27%	0.6	1119.7
Doylestown Twp.	104	2	636	3,252	20%	2.5	254.2

Source: United States Census Bureau (2000 Census of Population and Housing), March 2008.

Lower Bucks County (including Bristol Borough and Bristol, Bensalem, Falls, and Middletown Townships) has a fairly dense population of residents 65 years and over, as well as Warminster and Doylestown Townships and Doylestown, Perkasie, and Quakertown Boroughs. Opportunities for new or expanded senior services should be explored in these locations.

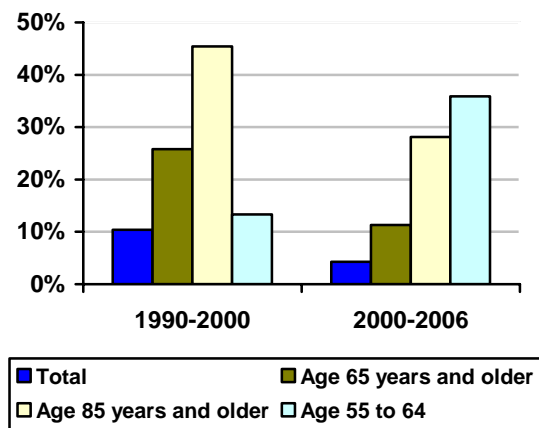
Transportation needs and travel patterns change as the population ages. For example, the needs of a person at age 65 may be very different than those of someone who is age 85. Appendix A identifies the number of senior citizens by block group in varying age intervals (65-74, 75-84, and age 85 and older). It is important to keep in mind that this information is now eight years old (with the 2000 Census as its source).

In addition to these senior citizens, almost 55,000 residents between 55 and 64 years of age (commonly referred to as the “near-elderly”) lived in the county in 2000. Maps 3 and 4 illustrate population and population density for people age 55 to 64 years, respectively. Assuming that the majority of these individuals will age in place, it is important that areas identified as having concentrations of people approaching the age of 65 begin to prepare now to meet the needs of this next wave of seniors, by expanding existing programs or providing new services.

Growth of the Senior Population

The senior population in Bucks County has grown at a significantly higher rate than has the total county population in recent years, as illustrated in Figure 2. Between 1990 and 2000, the number of county residents age 65 years and older increased by 25.8%, compared to an overall population increase of only 10.4%. Growth of the oldest seniors (age 85 and older) increased even more significantly, at 45.4%. As importantly, the county’s next wave of senior citizens, those age 55 to 64, increased by 13.3%.

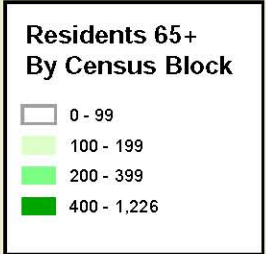
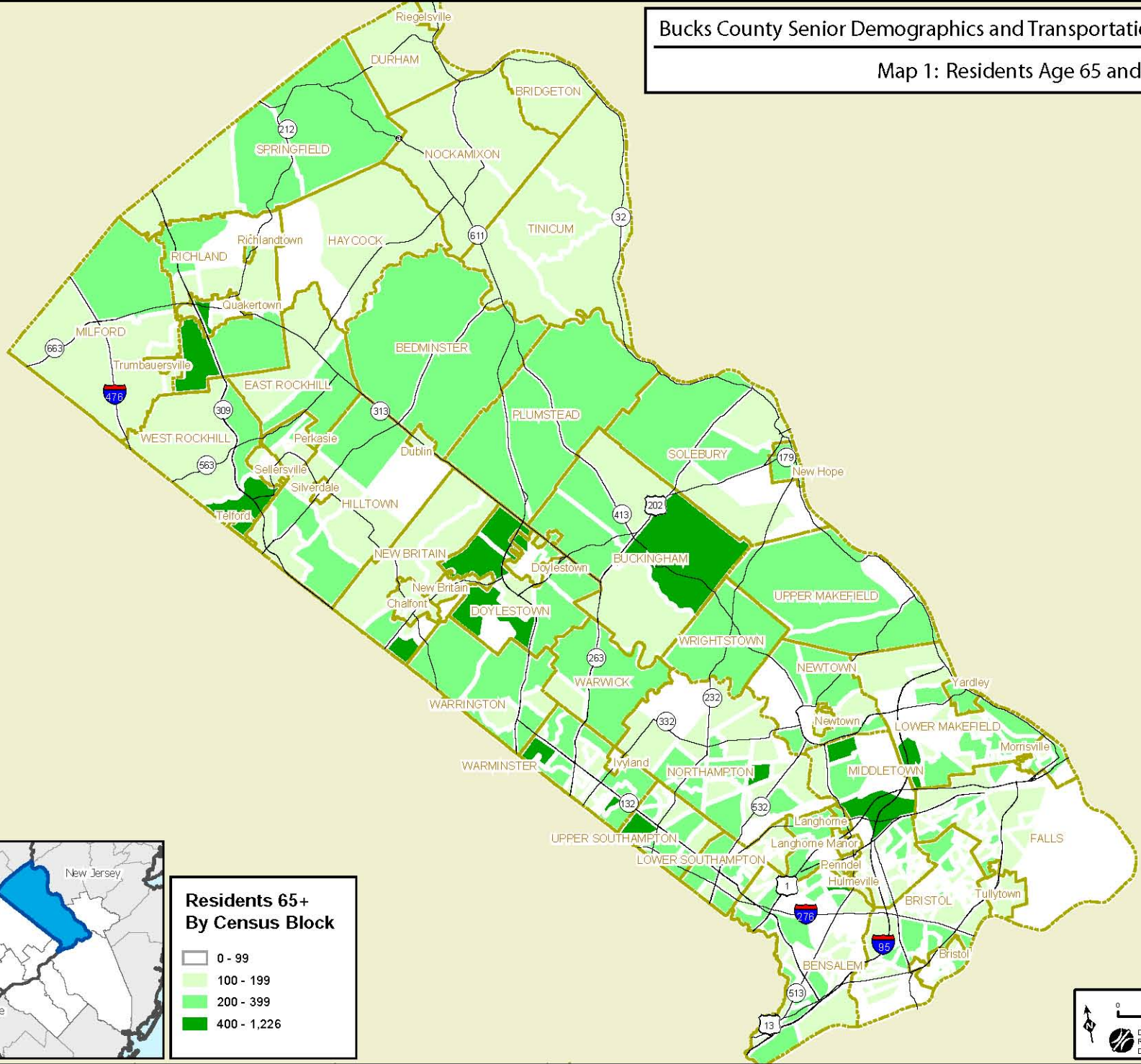
Figure 2: Bucks County Population, 1990-2006



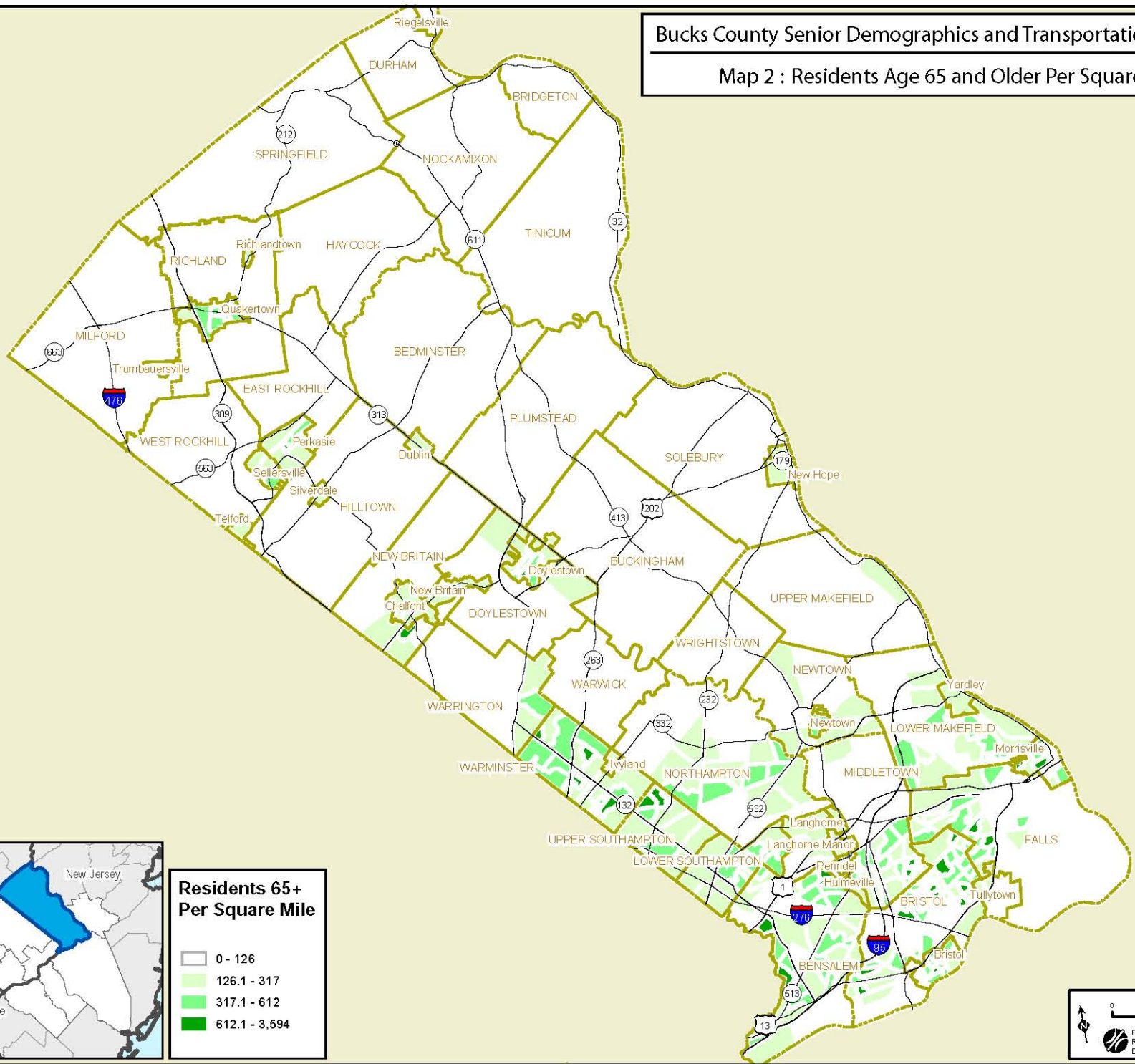
Source: United States Census Bureau, March 2008.

