Case Study Series

PENNSYLVANIA

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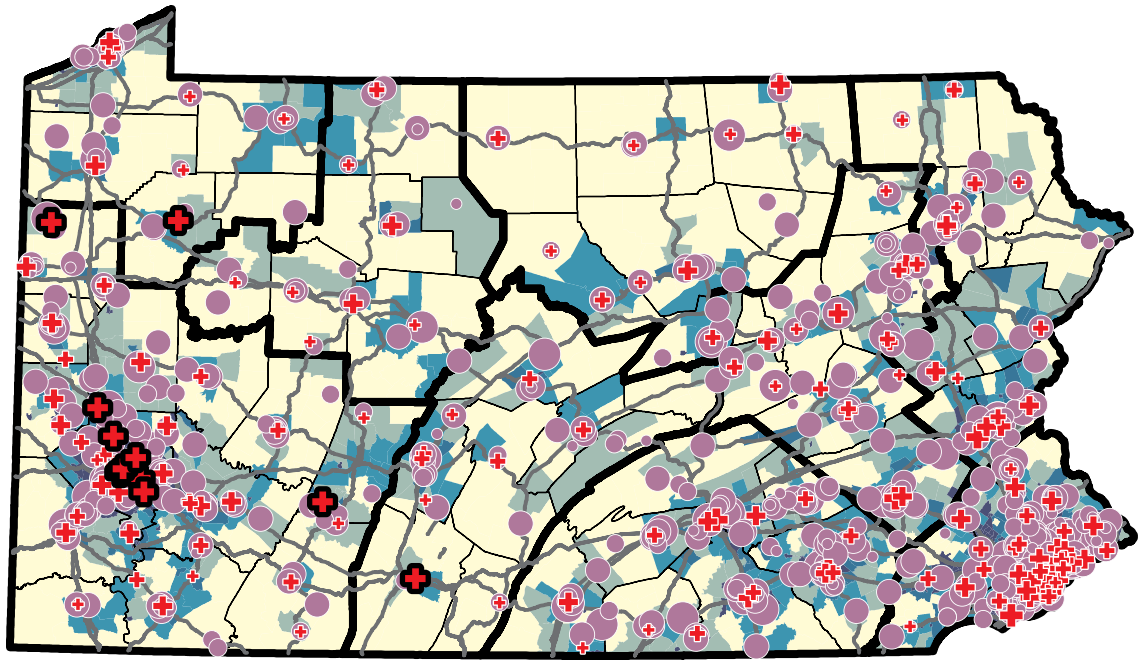
Nursing Homes and Hospitals Serving the Resident Population



Percentage of Population Living in an Urban Area

- 90.0% or More
- 70.0% to 89.9%
- 40.0% to 69.9%
- 10.0% to 39.9%
- Less than 9.9%

County Boundary

HRSA BT Planning Region

Roads

Number of SNF/NF Beds

- 200 or More
- 100 to 199
- 50 to 99
- Fewer than 50

Number of Hospital Beds

- 500 or More
- 200 to 499
- 100 to 199
- Fewer than 100

Red symbols outlined in black ( ) indicate UPMC Health System Hospitals

Red symbols ( ) indicate other hospitals

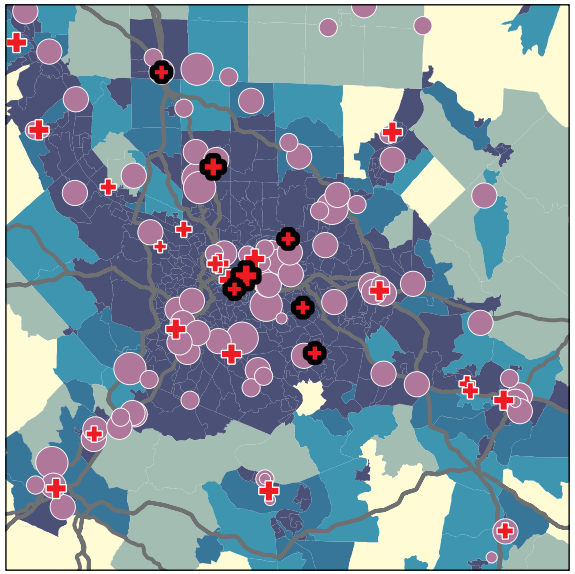
This map depicts the size and location of hospitals and nursing homes relative to the State's urban population. The analysis in this Atlas for Pennsylvania is based on 172 general medical and surgical hospitals and 717 nursing homes distributed over 67 counties.

Pennsylvania is dominated by two urban centers: Philadelphia, in the southeastern corner of the State, and Pittsburgh, in southwestern Pennsylvania. The State has several other significantly large cities, such as Allentown and Erie, but the urban population and hospitals and nursing homes are clustered around Philadelphia and Pittsburgh and their environs.

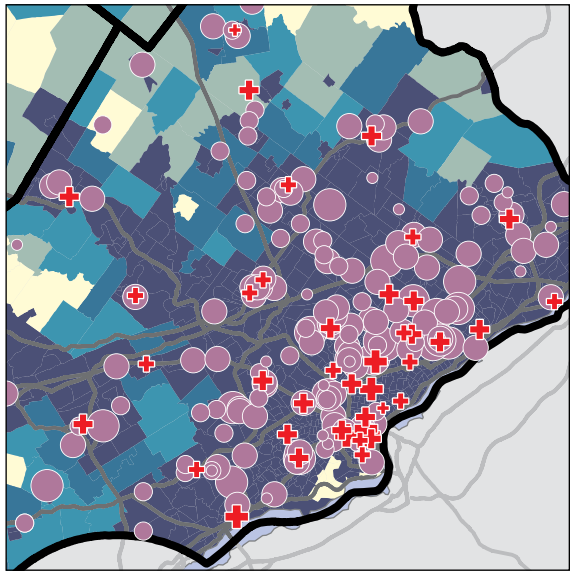
Hospitals and nursing homes across the State appear to follow major transportation routes, although some isolated facilities exist in the more rural areas. The central and northern parts of Pennsylvania are the least urban, reflected by the scarcity of major transportation routes and health care facilities. From this map, it appears that hospitals tend to have nursing homes in their general vicinities, which may increase health care capacity in the event of an emergency.

Major Cities

Pittsburgh



Philadelphia



These maps show greater detail for the two major urban areas in Pennsylvania, Pittsburgh and Philadelphia. Pittsburgh is in southwestern Pennsylvania, while Philadelphia is located in the southeast of the State. As with the State-level map, the percentage of the population in urban and rural areas is shown by census tract, along with the size and location of nursing homes and hospitals. These smaller city maps are useful for looking at the distribution of resources in areas with a high density of nursing homes and hospitals.

Both metropolitan regions are heavily bedded in terms of hospitals and nursing homes. However, Philadelphia's facilities outnumber those of Pittsburgh due to its larger size and population. Generally, nursing homes appear to be located near hospitals in these urban areas.

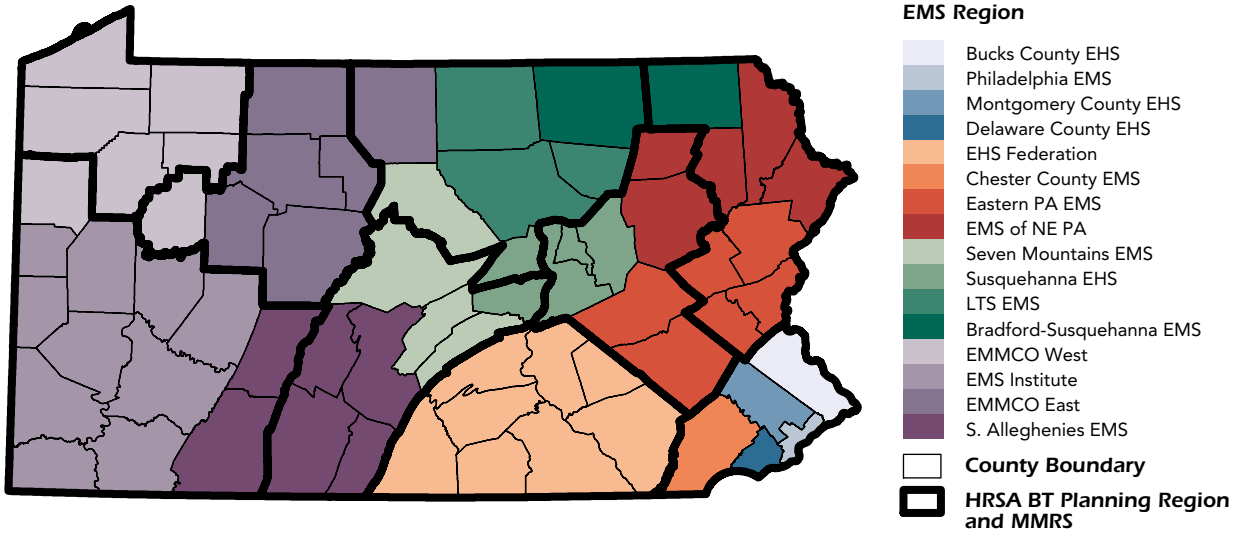
HAZMAT Response

There is no regionalization of Hazardous Materials (HAZMAT) in Pennsylvania.

Trauma Coordination

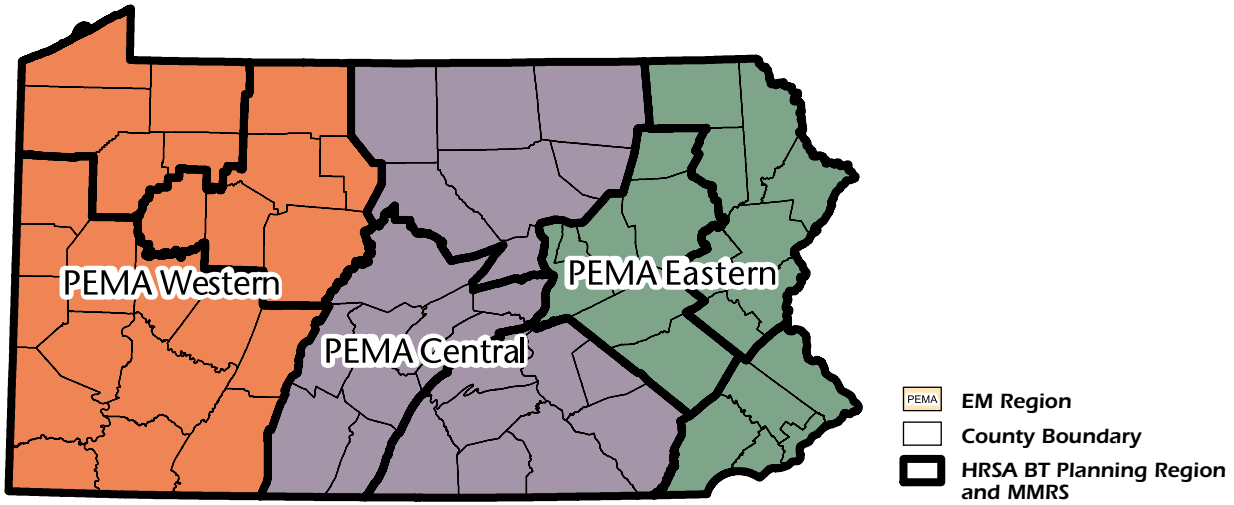
The Trauma Coordination Regions in Pennsylvania are the same as the Emergency Medical Services (EMS) Regions. Most trauma care is provided by 26 Level I or II facilities accredited by the Pennsylvania Trauma Systems Foundation (PTSF).

