

# County Health Economics Profile

*Madison County, MS*

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**EXTENSION**

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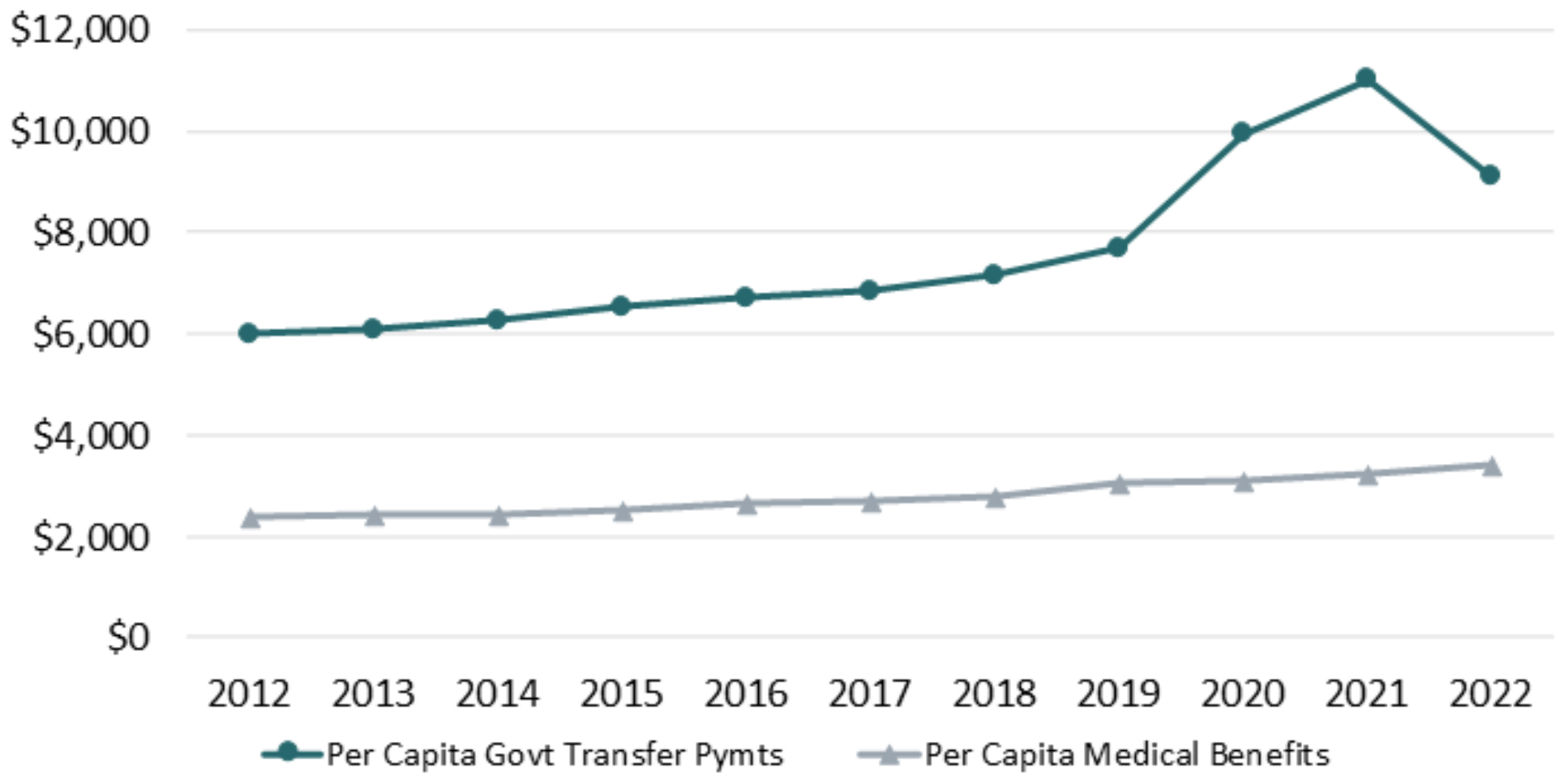
| <b>Demographics*</b>   | <b>County</b> | <b>Mississippi</b> | <b>United States</b> |
|--|---------------|--------------------|----------------------|
| Total Population, 2021 (EMSI Population Estimates)                         | 108,248       | 2,967,023          | 329,725,481          |
| Percent Change in Total Population, 2017 - 2021 (ACS Population Estimates) | 2.6%          | -0.5%              | 1.0%                 |
| Percent Non-white Population, 2021 (2017 - 2021 ACS 5-year estimates)      | 43.5%         | 43.1%              | 34.1%                |
| Percent Population Over 64 years, 2021 (2017 - 2021 ACS 5-year estimates)  | 14.6%         | 16.4%              | 16.5%                |
| Percent of Population in Poverty, 2021 (SAIPE)                             | 10.9%         | 19.2%              | 12.6%                |
| Percent of Total Population under 18 in Poverty, 2021 (SAIPE)              | 13.9%         | 26.4%              | 16.3%                |
| Current Median Household Income, 2021 (SAIPE)                              | \$79,105      | \$52,985           | \$75,149             |
| Not Covered by Health Insurance, 2021 (2017 - 2021 ACS 5-year estimates)   | 7.4%          | 11.8%              | 8.7%                 |
| Private Health Ins Cov Alone, 2021 (2017 - 2021 ACS 5-year estimates)      | 92.6%         | 88.2%              | 67.6%                |
| Public Health Ins Cov Alone, 2021 (2017 - 2021 ACS 5-year estimates)       | 27.0%         | 39.2%              | 35.9%                |

