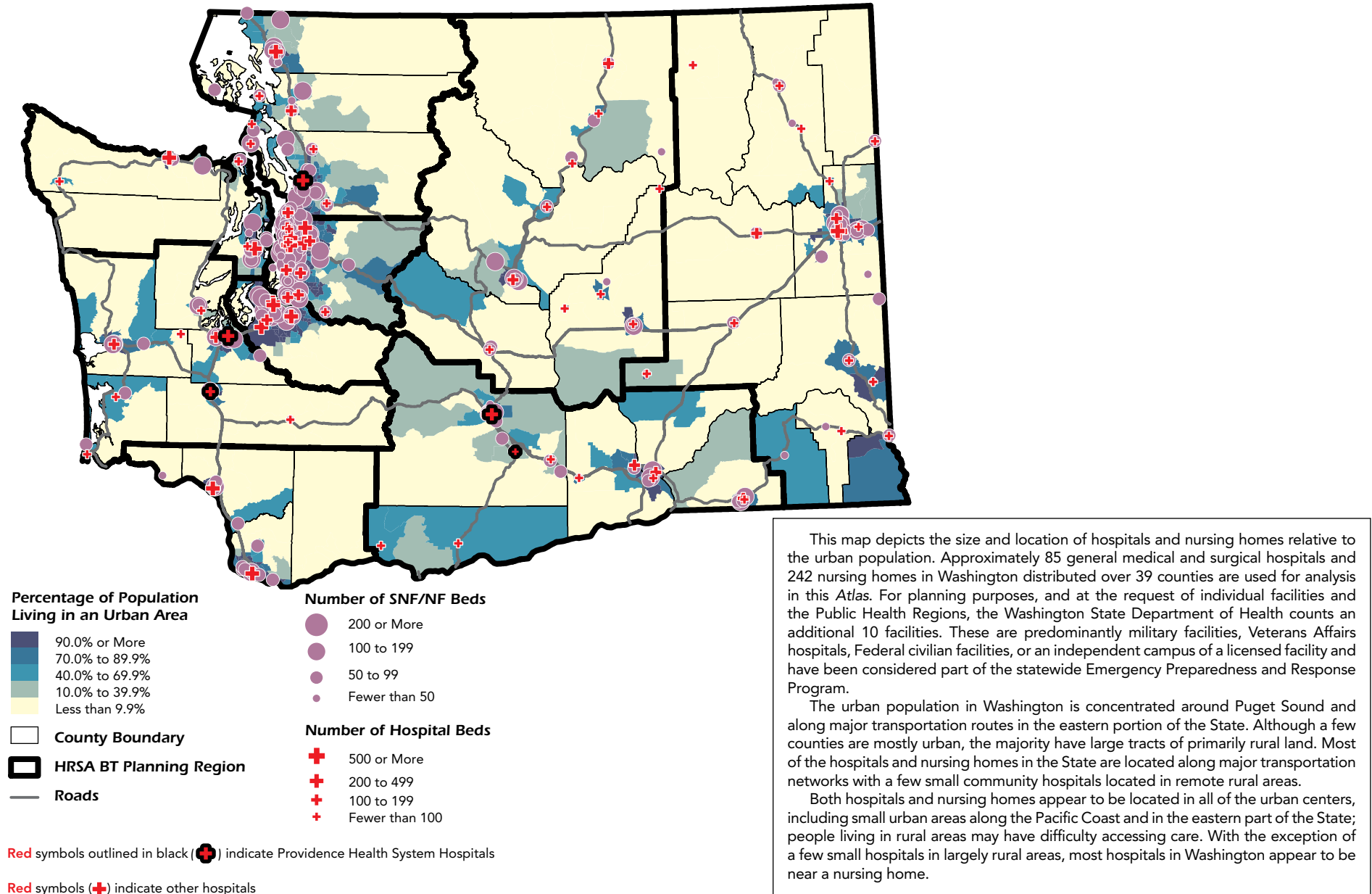


**MAP****PAGE**

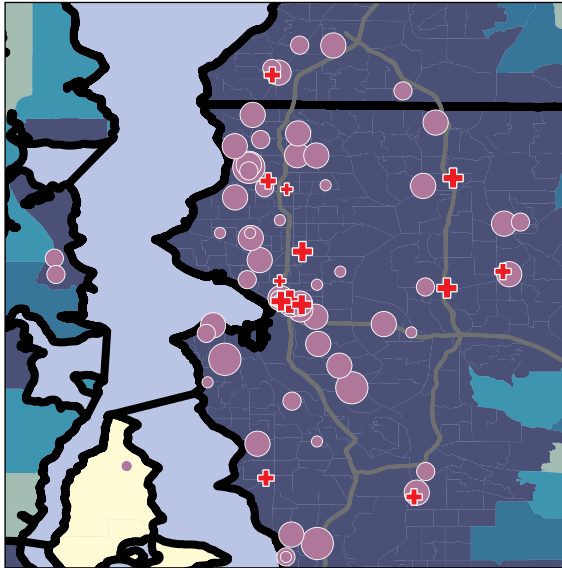
Nursing Homes and Hospitals Serving the Resident Population . . .	104
Major Cities . . . . .	105
HAZMAT Response . . . . .	106
Trauma Coordination . . . . .	106
Emergency Medical Services . . . . .	107
Emergency Management . . . . .	107
Relative Facility Location by County . . . . .	108
Relative Facility Location and Red Cross Chapters . . . . .	109
North EMS Region . . . . .	110
Northwest EMS Region . . . . .	111
Central EMS Region . . . . .	112
West EMS Region . . . . .	113
Southwest EMS Region . . . . .	114
North Central EMS Region . . . . .	115
South Central EMS Region . . . . .	116
East EMS Region . . . . .	117

