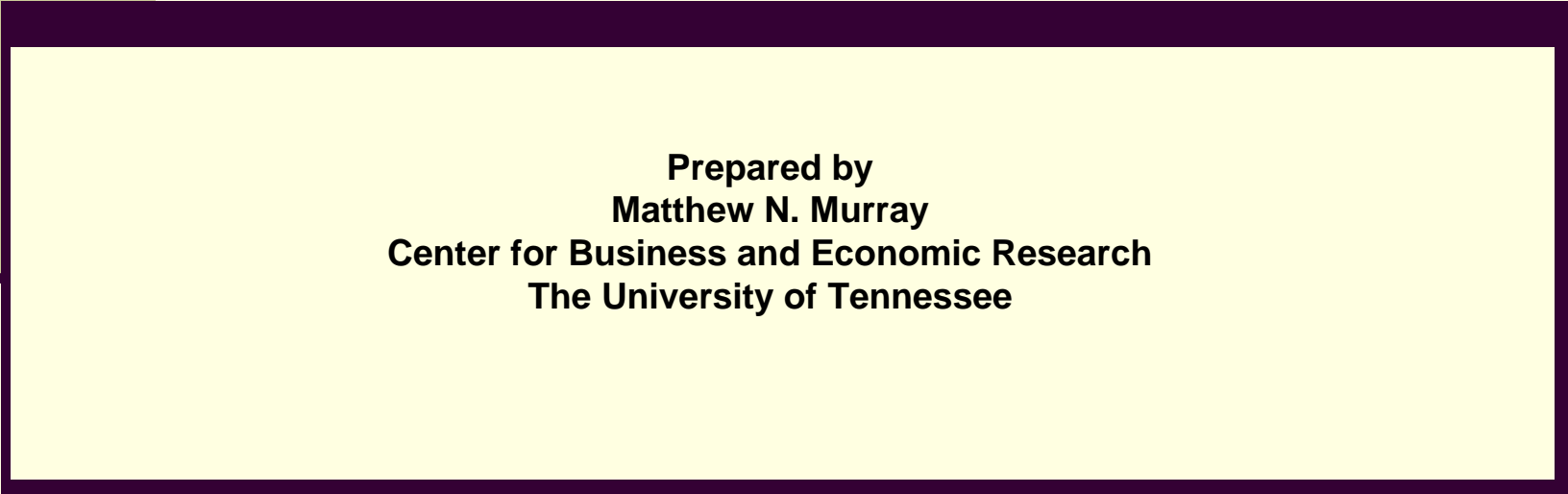




The State of
Manufacturing
in Tennessee

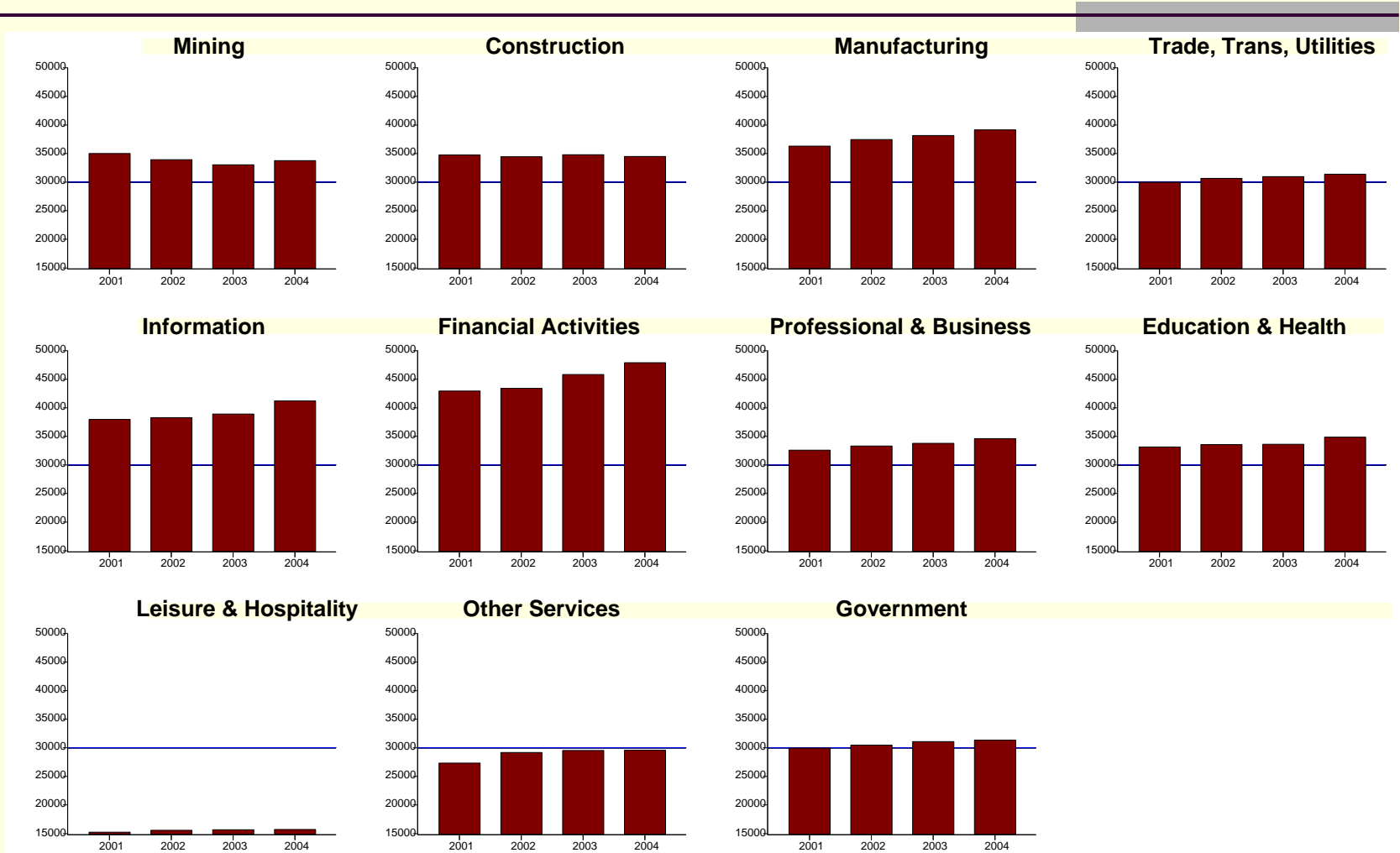


Prepared by
Matthew N. Murray
Center for Business and Economic Research
The University of Tennessee

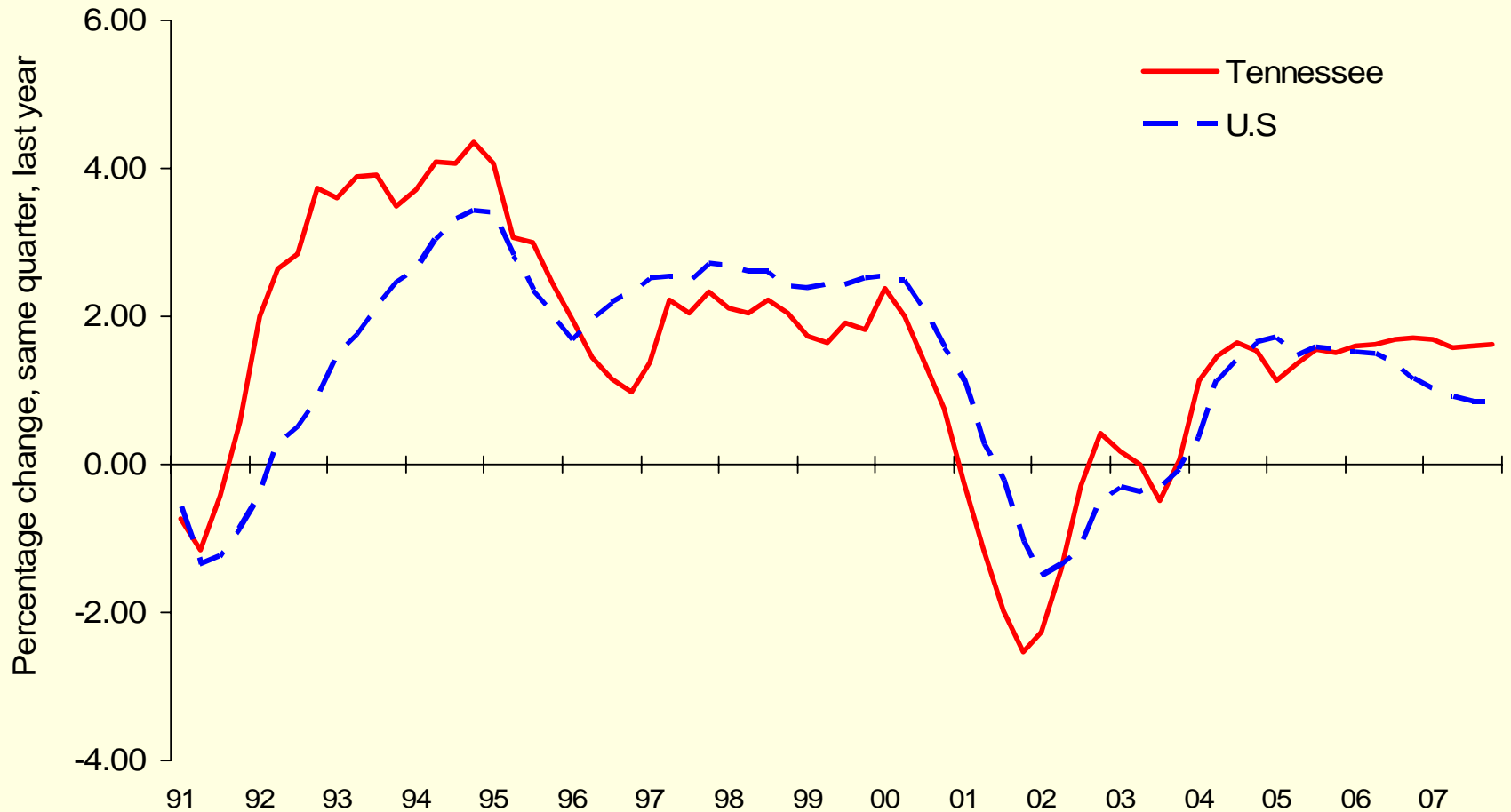
Strengths of Tennessee's Manufacturing Sector

