



Tennessee Labor Market Report

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Highlights

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The Future of STEM Occupations

In 1992, IBM unveiled the very first smart phone, the Simon Personal Communicator. Now, twenty-seven years later, it is hard to imagine our lives without the convenience of researching, shopping, or even staying in touch with distant friends and family without a smart phone. Many inventions, such as the smart phone, have been developed thanks to researchers and developers working in science, technology, engineering, and mathematics (STEM) occupations.

According to the U.S. Bureau of Labor Statistics, there were nearly 8.6 million STEM jobs in May of 2015. Between May of 2009 and May of 2015, STEM occupations grew by 10.5 percent, or 817,260 jobs. The non-STEM occupations, in comparison, only grew by 5.2 percent. STEM occupations are projected to have the fastest rate of growth of any field between 2014 and 2024. Mathematical and science occupations are projected to grow by 28.2 percent while the average growth rate for other occupations is only 6.5 percent. Also, 93 percent of all STEM occupations had wages either at or above the national average.

Teen Declining Interest in STEM

Despite the many positive benefits of pursuing a STEM career, many teenagers do not find interest in the STEM field, and new research shows that this interest is declining. A survey published by Junior Achievement on May 22, 2019 showed a decreased interest from 36 percent to 24 percent amongst boys between the ages of 13 and 17 years old. The interest level amongst girls of the same age is even worse with only 11 percent showing interest in STEM fields.

Ed Grocholski, senior vice president of brand Junior Achievement USA, was reported in the survey saying, "Given the amount of emphasis placed on STEM education, it's a bit discouraging to see that those numbers are continuing to go down."

Another study from 2009 conducted by MIT, revealed that many young people actually embrace subjects related to sci-

ence, technology, engineering, and mathematics with very positive attitudes. However, many of these young people do not have role models, mentors, or a continued encouragement in these fields as they grow older. The survey continues saying that many teens, nearly two-thirds, may be discouraged from a STEM career because they do not know anyone who works in these fields.

America's Strategy for STEM Education

The National Science and Technology Council (NSTC) released a report containing a five-year strategic plan for STEM education in December 2018. The report sets out a Federal strategy to ensure all Americans will have a lifelong access to high-quality STEM education.

To achieve this vision they will be pursuing three aspirational goals:

I. Build Strong Foundations for STEM Literacy:

- A. Ensuring that every American has the opportunity to master basic STEM concepts;
- B. Including computational thinking, and to become digitally literate;
- C. Promote digital literacy and cyber safety;
- D. Make computational thinking an integral element of education;
- E. Expand digital platforms for teaching and learning.

II. Increase Diversity, Equity, and Inclusion in STEM:

- A. Provide all Americans with lifelong access to high-quality STEM education, especially to those who have been historically underrepresented in STEM fields;
- B. Foster STEM ecosystems that unite communities;
- C. Increase work-based learning through educator-employer partnerships;
- D. Blend successful practices from across the learning landscape.

III. Prepare the STEM Workforce for the Future:

- A. By creating authentic learning experiences that encourage and prepare learners to pursue STEM careers;
- B. Advance innovation and entrepreneurship education;
- C. Make mathematics a magnet;
- D. Encourage transdisciplinary learning.

STEM Occupations and Employment, U.S. and TN

U.S. STEM occupations with the highest and lowest annual mean wages, May 2015

Occupation	Annual mean wage
Petroleum engineers	\$149,590
Architectural and engineering managers	141,650
Computer and information systems managers	141,000
Natural sciences managers	136,570
Physicists	118,500
U.S. annual mean wage, all occupations	48,320
Environmental science and protection technicians, including health	46,540
Biological technicians	45,230
Surveying and mapping technicians	44,800
Agricultural and food science technicians	39,000
Forest and conservation technicians	38,260

Source: U.S. Bureau of Labor Statistics

U.S. STEM employment by type of STEM occupation, May 2015

Type of STEM occupation	Employment
Computer occupations	3,853,860
Engineers	1,610,480
Drafters, engineering, technicians, and mapping technicians	696,250
STEM-related management	574,470
STEM-related sales	406,210
Life and physical science technicians	331,400
Life scientists	281,440
Physical scientists	281,440
STEM-related postsecondary teachers	247,400
Architects, surveyors, and cartographers	168,660
Mathematical science occupations	151,380

Source: U.S. Bureau of Labor Statistics

Selected STEM Occupations Openings in Tennessee, 2016-2026

Occupation Title	Employment 2016	Projected Employment, 2026	Job Openings Projected 2016-2026
Computer User Support Specialists	10,085	13,301	11,610
Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Projects	8,954	10,133	10,720
Software Developers, Applications	6,227	9,497	8,205
Computer Systems Analysts	7,407	9,327	7,185

Tennessee STEM employment from 2016 to 2026 is expected to increase by 29,850 jobs. TDLWD's recently released publication on STEM Occupations which can be found here: <https://www.jobs4tn.gov/admin/gsipub/htmlarea/uploads/LMI/Publications/STEMReport2019Updated.pdf>

