

County Health Economics Profile

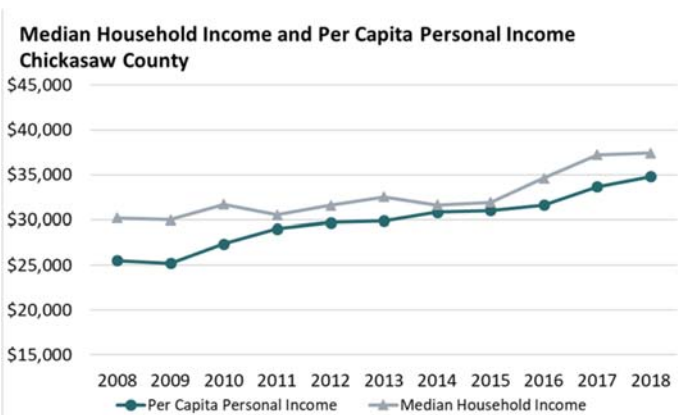
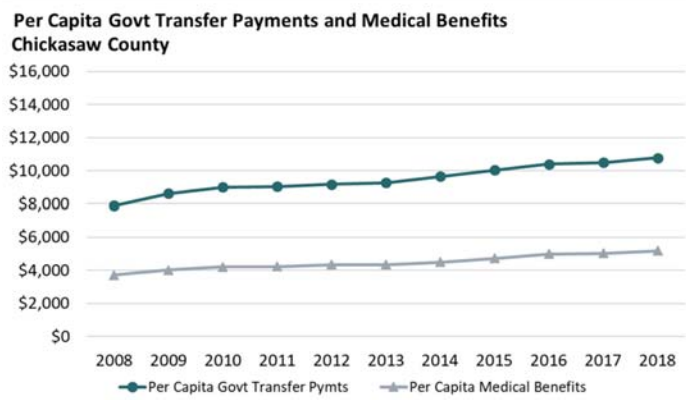
Chickasaw County, MS

extension.msstate.edu/economic-profiles



Demographics*	County	Mississippi	United States
Total Population, 2019 (EMSI Population Estimates)	17,171	2,986,530	327,167,434
Percent Change in Total Population, 2015-2019 (EMSI Population Estimates)	-1.3%	-0.1%	2.8%
Percent Non-white Population, 2018 (2014-2018 ACS 5-year estimates)	47.5%	41.4%	27.3%
Percent Population Over 64 years, 2018 (2014-2018 ACS 5-year estimates)	16.3%	15.1%	15.2%
Percent of Population in Poverty, 2018 (SAIPE)	18.2%	19.9%	13.4%
Percent of Total Population under 18 in Poverty, 2018 (SAIPE)	29.6%	27.6%	18.4%
Current Median Household Income, 2018 (SAIPE)	\$37,231	\$43,595	\$60,336
Not Covered by Health Insurance, 2018 (2014-2018 ACS 5-year estimates)	14.0%	12.7%	9.4%
Private Health Insurance Cov Alone, 2018 (2014-2018 ACS 5-year estimates)	40.5%	46.6%	55.0%
Public Health Insurance Cov Alone, 2018 (2014-2018 ACS 5-year estimates)	20.6%	18.7%	16.9%
Other Health Insurance Coverage, 2018 (2014-2018 ACS 5-year estimates)	24.8%	22.0%	18.7%

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



Health Occupations per 100,000 Population (2019)— EMSI

Sector	Occ/100k
Physicians/Surgeons (all types)	23
Reg Nurses/Spec Nurses/Phys Assts	483
Lic Practical/Vocational Nurses	52
Technologists/Technicians (all types)	367
Nursing/Psy/Home Health Aides	163
Other Practitioners	87
All Other	204

Economic Impact of Healthcare Sector 2019— EMSI/IMPLAN

Sector	Direct Impact	Multi-plier	Total Impact
Output (Sales)	\$31,176,738	1.35	\$42,073,920
Labor Income	\$15,432,758	1.15	\$17,725,442
Employment	285	1.34	383

Economic Impact of Healthcare Sector 2019— EMSI/IMPLAN

Sector*	Sector Description	Jobs	Earnings	Value Added	Output
490	Hospitals	213	\$10,565,353	\$12,781,674	\$24,134,832
486	Outpatient Care Centers	5	\$376,988	\$499,102	\$882,939
483-5	Offices of providers	21	\$703,874	\$951,813	\$1,937,403
487	Medical/Diagnostic Labs	0	\$0	\$0	\$0
491	Nursing/Residential Care Facilities	6	\$114,165	\$230,379	\$417,263
488	Home Health Care Services	5	\$147,377	\$602,256	\$827,292