Emergency Medical Services



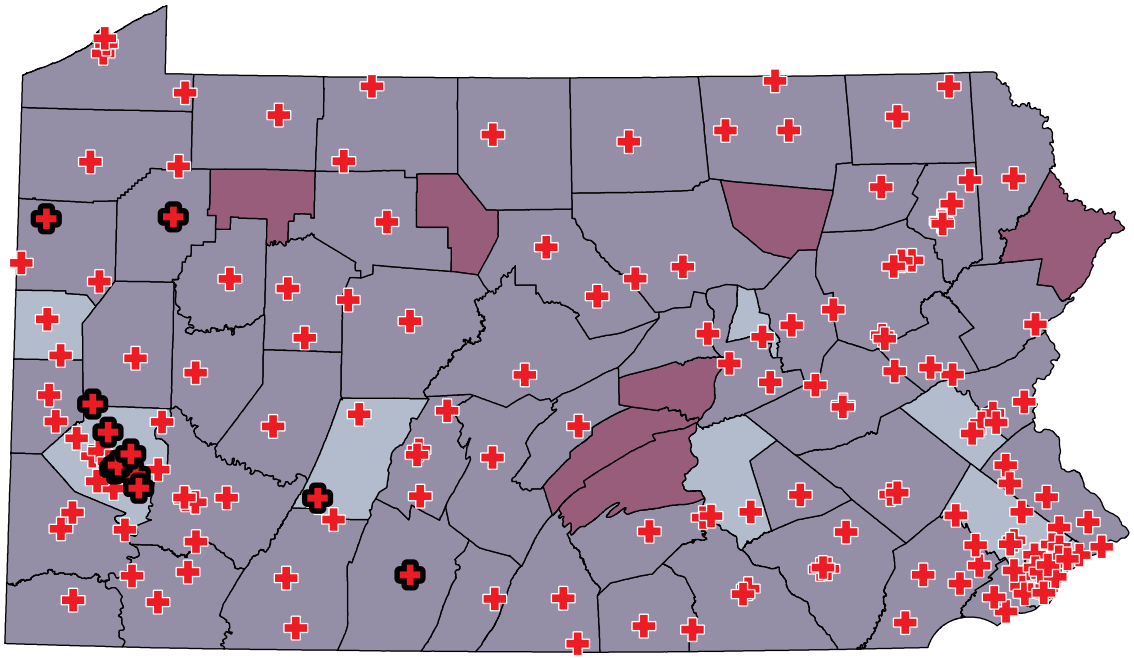
Emergency medical services (EMS) in Pennsylvania are organized around 16 EMS regions. These regions are made up of contiguous counties with the exception of the region containing Philadelphia, which consists of a single county. The EMS regions bear little resemblance to Health Resources and Services Administration Bioterrorism (HRSA BT) Planning Regions or the Metropolitan Medical Response System (MMRS), now called the Regional Counter-Terrorism Task Force Regions in Pennsylvania, except in the west of the State where there are some similarities. In the south of the State, the Emergency Health Services (EHS) Federation has the same geography as the South Central Pennsylvania Counter-Terrorism Task Force.

Emergency Management



Pennsylvania has three emergency management (EM) regions, made up of contiguous counties, which follow HRSA BT Planning Region boundaries. Each of the three Pennsylvania Emergency Management Agency (PEMA) regions encompasses three HRSA BT Planning Regions, suggesting an increased likelihood of effective coordination among the agencies.

Relative Facility Location by County

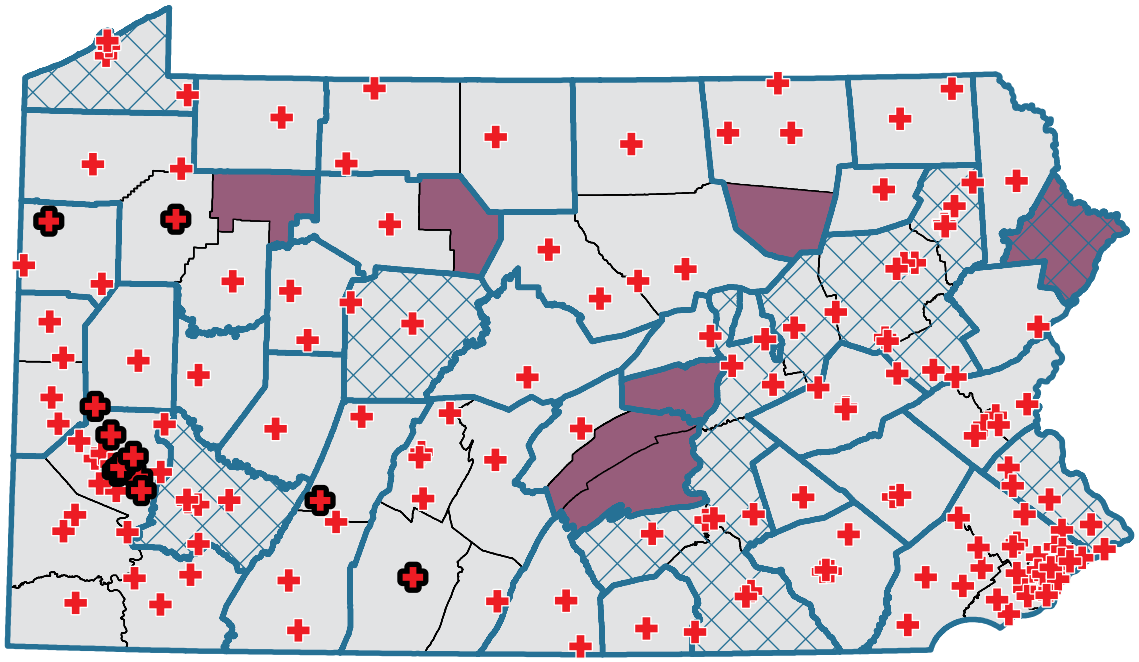


Facility Type by County

- Nursing Home, No Hospital
- Nursing Home, Non-Tertiary Care Hospital
- Nursing Home, Tertiary Care Hospital
- No Nursing Home, Non-Tertiary Care Hospital
- No Nursing Home, No Hospital
- **Hospital**
- ***UPMC Health System Hospital***

This map highlights counties that contain nursing homes strategically located in rural areas with no hospital. In addition, the map identifies counties with high levels of hospital care (i.e., a tertiary care hospital) and counties with no hospitals at all. All counties in Pennsylvania have at least one hospital or one nursing home. Seven counties have one or more nursing homes and no hospitals. Three of these counties are clustered in central Pennsylvania, while the other four are in the northern part of the State. These areas are all predominantly rural. Eight counties in Pennsylvania have tertiary care hospital facilities; five of these counties are in either in the Pittsburgh or Philadelphia metropolitan area. The other hospitals are located in central Pennsylvania and serve the State's more rural residents. It seems that the northern part of the State is underserved by tertiary care hospitals as they are mostly located in the southern half of Pennsylvania.

Relative Facility Location and Red Cross Chapters



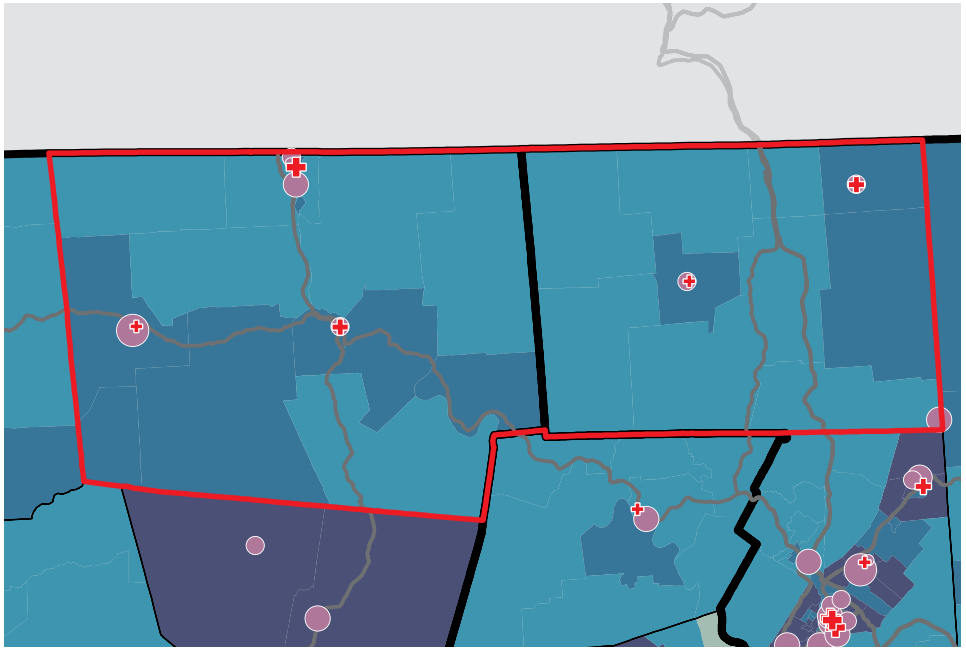
This map looks at areas with nursing homes and no hospitals relative to the Red Cross chapters operating in Pennsylvania. The Red Cross could support strategically located nursing homes in the event of an emergency.

There are 32 Red Cross chapters in Pennsylvania, many of which cover multiple counties, especially in the north and central areas of the State. Thirteen of the State's counties are served jointly by two Red Cross chapters.

Of the counties that have a nursing home but no hospital, only one (Snyder County) has its own Red Cross chapter. Pike County, in the northeast of the State, is served by two Red Cross chapters. All of the remaining counties are served by Red Cross chapters that provide services to multiple counties. This situation may limit the resources that could be allocated to nursing homes in such counties during an emergency.

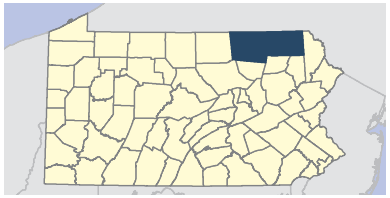
- Nursing Home, No Hospital
- Red Cross Chapter
- County Jointly Served by Two Red Cross Chapters
- County Boundary
- Hospital
- UPMC Health System Hospital

Bradford-Susquehanna EMS Region



This map examines the size and location of nursing homes and hospitals relative to the distribution of the population aged 65 or older in the Bradford-Susquehanna EMS region, which is significantly rural. There are five hospitals and eight nursing homes in the two counties; each hospital in the region has a nursing home located in its vicinity. Susquehanna County appears to have the most isolated facilities as none are on major roads. In Bradford County, the hospitals and nursing homes appear to be more accessible and are located along major transportation lines. The location of the nursing homes in these particular census tracts may be boosting the percentage of the elderly population in these areas.

The population pyramid shows a large elderly population that will increase significantly over the next 10 years due to a large bubble between the ages of 25 and 65. There is a dramatic drop in population between the ages of 20 and 30, suggesting that young people are moving out of this area once they become independent. This is indicative of an aging population structure with slow natural population growth.