Some suburban Bucks County municipalities have seen increases in their senior populations of 50% or more since 1990. This growth in the number of seniors is expected to increase exponentially in Bucks County, the Delaware Valley, and the nation as a whole, as the baby-boomers (people born between 1946 and 1964) begin to turn 65, as early as 2011. Between 2000 and 2006, the Census Bureau has estimated that the number of county residents age 65 and older

Bucks County Senior Demographics and Transportation Statistics
Map 1: Residents Age 65 and older, 2000



Bucks County Senior Demographics and Transportation Statistics
Map 2 : Residents Age 65 and Older Per Square Mile, 2000



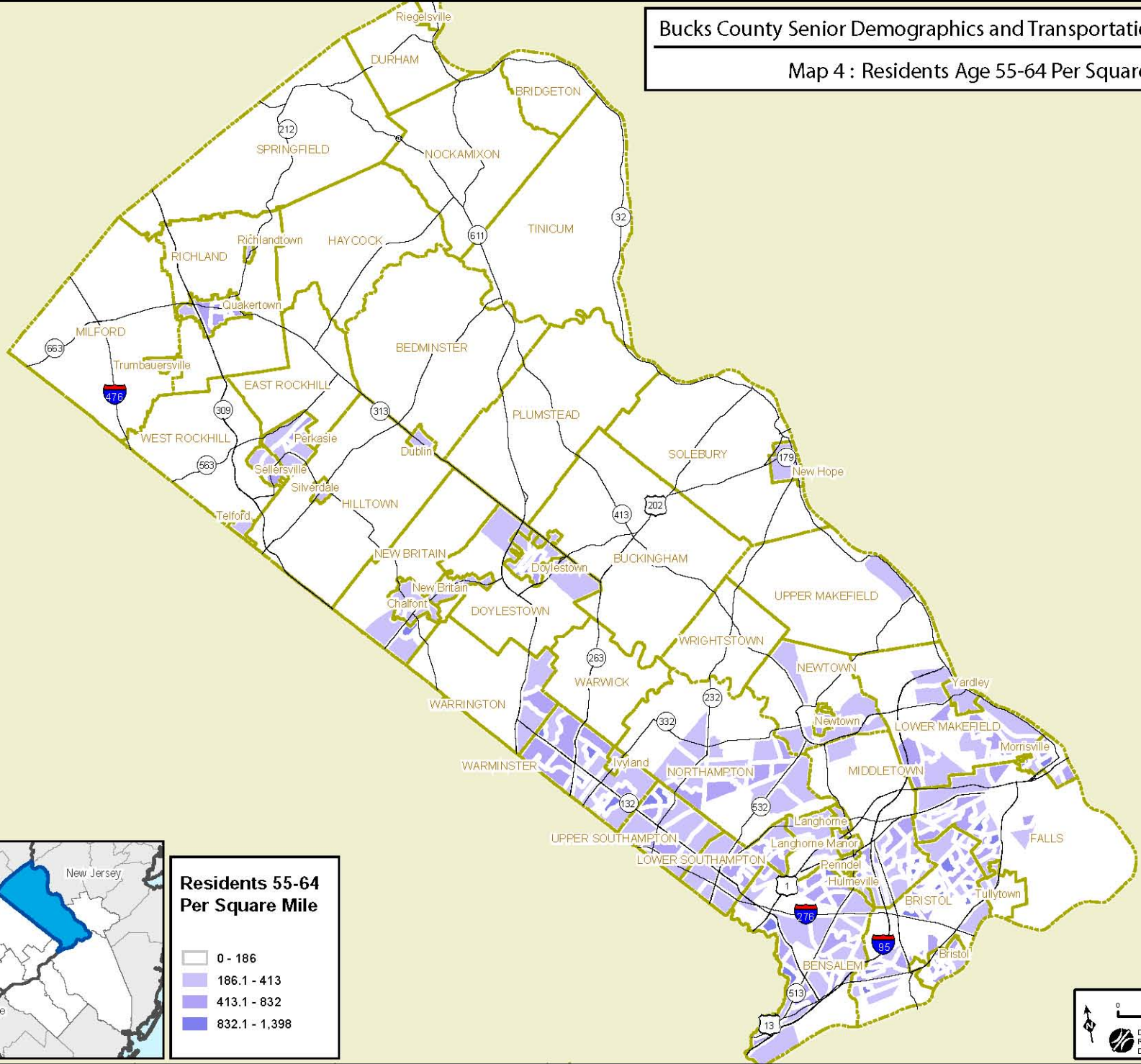
Residents 65+ Per Square Mile

0 - 126
126.1 - 317
317.1 - 612
612.1 - 3,594

0 2 4 Miles

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Bucks County Senior Demographics and Transportation Statistics
Map 4 : Residents Age 55-64 Per Square Mile, 2000



Residents 55-64 Per Square Mile

White	0 - 186
Light Purple	186.1 - 413
Medium Purple	413.1 - 832
Dark Purple	832.1 - 1,398

0 2 4 Miles

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increased by 11.3%, compared to an overall population increase of only 4.3%. During the same six-year time period, the number of residents over age 85 is estimated to have increased by an additional 28.1%, and the number of “near-elderly” (age 55 to 64) grew by almost 36%.

Locations of Senior Housing and Medical Facilities

Map 5 illustrates the locations of senior housing and medical facilities in Bucks County, including five types of senior housing, hospitals, and nursing homes. Data was obtained for the following types of senior housing:

- Housing Authority Owned Senior Subsidized Apartments – Eight apartment complexes subsidized by Housing and Urban Development (HUD) available to seniors age 62 or over. Eligibility is based on income and asset limitations and the monthly rental charge is set at 30% of the tenant’s adjusted monthly income.
- Privately Owned Government-Assisted Apartments – Six apartments are classified as assisted housing, open to the general public (including seniors) and offering rents at less than fair market.
- Privately Owned Senior Apartments (Subsidized and Non-Subsidized) – Nine privately owned apartments in the County are open to seniors 62 and older. Units are either private or Housing Authority subsidized.
- Life Care Communities – These eleven communities offer numerous services, including lifetime medical care. Prices, contracts, and entrance fees vary.
- Age-Restricted Housing – These forty-nine communities have a minimum age limit, usually age 55. The mix of developments includes individual rooms, town homes, and single family houses. Many communities offer additional services and amenities like restaurants, clubhouses, and medical services.

Appendix B identifies the type, location, and unit count (where applicable) for these five housing options. While senior housing itself is not a new concept, age-restricted housing communities are an increasingly popular type of development. These developments are generally market rate and in many cases high-end units, and, coupled with the fact that they generally bring few if any children in to the local school districts, offer an attractive development alternative for local governments concerned with rising local property taxes.

Several of these developments are akin in design and unit count to traditional residential subdivisions, with unit counts ranging from 50 to over 1,800 housing units per community. Given that at least ten of the county’s age-restricted housing communities have been constructed since 2000, data from the 2000 Census does not adequately capture where the

county's seniors currently reside. Communities that have opted to allow the construction of large age-restricted communities need to prepare for an increasing demand for additional senior services in the future.

Transportation

Major roadways that traverse Bucks County include Interstates 95 and 276; US Routes 1, 13, and 202; and PA Routes 32, 132, 313, 611, and 309. Map 6 illustrates Bucks County's public transit network, including both fixed-route transit options (such as bus routes, commuter rail service, rail stations, and shuttle services) and paratransit service areas. In general, public transportation can be divided into three types of service:

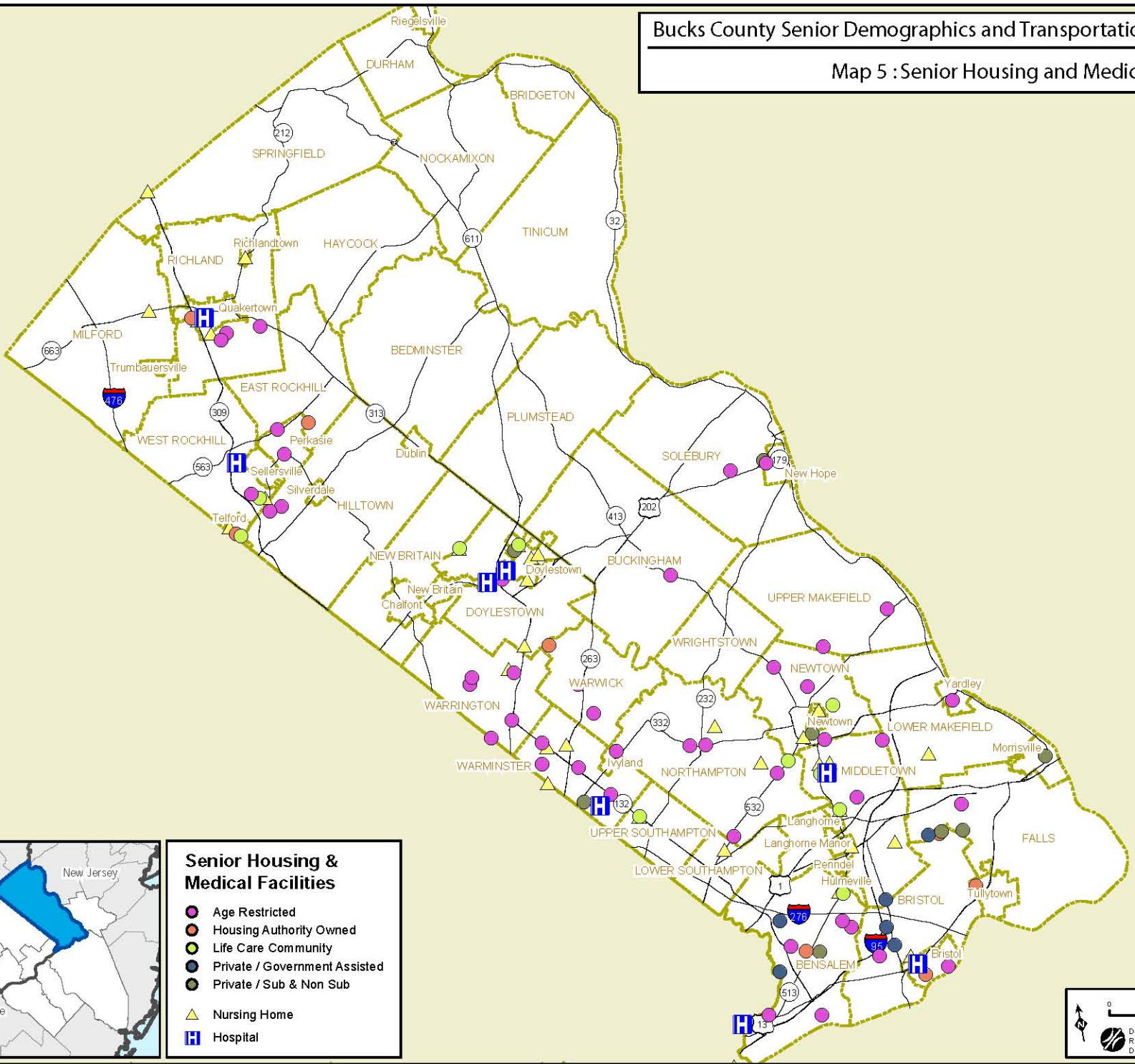
- Fixed-route – a vehicle travels on a specific route with an established schedule and transit stops.
- Modified fixed-route – similar to a fixed-route, but a driver may deviate from a route.
- Demand responsive – allows passengers to request pick up and drop off locations.

