



# Policy Research Perspectives

## Competition in Hospital Markets, 2013-2021

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### Introduction

Competition in hospital markets is critical for the well-functioning of the U.S. healthcare system. It is a subject of considerable interest in several arenas, including to economists, regulators and policymakers. Competitive analysis is a central feature of merger policy and antitrust enforcement.

This paper assesses competition in hospital markets. Hospital market shares and concentration levels are calculated using data from the American Hospital Association (AHA) for 2013, 2017 and 2021. A first step in assessing the existence of or the potential for market power is to examine market concentration. The U.S. Department of Justice (DOJ) and the Federal Trade Commission (FTC) examine market concentration in their evaluation of proposed mergers between firms. Large market shares and higher concentration levels suggest lower competition.

The results indicate low competition in virtually all hospital markets. Specifically, they show that hospitals (or hospital systems) have large market shares in the vast majority of markets. The study also finds that most hospitals (78 percent) are and have increasingly become members of systems. In turn, 99 percent of hospital markets are highly concentrated. On average, market concentration increased between 2013 and 2021. Compared to results from Gaynor, Ho and Town (2014) and Gaynor and Town (2012), it appears that concentration has risen considerably since 2006.

### Data and methods

In this paper, data on hospital unit admissions from the AHA's 2013, 2017 and 2021 Annual Survey Databases were used to calculate shares and concentration levels in hospital markets across the United States. Markets are characterized by two dimensions: a product market and a geographic market. A product market is a product or group of products for which there are no adequate substitutes. Here, the product is defined as "admissions to short-term, general medical and surgical, community hospitals in the U.S." and the sample of hospitals from the AHA data is selected accordingly.

The relevant geographic market is the area within which consumers can turn to alternative producers in response to an increase in price. This paper defines geographic markets as metropolitan statistical areas (MSAs) as in Gaynor et al. (2012, 2014). For MSAs that are very large (e.g. New York, Chicago), markets are defined as smaller parts of those MSAs called metropolitan divisions. For convenience, all metropolitan areas in this paper are referred to as MSAs.

Metropolitan statistical areas (MSAs) and metropolitan divisions are based on the delineations of the United States Office of Management and Budget (OMB). The OMB delineates metropolitan (and micropolitan) statistical areas according to published standards that are applied to Census Bureau population data.<sup>1</sup> Each *metropolitan* statistical area (MSA) must have at least one urban area of 50,000 or more inhabitants, while each *micropolitan* statistical area (which this paper excludes) must have at least one urban area of at least 10,000 but less than 50,000 population. Counties (or equivalent entities) form their geographic “building blocks.” MSAs with populations of at least 2.5 million inhabitants may be subdivided into smaller groupings of counties called metropolitan divisions.

OMB delineations of MSAs (and sometimes the codes assigned to them) change over time due to changes in population. For example, Albany, OR was a micropolitan statistical area in the 2013 data but, due to population growth, was an MSA in the 2017 and 2020 data. In addition, the counties included in an MSA may also change. The AHA 2017 data used here are based on the OMB July 2015 delineations, and the 2021 data are based on the OMB March 2020 delineations. The AHA 2013 data are based on earlier delineations although it is not clear which year. As a result, the number of MSAs reported in Exhibits 1 and 2 increased over time from 363 MSAs in 2013, to 387 MSAs in 2017, and 389 MSAs in 2021.

To assess whether changes in the results over time could be due to changes in which and how many areas are considered MSAs, this paper conducts additional analyses only on MSAs present in both years of a comparison.<sup>2</sup> 347 MSAs were present in both 2013 and 2017, 383 in 2017 and 2021, and 345 in 2013 and 2021.<sup>3</sup> Reassuringly, the results from such analyses (not reported) are generally similar and are thus only referenced if they differ markedly from the main results or change the conclusions.

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<sup>1</sup>The general concept is that of a “core area containing a substantial population nucleus, together with adjacent communities having a high degree of economic and social integration with that core.”

<https://www.census.gov/programs-surveys/metro-micro/about.html>

<sup>2</sup> Technically, this additional analysis compares areas considered to be MSAs in the two years *and* have the same code. In some cases, an MSA’s code can change but not its set of counties, while in other cases, the code may not change but its set of counties does. The OMB definition given above indicates that MSAs have a core population nucleus. If the county makeup changes, it is likely the smaller, less populous adjacent communities that are either newly included in or removed from an MSA. Thus, it is unlikely that MSAs change significantly over time, especially in the short time period in this study.

<sup>3</sup> Comparing the 2013 and 2017 data, 40 MSA codes only appeared in 2017 but not 2013, and 16 MSA codes appeared in 2013 but not 2017. Of the 40 MSA codes present only in 2017, the majority (26) represent areas that changed from micropolitan statistical areas to metropolitan statistical areas. Other reasons include reallocation of counties, changed county makeup, and changes in code alone. In terms of the 16 MSA codes only in 2013, 8 were due to reallocation or changed county makeup, while the others had population decreases (thus changed from metropolitan to micropolitan) or had changes in code alone. In contrast, there were fewer changes in MSA delineations between 2017 and 2021; 4 MSA codes were present only in 2017, and 6 codes were only in 2021.

Hospitals are grouped into systems and each system is treated as a single firm within an MSA (Cutler and Scott Morton 2014). Market shares are calculated based on the total admissions for all the hospitals within a system in an MSA. Hereafter, the term *hospital* can represent either a hospital (if not part of a system) or a hospital system. Each hospital's (or system's) market share is its admissions divided by the total number of admissions in an MSA. This also mirrors the methodology used in Gaynor et al. (2012, 2014).

Herfindahl-Hirschman Indices (HHI) are then calculated for each MSA. The HHI is a measure of market concentration and is the sum of the squared market shares of all firms in a market. Larger HHIs indicate higher concentration and suggest lower market competition. To illustrate, suppose a market consisted of four firms and that each one held a 25 percent share. The HHI for that market would be 2,500:

$$25^2 + 25^2 + 25^2 + 25^2 = 2,500$$

If the number of firms in a market increased, the HHI would generally decrease, and vice versa. The largest value the HHI can reach is 10,000, which is obtained when there is a single firm in the market—i.e., a monopoly.

Exhibits 1 and 2 present aggregate statistics across hospitals and markets. Following the methodology of Gaynor et al. (2012, 2014), MSAs and metropolitan divisions with populations of at least 3 million are excluded from those calculations because they may contain multiple hospital markets.<sup>4</sup>

Detailed results for each MSA are presented in the Appendix. Exhibit A1 presents market shares of the two largest hospitals as well as the HHI in each MSA. Although the results in Exhibits 1 and 2 exclude MSAs with populations of at least 3 million, Exhibit A1 includes the market shares of the two largest hospitals in those MSAs. Even though the market shares likely overstate competition, they are interesting in their own right. The HHIs for those large MSAs, however, are not reported.