Percentage of Population Aged 65 or Older

- 20.0% or More
- 16.0% to 19.9%
- 11.0% to 15.9%
- 7.0.0% to 10.9%
- Less than 7.0%

EMS Region

County Boundary

HRSA BT Planning Region

Roads

Number of SNF/NF Beds

- 200 or More
- 100 to 199
- 50 to 99
- Fewer than 50

Number of Hospital Beds

- 500 or More
- 200 to 499
- 100 to 199
- Fewer than 100

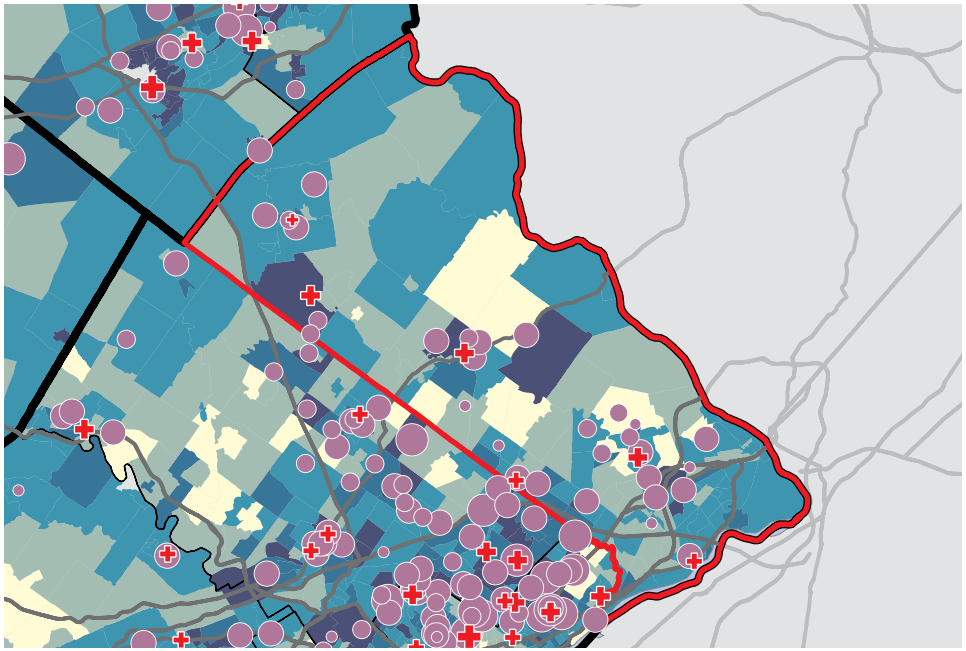
Red symbols outlined in black (✚) indicate UPMC Health System Hospitals

Red symbols (✚) indicate other hospitals

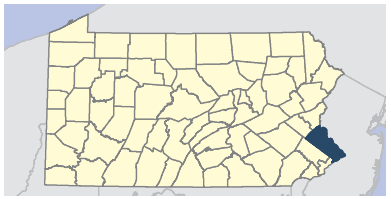
County	Hospitals					SNFs/NFs		
	# of Facilities	Total Beds	Annual Admissions	Annual ER Visits	FTE RNs	# of Facilities	Total Beds	FTE RNs
Bradford	3	457	13,734	43,895	392	5	477	315
Susquehanna	2	129	2,754	7,032	67	3	261	157

Population by Sex and Age

Bucks County EHS Region



This map examines the size and location of nursing homes and hospitals relative to the distribution of the population aged 65 or older in the Bucks County Emergency Health Services (EHS) Region. Bucks County, the only county in this region, is on the New Jersey border, across the Delaware River from Trenton, north of Philadelphia. There are 6 hospitals and 31 nursing homes in this region, which appears to be relatively diverse in age of population. This diversity is probably due to the influence of the Philadelphia metropolitan region (commuting into the city is possible from this county). The percentage of elderly residents appears to become greater and more consistent farther north and west. Because of the more rural nature of the northwest area and its distance from Philadelphia, the hospital and nursing homes here are far from major transportation links, making them less accessible. The population pyramid shows a population with slow natural growth. A large bubble between the ages of 25 and 60 suggests an increase in the number of elderly persons in the next 10 years. A significant drop in population between the ages of 20 and 30 suggests a movement of young residents out of the area.



Percentage of Population Aged 65 or Older

- 20.0% or More
- 16.0% to 19.9%
- 11.0% to 15.9%
- 7.0.0% to 10.9%
- Less than 7.0%

EHS Region

County Boundary

HRSA BT Planning Region

Roads

Number of SNF/NF Beds

- 200 or More
- 100 to 199
- 50 to 99
- Fewer than 50

Number of Hospital Beds

- 500 or More
- 200 to 499
- 100 to 199
- Fewer than 100

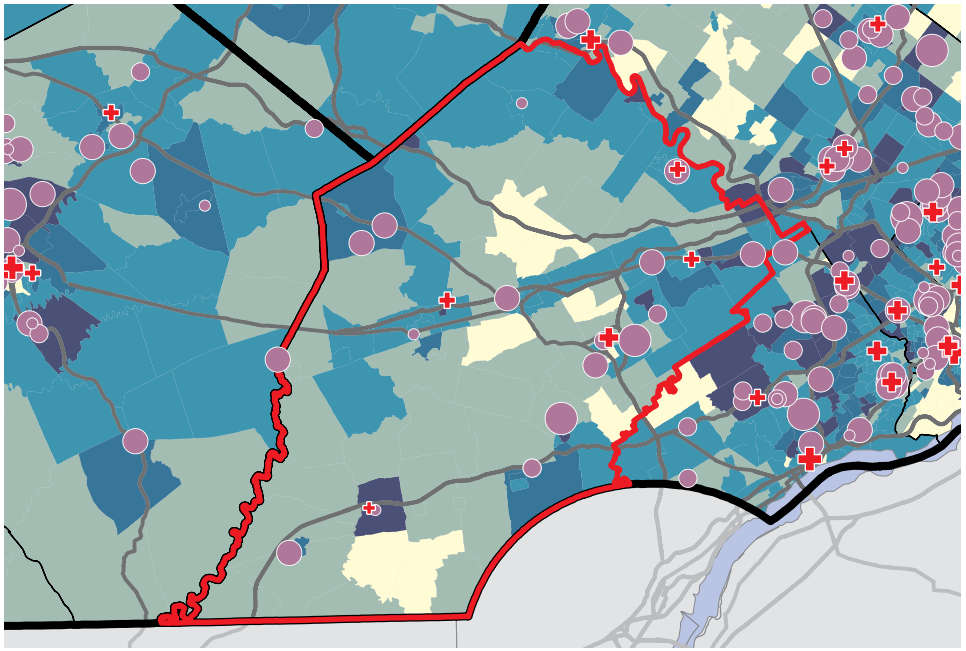
Red symbols outlined in black (✚) indicate UPMC Health System Hospitals

Red symbols (✚) indicate other hospitals

County	Hospitals					SNFs/NFs		
	# of Facilities	Total Beds	Annual Admissions	Annual ER Visits	FTE RNs	# of Facilities	Total Beds	FTE RNs
Bucks	6	1,308	53,515	143,776	1,443	31	3,517	2,103

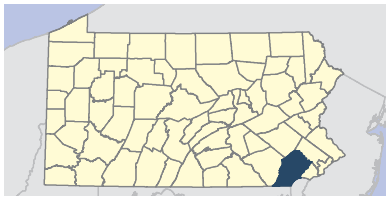
Population by Sex and Age

Chester County EMS Region



This map examines the size and location of nursing homes and hospitals relative to the distribution of the population aged 65 or older in the Chester County EMS Region, a single county with 5 hospitals and 18 nursing homes. The region is heavily rural but is linked by major transportation routes to the outer suburbs of Philadelphia to the east. The region's highest proportion of elderly residents is in the north of the county, where the population density is relatively low. All hospitals in the region are close to nursing home facilities, and nearly all are near major roads. The only hospital not on a significant highway is Phoenixville Hospital in the northeast section of the county.

The population pyramid has a noticeable bubble between the ages of 30 and 55, indicating that the elderly population will grow in the next 10 years. The shape of the pyramid indicates slow population growth as the number of people younger than 15 is consistently decreasing.



Percentage of Population Aged 65 or Older

- 20.0% or More
- 16.0% to 19.9%
- 11.0% to 15.9%
- 7.0.0% to 10.9%
- Less than 7.0%

EMS Region

County Boundary

HRSA BT Planning Region

Roads

Number of SNF/NF Beds

- 200 or More
- 100 to 199
- 50 to 99
- Fewer than 50

Number of Hospital Beds

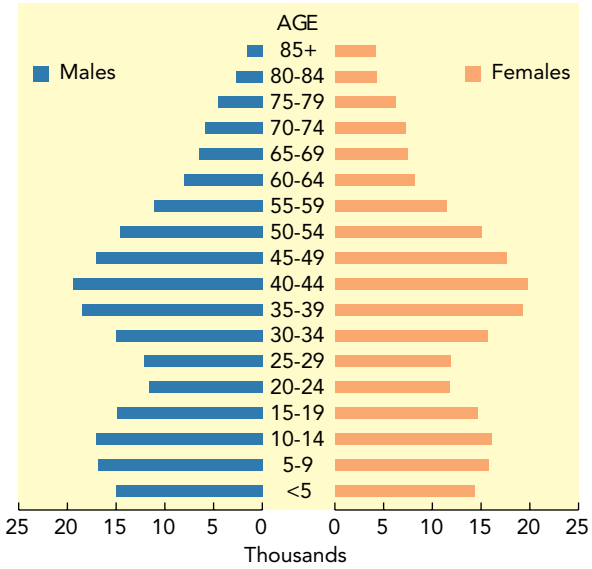
- 500 or More
- 200 to 499
- 100 to 199
- Fewer than 100

Red symbols outlined in black (✚) indicate UPMC Health System Hospitals

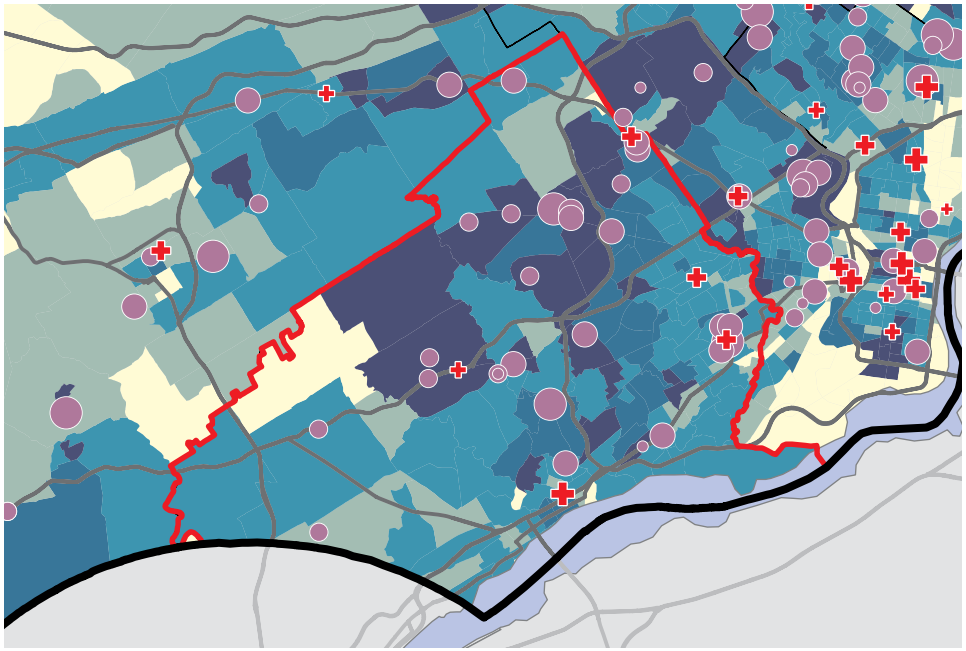
Red symbols (✚) indicate other hospitals

County	Hospitals					SNFs/NFs		
	# of Facilities	Total Beds	Annual Admissions	Annual ER Visits	FTE RNs	# of Facilities	Total Beds	FTE RNs
Chester	5	735	42,781	126,045	1,077	18	2,179	1,269

Population by Sex and Age

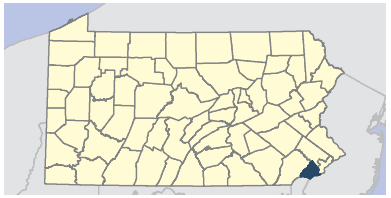


Delaware County EHS Region



This map examines the size and location of nursing homes and hospitals relative to the distribution of the population aged 65 or older in the Delaware County Emergency Health Services (EHS) Region, a single county with 4 hospitals and 30 nursing homes. The county is bordered by New Jersey to the south and Philadelphia to the east. Its proximity to Philadelphia makes this a very urban region with suburbs of the city taking up most of the county. There appears to be a relatively high percentage of elderly residents in the county, particularly in areas with nursing homes. The region's hospitals have nursing homes relatively close by. Although the nursing homes are not always adjacent to the hospitals, the small size and urban nature of the region aids accessibility.

The population pyramid shows a large bubble between the ages of 30 and 59, indicating that the number of elderly persons in the region is due to increase significantly in the next 10 years. With the number of elderly persons in the county already high, this increase may stress the area's health care facilities. Decreasing numbers of children suggest a slowing natural population growth.



