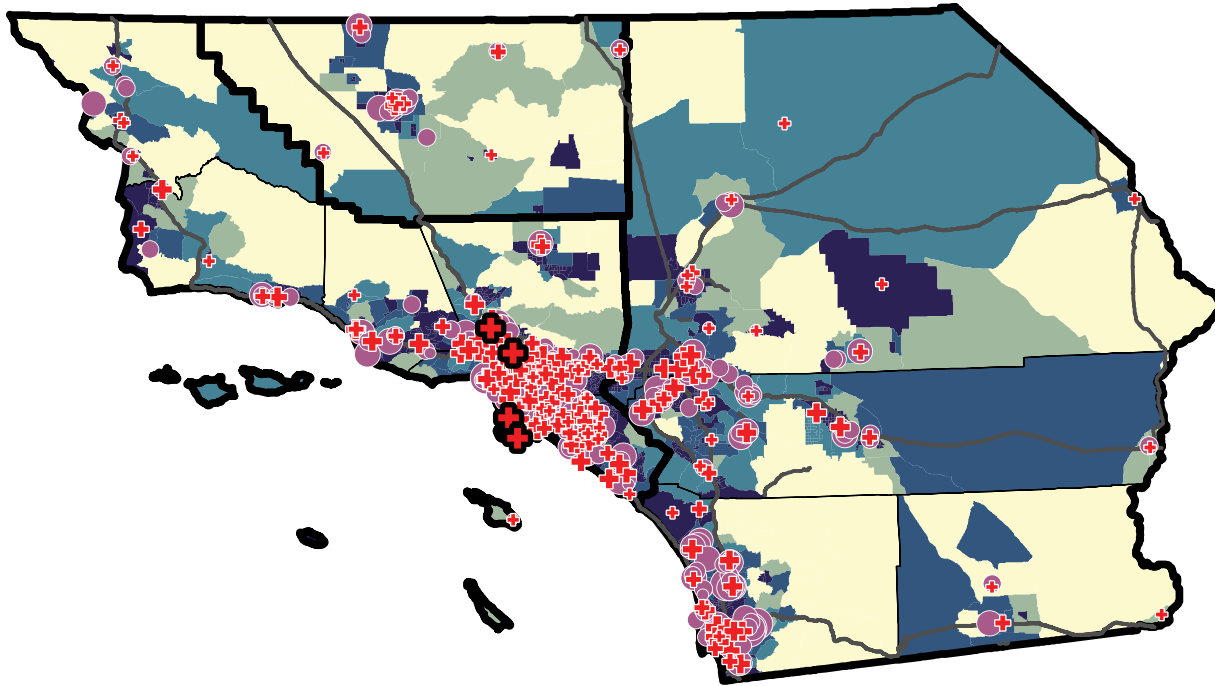


**MAP****PAGE**

Nursing Homes and Hospitals Serving the Resident Population . . .	72
Major Cities . . . . .	73
HAZMAT Response . . . . .	74
Trauma Coordination . . . . .	74
Emergency Medical Services . . . . .	75
Emergency Management . . . . .	75
Relative Facility Location by County . . . . .	76
Relative Facility Location and Red Cross Chapters . . . . .	77
San Luis Obispo EMS Region . . . . .	78
Santa Barbara EMS Region . . . . .	79
Kern EMS Region . . . . .	80
Inland Counties EMS Region . . . . .	81
Ventura County EMS Region . . . . .	82
Los Angeles EMS Region . . . . .	83
Orange County EMS Region . . . . .	84
Riverside EMS Region . . . . .	85
San Diego EMS Region . . . . .	86
Imperial EMS Region . . . . .	87

# 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 Providence Health System Hospitals

Red symbols (+) indicate other hospitals

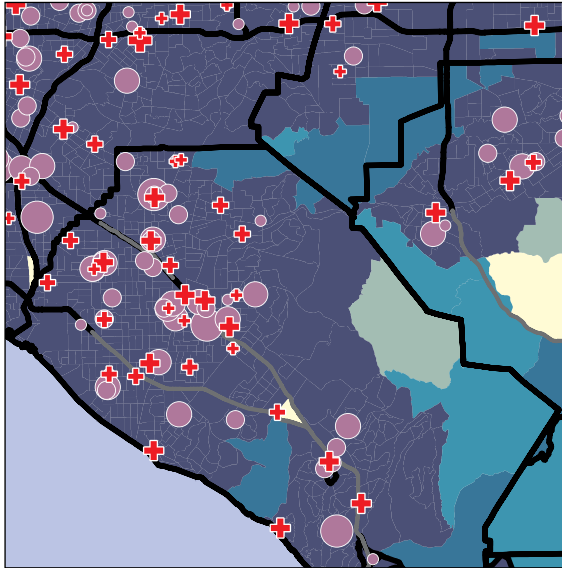
This map depicts the size and location of hospitals and nursing homes relative to the urban population in Southern California. There are approximately 205 hospitals and 718 nursing homes in Southern California distributed over 10 counties.

The urban population in Southern California is concentrated in Los Angeles and Orange Counties, north along the coast toward Santa Barbara and south toward San Diego and along major transportation routes to the east. All counties in this region have highly concentrated urban areas; Orange and Riverside Counties are almost entirely urban. However, most counties also have large tracts of primarily rural land, much of which is desert or national parkland. A majority of the hospitals and nursing homes in Southern California are concentrated in Orange County, the southern portion of Los Angeles, and San Diego. Most of the major urban centers in other counties in this region also have a hospital, although most are relatively small.

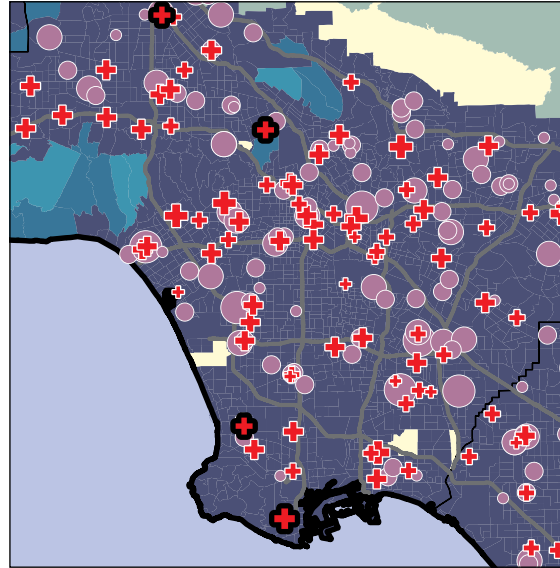
Although there appear to be large tracts of land with no nursing homes or hospitals, much of this land is desert or State and national parkland with very few residents or farmland served by one of the urban centers that do contain these resources. With the exception of a few small hospitals in largely rural areas, most hospitals in Southern California appear to be near a nursing home.

## Major Cities

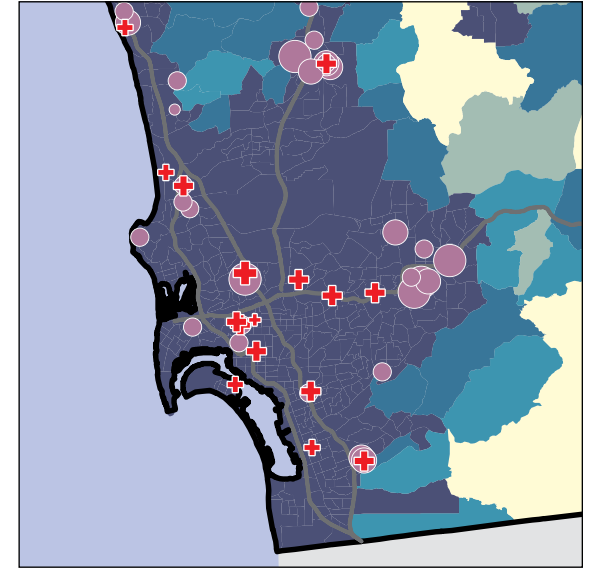
Anaheim



Los Angeles



San Diego



These maps allow for a closer look at three of Southern California's large urban centers: Los Angeles, Anaheim, and San Diego. Anaheim is just south of Los Angeles, and San Diego is farther south, bordering Mexico. 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.

Los Angeles has the most hospitals, hospital beds, and nursing homes, although all three cities have at least one large hospital (500 or more beds) and several large nursing homes. San Diego has the smallest population and has fewer health facilities as a result. Nearly 100 percent of the population in all three cities is urban, although all three cities have fairly rural tracts of land to the north or east.