# Nursing Homes and Hospitals Serving the Resident Population

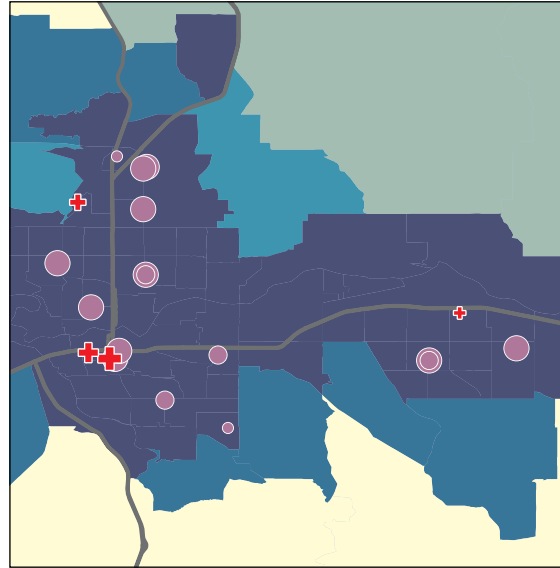


## Major Cities

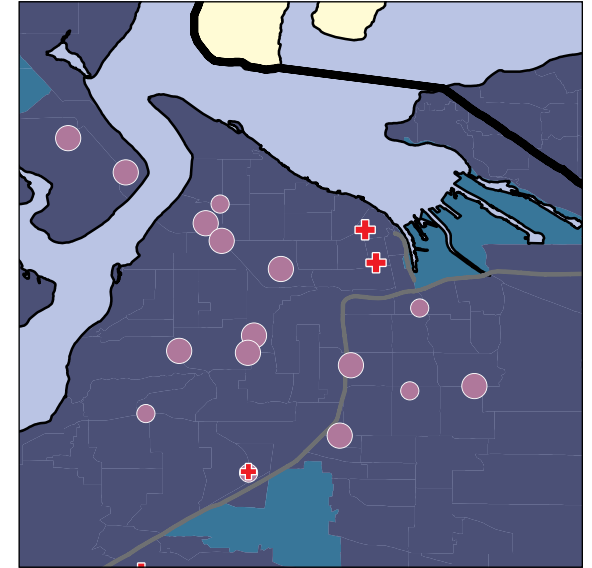
Seattle



Spokane



Tacoma



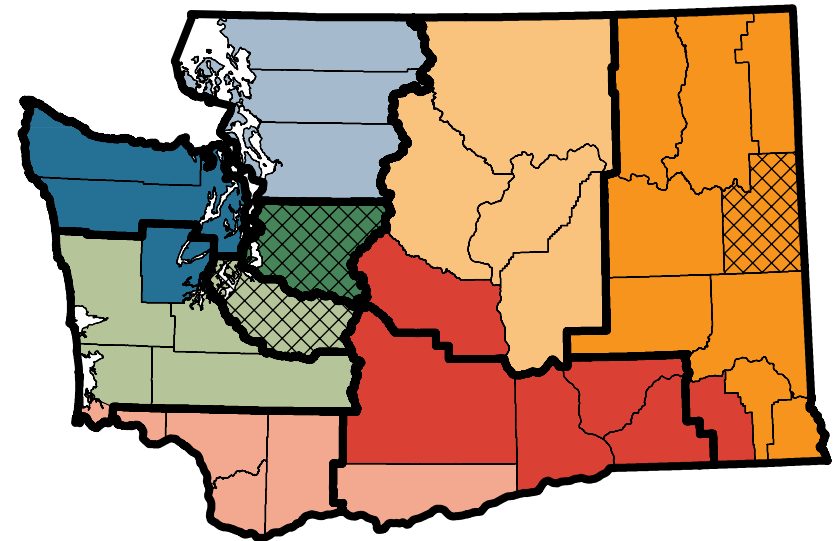
These maps allow for a closer look at three of Washington's large urban centers: Seattle, Spokane, and Tacoma. Seattle, Washington's largest city, is located on Puget Sound in the middle of the State. Spokane, in the eastern part of the State, is one of the State's few large urban centers. Tacoma is located at the south end of Puget Sound, just south of Seattle. Similar to the State-level map, the percentage of the population living in an urban area is displayed by census tract as are 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.

Seattle is the most heavily bedded city, although all three cities have several large hospitals with many large nursing homes close by. Spokane is unique in that it serves a large rural population from surrounding farming communities.

# HAZMAT Response

Hazardous materials (HAZMAT) response in Washington is not organized into regions. Instead, local fire departments are responsible for responding to incidents in their county. Two Level 1 teams are strategically located at opposite ends of the State, one in Seattle and one in Spokane.

## Trauma Coordination



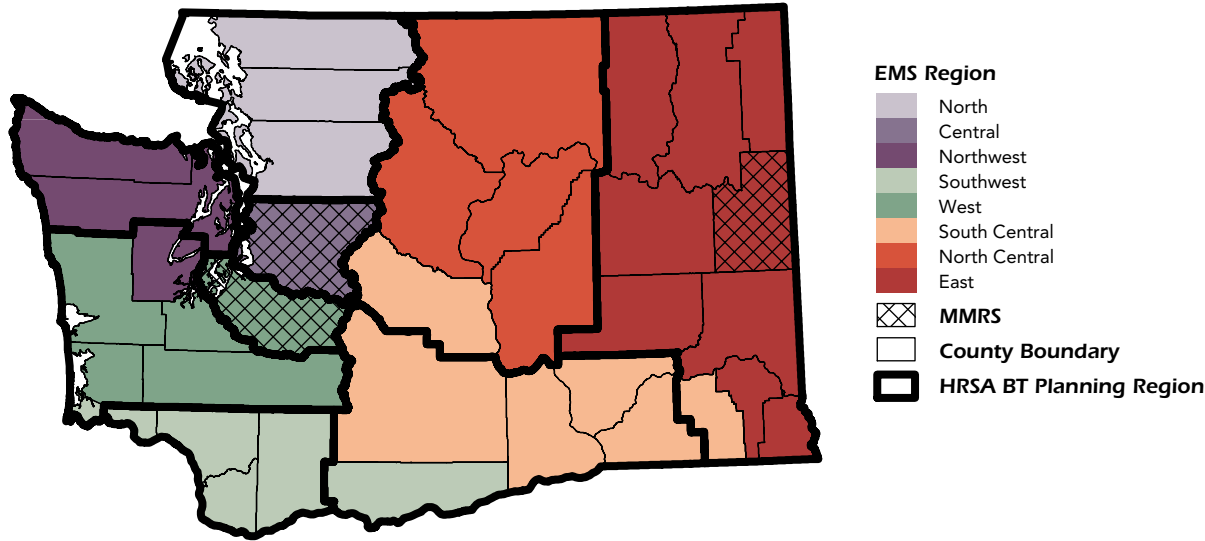
**Trauma Care Councils**

- North
- Northwest
- West
- Central
- Southwest
- South Central
- North Central
- East
- MMRS
- County Boundary
- HRSA BT Planning Region

Trauma services are coordinated by emergency medical services (EMS) and trauma care councils (TCCs) in Washington. Trauma regions are the same as EMS regions and are officially known as EMS and Trauma Care Regions. The EMS and Trauma Coordination systems were officially combined by legislation into one system in 1991. All are multicounty regions, with the exception of King County (the Central EMS and TC Region), in which Seattle is located. Four of the eight EMS and TC Regions differ slightly from the Public Health Regions).