\*Data source acronyms are explained in the Data Key.

**Health Occupations per 100,000  
Population (2022) — EMSI**

| <b>Sector</b>                         | <b>Occ/100k</b> | <b>State Rank</b> |
|---------------------------------------|-----------------|-------------------|
| Physicians/Surgeons (all types)       | 465             | 4                 |
| Reg Nurses/Spec Nurses/Phys Assts     | 1,080           | 17                |
| Lic Practical/Vocational Nurses       | 340             | 25                |
| Technologists/Technicians (all types) | 1,194           | 10                |
| Nursing/Psy/Home Health Aides         | 1,798           | 17                |
| Other Practitioners                   | 385             | 2                 |
| All Other                             | 359             | 3                 |

## Per Capita Govt Transfer Payments and Medical Benefits Transfer Payments Madison County



**Economic Contribution of the Healthcare Sector  
2022 — EMSI/IMPLAN**

| <b>Sector</b>  | <b>Direct Impact</b> | <b>Multiplier</b> | <b>Total Impact</b> |
|----------------|----------------------|-------------------|---------------------|
| Output (Sales) | \$731,389,978        | 1.65              | \$1,210,001,601     |
| Labor Income   | \$589,775,063        | 1.24              | \$733,890,454       |
| Employment     | 6,480                | 1.43              | 9,287               |

**Fiscal Revenue Contribution Estimates of the Healthcare Sector  
2022 — EMSI/IMPLAN**

| <b>Revenue Source</b> | <b>State/Local Tax</b> | <b>Federal Tax</b> |
|-----------------------|------------------------|--------------------|
| Employee Compensation | \$48,737               | \$85,861,401       |
| Proprietor Income     | \$0                    | \$10,175,985       |
| TOPI                  | \$17,807,851           | \$1,073,162        |
| Households            | \$10,985,172           | \$41,518,348       |
| Corporations          | \$2,327,099            | \$5,899,063        |

**Economic Contribution of the Healthcare Sector  
2022 — EMSI/IMPLAN**

| <b>Sector*</b> | <b>Sector Description</b>           | <b>Jobs</b> | <b>Earnings</b> | <b>Value Added</b> | <b>Output</b> |
|----------------|-------------------------------------|-------------|-----------------|--------------------|---------------|
| **             | Hospitals                           | 294         | \$18,045,542    | \$20,638,183       | \$37,214,581  |
| 486            | Outpatient Care Centers             | 232         | \$25,259,338    | \$24,903,485       | \$34,651,409  |
| 483-5          | Offices of providers                | 3,787       | \$402,953,504   | \$434,643,200      | \$455,752,480 |
| 487            | Medical/Diagnostic Labs             | 186         | \$13,779,046    | \$18,508,579       | \$26,041,782  |
| 491            | Nursing/Residential Care Facilities | 1,298       | \$74,410,816    | \$76,281,509       | \$99,295,499  |
| 488            | Home Health Care Services           | 616         | \$29,295,552    | \$29,090,492       | \$30,507,509  |

**Top Health Employment Sectors  
2022 — EMSI**

| <b>NAICS Code</b> | <b>Sector</b>                       | <b>2019 Jobs</b> | <b>Annual Earn/Job</b> |
|-------------------|-------------------------------------|------------------|------------------------|
| 6211              | Offices of Physicians               | 1,572            | \$95,757               |
| 6213              | Offices of Other Health Prac        | 1,562            | \$60,444               |
| 6231              | Nurs Care Fac (Skilled Nursing Fac) | 730              | \$48,340               |
| 6216              | Home Health Care Services           | 591              | \$32,829               |
| 6212              | Offices of Dentists                 | 546              | \$84,720               |
| 6233              | Cont Care Ret Comm/Asst Eld Liv     | 443              | \$34,837               |
| 6219              | Other Amb Health Care Svcs          | 425              | \$54,810               |
| **                | Gen Med/Surgical Hospitals          | 280              | \$59,231               |

\*\*Includes privately-owned, state-owned, and local government-owned hospitals.