- **A key foundation of the state's economic base and exports; competitiveness**
- **Supports state and local tax bases**
- **One of six dollars of state GSP from mfg**
- **Higher likelihood of workers receiving health insurance than in other sectors**
- **Workers receive an above-average wage**
- **Civic involvement of firms and workers**
- **New jobs are still being created!**

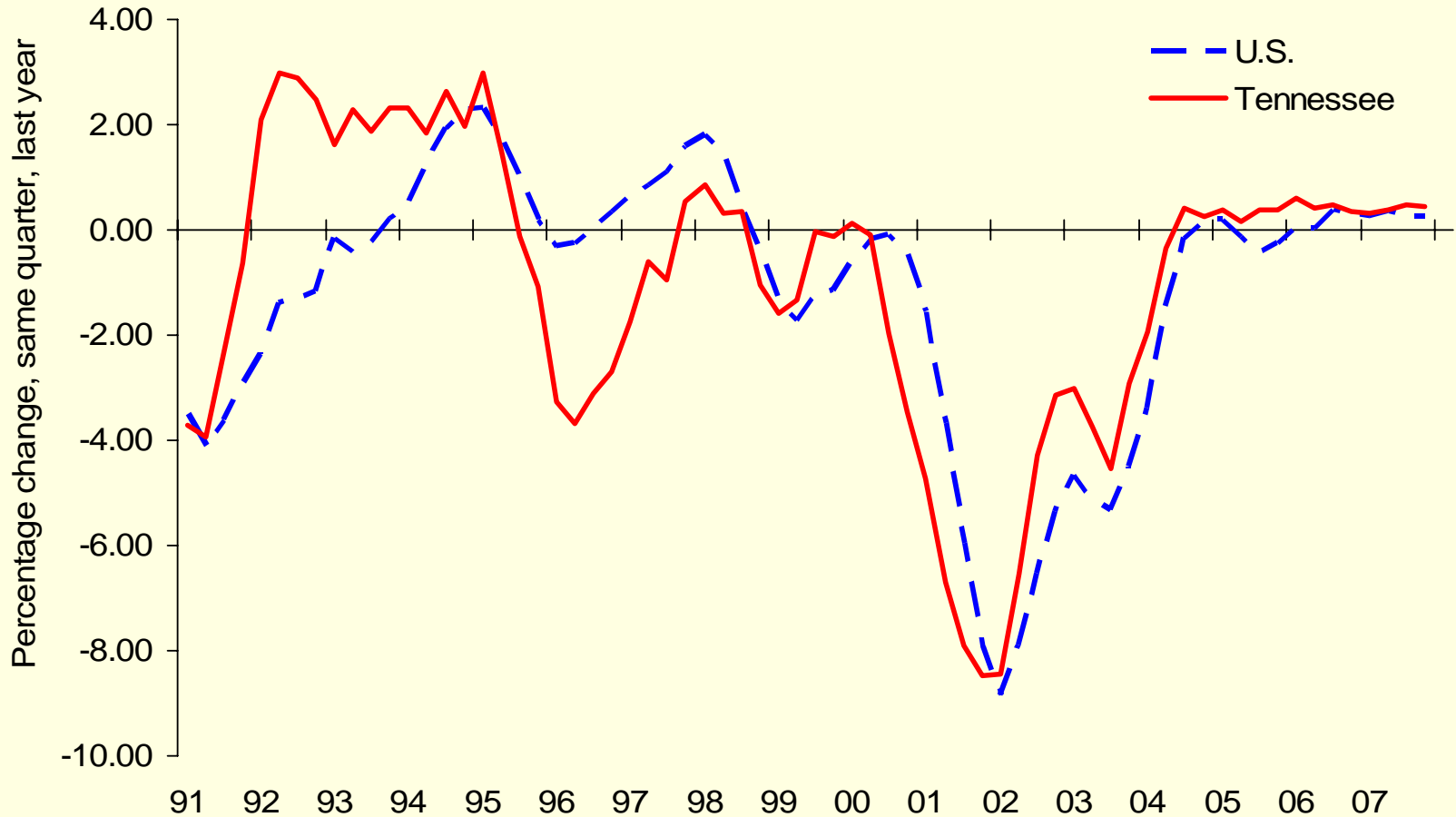
Average Annual Wage by Industry (2000 \$)



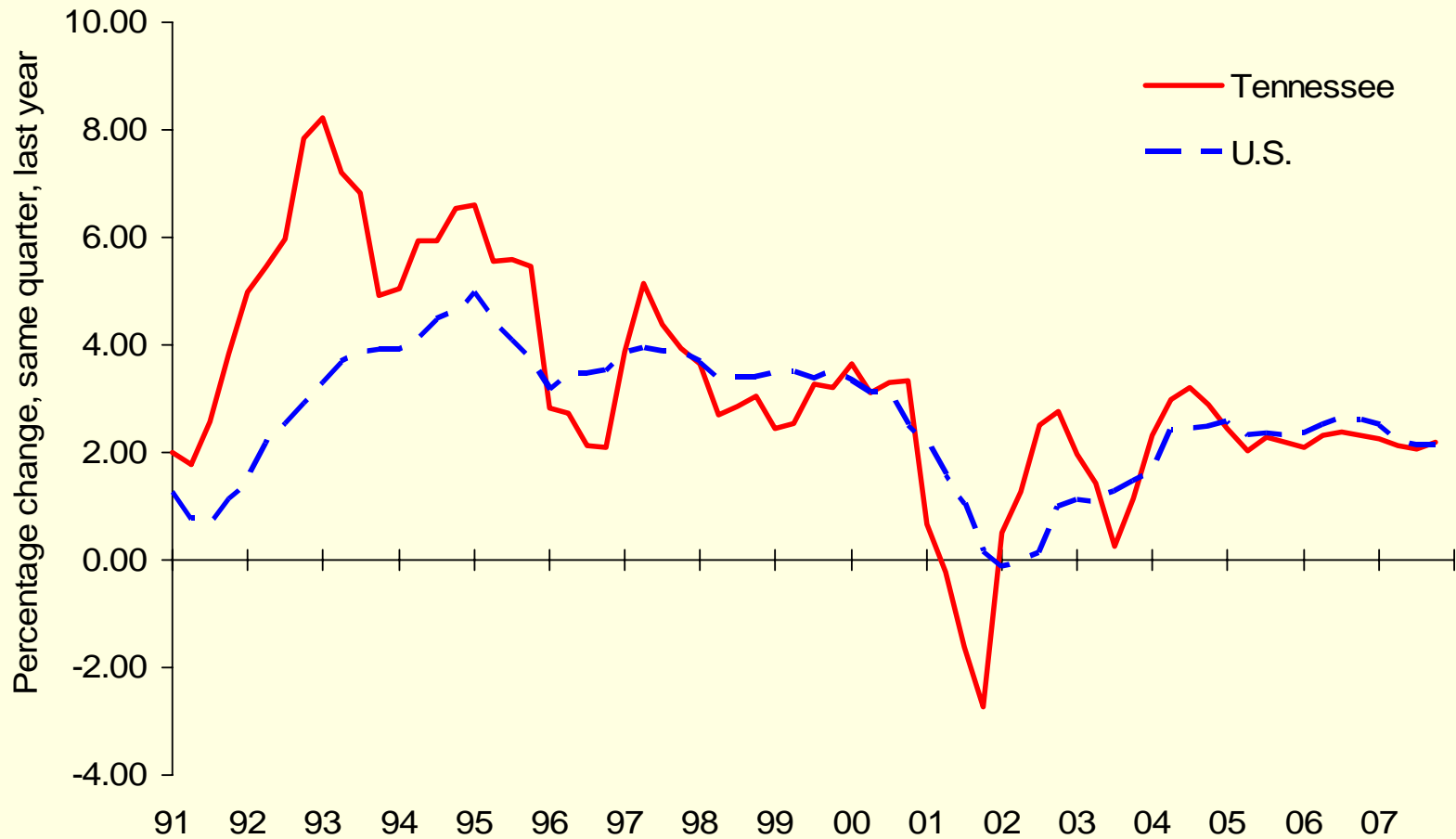
Nonfarm Job Growth, Tennessee and U.S.