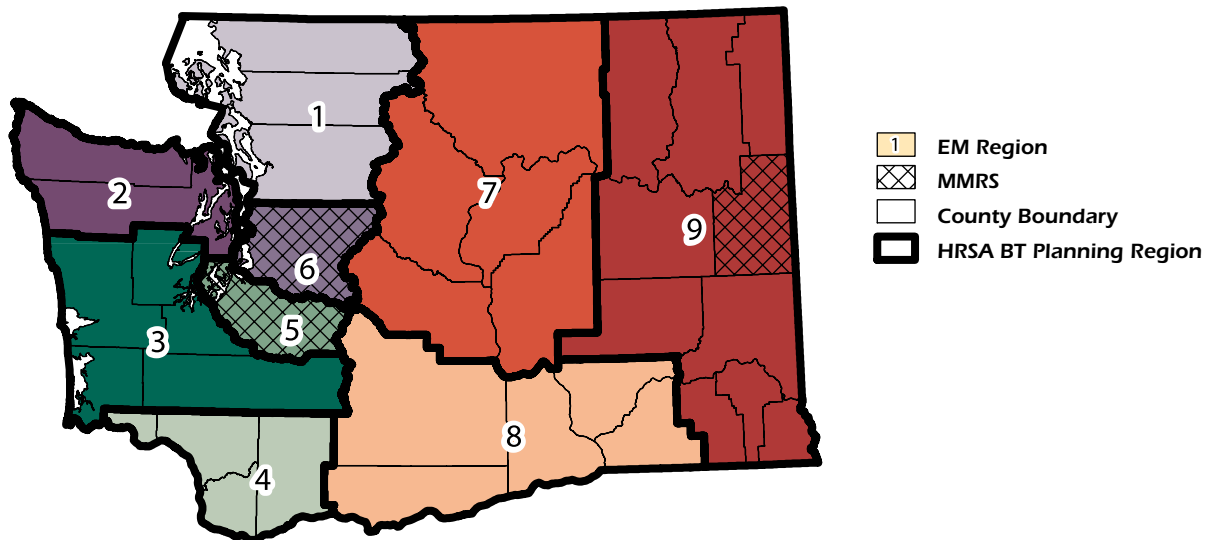


## Emergency Medical Services



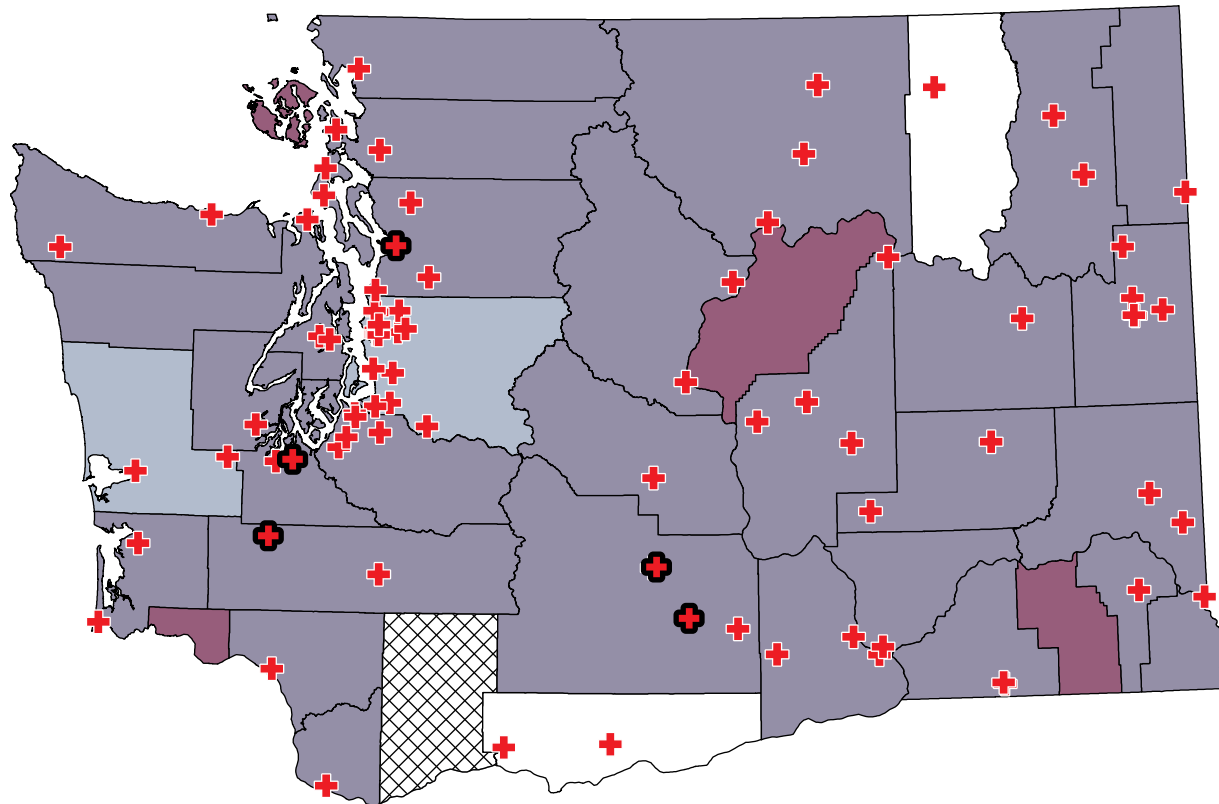
Emergency medical services (EMS) in Washington are organized around eight EMS and trauma care (TC) regions. EMS Regions are identical to trauma care councils (TCCs) and are officially known as EMS and Trauma Care Regions (see Trauma Coordination section). With the exception of King County, all are multicounty regions. Regions include full counties with the exception of the West and Southwest Regions, which split coastal Pacific County. The EMS Regions were originally developed using prehospital patient flow to treatment facilities. Four of the EMS Regions differ slightly from the Health Resources and Services Administration Bioterrorism (HRSAs BT) Regions (called Homeland Security Regions in Washington).

## Emergency Management



The Washington Emergency Management Committee established nine Homeland Security Regions to plan for and implement response to mass casualty and disaster incidents. These nine regions are used to distribute funds for the HRSAs BT hospital preparedness program. They were based on the EMS regions with some minor changes to the regional lines to accommodate existing county public health relationships. Two of the regions are single county; King and Pierce Counties contain Seattle and Tacoma, respectively. The largest region in area is Region 9, which spans much of the rural eastern region of the State.

## Relative Facility Location by County

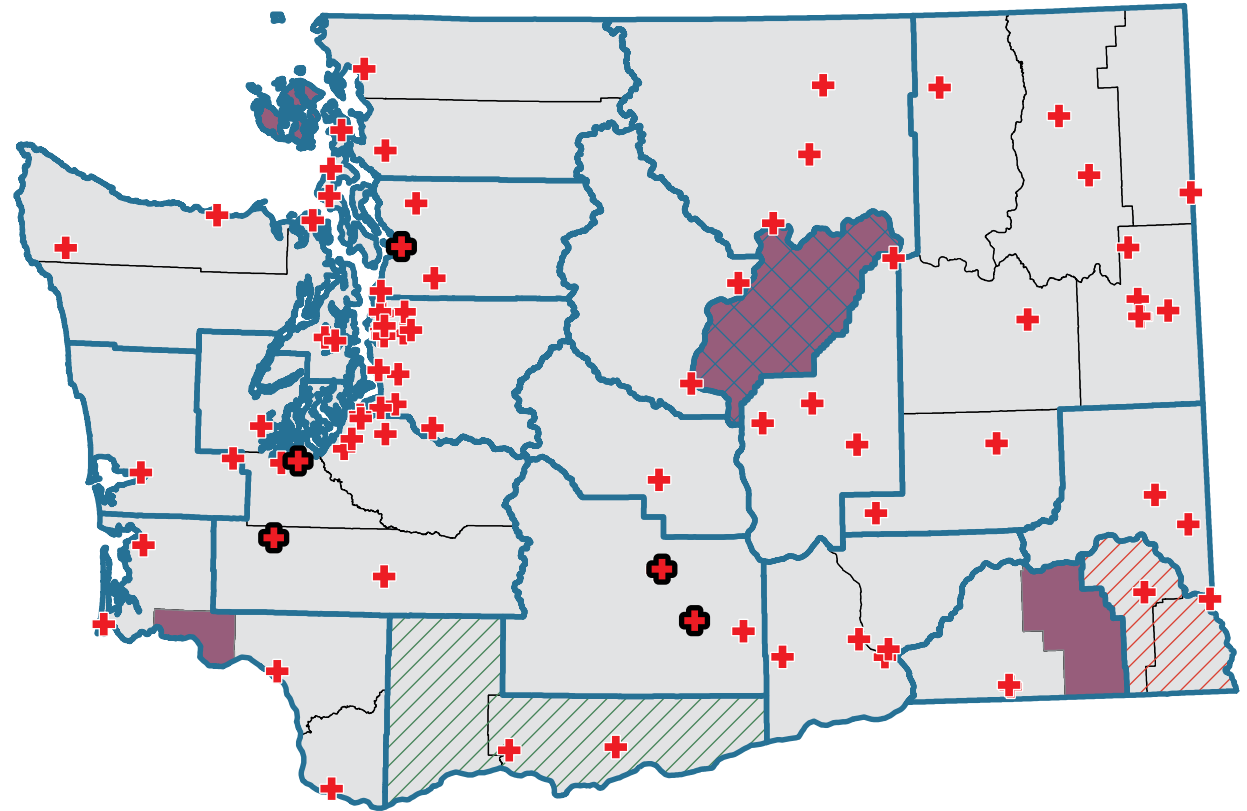


### Facility Type by County

- 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
- + Providence Health System Hospital

This map highlights counties containing nursing homes that are strategically located in rural areas with no hospitals. Four counties in Washington have one or more nursing homes and no hospitals: Wahkiakum County in the southwest corner, Columbia County in the southeast corner, San Juan County in the northwest, and Douglas County in the central part of the State. Columbia County has an acute long-term care facility in Dayton, Washington, that is not included in this analysis. Although Douglas County does not have a hospital within county lines, it is part of the Okanogan-Douglas County Public Hospital District (PHD) #1. The PHD hospital is located in Republic, Washington, on the Okanogan-Douglas county line. All four counties with no hospitals are largely rural and border on counties with hospitals, suggesting they could be used for surge capacity. Two counties in Washington have tertiary care hospitals, one on the coast and one in the Seattle area.