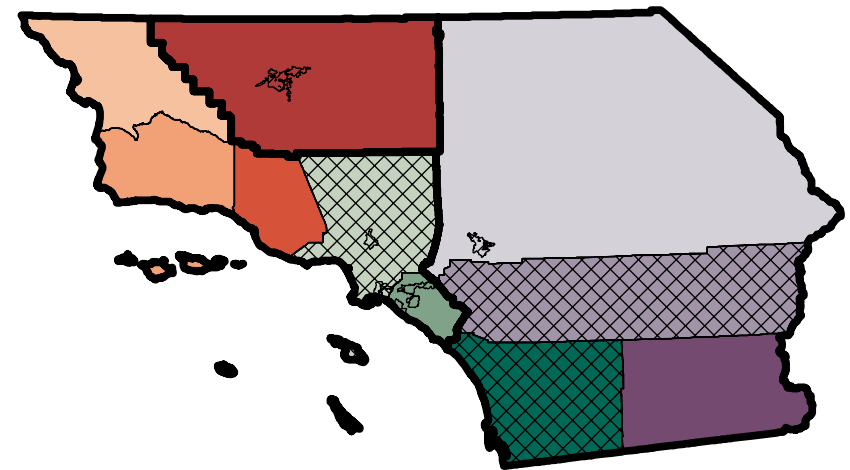
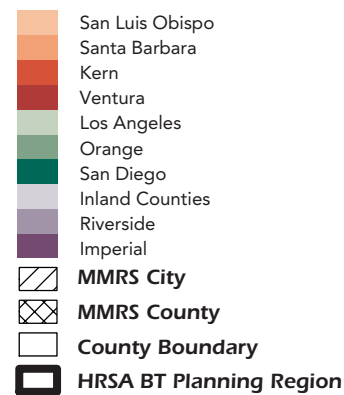
## HAZMAT Response

Hazardous materials (HAZMAT) response in Southern California is, for the most part, organized around county and local fire departments, which are responsible for responding to incidents in their counties. Mutual Aid Region Coordinators assist local agencies when larger HAZMAT situations occur and additional resources are required that cannot be provided locally.

## Trauma Coordination

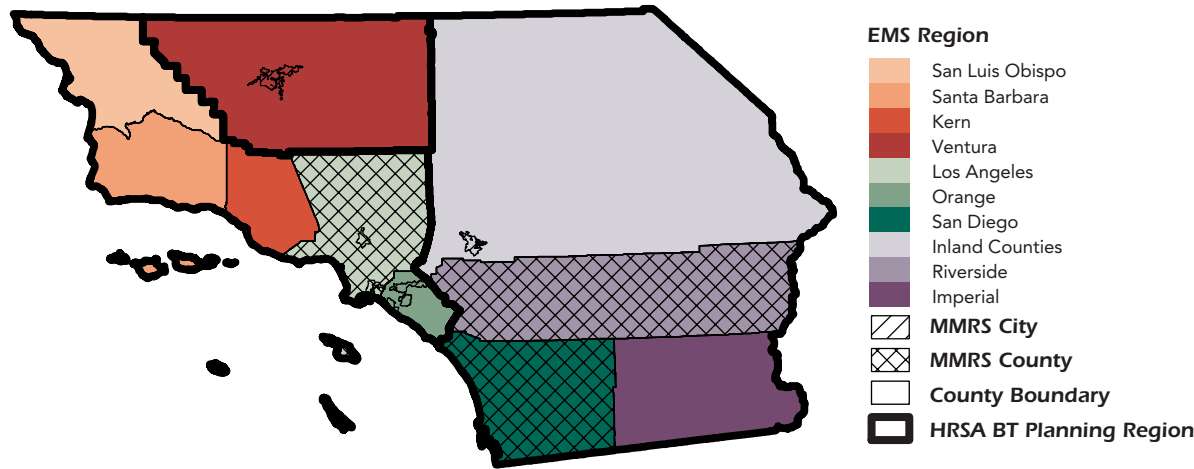
Trauma services in Southern California are coordinated by local emergency medical service agencies (LEMSAs) and, therefore, have the same boundaries as emergency medical services (EMS) regions. LEMSAs are responsible for developing and implementing a regional trauma plan. All are single-county regions, with the exception of the Imperial County EMS region, which includes San Bernardino, Inyo, and Mono Counties (the latter two counties are not included in this map because they extend north of Southern California). Because the EMS regions are mostly county based, no counties are split by Health Resources and Services Administration Bioterrorism (HRSA BT) Regions (called Mutual Aid Regions in California). There are 10 metropolitan medical response systems (MMRSs) in Southern California; three are county based (Los Angeles, Riverside, and San Bernardino) and seven are city based (Anaheim, Bakersfield, Glendale, Huntington Beach, Long Beach, San Bernardino, and Santa Ana).

### Trauma Region



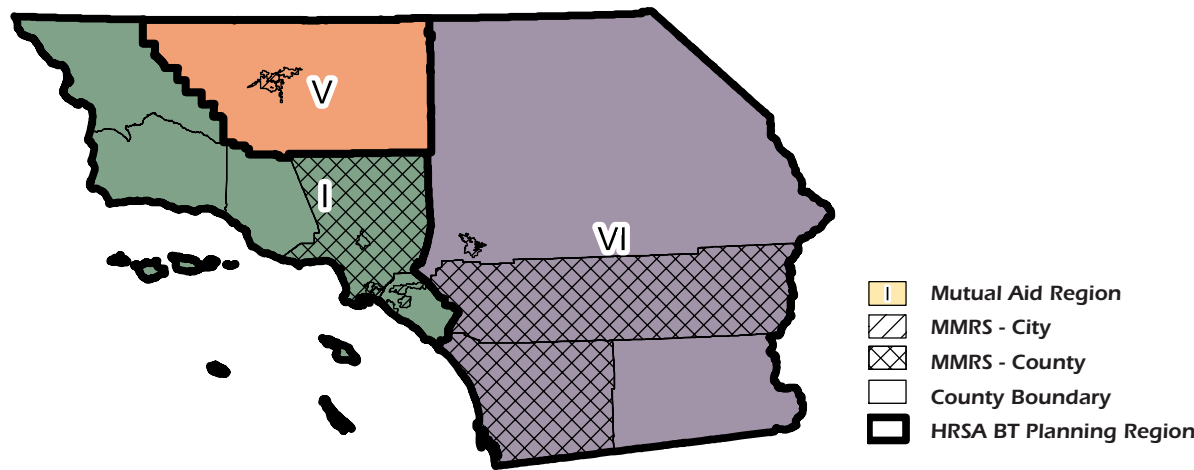


## Emergency Medical Services



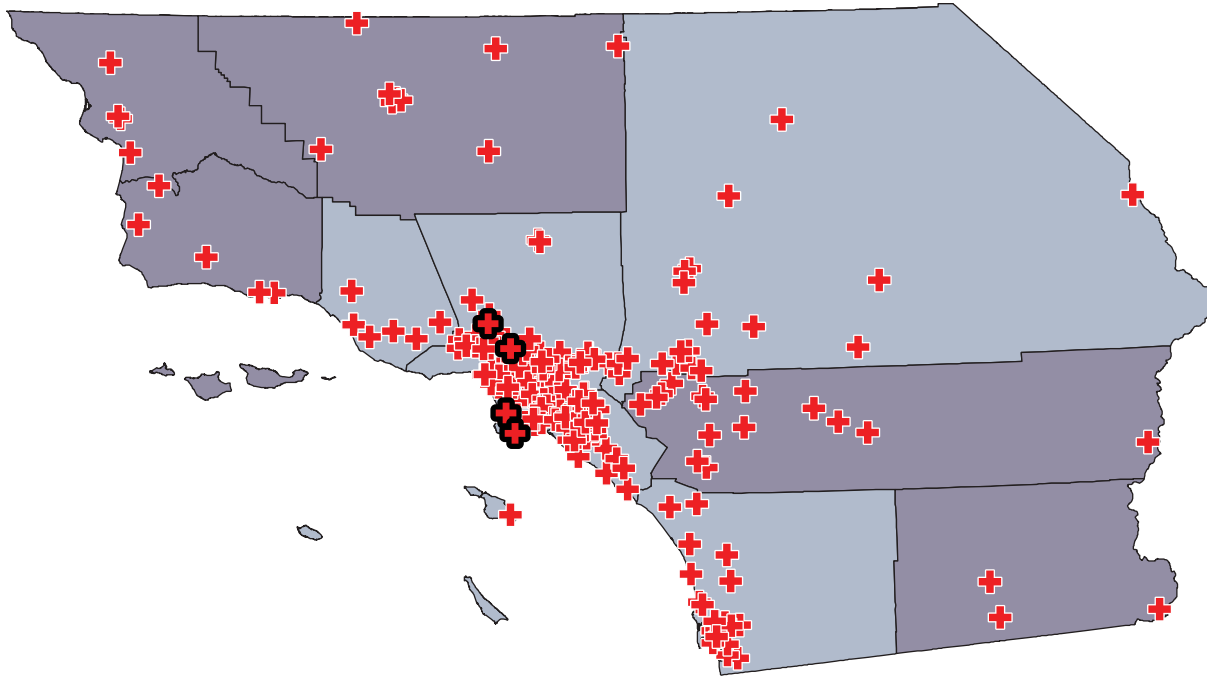
Emergency medical services (EMS) are organized around 11 regions in Southern California (called local EMS agencies or LEMSAs). All are single-county regions, with the exception of the Imperial County EMS region, which includes San Bernardino, Inyo, and Mono Counties (the latter two counties are not included in this map because they extend north of Southern California). Daily EMS management and medical direction is conducted by the LEMSA, which also distributes resources to hospitals in the region. Because the EMS regions are mostly county based, no counties are split by Health Resources and Services Administration Bioterrorism Regions (called Mutual Aid Regions in California). EMS Regions are identical to trauma regions.