Bucks County is fortunate to have several types of public transit. Some of the numerous agencies and organizations that supply public transportation specifically for seniors in Bucks County are listed below:

- The Southeastern Pennsylvania Transportation Authority (SEPTA) oversees public bus and rail transportation within the county. All fixed-route buses operate with ADA accessible vehicles, where each bus can be lowered to street level. A SEPTA bus can transport mobility vehicles up to 30 inches by 48 inches. Fifteen fixed-route bus lines are in operation within the county:
 - 14 and 14A: Oxford Valley Mall & Neshaminy Mall
 - 22 and 22A: Warminster and Willow Grove to the Olney Transportation Center
 - 24: Southampton to the Frankford Transportation Center
 - 55 and 55A: Doylestown/Willow Grove to the Olney Transportation Center
 - 58: Somerton/Neshaminy Mall to the Frankford Transportation Center via Bustleton Avenue
 - 127: Philadelphia Park Casino to Trenton via Oxford Valley Mall
 - 128: Neshaminy Mall to Oxford Valley Mall
 - 129: Oxford Valley Mall to Torresdale
 - 130 and 130A: Franklin Mills Mall to Bucks County Community College
 - 132: Montgomery Mall to Telford
 - 304: Frankford and City Line to Bristol

Bucks County Senior Demographics and Transportation Statistics

Map 5 : Senior Housing and Medical Facilities



Senior Housing & Medical Facilities

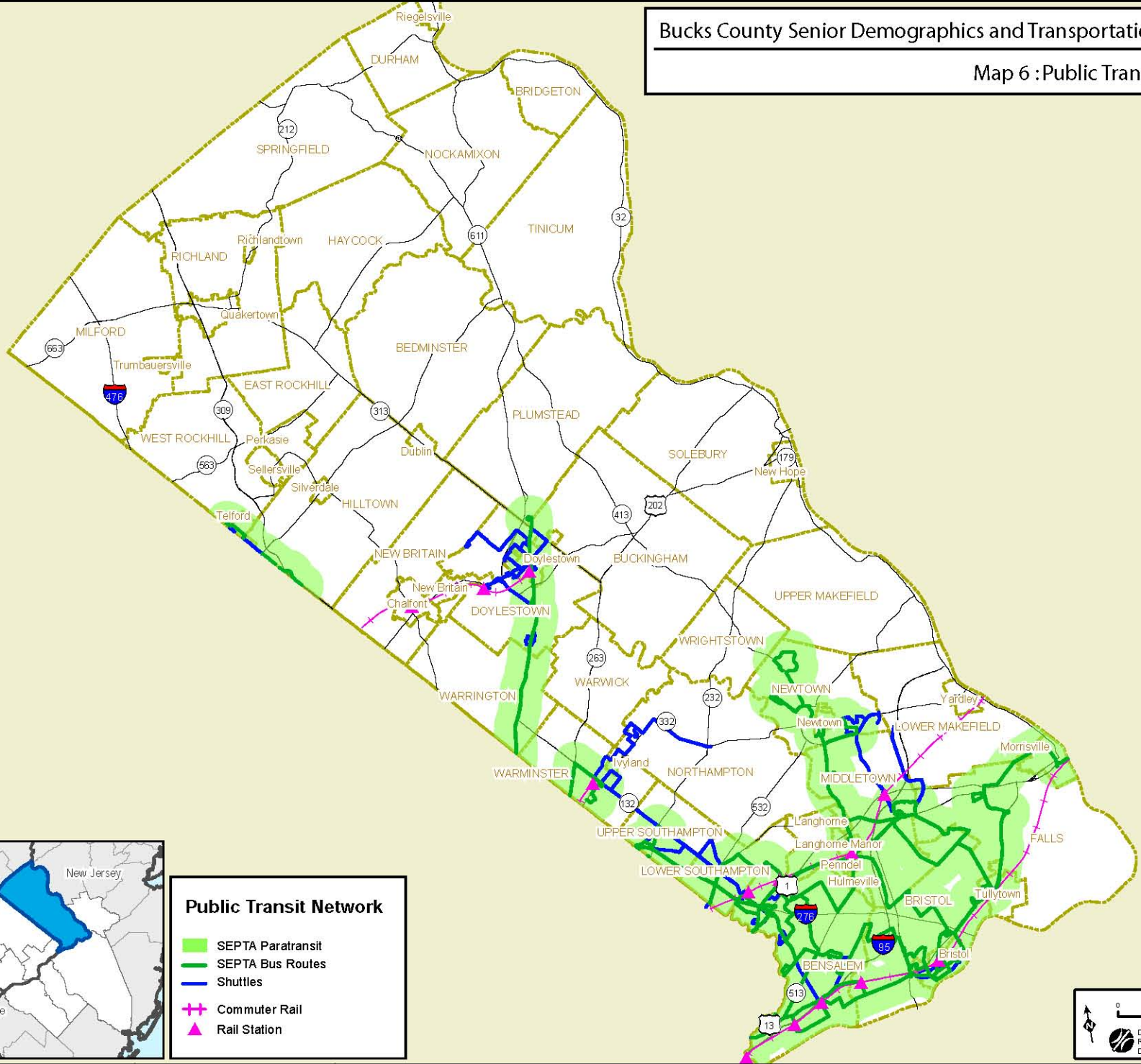
- Age Restricted
- Housing Authority Owned
- Life Care Community
- Private / Government Assisted
- Private / Sub & Non Sub
- ▲ Nursing Home
- Hospital

0 2 4 Miles

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Bucks County Senior Demographics and Transportation Statistics

Map 6 : Public Transit Network



Public Transit Network

- SEPTA Paratransit
- SEPTA Bus Routes
- Shuttles
- + Commuter Rail
- ▲ Rail Station

0 2 4 Miles

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Customized Community Transport (CCT Connect), SEPTA's paratransit service, provides additional ADA service to individuals functionally unable to use regular fixed-route service. CCT Connect operates as a modified fixed-route for origins and destinations falling within ¼ mile of a fixed-route bus line. Regional rail transportation is also operated by SEPTA. Four regional rail lines run through Bucks County: the R3 to West Trenton and Media; the R7 to Trenton and Chestnut Hill; the R5 to Doylestown and Paoli; and the R2 to Warminster and Wilmington, Delaware.

SEPTA bus and rail service covers many areas of Lower Bucks County and Doylestown, which correlates to the majority of the high density senior block groups. Unfortunately, other locations with high concentrations of seniors, particularly Quakertown, Sellersville, Perkasio, and Northampton, lack SEPTA rail or bus service. In these locations, it is important to consider the reliance on other forms of transportation for seniors. This is doubly so for seniors with mobility limitations: since SEPTA does not provide bus service in these communities, paratransit services are also not provided.

- The Transportation Management Association (TMA) of Bucks County provides several transportation services, including the following Job Access and Reverse Commute (JARC) services:
 - Doylestown DART: Doylestown Area Regional Transit, or DART, serves the greater Doylestown area from 7:30 a.m. to 6:30 p.m. Monday through Friday and 9:30 a.m. to midnight on Saturdays. DART services local stops throughout Doylestown and connects with SEPTA R-5 rail to Lansdale, Philadelphia, and Paoli and the Route 55 bus to Willow Grove and Olney.
 - Richboro Warminster RUSH: Provides morning and evening peak-hour service between SEPTA R-2 trains at the Warminster Station and locations in Warminster, Ivyland, Northampton Township, and Richboro via Jacksonville and Almshouse Roads.
 - Street Road RUSH: Provides service between SEPTA R-3 trains at Trevoise Station and locations along the Street Road Corridor in Bensalem, Lower Southampton, and Upper Southampton Townships.
 - Bristol RUSH: Provides morning and evening peak-hour service between SEPTA R-7 trains at Bristol Station and employers in Bristol Borough.
 - Newtown RUSH: Provides morning and evening peak-hour service between SEPTA R-3 trains at Woodbourne Station and employers in Middletown, Newtown, and Lower Makefield Townships.

- Bucks County Transport (BTC) facilitates shared ride transportation services to all Bucks County residents. Seniors age 65 and older can qualify for discounts.
- Family Services Association of Bucks County (FSAB) provides transportation services for HIV positive individuals. Approximately five percent of their clients are over the age of 65, and many are on social security disability. FSAB provides other services to seniors, including the Guardianship Program and Senior Reach.
- Bucks County Association for the Blind and Visually Impaired offers transportation services for visually impaired individuals for medical, shopping and other trips.
- Chandler Hall, a non-profit senior health service organization, provides residents and Adult Day Care programs clients with transportation to many destinations, including medical trips, restaurants, shopping and religious services.
- Bux-Mont Transportation Services Co, among many other transportation options, runs a Share Ride program, also known as the Lottery Ride program. Seniors age 65 and older can travel at 15 percent of the total cost of the ride. They also provide rental wheelchair accessible vehicles, with discounted rates for seniors.
- Several senior communities provide their own transportation, including Pennswood Village and Friends Home Village, both in Newtown. Additional transportation services in Bucks County include Road to Recovery, the Bucks County Department of Military Affairs, Faith in Action, Project HOPE and the Lower Bucks YMCA.

Transportation Safety

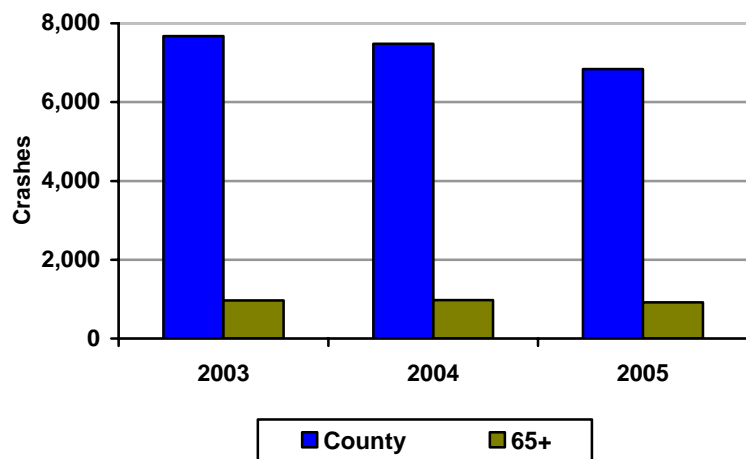
This section of the report briefly examines transportation safety of Bucks County seniors through the analysis of existing Pennsylvania Department of Transportation (PennDOT) crash data. For this analysis data for the years 2003 to 2005 was utilized. Crashes discussed are reportable crashes. Reportable crashes are crashes involving fatality, injury and/or property damage to the vehicle that requires that it be towed from the scene.

Figure 3 illustrates the number of crashes occurring countywide and involving a senior driver in 2003, 2004, and 2005. For the three-year study period, there were 21,996 crashes in Bucks County, 13% of which involved persons 65 years or older. Considering that 12% of the population of Bucks County is adults 65 years and older, this sector of the total population is slightly over-represented in crashes. Figure 3 also suggests that while the total number of annual crashes countywide decreased each year from 2003 to 2005, the number of crashes involving seniors increased slightly between 2003 and 2004 and decreased at less than half the overall county rate between 2004 and 2005. However, the percentage of the total county

crashes that involve seniors has increased steadily over the three-year period, from 12.6% in 2003 to 13.4% in 2005.

The southeast section of the county has the highest concentration of crashes. This is consistent with population density in the county. This also correlates positively with areas which are more densely served by mass transit.

Figure 3: Crashes in Bucks County, 2003-2005



Source: Pennsylvania Department of Transportation, March 2008.