## Results

The results on hospital market competition are presented in Exhibit 1. It shows that in the vast majority of MSA-level markets, hospitals (or systems) have large market shares. In 97 percent of markets, at least one hospital had a market share of 30 percent or greater in 2021. Seventy-seven percent of markets had one hospital with a share of 50 percent or more in 2021—up from 70 percent in 2013. Finally, in 43 percent of markets, a single hospital had a market share of 70 percent or more in 2021—an increase from 37 percent in 2013.

Most hospitals are members of systems, and this fraction has been growing over time. In 2013, 70 percent of hospitals were system members. This share increased to 76 percent by 2017 and to 78 percent in 2021. In contrast, the *number* of total systems across all markets in the U.S. has been going down modestly over time, potentially suggesting consolidation among systems. There were

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<sup>4</sup> Fourteen MSAs (or metropolitan divisions) are excluded in 2013, 13 in 2017 and 14 in 2021. In addition, one MSA and 4 divisions are excluded in 2013 because of missing population data, which was needed to weight the HHI mean and to determine whether any of them were above the 3 million threshold.

276 systems in 2013 and 268 in 2021. Here the increase in the number of MSAs since 2013 masks part of the decrease in the number of systems over time. Once MSAs present in both 2013 and 2021 are considered, the number of systems fell by 12 (266 to 254), instead of by 8 (276 to 268).

Exhibit 1 shows there were 1,946 hospitals in 2013, which increased to 2,021 in 2017 and fell to 2,002 in 2021. These changes are partly due to increases in the number of MSAs. This makes it seem like there were more hospitals in 2017 and 2021 compared to 2013. Once we look only at MSAs present in both 2013 and 2017, the number of hospitals actually *decreased* from 1839 in 2013 to 1829 in 2017. Considering MSAs present in 2013 and 2021, the number of hospitals fell from 1,814 in 2013 to 1,785 in 2021. The vast majority of this reduction is likely due to hospital closures, and another smaller fraction is due to consolidation.<sup>5</sup>

Exhibit 2 turns to an analysis of hospital market concentration. It shows that, on average, hospital markets are highly concentrated and market concentration has been increasing over time. The weighted average HHI increased from 3722 in 2013 to 4062 in 2021.<sup>6,7</sup> In comparison, Gaynor et al. (2012, 2014), find a lower average HHI of 3261 in 2006.<sup>8</sup> Based on the DOJ/FTC Merger Guidelines, Exhibit 2 shows that virtually all hospital markets are highly concentrated (HHI>1,800).<sup>9</sup> In 2013, 97 percent of markets were already highly concentrated, and by 2021, this proportion increased even further to 99 percent.

The HHI and the market shares of the two largest hospitals in each MSA are presented in Exhibit A1. To illustrate, in the Birmingham-Hoover, AL MSA, UAB Health System has a market share of 36 percent, and Tenet Healthcare's share is 29 percent. The HHI is 2761. Note that in contrast to the aggregate results presented above, Exhibit A1 does report market shares (though not HHIs) for MSAs with populations of 3 million persons or more. Even if they likely overstate competition since they may contain multiple hospital markets, it is still interesting to observe the market shares of the largest hospitals in those MSAs. One final note about Exhibit A1 is that in the 74 cases (MSAs) in which the HHI was 10,000, there won't be a second hospital nor share reported because there was only one hospital with a share of 100 percent in that MSA (e.g., Anniston-Oxford, AL and Auburn-Opelika, AL).

## Conclusion

This paper presents new data on competition in hospital markets in the United States. It examines levels and changes in market shares and concentration (HHI) over time. The data used are from the 2013, 2017 and 2021 AHA Annual Surveys.

<sup>5</sup> There were 6093 U.S. hospitals in the 2020 data, of which 43 were not present in the 2021 data. Of those 43 hospitals, 30 (70 percent) closed, and 10 (23 percent) merged into a hospital. Note this total number of hospitals is larger than what is reported in Exhibit 1. This is because of the subset of hospitals selected for this study.

<sup>6</sup> The weighted average HHI uses the populations in the MSAs as the weights. This gives MSAs with larger populations a bigger influence on the average. The *unweighted* average HHI increased from 5645 in 2013 to 5963 in 2021.

<sup>7</sup> This increase in the weighted average HHI of 340 points between 2013 and 2021 should be interpreted in light of the change in MSA delineations between 2013 and 2021. Considering MSAs with same code in 2013 and 2021, the increase falls modestly to 294 points.

<sup>8</sup> Some caution is due in comparing the 2006 results with those for the latter years. For example, there may have been changes in MSA delineations between 2006 and 2013.

<sup>9</sup> U.S. Department of Justice and the Federal Trade Commission, Merger Guidelines. Issued Dec. 18, 2023.

The paper finds that most MSA-level markets have hospitals or hospital systems with large market shares, and the fraction of markets with large hospitals has been growing over time. In 2021, 77 percent of markets had one hospital with a share of at least 50 percent—an increase from 70 percent in 2013. The proportion of markets where a hospital's share was 70 percent or more increased from 37 percent in 2013 to 43 percent in 2021. The majority of hospitals also are and have increasingly become members of systems, with 78 percent being system members in 2021—up from 70 percent in 2013.

Virtually all hospital markets are highly concentrated. In 2021, 99 percent of 389 MSA-level markets were highly concentrated. Only 5 markets were not. In fact, the HHI was 10,000 in 19 percent (74) of markets—i.e., there was a monopoly. The weighted average HHI in hospital markets was 4062—an increase from 3722 in 2013. The average of 3722 in 2013 also increased significantly from what Gaynor et al. (2012, 2014) found for 2006.

These results indicate low levels of competition in hospital markets as well as a decrease in hospital market competition over time. They have important antitrust implications. They suggest hospitals may have market power in many output (monopoly power) and input (monopsony power) markets. Mergers involving bigger hospitals in most markets could raise antitrust concerns.