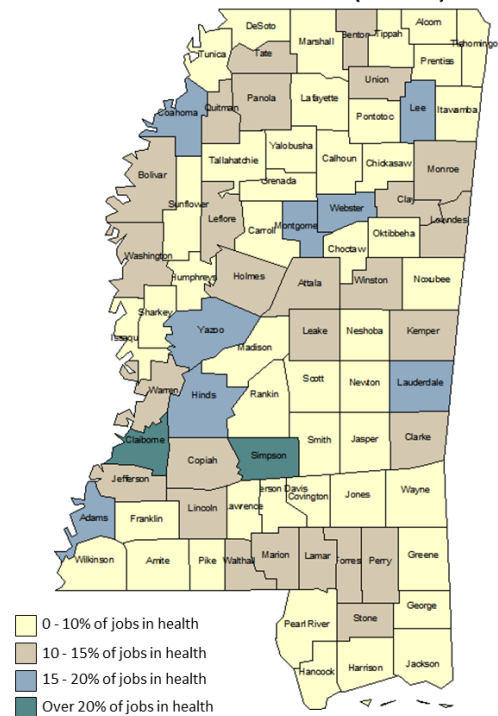
*Sector numbers are IMPLAN sectors.

Top Health Employment Sectors 2019— EMSI

NAICS Code	Sector	2019 Jobs	Annual Earn/Job
**	Gen Med/Surgical Hospitals	208	\$50,978
6212	Offices of Dentists	30	\$49,119
6211	Offices of Physicians	20	\$35,002
6213	Offices of Other Health Prac	11	\$62,110
6214	Outpatient Care Centers	5	\$76,081
6233	Cont Care Ret Comm/Asst Eld Liv	5	\$19,201
6216	Home Health Care Services	4	\$32,183

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

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



Top Health Occupation Sectors 2019— EMSI

SOC Code	Sector	2019 Jobs	Avg Hrlly Earnings
	Total Jobs	266	\$24.46
29-1140	Registered Nurses	86	\$24.19
31-1010	Nurs/Psych/Home Hlth Aide	30	\$9.95
29-2050	Health Pract Support Tech	30	\$15.41
29-1120	Therapists	15	\$27.82
29-2030	Diag Related Tech	12	\$21.31
29-1050	Pharmacists	10	\$59.01
29-2060	Lic Prac/Voc Nurses	10	\$16.35

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

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>

EMSI — Proprietary data software company. <http://economicmodeling.com>

Total Population, 2019

Data were obtained from the EMSI Population Estimates.

<http://economicmodeling.com>

Percent Change in Total Population, 2015 to 2019

Data were obtained from the EMSI Population Estimates.

<http://economicmodeling.com>

Percent of the Population that is Non-white, 2018

Data were obtained from the 2014 to 2018 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, 2018

Data were obtained from the 2014 to 2018 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, 2018 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/2018/demo/saipe/2018-state-and-county.html>

Percent of the Total Population under 18 in Poverty, 2018

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/2018/demo/saipe/2018-state-and-county.html>

Current Median Household Income, 20178

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/2018/demo/saipe/2018-state-and-county.html>

Not Covered by Health Insurance, 2018

Data were obtained from the 2014 to 2018 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, 2018

Data were obtained from the 2014 to 2018 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, 2018

Data were obtained from the 2014 to 2018 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, 2018

Data were obtained from the 2014 to 2018 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>

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/2018/demo/saipe/2018-state-and-county.html>

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

Health Occupations per 100,000 Population, 2019

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, 2019

Estimates were obtained from the Economic Modeling Specialists, Inc., proprietary database. The largest SOC occupation sectors for 2019 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, 2019

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, 2019 (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).

<http://www.implan.com>

<http://economicmodeling.com>

Economic Impact of Healthcare Sector, 2019 (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.

<http://www.implan.com>

<http://economicmodeling.com>

Top Health Employment Sectors, 2019

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://economicmodeling.com>

Top Health Occupation Sectors, 2019

These estimates were obtained from the Economic Modeling Specialists, Inc., proprietary database. The largest employment SOC (occupation) code sectors for 2019 were captured for the county. This database also supplied estimates for the average hourly earnings per job.

<http://economicmodeling.com>

Publication P2978-10 (POD-04-20)

By **Alan Barefield**, Extension Professor, Department of Agricultural Economics, **Emily V. Durr**, Student Assistant, Department of Agricultural Economics, **Thaddeus A. Webb**, Student Assistant, Department of Agricultural Economics, and **Samantha K. Seamon**, Student Assistant, Department of Agricultural Economics.

Copyright 2020 by Mississippi State University. All rights reserved. This publication may be copied and distributed without alteration for nonprofit educational purposes provided that credit is given to the Mississippi State University Extension Service.

Mississippi State University is an equal opportunity institution. Discrimination in university employment programs or activities based on race, color, ethnicity, sex, pregnancy, religion, national origin, disability, age, sexual orientation, genetic information, status as a U.S. veteran, or any other status protected by applicable law is prohibited. Questions about equal opportunity programs or compliance should be directed to the Office of Compliance and Integrity, 56 Morgan Avenue, P.O. Box 6044, Mississippi State, MS 39762, (662) 325-5839.

Extension Service of Mississippi State University, cooperating with U.S. Department of Agriculture. Published in furtherance of Acts of Congress, May 8 and June 30, 1914. GARY B. JACKSON, Director