## Emergency Management



Three Mutual Aid Regions (MARs) in Southern California are used to coordinate large-scale emergency management activities. They are identical to the public health regions, which are used to distribute funds for the HRSA BT preparedness program. Regions VI and V extend north of Southern California (VI includes Inyo and Mono Counties and V includes six additional counties to the north), while Region I only includes the counties shown on the map. The largest region in Southern California in terms of land area is VI, which spans much of the eastern border of the State.

## Relative Facility Location by County

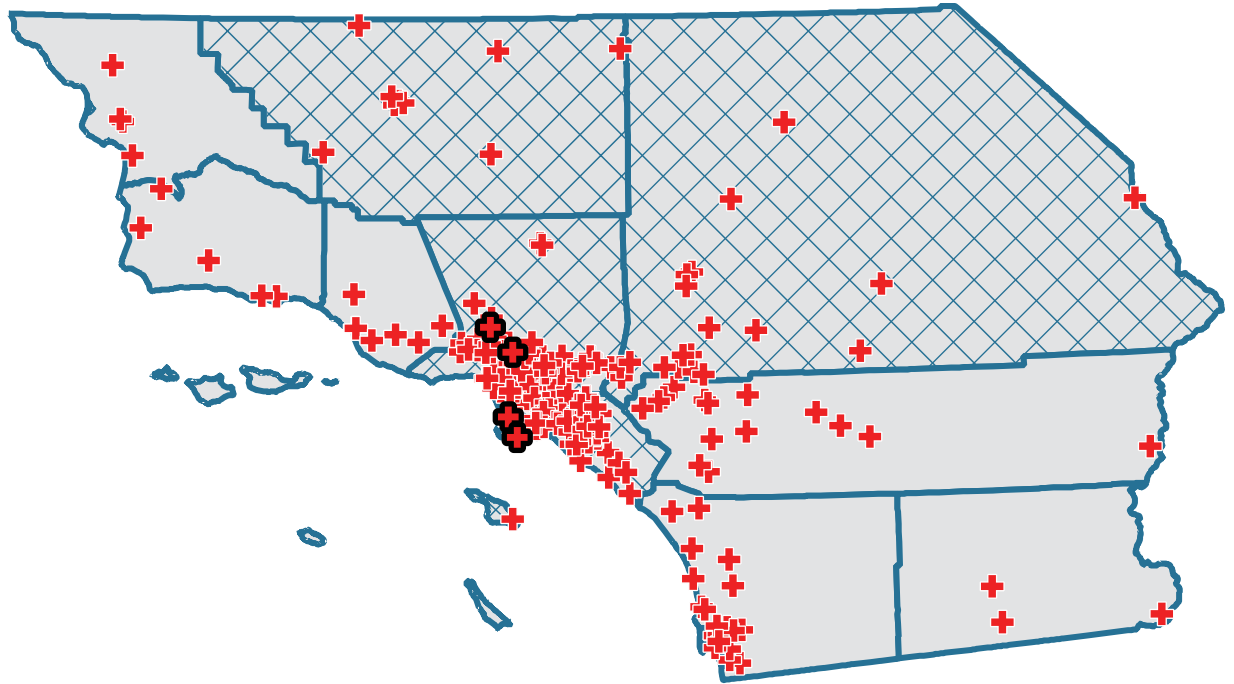


### Facility Type by County







- 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. All of the counties in Southern California have several nursing homes and hospitals, and 5 of the 10 counties have Level 1 trauma centers (Ventura, Los Angeles, Orange, San Bernardino, and San Diego).

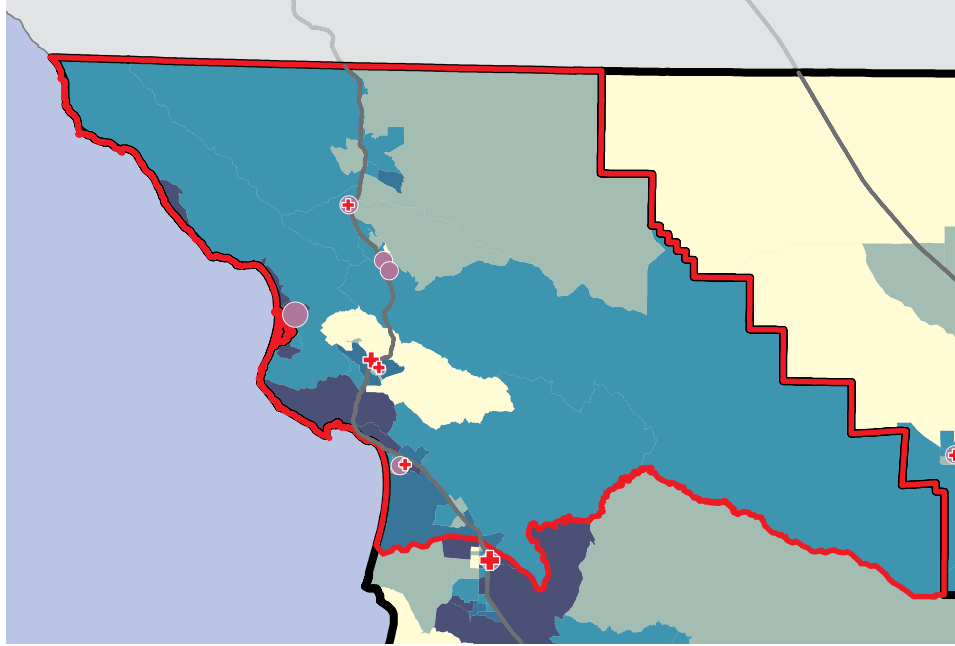
## Relative Facility Location and Red Cross Chapters



This map looks at areas with nursing homes and no hospitals relative to the Red Cross chapters operating in Southern California. There are 18 Red Cross chapters in Southern California, and many serve multicounty regions. Service areas overlap significantly for the different chapters, with four counties (Los Angeles, Orange, Kern, and San Bernardino) jointly served by two or more chapters. Los Angeles County is served by eight different chapters, while San Bernardino and Kern are served by three and two, respectively. There are no regions with a nursing home and no hospital, so this combination of variables does not appear on this map.

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

# San Luis Obispo 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 San Luis Obispo EMS Region, which is in the northwestern corner of Southern California on the Pacific coast. Much of this region is rural farmland and national forest. There are four hospitals and nine nursing homes in this region; all facilities are located along the major transportation route running north-south through the county, with the exception of one large nursing home on the coast. Most of the census tracts in San Luis Obispo have a fairly high proportion of elderly persons, with the exception of a cluster of tracts in the middle of the county.

The population pyramid shows a relatively small population with bubbles for ages 10 to 24 and ages 35 to 54. In addition, this region has a larger group of elderly persons than other regions in Southern California. The younger population appears to be decreasing, suggesting a slight population decline.