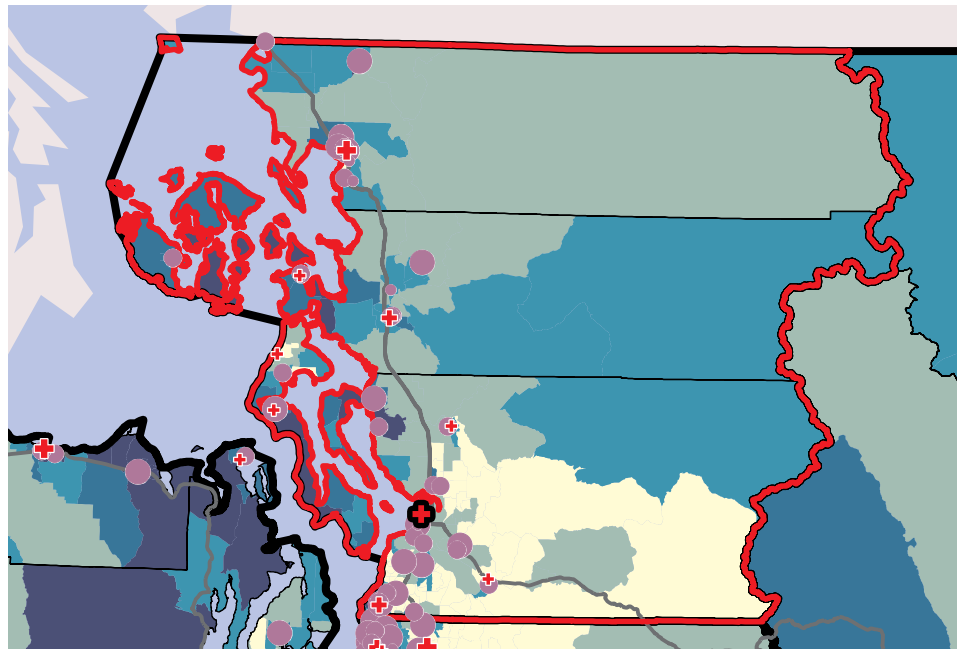
## Relative Facility Location and Red Cross Chapters



This map looks at areas with nursing homes and no hospitals relative to the Red Cross chapters operating in Washington. There are 20 Red Cross chapters in the State, and most serve multicounty regions. Two Washington counties are served by the Oregon Red Cross, and two are served by the Idaho Red Cross. Douglas County in central Washington, which has a nursing home and no hospital, is also jointly served by two Red Cross regions.

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

# North 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 North EMS Region, which has 9 hospitals, 1 of which is operated by Providence Health System, and 37 nursing homes. A majority of these nursing homes are located in Snohomish County, the southernmost county in the region, where the city of Everett is located. This county also has a concentration of census tracts with a low proportion of elderly persons. San Juan County, the cluster of islands in the northwest corner of the region, is the only county with no hospital, although there is one nursing home in this area and a large clinic that is usually staffed by several physicians.

The population pyramid shows a bubble in the population between the ages of 30 and 54, suggesting that the elderly population will grow in the next 10 years. However, the population as a whole is fairly stable in terms of growth.



**Percent 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**

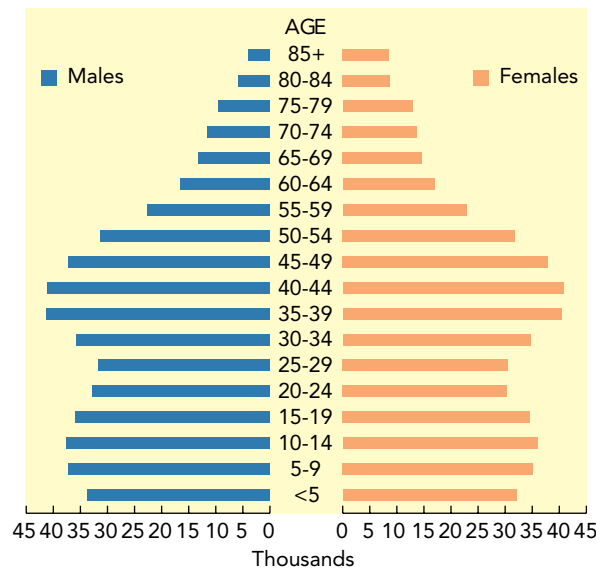
- 500 or More
- 200 to 499
- 100 to 199
- Fewer than 100

Red symbols outline in black (⊕) indicate Providence Health System Hospitals

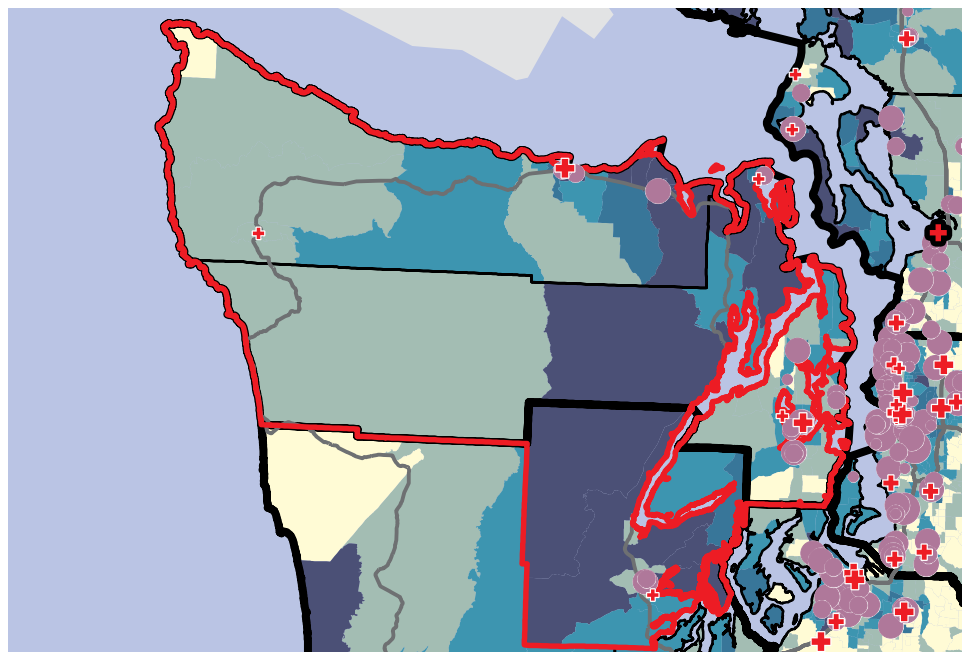
Red symbols (+) indicate other hospitals

County	Hospitals					SNFs/NFs		
	# of Facilities	Total Beds	Annual Admissions	Annual ER Visits	FTE RNs	# of Facilities	Total Beds	FTE RNs
Island	2	80	3,741	37,396	138	2	174	46
San Juan	0	0	0	0	0	1	64	8
Skagit	2	231	7,994	36,963	241	6	458	217
Snohomish	4	585	32,763	177,336	900	19	1,845	1,237
Whatcom	1	226	14,248	53,676	343	9	770	387

**Population by Sex and Age**



# Northwest 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 Northwest EMS Region, which has a total of 6 hospitals and 16 nursing homes. These resources are located, for the most part, in several larger coastal communities. The Olympic Mountain Range runs through the middle of this region; as it is mostly Federal parkland, the region is sparsely populated. The majority of the nursing homes in this region are located in Kitsap County, along the Puget Sound. Overall, this region has a fairly high proportion of elderly persons, especially in the rural areas.

The population pyramid shows a relatively stable population with little growth. There is a small bubble in the population aged 35 to 55, suggesting the elderly population will grow somewhat in the next 10 years.