Percentage of Population Aged 65 or Older

- 20.0% or More
- 16.0% to 19.9%
- 11.0% to 15.9%
- 7.0.0% to 10.9%
- Less than 7.0%

EHS Region

County Boundary

HRSA BT Planning Region

Roads

Number of SNF/NF Beds

- 200 or More
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- 50 to 99
- Fewer than 50

Number of Hospital Beds

- 500 or More
- 200 to 499
- 100 to 199
- Fewer than 100

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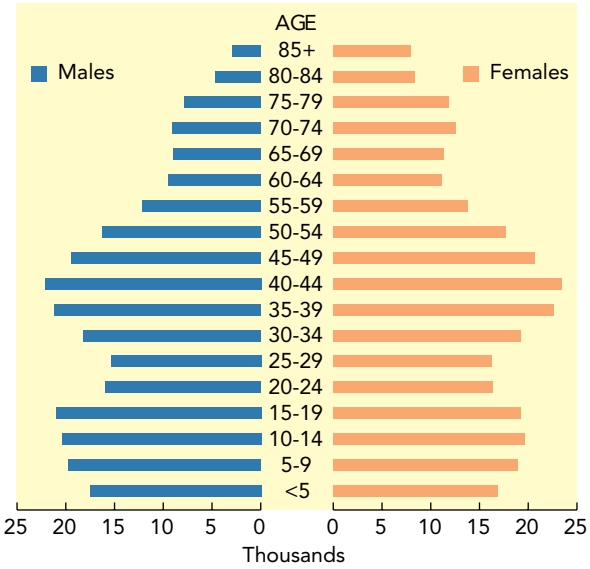
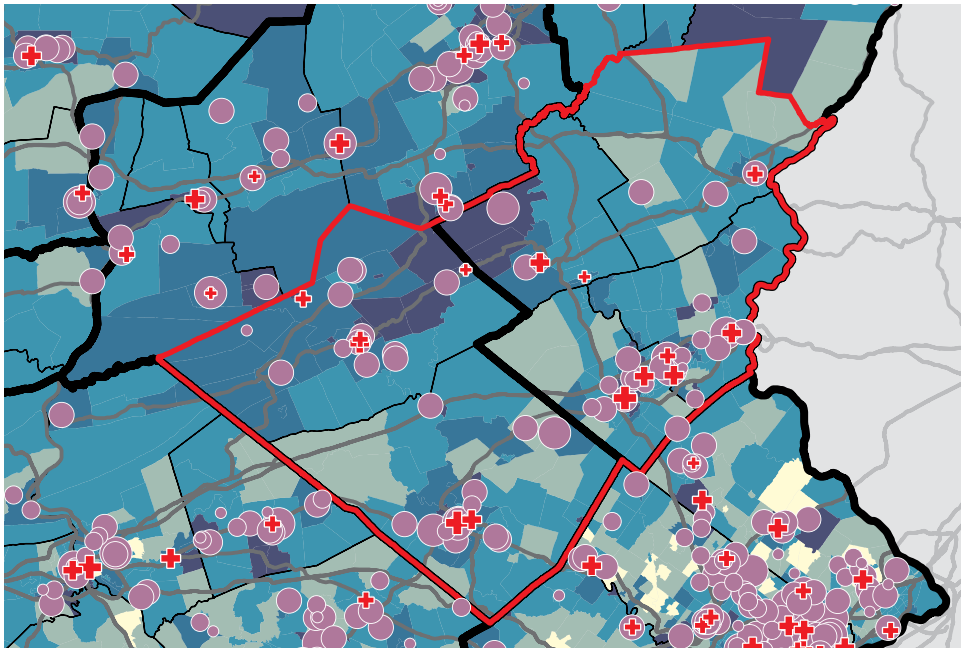
Red symbols (✚) indicate other hospitals

County	Hospitals					SNFs/NFs		
	# of Facilities	Total Beds	Annual Admissions	Annual ER Visits	FTE RNs	# of Facilities	Total Beds	FTE RNs
Delaware	4	1,528	73,464	219,281	1,746	30	4,319	2,823

Population by Sex and Age

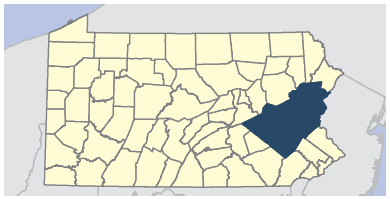


Eastern PA EMS Region



This map examines the size and location of nursing homes and hospitals relative to the distribution of the population aged 65 or older in the six-county Eastern Pennsylvania EMS Region, which has 14 hospitals and 64 nursing homes. These counties include some significant urban centers, such as Allentown and Bethlehem, situated on the Lehigh River. These cities are served by several hospitals and numerous nursing homes. Areas to the west and north of the region have the highest percentage of elderly persons in the population, with several large nursing homes. The region is served by numerous transportation routes along which all of the region's hospitals can be found. Each of the hospitals has at least one nursing home close by except for Palmerton Hospital in Carbon County, with only 70 beds.

The region's population pyramid shows a prominent elderly population. A significant bubble between the ages of 30 and 60 will further increase the senior sector of the population in the next 10 years. There also appears to be a declining number of children in the area, implying slow or no natural population growth.



Percentage of Population Aged 65 or Older

- 20.0% or More
- 16.0% to 19.9%
- 11.0% to 15.9%
- 7.0.0% to 10.9%
- Less than 7.0%

EMS Region

County Boundary

HRSA BT Planning Region

Roads

Number of SNF/NF Beds

- 200 or More
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Number of Hospital Beds

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- Fewer than 100

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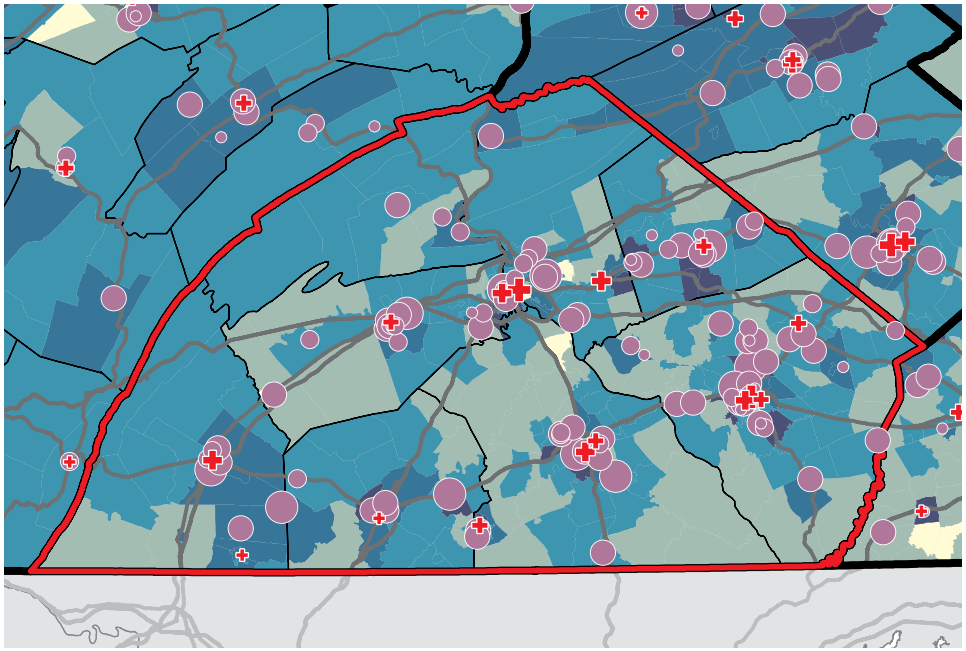
Red symbols (✚) indicate other hospitals

County	Hospitals					SNFs/NFs		
	# of Facilities	Total Beds	Annual Admissions	Annual ER Visits	FTE RNs	# of Facilities	Total Beds	FTE RNs
Berks	2	883	39,727	124,622	1,154	16	2,482	1,506
Carbon	2	272	7,007	34,772	207	3	441	276
Lehigh	4	1,404	81,049	199,991	2,824	15	2,664	1,689
Monroe	1	192	11,410	59,459	281	3	420	241
Northampton	1	231	12,588	46,236	333	13	2,193	1,320
Schuylkill	4	568	18,992	62,838	415	14	1,671	939

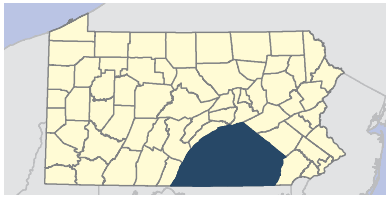
Population by Sex and Age

EHS Federation EMS Region



This map examines the size and location of nursing homes and hospitals relative to the distribution of the population aged 65 or older in the Emergency Health Services (EHS) Federation EMS Region, which has 15 hospitals and 101 nursing homes. All of the hospitals have nursing homes relatively close by or are on major transportation routes, making health care accessible during an emergency. Harrisburg is close to the geographic center of the region, and most of the transportation routes flow through this city. Many of the region's nursing home facilities are on routes leading to and from Harrisburg, although clusters of facilities are also seen in Lancaster to the southeast and York to the south. Despite the large number of nursing homes in the area, the density of the elderly populace does not appear to be extremely high.

The population pyramid for this region shows a large bubble between the ages of 25 and 60, which will lead to an increased number of elderly persons in the region in the next 10 years. The base of the population pyramid indicates fewer children being added to the population, leading to slow natural population increase.



Percentage of Population Aged 65 or Older

- 20.0% or More
- 16.0% to 19.9%
- 11.0% to 15.9%
- 7.0.0% to 10.9%
- Less than 7.0%

EMS Region

County Boundary

HRSA BT Planning Region

Roads

Number of SNF/NF Beds

- 200 or More
- 100 to 199
- 50 to 99
- Fewer than 50

Number of Hospital Beds

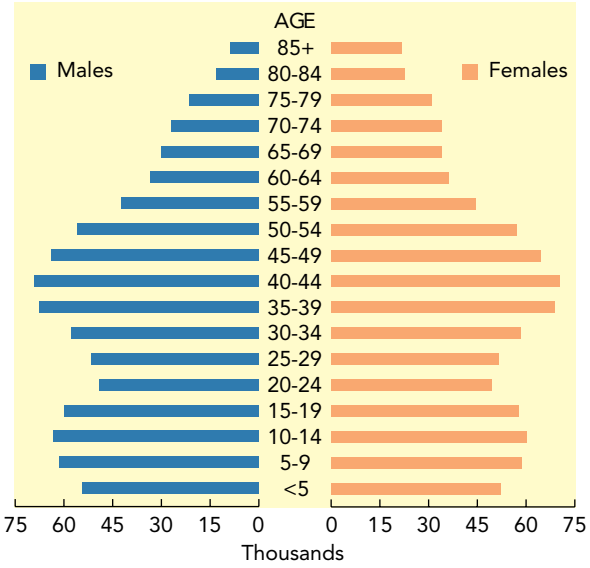
- 500 or More
- 200 to 499
- 100 to 199
- Fewer than 100