Tennessee Civilian Labor Workforce 1989-Present

County Unemployment Rates*

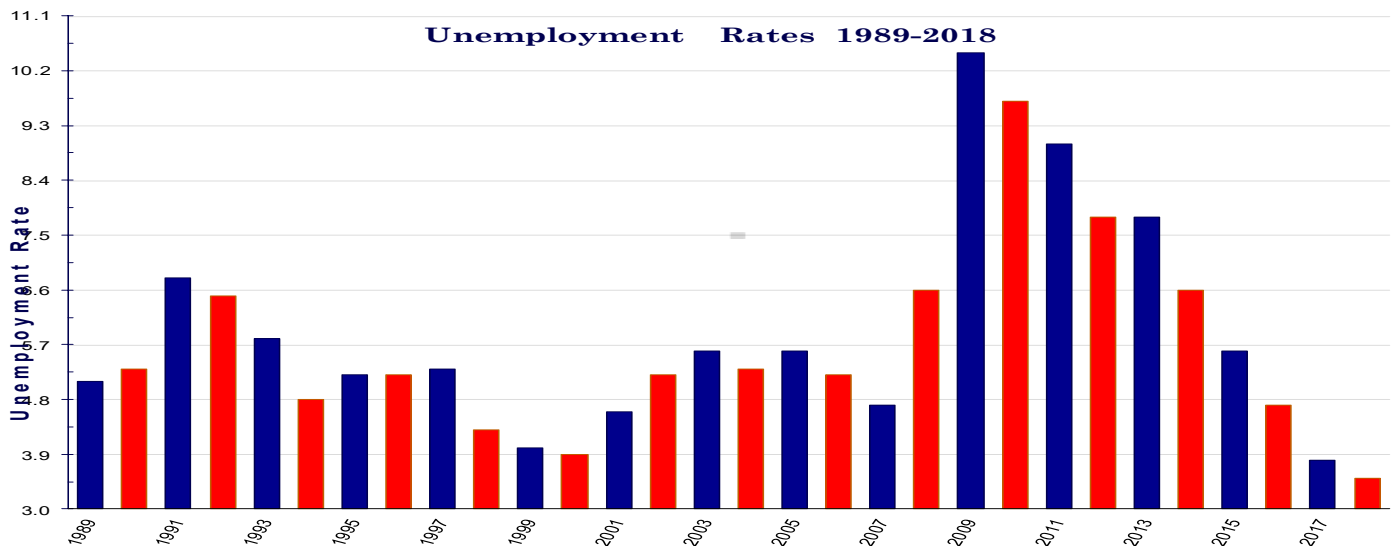
(NUMBERS IN THOUSANDS) MONTHLY DATA NOT SEASONALLY ADJUSTED

Year and Month	Civilian Labor Force						Unemployed	
	Total	Employment	Employed			Number	Rate (%)	
			Nonfarm Employment					
			Total	**Manu- facturing	**Trade	**Services		
1989	2,367.3	2,247.2	2,167.2	524.5	508.4	467.2	120.2	5.1 %
1990	2,394.7	2,266.8	2,193.2	493.4	379.1	611.0	128.0	5.3
1991	2,413.7	2,250.6	2,183.6	480.3	373.0	626.7	163.1	6.8
1992	2,457.2	2,297.4	2,245.0	492.8	374.1	664.8	159.8	6.5
1993	2,526.9	2,380.5	2,328.5	502.8	382.5	709.8	146.4	5.8
1994	2,659.9	2,531.1	2,423.0	513.8	398.4	751.4	128.8	4.8
1995	2,732.2	2,591.5	2,498.9	518.0	412.6	795.0	140.7	5.2
1996	2,767.0	2,623.8	2,533.3	501.5	420.9	814.3	143.2	5.2
1997	2,786.1	2,639.2	2,584.0	498.0	430.5	849.7	146.9	5.3
1998	2,812.4	2,691.5	2,638.4	498.6	437.1	875.7	120.9	4.3
1999	2,852.4	2,739.2	2,685.3	494.7	443.6	900.8	113.3	4.0
2000	2,843.1	2,733.3	2,728.9	488.1	447.5	930.9	109.8	3.9
2001	2,861.3	2,731.0	2,688.3	454.2	446.6	921.5	130.4	4.6
2002	2,906.6	2,756.1	2,664.4	428.5	438.7	938.0	150.5	5.2
2003	2,912.2	2,748.1	2,667.5	414.1	440.8	950.3	164.0	5.6
2004	2,878.7	2,725.1	2,706.1	411.8	447.5	978.7	153.6	5.3
2005	2,904.8	2,743.4	2,743.1	408.8	454.6	1,005.6	161.4	5.6
2006	3,036.0	2,878.5	2,783.1	400.1	460.6	1,030.4	157.6	5.2
2007	3,063.7	2,920.4	2,797.4	380.0	463.5	1,052.8	143.3	4.7
2008	3,054.8	2,853.7	2,774.8	361.0	457.0	1,058.2	201.0	6.6
2009	3,052.7	2,733.1	2,619.8	309.2	427.8	1,025.3	319.6	10.5
2010	3,090.8	2,792.1	2,619.5	298.9	423.5	1,041.2	298.7	9.7
2011	3,125.3	2,844.7	2,661.4	304.4	427.1	1,076.8	280.6	9.0
2012	3,100.7	2,857.9	2,714.0	313.4	433.3	1,112.2	242.7	7.8
2013	3,072.5	2,832.9	2,749.7	318.8	437.2	1,139.2	239.6	7.8
2014	3,024.2	2,825.1	2,822.1	322.7	438.9	1,188.3	199.1	6.6
2015	3,061.5	2,889.4	2,893.7	330.8	443.0	1,227.9	172.1	5.6
2016	3,128.9	2,981.6	2,965.3	341.7	450.8	1,262.6	147.3	4.7
2017	3,190.2	3,070.3	3,011.3	346.3	454.1	1,285.8	119.9	3.8
2018	3,244.9	3,131.7	3,060.3	350.7	457.3	1,309.7	113.3	3.5
2019								
January	3,266.3	3,146.5	3,060.8	352.8	457.5	1,296.9	119.9	3.7 %
February	3,299.4	3,195.2	3,077.3	356.5	457.5	1,307.2	104.2	3.2
March	3,330.6	3,220.2	3,084.6	355.1	455.5	1,313.3	110.4	3.3
April	3,336.6	3,245.2	3,104.2	354.9	454.7	1,328.8	91.4	2.7
May	3,362.9	3,260.7	3,112.6	356.5	460.3	1,332.3	102.2	3.0
June	3,391.5	3,255.5	3,100.0	359.8	460.6	1,342.7	136.0	4.0
July (r)	3,403.4	3,258.1	3,090.2	360.4	459.8	1,339.4	145.3	4.3
August (p)	3,351.4	3,238.0	3,107.3	359.3	456.7	1,345.7	113.5	3.4
September								
October								
November								
December								

(r)=revised
(p)=preliminary
Trade = Wholesale and Retail Trade
**These industries not comparable to industry employment data before 1990 because of changes to NAICS coding system.
Services = Professional/Business Services, Educational/Health Services, Leisure/Hospitality, and Other Services.

County	Aug 2018	Aug 2019	County	Aug 2018	Aug 2019
Anderson	4.0	3.5	Lauderdale	6.2	5.3
Bedford	4.1	3.8	Lawrence	4.1	4.0
Benton	5.0	4.5	Lewis	4.0	3.5
Bledsoe	6.1	4.9	Lincoln	3.2	3.2
Blount	3.3	3.1	Loudon	3.6	3.4
Bradley	3.9	3.7	Macon	3.5	3.1
Campbell	4.8	4.2	Madison	4.0	3.6
Cannon	3.3	3.3	Marion	5.0	4.4
Carroll	5.2	4.6	Marshall	3.5	3.3
Carter	4.3	4.0	Maury	3.1	2.8
Cheatham	2.9	2.6	McMinn	4.1	3.8
Chester	4.1	3.6	McNairy	5.4	5.1
Claiborne	4.3	4.1	Meigs	4.5	4.3
Clay	4.8	6.1	Monroe	3.8	3.6
Cocke	4.5	4.1	Montgomery	4.1	3.8
Coffee	3.5	3.3	Moore	3.2	3.2
Crockett	3.9	3.4	Morgan	4.6	3.9
Cumberland	4.2	4.0	Obion	5.2	4.4
Davidson	2.9	2.6	Overton	3.7	3.5
Decatur	4.6	4.5	Perry	4.2	4.1
DeKalb	4.6	4.0	Pickett	4.1	3.9
Dickson	3.2	3.1	Polk	4.3	4.3
Dyer	4.7	5.0	Putnam	3.8	3.5
Fayette	3.8	3.5	Rhea	5.8	5.4
Fentress	4.5	4.7	Roane	4.3	4.0
Franklin	3.5	3.3	Robertson	3.4	2.9
Gibson	4.7	4.3	Rutherford	2.9	2.7
Giles	3.8	3.6	Scott	4.3	4.3
Grainger	4.1	3.8	Sequatchie	4.5	4.4
Greene	5.0	4.6	Sevier	2.9	2.5
Grundy	4.4	3.9	Shelby	4.4	4.1
Hamblen	4.0	3.9	Smith	3.1	2.9
Hamilton	3.6	3.4	Stewart	5.1	4.5
Hancock	5.4	6.0	Sullivan	3.8	3.6
Hardeman	4.8	4.7	Sumner	3.0	2.8
Hardin	4.3	4.0	Tipton	4.4	3.8
Hawkins	4.2	4.1	Trousdale	3.3	2.9
Haywood	5.3	4.8	Unicoi	5.0	4.7
Henderson	4.6	4.0	Union	4.2	3.9
Henry	4.1	3.8	Van Buren	4.9	4.3
Hickman	3.3	3.1	Warren	4.0	3.9
Houston	5.4	4.4	Washington	3.8	3.5
Humphreys	4.1	3.7	Wayne	5.1	4.3
Jackson	5.0	4.3	Weakley	4.7	4.1
Jefferson	4.0	3.7	White	4.0	3.8
Johnson	3.5	3.2	Williamson	2.7	2.5
Knox	3.2	2.9	Wilson	3.0	2.7
Lake	5.1	4.9			