There were 39 fatal crashes involving seniors in the county over the three-year period, with 43 total fatalities (including both seniors and non-seniors). These were spread throughout the county roadways. There were, however, concentrations of crashes involving seniors around major intersections.

Although fatalities represent only 1.4% of the senior-involved crashes, senior-involved fatalities represent 21% of the county's fatalities

for the study period. The percentage of senior-involved crashes that resulted in injuries (55%) was higher than for the percentage of total county crashes resulting in injuries (49%).

The most predominant crash type for seniors was "angle crashes", which represented 48% of the senior involved crashes. This is much higher than the percentage for this crash type for the county total at 30%. This supports the clustering of crashes around intersections. The second highest crash type, for seniors, was "rear-end" with 28% and, with 11%, "hit-fixed objects" was third. Fifteen percent (519) of the senior crashes was attributed to making improper or careless turns, whereas only 9% of the county total was attributed to this driver action. Other driver actions attributed to senior crashes were "other improper driving actions," "driving too fast for conditions," "proceeding without clearance after stop," and "red light running."

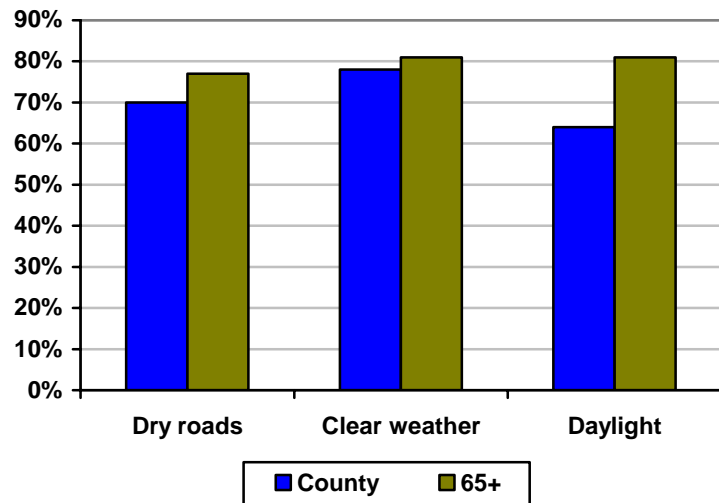
The percentages of senior crashes during daylight conditions, in clear weather and on dry roads are higher than for the county total, as illustrated in Figure 4. Approximately 60% of the senior-related crashes occurred between the hours of 10:00 a.m. and 4:00 p.m. This data may be explained in part, however, by the fact that senior drivers often alter their driving habits as they age to avoid driving in adverse conditions, with the majority of their driving done during daylight hours and in good weather conditions. Studies have shown that rather than giving up driving entirely, many seniors who drive often change their habits as their ability to drive diminishes,

giving up driving at night or driving to certain, congested places, for example, long before they stop driving completely.

PA 132 had the highest number of senior-involved crashes with 232 crashes over the three-year period, and four of these crashes resulted in fatalities. Map 7 identifies the locations of highway fatalities involving drivers age 65 and older between 2003 and 2005. Roadways with sixty or more senior-involved crashes and fatal crashes between 2003 and 2005 are shown in Table 2.

Map 8 depicts a senior population based crash rate for senior crashes by block group. An analysis of crash rate by population showed that Bucks County had an overall crash rate of 1.14 crashes per 100 residents, while there were 1.29 crashes per 100 seniors. Table 3 indicates the average annual number of senior crashes by municipality, highlighting municipalities with senior-involved crash rates greater than two.

Figure 4: Conditions During Countywide versus Senior-Related Crashes, 2003-2005



Source: Pennsylvania Department of Transportation, March 2008.

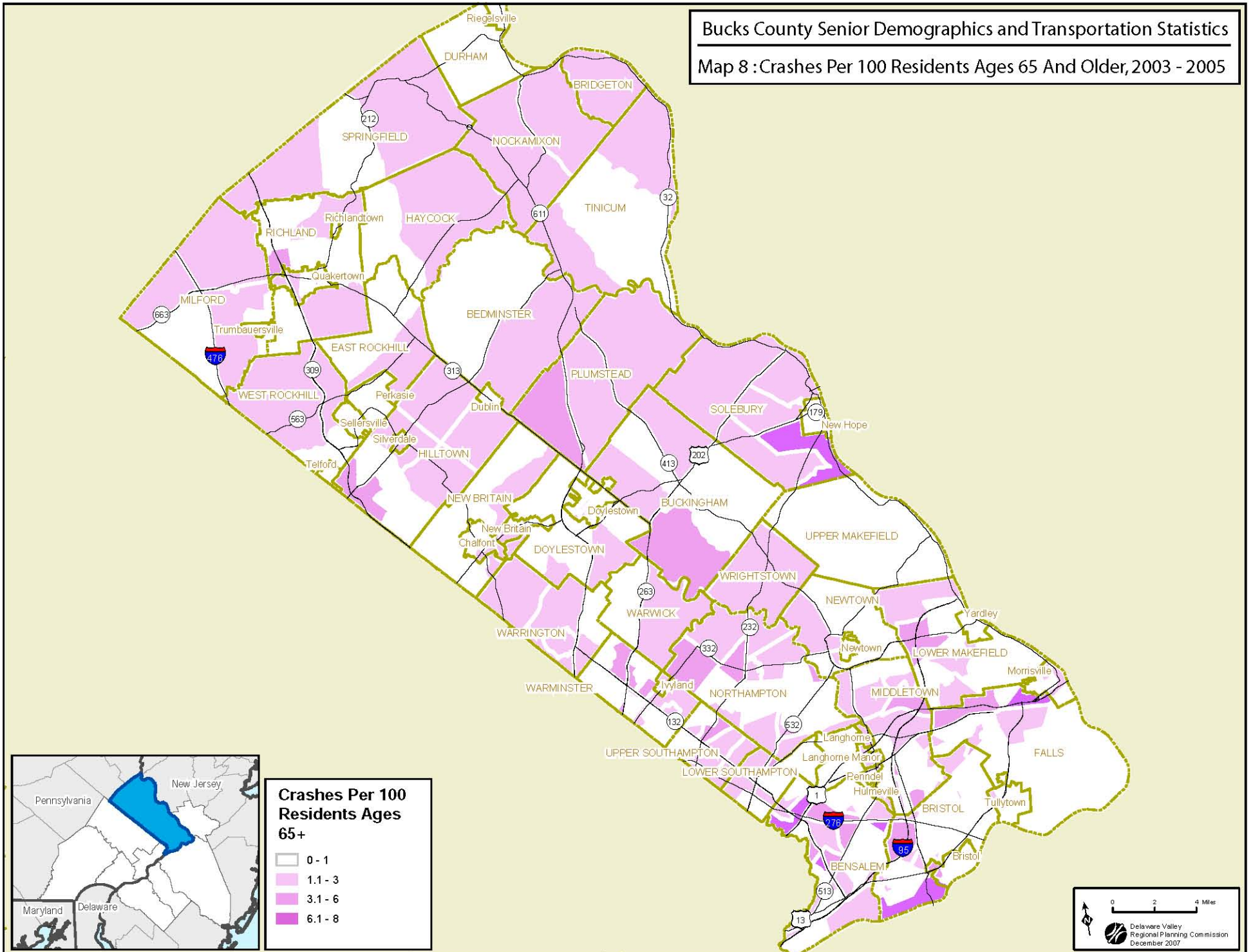
Table 2: Roadways with Sixty or More Senior-Involved Crashes, 2003-2005

Road	Senior Crashes	Senior Fatal Crashes	Functional Class
PA 132	232	4	Principal Arterial
PA 413	119	2	Principal Arterial
PA 611	104	2	Principal Arterial
US 13	92	0	Principal Arterial
PA 263	92	1	Principal Arterial
PA 309	88	1	Principal Arterial
PA 313	83	3	Principal Arterial
County Line Rd.	82	1	Principal Arterial
PA 232	81	0	Principal Arterial/Minor Arterial/Urban Collector
PA 332	67	0	Principal Arterial
US 202	66	1	Principal Arterial

Source: Pennsylvania Department of Transportation, March 2008.

Bucks County Senior Demographics and Transportation Statistics

Map 8 : Crashes Per 100 Residents Ages 65 And Older, 2003 - 2005



Crashes Per 100 Residents Ages 65+

- 0 - 1
- 1.1 - 3
- 3.1 - 6
- 6.1 - 8

0 2 4 Miles

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Table 3: Crash Data by Municipality

Municipality	2003-2005 Senior Crashes	2000 Senior Population	Average Annual Crashes per 100 Seniors
Bedminster Township	27	615	1.46
Bensalem Township	305	6402	1.59
Bridgeton Township	8	183	1.46
Bristol Borough	30	1559	0.64
Bristol Township	220	7046	1.04
Buckingham Township	115	2194	1.75
Chalfont Borough	11	337	1.09
Doylestown Borough	44	2093	0.7
Doylestown Township	75	3173	0.79
Dublin Borough	6	173	1.16
Durham Township	5	156	1.07
East Rockhill Township	19	461	1.37
Falls Township	158	4425	1.19
Haycock Township	9	219	1.37
Hilltown Township	106	1460	2.42
Hulmeville Borough	5	105	1.59
Ivyland Borough	4	73	1.83
Langhorne Borough	17	213	2.66
Langhorne Manor Borough	5	122	1.37
Lower Makefield Township	93	3383	0.92
Lower Southampton Township	87	2762	1.05
Middletown Township	206	5749	1.19
Milford Township	43	997	1.44
Morrisville Borough	24	1204	0.66
New Britain Borough	5	286	0.58
New Britain Township	24	1273	0.63
New Hope Borough	2	255	0.26
Newtown Borough	6	371	0.54
Newtown Township	62	1501	1.38
Nockamixon Township	21	339	2.06
Northampton Township	147	3929	1.25
Penndel Borough	0	319	0
Perkasie Borough	33	937	1.17
Plumstead Township	74	746	3.31
Quakertown Borough	72	1365	1.76
Richland Township	86	1366	2.10
Richlandtown Borough	1	225	0.15
Riegelsville Borough	1	134	0.25
Sellersville Borough	10	373	0.89
Silverdale Borough	3	62	1.61

Table 3: Crash Data by Municipality (continued)

Municipality	2003-2005 Senior Crashes	2000 Senior Population	Average Annual Crashes per 100 Seniors
Solebury Township	58	896	2.16
Springfield Township	23	641	1.2
Telford Borough	18	568	1.06
Tinicum Township	23	586	1.31
Trumbauersville Borough	3	121	0.83
Tullytown Borough	13	344	1.26
Upper Makefield Township	19	734	0.86
Upper Southampton Township	129	3088	1.39
Warminster Township	213	4782	1.48
Warrington Township	90	1502	2
Warwick Township	35	698	1.67
West Rockhill Township	43	903	1.59
Wrightstown Township	14	280	1.67
Yardley Borough	7	366	0.64
County Total	2,857	74,094	1.29

Source: Pennsylvania Department of Transportation, March 2008. **Note:** municipalities with senior-involved crash rates greater than 2 per 100 are highlighted. Although the senior population data is taken from the 2000 Census and the crash data is from 2003, 2004, and 2005, the “average annual crash rate” is intended to illustrate the relative number of senior-involved crashes in each municipality as compared to the rest of the County.