### Percentages 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
- 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

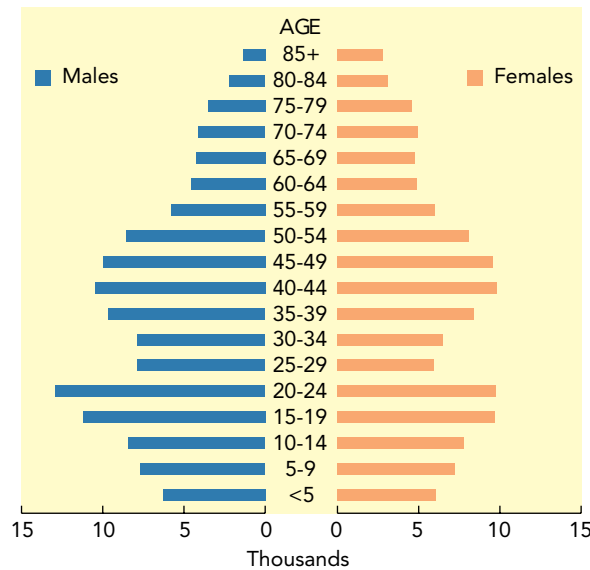
- + 500 or More
- + 200 to 499
- + 100 to 199
- + Fewer than 100

Red symbols outlined in black (+) indicate Providence Health System Hospitals

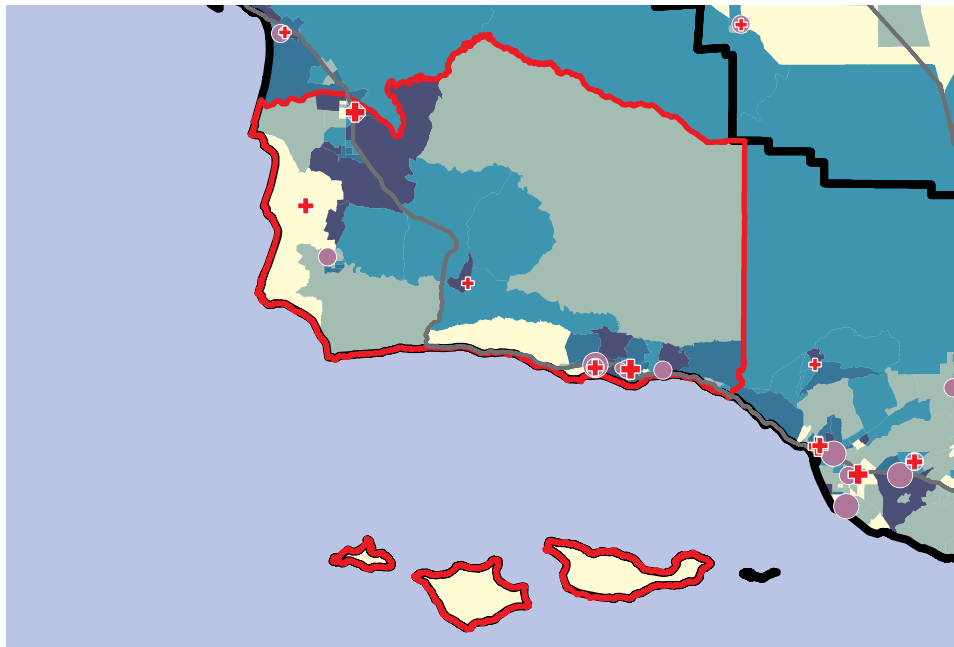
Red symbols (+) indicate other hospitals

County	Hospitals					SNFs/NFs		
	# of Facilities	Total Beds	Annual Admissions	Annual ER Visits	FTE RNs	# of Facilities	Total Beds	FTE RNs
San Luis Obispo	4	366	19,894	87,981	485	9	827	462

### Population by Sex and Age



# Santa Barbara EMS Region

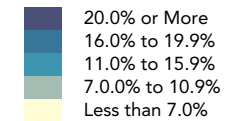


This map examines the size and location of nursing homes and hospitals relative to the distribution of the population aged 65 or older in the Santa Barbara EMS Region. This region is located along the Pacific coast and includes several small islands to the south, the Channel Islands National Park. There are 5 hospitals and 16 nursing homes in this region; most are located along the coast because much of the interior of the county is part of the Los Padres National Forest and is largely unpopulated. The census tracts near the city of Santa Barbara (on the southern coast of the county) have a fairly high proportion of elderly persons, while tracts along the west coast have a lower proportion.

The population pyramid shows stable population growth and a large group of 20 to 24 year olds, possibly due to the presence of the University of California, Santa Barbara, in this region.



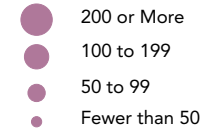
### Percentages of Population Aged 65 or Older



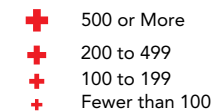
- EMS Region
- County Boundary
- HRSA BT Planning Region

— Roads

### Number of SNF/NF Beds



### Number of Hospital Beds

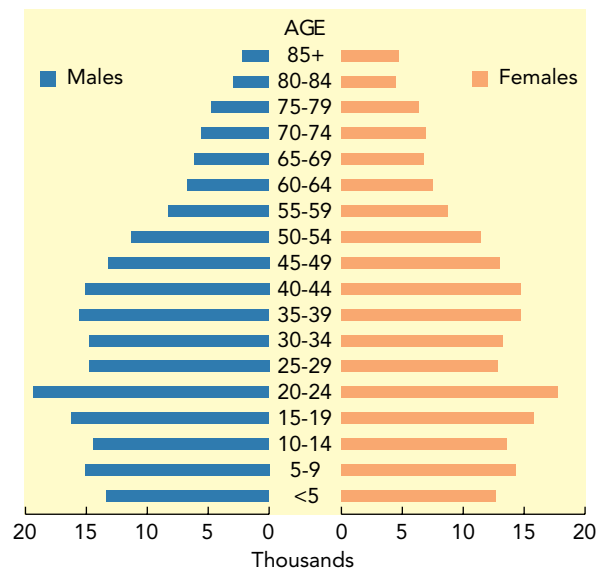


Red symbols outlined in black (+) indicate Providence Health System Hospitals

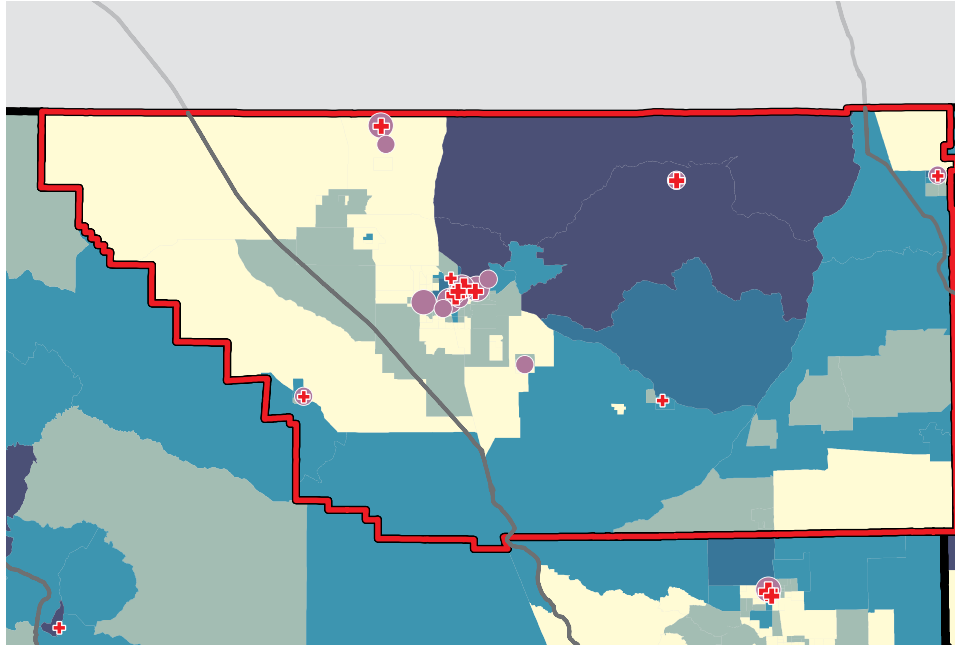
Red symbols (+) indicate other hospitals

County	Hospitals					SNFs/NFs		
	# of Facilities	Total Beds	Annual Admissions	Annual ER Visits	FTE RNs	# of Facilities	Total Beds	FTE RNs
Santa Barbara	5	874	34,581	115,126	957	16	1,369	982

### Population by Sex and Age



# Kern 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 Kern EMS Region, which has 10 hospitals and 21 nursing homes. A majority of the hospital and nursing homes are in the city of Bakersfield, the largest population center in the county. Several smaller community hospitals are spread across the county, the largest on the northern border. Census tracts in the western portion of the county, east of Bakersfield, appear to have a lower concentration of elderly persons, while census tracts to the east have a larger proportion. This could be driven by the nursing home in the northeast portion of the county as the area is fairly rural and sparsely populated. The population pyramid shows a bubble in the population aged 30 to 44 and another for 5 to 19 year olds, suggesting the presence of young families in the area. A large young population suggests moderate population growth.