*Data Not Seasonally Adjusted



Statewide

Estimated Nonfarm Employment (in thousands)

Industry	Revised Preliminary			Net Change	
	August 2018	July 2019	August 2019	August 2018	July 2019
Total Nonfarm	3,063.9	3,090.0	3,107.3	43.4	17.3
Total Private	2,642.3	2,681.4	2,681.9	39.6	0.5
Goods-Producing	485.0	493.3	490.0	5.0	-3.3
Mining, Logging, & Construction	132.0	132.9	130.7	-1.3	-2.2
Mining and Logging	4.4	4.5	4.5	0.1	0.0
Construction	127.6	128.4	126.2	-1.4	-2.2
Construction of Buildings	27.1	26.9	26.5	-0.6	-0.4
Heavy and Civil Engineering Construction	16.9	17.8	18.0	1.1	0.2
Specialty Trade Contractors	83.6	83.7	81.7	-1.9	-2.0
Manufacturing	353.0	360.4	359.3	6.3	-1.1
Durable Goods Manufacturing	225.8	231.2	230.6	4.8	-0.6
Wood Product Manufacturing	12.6	12.5	12.6	0.0	0.1
Nonmetallic Mineral Product Manufacturing	14.2	15.0	15.1	0.9	0.1
Primary Metal Manufacturing	11.1	11.7	11.8	0.7	0.1
Fabricated Metal Product Manufacturing	37.0	37.9	37.9	0.9	0.0
Machinery Manufacturing	25.9	25.8	26.0	0.1	0.2
Computer & Electronic Product Manufacturing	5.2	5.5	5.4	0.2	-0.1
Electrical Equipment & Appliance Manufacturing	18.9	18.9	18.8	-0.1	-0.1
Transportation Equipment Manufacturing	74.0	76.8	76.0	2.0	-0.8
Furniture & Related Product Manufacturing	9.6	9.6	9.6	0.0	0.0
Miscellaneous Manufacturing Durable Goods	17.3	17.5	17.4	0.1	-0.1
Nondurable Goods Manufacturing	127.2	129.2	128.7	1.5	-0.5
Food Manufacturing	35.7	36.1	36.0	0.3	-0.1
Beverage & Tobacco Product Manufacturing	7.5	8.0	8.0	0.5	0.0
Paper Manufacturing	12.1	12.1	12.1	0.0	0.0
Printing & Related Support Activities	9.1	9.0	9.0	-0.1	0.0
Chemical Manufacturing	25.7	25.9	25.8	0.1	-0.1
Plastics & Rubber Products Manufacturing	24.9	25.1	25.0	0.1	-0.1
Plastics Product Manufacturing	14.2	14.4	14.3	0.1	-0.1
Rubber Product Manufacturing	10.7	10.7	10.7	0.0	0.0
Service-Providing	2,578.9	2,596.7	2,617.3	38.4	20.6
Trade, Transportation, & Utilities	626.8	633.8	631.0	4.2	-2.8
Wholesale Trade	119.9	119.9	119.6	-0.3	-0.3
Merchant Wholesalers, Durable Goods	70.1	71.7	71.6	1.5	-0.1
Merchant Wholesalers, Nondurable Goods	42.3	41.0	40.7	-1.6	-0.3
Wholesale Electronic Markets	7.5	7.2	7.3	-0.2	0.1
Retail Trade	336.2	339.9	337.1	0.9	-2.8
Motor Vehicle & Parts Dealers	47.9	47.0	47.2	-0.7	0.2
Furniture & Home Furnishings Stores	9.9	10.0	10.1	0.2	0.1
Building Material, Garden Equipment, & Supplies	29.6	31.6	30.1	0.5	-1.5
Food & Beverage Stores	54.9	54.5	54.0	-0.9	-0.5
Health & Personal Care Stores	23.3	23.1	23.1	-0.2	0.0
Gasoline Stations	23.7	23.9	24.6	0.9	0.7
Clothing & Clothing Accessories Stores	23.6	23.5	23.5	-0.1	0.0
Sporting Goods, Hobby, Book, & Music Stores	12.3	12.0	12.0	-0.3	0.0
General Merchandise Stores	72.3	72.1	71.9	-0.4	-0.2
Miscellaneous Store Retailers	17.8	16.9	16.2	-1.6	-0.7
Nonstore Retailers	10.5	10.5	10.5	0.0	0.0
Transportation, Warehousing, & Utilities	170.7	174.0	174.3	3.6	0.3
Utilities	3.6	3.5	3.5	-0.1	0.0
Transportation & Warehousing	167.1	170.5	170.8	3.7	0.3
Truck Transportation	59.1	59.3	59.2	0.1	-0.1
Information	44.7	46.4	46.5	1.8	0.1
Financial Activities	164.2	168.5	168.7	4.5	0.2
Finance & Insurance	122.8	125.0	125.1	2.3	0.1
Real Estate, Rental, & Leasing	41.4	43.5	43.6	2.2	0.1
Professional & Business Services	418.3	418.5	426.3	8.0	7.8
Professional, Scientific, & Technical Services	140.5	144.0	145.1	4.6	1.1
Management of Companies & Enterprises	50.6	52.0	52.3	1.7	0.3
Administrative, Support, & Waste Management	227.2	222.5	228.9	1.7	6.4
Educational & Health Services	433.9	432.8	436.3	2.4	3.5
Educational Services	55.8	54.5	53.4	-2.4	-1.1
Health Care & Social Assistance	378.1	378.3	382.9	4.8	4.6
Ambulatory Health Care Services	153.1	154.0	156.7	3.6	2.7
Hospitals	111.1	111.1	111.8	0.7	0.7
Nursing & Residential Care Facilities	63.6	63.4	63.8	0.2	0.4
Social Assistance	50.3	49.8	50.6	0.3	0.8
Leisure & Hospitality	350.4	367.9	364.5	14.1	-3.4
Arts, Entertainment, & Recreation	44.2	49.8	49.0	4.8	-0.8
Accommodation & Food Services	306.2	318.1	315.5	9.3	-2.6
Accommodation	40.7	42.4	40.6	-0.1	-1.8
Food Services & Drinking Places	265.5	275.7	274.9	9.4	-0.8
Other Services	119.0	120.2	118.6	-0.4	-1.6
Government	421.6	408.6	425.4	3.8	16.8
Federal Government	49.1	50.0	50.7	1.6	0.7
State Government	92.1	92.2	93.0	0.9	0.8
State Government Educational Services	50.7	50.6	51.4	0.7	0.8
Local Government	280.4	266.4	281.7	1.3	15.3
Local Government Educational Services	130.6	118.7	131.9	1.3	13.2