Mfg Job Growth, Tennessee and U.S.

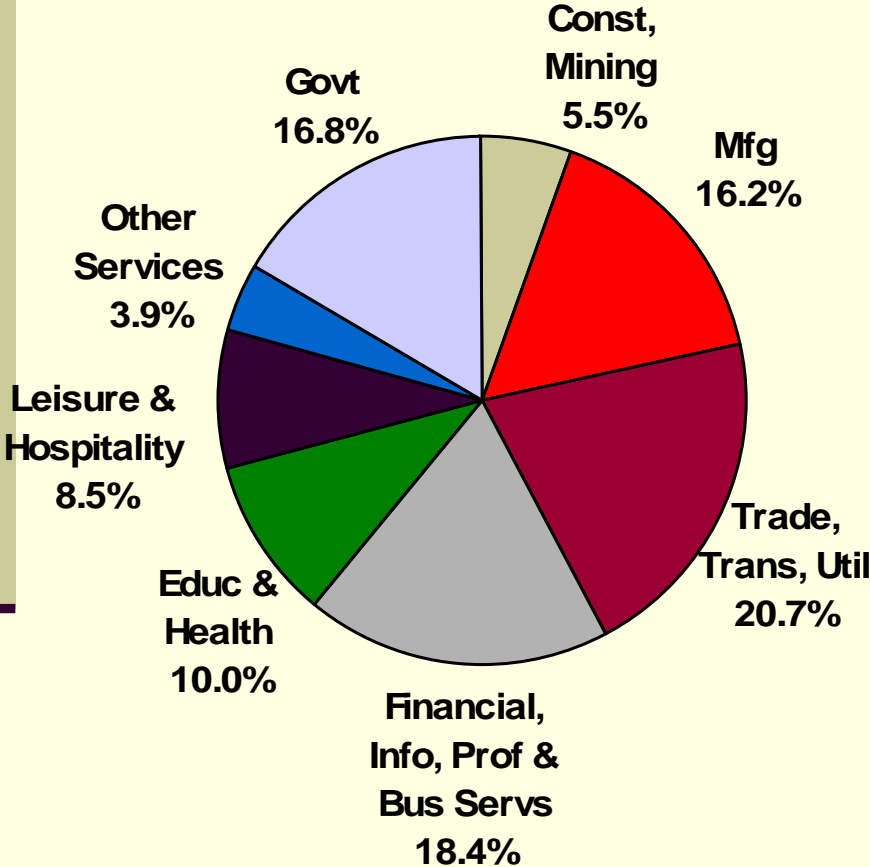


Services Job Growth, Tennessee and U.S.

