County Health Economics Profile
Carroll County, MS
extension.msstate.edu/economic-profiles

MISSISSIPPI STATE UNIVERSITY™
EXTENSION

Demographics*	County	Mississippi	United States
Total Population, 2022 (Emsi Population Estimates)	10,053	2,967,023	329,725,481
Percent Change - Total Population, 2022 (2018-2022 ACS 5-year estimates)	0.8%	-0.5%	1.0%
Percent Non-white Population, 2022 (2018-2022 ACS 5-year estimates)	36.7%	43.1%	34.1%
Percent Population Over 64 years, 2022 (2018-2022 ACS 5-year estimates)	23.7%	16.4%	16.5%
Percent of Population in Poverty, 2022 (SAIPE)	20.3%	19.2%	12.6%
Percent of Total Population under 18 in Poverty, 2022 (SAIPE)	24.3%	26.4%	16.3%
Current Median Household Income, 2022 (SAIPE)	$42,285	$52,985	$75,149
Not Covered by Health Insurance, 2022 (2018-2022 ACS 5-year estimates)	7.5%	11.8%	8.7%
Private Health Insur Cov Alone, 2022 (2018-2022 ACS 5-year estimates)	92.5%	88.2%	67.6%
Public Health Insur Cov Alone, 2022 (2018-2022 ACS 5-year estimates)	51.3%	39.2%	35.9%

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

Economic Contribution of the Healthcare Sector 2023 - Lightcast/IMPLAN

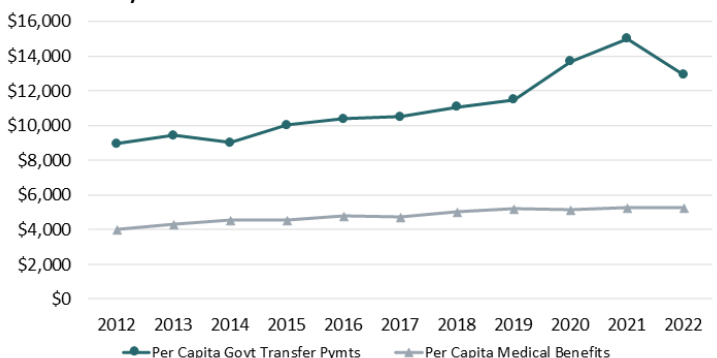| Sector	Direct Impact	Multi-plier	Total Impact
Output (Sales)	$10,811,741	1.35	$14,598,948
Labor Income	$9,192,484	1.05	$9,686,261
Employment	166	1.17	195

Fiscal Revenue Contribution Estimates of the Healthcare Sector , 2023 - Lightcast/IMPLAN

Revenue Source	Local Tax	State Tax	Federal Tax
Employee Comp	$0	$578	$1,576,324
Proprietor Income	$0	$0	$129,179
TOPI	$162,427	$147,907	$21,779
Households	$5,447	$172,578	$667,698
Corporations	$0	$18,181	$46,089

Health Occupations per 100,000 Population 2023 - Lightcast

Sector	Occ/100k	State Rank
Physicians/Surgeons (all types)	30	81
Reg Nurses/Spec Nurses/Phys Assts	169	81
Lic Practical/Vocational Nurses	149	67
Technologist/Technicians (all types)	219	82
Nursing/Psy/Home Health Aides	686	68
Other Practitioners	90	50
All Other	50	81

Per Capita Govt Transfer Payments and Medical Benefits Transfer Payments Carroll County

Economic Contribution of the Healthcare Sector
2023 - Lightcast/IMPLAN

Sector*	Sector Description	Jobs	Earnings	Value Added	Output
**	Hospitals	0	$330	$378	$1,706
486	Outpatient Care Centers	0	$0	$0	$0
483-5	Offices of providers	43	$3,067,703	$3,565,496	$3,320,999
487	Medical/Diagnostic Labs	0	$0	$0	$0
491	Nursing/Residential Care Facilities	52	$3,699,310	$3,775,570	$4,480,076
488	Home Health Care Services	47	$1,194,916	$1,188,475	$1,197,890

*Sector numbers are IMPLAN sectors. ** The Hospital sector includes private hospitals (NAICS 490), state-owned hospitals (NAICS 902622, and locally owned hospitals (NAICS 903622).

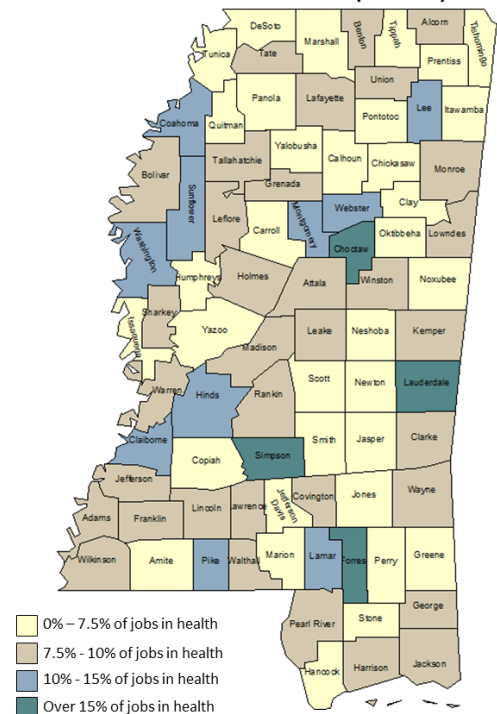## Top Health Employment Sectors
2023 - Lightcast

NAICS Code	Sector	Jobs	Annual Earn/Job
6231	Nurs Care Fac (Skilled Nursing Fac)	48	$48,088
6216	Home Health Care Services	47	$18,028
6213	Offices of Other Health Prac	36	$57,719
6219	Other Amb Health Care Svcs	20	$49,536
6212	Offices of Dentists	7	$44,281
6233	Cont Care Ret Comm/Asst Eld Liv	3	$33,614
6232	Res Int/Dev Dis/Ment Hlth/Sub Ab	1	$32,559

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

Top Health Occupation Sectors
2023 - Emsi

SOC Code	Sector	Jobs	Avg Hrly Earnings
	Total Jobs	145	$30.23
31-1120	Home Hlth/Care Aides	42	$14.87
31-1130	Nur Assts/Ord/Psy Aides	25	$14.23
29-1140	Registered Nurses	15	$38.44
29-2060	Lic Prac/Voc Nurses	15	$24.06
29-1120	Therapists	13	$49.76
31-9090	Misc Health Supp Occ	8	$20.42
29-1290	Misc Diag/Trt Prac	5	$46.30

Percent of Jobs in Health Care and Social Assistance (2022)

- 0% – 7.5% of jobs in health
- 7.5% - 10% of jobs in health
- 10% - 15% of jobs in health
- Over 15% of jobs in health

Job sectors in the above map 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

For further information, contact Alan Barefield at 662.325.7995 or alan.barefield@msstate.edu

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, 2023

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://economicmodeling.com, 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/2021-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/2021-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/2021-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 Lightcast 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 Contribution 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, a proprietary database. 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

https://lightcast.io

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

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 benefits transfer payments.

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

Economic Contribution of the 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

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Top Health and Social Assistance Occupation Sectors, 2023

Estimates were obtained from the Lightcast proprietary database. The largest Standard Occupational Classification (SOC) sectors for 2023 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 2023 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 for 2023 were captured for the county. This database also supplied estimates for the average hourly earnings per job.

https://lightcast.io