## References

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### Exhibit 1. Hospital Market Shares and System Membership, 2013-2021

<b>Variable</b>	<b>2013</b>	<b>2017</b>	<b>2021</b>
% of Markets where at least 1 hospital's share $\geq 30\%$	95%	96%	97%
% of Markets where 1 hospital's share $\geq 50\%$	70%	72%	77%
% of Markets where 1 hospital's share $\geq 70\%$	37%	40%	43%
% of Hospitals that are members of systems	70%	76%	78%
Number of hospitals	1946	2021	2002
Number of systems	276	273	268
Number of markets	363	387	389

1. Source: Author's calculations of data from the 2013, 2017 and 2021 American Hospital Association Annual Surveys.
2. This paper defines geographic markets as metropolitan statistical areas (MSAs). For MSAs that are very large (e.g. New York, Chicago), markets are defined as smaller parts of those MSAs called metropolitan divisions.
3. A "hospital" in the first three rows of this Exhibit relating to market shares can either refer to a hospital or a hospital system. Some hospitals belong to systems, while others do not. If there is more than 1 one hospital belonging to the same system in an MSA, the admissions are aggregated up to the system level. Market shares are calculated from system-wide admissions in an MSA. In those cases, the "hospital's" market share here refers to the system's share.

### Exhibit 2. Hospital Market Concentration, 2013-2021

<b>Variable</b>	<b>2013</b>	<b>2017</b>	<b>2021</b>
Weighted average HHI	3722	3853	4062
% of Markets that are highly concentrated	97%	98%	99%
Number of markets	363	387	389

1. Source: Author's calculations of data from the 2013, 2017 and 2021 American Hospital Association Annual Surveys.
2. This paper defines geographic markets as metropolitan statistical areas (MSAs). For MSAs that are very large (e.g. New York, Chicago), markets are defined as smaller parts of those MSAs called metropolitan divisions.
3. HHI is the Herfindahl-Hirschmann Index, which is a measure of market concentration. The average HHI is weighted by metropolitan-area population.



**Exhibit A1. Market concentration (HHI) and largest hospitals' market shares, 2021**

<u>MSA</u>	<u>HHI</u>	<u>Hospital 1</u>	<u>Share (%)</u>	<u>Hospital 2</u>	<u>Share (%)</u>
Anniston-Oxford, AL	10000	Regional MC	100		
Auburn-Opelika, AL	10000	East Alabama MC	100		
Birmingham-Hoover, AL	2761	UAB Health System	36	Tenet Healthcare	29
Daphne-Fairhope-Foley, AL	5361	Infirmiry HS	63	Community Hlth Systems	37
Decatur, AL	10000	Huntsville Hospital HS	100		
Dothan, AL	4737	Southeast Alabama MC	58	Community Hlth Systems	37
Florence-Muscle Shoals, AL	6030	LifePoint Health	73	Huntsville Hospital HS	27
Gadsden, AL	5075	Community Hlth Systems	56	Prime Healthcare Serv	44
Huntsville, AL	7371	Huntsville Hospital HS	84	Community Hlth Systems	16
Mobile, AL	2741	Infirmiry HS	39	Ascension Healthcare	22
Montgomery, AL	5523	Baptist Health	69	Jackson Hospital	26
Tuscaloosa, AL	8986	DCH Health System	95	Greene County HS	4
Anchorage, AK	3231	Providence	48	Alaska Native MC	21
Fairbanks, AK	10000	Fairbanks Memorial	100		
Flagstaff, AZ	7078	Northern Arizona HC	83	Tuba City Regional HC	14
Lake Havasu City-Kingman, AZ	3577	LifePoint Health	41	Kingman Regional MC	38
Phoenix-Mesa-Chandler, AZ	-	Banner Health	47	CommonSpirit Hlth	17
Prescott Valley-Prescott, AZ	6111	CommonSpirit Hlth	74	Northern Arizona HC	26
Sierra Vista-Douglas, AZ	7589	LifePoint Health	87	Copper Queen Comm Hosp	6
Tucson, AZ	2547	Banner Health	30	TMC HealthCare	28
Yuma, AZ	10000	Yuma Regional MC	100		
Fayetteville-Springdale-Rogers, AR	3284	Community Hlth Systems	35	Washington Regional	34
Fort Smith, AR-OK	4619	Mercy	54	Baptist Health	41
Hot Springs, AR	5755	CommonSpirit Hlth	69	LifePoint Health	31
Jonesboro, AR	5446	Bernards Healthcare	65	Baptist Memorial HC	35
Little Rock-North Little Rock-Conway, AR	3028	Baptist Health	46	UAMS Medical Center	23
Pine Bluff, AR	10000	Jefferson Regional	100		
Anaheim-Santa Ana-Irvine, CA	-	Providence	21	Hoag	14
Bakersfield, CA	3431	CommonSpirit Hlth	46	Adventist Health	32
Chico, CA	4987	Enloe Medical Center	58	Oroville Hospital	40
El Centro, CA	5013	El Centro Regional MC	53	Pioneers Memorial HC	47
Fresno, CA	4242	Community MC	57	Trinity Health	30
Hanford-Corcoran, CA	10000	Adventist Health	100		
Los Angeles-Long Beach-Glendale, CA	-	Cedars-Sinai HS	12	Kaiser Foundation Hosp	11

<u>MSA</u>	<u>HHI</u>	<u>Hospital 1</u>	<u>Share (%)</u>	<u>Hospital 2</u>	<u>Share (%)</u>
Madera, CA	10000	Madera Community Hosp	100		
Merced, CA	7856	CommonSpirit Hlth	88	Sutter Health	12
Modesto, CA	5160	Tenet Healthcare	65	Sutter Health	31
Napa, CA	5243	Providence	61	Adventist Health	39
Oakland-Berkeley-Livermore, CA	2050	Kaiser Foundation Hosp	33	Sutter Health	24
Oxnard-Thousand Oaks-Ventura, CA	2123	HCA Healthcare	27	Community Memorial HS	21
Redding, CA	4907	CommonSpirit Hlth	63	Prime Healthcare Serv	30
Riverside-San Bernardino-Ontario, CA	-	Kaiser Foundation Hosp	14	Universal Hlth Serv	11
Sacramento-Roseville-Folsom, CA	2437	Kaiser Foundation Hosp	28	Sutter Health	27
Salinas, CA	3331	Community Hospital	39	Salinas Valley Hlth	32
San Diego-Chula Vista-Carlsbad, CA	-	Sharp HealthCare	30	Scripps Health	26
San Francisco-San Mateo-Redwood City, CA	2099	Sutter Health	31	Univ of California SA	24
San Jose-Sunnyvale-Santa Clara, CA	1770	HCA Healthcare	23	Stanford Health Care	21
San Luis Obispo-Paso Robles, CA	5968	Tenet Healthcare	72	CommonSpirit Hlth	28
San Rafael, CA	4546	MarinHealth MC	61	Kaiser Foundation Hosp	25
Santa Cruz-Watsonville, CA	6264	CommonSpirit Hlth	75	Watsonville Comm Hosp	25
Santa Maria-Santa Barbara, CA	4490	Cottage Health	52	CommonSpirit Hlth	41
Santa Rosa-Petaluma, CA	3596	Providence	47	Kaiser Foundation Hosp	33
Stockton, CA	3198	CommonSpirit Hlth	47	Kaiser Foundation Hosp	25
Vallejo, CA	4033	Kaiser Foundation Hosp	51	NorthBay MC	36
Visalia, CA	6067	Kaweah Health	76	Sierra View MC	17
Yuba City, CA	10000	Adventist Health	100		
Boulder, CO	2518	Intermountain	37	Boulder Community Hlth	27
Colorado Springs, CO	5004	UCHealth	51	CommonSpirit Hlth	49
Denver-Aurora-Lakewood, CO	2187	HCA Healthcare	36	UCHealth	17
Fort Collins, CO	7250	UCHealth	84	Banner Health	15
Grand Junction, CO	7238	Intermountain	84	QHR	10
Greeley, CO	5937	Banner Health	72	UCHealth	28
Pueblo, CO	8409	Parkview MC	91	CommonSpirit Hlth	9
Bridgeport-Stamford-Norwalk, CT	3017	Yale New Haven Hlth	41	Nuvance Health	31
Hartford-East Hartford-Middletown, CT	3002	Hartford HealthCare	47	Trinity Health	24
New Haven-Milford, CT	4743	Yale New Haven Hlth	67	Prospect Med Hold	10
Norwich-New London, CT	5062	Yale New Haven Hlth	56	Hartford HealthCare	44
Dover, DE	10000	Bayhealth	100		
Wilmington, DE-MD-NJ	5852	ChristianaCare	74	Inspira Hlth Network	17
Washington-Arlington-Alexandria, DC-VA-MD-WV	-	Inova Health System	29	MedStar Health	17