Red symbols outlined in black (✚) indicate UPMC Health System Hospitals

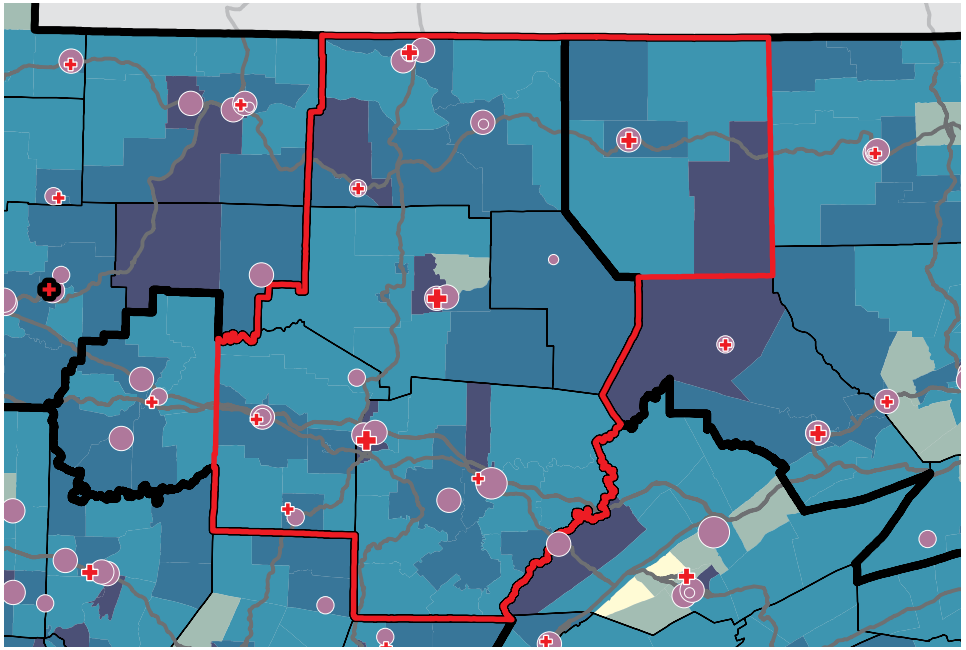
Red symbols (✚) indicate other hospitals

County	Hospitals					SNFs/NFs		
	# of Facilities	Total Beds	Annual Admissions	Annual ER Visits	FTE RNs	# of Facilities	Total Beds	FTE RNs
Adams	1	83	4,499	23,364	125	6	763	461
Cumberland	2	423	22,419	82,028	635	16	2,000	1,170
Dauphin	2	1,127	53,167	117,615	1,824	10	1,671	947
Franklin	2	294	15,128	55,783	350	8	1,227	751
Lancaster	4	1,034	45,108	117,878	1,428	32	4,140	2,756
Lebanon	1	198	9,531	42,937	232	12	1,279	875
Perry	0	0	0	0	0	3	243	121
York	3	636	38,338	111,671	985	14	2,143	1,345

Population by Sex and Age

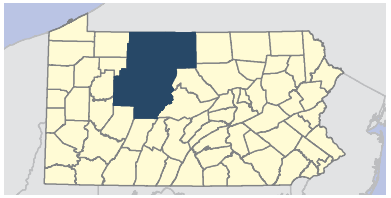


EMMCO East EMS Region



This map examines the size and location of nursing homes and hospitals relative to the distribution of the population aged 65 or older in the Emergency Medical Management Cooperative (EMMCO) East EMS Region, which has 8 hospitals and 19 nursing homes. Cameron County is the only county in the region that does not have a hospital. It does, however, have a nursing home facility with 40 beds. This apparent lack of facilities is not particularly surprising as Elk State Forest takes up the vast majority of the county. The hospitals in this region all have nursing homes close by that could be used as overflow in an emergency. The rural, forested nature of this region, along with the high proportion of elderly residents, suggests that transportation and accessibility may be a problem during an urgent event.

The population pyramid shows a large bubble between the ages of 25 and 55. This suggests that the number of elderly persons in this region will increase over the next 10 years. The lower end of the population pyramid shows a significant decline in the number of children in the region, indicating a slow natural population growth.



Percentage of Population Aged 65 or Older

- 20.0% or More
- 16.0% to 19.9%
- 11.0% to 15.9%
- 7.0.0% to 10.9%
- Less than 7.0%

- **EMS Region**
- **County Boundary**
- **HRSA BT Planning Region**
- **Roads**

Number of SNF/NF Beds

- 200 or More
- 100 to 199
- 50 to 99
- Fewer than 50

Number of Hospital Beds

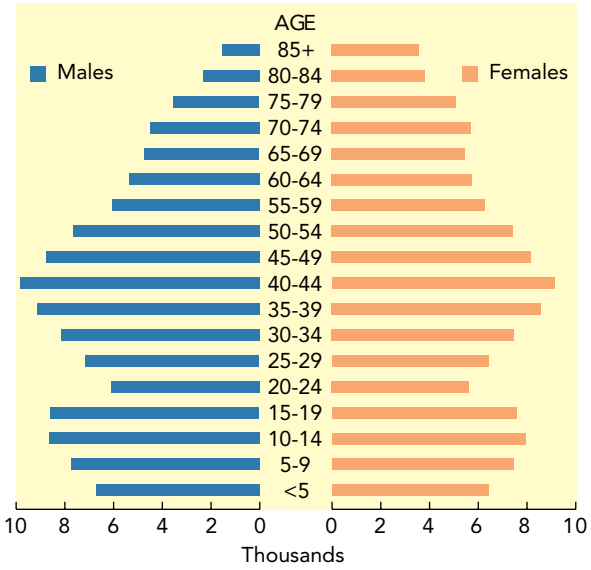
- 500 or More
- 200 to 499
- 100 to 199
- Fewer than 100

Red symbols outlined in black (✚) indicate UPMC Health System Hospitals

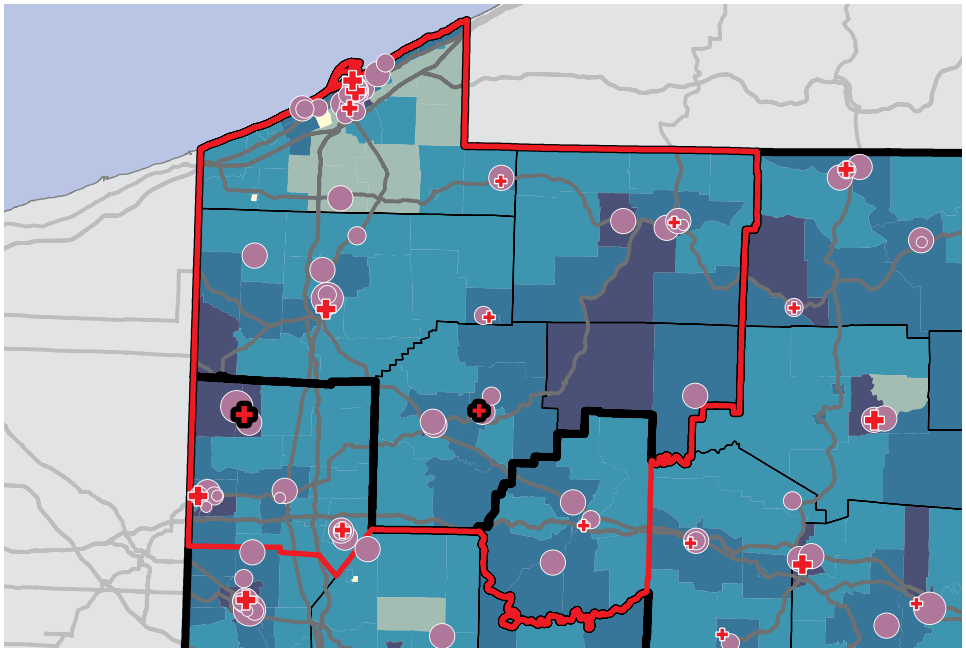
Red symbols (✚) indicate other hospitals

County	Hospitals					SNFs/NFs		
	# of Facilities	Total Beds	Annual Admissions	Annual ER Visits	FTE RNs	# of Facilities	Total Beds	FTE RNs
Cameron	0	0	0	0	0	1	40	22
Clearfield	2	286	12,403	71,888	423	4	681	416
Elk	1	236	3,728	18,671	128	2	258	167
Jefferson	2	106	4,356	21,970	143	4	383	249
McKean	2	211	6,230	22,119	186	6	592	390
Potter	1	135	2,505	8,712	87	2	170	94

Population by Sex and Age

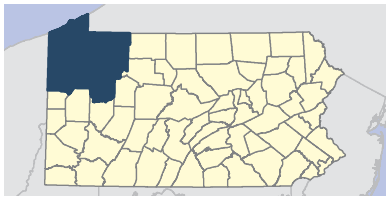


EMMCO West EMS Region



This map examines the size and location of nursing homes and hospitals relative to the distribution of the population aged 65 or older in the Emergency Medical Management Cooperative (EMMCO) West EMS Region, which has 12 hospitals and 55 nursing homes. Forest County in the east of the region is the only county without a hospital, although it does have a nursing home facility with 100 beds. Erie County has by far the greatest number of hospital (1,032) and nursing home (2,112) beds. This county is home to the city of Erie, and its population appears to have a lower proportion of elderly persons than those of other counties in the region. All of the hospitals in the region have nursing homes close by and are near to major transportation routes, except for a small (56-bed), relatively isolated hospital in Titusville.

The population pyramid for the region indicates a slow natural population growth as the number of children is declining. A significant bubble in population can be seen between the ages of 30 and 60, indicating an increase in the number of elderly persons in the region in the next 10 years.



Percentage of Population Aged 65 or Older

- 20.0% or More
- 16.0% to 19.9%
- 11.0% to 15.9%
- 7.0.0% to 10.9%
- Less than 7.0%

EMS Region

County Boundary

HRSA BT Planning Region

Roads

Number of SNF/NF Beds

- 200 or More
- 100 to 199
- 50 to 99
- Fewer than 50

Number of Hospital Beds

- 500 or More
- 200 to 499
- 100 to 199
- Fewer than 100

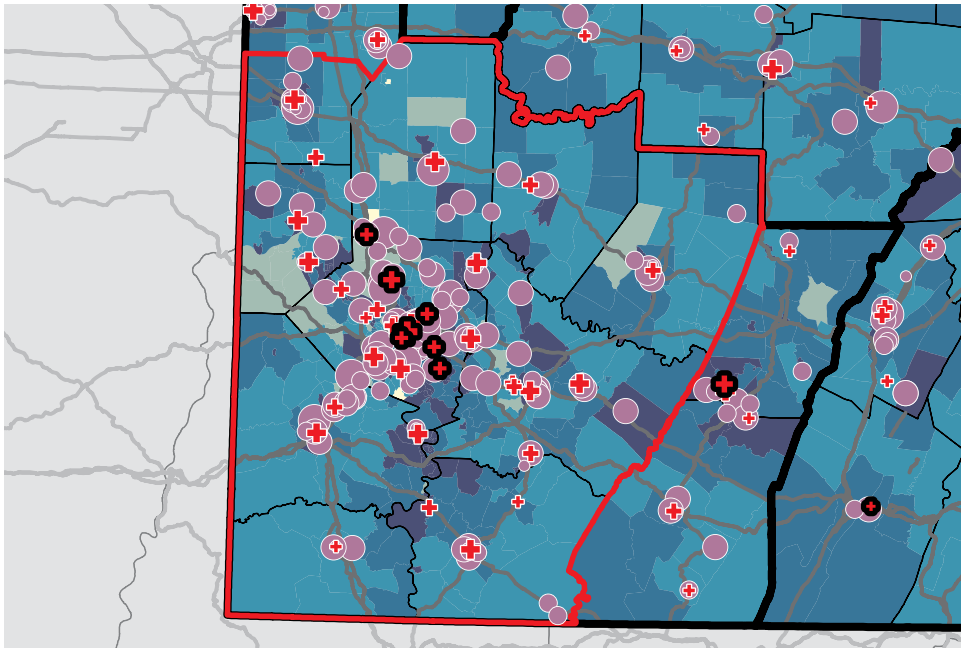
Red symbols outlined in black (✚) indicate UPMC Health System Hospitals

Red symbols (✚) indicate other hospitals

County	Hospitals					SNFs/NFs		
	# of Facilities	Total Beds	Annual Admissions	Annual ER Visits	FTE RNs	# of Facilities	Total Beds	FTE RNs
Clarion	1	76	3,739	17,468	117	4	334	159
Crawford	2	304	10,824	45,862	247	7	830	460
Erie	4	1,032	37,835	129,763	1,233	19	2,112	1,320
Forest	0	0	0	0	0	1	100	58
Mercer	3	550	24,193	79,870	697	14	1,218	732
Venango	1	191	7,830	32,103	187	5	491	298
Warren	1	91	3,342	15,823	113	5	478	321

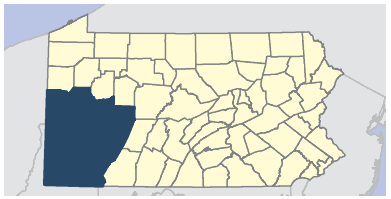
Population by Sex and Age

EMS Institute



This map examines the size and location of nursing homes and hospitals relative to the distribution of the population aged 65 or older in the EMS Institute Region, which has 37 hospitals and 149 nursing homes. Allegheny County (Pittsburgh) dominates this region with over 5,155 hospital beds and 8,120 nursing home beds. This is a very highly populated region, with the proportion of elderly residents increasing as one moves away from Pittsburgh toward the more rural edges of the region. Most of the hospitals in the region have nursing homes close by or are on major transportation routes. All counties in the region have hospitals, and a large number of major roads makes this region more accessible than most.