Conclusion

The number of elderly residents has increased dramatically in Bucks County in recent years, as it has throughout the Delaware Valley region and the nation as a whole. This growth is expected to continue at a record pace as baby boomers begin to reach retirement age, beginning as early as 2011. Today’s seniors can expect to live longer than previous generations, and many will want to stay in the suburban communities in which they have raised their families after they retire. Challenges facing aging baby boomers include limited affordable and accessible housing alternatives; difficulties in keeping up with home maintenance; limited accessibility within their homes and communities; safety and security; transportation and mobility; and economics, as the costs of transportation, health care, and housing skyrocket.

The region’s elected officials, planners, service providers, and the private sector must plan now to accommodate the coming “senior boom.” Federal, state, county, and local officials need to work together, in cooperation with the private sector, to ensure that all of the County’s seniors, including those who want to age in place, remain mobile as long as possible and are able to access the services they need to maintain a high quality of life as they grow older.

The current memorandum was completed specifically for the Bucks County Area Agency on Aging (BCAAA). Information in this memorandum, including a demographic overview; the locations of existing senior housing and medical facilities; existing transportation facilities and services; and a discussion of transportation safety, will be used by the BCAA as they work to meet the needs of the County's seniors. Opportunities for new or expanded senior services should be explored, for example, in areas of the County shown to have concentrations of older residents, including Bristol Borough and Bristol, Bensalem, Falls, and Middletown townships. This information will also be used by the BCAA's Senior Task Force as they plan a Fall 2008 forum to address and improve the mobility of the County's older residents.

Appendix A

Bucks County Population Statistics, 2000

Appendix A: Bucks County Population Statistics, 2000 (by Municipality, Census Tract, and Block Group)

Census geography		Total population	Population under 55 Years	Population 55 to 64 Years	Population 65 Years and Over	Population 65 to 74 Years	Population 75 to 84 Years	Population 85 Years and Older	Area (square Miles)	People 65 years and older per sq. mile
Census tract	Block group									
Bedminster Township		4,804	3,709	483	612	338	228	46	31.12	20
1040.00	1	2,187	1,657	209	321	199	83	39	17.94	18
1040.00	2	2,617	2,052	274	291	139	145	7	13.18	22
Bensalem Township		58,434	46,656	5,407	6,371	3,357	2,280	734	20.94	304
1001.02	1	1,089	870	77	142	110	22	10	2.37	60
1001.02	2	1,682	1,199	211	272	123	130	19	1.48	184
1001.03	1	1,173	951	78	144	69	47	28	0.33	437
1001.03	2	1,371	1,112	123	136	68	57	11	0.33	406
1001.04	1	1,595	1,349	98	148	84	64	0	0.48	311
1001.04	2	2,846	2,091	419	336	250	78	8	0.30	1,113
1001.05	1	766	605	87	74	28	46	0	0.18	419
1001.05	2	1,079	630	180	269	144	88	37	0.37	726
1001.05	3	1,471	1,009	134	328	151	133	44	0.47	692
1002.01	1	863	715	82	66	43	14	9	0.16	418
1002.01	2	1,337	1,094	91	152	34	71	47	0.39	394
1002.01	3	1,109	790	146	173	79	88	6	0.69	252
1002.01	4	1,013	669	118	226	134	52	40	1.33	169
1002.06	1	1,506	1,336	131	39	39	0	0	1.27	31
1002.06	2	2,085	1,683	162	240	158	55	27	0.37	651
1002.06	3	856	680	94	82	50	20	12	0.18	459
1002.07	1	1,713	1,483	160	70	60	10	0	0.70	99
1002.07	2	2,129	1,456	304	369	237	122	10	1.33	278
1002.08	1	1,935	1,445	194	296	203	63	30	0.28	1,057
1002.08	2	1,708	1,434	107	167	58	64	45	0.31	539
1002.08	3	1,117	842	154	121	50	50	21	0.45	268
1002.08	4	1,681	1,563	49	69	31	38	0	0.54	128
1002.09	1	953	797	81	75	40	35	0	0.44	169
1002.09	2	3,102	2,607	220	275	177	98	0	0.71	389
1002.09	3	1,309	1,021	144	144	71	55	18	0.29	500
1002.09	4	2,594	2,228	221	145	65	80	0	0.42	346
1002.10	1	2,114	1,892	134	88	60	28	0	0.48	185
1002.10	2	730	442	99	189	140	42	7	0.59	320
1002.10	3	1,049	923	91	35	28	0	7	0.31	111
1002.10	4	1,292	1,077	141	74	28	32	14	0.54	136
1002.11	5	2,233	1,852	209	172	97	67	8	0.65	265
1002.11	1	1,902	1,571	118	213	123	83	7	0.33	640
1002.11	2	484	328	48	108	39	55	14	0.21	521
1002.11	3	2,222	1,537	166	519	79	218	222	0.34	1,538
1002.11	4	1,930	1,615	230	85	36	42	7	0.30	288
1002.12	1	2,281	2,034	121	126	55	45	26	0.72	174
1002.12	2	2,115	1,726	185	204	116	88	0	0.31	665
Bridgeton Township		1,408	1,073	150	185	104	65	16	6.70	28
1038.00	1	1,408	1,073	150	185	104	65	16	6.70	28
Bristol Borough		9,902	7,593	692	1,617	843	616	158	1.85	876
1005.00	1	980	716	109	155	101	38	16	0.25	612
1005.00	2	1,630	1,196	96	338	150	147	41	0.42	808
1006.00	1	1,320	1,135	49	136	56	67	13	0.09	1,439
1006.00	2	522	345	34	143	71	45	27	0.08	1,840
1006.00	3	1,098	821	102	175	98	60	17	0.19	934
1006.00	4	1,009	625	96	288	153	120	15	0.08	3,594
1007.00	1	947	714	67	166	83	77	6	0.17	993
1007.00	2	669	549	34	86	61	19	6	0.09	952
1007.00	3	1,014	879	73	62	18	39	5	0.13	492
1007.00	4	713	613	32	68	52	4	12	0.35	193

	Census geography		Total population	Population under 55 Years	Population 55 to 64 Years	Population 65 Years and Over	Population 65 to 74 Years	Population 75 to 84 Years	Population 85 Years and Older	Area (square Miles)	People 65 years and older per sq. mile
	Census tract	Block group									
Bristol Township			55,542	44,195	4,417	6,930	3,943	2,540	447	17.22	402
1003.02	1		747	633	68	46	29	17	0	2.19	21
1003.02	2		1,697	1,433	109	155	115	31	9	0.57	273
1003.02	3		1,083	872	73	138	65	73	0	0.44	317
1003.02	4		1,014	739	123	152	72	75	5	0.13	1,150
1003.02	5		577	451	48	78	43	35	0	0.20	400
1003.03	1		1,319	1,030	82	207	119	62	26	0.88	236
1003.03	2		1,384	937	167	280	61	136	83	0.52	539
1003.03	3		506	361	60	85	34	44	7	0.10	828
1003.03	4		1,987	1,642	128	217	148	51	18	1.04	208
1003.04	1		2,450	2,069	192	189	111	65	13	1.58	120
1003.06	1		2,076	1,797	72	207	109	98	0	0.32	640
1003.06	2		1,538	1,139	145	254	166	55	33	0.32	792
1003.07	1		1,628	1,422	61	145	87	42	16	0.15	965
1003.07	2		772	560	82	130	41	75	14	0.15	887
1003.07	3		1,253	1,006	112	135	85	44	6	0.41	329
1003.07	4		1,372	1,106	150	116	90	26	0	0.23	496
1004.01	1		666	545	25	96	23	73	0	0.08	1,191
1004.01	2		493	355	46	92	54	38	0	0.10	925
1004.01	3		769	631	51	87	60	27	0	0.12	745
1004.01	4		930	739	88	103	72	29	2	0.19	529
1004.01	5		830	663	38	129	87	35	7	0.07	1,889
1004.02	6		2,223	1,800	233	190	95	84	11	0.37	520
1004.02	7		688	570	22	96	90	6	0	0.32	297
1004.02	1		654	583	22	49	49	0	0	0.10	501
1004.02	2		686	589	19	78	50	28	0	0.11	723
1004.02	3		792	621	37	134	104	18	12	0.22	619
1004.02	4		1,304	935	140	229	117	95	17	0.20	1,141
1004.02	5		1,066	815	66	185	94	73	18	0.10	1,922
1004.03	6		637	549	7	81	38	43	0	0.22	364
1004.03	7		627	430	78	119	52	67	0	0.23	527
1004.03	8		809	616	111	82	82	0	0	0.14	585
1004.03	1		851	552	123	176	84	79	13	0.85	207
1004.03	2		1,299	1,064	68	167	79	70	18	0.93	180
1004.04	1		716	585	43	88	37	44	7	0.11	772
1004.04	2		684	503	53	128	78	50	0	0.16	812
1004.04	3		688	511	59	118	70	41	7	0.12	971
1004.04	4		1,087	860	36	191	133	24	34	0.17	1,135
1004.05	5		626	464	92	70	24	37	9	0.13	548
1004.05	6		1,053	844	89	120	54	59	7	0.12	971
1004.05	7		832	683	62	87	56	31	0	0.22	394
1004.05	8		621	437	80	104	57	47	0	0.11	949
1004.06	1		3,137	2,653	223	261	162	73	26	0.96	272
1004.06	2		965	738	173	54	37	17	0	0.12	436
1004.07	1		804	624	53	127	87	31	9	0.18	695
1004.07	2		535	372	28	135	48	87	0	0.07	1,866
1004.08	1		1,054	814	138	102	89	8	5	0.36	282
1004.08	2		2,269	1,861	200	208	78	115	15	0.30	692
1004.08	3		1,449	1,163	94	192	104	88	0	0.18	1,085
1004.08	4		1,090	863	61	166	105	61	0	0.16	1,021
1004.08	5		1,205	966	87	152	119	33	0	0.17	875
Buckingham Township			16,442	12,500	1,744	2,198	1,265	724	209	33.08	66
1045.01	1		2,080	1,631	286	163	61	89	13	5.49	30
1045.01	2		6,083	5,400	380	303	165	117	21	3.34	91
1045.01	3		3,973	3,176	460	337	234	68	35	5.17	65
1045.02	1		1,427	1,042	216	169	116	45	8	8.20	21
1045.02	2		2,879	1,251	402	1,226	689	405	132	10.88	113