<b><u>MSA</u></b>	<b><u>HHI</u></b>	<b><u>Hospital 1</u></b>	<b><u>Share (%)</u></b>	<b><u>Hospital 2</u></b>	<b><u>Share (%)</u></b>
Cape Coral-Fort Myers, FL	9502	Lee Health	97	Prime Healthcare Serv	3
Crestview-Fort Walton Beach-Destin, FL	4348	HCA Healthcare	60	Ascension Healthcare	20
Deltona-Daytona Beach-Ormond Beach, FL	5387	AdventHealth	66	Halifax Hlth MC	32
Fort Lauderdale-Pompano Beach-Sunrise, FL	2643	Memorial HC System	37	Broward Health	26
Gainesville, FL	5310	UF Health Shands	62	HCA Healthcare	38
Homosassa Springs, FL	5292	HCA Healthcare	62	Community Hlth Systems	38
Jacksonville, FL	2118	Baptist Health	32	HCA Healthcare	21
Lakeland-Winter Haven, FL	4086	Lakeland Reg Hlth MC	54	Trinity Health	30
Miami-Miami Beach-Kendall, FL	1936	Baptist Health	25	Jackson Health System	23
Naples-Marco Island, FL	6216	NCH Baker Hospital	75	Community Hlth Systems	25
North Port-Sarasota-Bradenton, FL	3194	Sarasota Memorial	45	HCA Healthcare	26
Ocala, FL	5001	AdventHealth	51	HCA Healthcare	49
Orlando-Kissimmee-Sanford, FL	3574	AdventHealth	45	Orlando Health	38
Palm Bay-Melbourne-Titusville, FL	5535	Health First, Inc.	71	Steward HC System	21
Panama City, FL	5773	HCA Healthcare	70	Ascension Healthcare	30
Pensacola-Ferry Pass-Brent, FL	3039	Ascension Healthcare	38	Baptist HC Corp	32
Port St. Lucie, FL	5010	HCA Healthcare	52	Cleveland Clinic HS	48
Punta Gorda, FL	5158	Community Hlth Systems	59	HCA Healthcare	41
Sebastian-Vero Beach, FL	6761	Cleveland Clinic HS	80	Steward HC System	20
Sebring-Avon Park, FL	6148	AdventHealth	74	HCA Healthcare	26
Tallahassee, FL	5588	Tallahassee Memorial	67	HCA Healthcare	33
Tampa-St. Petersburg-Clearwater, FL	-	HCA Healthcare	33	Trinity Health	25
West Palm Beach-Boca Raton-Boynton Beach, FL	2705	Tenet Healthcare	40	HCA Healthcare	25
Albany, GA	10000	Phoebe Putney HS	100		
Athens-Clarke County, GA	5435	Piedmont Healthcare	65	Trinity Health	35
Atlanta-Sandy Springs-Alpharetta, GA	-	WellStar HS	23	Piedmont Healthcare	23
Augusta-Richmond County, GA-SC	2578	Piedmont Augusta	32	Augusta Univ MC	28
Brunswick, GA	10000	Southeast Georgia HS	100		
Columbus, GA-AL	5274	Piedmont Healthcare	62	ScionHealth	38
Dalton, GA	8336	Hamilton MC	91	AdventHealth	9
Gainesville, GA	10000	Northeast Georgia HS	100		
Hinesville, GA	10000	Liberty Regional MC	100		
Macon-Bibb County, GA	4981	Atrium Health, Inc.	65	Piedmont Healthcare	27
Rome, GA	5039	Atrium Health, Inc.	54	AdventHealth	46
Savannah, GA	4297	HCA Healthcare	59	Candler Hospital	20
Valdosta, GA	9624	South Georgia MC	98	Archbold MC	2