The population pyramid for this region shows a bubble between the ages of 30 and 55, implying that the number of elderly persons will increase over the next decade. The base of the pyramid shows slow natural growth with the population as a whole looking fairly stable.



Percentage of Population Aged 65 or Older

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EMS Region

County Boundary

HRSA BT Planning Region

Roads

Number of SNF/NF Beds

- 200 or More
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- 50 to 99
- Fewer than 50

Number of Hospital Beds

- 500 or More
- 200 to 499
- 100 to 199
- Fewer than 100

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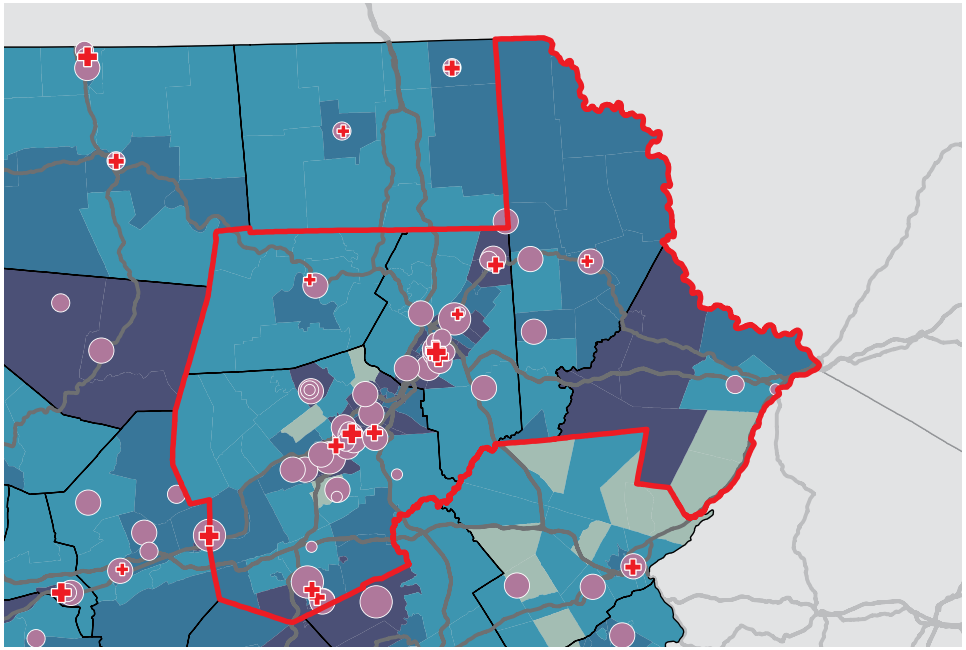
County	Hospitals					SNFs/NFs		
	# of Facilities	Total Beds	Annual Admissions	Annual ER Visits	FTE RNs	# of Facilities	Total Beds	FTE RNs
Allegheny	17	5,155	257,625	577,041	8,207	62	8,120	4,601
Armstrong	1	173	6,883	25,080	213	4	381	201
Beaver	2	567	19,441	57,778	635	7	1,238	718
Butler	2	430	15,240	49,222	375	13	1,626	1,013
Fayette	3	398	14,580	74,774	395	8	693	405
Greene	1	45	2,566	14,590	64	3	252	151
Indiana	1	147	7,590	32,124	197	6	546	284
Lawrence	2	328	14,207	56,953	364	9	750	454
Washington	3	618	29,721	89,059	754	14	1,468	904
Westmoreland	5	845	38,821	118,877	1,024	23	2,518	1,499

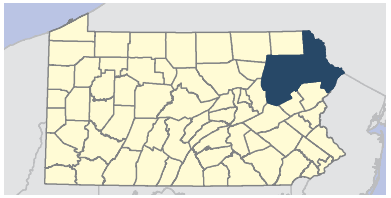
Population by Sex and Age

EMS of Northeastern Pennsylvania



This map examines the size and location of nursing homes and hospitals relative to the distribution of the population aged 65 or older in the EMS of Northeastern Pennsylvania, which has 12 hospitals and 50 nursing homes. Most facilities in this region are in Lackawanna and Luzerne Counties, where there are 10 hospitals and 44 nursing homes. All of the hospitals in the region have nursing homes close by, and these services are all close to major transportation routes. Pike County is the only county in the region without a hospital, although it does have two nursing homes with a total of 110 beds. Apart from Lackawanna and Luzerne Counties, the nature of this region is mostly rural, and the age structure reflects this, with a high proportion of elderly residents throughout.

The population pyramid as a whole for the region suggests an extremely slow natural growth rate with births declining and the number of elderly residents appearing to be high. A bubble between the ages of 30 and 55 indicates an increasingly aging population that will impact the region in the next 10 years.



Percentage of Population Aged 65 or Older

- 20.0% or More
- 16.0% to 19.9%
- 11.0% to 15.9%
- 7.0.0% to 10.9%
- Less than 7.0%

EMS Region

County Boundary

HRSA BT Planning Region

Roads

Number of SNF/NF Beds

- 200 or More
- 100 to 199
- 50 to 99
- Fewer than 50

Number of Hospital Beds

- 500 or More
- 200 to 499
- 100 to 199
- Fewer than 100

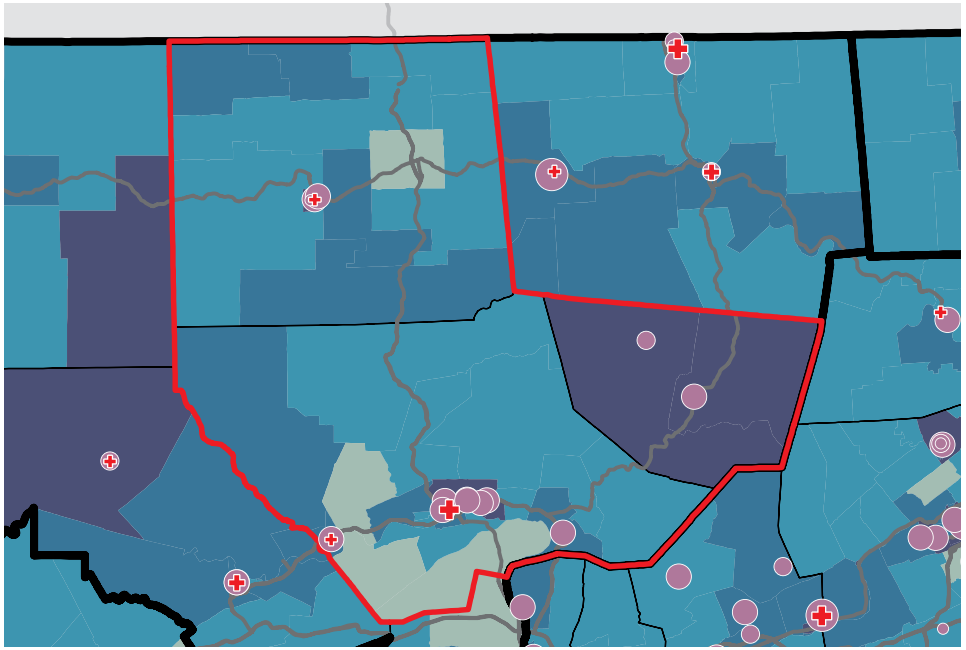
Red symbols outlined in black (✚) indicate UPMC Health System Hospitals

Red symbols (✚) indicate other hospitals

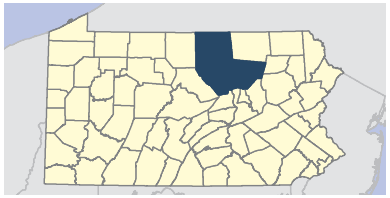
County	Hospitals					SNFs/NFs		
	# of Facilities	Total Beds	Annual Admissions	Annual ER Visits	FTE RNs	# of Facilities	Total Beds	FTE RNs
Lackawanna	5	853	37,806	106,783	1,043	18	2,157	1,348
Luzerne	5	962	42,618	128,660	946	26	2,867	1,627
Pike	0	0	0	0	0	2	110	70
Wayne	1	90	4,561	17,810	102	3	384	211
Wyoming	1	58	2,316	10,335	59	1	124	50

Population by Sex and Age

LTS EMS Region



This map examines the size and location of nursing homes and hospitals relative to the distribution of the population aged 65 or older for the Lycoming-Tioga-Sullivan (LTS) EMS region, which has 3 hospitals and 13 nursing homes. The LTS EMS region is located in predominantly forested land with several State game lands located throughout the area. Sullivan County is extremely rural with a large proportion of elderly residents and a lack of hospital facilities because of its small size. Lycoming County dominates the two other counties in the region, with the city of Williamsburg including a cluster of nursing homes and the region's largest hospital (Susquehanna Health System). All three hospitals in the region are close to nursing homes and are on major transportation routes. The bubble in the population pyramid between the ages of 30 and 55 indicates that the elderly population will grow in the region in the next 10 years. The base of the population pyramid shows slow growth as the birthrate in the region appears to be declining. It also appears that young adults are leaving the area, as shown by the relatively low numbers of people between the ages of 20 and 30.



Percentage of Population Aged 65 or Older

- 20.0% or More
- 16.0% to 19.9%
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EMS Region

County Boundary

HRSA BT Planning Region

Roads

Number of SNF/NF Beds

- 200 or More
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Number of Hospital Beds

- 500 or More
- 200 to 499
- 100 to 199
- Fewer than 100

Red symbols outlined in black (✚) indicate UPMC Health System Hospitals

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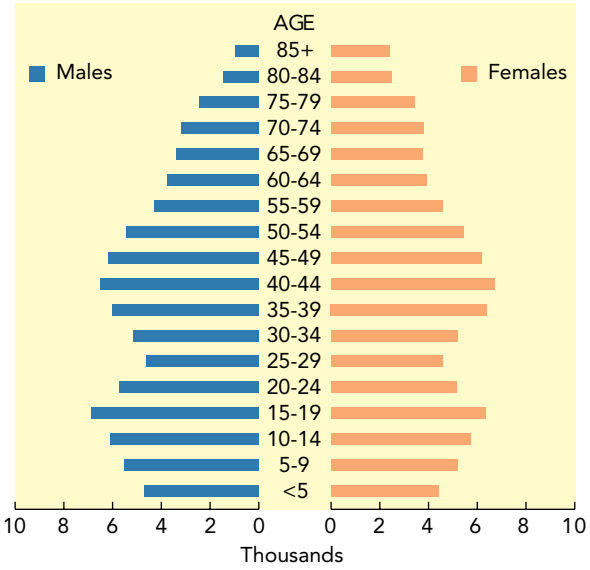
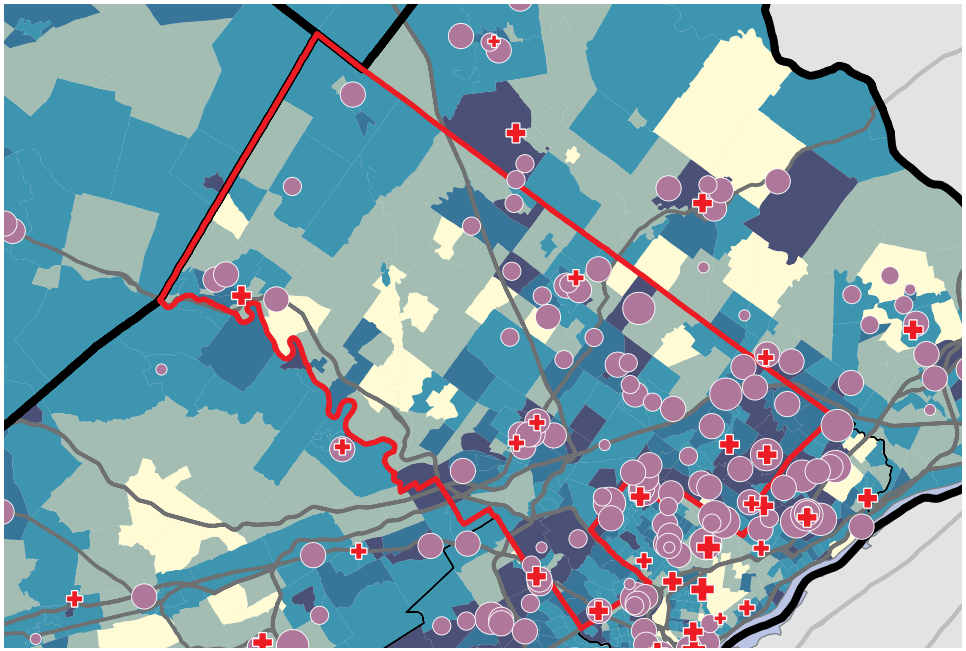
County	Hospitals					SNFs/NFs		
	# of Facilities	Total Beds	Annual Admissions	Annual ER Visits	FTE RNs	# of Facilities	Total Beds	FTE RNs
Lycoming	2	438	14,501	70,713	563	8	1,094	649
Sullivan	0	0	0	0	0	2	187	74
Tioga	1	83	3,029	14,412	72	3	268	147