**Top Health Occupation Sectors  
2022— EMSI**

| <b>SOC Code</b> | <b>Sector</b>           | <b>2019 Jobs</b> | <b>Avg Hrly Earnings</b> |
|-----------------|-------------------------|------------------|--------------------------|
|                 | Total Jobs              | 6,790            | \$41.20                  |
| 31-1120         | Home Hlth/Care Aides    | 1,175            | \$15.22                  |
| 29-1140         | Registered Nurses       | 959              | \$36.86                  |
| 31-1130         | Nur Assts/Ord/Psy Aides | 565              | \$14.91                  |
| 29-1120         | Therapists              | 536              | \$49.02                  |
| 31-9090         | Misc Health Supp Occ    | 535              | \$19.66                  |
| 29-1210         | Physicians              | 459              | \$161.83                 |
| 29-2050         | Hlth Prac Supp Techs    | 378              | \$20.37                  |





## MISSISSIPPI COUNTY HEALTH ECONOMICS PROFILES

### DATA KEY

#### Data Acronyms and Abbreviations

**ACS** — American Community Survey (5-year estimates are used for all ACS variables). Data can be accessed through <https://data.census.gov>.

**SAIPE** — Small Area Income and Poverty Estimates. <https://www.census.gov/programs-surveys/saipe.html>

**BEA** — Bureau of Economic Analysis. <https://www.bea.gov/data/by-place-county-metro-local>

**Lightcast** — Proprietary data software company. <https://lightcast.io>

**IMPLAN** — Proprietary software company specializing in input-output analysis software. <https://implan.com>

**TOPI** — Taxes on Production and Imports

#### Total Population, 2022

Data were obtained from the Lightcast Population Estimates and the Bureau of Economic Analysis.

<https://lightcast.io>

#### Percent Change in Total Population, 2018 to 2022

Data were obtained from the Emsi Population Estimates and the U.S. Census Bureau Population Estimates.

<https://lightcast.io>, <https://data.census.gov>

#### Percent of the Population that is Non-white, 2022

Data were obtained from the 2018 to 2022 American Community Survey five-year estimates (Table B02001). This table depicts the population at the county, state, and national levels by race.

<https://data.census.gov>

#### Percent of the Population that is Older than 64 years, 2022

Data were obtained from the 2018 to 2022 American Community Survey five-year estimates (Table B01001). This table depicts the population at the county, state, and national levels by age and sex.

<https://data.census.gov>

#### Percent of the Population in Poverty, 2022 Estimate

Data were obtained from the Model-based Small Area Income & Poverty Estimates (SAIPE) for school districts, counties, and states.

<https://www.census.gov/data/datasets/2022/demo/saipe/2022-state-and-county.html>

#### Percent of the Total Population under 18 in Poverty, 2022

Data were obtained from the Model-based Small Area Income & Poverty Estimates (SAIPE) for school districts, counties, and states.

<https://www.census.gov/data/datasets/2022/demo/saipe/2022-state-and-county.html>

**Current Median Household Income, 2022**

Data were obtained from the Model-based Small Area Income & Poverty Estimates (SAIPE) for school districts, counties, and states.

<https://www.census.gov/data/datasets/2022/demo/saipe/2020-state-and-county.html>

**Not Covered by Health Insurance, 2022**

Data were obtained from the 2018 to 2022 American Community Survey five-year estimates (Table S2701). Estimates are of the percentage of persons in the county who were not covered by any type of health insurance.

<https://data.census.gov>

**Private Health Insurance Coverage Alone, 2022**

Data were obtained from the 2018 to 2022 American Community Survey five-year estimates (Table S2701). Estimates are of the percentage of persons in the county who were solely covered by some form of private health insurance.

<https://data.census.gov>

**Public Health Insurance Coverage Alone, 2022**

Data were obtained from the 2018 to 2022 American Community Survey five-year estimates (Table S2701). Estimates are of the percentage of persons in the county who were solely covered by some form of public health insurance.

<https://data.census.gov>

**Other Health Insurance Coverage, 2022**

Data were obtained from the 2018 to 2022 American Community Survey five-year estimates (Table S2701). Estimates are of the percentage of persons in the county who were covered by some combination of private and public health insurance.

<https://data.census.gov>

**Economic Contribution of the Healthcare Sector, 2023 (1st table)**

These estimates were calculated using input-output methodologies by the IMPLAN software from labor and earnings data provided by the Economic Modeling Specialists, Inc. proprietary database. They show the total output (all sales), labor income and employment estimates and multipliers for the direct and total economic impact of six economic sectors (Offices of physicians, dentists, and other health practitioners; Home health care services; Medical and diagnostic labs and outpatient and other ambulatory services; Nursing and residential care facilities; Private hospitals; and Public hospitals that used the spending patterns of private hospitals as a proxy).