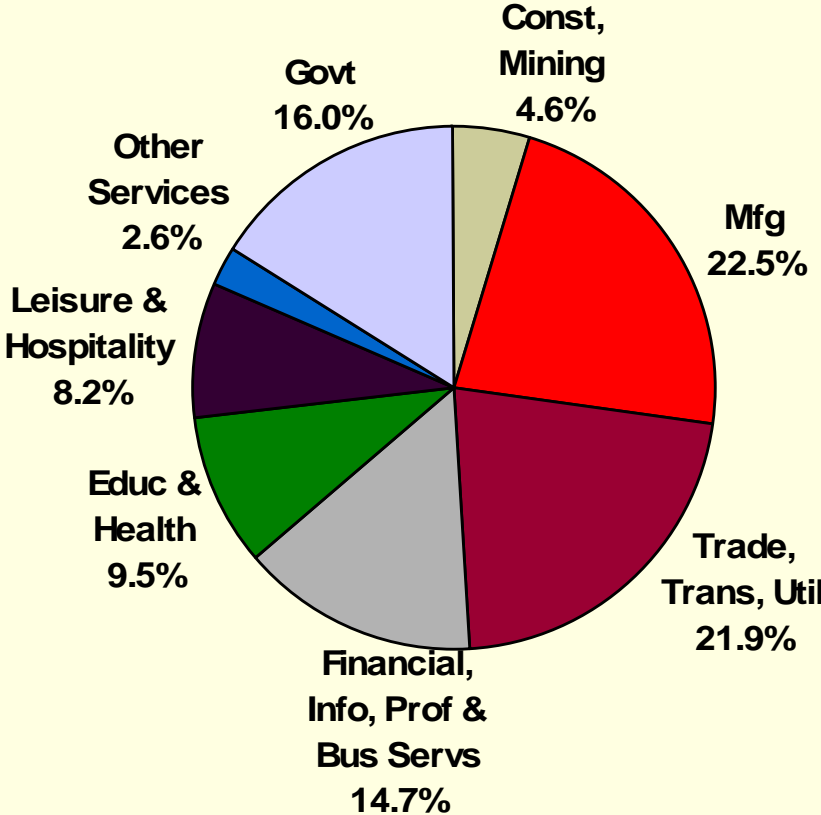


Distribution of Nonfarm Jobs: 1990

United States

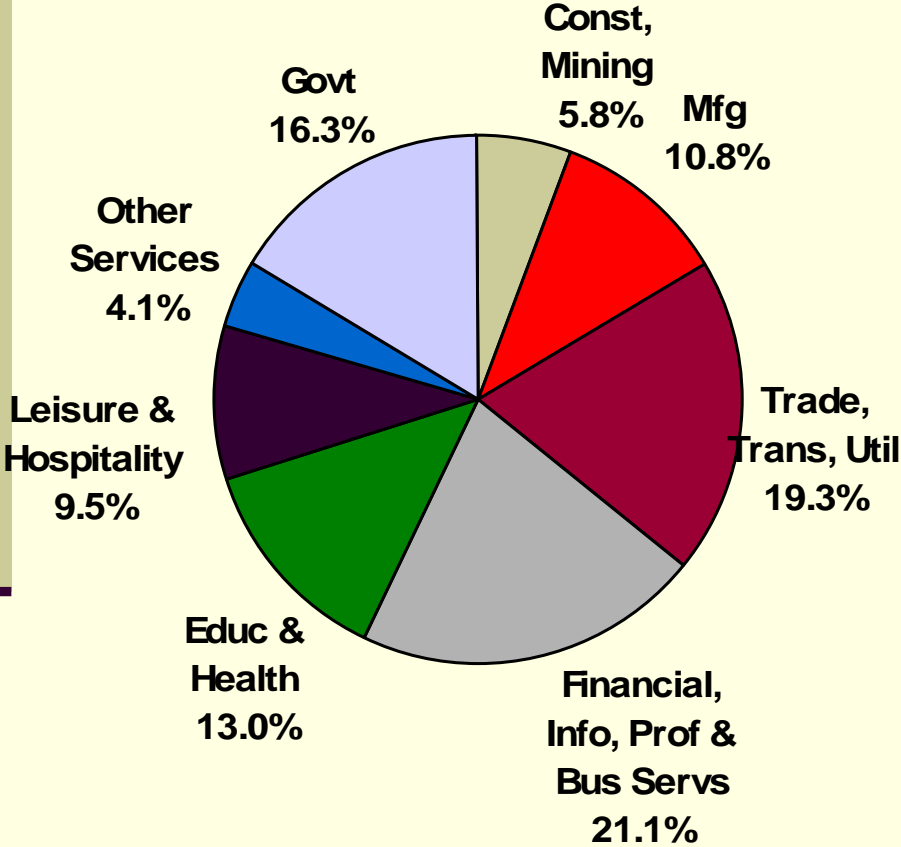


Tennessee

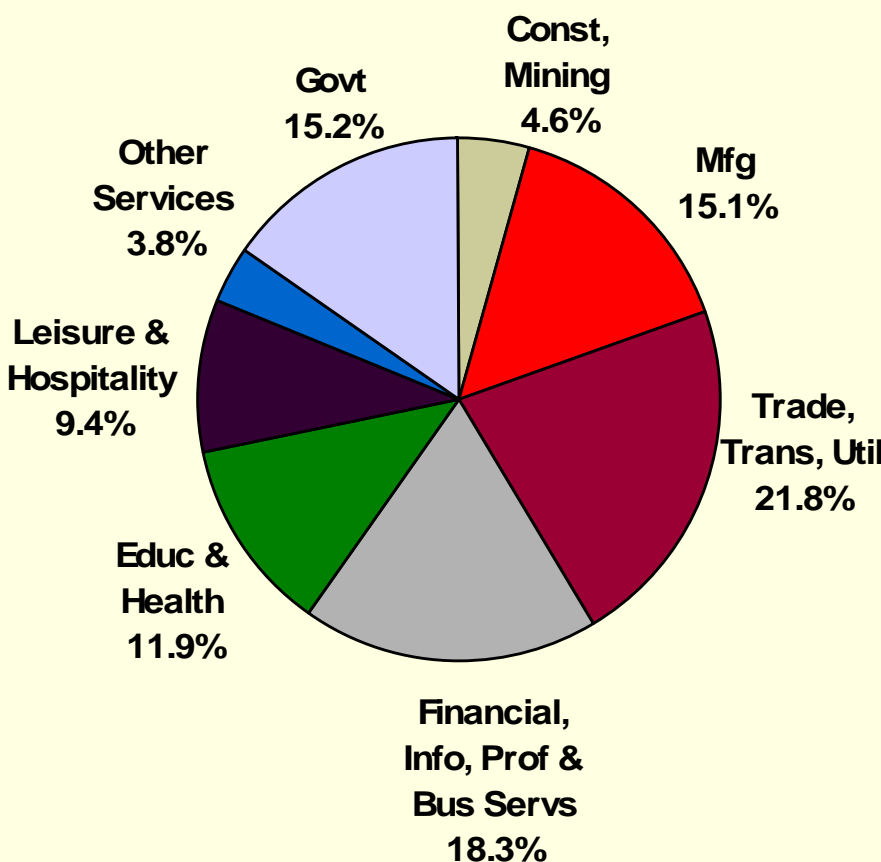


Distribution of Nonfarm Jobs: 2005

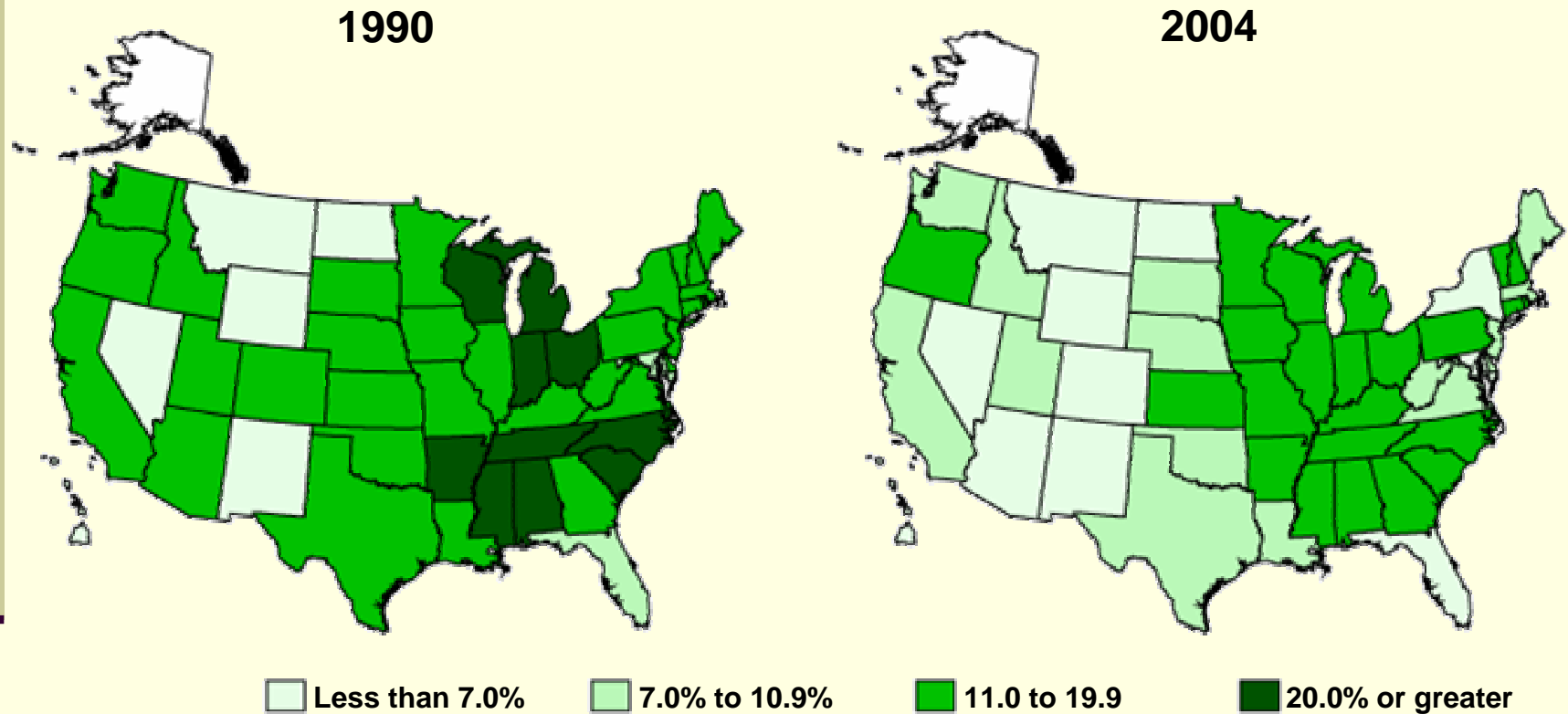
United States



Tennessee



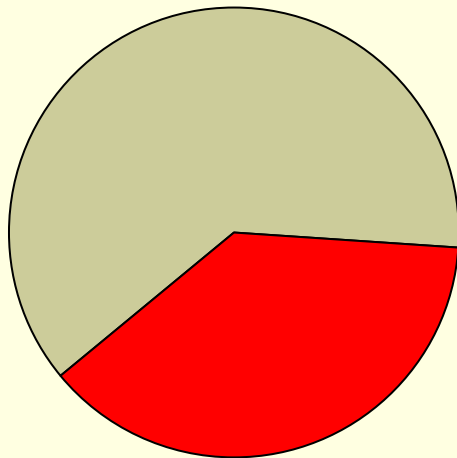
Mfg Employment as a Percentage of Total Nonfarm Employment



Source: Bureau of Labor Statistics.

Tennessee Manufacturing Jobs: 2005

Durables
62.1%



Nondurables
37.9%

Durables

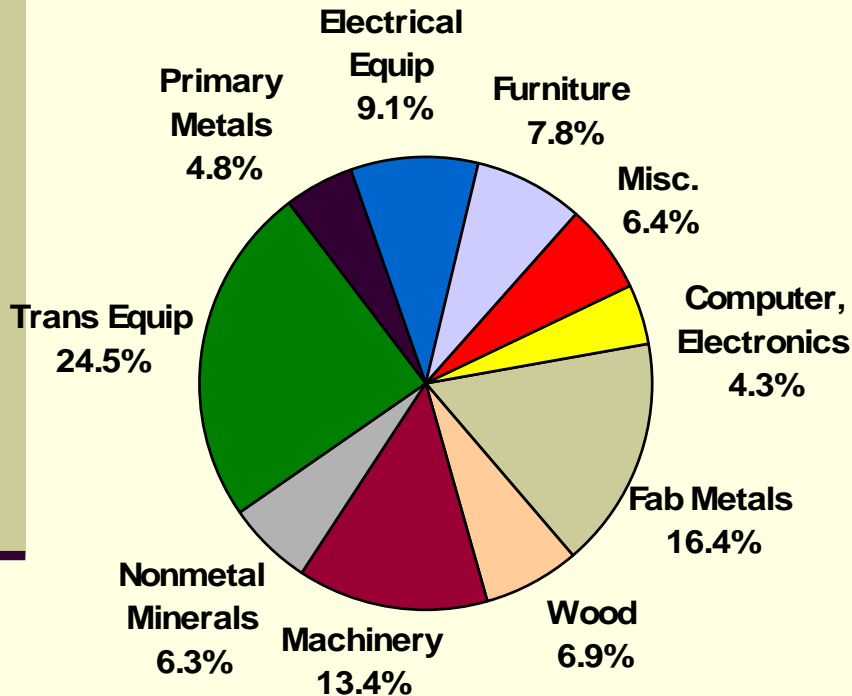
- ❖ Wood
- ❖ Nonmetallic Minerals
- ❖ Primary Metals
- ❖ Fabricated Metals
- ❖ Machinery
- ❖ Computer & Electronics
- ❖ Electrical Equipment
- ❖ Transportation Equipment
- ❖ Furniture
- ❖ Miscellaneous durables