Population by Sex and Age

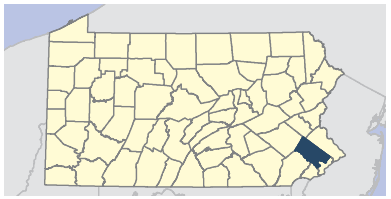


Montgomery County EMS Region



This map examines the size and location of nursing homes and hospitals relative to the distribution of the population aged 65 or older in the Montgomery County EMS Region northwest of downtown Philadelphia. This single-county region, which is dominated by the city's suburbs, has 9 hospitals and 60 nursing homes. Because of the urban nature of the county, the proportion of elderly residents appears to be low; however, the sheer number of people makes this group a significant segment. The 60 nursing homes are located among 9 hospitals, meaning that all of the hospitals have nursing homes available to take overflow patients during an emergency.

The population pyramid for the region shows a significant bubble between the ages of 25 and 55, suggesting a growth in the number of elderly persons in the next 10 years. The gradual reduction in the number of children also shows that the natural population growth in this region is slowing.



Percentage of Population Aged 65 or Older

- 20.0% or More
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- 11.0% to 15.9%
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EMS Region

County Boundary

HRSA BT Planning Region

Roads

Number of SNF/NF Beds

- 200 or More
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- 50 to 99
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Number of Hospital Beds

- 500 or More
- 200 to 499
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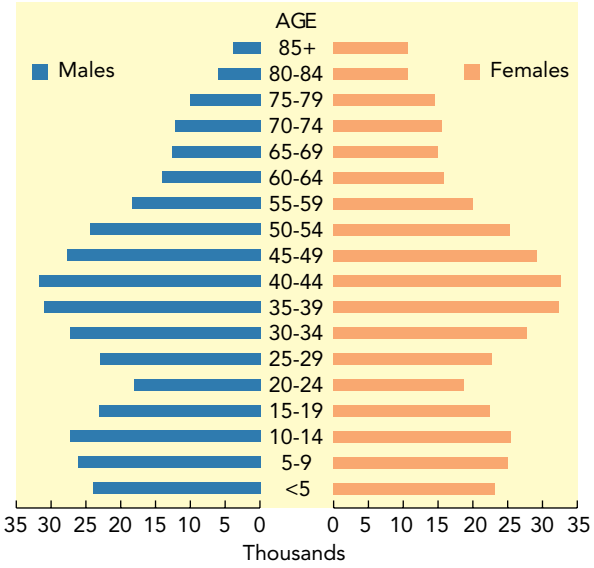
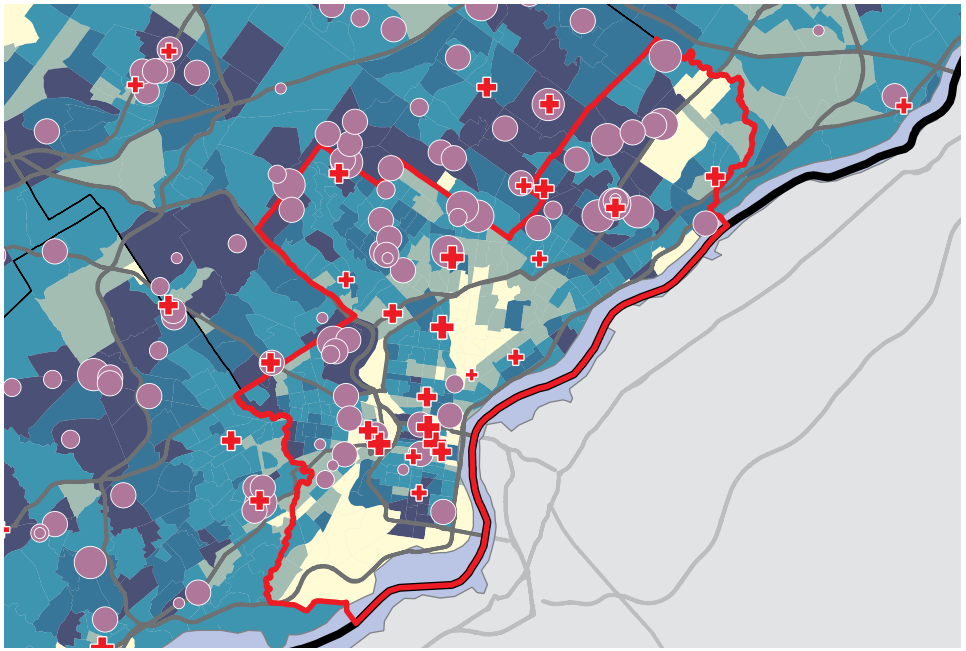
County	Hospitals					SNFs/NFs		
	# of Facilities	Total Beds	Annual Admissions	Annual ER Visits	FTE RNs	# of Facilities	Total Beds	FTE RNs
Montgomery	9	2,159	119,093	270,093	3,491	60	7,347	4,470

Population by Sex and Age

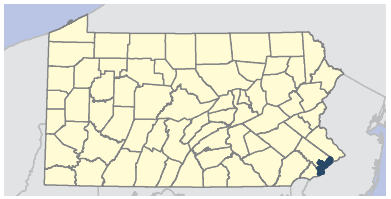


Philadelphia EMS Region



This map examines the size and location of nursing homes and hospitals relative to the distribution of the population aged 65 or older in the Philadelphia EMS Region. Although this region consists of a single county and is geographically very small, the population density of this major urban center makes for a very high number of elderly residents. The large number of hospitals and nursing homes provides many options for hospitals to acquire overflow aid from surrounding nursing homes.

The population pyramid for this region does not show the expected "Baby Boom" bubble and indicates relatively stable population numbers from the ages of 0 to 50. Above age 50, numbers start to decline through natural processes of mortality. The large and steady number of people through the groups aged 55 years or younger indicates a significant increase in the number of elderly residents in the region in the next decade.



Percentage of Population Aged 65 or Older

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EMS Region

County Boundary

HRSA BT Planning Region

Roads

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- 200 or More
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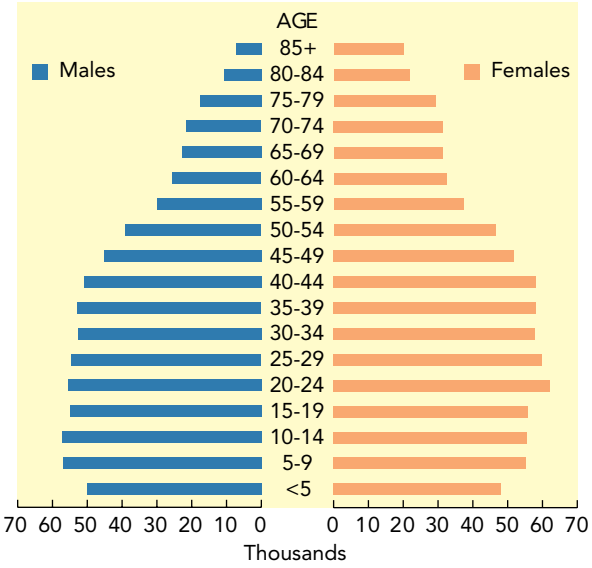
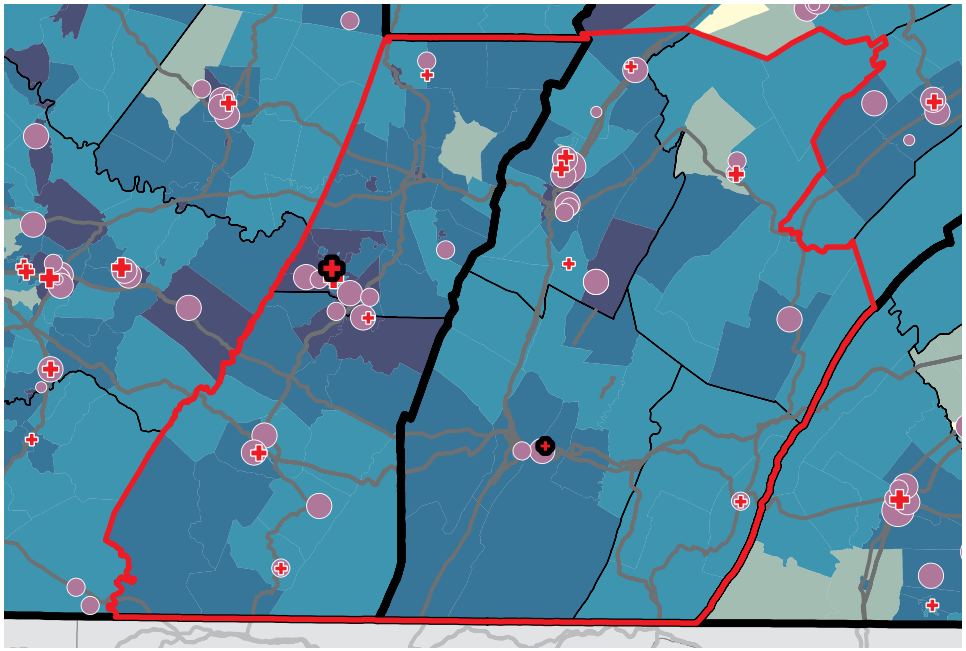
County	Hospitals					SNFs/NFs		
	# of Facilities	Total Beds	Annual Admissions	Annual ER Visits	FTE RNs	# of Facilities	Total Beds	FTE RNs
Philadelphia	19	6,753	306,183	756,125	9,399	49	7,419	4,883

Population by Sex and Age

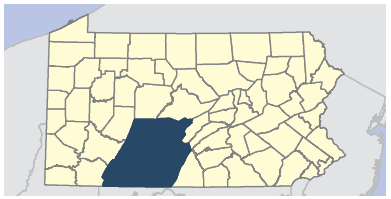


Southern Alleghenies EMS Region



This map examines the size and location of nursing homes and hospitals relative to the distribution of the population aged 65 or older in the Southern Alleghenies EMS Region, a mountainous area in the south of Pennsylvania. Mountain ridges with a northeasterly orientation make east-to-west travel through this region difficult. This is a very rural region with a high proportion of elderly residents. Hospitals in the region are located on major transportation routes and have nursing homes close by. The majority of the health care in the region is provided in Blair and Cambria Counties, with clusters of facilities in Altoona and Johnstown.