<b><u>MSA</u></b>	<b><u>HHI</u></b>	<b><u>Hospital 1</u></b>	<b><u>Share (%)</u></b>	<b><u>Hospital 2</u></b>	<b><u>Share (%)</u></b>
Warner Robins, GA	7670	Houston HC System	87	Taylor Regional Hosp	8
Kahului-Wailuku-Lahaina, HI	9881	Kaiser Foundation Hosp	99	Queen's HS	1
Urban Honolulu, HI	2625	Queen's HS	43	Hawaii Pacific Health	19
Boise City, ID	4439	St. Luke's HS	53	Trinity Health	39
Coeur d'Alene, ID	10000	Kootenai Health	100		
Idaho Falls, ID	7251	HCA Healthcare	84	Mountain View Hosp	10
Lewiston, ID-WA	6937	ScionHealth	81	Tri-State Memorial	19
Pocatello, ID	9858	Arden Hlth Serv	99	Power County	1
Twin Falls, ID	10000	St. Luke's HS	100		
Bloomington, IL	4978	Carle Health	57	OSF Healthcare	42
Carbondale-Marion, IL	6579	Southern Illinois HC	78	Quorum Health	22
Champaign-Urbana, IL	6870	Carle Health	82	OSF Healthcare	14
Chicago-Naperville-Evanston, IL	-	Advocate Aurora Hlth	15	NorthShore-Edward-Elmhurst	15
Danville, IL	8508	OSF Healthcare	92	Carle Health	8
Decatur, IL	5025	Memorial HS	54	Hospital Sisters HS	46
Elgin, IL	3380	Northwestern Memorial	39	Advocate Aurora Hlth	32
Kankakee, IL	5576	Riverside MC	67	Ascension Healthcare	33
Lake County-Kenosha County, IL-WI	3631	Advocate Aurora Hlth	54	Northwestern Memorial	18
Peoria, IL	4800	OSF Healthcare	60	UnityPoint Health	35
Rockford, IL	3667	UW Health	48	OSF Healthcare	29
Springfield, IL	5014	Memorial HS	53	Hospital Sisters HS	47
Bloomington, IN	8723	Indiana Univ Hlth	93	Prime Healthcare Serv	7
Columbus, IN	10000	Columbus Regional Hosp	100		
Elkhart-Goshen, IN	5548	Beacon Health System	67	Goshen Health	33
Evansville, IN-KY	5957	Deaconess HS	72	Ascension Healthcare	28
Fort Wayne, IN	5189	Parkview Health	60	Community Hlth Systems	40
Gary, IN	3145	Franciscan Health	41	Community HC System	35
Indianapolis-Carmel-Anderson, IN	1994	Indiana Univ Hlth	30	Community Hlth Network	23
Kokomo, IN	5008	Ascension Healthcare	52	Community Hlth Network	48
Lafayette-West Lafayette, IN	4817	Indiana Univ Hlth	50	Franciscan Health	48
Michigan City-La Porte, IN	5088	Franciscan Health	57	Community Hlth Systems	43
Muncie, IN	10000	Indiana Univ Hlth	100		
South Bend-Mishawaka, IN-MI	5130	Beacon Health System	61	Trinity Health	37
Terre Haute, IN	5079	Union Hospital	65	HCA Healthcare	30
Ames, IA	8315	Mary Greeley MC	91	QHR	7
Cedar Rapids, IA	5137	UnityPoint Health	58	Mercy MC Cedar Rapids	42

<b><u>MSA</u></b>	<b><u>HHI</u></b>	<b><u>Hospital 1</u></b>	<b><u>Share (%)</u></b>	<b><u>Hospital 2</u></b>	<b><u>Share (%)</u></b>
Davenport-Moline-Rock Island, IA-IL	4746	Genesis HS	52	UnityPoint Health	45
Des Moines-West Des Moines, IA	4568	CommonSpirit Hlth	54	UnityPoint Health	40
Dubuque, IA	5960	Trinity Health	72	UnityPoint Health	28
Iowa City, IA	6880	University of Iowa	81	MercyOne	16
Sioux City, IA-NE-SD	4676	UnityPoint Health	53	Trinity Health	43
Waterloo-Cedar Falls, IA	4774	UnityPoint Health	57	Trinity Health	38
Lawrence, KS	10000	LMH Health	100		
Manhattan, KS	5133	Ascension Healthcare	69	Community HC System	14
Topeka, KS	6045	Stormont Vail Health	73	Arden Hlth Serv	26
Wichita, KS	3878	Ascension Healthcare	47	HCA Healthcare	40
Bowling Green, KY	6353	Med Center Health	76	HCA Healthcare	24
Elizabethtown-Fort Knox, KY	10000	Baptist Health	100		
Lexington-Fayette, KY	3271	University of Kentucky	47	Baptist Health	25
Louisville-Jefferson County, KY-IN	3016	Norton Healthcare	42	Baptist Health	25
Owensboro, KY	10000	Owensboro Health	100		
Alexandria, LA	5104	HCA Healthcare	57	CHRISTUS Health	43
Baton Rouge, LA	3769	Franciscan Missionaries	53	General Health System	28
Hammond, LA	8523	North Oaks HS	92	Lallie Kemp MC	5
Houma-Thibodaux, LA	3431	QHR	39	Terrebonne General HS	39
Lafayette, LA	4264	Ochsner Health	56	Franciscan Missionaries	33
Lake Charles, LA	3898	Lake Charles Memorial	54	CHRISTUS Health	29
Monroe, LA	3375	Franciscan Missionaries	42	Steward HC System	37
New Orleans-Metairie, LA	3341	Ochsner Health	44	LCMC Health	34
Shreveport-Bossier City, LA	5111	Willis-Knighton HS	68	Ochsner Health	19
Bangor, ME	6686	Northern Light Health	80	Covenant Health	15
Lewiston-Auburn, ME	5292	Central Maine HC	62	Covenant Health	38
Portland-South Portland, ME	7484	MaineHealth	86	Northern Light Health	6
Baltimore-Columbia-Towson, MD	1782	Univ of Maryland MS	26	Johns Hopkins HS	24
California-Lexington Park, MD	10000	MedStar Health	100		
Cumberland, MD-WV	7432	UPMC	85	West Virginia Univ HS	15
Frederick-Gaithersburg-Rockville, MD	2630	Trinity Health	36	Adventist HealthCare	29
Hagerstown-Martinsburg, MD-WV	5149	Meritus Health	62	West Virginia Univ HS	36
Salisbury, MD-DE	4697	TidalHealth	61	Beebe Healthcare	31
Barnstable Town, MA	10000	Cape Cod Healthcare	100		
Boston, MA	2125	Mass General Brigham	35	Beth Israel Lahey Hlth	20
Cambridge-Newton-Framingham, MA	2252	Beth Israel Lahey Hlth	39	Mass General Brigham	19