Nondurables

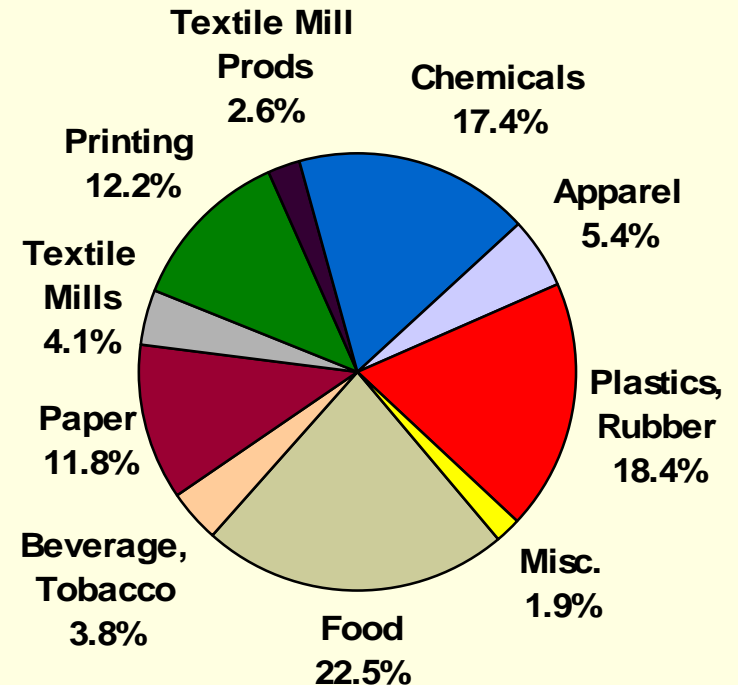
- ❖ Food
- ❖ Beverage & Tobacco
- ❖ Textile Mills
- ❖ Textile Mill Products
- ❖ Apparel
- ❖ Paper
- ❖ Printing
- ❖ Chemicals
- ❖ Plastics & Rubber
- ❖ Miscellaneous nondurables