Nonfarm Employment & Labor Workforce Narrative

Total nonfarm employment increased by 43,400 jobs from August 2018 to August 2019. There were increases in food services/drinking places (up 9,400 jobs); professional/business services (up 8,000 jobs), which includes increases of 4,600 jobs in professional/scientific/technical services; manufacturing (up 6,300 jobs), which includes 4,800 jobs in durable goods manufacturing; health care/social assistance (up 4,800 jobs), which includes increases of 3,600 jobs in ambulatory health care services; arts/entertainment/recreation (up 4,800 jobs); financial activities (up 4,500 jobs) which includes an increase of 2,300 jobs in finance/insurance; transportation/warehousing (up 3,700 jobs); information (up 1,800 jobs); federal government (up 1,600 jobs); and durable goods wholesalers (up 1,500 jobs).

These increases were partially offset by a decline of 2,400 jobs in educational services, and a decrease of 1,900 jobs in specialty trade contractors.

During the past month, nonfarm employment increased by 17,300 jobs. There were increases in local government (up 15,300 jobs); professional and business services (up 7,800 jobs), health care and social assistance (up 4,600 jobs); and state government educational services (up 800 jobs).

These increases were partially offset by decreases in leisure and hospitality (down 3,400 jobs); and retail trade (down 2,800 jobs).

Tennessee's seasonally adjusted estimated unemployment rate for August 2019 was 3.5 percent, unchanged from the revised July 2019 rate. The United States unemployment rate for August 2019 was 3.7 percent, unchanged from the revised July 2019 rate. In August 2018, the U.S. seasonally adjusted rate was 3.8 percent while the state rate was 3.5 percent.

The not seasonally adjusted unemployment rate decreased in 95 counties. Sevier and Williamson Counties had the lowest rate at 2.5 percent. Sevier county decreased by 0.8 percent and Williamson decreased by 0.7 percent from the July rate. The highest rate was Clay County at 6.1 percent, down from 8.0 percent.

The data from all the nonfarm employment estimates tables include all full- and part-time nonfarm wage and salary employees who worked during or received pay for any part of the pay period that includes the 12th of the month. This is a count of jobs by place of work. Agricultural workers, proprietors, self-employed persons, workers in private households, and unpaid family workers are excluded. These numbers may not add due to rounding. Data are based on the 2018 benchmark.

Civilian Labor Force

Civilian Labor Force Summary

	August 2018				July 2019				August 2019			
	Labor Force	Employment	Unemployed	Rate	Labor Force	Employment	Unemployed	Rate	Labor Force	Employment	Unemployed	Rate
Seasonally Adjusted												
U.S.	161,802,000	155,604,000	6,197,000	3.8	163,351,000	157,228,000	6,063,000	3.7	163,922,000	157,878,000	6,044,000	3.7
TENNESSEE	3,248,600	3,136,300	112,300	3.5	3,350,100	3,233,000	117,000	3.5	3,358,200	3,241,100	117,100	3.5
Not Seasonally Adjusted												
U.S.	161,909,000	155,539,000	6,370,000	3.9	164,941,000	158,385,000	6,556,000	4.0	164,019,000	157,816,000	6,203,000	3.8
TENNESSEE	3,228,400	3,109,700	118,700	3.7	3,403,400	3,258,100	145,300	4.3	3,351,400	3,238,000	113,500	3.4
Metropolitan Statistical Areas												
Chattanooga	269,010	258,980	10,030	3.7	281,830	270,450	11,380	4.0	275,880	266,390	9,490	3.4
Clarksville	114,200	109,130	5,080	4.4	120,110	113,870	6,240	5.2	118,580	113,560	5,020	4.2
Cleveland	56,560	54,320	2,240	4.0	59,120	56,300	2,820	4.8	58,090	55,890	2,200	3.8
Jackson	63,860	61,320	2,540	4.0	67,880	64,970	2,910	4.3	66,420	64,050	2,370	3.6
Johnson City	89,470	85,860	3,610	4.0	93,650	89,270	4,380	4.7	92,390	88,920	3,470	3.8
Kingsport	135,550	130,420	5,130	3.8	143,030	136,760	6,280	4.4	141,310	136,280	5,040	3.6
Knoxville	419,390	404,880	14,510	3.5	444,720	426,330	18,380	4.1	436,510	422,590	13,920	3.2
Memphis	630,760	603,640	27,130	4.3	664,900	631,670	33,230	5.0	650,600	623,120	27,480	4.2
Morristown	50,510	48,500	2,020	4.0	53,530	50,990	2,540	4.7	52,500	50,500	2,000	3.8
Nashville	1,038,210	1,007,720	30,490	2.9	1,097,650	1,060,960	36,680	3.3	1,082,080	1,053,310	28,770	2.7
Micropolitan Statistical Areas												
Athens	22,670	21,750	920	4.1	23,920	22,750	1,170	4.9	23,560	22,660	900	3.8
*Brownsville	7,780	7,360	420	5.3	7,790	7,340	460	5.8	7,860	7,490	380	4.8
Cookeville	48,420	46,530	1,890	3.9	50,300	47,910	2,390	4.7	50,250	48,440	1,810	3.6
Crossville	23,560	22,560	990	4.2	24,180	22,920	1,260	5.2	24,310	23,320	980	4.0
*Dayton	13,000	12,250	750	5.8	13,370	12,450	910	6.8	13,240	12,530	720	5.4
Dyersburg	16,240	15,470	770	4.7	16,770	15,750	1,020	6.1	16,660	15,830	830	5.0
Greeneville	29,690	28,200	1,500	5.0	30,800	29,030	1,780	5.8	30,540	29,130	1,420	4.6
Lawrenceburg	18,300	17,540	760	4.1	19,020	18,020	1,000	5.2	19,020	18,260	760	4.0
Lewisburg	15,290	14,750	540	3.5	15,800	15,150	650	4.1	15,720	15,200	520	3.3
Martin	15,810	15,070	740	4.7	15,840	14,770	1,070	6.8	16,380	15,710	670	4.1
McMinnville	16,700	16,030	660	4.0	17,060	16,130	920	5.4	16,940	16,280	670	3.9
Newport	15,070	14,390	670	4.5	15,730	14,910	820	5.2	15,510	14,870	640	4.1
Paris	14,280	13,690	580	4.1	14,980	14,270	710	4.7	14,870	14,310	560	3.8
Sevierville	54,210	52,660	1,550	2.9	58,630	56,720	1,910	3.3	57,320	55,880	1,450	2.5
Shelbyville	20,550	19,710	840	4.1	21,300	20,250	1,050	4.9	21,080	20,280	810	3.8
Tullahoma	48,760	47,060	1,700	3.5	51,380	49,260	2,120	4.1	50,840	49,170	1,670	3.3
Cities												
Bartlett	30,960	29,960	1,010	3.3	32,750	31,550	1,190	3.6	32,110	31,150	960	3.0
Brentwood	21,900	21,300	600	2.7	23,220	22,450	770	3.3	22,870	22,280	590	2.6
Bristol	11,570	11,130	440	3.8	12,310	11,710	600	4.8	12,080	11,640	440	3.6
Chattanooga	84,530	81,190	3,330	3.9	89,800	85,600	4,200	4.7	87,480	84,190	3,290	3.8
Clarksville	61,720	59,000	2,720	4.4	65,390	62,040	3,350	5.1	64,400	61,780	2,620	4.1
Cleveland	20,250	19,440	820	4.0	21,170	20,140	1,030	4.9	20,840	20,000	840	4.0
Collierville	25,720	24,960	750	2.9	27,250	26,290	950	3.5	26,700	25,960	740	2.8
Columbia	18,040	17,370	670	3.7	19,020	18,270	750	3.9	18,720	18,150	570	3.1
Cookeville	13,880	13,280	600	4.3	14,380	13,650	730	5.1	14,350	13,760	590	4.1
Franklin	44,880	43,710	1,170	2.6	47,500	46,070	1,430	3.0	46,850	45,720	1,130	2.4
Gallatin	19,470	18,820	650	3.3	20,580	19,830	740	3.6	20,300	19,680	620	3.1
Germantown	19,810	19,230	580	2.9	20,970	20,250	720	3.4	20,560	19,990	570	2.8
Hendersonville	32,320	31,390	940	2.9	34,160	33,070	1,090	3.2	33,660	32,820	850	2.5
Jackson	31,910	30,530	1,380	4.3	33,950	32,390	1,550	4.6	33,170	31,880	1,290	3.9
Johnson City	30,950	29,790	1,160	3.8	32,370	30,970	1,400	4.3	31,970	30,840	1,130	3.5
Kingsport	22,550	21,650	900	4.0	23,920	22,780	1,140	4.8	23,560	22,640	920	3.9
Knoxville	95,680	92,320	3,360	3.5	101,450	97,250	4,210	4.1	99,540	96,340	3,200	3.2
LaVergne	19,250	18,660	590	3.0	20,310	19,630	680	3.3	20,030	19,490	540	2.7
Lebanon	15,300	14,770	530	3.5	16,160	15,530	630	3.9	15,940	15,430	510	3.2
Maryville	13,540	13,100	440	3.2	14,370	13,800	570	4.0	14,130	13,680	450	3.2
Memphis	292,240	277,810	14,430	4.9	309,600	292,620	16,980	5.5	302,480	288,860	13,620	4.5
Morristown	11,260	10,790	470	4.1	11,970	11,340	630	5.3	11,720	11,240	480	4.1
*Mount Juliet	18,880	18,330	550	2.9	19,930	19,280	650	3.3	19,650	19,150	500	2.5
Murfreesboro	77,090	74,770	2,320	3.0	81,430	78,670	2,760	3.4	80,310	78,090	2,220	2.8
Nashville	394,690	383,410	11,280	2.9	417,310	403,920	13,390	3.2	411,220	400,720	10,500	2.6
Oak Ridge	14,010	13,490	520	3.7	14,830	14,210	620	4.2	14,550	14,080	470	3.2
Smyrna	27,560	26,800	760	2.7	29,160	28,200	960	3.3	28,740	28,000	750	2.6
Spring Hill	21,690	21,090	600	2.8	22,910	22,210	700	3.0	22,620	22,050	570	2.5