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Pittsfield, MA	10000	Berkshire HS	100		
Springfield, MA	4762	Baystate Health	65	Trinity Health	19
Worcester, MA-CT	3766	UMass Memorial HC	57	Tenet Healthcare	19
Ann Arbor, MI	5011	Michigan Medicine	57	Trinity Health	41
Battle Creek, MI	5886	Bronson HC Group	71	Oaklawn Hospital	29
Bay City, MI	10000	McLaren Hlth Care Corp	100		
Detroit-Dearborn-Livonia, MI	2172	BHSH Health	31	Henry Ford Health	24
Flint, MI	3337	Ascension Healthcare	35	McLaren Hlth Care Corp	34
Grand Rapids-Kentwood, MI	4730	BHSH Health	66	Trinity Health	15
Jackson, MI	10000	Henry Ford Health	100		
Kalamazoo-Portage, MI	5307	Bronson HC Group	62	Ascension Healthcare	38
Lansing-East Lansing, MI	5189	Sparrow Health System	68	McLaren Hlth Care Corp	24
Midland, MI	10000	MyMichigan Health	100		
Monroe, MI	10000	ProMedica HS	100		
Muskegon, MI	10000	Mercy Health Muskegon	100		
Niles, MI	10000	BHSH Health	100		
Saginaw, MI	5867	Covenant Healthcare	71	Ascension Healthcare	29
Warren-Troy-Farmington Hills, MI	2482	BHSH Health	38	Ascension Healthcare	25
Duluth, MN-WI	4731	Essentia Health	63	St. Luke's	27
Mankato, MN	8279	Mayo Clinic	90	QHR	10
Minneapolis-St. Paul-Bloomington, MN-WI	-	Allina Health	33	M Health Fairview	29
Rochester, MN	9232	Mayo Clinic	96	Olmsted MC	4
St. Cloud, MN	10000	CentraCare Health	100		
Gulfport-Biloxi, MS	3330	Singing River HS	42	Memorial Hosp Gulfport	38
Hattiesburg, MS	6054	Forrest General Hosp	74	Community Hlth Systems	25
Jackson, MS	2752	Franciscan Missionaries	38	University Hosp and HS	28
Cape Girardeau, MO-IL	5032	Saint Francis MC	54	SoutheastHEALTH	46
Columbia, MO	5644	Univ of Missouri HC	68	Boone Hosp Center	32
Jefferson City, MO	4936	SSM Health	52	Univ of Missouri HC	47
Joplin, MO	5093	Freeman Health System	57	Mercy	43
Kansas City, MO-KS	1574	HCA Healthcare	26	Saint Luke's HS	19
Springfield, MO	4586	Mercy	48	CoxHealth	48
St. Joseph, MO-KS	10000	Mosaic Life Care	100		
St. Louis, MO-IL	2577	BJC HealthCare	36	Mercy	26
Billings, MT	4969	Billings Clinic	56	Intermountain	43
Great Falls, MT	8087	Benefis HS	89	Great Falls	11

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Missoula, MT	5757	Providence	69	LifePoint Health	31
Grand Island, NE	6626	CommonSpirit Hlth	80	Bryan Health	11
Lincoln, NE	6808	Bryan Health	81	CommonSpirit Hlth	18
Omaha-Council Bluffs, NE-IA	3094	CommonSpirit Hlth	39	Nebraska Medicine	30
Carson City, NV	10000	Carson Tahoe Health	100		
Las Vegas-Henderson-Paradise, NV	2612	Universal Hlth Serv	34	HCA Healthcare	33
Reno, NV	5380	Renown Health	68	Prime Healthcare Serv	26
Manchester-Nashua, NH	3993	SolutioNHealth	54	Catholic MC	31
Rockingham County-Strafford County, NH	3796	HCA Healthcare	48	Mass General Brigham	35
Atlantic City-Hammonton, NJ	5984	AtlantiCare	72	Shore Medical Center	28
Camden, NJ	3923	Virtua Health	53	Cooper Univ HC	27
New Brunswick-Lakewood, NJ	4289	Hackensack Meridian	59	RWJBarnabas Health	27
Newark, NJ-PA	2683	Atlantic HS	35	RWJBarnabas Health	35
Ocean City, NJ	10000	Cape Regional HS	100		
Trenton-Princeton, NJ	5470	Capital Health	71	RWJBarnabas Health	19
Vineland-Bridgeton, NJ	10000	Inspira Hlth Network	100		
Albuquerque, NM	3543	Presbyterian	42	UNM Health	36
Farmington, NM	10000	San Juan Regional MC	100		
Las Cruces, NM	4907	LifePoint Health	54	Community Hlth Systems	45
Santa Fe, NM	7010	CHRISTUS Health	82	Presbyterian	18
Albany-Schenectady-Troy, NY	3091	Trinity Health	38	Albany MC	36
Binghamton, NY	5364	United Hlth Serv	63	Ascension Healthcare	37
Buffalo-Cheektowaga, NY	3101	KALEIDA Health	40	Catholic HS	33
Elmira, NY	10000	Arnot Health	100		
Glens Falls, NY	10000	Glens Falls Hospital	100		
Ithaca, NY	10000	Cayuga Health System	100		
Kingston, NY	9139	WMCHHealth	95	Ellenville Reg Hosp	5
Nassau County-Suffolk County, NY	3579	Northwell Health	54	Catholic Health	22
New York-Jersey City-White Plains, NY-NJ	-	NewYork-Presbyterian	15	NYC Hlth + Hosp	12
Poughkeepsie-Newburgh-Middletown, NY	3047	Nuvance Health	40	Garnet Health	31
Rochester, NY	4815	Univ of Rochester MC	56	Rochester Reg Hlth	41
Syracuse, NY	2935	Upstate Univ Hosp	40	Trinity Health	29
Utica-Rome, NY	3540	Faxton St. Luke's HC	45	St. Elizabeth MC	35
Watertown-Fort Drum, NY	7783	Samaritan MC	88	Carthage Area Hosp	11
Asheville, NC	5329	HCA Healthcare	71	UNC Health	13
Burlington, NC	10000	Cone Health	100		