**Percent 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** (Red outline)

**County Boundary** (Black outline)

**HRSA BT Planning Region** (Thick black outline)

**Roads** (Grey line)

**Number of SNF/NF Beds**

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

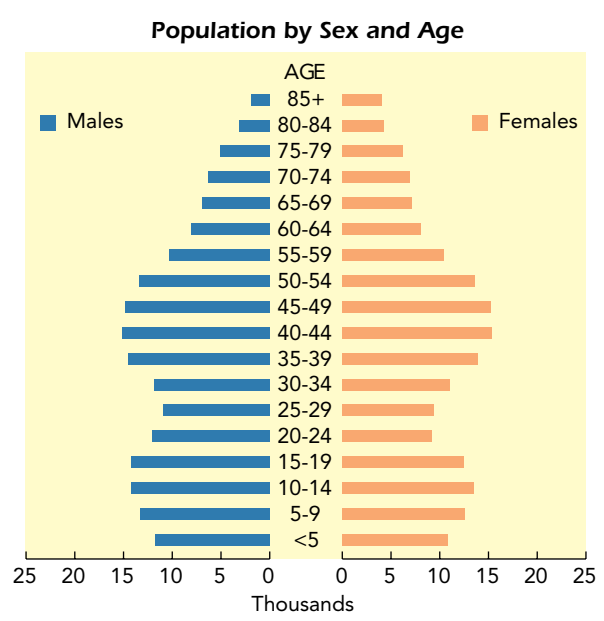
**Number of Hospital Beds**

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

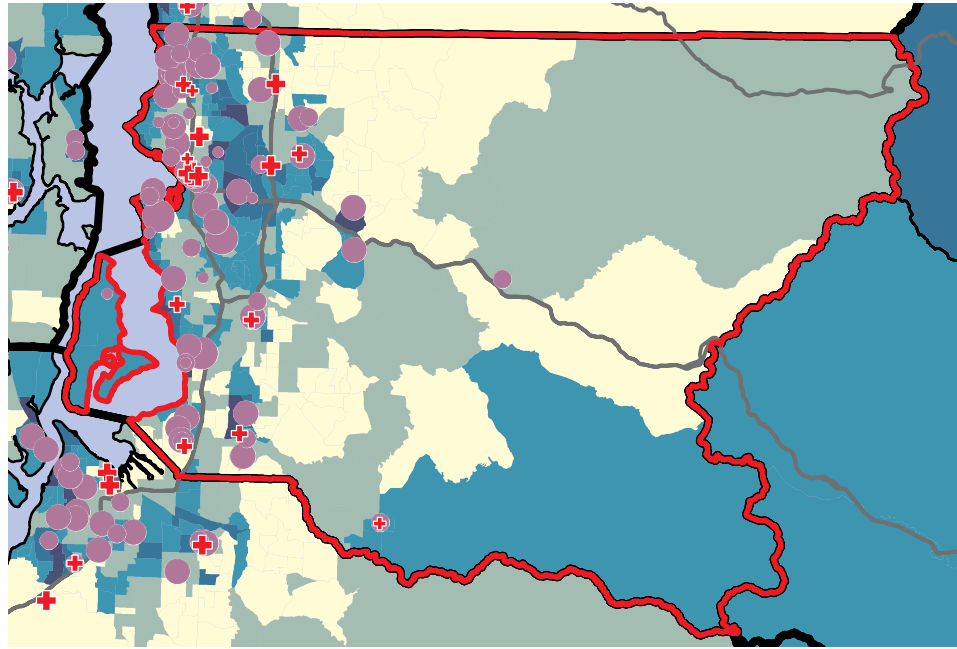
Red symbols outline in black (⊕) indicate Providence Health System Hospitals

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
Clallam	2	256	6,246	27,924	155	3	299	157
Jefferson	1	25	1,175	8,725	70	1	94	47
Kitsap	2	306	16,644	74,750	102	10	1,002	585
Mason	1	49	2,465	20,211	81	2	211	108



# Central 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 Central EMS Region. This region has one county, King, which contains the city of Seattle, the State's largest population center. King County has 15 hospitals, including a Level 1 trauma center, and 64 nursing homes. These facilities are clustered in the western portion of the county, near Puget Sound, in part because the Cascade Mountain Range runs through the eastern portion of the county, and this area is largely unpopulated. Clusters of census tracts near Seattle have a higher proportion of elderly persons, while more rural tracts in the eastern portion of the county have a lower proportion of elderly persons.

The population pyramid shows a large bubble in the population aged 25 to 49, possibly the young professional population. However, a smaller number of younger people (aged 10 or younger) suggests a slight decline in population growth.



### Percent 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

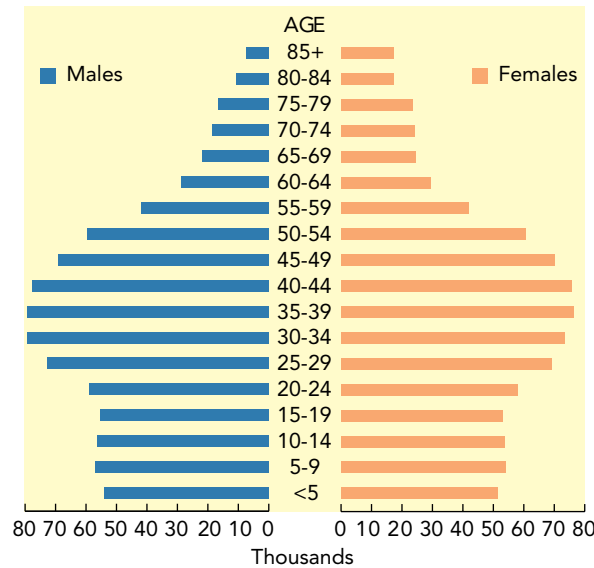
- 500 or More
- 200 to 499
- 100 to 199
- Fewer than 100

Red symbols outline in black (⊕) indicate Providence Health System Hospitals

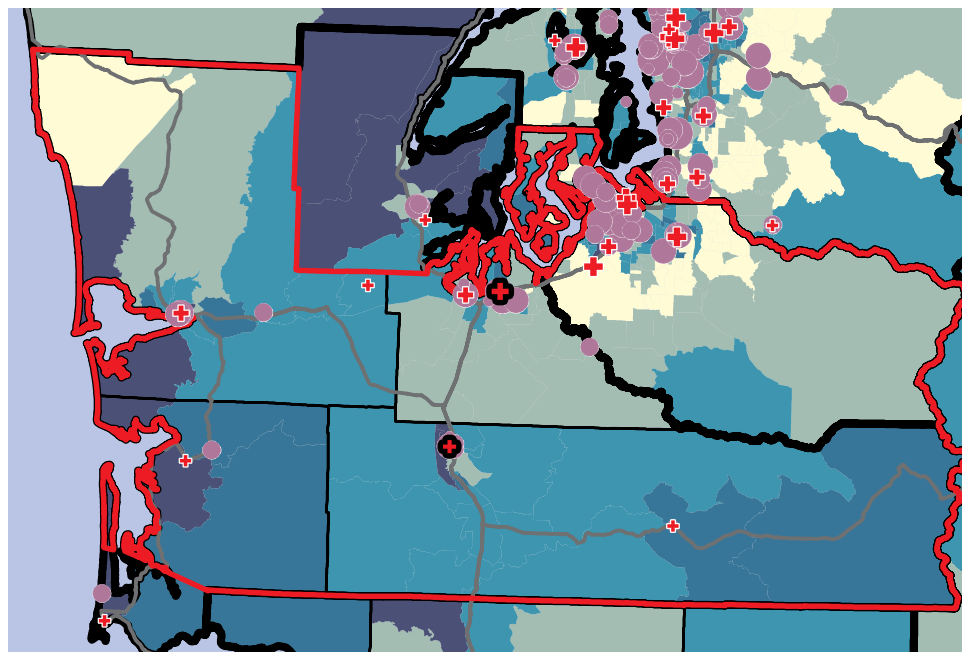
Red symbols (+) indicate other hospitals

County	Hospitals					SNFs/NFs		
	# of Facilities	Total Beds	Annual Admissions	Annual ER Visits	FTE RNs	# of Facilities	Total Beds	FTE RNs
King	15	3,069	165,043	531,318	5,628	64	6,798	3,915

### Population by Sex and Age



## 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 West EMS Region, which contains 12 hospitals, 2 of which are operated by Providence Health System, and 38 nursing homes. The region contains five counties, including the large population centers of Tacoma in Pierce County and Olympia in Thurston County. Hospitals and nursing homes are concentrated, for the most part, around Puget Sound, in coastal communities, and along transportation networks. Tacoma has the largest number of nursing homes, a total of 21. Only one hospital in this region does not have a nursing home close by. Census tracts along the coast appear to have a higher concentration of elderly persons while the census tracts around Tacoma, in the northeastern county of this region, appear to have a higher proportion of younger people.