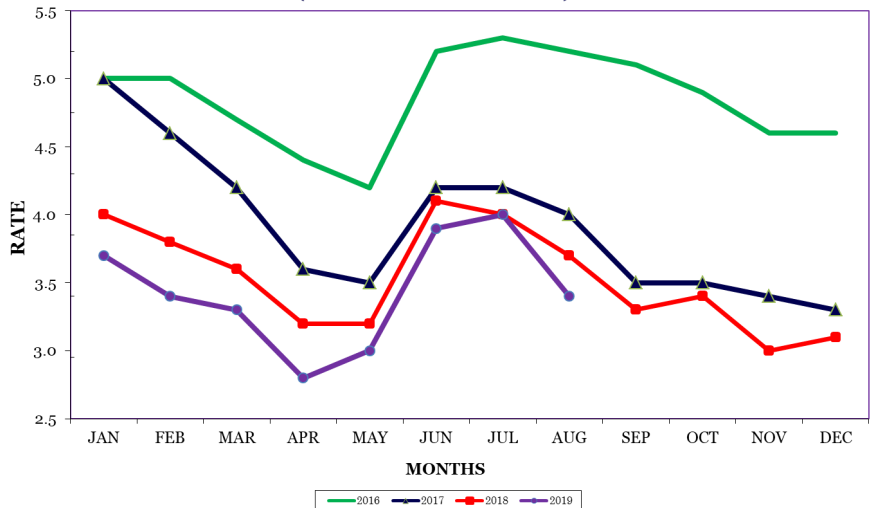
*2016 Census changes: **Micropolitan Areas**-Dayton and Brownsville added, Columbia, Harriman, Humboldt, LaFollette deleted. **Cities**: Mount Juliet added and Union City deleted.

Chattanooga MSA

Total nonfarm employment in the Chattanooga MSA remained the same from July 2019 to August 2019. There was an increase in professional/business services and local government (both up 1,200). This increase was completely offset by declines of 1,200 jobs in leisure/hospitality, 900 jobs in educational/health services, and 300 jobs in retail trade.

During the past 12 months, nonfarm employment increased by 2,900 jobs. During the year, goods-producing jobs increased by 1,500 while service-providing jobs increased by 1,400.

**CHATTANOOGA MSA
UNEMPLOYMENT RATES**
(NOT SEASONALLY ADJUSTED)

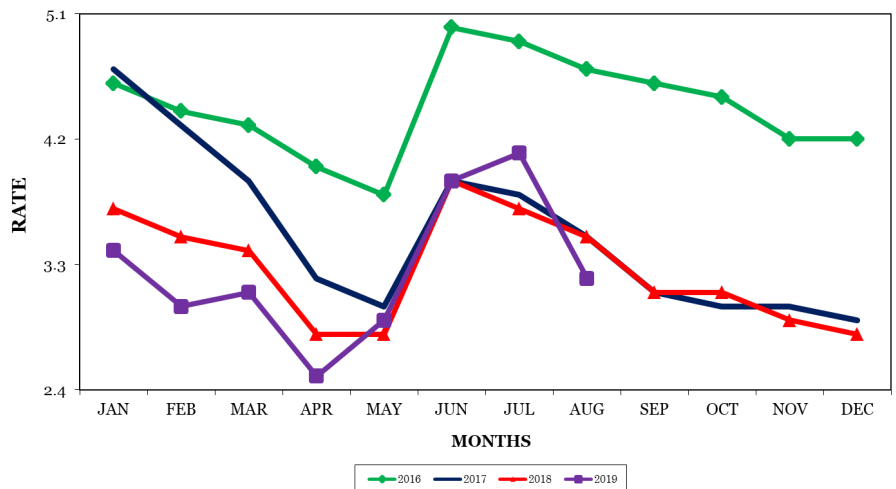


Estimated Nonfarm Employment (in thousands)