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Charlotte-Concord-Gastonia, NC-SC	3442	Atrium Health, Inc.	53	Novant Health	22
Durham-Chapel Hill, NC	4958	Duke University HS	59	UNC Health	39
Fayetteville, NC	10000	Cape Fear Valley HS	100		
Goldsboro, NC	10000	UNC Health	100		
Greensboro-High Point, NC	4944	Cone Health	66	Atrium Health, Inc.	23
Greenville, NC	10000	ECU Health	100		
Hickory-Lenoir-Morganton, NC	3364	Catawba Valley MC	37	UNC Health	33
Jacksonville, NC	10000	UNC Health	100		
New Bern, NC	10000	CarolinaEast HS	100		
Raleigh-Cary, NC	4223	WakeMed Hlth & Hosp	51	UNC Health	39
Rocky Mount, NC	6675	UNC Health	79	ECU Health	21
Wilmington, NC	9572	Novant Health	98	Pender Memorial Hosp	2
Winston-Salem, NC	4919	Atrium Health, Inc.	52	Novant Health	47
Bismarck, ND	5440	Sanford Health	65	CommonSpirit Hlth	35
Fargo, ND-MN	6611	Sanford Health	78	Essentia Health	22
Grand Forks, ND-MN	7021	Altru Health System	83	Sanford Health	7
Akron, OH	3910	Summa Health	51	Cleveland Clinic HS	35
Canton-Massillon, OH	5357	Aultman	63	Cleveland Clinic HS	37
Cincinnati, OH-KY-IN	1667	Bon Secours Mercy Hlth	25	St. Elizabeth HC	22
Cleveland-Elyria, OH	3567	Cleveland Clinic HS	49	University Hospitals	33
Columbus, OH	2876	OhioHealth	41	Ohio State Univ HS	25
Dayton-Kettering, OH	5071	Kettering Hlth NW	56	Premier Health	44
Lima, OH	5971	Bon Secours Mercy Hlth	72	Lima Memorial HS	27
Mansfield, OH	8763	OhioHealth	93	Avita Health System	7
Springfield, OH	10000	Bon Secours Mercy Hlth	100		
Toledo, OH	3596	ProMedica HS	54	Bon Secours Mercy Hlth	23
Weirton-Steubenville, WV-OH	5050	CommonSpirit Hlth	55	Weirton Medical Center	45
Youngstown-Warren-Boardman, OH-PA	4750	Bon Secours Mercy Hlth	60	Steward HC System	34
Enid, OK	5161	Universal Hlth Serv	59	INTEGRIS Health	41
Lawton, OK	6162	Comanche Cty Mem Hosp	74	ScionHealth	26
Oklahoma City, OK	2195	INTEGRIS Health	32	OU Health	23
Tulsa, OK	3429	Saint Francis HS	46	Arden Hlth Serv	27
Albany-Lebanon, OR	10000	Samaritan Hlth Serv	100		
Bend, OR	10000	St. Charles HS	100		
Corvallis, OR	10000	Samaritan Hlth Serv	100		
Eugene-Springfield, OR	6684	PeaceHealth	79	Quorum Health	21



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Grants Pass, OR	10000	Asante HS	100		
Medford, OR	6398	Asante HS	76	Providence	24
Portland-Vancouver-Hillsboro, OR-WA	1967	Legacy Health	27	Providence	27
Salem, OR	7902	Salem Health	88	Legacy Health	8
Allentown-Bethlehem-Easton, PA-NJ	4683	Lehigh Valley Hlth NW	51	St. Luke's Univ Hlth NW	45
Altoona, PA	7969	UPMC	89	LifePoint Health	9
Bloomsburg-Berwick, PA	8668	Geisinger	93	Community Hlth Systems	7
Chambersburg-Waynesboro, PA	10000	WellSpan Health	100		
East Stroudsburg, PA	5025	Lehigh Valley Hlth NW	54	St. Luke's Univ Hlth NW	46
Erie, PA	4214	UPMC	55	Allegheny Hlth NW	33
Gettysburg, PA	10000	WellSpan Health	100		
Harrisburg-Carlisle, PA	5001	UPMC	51	Penn State Health	49
Johnstown, PA	10000	LifePoint Health	100		
Lancaster, PA	6083	Univ of Pennsylvania	76	WellSpan Health	16
Lebanon, PA	10000	WellSpan Health	100		
Montgomery County-Bucks County-Chester County, PA	1511	Jefferson Health	27	Main Line Health	19
Philadelphia, PA	2170	Jefferson Health	32	Univ of Pennsylvania	26
Pittsburgh, PA	2417	UPMC	40	Allegheny Hlth NW	24
Reading, PA	7355	Tower Health	84	Penn State Health	16
Scranton-Wilkes-Barre, PA	4482	Geisinger	55	Community Hlth Systems	37
State College, PA	10000	Mount Nittany MC	100		
Williamsport, PA	8127	UPMC	90	Geisinger	10
York-Hanover, PA	6061	WellSpan Health	73	UPMC	27
Providence-Warwick, RI-MA	2183	Lifespan Corporation	39	Southcoast Hosp Group	21
Charleston-North Charleston, SC	3122	MUSC Health	40	Roper St. Francis HC	28
Columbia, SC	4253	Prisma Hlth - Midlands	55	Lexington MC	32
Florence, SC	4455	McLeod Health	59	MUSC Health	29
Greenville-Anderson, SC	3665	Prisma Hlth - Midlands	53	AnMed Health	21
Hilton Head Island-Bluffton, SC	5061	Tenet Healthcare	56	Beaufort Memorial Hosp	44
Myrtle Beach-Conway-North Myrtle Beach, SC-NC	2797	HCA Healthcare	45	Conway Medical Center	18
Spartanburg, SC	10000	Spartanburg Regional	100		
Sumter, SC	7588	Prisma Hlth - Midlands	86	McLeod Health	14
Rapid City, SD	10000	Monument Health	100		
Sioux Falls, SD	5000	Avera Health	50	Sanford Health	50
Chattanooga, TN-GA	3536	Erlanger HS	45	HCA Healthcare	28
Clarksville, TN-KY	5183	Community Hlth Systems	63	Jennie Stuart MC	35

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Cleveland, TN	10000	Community Hlth Systems	100		
Jackson, TN	10000	West Tennessee HC	100		
Johnson City, TN	10000	Ballad Health	100		
Kingsport-Bristol, TN-VA	10000	Ballad Health	100		
Knoxville, TN	3681	Covenant Health	52	Univ of Tennessee MC	28
Memphis, TN-MS-AR	3161	Methodist Le Bonheur	42	Baptist Memorial HC	32
Morristown, TN	6378	Covenant Health	76	Community Hlth Systems	24
Nashville-Davidson-Murfreesboro-Franklin, TN	2632	HCA Healthcare	36	Vanderbilt Health	26
Abilene, TX	9920	Hendrick HS	100	Anson Gen Hospital	0
Amarillo, TX	5015	Ardent Hlth Serv	53	Universal Hlth Serv	47
Austin-Round Rock-Georgetown, TX	3873	HCA Healthcare	52	Ascension Healthcare	32
Beaumont-Port Arthur, TX	3581	CHRISTUS Health	41	Community Hospital Corp	38
Brownsville-Harlingen, TX	5003	Tenet Healthcare	66	HCA Healthcare	21
College Station-Bryan, TX	5289	CommonSpirit Hlth	63	Baylor Scott & White	36
Corpus Christi, TX	5008	CHRISTUS Health	52	HCA Healthcare	48
Dallas-Plano-Irving, TX	-	HCA Healthcare	25	Baylor Scott & White	21
El Paso, TX	3784	Tenet Healthcare	49	HCA Healthcare	31
Fort Worth-Arlington-Grapevine, TX	2376	Texas Hlth Resources	38	HCA Healthcare	22
Houston-The Woodlands-Sugar Land, TX	-	Memorial Hermann HS	29	HCA Healthcare	23
Killeen-Temple, TX	5509	Baylor Scott & White	71	AdventHealth	18
Laredo, TX	5454	Community Hlth Systems	65	Universal Hlth Serv	35
Longview, TX	4671	CHRISTUS Health	53	Community Hlth Systems	43
Lubbock, TX	5703	University MC	69	Providence	30
McAllen-Edinburg-Mission, TX	2843	Universal Hlth Serv	37	DHR Health	32
Midland, TX	9471	Midland Memorial Hosp	97	Martin County Hosp	3
Odessa, TX	5648	Medical Center HS	68	Steward HC System	32
San Angelo, TX	10000	Shannon MC	100		
San Antonio-New Braunfels, TX	3033	HCA Healthcare	46	Tenet Healthcare	26
Sherman-Denison, TX	6963	Universal Hlth Serv	82	Alecto Healthcare	16
Texarkana, TX-AR	5641	CHRISTUS Health	68	Steward HC System	31
Tyler, TX	4708	CHRISTUS Health	56	Ardent Hlth Serv	39
Victoria, TX	5055	Citizens MC	55	Community Hlth Systems	45
Waco, TX	4956	Ascension Healthcare	51	Baylor Scott & White	49
Wichita Falls, TX	8474	United Regional	92	Kell West Reg Hosp	5
Logan, UT-ID	7617	Intermountain	87	HCA Healthcare	7
Ogden-Clearfield, UT	3985	Intermountain	51	HCA Healthcare	33

