

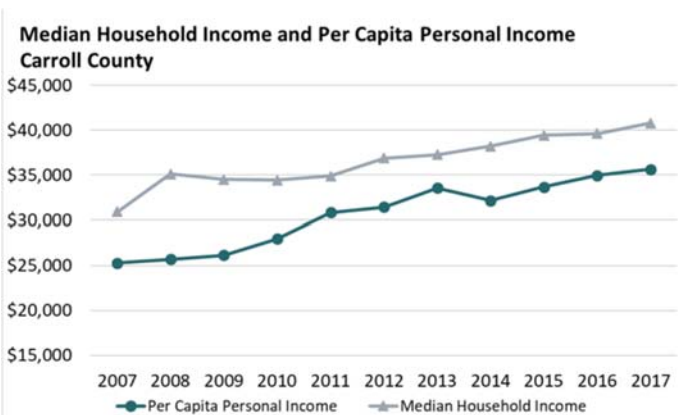
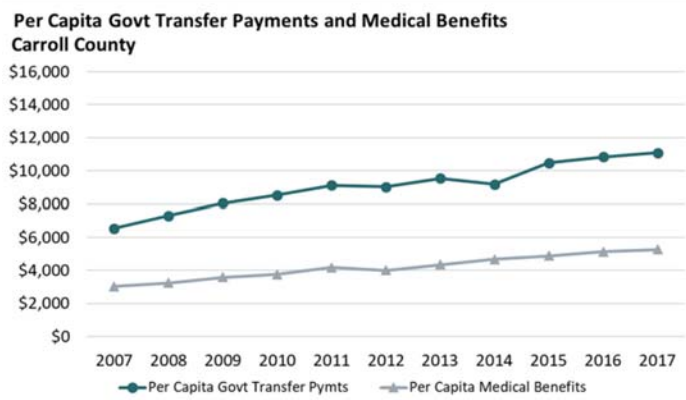
# County Health Economics Profile Carroll County, MS

[extension.msstate.edu/economic-profiles](http://extension.msstate.edu/economic-profiles)



Demographics*	County	Mississippi	United States
Total Population, 2018 (Population Estimates)	9,911	2,986,530	327,167,434
Percent Change in Total Population, 2014-2018 (Population Estimates)	-3.1%	-0.1%	2.8%
Percent Non-white Population, 2017 (2017 ACS 5-year estimates)	35.4%	41.2%	27.0%
Percent of Population Over 64 years, 2017 (2017 ACS 5-year estimates)	22.1%	14.6%	14.9%
Percent of Population in Poverty, 2017 (SAIPE)	17.6%	19.9%	13.4%
Percent of Total Population under 18 in Poverty, 2017 (SAIPE)	24.4%	27.6%	18.4%
Current Median Household Income, 2017 (SAIPE)	\$40,798	\$43,595	\$60,336
Not Covered by Health Insurance, 2017 (2017 ACS 5-year estimates)	9.8%	13.6%	10.5%
Private Health Insurance Coverage Alone, 2017 (2017 ACS 5-year estimates)	43.3%	46.2%	54.8%
Public Health Insurance Coverage Alone, 2017 (2017 ACS 5-year estimates)	25.3%	18.2%	16.6%
Other Health Insurance Coverage, 2017 (2017 ACS 5-year estimates)	21.6%	21.9%	18.1%

\*Data source acronyms are explained in the Data Key at the end of the publication.



## Health Occupations per 100,000 Population (2018)— EMSI

Sector	Occ/100k
Physicians/Surgeons (all types)	0
Reg Nurses/Spec Nurses/Phys Assts	128
Lic Practical/Vocational Nurses	128
Technologists/Technicians (all types)	49
Nursing/Psy/Home Health Aides	356
Other Practitioners	0
All Other	208

## Economic Impact of Healthcare Sector 2018— EMSI/IMPLAN

Sector	Direct Impact	Multi-plier	Total Impact
Output (Sales)	\$7,831,463	1.23	\$9,641,686
Labor Income	\$6,351,174	1.05	\$6,672,939
Employment	130	1.10	143

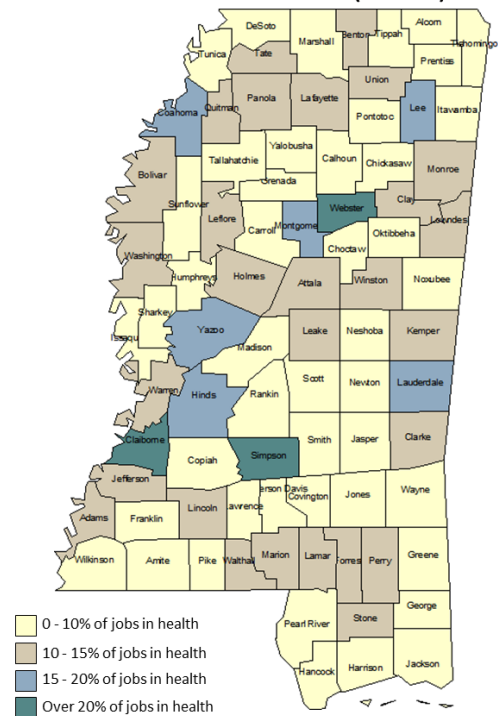
## Economic Impact of Healthcare Sector 2018— EMSI/IMPLAN

Sector	Sector Description	Jobs	Earnings	Value Added	Output
482	Hospitals	0	\$1,416	\$1,431	\$2,280
478	Outpatient Care	0	\$0	\$0	\$0
475-7	Offices of providers	20	\$746,183	\$879,192	\$936,037
479	Med/diag labs	0	\$0	\$0	\$0
483	Nur & Res Care	66	\$3,164,713	\$3,132,568	\$4,335,382
480	Home health	12	\$1,166,847	\$1,582,293	\$1,293,792