The population pyramid shows two bubbles in the population: the 5- to 19-year-old population and the 30- to 49-year-old population, suggesting the presence of families with children, although population growth appears to be stable.



**Percent 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**

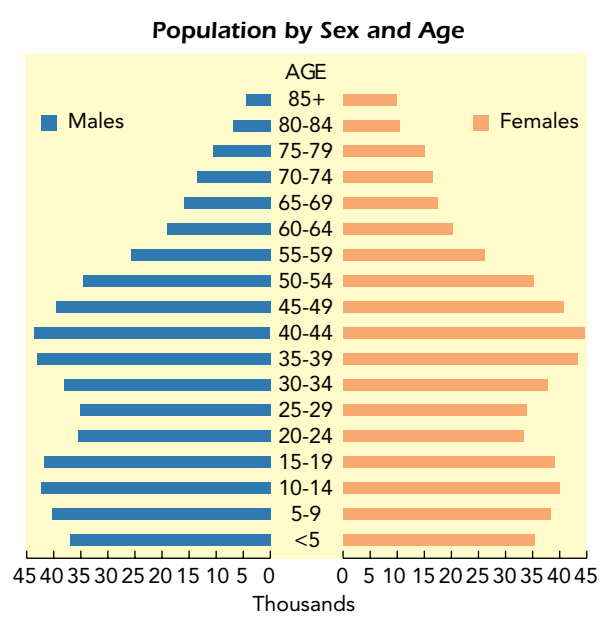
**County Boundary**

**HRSA BT Planning Region**

**Roads**

County	Hospitals					SNFs/NFs		
	# of Facilities	Total Beds	Annual Admissions	Annual ER Visits	FTE RNs	# of Facilities	Total Beds	FTE RNs
Grays Harbor	2	180	4,814	32,262	138	3	333	143
Lewis	2	173	6,094	32,173	132	6	400	215
Pacific*	1	17	483	4,257	19	1	80	38
Pierce	5	1,194	64,700	226,608	2,217	21	2,407	1,453
Thurston	2	434	21,950	73,914	539	7	677	462

\*Note: The portion of Pacific County included in the West EMS Region only has 1 hospital and 1 nursing home facility.



**Number of SNF/NF Beds**

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

**Number of Hospital Beds**

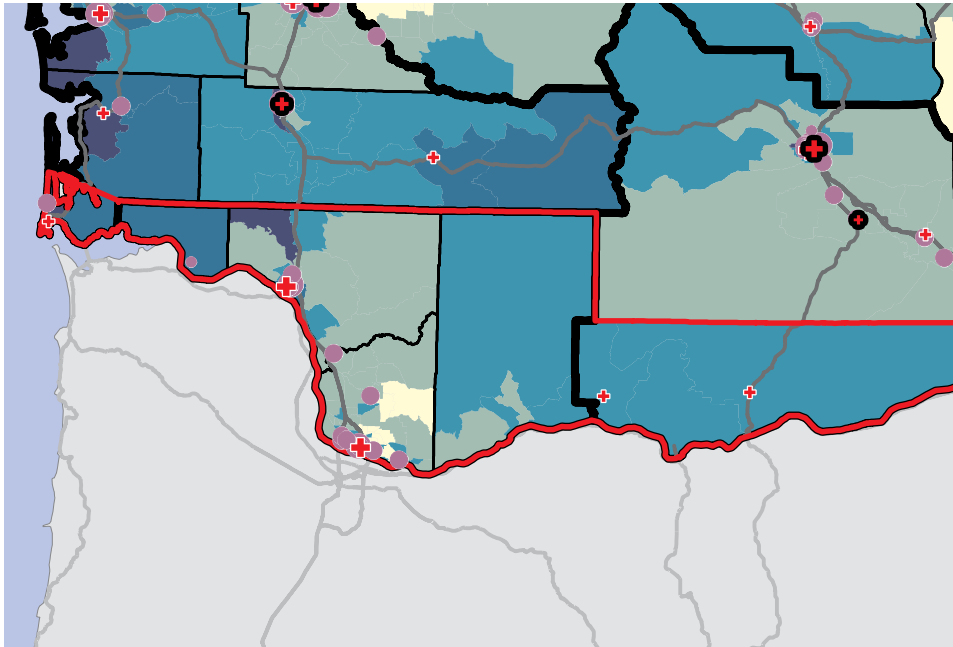
- 500 or More
- 200 to 499
- 100 to 199
- Fewer than 100

Red symbols outline in black (⊕) indicate Providence Health System Hospitals

Red symbols (⊕) indicate other hospitals



# Southwest 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 Southwest EMS Region, which has 5 hospitals and 16 nursing homes spread across six counties. Pacific County, the westernmost county in the region, is split between the Southwest and West EMS Regions. A majority of the hospital and nursing home resources are located along the major transportation corridor (Interstate 5), specifically in Clark County, which is part of the Portland, Oregon, metropolitan statistical area. Two counties in this region, Skamania and Wahkiakum, have no hospitals, while only Skamania has no nursing homes. Klickitat County, which is largely rural, has two small community hospitals, each with fewer than 100 beds. Census tracts in Clark County appear to have a lower concentration of elderly persons while the more rural census tracts in Pacific, Skamania, and Klickitat Counties have a high proportion of elderly persons. The population pyramid shows a large number of young people, suggesting moderate population growth in the area.



**Percent of Population Aged 65 or Older**

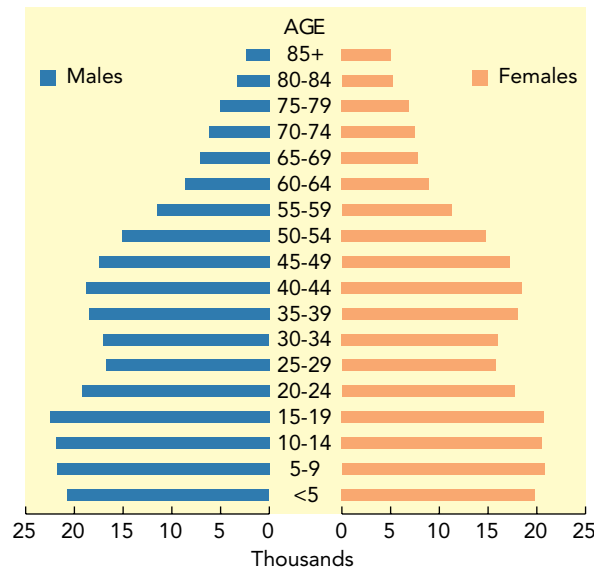
- 20.0% or More
- 16.0% to 19.9%
- 11.0% to 15.9%
- 7.0.0% to 10.9%
- Less than 7.0%

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

County	Hospitals					SNFs/NFs		
	# of Facilities	Total Beds	Annual Admissions	Annual ER Visits	FTE RNs	# of Facilities	Total Beds	FTE RNs
Clark	1	336	21,101	87,766	782	8	718	410
Cowlitz	1	202	8,976	46,288	211	6	428	216
Klickitat	2	39	1,546	5,614	45	0	0	0
Pacific*	1	15	518	7,186	20	1	60	31
Skamania	0	0	0	0	0	0	0	0
Wahkiakum	0	0	0	0	0	1	36	22

\*Note: The portion of Pacific County included in the Southwest EMS Region only has 1 hospital and 1 nursing home facility.