Percentages 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

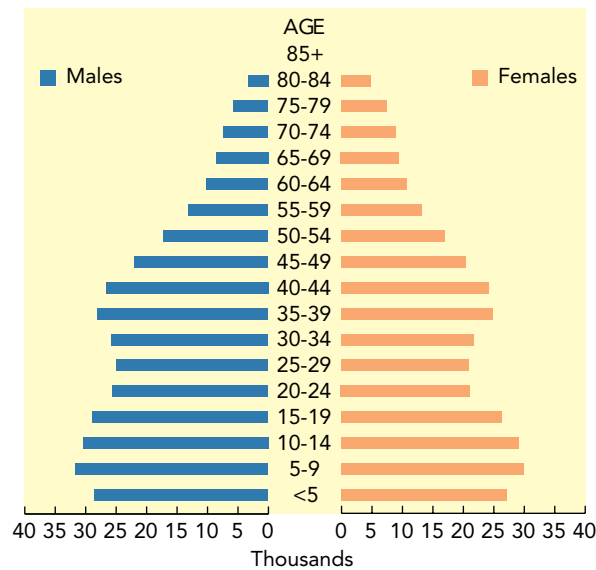
- + 500 or More
- + 200 to 499
- + 100 to 199
- + Fewer than 100

Red symbols outlined in black (+) indicate Providence Health System Hospitals

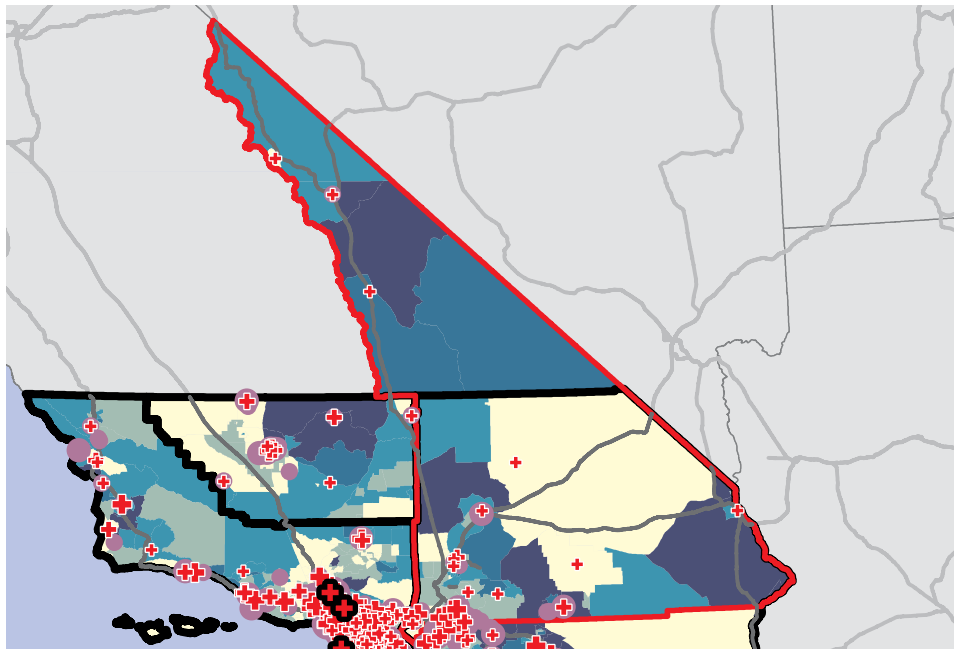
Red symbols (+) indicate other hospitals

County	Hospitals					SNFs/NFs		
	# of Facilities	Total Beds	Annual Admissions	Annual ER Visits	FTE RNs	# of Facilities	Total Beds	FTE RNs
Kern	10	1,462	60,582	173,563	1,391	21	2,060	716

Population by Sex and Age



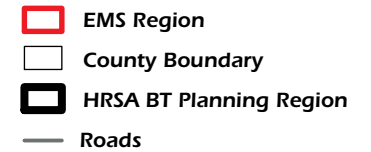
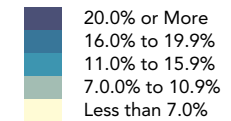
## Inland Counties EMS Region



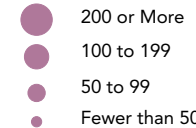
This map examines the size and location of nursing homes and hospitals relative to the distribution of the population aged 65 or older in the Inland Counties EMS Region, the only multi-county EMS region in Southern California. This region consists of three counties. Mono and Inyo Counties, excluded from most maps in this Atlas, are not truly located in Southern California. This region has 22 hospitals and 53 nursing homes. San Bernardino County has the most hospitals and nursing homes, with 19 and 51, respectively. Mono and Inyo Counties are in the high desert east of the Sierra Nevada Mountains and are largely unpopulated. Inyo County contains Death Valley National Park and a large Naval Weapons Center; Mono County also has several national parks. The one hospital in Mono County is in Mammoth Lake, a large ski community. The concentration of elderly persons in San Bernardino is low in the eastern tracts and higher near Los Angeles. The census tracts in both Inyo and Mono Counties reflect a higher proportion of elderly persons, especially in northern Inyo County. The population pyramid reflects moderate growth due to the large number of young people in the region.



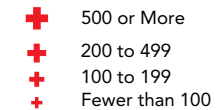
Percentages of Population Aged 65 or Older