## Top Health Employment Sectors 2018— EMSI

NAICS	Sector	2018 Jobs	Annual Earn/Job
6231	Nurs Care Fac (Skilled Nursing Fac)	48	\$27,119
6233	Cont Care Ret Comm/Asst Eld Liv	31	\$28,262
6216	Home Health Care Services	22	\$28,715
6213	Offices of Other Health Prac	13	\$21,348
6219	Other Amb Health Care Svcs	9	\$54,981
6212	Offices of Dentists	7	\$25,844

## Percent of Jobs in Health Care and Social Assistance (2018)



Job Sectors in the above graph include:

- Offices of Physicians
- Offices of Dentists
- Offices of Other Health Practitioners
- Outpatient Care Centers
- Medical and Diagnostic Laboratories
- Home Health Care Services
- Other Ambulatory Health Care Services
- General Medical and Surgical Hospitals
- Psychiatric and Substance Abuse Hospitals
- Specialty Hospitals
- Skilled Nursing Care Facilities
- Residential Care Facilities
- Individual and Family Services
- Vocational Rehabilitation Services
- Child Day Care Services

## Top Health Occupation Sectors 2018— EMSI

SOC	Sector	2018 Jobs	Avg Hrlly Earnings
	Total Jobs	97	\$17.95
31-1010	Nurs/Psych/Home Hlth Aide	38	\$9.59
29-2060	Lic Prac/Voc Nurses	14	\$17.69
29-1140	Registered Nurses	13	\$25.91
29-1120	Therapists	10	\$33.55
31-2020	Phys Ther Assts/Aides	5	\$15.18
29-2020	Dental Hygienists	2	\$27.93
29-2050	Health Pract Support Tech	2	\$14.93

For further information, contact Alan Barefield at 662.325.7995 or [alan.barefield@msstate.edu](mailto:alan.barefield@msstate.edu).

# MISSISSIPPI COUNTY HEALTH ECONOMIC 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 American FactFinder (<https://factfinder.census.gov>, use the Advanced Search feature).

**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>

**EMSI** — Proprietary data software company. <https://www.economicmodeling.com>

### Total Population, 2018

Data were obtained from the 2018 Population Estimates (Table PEPANNRES).

<https://factfinder.census.gov>

### Percent Change in Total Population, 2014-2018

Data were obtained from the 2018 Population Estimates (Table PEPANNRES).

<https://factfinder.census.gov>

### Percent of the Population that is Non-white, 2017

Data were obtained from the 2017 American Community Survey 5-year estimates (Table B02001). This table depicts the population at the county, state and nation levels by race.

<https://factfinder.census.gov>

### Percent of the Population that is Older than 64 years, 2017

Data were obtained from the 2017 American Community Survey 5-year estimates (Table B01001). This table depicts the population at the county, state and nation levels by age and sex.

<https://factfinder.census.gov>

### Percent of the Population in Poverty, 2017 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/2017/demo/saipe/2017-state-and-county.html>

### Percent of the Total Population under 18 in Poverty, 2017

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/2017/demo/saipe/2017-state-and-county.html>

### Current Median Household Income, 2017

These 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/2017/demo/saipe/2017-state-and-county.html>

### Not Covered by Health Insurance, 2017

Data were obtained from the 2017 American Community Survey 5-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://factfinder.census.gov>

### Private Health Insurance Coverage Alone, 2017

Data were obtained from the 2017 American Community Survey 5-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://factfinder.census.gov>

### Public Health Insurance Coverage Alone, 2017

Data were obtained from the 2017 American Community Survey 5-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://factfinder.census.gov>

### Other Health Insurance Coverage, 2017

Data were obtained from the 2017 American Community Survey 5-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://factfinder.census.gov>

### **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 transfer payments and medical transfer payments paid by the government.

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

### **Median Household Income and Per Capita Personal Income**

These data were obtained from the Small Area Income and Poverty Estimates and the Bureau of Economic Analysis Personal Income and Employment Table CA1-3. They show the levels of median household income (defined above) and per capita personal income (total personal income divided by the county's population) for the county.

<https://www.census.gov/data/datasets/2017/demo/saipe/2017-state-and-county.html>

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

### **Health Occupations per 100,000 Population, 2018**

These estimates were obtained from EMSI. 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

#### *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://economicmodeling.com>

### **Top Health and Social Assistance Occupation Sectors, 2018**

Estimates were obtained from the Economic Modeling Specialists, Inc., proprietary database. The largest SOC occupation sectors for 2017 were captured for the county. This database also supplied estimates for the average annual earnings per occupation.

<http://economicmodeling.com>

### **Percentage of Jobs in the Healthcare Sector, 2018**

These estimates were obtained from the Economic Modeling Specialists, Inc., 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.

<http://economicmodeling.com>

### **Economic Impact of Healthcare Sector, 2018 (1<sup>st</sup> 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).

<http://www.implan.com>

<http://economicmodeling.com>

### **Economic Impact of Healthcare Sector, 2018 (2<sup>nd</sup> 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 (1<sup>st</sup> table) above.

<http://www.implan.com>

<http://economicmodeling.com>

### **Top Health Employment Sectors, 2018**

These estimates were obtained from the Economic Modeling Specialists, Inc., proprietary database. The largest employment NAICS code sectors for 2018 were captured for the county. This database also supplied estimates for the annual earnings per job.

<http://www.implan.com>

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