The population pyramid for the region shows a declining number of births in the region and a loss of young adults from the region. The population pyramid shows a noticeable bubble between the ages of 35 and 55 indicating that an increased number of elderly persons in the region can be expected in the next 10 years.



Percentage of Population Aged 65 or Older

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EMS Region

County Boundary

HRSA BT Planning Region

Roads

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- 200 or More
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Number of Hospital Beds

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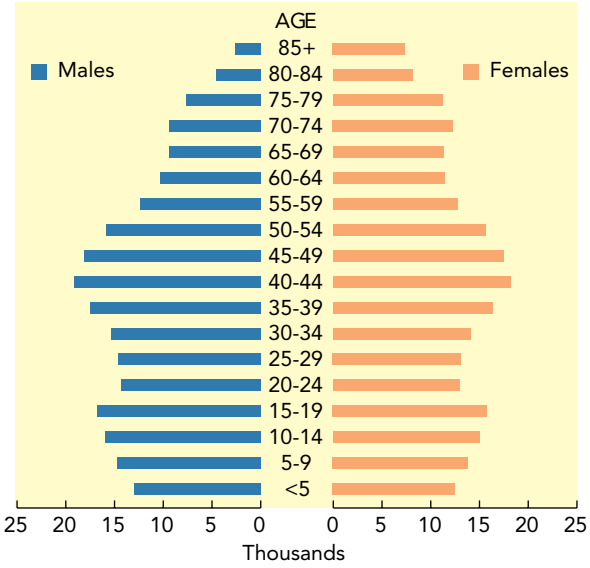
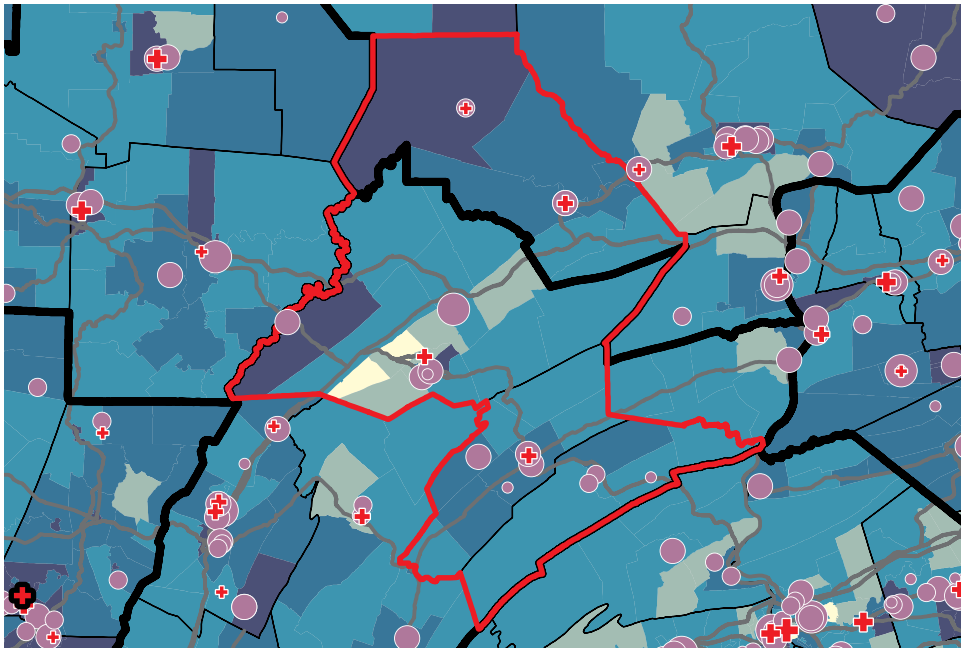
County	Hospitals					SNFs/NFs		
	# of Facilities	Total Beds	Annual Admissions	Annual ER Visits	FTE RNs	# of Facilities	Total Beds	FTE RNs
Bedford	1	27	2,202	11,730	63	2	205	121
Blair	4	399	22,562	67,965	731	11	1,206	884
Cambria	3	581	27,466	78,966	829	9	1,212	649
Fulton	1	82	1,076	8,413	35	1	57	43
Huntingdon	1	104	3,718	13,544	54	3	282	188
Somerset	3	256	7,672	33,170	230	7	682	377

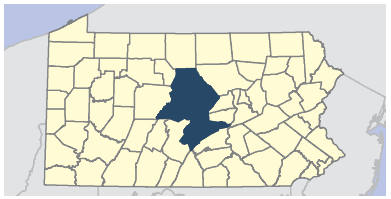
Population by Sex and Age



Seven Mountains EMS Region



This map examines the size and location of nursing homes and hospitals relative to the distribution of the population aged 65 or older in the Seven Mountains EMS Region, which consists of four rural counties in the Allegheny Mountains of central Pennsylvania. Juniata County is the only county in the region that does not have a hospital. There are, however, three nursing homes in this county along U.S. 22. All of the hospitals in the region have nursing homes close by; the nursing home facilities also tend to be near highways. Bucktail Medical Center in Renovo is the only hospital in the region that appears to be isolated from a major road. The population pyramid for the region has one overwhelming characteristic that sets it apart from the others in the State: a disproportionate jump in the population between the ages of 20 and 24. This is due to the location of Pennsylvania State University in State College, located in Centre County. Other than the jump in college-age population, the population pyramid for the area has few outstanding characteristics. A slight bulge for those aged 30 to 54 indicates that the number of elderly persons in the area is likely to climb in the next 10 years.



Percentage of Population Aged 65 or Older

- 20.0% or More
- 16.0% to 19.9%
- 11.0% to 15.9%
- 7.0.0% to 10.9%
- Less than 7.0%

EMS Region

County Boundary

HRSA BT Planning Region

Roads

Number of SNF/NF Beds

- 200 or More
- 100 to 199
- 50 to 99
- Fewer than 50

Number of Hospital Beds

- 500 or More
- 200 to 499
- 100 to 199
- Fewer than 100

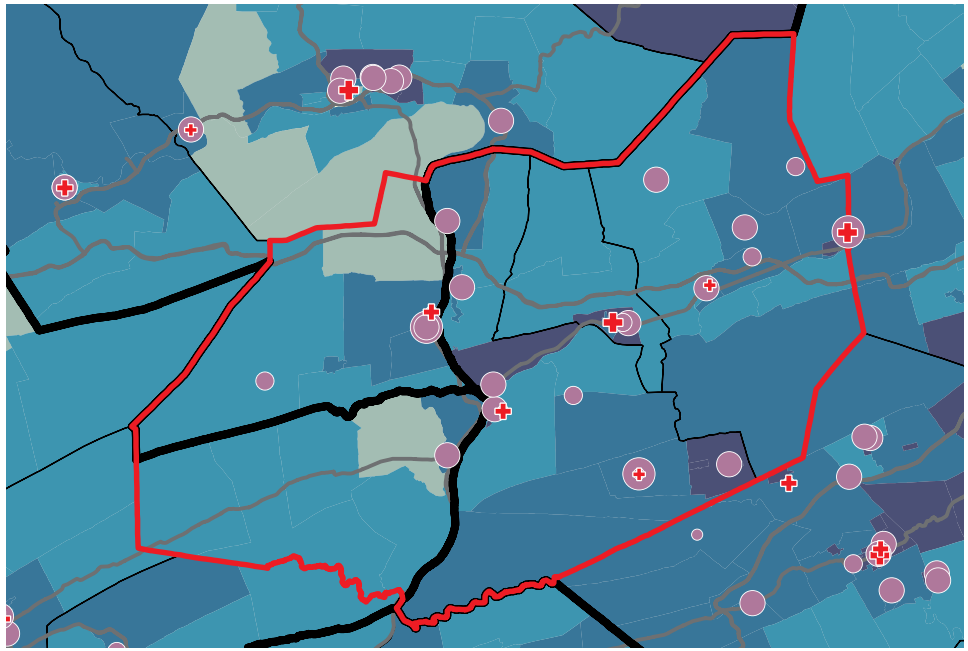
Red symbols outlined in black (✚) indicate UPMC Health System Hospitals

Red symbols (✚) indicate other hospitals

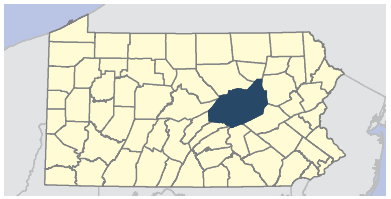
County	Hospitals					SNFs/NFs		
	# of Facilities	Total Beds	Annual Admissions	Annual ER Visits	FTE RNs	# of Facilities	Total Beds	FTE RNs
Centre	1	168	9,232	38,983	227	5	665	420
Clinton	2	245	3,255	24,893	155	3	321	170
Juniata	0	0	0	0	0	3	187	113
Mifflin	1	123	7,398	23,490	91	4	417	276

Population by Sex and Age

Susquehanna EHS Region



This map examines the size and location of nursing homes and hospitals relative to the distribution of the population aged 65 or older in the five-county Susquehanna EHS Region. Six hospitals and 22 nursing homes are spread throughout this region. Snyder County is the only county in the region without a hospital, although it does have a 159-bed nursing home. The hospitals in the Susquehanna EHS region tend to be close to major transportation links. The one exception is Shamokin Area Community Hospital with 61 beds in Northumberland County. Because this hospital is located in an area with 16.0 to 19.9 percent of the population older than 65, the hospital may be under strain during an emergency. Three nursing homes are relatively close by that have a total of 407 beds. This is a predominantly rural, mountainous region with a high proportion of elderly residents, making the nursing homes extremely valuable resources in an emergency. The region's population pyramid shows a declining number of children and a loss of young adults. The bubble in the population pyramid between the ages of 30 and 55 indicates an increase in the number of elderly persons in the area in the next 10 years.



Percentage of Population Aged 65 or Older

- 20.0% or More
- 16.0% to 19.9%
- 11.0% to 15.9%
- 7.0.0% to 10.9%
- Less than 7.0%

EHS Region

County Boundary

HRSA BT Planning Region

Roads

Number of SNF/NF Beds

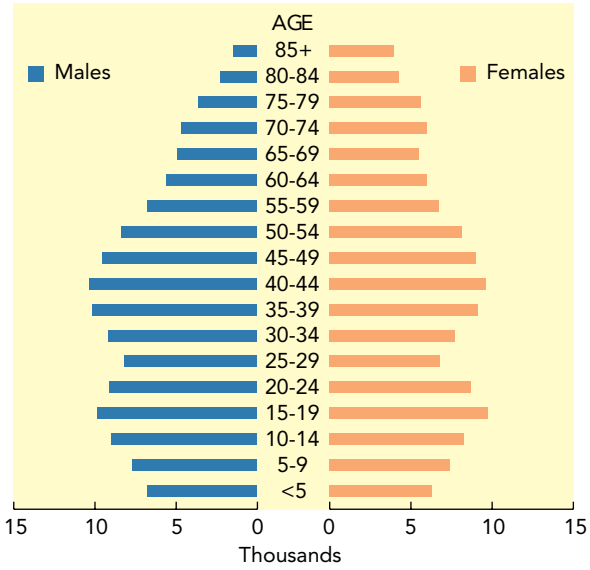
- 200 or More
- 100 to 199
- 50 to 99
- Fewer than 50

Number of Hospital Beds

- 500 or More
- 200 to 499
- 100 to 199
- Fewer than 100

Red symbols outlined in black (✚) indicate UPMC Health System Hospitals

Red symbols (✚) indicate other hospitals

County	Hospitals					SNFs/NFs		
	# of Facilities	Total Beds	Annual Admissions	Annual ER Visits	FTE RNs	# of Facilities	Total Beds	FTE RNs
Columbia	2	438	6,644	27,561	204	6	762	423
Montour	1	384	18,543	33,450	625	2	262	184
Northumberland	2	166	5,892	27,543	119	9	1,016	562
Snyder	0	0	0	0	0	1	159	93
Union	1	136	6,638	26,560	200	4	408	224

Population by Sex and Age