<b><u>MSA</u></b>	<b><u>HHI</u></b>	<b><u>Hospital 1</u></b>	<b><u>Share (%)</u></b>	<b><u>Hospital 2</u></b>	<b><u>Share (%)</u></b>
Provo-Orem, UT	5857	Intermountain	72	HCA Healthcare	26
Salt Lake City, UT	2816	Intermountain	39	Univ of Utah Health	29
St. George, UT	10000	Intermountain	100		
Burlington-South Burlington, VT	8260	Univ of Vermont MC	90	QHR	10
Blacksburg-Christiansburg, VA	5041	Carilion Clinic	55	HCA Healthcare	45
Charlottesville, VA	6483	UVA Health System	77	Sentara Healthcare	23
Harrisonburg, VA	10000	Sentara Healthcare	100		
Lynchburg, VA	10000	Centra Health, Inc.	100		
Richmond, VA	3572	HCA Healthcare	44	Bon Secours Mercy Hlth	34
Roanoke, VA	5073	Carilion Clinic	56	HCA Healthcare	44
Staunton, VA	10000	Augusta Health	100		
Virginia Beach-Norfolk-Newport News, VA-NC	4169	Sentara Healthcare	60	Riverside HS	16
Winchester, VA-WV	10000	Valley Health System	100		
Bellingham, WA	10000	PeaceHealth	100		
Bremerton-Silverdale-Port Orchard, WA	10000	CommonSpirit Hlth	100		
Kennewick-Richland, WA	5080	Providence	65	LifePoint Health	29
Longview, WA	10000	PeaceHealth	100		
Mount Vernon-Anacortes, WA	5657	Skagit Reg Hlth	72	Island Hospital	22
Olympia-Lacey-Tumwater, WA	7099	Providence	82	MultiCare HS	18
Seattle-Bellevue-Kent, WA	-	UW Medicine	29	Swedish Hlth Serv	23
Spokane-Spokane Valley, WA	5620	Providence	69	MultiCare HS	30
Tacoma-Lakewood, WA	5232	MultiCare HS	61	CommonSpirit Hlth	39
Walla Walla, WA	8902	Providence	94	Columbia County HS	6
Wenatchee, WA	8141	Confluence Health	90	Lake Chelan Health	5
Yakima, WA	6885	Yakima Valley Memorial	81	Astria Health	19
Beckley, WV	4566	LifePoint Health	58	Appalachian Regional HC	34
Charleston, WV	6556	Charleston Area MC	79	Thomas HS	17
Huntington-Ashland, WV-KY-OH	5387	Mountain Hlth Network	64	King's Daughters MC	36
Morgantown, WV	7094	West Virginia Univ HS	82	Mon Health System	18
Parkersburg-Vienna, WV	10000	West Virginia Univ HS	100		
Wheeling, WV-OH	10000	West Virginia Univ HS	100		
Appleton, WI	5005	Ascension Healthcare	52	ThedaCare, Inc.	48
Eau Claire, WI	4077	Mayo Clinic	50	Hospital Sisters HS	38
Fond du Lac, WI	10000	SSM Health	100		
Green Bay, WI	3446	Hospital Sisters HS	43	Advocate Aurora Hlth	29
Janesville-Beloit, WI	3619	Mercy Health System	48	Beloit Health System	31

<b><u>MSA</u></b>	<b><u>HHI</u></b>	<b><u>Hospital 1</u></b>	<b><u>Share (%)</u></b>	<b><u>Hospital 2</u></b>	<b><u>Share (%)</u></b>
La Crosse-Onalaska, WI-MN	6338	Gundersen Lutheran MC	76	Mayo Clinic	24
Madison, WI	3174	UW Health	42	SSM Health	30
Milwaukee-Waukesha, WI	2986	Advocate Aurora Hlth	36	Froedtert Health	35
Oshkosh-Neenah, WI	3806	ThedaCare, Inc.	51	Advocate Aurora Hlth	25
Racine, WI	7380	Ascension Healthcare	84	Advocate Aurora Hlth	16
Sheboygan, WI	6247	Advocate Aurora Hlth	75	Hospital Sisters HS	25
Wausau-Weston, WI	6864	Aspirus, Inc.	81	Marshfield Clinic HS	19
Casper, WY	9173	Banner Health	96	Summit MC	4
Cheyenne, WY	10000	Cheyenne Regional MC	100		

## Notes:

1. Source: Author's analysis of the AHA Annual Survey Database 2021.
2. This study defines geographic markets as metropolitan statistical areas (MSAs). MSAs in the 2021 data are based on the Office of Management and Budget 2020 delineations. For MSAs that are very large (e.g. New York, Chicago), markets are defined as smaller parts of those MSAs called metropolitan divisions. For convenience, all metropolitan areas are referred to as MSAs.
3. MSA-level Herfindahl-Hirschman Indices (HHIs) and the market shares of the two largest hospitals are reported. The market shares and HHIs are based on hospital unit admissions.
4. HHIs in MSAs with populations of 3,000,000 persons or more are not reported because those MSAs may contain multiple hospital markets.
5. The "hospitals" can be either a hospital or a hospital system. Some hospitals belong to systems, while others do not. If the hospital is part of system, then the name of the hospital reported is the name of the system. If there is more than one hospital belonging to the same system in an MSA, the admissions are aggregated up to the system level. Market shares are calculated from system-wide admissions in an MSA.