Number of SNF/NF Beds



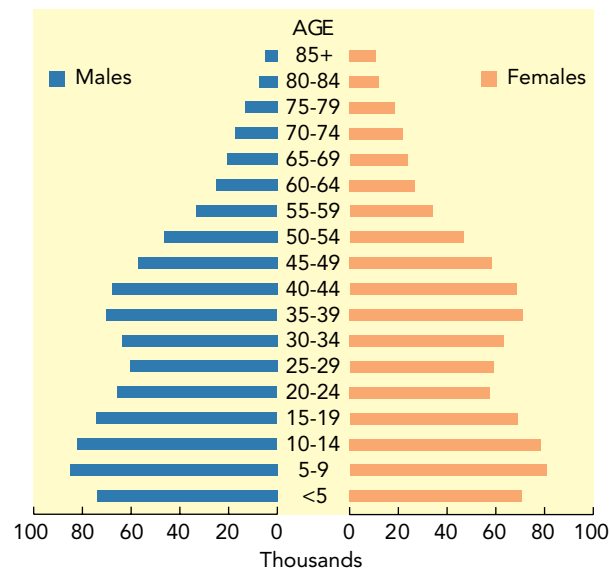
Number of Hospital Beds



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

Red symbols (⊕) indicate other hospitals

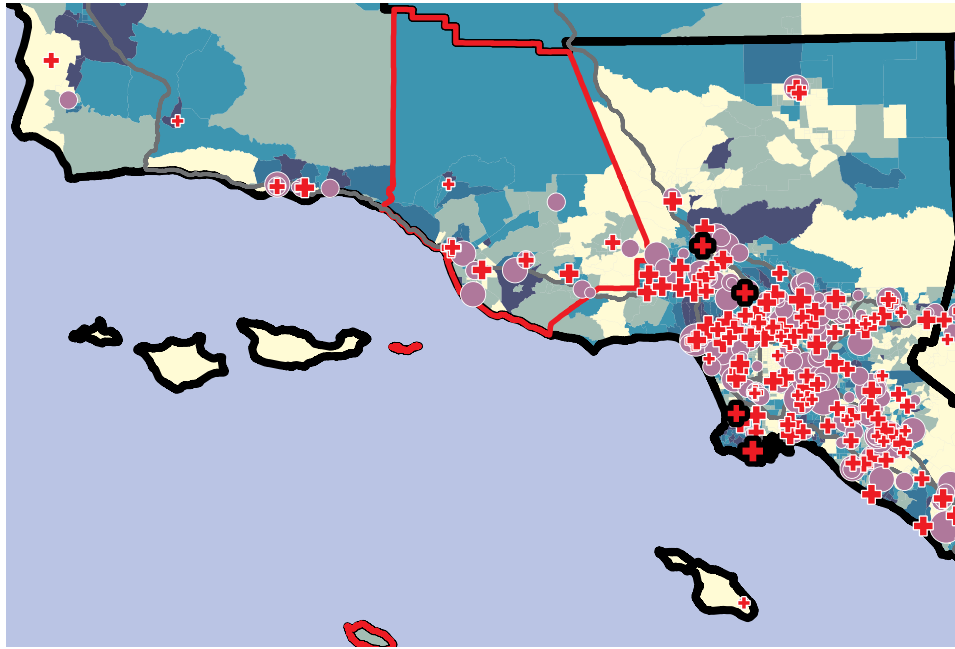
Population by Sex and Age



County	Hospitals					SNFs/NFs		
	# of Facilities	Total Beds	Annual Admissions	Annual ER Visits	FTE RNs	# of Facilities	Total Beds	FTE RNs
Inyo	2	67	1,118	7,202	66	2	132	78
Mono	1	15	757	11,050	31	0	0	0
San Bernardino	19	3,309	174,763	579,502	5,840	51	4,845	3,062



# Ventura 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 Ventura County EMS Region to the west of Los Angeles, which includes the Channel Island Air Guard Station to the south. There are 7 hospitals and 22 nursing homes in this region; all are in the southern half of the county as the Los Padres National Forest is to the north, leaving the area largely unpopulated. Hospitals and nursing homes are clustered on the coast and in cities along major transportation networks. The census tracts in this region show a small proportion of elderly persons in the eastern portion of the county and along major urban areas. The largely unpopulated areas, and tracts near large nursing homes, have a larger proportion of elderly persons.

The population pyramid for this region shows stable population growth and two large bubbles in the population: one for 30 to 49 year olds and another for 5 to 19 year olds, suggesting the presence of families with children.



### Percentages 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
- 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

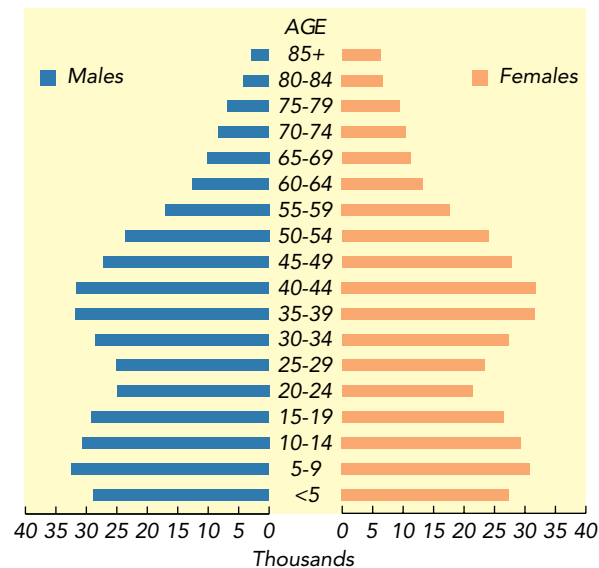
- 500 or More
- 200 to 499
- 100 to 199
- Fewer than 100

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

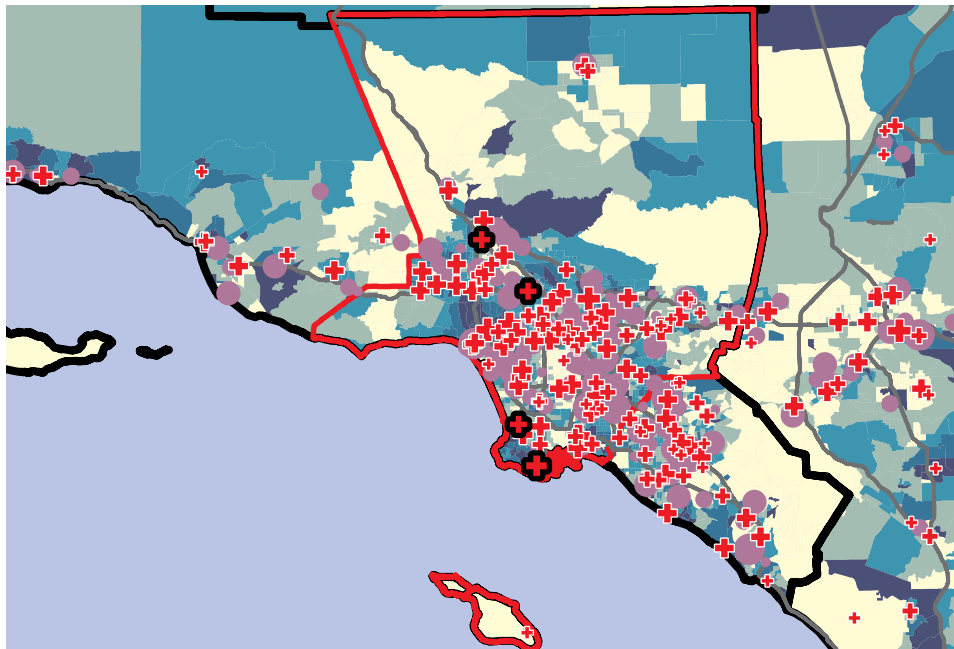
Red symbols (⊕) indicate other hospitals

County	Hospitals					SNFs/NFs		
	# of Facilities	Total Beds	Annual Admissions	Annual ER Visits	FTE RNs	# of Facilities	Total Beds	FTE RNs
Ventura	7	1,353	61,912	193,479	1,742	22	1,950	1,141

### Population by Sex and Age



# Los Angeles EMS Region

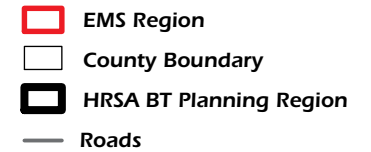
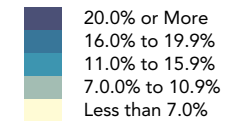


This map examines the size and location of nursing homes and hospitals relative to the distribution of the population aged 65 or older in the Los Angeles EMS Region, which has 89 hospitals, 4 of which are operated by Providence Health System, and 388 nursing homes. The majority of these facilities are in the urban core of the city near the Pacific Ocean. The census tracts in which most of the hospitals and nursing homes are located contain a higher proportion of elderly persons. Tracts to the north of the city that contain a younger population have very few or no nursing homes or hospitals.

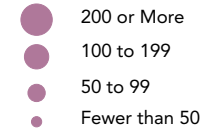
The population pyramid for Los Angeles shows a relatively stable population, with little or no growth, as well as a younger population with a large number of people between 25 and 39 years of age.



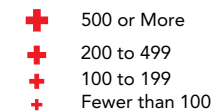
### Percentages of Population Aged 65 or Older