Industry	August 2018	Revised July 2019	Preliminary August 2019	Net Change August 2018 - August 2019	Net Change July 2019 - August 2019
Total Nonfarm	262.3	265.2	265.2	2.9	0.0
Total Private	226.0	229.9	228.6	2.6	-1.3
Goods-Producing	45.8	47.5	47.3	1.5	-0.2
Mining, Logging, & Construction	11.4	11.9	11.9	0.5	0.0
Manufacturing	34.4	35.6	35.4	1.0	-0.2
Durable Goods Manufacturing	19.1	20.3	20.1	1.0	-0.2
Nondurable Goods Manufacturing	15.3	15.3	15.3	0.0	0.0
Service-Providing	216.5	217.7	217.9	1.4	0.2
Trade, Transportation, & Utilities	53.1	54.0	53.9	0.8	-0.1
Wholesale Trade	8.3	8.4	8.4	0.1	0.0
Retail Trade	27.8	28.3	28.0	0.2	-0.3
Transportation, Warehousing, & Utilities	17.0	17.3	17.5	0.5	0.2
Information	3.3	3.3	3.3	0.0	0.0
Financial Activities	16.9	16.9	16.9	0.0	0.0
Professional & Business Services	30.3	30.0	31.2	0.9	1.2
Educational & Health Services	34.2	34.5	33.6	-0.6	-0.9
Leisure & Hospitality	30.5	31.8	30.6	0.1	-1.2
Other Services	11.9	11.9	11.8	-0.1	-0.1
Government	36.3	35.3	36.6	0.3	1.3
Federal Government	5.4	5.4	5.5	0.1	0.1
State Government	6.1	6.4	6.4	0.3	0.0
Local Government	24.8	23.5	24.7	-0.1	1.2

Knoxville MSA

KNOXVILLE MSA UNEMPLOYMENT RATES (NOT SEASONALLY ADJUSTED)



Total nonfarm employment in the Knoxville MSA increased by 3,200 jobs from July 2019 to August 2019. There were increases in local government (up 1,500 jobs), state government (up 800 jobs), and professional/business services and leisure/hospitality (both up 600 jobs).

These increases were partially offset by a decline of 700 jobs in retail trade, 500 jobs in trade/transportation/utilities, and 100 jobs in both other services and mining/logging/ construction.

During the past 12 months, nonfarm employment increased by 7,200 jobs. During the year, goods-producing jobs increased by 400 while service-providing jobs increased by 6,800.

Estimated Nonfarm Employment (in thousands)

Industry	August 2018	Revised	Preliminary	Net Change	
		July 2019	August 2019	August 2018	July 2019
	2018	2019	2019	August 2019	August 2019
Total Nonfarm	400.4	404.4	407.6	7.2	3.2
Total Private	341.9	348.4	349.2	7.3	0.8
Goods-Producing	59.0	59.5	59.4	0.4	-0.1
Mining, Logging, & Construction	18.6	18.3	18.2	-0.4	-0.1
Manufacturing	40.4	41.2	41.2	0.8	0.0
Durable Goods Manufacturing	30.3	31.0	31.0	0.7	0.0
Nondurable Goods Manufacturing	10.1	10.2	10.2	0.1	0.0
Service-Providing	341.4	344.9	348.2	6.8	3.3
Trade, Transportation, & Utilities	78.3	80.9	80.4	2.1	-0.5
Wholesale Trade	16.3	16.3	16.3	0.0	0.0
Retail Trade	48.0	50.3	49.6	1.6	-0.7
Transportation, Warehousing, & Utilities	14.0	14.3	14.5	0.5	0.2
Information	5.9	5.9	5.9	0.0	0.0
Financial Activities	20.0	20.1	20.1	0.1	0.0
Professional & Business Services	65.0	64.5	65.1	0.1	0.6
Educational & Health Services	54.4	55.9	56.2	1.8	0.3
Leisure & Hospitality	43.8	45.7	46.3	2.5	0.6
Other Services	15.5	15.9	15.8	0.3	-0.1
Government	58.5	56.0	58.4	-0.1	2.4
Federal Government	5.4	5.5	5.6	0.2	0.1
State Government	19.6	18.5	19.3	-0.3	0.8
Local Government	33.5	32.0	33.5	0.0	1.5

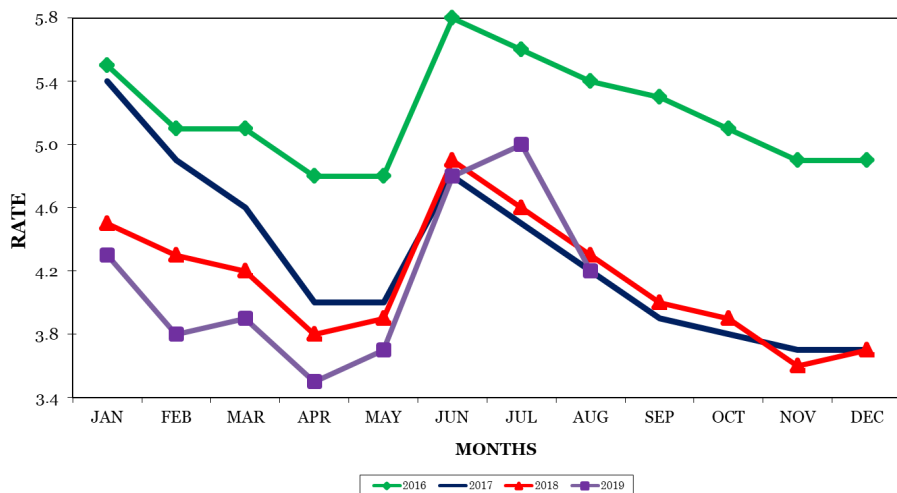
Memphis MSA

Total nonfarm employment in the Memphis MSA increased by 2,500 jobs from July to August. There were increases in local government (up 3,400 jobs), educational/health services (up 800 jobs), and wholesale trade (up 200 jobs).

This was partially offset by decreases in transportation/warehousing/utilities (down 900 jobs), and professional/scientific/technical services (down 400 jobs).

During the past 12 months, nonfarm employment increased 8,900 jobs. During that time, goods-producing jobs increased by 600 jobs, while service providing jobs increased by 8,300 jobs.