**Population by Sex and Age**



**Number of SNF/NF Beds**

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

**Number of Hospital Beds**

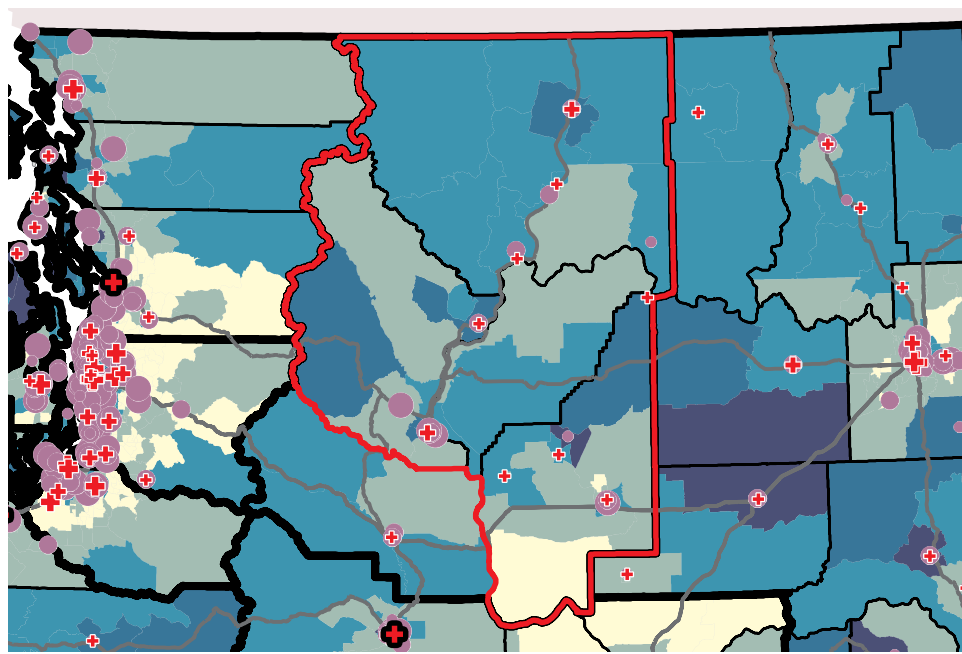
- 500 or More
- 200 to 499
- 100 to 199
- Fewer than 100

Red symbols outline in black (⊕) indicate Providence Health System Hospitals

Red symbols (+) indicate other hospitals



# North Central 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 North Central EMS Region. The region consists of four counties and is mostly in a rural and mountainous region of the State. The 9 hospitals and 13 nursing homes in the region tend to be located along major transportation routes. Grant County, in the southeast corner of the region, has the greatest number of hospitals although all are smaller community hospitals with fewer than 100 beds. In fact, most of the hospitals in this region are small and serve rural populations. Chelan County has the highest number of nursing homes, three of which are very large with 200 or more beds. Douglas County has no nursing homes or hospitals.

The population pyramid shows a relatively small population that is fairly stable in terms of population growth.



**Percent of Population Aged 65 or Older**

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

**EMS Region** (Red outline)

**County Boundary** (Black outline)

**HRSA BT Planning Region** (Thick black outline)

**Roads** (Grey line)

**Number of SNF/NF Beds**

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

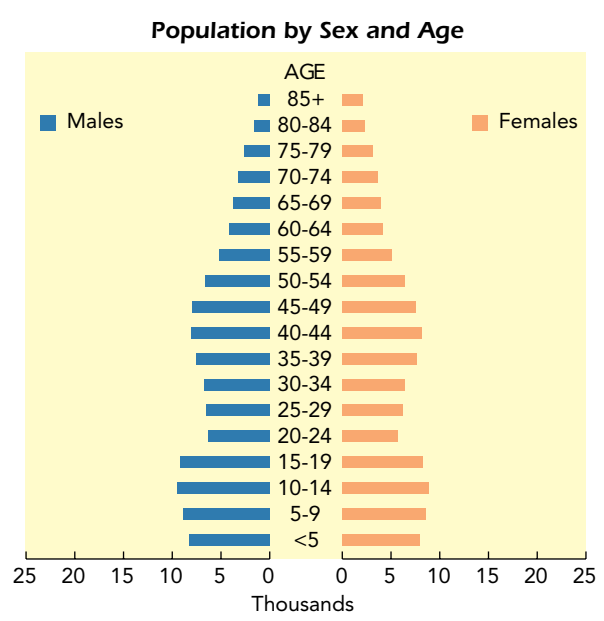
**Number of Hospital Beds**

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

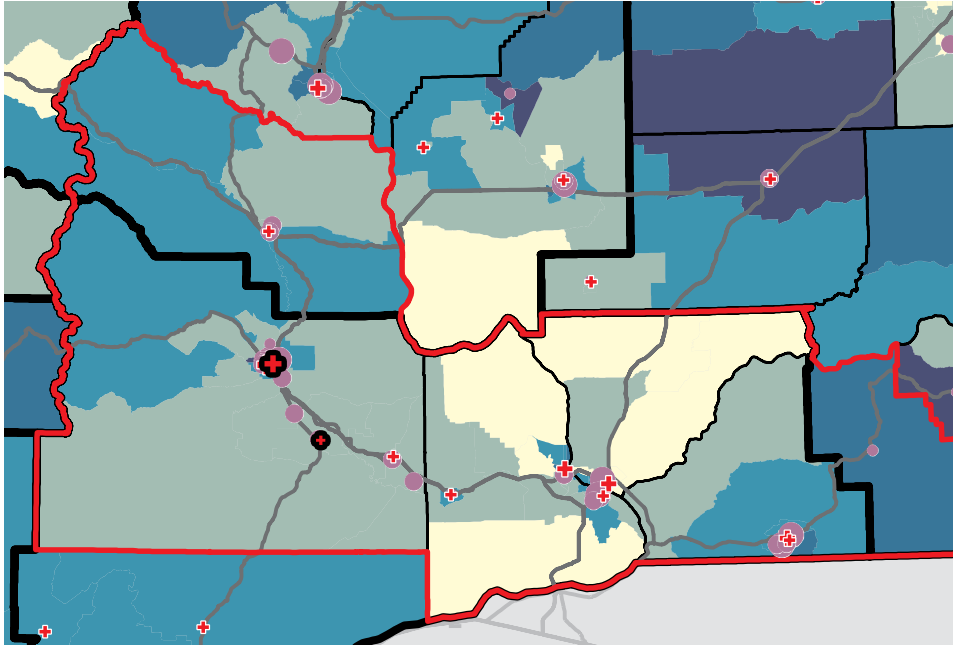
Red symbols outline in black (⊕) indicate Providence Health System Hospitals

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
Chelan	2	193	9,295	33,766	324	5	339	209
Douglas	0	0	0	0	0	1	101	55
Grant	4	214	4,146	25,684	144	3	227	78
Okanogan	3	199	3,239	14,572	113	4	220	129

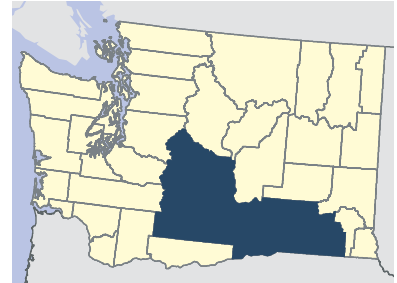


# South Central EMS Region



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 South Central EMS Region that has several of the large population centers on the State's eastern side: Yakima and the Tri-cities of Richland, Pasco, and Kennewick. There are 11 hospitals and 27 nursing homes in this region, with 2 operated by Providence Health System that are in Yakima County. Columbia County has no hospital, although a small nursing home and an acute long-term care facility are in Dayton, Washington (not included in this analysis). Yakima County has the most nursing homes and the largest hospital. The census tracts in Yakima also have a fairly higher proportion of elderly persons. The census tracts in Benton and Franklin Counties, where the Tri-cities are located, have a relatively lower proportion of elderly persons.