### Number of SNF/NF Beds



### Number of Hospital Beds

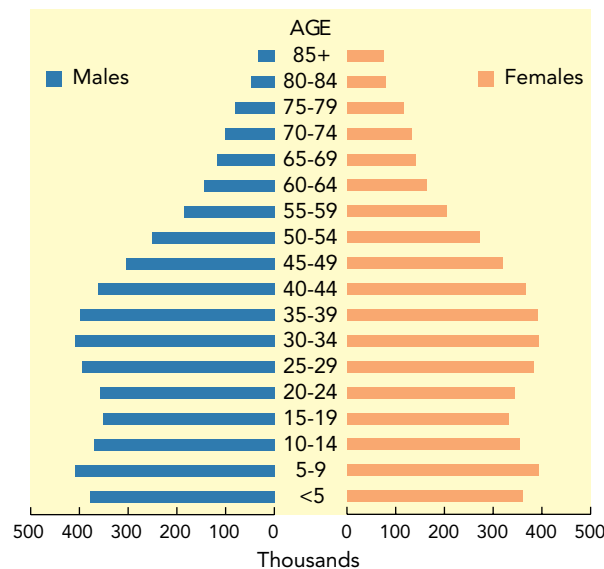


Red symbols outlined in black (⊕) indicate Providence Health System Hospitals

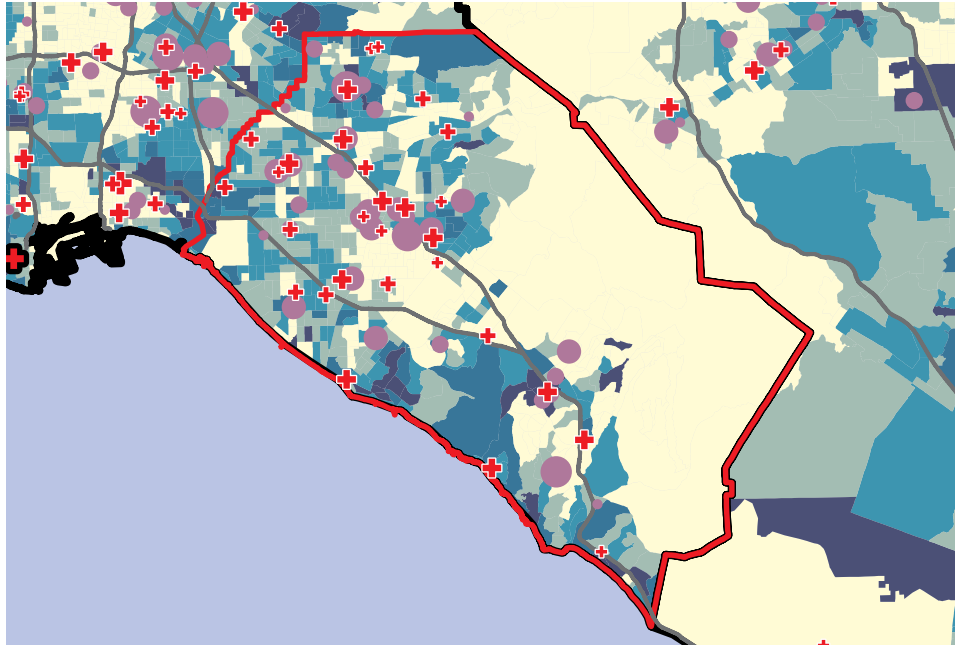
Red symbols (+) indicate other hospitals

County	Hospitals					SNFs/NFs		
	# of Facilities	Total Beds	Annual Admissions	Annual ER Visits	FTE RNs	# of Facilities	Total Beds	FTE RNs
Los Angeles	89	22,154	1,023,654	2,586,096	26,343	388	37,938	18,890

### Population by Sex and Age



# Orange 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 Orange County EMS Region, which has a total of 29 hospitals and 76 nursing homes. These resources are concentrated in the western and southern areas of the county along the coast and major transportation routes. Most of the nursing homes and hospitals in this region are clustered in areas with a larger proportion of elderly persons; areas to the east with a small elderly population have few or no hospitals or nursing homes.

The population pyramid shows a relatively stable population with little growth. There is a small bubble in the population aged 25 to 44 and another among 5 to 9 year olds, suggesting the presence of young families in the region.



### Percentages 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
- HRSR 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

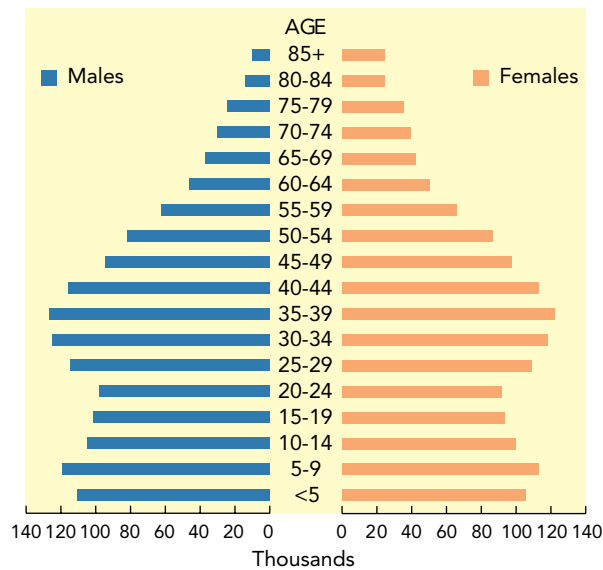
- 500 or More
- 200 to 499
- 100 to 199
- Fewer than 100

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

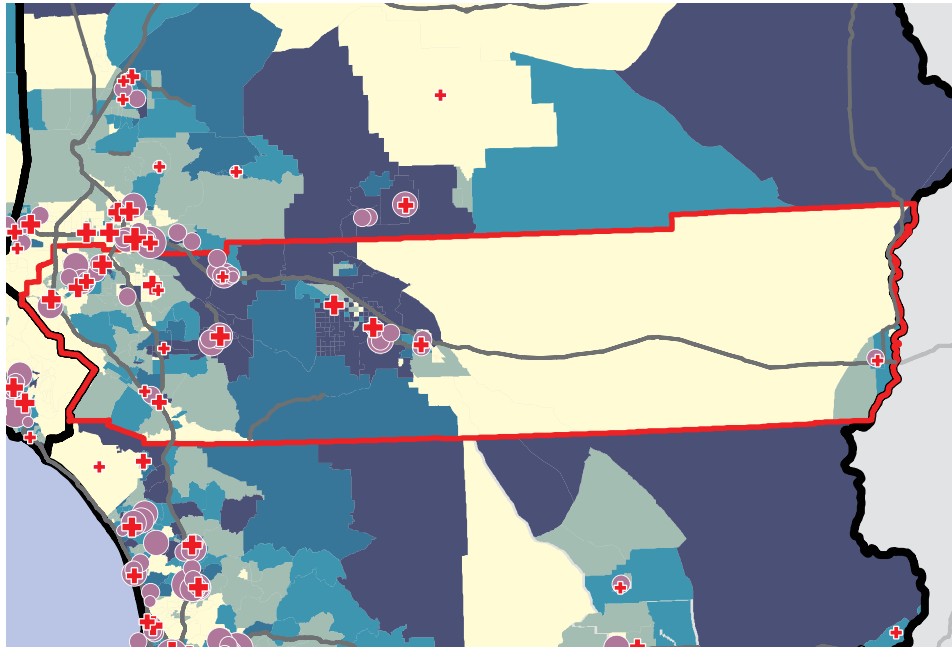
Red symbols (⊕) indicate other hospitals

County	Hospitals					SNFs/NFs		
	# of Facilities	Total Beds	Annual Admissions	Annual ER Visits	FTE RNs	# of Facilities	Total Beds	FTE RNs
Orange	29	5,119	262,986	599,956	6,654	76	8,041	4,229

### Population by Sex and Age



# Riverside EMS Region

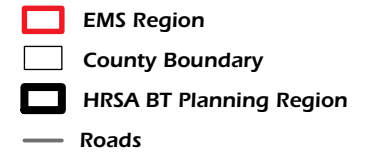
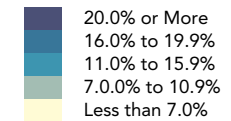


This map examines the size and location of nursing homes and hospitals relative to the distribution of the population aged 65 or older in the Riverside EMS Region, which has 15 hospitals and 49 nursing homes. These facilities are clustered in the western portion of the county, near the Pacific coast; much of the eastern portion of the region is desert or national parkland (Joshua Tree National Park) and largely unpopulated. One hospital and one nursing home are located in the far southeast corner of the county in the city of Blyth, where there is also a cluster of census tracts with a higher proportion of elderly persons. Clusters of census tracts near Los Angeles in the west have a higher proportion of younger people, while tracts immediately to the east have a higher proportion of elderly persons.

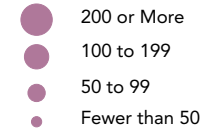
The population pyramid shows a large bubble aged 30 to 44 and another larger bubble aged 5 to 19, suggesting moderate population growth and the presence of young families in the area.