**MEMPHIS MSA
UNEMPLOYMENT RATES
(NOT SEASONALLY ADJUSTED)**



Estimated Nonfarm Employment (in thousands)

Industry	August 2018	Revised July 2019	Preliminary August 2019	Net Change August 2018 - August 2019	Net Change July 2019 - August 2019
Total Nonfarm	649.5	655.9	658.4	8.9	2.5
Total Private	567.3	576.3	575.2	7.9	-1.1
Goods-Producing	69.0	69.9	69.6	0.6	-0.3
Mining, Logging, & Construction	24.0	24.7	24.6	0.6	-0.1
Manufacturing	45.0	45.2	45.0	0.0	-0.2
Durable Goods Manufacturing	26.9	27.1	27.0	0.1	-0.1
Nondurable Goods Manufacturing	18.1	18.1	18.0	-0.1	-0.1
Service-Providing	580.5	586.0	588.8	8.3	2.8
Trade, Transportation, & Utilities	174.3	175.7	175.1	0.8	-0.6
Wholesale Trade	35.0	35.4	35.6	0.6	0.2
Retail Trade	66.7	66.8	66.9	0.2	0.1
Transportation, Warehousing, & Utilities	72.6	73.5	72.6	0.0	-0.9
Information	5.4	5.4	5.4	0.0	0.0
Financial Activities	29.5	30.2	30.0	0.5	-0.2
Professional & Business Services	96.6	99.2	98.8	2.2	-0.4
Professional, Scientific, & Technical Services	24.0	24.3	23.9	-0.1	-0.4
Management of Companies & Enterprises	9.8	9.9	9.9	0.1	0.0
Administrative, Support, & Waste Management	62.8	65.0	65.0	2.2	0.0
Educational & Health Services	95.0	94.0	94.8	-0.2	0.8
Leisure & Hospitality	70.3	74.2	73.9	3.6	-0.3
Other Services	27.2	27.7	27.6	0.4	-0.1
Government	82.2	79.6	83.2	1.0	3.6
Federal Government	13.4	13.4	13.5	0.1	0.1
State Government	15.1	15.4	15.5	0.4	0.1
Local Government	53.7	50.8	54.2	0.5	3.4



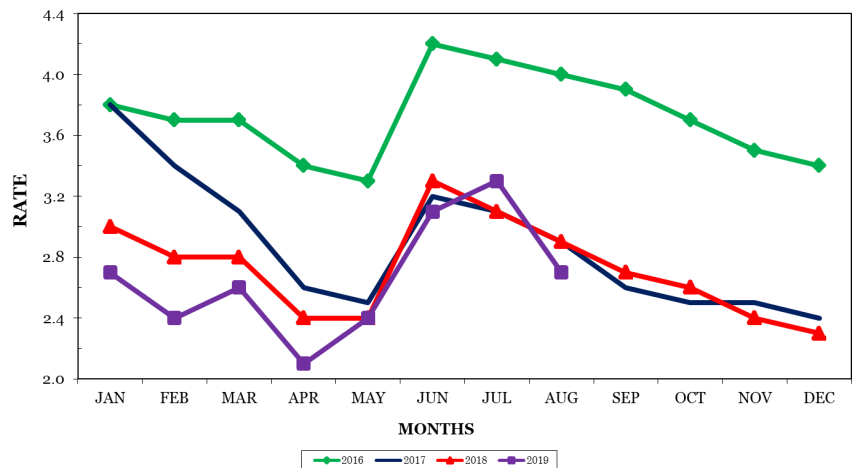
Nashville MSA

Total nonfarm employment in the Nashville MSA increased by 10,100 jobs from July to August. There were increases in local government (up 6,800 jobs), administrative/support/waste management (up 3,400 jobs), and educational/health services (up 2,600 jobs), which includes an increase of 2,000 jobs in health care/social assistance.

These increases were partially offset by decreases in other services (down 1,700 jobs), mining/logging/construction (down 1,000 jobs), retail trade (down 600 jobs), and professional/scientific/technical services (down 500 jobs).

During the past 12 months, nonfarm employment increased by 19,100 jobs. During that time, goods-producing jobs decreased by 1,700 jobs, while service-providing increased by 20,800 jobs.

**NASHVILLE MSA
UNEMPLOYMENT RATES**
(NOT SEASONALLY ADJUSTED)



Estimated Nonfarm Employment (in thousands)

Industry	August 2018	Revised July 2019	Preliminary August 2019	Net Change	
				August 2018 to August 2019	July 2019 to August 2019
Total Nonfarm	1,016.5	1,025.5	1,035.6	19.1	10.1
Total Private	900.7	913.5	916.7	16.0	3.2
Goods-Producing	131.5	131.3	129.8	-1.7	-1.5
Mining, Logging, & Construction	47.2	47.1	46.1	-1.1	-1.0
Manufacturing	84.3	84.2	83.7	-0.6	-0.5
Durable Goods Manufacturing	59.7	59.3	58.8	-0.9	-0.5
Nondurable Goods Manufacturing	24.6	24.9	24.9	0.3	0.0
Service-Providing	885.0	894.2	905.8	20.8	11.6
Trade, Transportation, & Utilities	194.6	196.9	197.4	2.8	0.5
Wholesale Trade	42.3	42.0	42.0	-0.3	0.0
Retail Trade	101.1	100.4	99.8	-1.3	-0.6
Transportation, Warehousing, & Utilities	51.2	54.5	55.6	4.4	1.1
Information	23.0	23.7	23.9	0.9	0.2
Financial Activities	69.1	71.1	71.2	2.1	0.1
Professional & Business Services	167.2	169.1	171.9	4.7	2.8
Professional, Scientific, & Technical Services	65.5	67.0	66.5	1.0	-0.5
Management of Companies & Enterprises	22.7	23.2	23.1	0.4	-0.1
Administrative, Support, & Waste Management	79.0	78.9	82.3	3.3	3.4
Educational & Health Services	152.1	151.0	153.6	1.5	2.6
Educational Services	26.6	26.3	26.9	0.3	0.6
Health Care & Social Assistance	125.5	124.7	126.7	1.2	2.0
Leisure & Hospitality	120.4	125.9	126.1	5.7	0.2
Other Services	42.8	44.5	42.8	0.0	-1.7
Government	115.8	112.0	118.9	3.1	6.9
Federal Government	14.0	14.3	14.5	0.5	0.2
State Government	27.9	29.6	29.5	1.6	-0.1
Local Government	73.9	68.1	74.9	1.0	6.8



Nonfarm Employment (Smaller MSAs)

	Clarksville, TN-KY MSA		Cleveland, TN MSA		Jackson, TN MSA	
	July 2019 Revised	Aug. 2019 Prelim.	July 2019 Revised	Aug. 2019 Prelim.	July 2019 Revised	Aug. 2019 Prelim.
Total Nonfarm	93,000	94,300	45,700	46,100	70,500	70,600
Total Private	75,600	75,800	41,000	40,800	56,300	56,200
Goods-Producing	16,500	16,800	11,000	11,000	14,100	14,100
Mining, Logging, & Construction	3,400	3,400	1,800	1,900	2,900	2,800
Manufacturing	13,100	13,400	9,200	9,100	11,200	11,300
Service-Providing	76,500	77,500	34,700	35,100	56,400	56,500
Trade, Transportation, & Utilities	18,000	17,900	9,700	9,600	13,000	13,000
Wholesale Trade	N.A.	N.A.	800	800	3,200	3,200
Retail Trade	12,700	12,800	5,000	4,900	8,100	8,100
Transportation, Warehousing, & Utilities	2,500	2,600	3,900	3,900	1,700	1,700
Information	1,200	1,100	300	300	400	400
Financial Activities	3,100	3,100	1,300	1,300	2,100	2,100
Professional & Business Services	8,800	8,800	5,100	5,100	7,200	7,300
Educational & Health Services	12,400	12,500	5,400	5,400	10,600	10,500
Leisure & Hospitality	12,400	12,500	5,900	5,800	6,900	6,800
Other Services	3,200	3,100	2,300	2,300	2,000	2,000
Government	17,400	18,500	4,700	5,300	14,200	14,400
Federal Government	5,300	5,300	300	300	500	500
State Government	2,500	2,400	600	600	1,800	1,900
Local Government	9,600	10,800	3,800	4,400	11,900	12,000