Tennessee Manufacturing Jobs: 2005

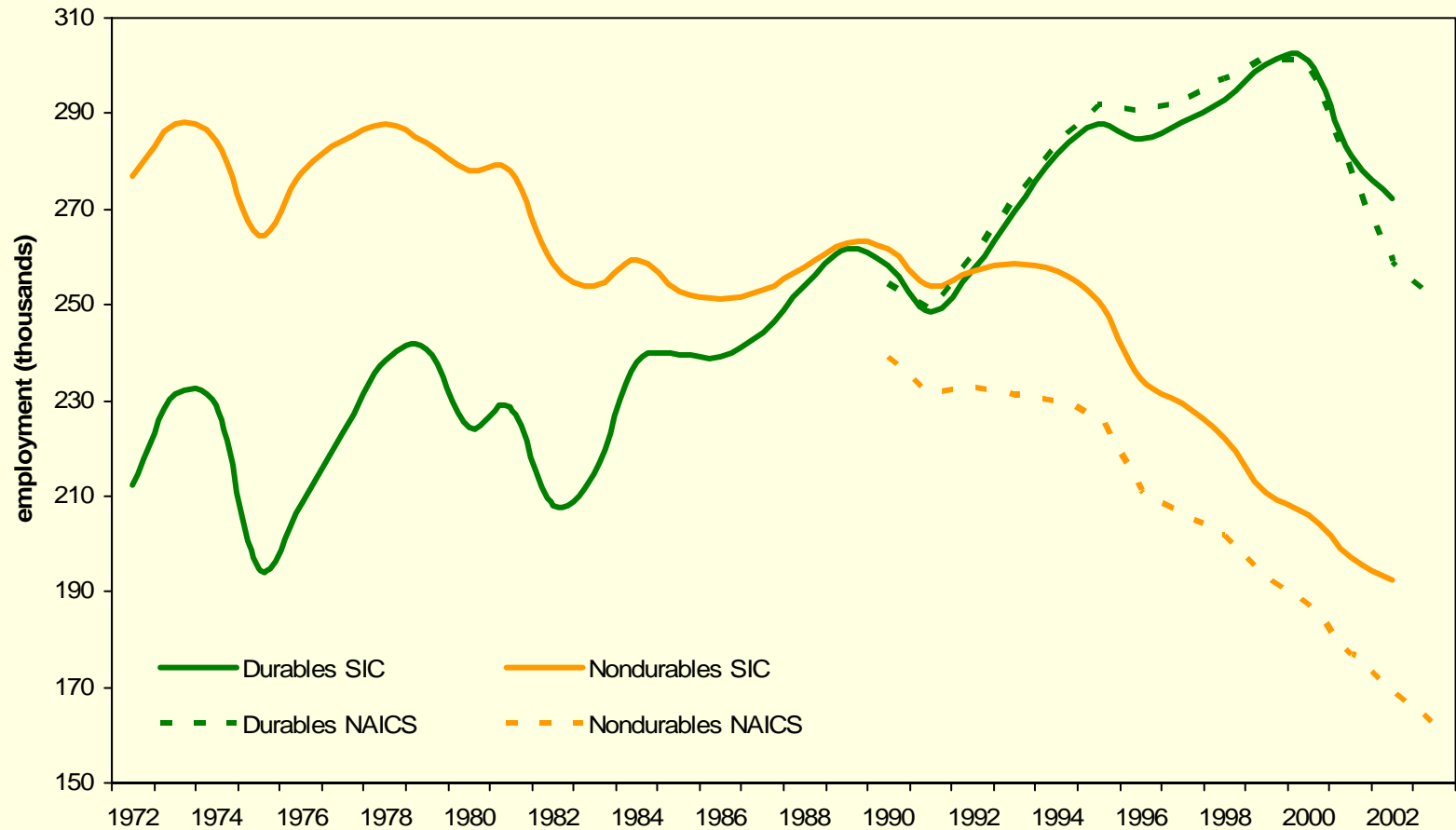
Durables



Nondurables

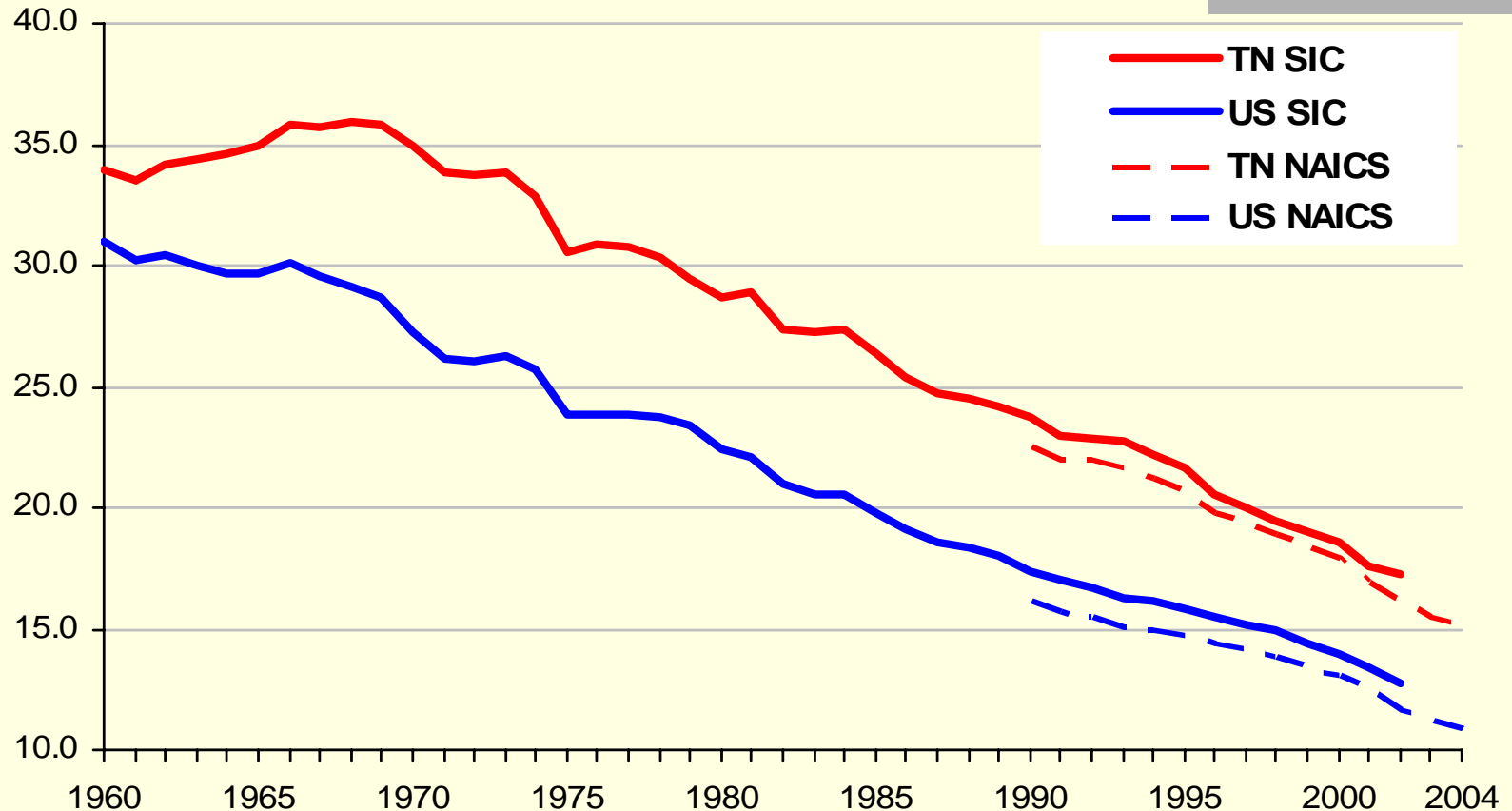


TN Durables & Nondurables Employment



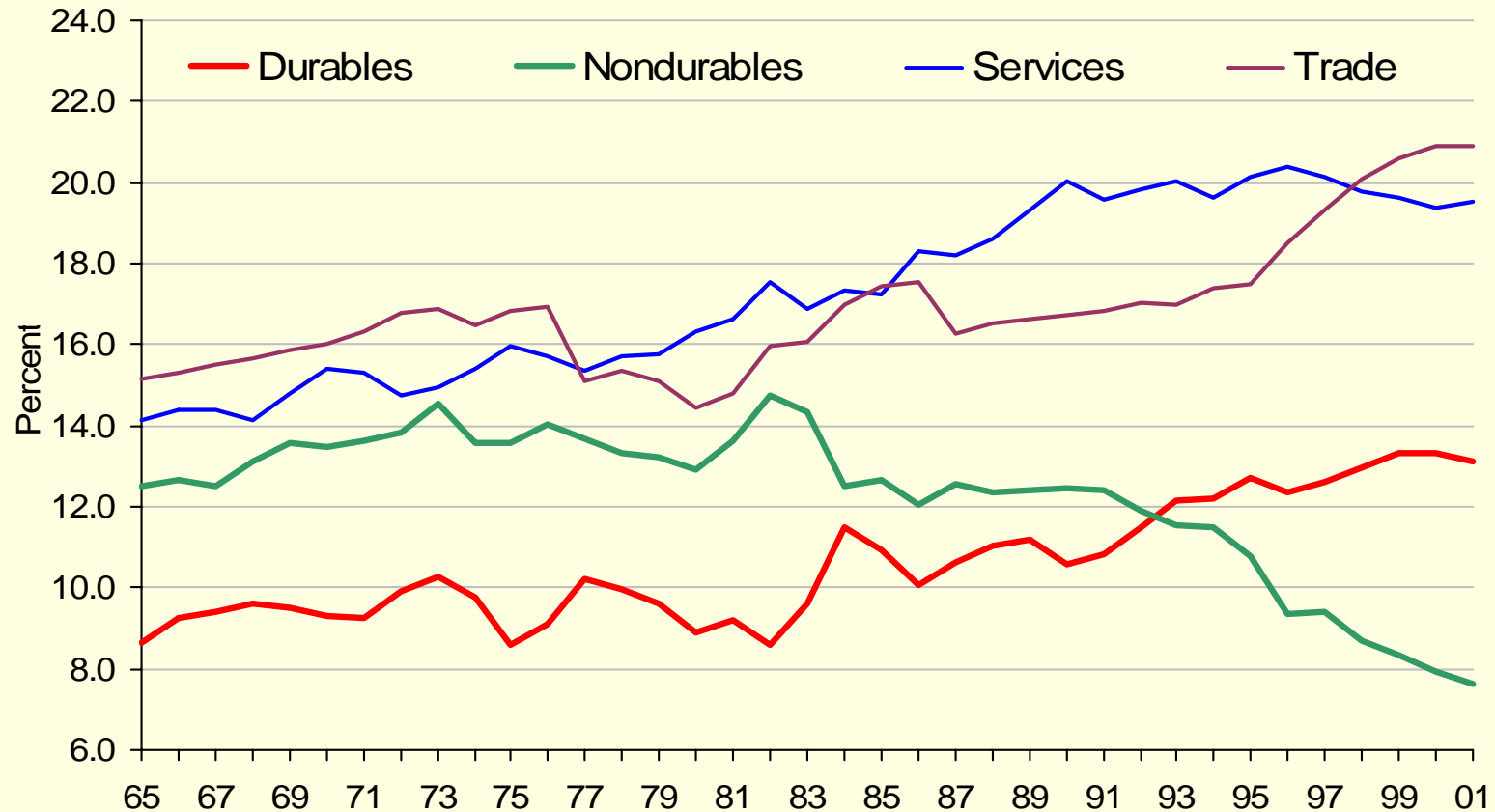
Source: Bureau of Labor Statistics and CBER.

Mfg Employment as a Percentage of Total Nonfarm Employment: 1960 to 2004



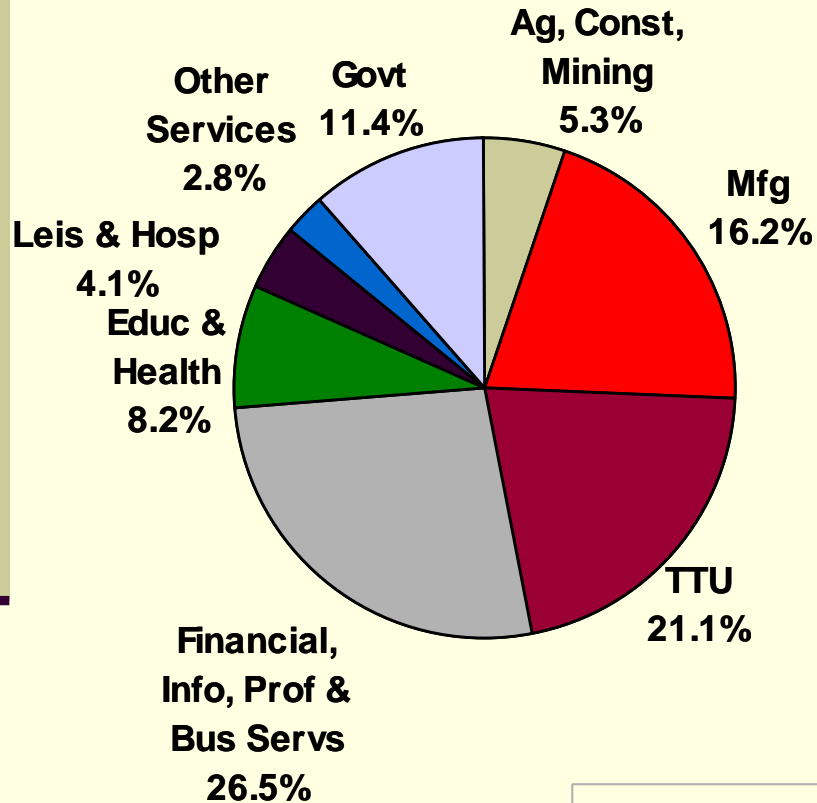
Source: Bureau of Labor Statistics.