	Census geography		Total population	Population under 55 Years	Population 55 to 64 Years	Population 65 Years and Over	Population 65 to 74 Years	Population 75 to 84 Years	Population 85 Years and Older	Area (square Miles)	People 65 years and older per sq. mile
	Census tract	Block group									
Chalfont Borough			3,900	3,214	341	345	205	110	30	1.65	209
	1019.00	1	1,016	721	148	147	68	63	16	0.61	241
	1019.00	2	2,884	2,493	193	198	137	47	14	1.04	191
Doylestown Borough			7,407	4,811	678	1,918	630	673	615	1.99	963
	1047.01	2	1,655	816	93	746	149	261	336	0.33	2,271
	1047.01	3	600	367	41	192	95	48	49	0.28	676
	1047.02	1	995	553	91	351	57	165	129	0.17	2,069
	1047.02	2	620	483	75	62	29	23	10	0.11	580
	1047.02	3	1,130	960	105	65	21	19	25	0.26	246
	1047.03	1	1,546	1,066	157	323	204	95	24	0.51	635
	1047.03	2	861	566	116	179	75	62	42	0.33	543
Doylestown Township			17,605	12,319	1,875	3,411	1,375	1,125	911	15.45	221
	1046.01	1	1,814	1,203	316	295	213	74	8	2.01	147
	1046.01	2	2,938	2,179	381	378	235	117	26	3.13	121
	1046.03	1	1,424	1,210	119	95	55	40	0	1.01	94
	1046.03	2	1,690	1,356	138	196	124	38	34	1.49	132
	1046.03	3	3,087	1,886	231	970	308	186	476	3.41	285
	1046.04	1	3,400	2,168	391	841	231	430	180	1.89	445
	1046.04	2	3,252	2,317	299	636	209	240	187	2.50	254
Dublin Borough			2,083	1,793	118	172	96	61	15	0.54	316
	1041.00	1	2,083	1,793	118	172	96	61	15	0.54	316
Durham Township			1,325	1,033	128	164	117	37	10	9.36	18
	1035.00	1	1,325	1,033	128	164	117	37	10	9.36	18
East Rockhill Township			5,199	4,287	449	463	269	164	30	13.09	35
	1023.00	1	2,930	2,338	328	264	189	59	16	5.56	47
	1023.00	2	2,269	1,949	121	199	80	105	14	7.53	26
Falls Township			34,869	27,652	2,747	4,470	2,662	1,436	372	26.54	168
	1058.01	1	1,723	1,602	46	75	40	27	8	1.15	65
	1058.01	2	3,119	2,691	169	259	147	81	31	0.45	576
	1058.01	3	1,965	1,466	301	198	140	41	17	2.07	96
	1058.05	1	1,675	1,459	56	160	97	53	10	0.90	178
	1058.05	2	1,341	1,018	162	161	100	47	14	2.40	67
	1058.05	3	1,344	1,016	140	188	119	69	0	0.23	803
	1058.05	4	1,448	1,143	139	166	93	55	18	0.62	270
	1058.06	1	107	59	32	16	9	3	4	14.23	1
	1058.07	1	2,095	1,578	155	362	204	127	31	0.34	1,054
	1058.07	2	1,411	1,203	71	137	80	37	20	0.28	494
	1058.08	1	1,216	727	198	291	169	122	0	0.41	705
	1058.08	2	1,288	1,043	59	186	101	68	17	0.19	985
	1058.08	3	1,139	913	85	141	77	64	0	0.32	443
	1058.09	1	1,100	792	86	222	109	56	57	0.38	589
	1058.09	2	1,936	1,605	97	234	137	78	19	0.33	709
	1058.09	3	1,444	1,100	175	169	110	50	9	0.51	329
	1058.10	1	1,434	1,168	91	175	128	37	10	0.33	536
	1058.10	2	1,208	944	138	126	69	31	26	0.21	601
	1058.11	1	1,095	858	62	175	116	43	16	0.11	1,646
	1058.11	2	1,568	1,188	125	255	147	98	10	0.19	1,344
	1058.11	3	1,070	890	72	108	69	39	0	0.13	857
	1058.11	4	986	732	77	177	158	19	0	0.18	985
	1058.12	5	1,413	1,152	118	143	68	64	11	0.27	529
	1058.12	1	1,744	1,305	93	346	175	127	44	0.33	1,049

	Census geography		Total population	Population under 55 Years	Population 55 to 64 Years	Population 65 Years and Over	Population 65 to 74 Years	Population 75 to 84 Years	Population 85 Years and Older	Area (square Miles)	People 65 years and older per sq. mile
	Census tract	Block group									
Haycock Township			2,191	1,738	237	216	142	54	20	21.23	10
	1033.00	1	1,371	1,125	127	119	78	33	8	15.16	8
	1033.00	2	820	613	110	97	64	21	12	6.07	16
Hilltown Township			12,102	9,458	1,198	1,446	784	506	156	26.89	54
	1021.02	1	1,220	935	188	97	55	18	24	4.62	21
	1021.02	2	1,910	1,457	184	269	180	78	11	6.07	44
	1021.03	1	1,332	973	162	197	134	49	14	4.65	42
	1021.03	2	2,641	2,342	160	139	50	89	0	3.24	43
	1021.04	1	1,175	766	135	274	71	116	87	3.47	79
	1021.04	2	2,535	2,120	232	183	138	38	7	2.61	70
	1021.04	3	1,289	865	137	287	156	118	13	2.24	128
Hulmeville Borough			893	710	75	108	68	33	7	0.38	281
	1010.00	1	893	710	75	108	68	33	7	0.38	281
Ivyland Borough			469	364	45	60	41	14	5	0.31	195
	1017.00	1	469	364	45	60	41	14	5	0.31	195
Langhorne Borough			1,981	1,627	144	210	108	87	15	0.49	426
	1013.00	1	1,981	1,627	144	210	108	87	15	0.49	426
Langhorne Manor Boro.			927	717	84	126	69	49	8	0.59	212
	1012.00	1	927	717	84	126	69	49	8	0.59	212
Lower Makefield Twp.			32,681	26,030	3,249	3,402	2,019	1,073	310	18.28	186
	1055.01	1	1,312	1,009	159	144	118	26	0	1.00	144
	1055.01	2	1,410	1,252	82	76	66	10	0	2.37	32
	1055.01	3	3,566	3,175	213	178	98	49	31	3.92	45
	1055.01	4	1,865	1,446	197	222	93	103	26	0.82	269
	1055.03	1	4,891	3,654	556	681	478	163	40	1.18	579
	1055.03	2	862	640	71	151	24	94	33	0.32	473
	1055.03	3	3,393	2,831	308	254	157	53	44	1.40	182
	1055.05	1	2,049	1,598	214	237	152	61	24	1.37	172
	1055.05	2	1,885	1,333	243	309	149	140	20	0.85	363
	1055.06	1	1,899	1,728	80	91	31	56	4	1.47	62
	1055.06	2	2,211	1,819	255	137	71	54	12	0.73	187
	1055.07	1	1,325	917	270	138	55	73	10	0.56	245
	1055.07	2	1,905	1,276	255	374	223	106	45	0.70	536
	1055.07	3	1,917	1,637	81	199	157	33	9	0.73	274
	1055.07	4	2,191	1,715	265	211	147	52	12	0.87	243
Lower Southampton Twp.			19,276	14,484	2,050	2,742	1,435	999	308	6.67	411
	1014.01	1	981	712	103	166	63	98	5	0.45	365
	1014.01	2	940	637	98	205	91	80	34	0.57	358
	1014.01	3	822	573	71	178	76	90	12	0.28	629
	1014.01	4	1,244	829	182	233	163	56	14	0.98	239
	1014.03	1	1,819	1,555	155	109	76	26	7	0.66	166
	1014.03	2	1,361	1,032	165	164	92	62	10	0.39	423
	1014.03	3	717	524	90	103	38	33	32	0.22	460
	1014.03	4	440	326	83	31	31	0	0	0.10	311
	1014.04	5	803	615	82	106	49	51	6	0.17	618
	1014.04	6	1,175	907	133	135	76	59	0	0.28	479
	1014.04	1	1,681	1,100	206	375	129	142	104	1.00	376
	1014.04	2	817	641	124	52	22	24	6	0.24	218
	1014.05	1	968	655	163	150	80	31	39	0.29	514
	1014.05	2	830	672	29	129	93	36	0	0.14	935

	Census geography		Total population	Population under 55 Years	Population 55 to 64 Years	Population 65 Years and Over	Population 65 to 74 Years	Population 75 to 84 Years	Population 85 Years and Older	Area (square Miles)	People 65 years and older per sq. mile
	Census tract	Block group									
1014.05	3		2,068	1,613	150	305	146	138	21	0.27	1,113
1014.05	4		1,917	1,509	169	239	185	44	10	0.41	585
1014.06	5		693	584	47	62	25	29	8	0.22	288
Middletown Township			44,141	34,932	3,396	5,813	2,987	2,204	622	19.37	300
1008.03	1		1,541	1,137	196	208	134	67	7	0.40	517
1008.03	2		1,532	1,077	155	300	196	94	10	0.48	628
1008.03	3		1,792	1,529	79	184	138	38	8	0.31	588
1008.04	1		1,362	921	75	366	157	167	42	0.32	1,138
1008.04	2		778	502	56	220	163	51	6	0.17	1,316
1008.04	3		649	484	70	95	48	47	0	0.19	499
1008.04	4		984	753	96	135	63	57	15	0.31	430
1008.05	1		583	435	15	133	69	64	0	0.09	1,433
1008.05	2		1,080	926	39	115	47	68	0	0.17	658
1008.05	3		903	680	66	157	83	74	0	0.37	421
1008.05	4		931	641	146	144	117	27	0	0.11	1,278
1008.06	5		672	479	85	108	84	24	0	0.17	623
1008.06	6		655	465	54	136	96	40	0	0.09	1,566
1008.06	7		1,457	1,174	107	176	98	78	0	0.48	365
1008.07	1		46	46	0	0	0	0	0	0.51	0
1008.07	2		3,123	1,903	294	926	306	379	241	2.85	325
1008.08	1		2,170	1,857	127	186	58	65	63	1.15	162
1008.08	2		2,171	1,620	132	419	190	229	0	0.88	474
1008.08	3		1,001	701	64	236	56	91	89	1.80	131
1008.09	1		1,004	914	56	34	23	11	0	0.81	42
1008.09	2		1,639	1,472	74	93	69	19	5	0.82	114
1008.09	3		2,301	2,139	138	24	5	9	10	1.44	17
1008.10	1		1,010	780	102	128	41	67	20	0.27	466
1008.10	2		1,474	1,265	106	103	34	69	0	0.51	202
1008.10	3		989	773	105	111	79	20	12	0.22	508
1008.11	1		1,438	1,330	65	43	19	7	17	0.20	215
1008.11	2		1,002	876	91	35	27	8	0	0.30	118
1008.11	3		2,021	1,568	131	322	177	125	20	0.24	1,315
1009.00	1		3,007	2,295	394	318	200	109	9	1.37	233
1009.00	2		1,646	1,425	134	87	82	5	0	0.56	155
1009.00	3		3,180	2,765	144	271	128	95	48	1.75	155
Milford Township			8,810	7,002	794	1,014	524	413	77	28.07	36
1028.01	1		1,978	1,628	198	152	67	79	6	4.40	35
1028.01	2		1,118	910	82	126	89	37	0	6.52	19
1028.02	1		2,259	1,652	209	398	148	183	67	9.10	44
1028.02	2		1,615	1,339	136	140	62	78	0	1.27	110
1028.02	3		1,840	1,473	169	198	158	36	4	6.78	29
Morrisville Borough			10,019	8,109	723	1,187	636	429	122	1.97	603
1057.02	1		2,034	1,732	73	229	114	94	21	0.61	377
1057.02	2		644	463	113	68	42	26	0	0.28	241
1057.02	3		644	509	48	87	62	10	15	0.17	516
1057.04	1		1,147	897	117	133	33	89	11	0.29	459
1057.04	2		1,545	1,050	181	314	144	120	50	0.19	1,686
1057.04	3		2,109	1,776	87	246	131	90	25	0.28	884
1057.04	4		1,896	1,682	104	110	110	0	0	0.16	705
New Britain Borough			3,125	2,579	267	279	163	90	26	1.27	219
1048.00	1		1,919	1,610	148	161	85	57	19	0.62	259
1048.00	2		1,206	969	119	118	78	33	7	0.65	181