	Johnson City, TN MSA		Kingsport-Bristol, TN-VA MSA		Morristown, TN MSA	
	July 2019 Revised	Aug. 2019 Prelim.	July 2019 Revised	Aug. 2019 Prelim.	July 2019 Revised	Aug. 2019 Prelim.
Total Nonfarm	79,300	80,400	121,900	123,300	46,000	46,100
Total Private	64,600	64,700	107,900	107,900	40,100	39,900
Goods-Producing	10,000	10,100	27,500	27,400	14,100	14,000
Mining, Logging, & Construction	2,300	2,300	6,100	6,100	2,000	2,000
Manufacturing	7,700	7,800	21,400	21,300	12,100	12,000
Service-Providing	69,300	70,300	94,400	95,900	31,900	32,100
Trade, Transportation, & Utilities	13,400	13,500	23,300	23,200	9,600	9,600
Wholesale Trade	2,400	2,400	3,300	3,300	1,100	1,100
Retail Trade	10,100	10,200	15,300	15,100	5,900	5,900
Transportation, Warehousing, & Utilities	900	900	4,700	4,800	2,600	2,600
Information	1,200	1,200	1,200	1,200	300	300
Financial Activities	4,300	4,300	3,700	3,700	900	900
Professional & Business Services	8,400	8,300	13,300	13,300	4,000	4,100
Educational & Health Services	14,400	14,500	18,500	18,700	5,500	5,500
Leisure & Hospitality	10,200	10,200	14,700	14,600	4,400	4,200
Other Services	2,700	2,600	5,700	5,800	1,300	1,300
Government	14,700	15,700	14,000	15,400	5,900	6,200
Federal Government	3,000	3,000	900	900	300	300
State Government	5,200	5,200	2,200	2,300	1,300	1,200
Local Government	6,500	7,500	10,900	12,200	4,300	4,700

Clarksville MSA is Montgomery County, Christian County, KY, & Trigg County, KY. **Cleveland MSA** is Bradley & Polk counties. **Jackson MSA** is Chester, Crockett, & Madison counties. **Johnson City MSA** is Carter, Unicoi, & Washington counties. **Kingsport-Bristol MSA** is Hawkins County, Sullivan County, Scott County, VA, Washington County, VA, & Bristol City, VA. **Morristown MSA** is Hamblen & Jefferson counties.

U.S. Consumer Price Index — August 2019

Group	All Urban Consumers			Wage & Clerical Earners		
	Index	Percent Change		Index	Percent Change	
		Yearly	Monthly		Yearly	Monthly
U.S. City Average						
All Items (1982-84=100)	256.558	1.7	0.0	250.112	1.5	0.0
Food and beverages	258.154	1.7	0.1	257.021	1.7	0.0
Housing	267.263	2.8	0.1	263.156	2.8	0.1
Apparel	123.641	1.0	1.2	123.166	0.8	1.5
Transportation	211.084	-1.1	-1.1	210.822	-1.4	-1.2
Medical care	500.916	3.5	0.6	506.108	3.7	0.7
South						
All Items (1982-84=100)	246.953	1.4	-0.1	242.437	1.1	-0.2
Food and beverages	255.037	1.6	0.0	253.801	1.6	0.0
Housing	245.324	2.8	0.0	245.538	2.7	0.0
Apparel	133.148	2.0	0.9	131.292	1.3	1.1
Transportation	209.909	-2.2	-1.3	207.727	-2.6	-1.5
Medical care	475.283	2.8	0.5	484.709	3.1	0.5

Hours And Earnings Of Production Workers

	Average Weekly Earnings			Average Hourly Earnings			Average Weekly Hours		
	August	July	August	August	July	August	August	July	August
	2018	2019	2019	2018	2019	2019	2018	2019	2019
Manufacturing	\$855.21	\$811.64	\$844.90	\$20.17	\$20.14	\$20.31	42.4	40.3	41.6
Durable Goods Manufacturing Non-Durable Goods Manufacturing	\$887.03	\$836.73	\$867.77	\$20.97	\$20.66	\$20.91	42.3	40.5	41.5
	\$803.61	\$769.20	\$805.49	\$18.82	\$19.23	\$19.27	42.7	40.0	41.8

All Employee Hours And Earnings

	Average Weekly Earnings			Average Hourly Earnings			Average Weekly Hours		
	August	July	August	August	July	August	August	July	August
	2018	2019	2019	2018	2019	2019	2018	2019	2019
Total Private	\$827.79	\$844.86	\$852.19	\$23.45	\$24.07	\$24.21	35.3	35.1	35.2
Goods-Producing	\$1,024.61	\$1,038.60	\$1,050.40	\$24.63	\$25.27	\$25.25	41.6	41.1	41.6
Mining, Logging & Construction	\$1,032.51	\$1,093.10	\$1,090.13	\$24.82	\$25.72	\$25.65	41.6	42.5	42.5
Manufacturing	\$1,021.70	\$1,019.06	\$1,036.63	\$24.56	\$25.10	\$25.10	41.6	40.6	41.3
Private Service-Providing Trade, Transportation, & Utilities	\$783.77	\$800.04	\$808.50	\$23.12	\$23.74	\$23.92	33.9	33.7	33.8
Information	\$718.54	\$744.78	\$764.18	\$21.01	\$21.97	\$22.15	34.2	33.9	34.5
Financial Activities	\$1,157.48	\$1,092.97	\$1,098.00	\$30.46	\$29.46	\$30.00	38.0	37.1	36.6
Professional & Business Services	\$1,194.23	\$1,273.00	\$1,293.14	\$31.51	\$33.50	\$34.03	37.9	38.0	38.0
Education & Health Services	\$1,032.00	\$1,022.73	\$1,033.11	\$27.52	\$28.02	\$28.15	37.5	36.5	36.7
Leisure & Hospitality	\$796.70	\$816.91	\$802.37	\$23.16	\$23.61	\$23.53	34.4	34.6	34.1
Other Services	\$391.28	\$406.36	\$403.43	\$14.60	\$14.67	\$14.67	26.8	27.7	27.5
	\$673.60	\$693.84	\$719.46	\$20.79	\$22.31	\$22.84	32.4	31.1	31.5

TENNESSEE & UNITED STATES UNEMPLOYMENT RATES (Seasonally Adjusted/ TN Solid Line)