TN Output Shares in Durables, Nondurables, Trade and Services

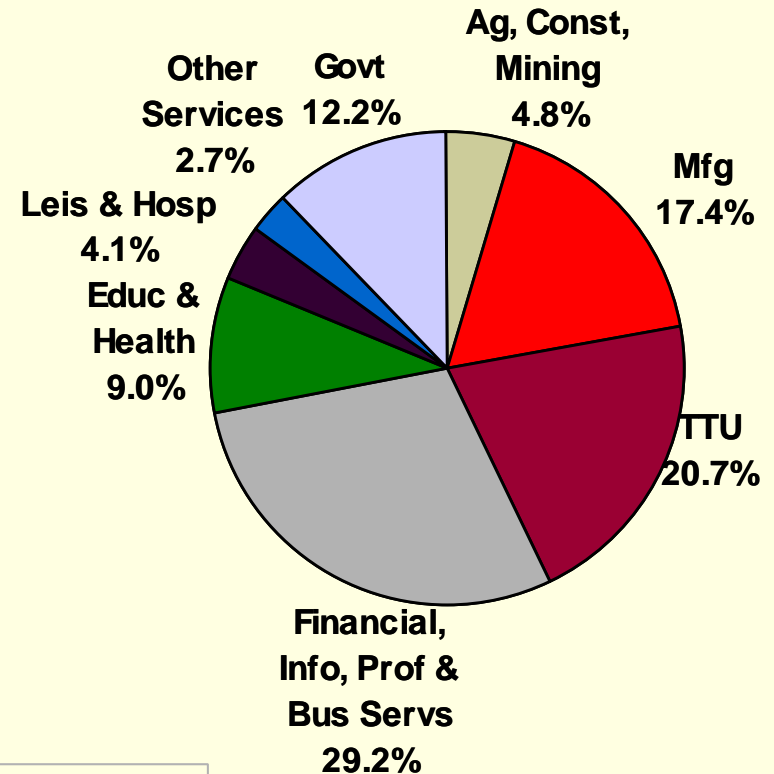


Tennessee Gross State Product by Industry: 1997 and 2003.

1997

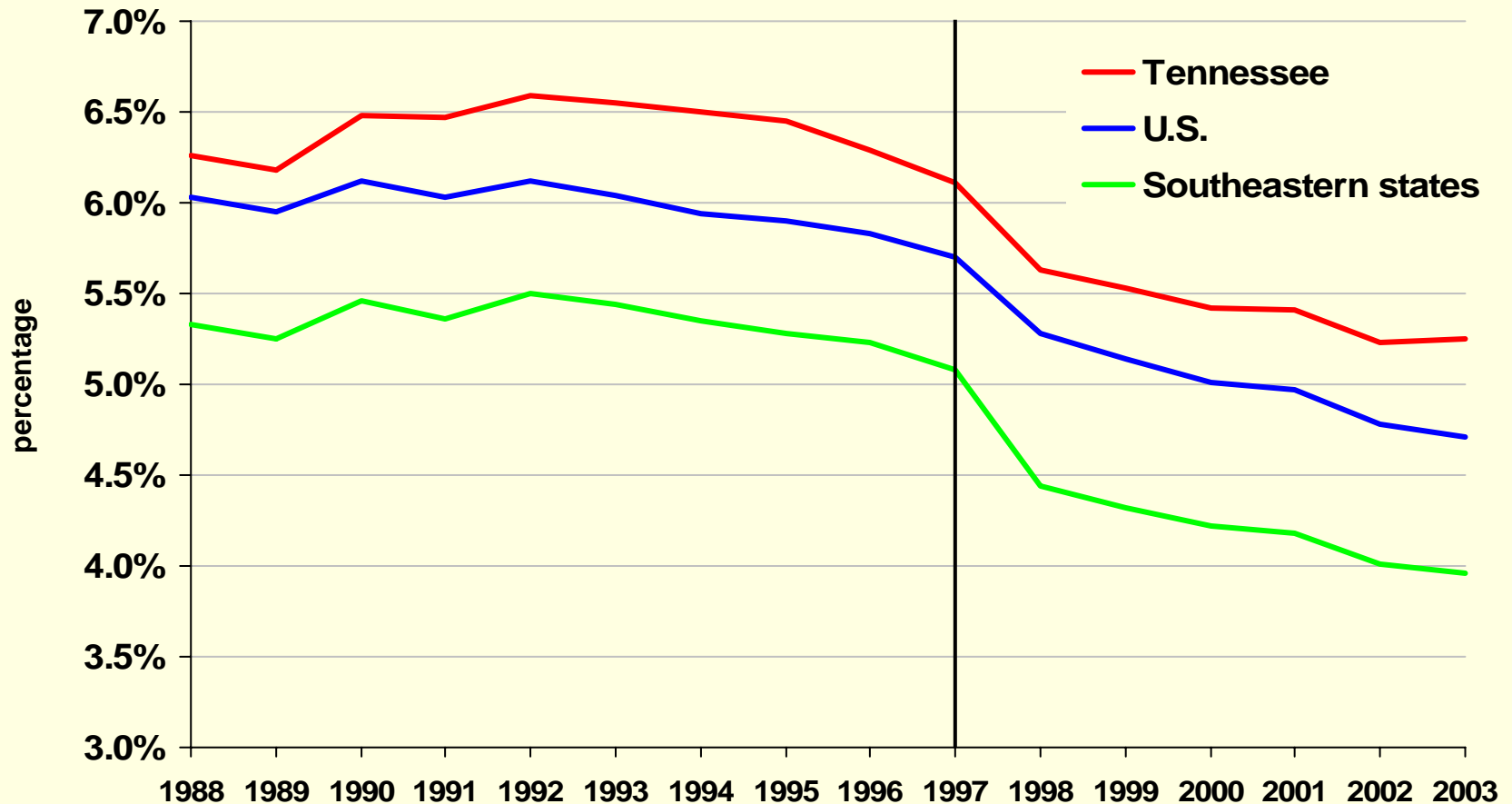


2003



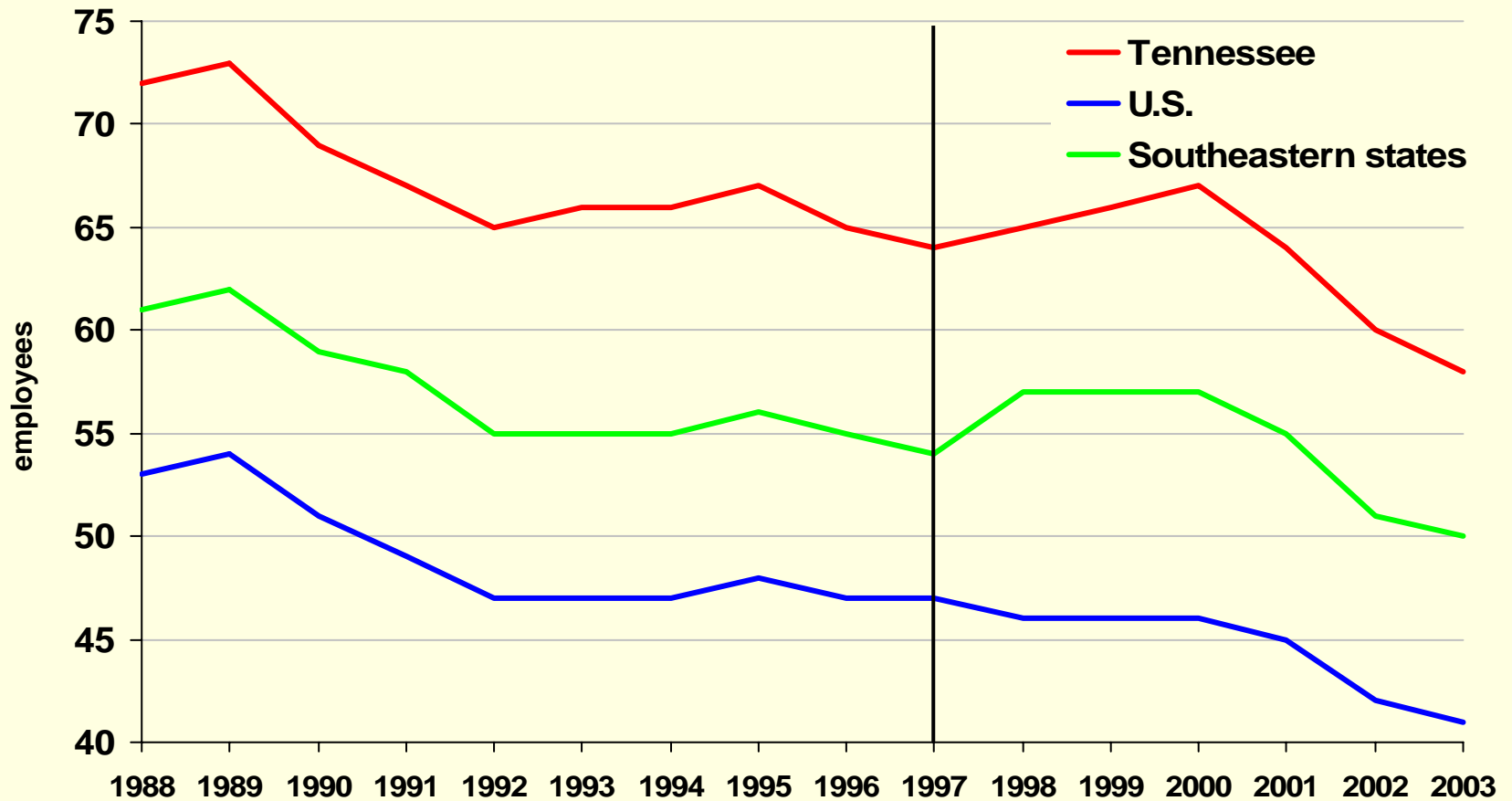
Source: Bureau of Economic Analysis

Mfg Establishments as a Share of Total Establishments



Source: County Business Patterns.