<https://www.implan.com>

<https://lightcast.io>

### **Fiscal Revenue Estimates of the Healthcare Sector, 2023**

Estimates of fiscal revenue (taxes) generated by the healthcare sector for both the state/local and federal economies classified by revenue source. These estimates were calculated using input-output methodologies by the IMPLAN software from labor and earnings data provided by the Lightcast proprietary database.

<https://www.implan.com>

<https://lightcast.io>

### **Health Occupations per 100,000 Population, 2023**

These estimates were obtained from Lightcast. In an effort to ease comparisons of the numbers of occupations for a particular health-related sector in a county or region, the numbers of occupations existing within a county were indexed to a 100,000 population rate. Aggregated sectors are composed of the following:

#### *Physicians/Surgeons (all types)*

- Sector 29-1060—Physicians and Surgeons

#### *Registered Nurses/Specialized Nurses/Physician Assistants*

- Sector 29-1070—Physician Assistants
- Sector 29-1140—Registered Nurses
- Sector 29-1150—Nurse Anesthetists
- Sector 29-1160—Nurse Midwives
- Sector 29-1170—Nurse Practitioners

#### *Licensed Practical and Vocational Nurses*

- Sector 29-2060—Licensed Practical and Licensed Vocational Nurses

#### *Technologists/Technicians (all types)*

- Sector 29-2010—Clinical Laboratory Technologists and Technicians
- Sector 29-2030—Diagnostic Related Technologists and Technicians
- Sector 29-2040—Emergency Medical Technicians and Paramedics
- Sector 29-2050—Health Practitioner Support Technologists and Technicians
- Sector 29-2070—Medical Records and Health Information Technicians
- Sector 29-2090—Miscellaneous Health Technologists and Technicians
- Sector 29-9010—Occupational Health and Safety Specialists and Technicians

## **Health Occupations per 100,000 Population, 2022**

These estimates were obtained from Lightcast. In an effort to ease comparisons of the numbers of occupations for a particular health-related sector in a county or region, the numbers of occupations existing within a county were indexed to a 100,000 population rate. Aggregated sectors are composed of the following:

### *Nursing/Psychiatric/Home Health Aides*

- Sector 31-1010—Nursing, Psychiatric, and Home Health Aides

### *Other Practitioners*

- Sector 29-1010—Chiropractors
- Sector 29-1020—Dentists
- Sector 29-1040—Optometrists
- Sector 29-1050—Pharmacists
- Sector 29-1080—Podiatrists

### *Other*

- Sector 29-1030—Dietitians and Nutritionists
- Sector 29-1120—Therapists
- Sector 29-1190—Miscellaneous Health Diagnosing and Treating Practitioners
- Sector 29-9090—Miscellaneous Health Practitioners and Technical Workers
- Sector 31-2010—Occupational Therapy Assistants and Aides
- Sector 31-2020—Physical Therapy Assistants and Aides

<http://lightcast.io>

### **Per Capita Transfer Payments (Total Govt Payments and Govt Medical Benefits)**

These data were obtained from the Bureau of Economic Analysis Local Area Personal Income and Employment Table CA35. They show the values of total government-paid total and medical transfer payments.

<https://www.bea.gov/data/by-place-county-metro-local>

### **Economic Impact of Healthcare Sector, 2023 (2nd table)**

These are estimates of the total number of jobs and labor income resulting from the presence of the healthcare sector in the county. They were estimated using the IMPLAN software and are a result of the information gleaned from the Economic Impact of Healthcare Sector (1st table) above.

<https://www.implan.com>

<https://lightcast.io>

### **Top Health and Social Assistance Occupation Sectors, 2023**

Estimates were obtained from the Lightcast proprietary database. The largest Standard Occupational Code (SOC) occupation sectors for 2022 were captured for the county. This database also supplied estimates for the average annual earnings per occupation.

<https://lightcast.io>

### **Percentage of Jobs in the Healthcare Sector, 2023**

These estimates were obtained from the Lightcast proprietary database. The map shows the percentage of total jobs within the county that are directly involved with healthcare. Sectors used as direct healthcare sectors are: Offices of physicians, dentists, and other health practitioners; Home health care services; Medical and diagnostic labs and outpatient and other ambulatory services; Nursing and residential care facilities; Private hospitals; and Public hospitals.

<https://lightcast.io>

### **Top Health Employment Sectors, 2023**

These estimates were obtained from the Lightcast proprietary database. The largest employment NAICS code sectors for 2020 were captured for the county. This database also supplied estimates for the annual earnings per job.

<https://lightcast.io>

### **Top Health Occupation Sectors, 2023**

These estimates were obtained from the Lightcast proprietary database. The largest employment SOC (occupation) code sectors were captured for the county. This database also supplied estimates for the average hourly earnings per job.

<https://lightcast.io>

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