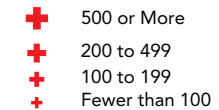
Percentages of Population Aged 65 or Older



Number of SNF/NF Beds



Number of Hospital Beds

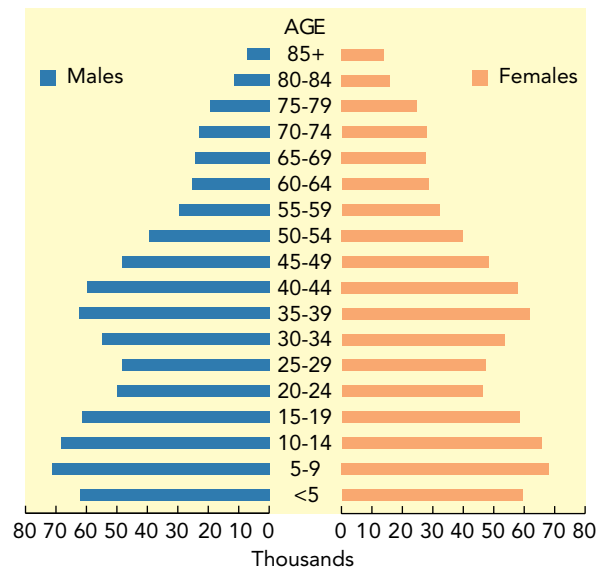


Red symbols outlined in black (⊕) indicate Providence Health System Hospitals

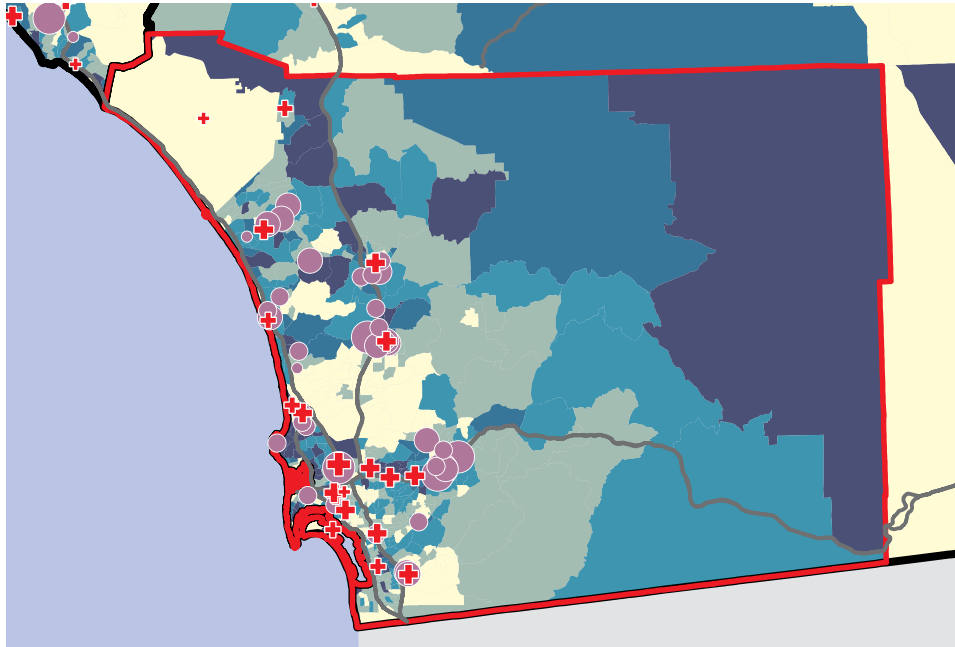
Red symbols (⊕) indicate other hospitals

County	Hospitals					SNFs/NFs		
	# of Facilities	Total Beds	Annual Admissions	Annual ER Visits	FTE RNs	# of Facilities	Total Beds	FTE RNs
Riverside	15	2,889	169,777	468,802	2,985	49	4,326	2,616

Population by Sex and Age



# San Diego 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 San Diego EMS Region, which has 20 hospitals and 81 nursing homes, most located along the coast and major transportation routes. Most of these facilities are clustered in the city of San Diego, although several large facilities are north of the city. There are no facilities in the eastern portion of San Diego County, which is mostly rural farmland and desert. The census tracts in the eastern part of the county and those clustered in the northern edge of San Diego city have a higher proportion of elderly persons, while areas north of the city and along the Mexican border have a younger population.

The population pyramid shows a relatively stable population, suggesting little or no population growth. In addition, the population pyramid is slightly skewed toward males, reflecting a large number of working-age men in the agricultural industry and several major military facilities in the area.



### Percentages 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
- 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

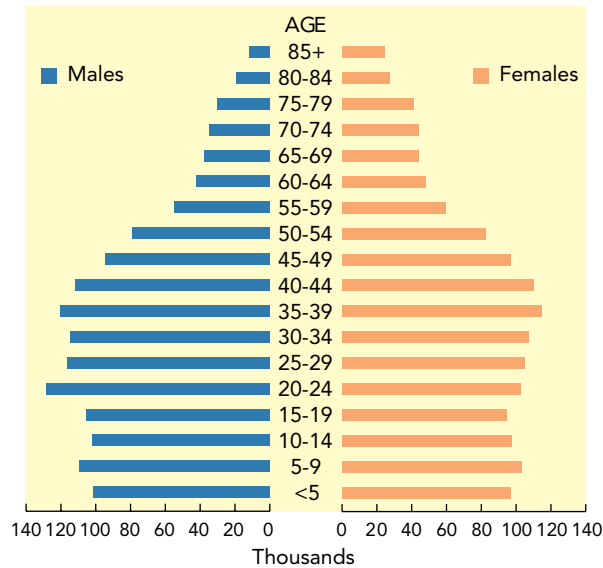
- + 500 or More
- + 200 to 499
- + 100 to 199
- + Fewer than 100

Red symbols outlined in black (+) indicate Providence Health System Hospitals

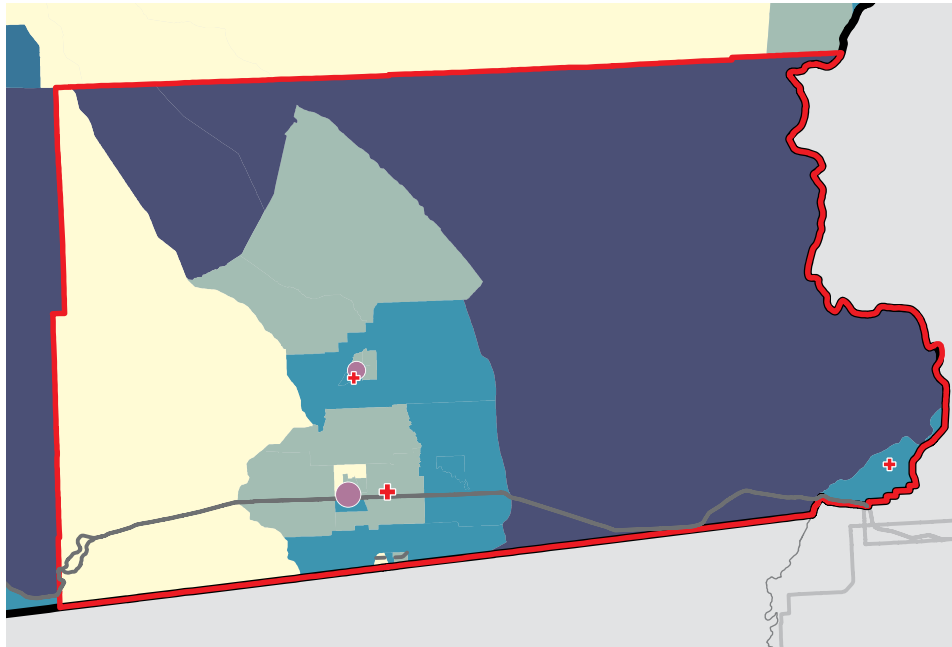
Red symbols (+) indicate other hospitals

County	Hospitals					SNFs/NFs		
	# of Facilities	Total Beds	Annual Admissions	Annual ER Visits	FTE RNs	# of Facilities	Total Beds	FTE RNs
San Diego	20	5,937	284,130	537,055	8,244	81	9,064	4,664

### Population by Sex and Age



# Imperial 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 Imperial EMS Region, which has three hospitals and two nursing homes. This region is largely desert and rural farmland with few urban centers, which explains the small number of facilities. The largest facility in this region is in the city of El Centro. Census tracts in the western part of the county appear to have a lower concentration of elderly persons, while the census tracts in the east appear to have a higher proportion of younger people.

The population pyramid shows two bubbles in the population: one for 35 to 44 year olds and a larger one for 5 to 19 year olds, suggesting the presence of young families with children. The population pyramid is also skewed toward males, reflecting a large number of working-age men in the agricultural industry.



Percentages 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
- 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 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
Imperial	3	221	12,726	73,508	267	2	222	119

Population by Sex and Age