	Census geography		Total population	Population under 55 Years	Population 55 to 64 Years	Population 65 Years and Over	Population 65 to 74 Years	Population 75 to 84 Years	Population 85 Years and Older	Area (square Miles)	People 65 years and older per sq. mile
	Census tract	Block group									
New Britain Township			10,698	8,294	1,108	1,296	824	376	96	15.24	85
1020.02	1		1,417	1,070	180	167	74	65	28	4.94	34
1020.02	2		1,417	1,230	85	102	79	14	9	3.43	30
1020.03	1		1,685	1,276	244	165	99	58	8	3.59	46
1020.03	2		2,097	1,712	171	214	163	39	12	1.23	174
1020.04	1		2,154	1,523	181	450	292	138	20	0.83	542
1020.04	2		843	527	164	152	82	56	14	0.25	618
1020.04	3		1,085	956	83	46	35	6	5	0.97	47
New Hope Borough			2,252	1,740	258	254	161	81	12	1.43	178
1044.00	1		2,252	1,740	258	254	161	81	12	1.43	178
Newtown Borough			2,312	1,706	233	373	146	128	99	0.55	678
1053.00	1		979	744	120	115	57	49	9	0.26	438
1053.00	2		587	466	58	63	42	21	0	0.12	529
1053.00	3		746	496	55	195	47	58	90	0.17	1,160
Newtown Township			18,245	15,479	1,248	1,518	795	522	201	11.95	127
1052.02	1		2,684	2,305	165	214	89	111	14	0.70	308
1052.02	2		884	740	68	76	57	19	0	0.26	295
1052.02	3		1,744	1,116	260	368	226	114	28	1.49	247
1052.03	1		2,102	1,829	182	91	46	34	11	3.27	28
1052.04	1		1,981	1,587	201	193	152	27	14	1.19	162
1052.04	2		4,615	4,194	190	231	135	82	14	1.47	158
1052.04	3		4,235	3,708	182	345	90	135	120	3.57	97
Nockamixon Township			3,517	2,794	388	335	211	93	31	22.57	15
1037.00	1		2,004	1,669	137	198	148	37	13	13.47	15
1037.00	2		1,513	1,125	251	137	63	56	18	9.09	15
Northampton Township			40,179	31,915	4,230	4,034	2,138	1,355	541	26.37	153
1050.03	1		1,243	900	120	223	145	78	0	0.52	427
1050.03	2		2,005	1,518	292	195	131	55	9	2.41	81
1050.03	3		1,785	1,396	233	156	34	27	95	1.91	82
1050.04	1		2,732	2,170	291	271	89	116	66	1.23	221
1050.04	2		1,690	1,237	289	164	112	42	10	0.81	202
1050.04	3		1,205	847	144	214	119	89	6	1.63	131
1050.06	1		974	753	50	171	116	53	2	0.50	344
1050.06	2		1,675	1,372	186	117	83	34	0	0.69	171
1050.06	3		2,155	1,599	292	264	178	66	20	0.98	269
1050.06	4		1,131	986	95	50	28	22	0	1.46	34
1050.07	1		1,222	833	183	206	100	79	27	0.62	330
1050.07	2		2,045	1,428	325	292	184	81	27	0.74	395
1050.07	3		2,337	1,862	251	224	166	51	7	1.36	165
1047.01	1		834	602	74	158	64	68	26	0.28	560
1050.07	4		2,800	2,481	219	100	66	27	7	1.26	80
1050.08	1		1,732	1,490	102	140	79	61	0	2.86	49
1050.08	2		1,222	965	162	95	81	14	0	3.47	27
1050.09	1		1,793	1,554	117	122	63	34	25	0.34	358
1050.09	2		1,827	940	320	567	142	240	185	0.65	874
1050.10	1		1,991	1,830	131	30	24	6	0	0.40	75
1050.10	2		1,959	1,715	142	102	63	30	9	0.81	126
1050.11	1		3,822	3,437	212	173	71	82	20	1.45	119
Penndel Borough			2,420	1,943	170	307	159	122	26	0.44	704
1011.00	1		1,101	959	55	87	47	40	0	0.18	477
1011.00	2		1,319	984	115	220	112	82	26	0.25	866

	Census geography		Total population	Population under 55 Years	Population 55 to 64 Years	Population 65 Years and Over	Population 65 to 74 Years	Population 75 to 84 Years	Population 85 Years and Older	Area (square Miles)	People 65 years and older per sq. mile
	Census tract	Block group									
Perkasie Borough			8,828	7,270	602	956	497	362	97	2.60	368
1024.00	1		1,996	1,529	178	289	133	136	20	0.38	768
1024.00	2		714	559	48	107	46	29	32	0.07	1,473
1024.00	3		1,942	1,682	102	158	88	51	19	0.76	208
1024.00	4		1,839	1,406	190	243	129	88	26	0.76	318
1024.00	5		2,337	2,094	84	159	101	58	0	0.63	253
Plumstead Township			11,409	9,760	869	780	483	264	33	27.19	29
1042.00	1		4,018	3,559	182	277	166	90	21	6.15	45
1042.00	2		4,356	3,764	328	264	170	94	0	7.83	34
1042.00	3		3,035	2,437	359	239	147	80	12	13.21	18
Quakertown Borough			8,931	6,894	671	1,366	546	539	281	2.02	676
1031.01	1		724	543	64	117	68	34	15	0.11	1,024
1031.01	2		1,069	919	61	89	29	44	16	0.18	496
1031.01	3		631	494	32	105	25	73	7	0.14	734
1031.02	1		732	609	69	54	23	25	6	0.18	295
1031.02	2		813	546	105	162	84	67	11	0.29	556
1031.02	3		589	474	49	66	41	19	6	0.12	540
1031.03	1		2,475	1,595	220	660	246	243	171	0.59	1,120
1031.03	2		1,898	1,714	71	113	30	34	49	0.40	284
Richland Township			9,920	7,785	767	1,368	732	512	124	20.49	67
1030.01	1		2,327	1,765	148	414	227	155	32	2.94	141
1030.01	2		2,367	1,920	230	217	114	76	27	5.04	43
1030.02	1		1,397	910	104	383	205	150	28	3.42	112
1030.02	2		765	545	121	99	77	22	0	3.61	27
1030.02	3		1,588	1,362	94	132	66	48	18	4.47	30
1030.02	4		1,476	1,283	70	123	43	61	19	1.02	121
Richlandtown Borough			1,283	990	74	219	66	72	81	0.25	860
1032.00	1		1,283	990	74	219	66	72	81	0.25	860
Riegelsville Borough			851	648	84	119	57	46	16	1.05	113
1036.00	1		851	648	84	119	57	46	16	1.05	113
Sellersville Borough			4,595	3,957	315	323	174	132	17	1.17	275
1025.00	1		1,808	1,507	164	137	72	60	5	0.42	325
1025.00	2		848	732	51	65	38	27	0	0.32	203
1025.00	3		1,939	1,718	100	121	64	45	12	0.43	280
Silverdale Borough			1001	866	74	61	40	17	4	0.45	135
1022.00	1		1,001	866	74	61	40	17	4	0.45	135
Solebury Township			7,743	5,736	1,121	886	516	277	93	27.21	33
1043.00	1		2,671	1,940	438	293	191	95	7	10.87	27
1043.00	2		1,735	1,356	198	181	77	35	69	5.24	35
1043.00	3		1,070	847	162	61	33	20	8	3.97	15
1043.00	4		1,340	952	172	216	122	85	9	3.36	64
1043.00	5		927	641	151	135	93	42	0	3.77	36
Springfield Township			4,963	3,688	631	644	376	238	30	30.76	21
1034.00	1		2,065	1,534	286	245	179	66	0	15.55	16
1034.00	2		1,591	1,187	211	193	103	65	25	7.92	24
1034.00	3		1,307	967	134	206	94	107	5	7.29	28

	Census geography		Total population	Population under 55 Years	Population 55 to 64 Years	Population 65 Years and Over	Population 65 to 74 Years	Population 75 to 84 Years	Population 85 Years and Older	Area (square Miles)	People 65 years and older per sq. mile
	Census tract	Block group									
Telford Borough			2,180	1,454	116	610	200	225	185	0.53	1,152
1026.00	1		2,180	1,454	116	610	200	225	185	0.53	1,152
Tinicum Township			4,206	3,072	547	587	347	199	41	31.15	19
1039.00	1		962	720	94	148	71	60	17	9.12	16
1039.00	2		1,013	722	122	169	109	48	12	8.11	21
1039.00	3		1,042	714	220	108	72	30	6	7.56	14
1039.00	4		1,189	916	111	162	95	61	6	6.36	25
Trumbauersville			1,059	852	85	122	87	31	4	0.43	285
1029.00	1		1,059	852	85	122	87	31	4	0.43	285
Tullytown Borough			2,031	1,522	161	348	185	126	37	2.09	166
1059.00	1		588	445	40	103	64	26	13	1.60	64
1059.00	2		717	495	38	184	86	76	22	0.21	880
1059.00	3		726	582	83	61	35	24	2	0.29	213
Upper Makefield Twp.			7,180	5,500	943	737	451	211	75	21.54	34
1054.00	1		1,573	1,265	214	94	63	31	0	1.54	61
1054.00	2		2,059	1,514	251	294	163	66	65	5.90	50
1054.00	3		3,548	2,721	478	349	225	114	10	14.10	25
Upper Southampton Twp.			15,764	10,637	2,074	3,053	1,595	1,036	422	6.61	462
1015.03	1		1,928	1,260	327	341	187	121	33	1.00	341
1015.03	2		2,036	1,406	255	375	262	105	8	0.99	378
1015.04	1		2,977	1,711	297	969	279	389	301	0.99	984
1015.05	1		2,470	1,815	309	346	215	119	12	1.02	340
1015.05	2		941	672	133	136	82	45	9	0.81	167
1015.06	1		733	441	111	181	142	39	0	0.19	944
1015.06	2		882	674	103	105	30	67	8	0.76	138
1015.06	3		1,467	1,112	141	214	123	62	29	0.29	743
1015.06	4		1,171	779	174	218	147	60	11	0.28	782
1015.06	5		1,159	767	224	168	128	29	11	0.28	599
Warminster Township			31,406	23,232	3,415	4,759	2,827	1,547	385	10.24	465
1016.03	1		1,145	923	109	113	49	44	20	0.36	315
1016.03	2		884	676	88	120	80	40	0	0.13	924
1016.03	3		1,046	807	79	160	98	58	4	0.29	558
1016.05	1		532	399	58	75	40	35	0	0.12	643
1016.05	2		2,318	2,069	78	171	128	34	9	0.33	525
1016.05	3		1,346	1,048	114	184	111	66	7	0.38	484
1016.07	1		1,210	311	192	707	332	258	117	0.26	2,699
1016.07	2		1,950	1,366	226	358	218	112	28	0.77	468
1016.08	1		2,171	1,661	227	283	187	75	21	0.44	645
1016.08	2		2,484	2,038	217	229	132	75	22	1.65	139
1016.09	1		2,097	1,637	229	231	173	51	7	0.65	355
1016.09	2		1,583	1,250	150	183	111	65	7	0.85	214
1016.09	3		1,073	672	257	144	98	35	11	0.22	645
1016.10	1		2,039	1,619	172	248	178	39	31	0.62	398
1016.10	2		1,989	1,312	366	311	225	64	22	1.09	286
1016.10	3		875	643	126	106	38	63	5	0.13	793
1016.11	1		2,615	1,775	313	527	281	198	48	0.88	598
1016.11	2		1,283	890	137	256	150	88	18	0.43	598
1016.11	3		2,766	2,136	277	353	198	147	8	0.64	549