The population pyramid shows a large young population and a bubble in the population aged 35 to 49, indicating the presence of young families. Because the young population is larger than the older groups, there appears to be moderate population growth in this region.



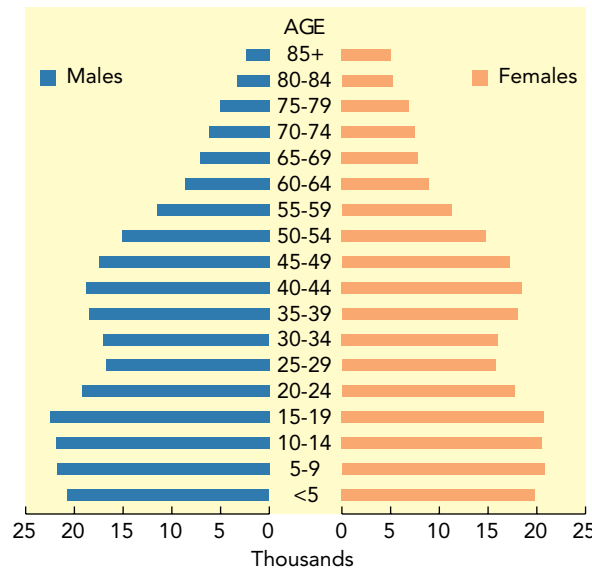
**Percent of Population Aged 65 or Older**

- 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

County	Hospitals					SNFs/NFs		
	# of Facilities	Total Beds	Annual Admissions	Annual ER Visits	FTE RNs	# of Facilities	Total Beds	FTE RNs
Benton	3	299	13,914	72,873	447	4	302	197
Columbia	0	0	0	0	0	1	46	30
Franklin	1	132	3,385	23,959	78	2	142	81
Kittitas	1	38	1,275	11,229	49	2	156	78
Walla Walla	2	147	6,289	25,116	209	5	413	221
Yakima	4	513	20,439	108,870	731	13	1,065	2,681

**Population by Sex and Age**



**Number of SNF/NF Beds**

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

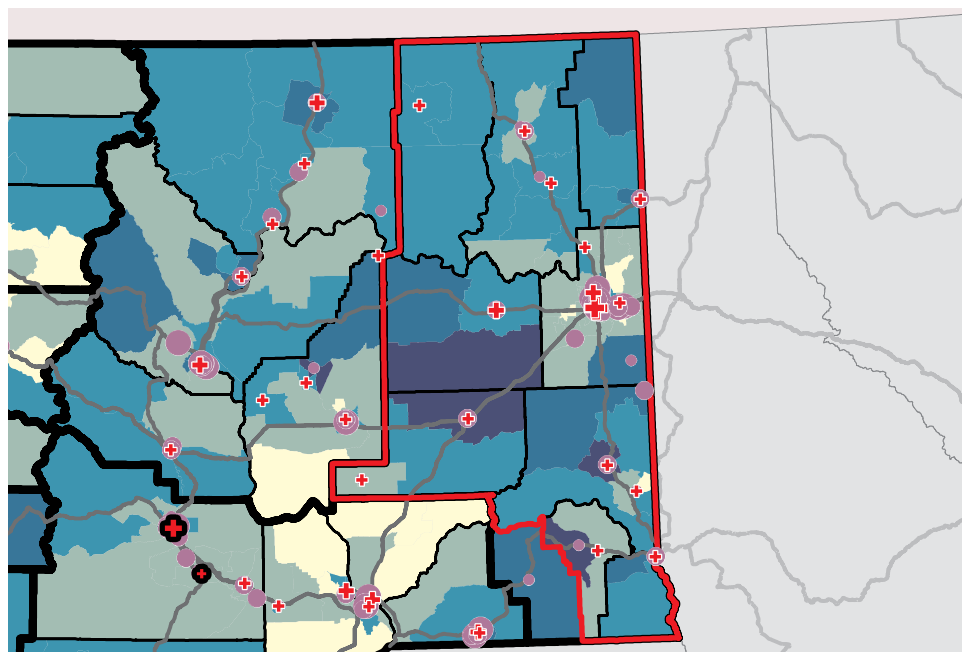
**Number of Hospital Beds**

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

Red symbols outline in black (⊕) indicate Providence Health System Hospitals

Red symbols (+) indicate other hospitals

## East EMS Region



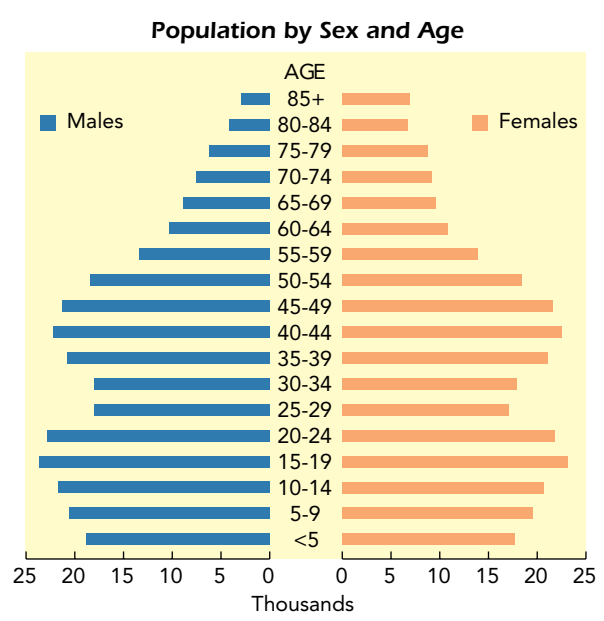
This map examines the size and location of nursing homes and hospitals relative to the distribution of the population aged 65 or older in the East EMS Region. This region has 16 hospitals and 31 nursing homes spanning the nine counties in the region. Most are located along major transportation routes. This region is the largest in area and contains the major population center in Eastern Washington, the city of Spokane in Spokane County. Much of this region is rural farmland and sparsely populated. Spokane has the largest number of hospitals and nursing homes in the region, and its census tracts have a younger population compared with the more rural areas of the region. Most of the other hospitals in the region are smaller community hospitals.

The population pyramid shows two bubbles in the population: the 10- to 24-year-old population and the 35- to 54-year-old population, suggesting both the presence of families with children and the large college-age population at the universities in two cities in the region, Spokane and Pullman.



- Percent 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**

County	Hospitals					SNFs/NFs		
	# of Facilities	Total Beds	Annual Admissions	Annual ER Visits	FTE RNs	# of Facilities	Total Beds	FTE RNs
Adams	2	35	1,244	6,597	36	2	99	43
Asotin	1	41	1,682	7,754	85	1	90	60
Ferry	1	25	264	1,844	19	0	0	0
Garfield	1	45	134	515	19	1	20	30
Lincoln	0	0	0	0	0	1	71	64
Pend Oreille	3	164	1,521	15,628	59	1	50	34
Spokane	4	1,207	49,953	152,115	1,586	19	1,763	1,060
Stevens	2	133	1,852	10,849	64	3	172	107
Whitman	2	49	1,900	9,700	91	3	182	54



- 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 outline in black (⊕) indicate Providence Health System Hospitals
- Red symbols (⊕) indicate other hospitals