	Census geography		Total population	Population under 55 Years	Population 55 to 64 Years	Population 65 Years and Over	Population 65 to 74 Years	Population 75 to 84 Years	Population 85 Years and Older	Area (square Miles)	People 65 years and older per sq. mile
	Census tract	Block group									
Warrington Township			17,580	14,682	1,397	1,501	939	458	104	13.76	109
1018.02	1		4,128	3,657	224	247	153	88	6	5.00	49
1018.03	1		3,634	2,919	326	389	237	133	19	4.55	86
1018.03	2		1,307	1,024	132	151	110	25	16	1.08	140
1018.04	1		2,614	2,061	246	307	161	104	42	1.15	267
1018.04	2		3,891	3,409	225	257	159	84	14	1.23	208
1018.04	3		2,006	1,612	244	150	119	24	7	0.74	202
Warwick Township			11,977	10,429	833	715	481	186	48	11.13	64
1049.01	1		2,287	2,088	91	108	79	23	6	1.35	80
1049.01	2		4,015	3,459	314	242	161	75	6	2.91	83
1049.02	1		5,675	4,882	428	365	241	88	36	6.88	53
West Rockhill Township			4,233	2,868	466	899	358	391	150	16.37	55
1027.00	1		1,187	586	77	524	138	238	148	2.36	222
1027.00	2		1,964	1,508	289	167	106	61	0	11.14	15
1027.00	3		1,082	774	100	208	114	92	2	2.87	72
Wrightstown Township			2,839	2,253	302	284	182	75	27	9.95	29
1051.00	1		2,839	2,253	302	284	182	75	27	9.95	29
Yardley Borough			2,498	1,917	212	369	191	153	25	1.01	364
1056.00	1		2,498	1,917	212	369	191	153	25	1.01	364

Source: United States Census Bureau (2000 Census of Population and Housing), March 2008.

Appendix B

Bucks County Senior Housing Facilities

Appendix B: Bucks County Senior Housing Facilities

Type of Community	Name	Address	Municipality	Units*
Housing Authority Owned	Bensalem Woods	2300 Byberry Road	Bensalem	48
	Grundy Hall	1290 Almshouse Road	Doylestown	144
	Grundy Manor	111 East Lincoln Avenue	Telford	120
	Grundy House	1611 Park Avenue	Quakertown	137
	Grundy Towers	205 Pond Street	Bristol	185
	Grundy Gardens	430 S. Olds Blvd.	Fairless Hills	130
	Shadywood Village	812 Shadywood Drive	Perkasie	128
	McIntosh Regency	185 Kenwood Drive North	Levittown	100
Private/Government-Assisted	Creekside	2500 Knights Road	Bensalem	---
	Bristol Gardens	1405 New Rodgers Road	Bristol	---
	Foxwood Manor	2180 New Rodgers Road	Levittown	---
	Country Commons	3338 Richelieu Road	Bensalem	---
	Lakeview Terrace	251 South Olds Blvd.	Fairless Hills	---
	Levittown Trace	Route 413 & Ford Road	Bristol	---
Private/ (Subsidized and Non-Subsidized)	Center Square Towers	555 N. Broad Street	Doylestown	352
	Galilee Village	17 Penn Valley Road	Levittown	120
	Gloria Dei Plaza	460 S. State Street	Newtown	111
	Charter Arms	One Potter Street	Warminster	---
	Morrisville Presbyterian Tower	1 Hillcrest Avenue	Morrisville	100
	Pleasant Grove Apartments	1380 Fairground Road	Hatfield	---
	Bensalem Presbyterian Apts.	1900 Byberry Road	Bensalem	53
	Lamont Plaza	460 S. Olds Boulevard	Fairless Hills	---
	New Hope Manor	44 N. Sugan Rd	New Hope	100
Life Care Communities	Friends Village	331 Lower Dolington Road	Newtown	40
	Heritage Towers	200 Veterans Lane	Doylestown	389
	Pennswood Village	1382 Newtown-Langhorne Road	Newtown	405
	Attleboro Retirement Village	290 E. Winchester Avenue	Langhorne	417
	Rockhill Mennonite	3250 State Road	Sellersville	393
	Pine Run Community	777 Ferry Road	Doylestown	536
	Southampton Estates	238 Street Road	Southampton	527
	Twining Village	Middle Holland Road	Holland	426
	Wood River Village	Hulmeville & Bensalem Blvd.	Bensalem	360
	Lutheran Home at Telford	235 N. Washington Avenue	Telford	386
Age-Restricted Communities	Bensalem River View Condos	Street and State Rds.	Bensalem	100
	Jackson Village	Taft Avenue and Gibson Road	Bensalem	12
	Villas at Chancellor's Glen	Hulmeville Road	Bensalem	174
	Villas at Regents' Glen	Byberry Road	Bensalem	68
	Salem Manor	Gibson Road	Bensalem	120
	Villages at Salem Manor	Gibson Road	Bensalem	20
	Woodhaven Hills	Woodhaven Road	Bensalem	54
	Villas at Riverview	Radcliffe Street	Bristol	56
	Hearthstone at West Bristol	Morris, Mott and Steele Aves.	Bristol	116
	Villages of Buckingham Springs	Durham Road	Buckingham	646
	Villages of Doylestown	Route 202 and Route 611 Bypass	Doylestown	60
	Avenrowe Retirement Community	Trenton Road and Pennsylvania Ave	Falls	82
	Esther's Mobile Homes	Lincoln Highway/Oxford Valley Road	Falls	18
	The Village at Dorchester	Bethlehem Pike, Keystone Drive	Hilltown	88
	Quiet Acres	Orchard Road	Hilltown	113
	Heathergate	Woodbourne Road	Middletown	202
	Morningside Development	Woodbourne Road	Middletown	14
	Villages and Villas of Flowers Mill	North Flowers Mill Road	Middletown	775
	Villas at Shady Brook	Village Road and Township Line Road	Middletown	300
	New Hope Manor	Sugan Road and Route 179	New Hope	100
	Lakeview Estates	Eagle/Washington Crossing Rds.	Newtown	58
	Lafayette Quarters	Durham Road	Newtown	120

Type of Community	Name	Address	Municipality	Units*
Age-Restricted Communities (continued)	The Quarters at Newtown Gate	State Street and Route 332	Newtown	59
	Holland Preserve	Buck Road	Northampton	64
	Ivygreene at Northampton	Bristol Road and Jacksonville Road	Northampton	156
	Legacy Oaks at Northampton	Almshouse Road and Friesland Drive	Northampton	72
	Villages of Northampton	Newtown Road and Richboro Road	Northampton	56
	Northampton Gate	Route 332 and Street Leonard Road	Northampton	216
	Constitution Square	East Walnut Street/Constitution Avenue	Perkasie	150
	Valley View	Benner Ave and Route 563	Perkasie	90
	Front Gate	Station Road	Richland	402
	Morgan Creek	West Paletown Road	Richland	144
	Renaissance at Morgan Creek	Station Road	Richland	142
	Fox Run Preserve	Aquetong Road and Route 202	Solebury	132
	Gray Tract	Creamery Road and Stoopville Road	Upper Makefield	96
	Traditions of Washington Crossing	Taylorville/Washington Crossing Rds.	Upper Makefield	221
	Ann's Choice	Ann's Choice Way	Warminster	1,863**
	Centennial Station	Street Road	Warminster	402
	222 Norristown Road	Norristown Road	Warminster	49
	Villas of Flowers Mill at Five Ponds	Street Road and Delmont Avenue	Warminster	244
	Blue Stone Creek	Kansas Road and County Line Road	Warrington	240
	Lamplighter Village	Street Road and Folly Road	Warrington	150
	Lamplighter Villas	Phillips Avenue	Warrington	106
	Legacy Oaks at Warrington	Street Road and Folly Road	Warrington	241
	Forrest Ridge	Bristol Road and Pickertown Road	Warrington	132
	Meridian at Valley Square	Street Road and Easton Road	Warrington	200
	Heritage Creek	Creek Road	Warwick	522
	Yorktown Adult Community	Old York Road and Myer Way	Warwick	64
	Village at Rosecliffe	Detwiler Road and Route 152	West Rockhill	70
Yardley Point	West College Avenue	Yardley	30	

Source: Bucks County Area Agency on Aging, March 2008. *In life care communities, the number of units includes independent living and assisted living apartments as well as skilled nursing care accommodations. ** Total units at completion of Ann's Choice.

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ABSTRACT: The number of elderly residents has increased dramatically throughout the nation and the Delaware Valley in recent years, and is expected to continue to increase at a record pace. DVRPC's *Getting Older and Getting Around* (report #99015) considered accessibility and mobility needs of the region's elderly. *The Aging of the Baby Boomers: Housing Seniors in the Delaware Valley* extended that work by considering issues related to housing for the elderly, as a means of offering guidance to county and municipal officials faced with a growing suburban elderly population.

The Bucks County Commissioners' Senior Task Force and the Bucks County Area Agency on Aging (BCAAA) recognize that the mobility and safety of older adults are planning priorities of the Delaware Valley Regional Planning Commission. In Fall 2008, the Bucks County Senior Task Force will hold a forum to address and improve the mobility of the County's older residents and, by doing so, ultimately improve mobility across all ages. In preparation for the Fall 2008 forum, the Bucks County Area Agency on Aging (BCAAA) asked DVRPC to assist in the development and compilation of a survey to assess mobility issues facing the County's older adults. This survey will help determine the immediate and long-term needs and issues that define the health and mobility of adults as they age while also engaging local municipalities.

As background information for the survey, DVRPC staff prepared this report, the purpose of which is to provide a brief synopsis and analysis of Bucks County senior demographics and transportation statistics. This document includes an overview of demographics related to the County's senior residents; maps illustrating the locations of existing senior housing and medical facilities as well as existing transportation facilities and services; and a discussion of transportation safety, including an analysis of senior-involved crash data. This information will be used by the BCAA's Senior Task Force as they plan their Fall 2008 forum.

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