Mfg Employment per Establishment: 1988–2003



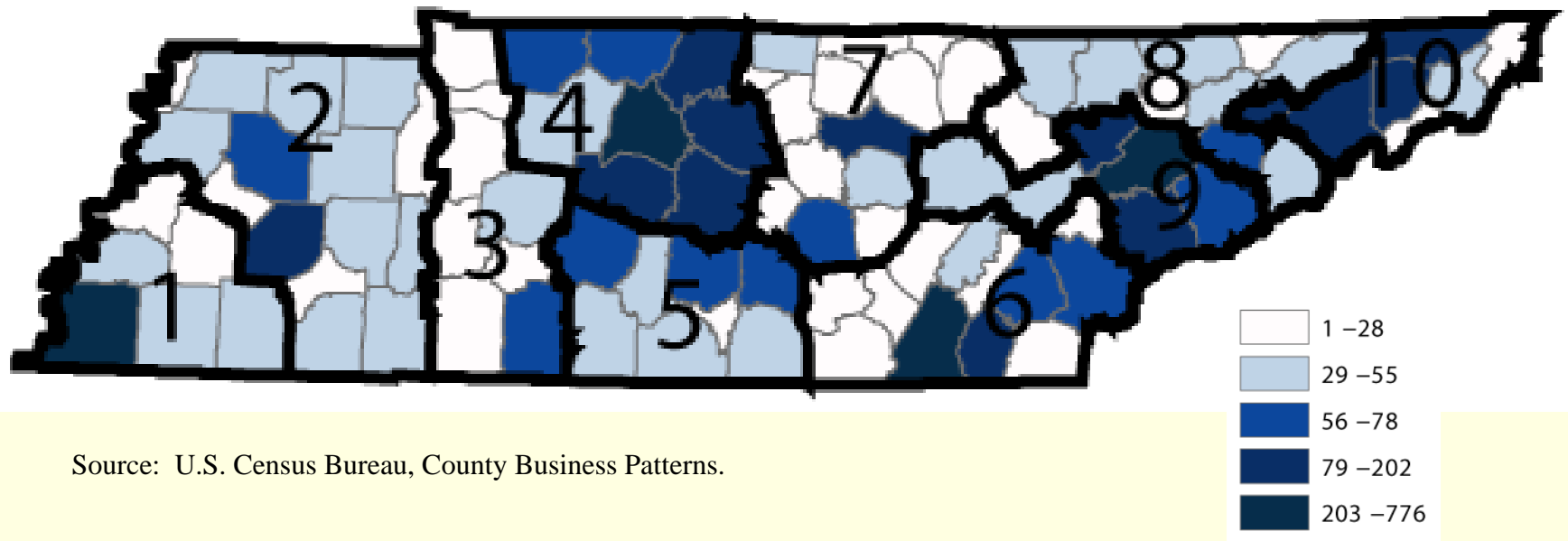
Manufacturing in the Southeast: 2003

State	Manufacturing employees	Establishments	Share of manufacturing establishments	Jobs per manufacturing establishment
Alabama	279,074	4,980	5.0 percent	56
Arkansas	208,843	3,127	4.9 percent	67
Florida	369,754	14,750	3.2 percent	25
Georgia	449,486	8,652	4.1 percent	52
Kentucky	260,951	4,202	4.6 percent	62
Louisiana	149,603	3,459	3.4 percent	43
Mississippi	172,618	2,706	4.5 percent	64
North Carolina	591,566	10,527	5.1 percent	56
South Carolina	283,244	4,321	4.4 percent	66
Tennessee	393,832	6,824	5.3 percent	58
Virginia	308,571	5,841	3.2 percent	53
West Virginia	69,610	1,442	3.6 percent	48
United States	14,132,020	341,849	4.7 percent	41

Mfg Establishments in Tennessee

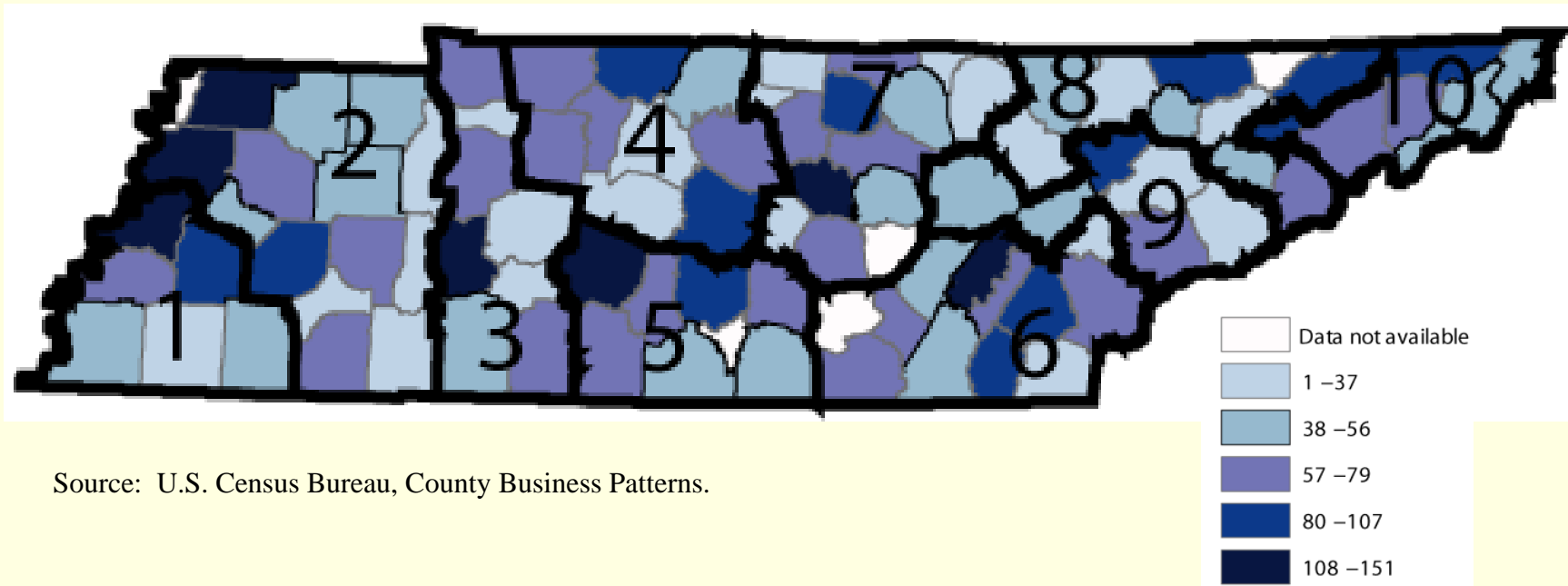
Sector	1998	2003	Change	Percent change
Manufacturing	7,376	6,824	-552	-7.5%
Food	359	364	5	1.4%
Beverage & Tobacco Products	54	68	14	25.9%
Textile Mills	98	81	-17	-17.3%
Textile Product Mills	154	138	-16	-10.4%
Apparel	330	197	-133	-40.3%
Leather & Allied Products	40	37	-3	-7.5%
Wood Products	636	590	-46	-7.2%
Paper	163	154	-9	-5.5%
Printing & Related Support Activities	844	762	-82	-9.7%
Petroleum & Coal Products	53	56	3	5.7%
Chemical	285	282	-3	-1.1%
Plastics & Rubber Products	392	345	-47	-12.0%
Nonmetallic Mineral Products	378	376	-2	-0.5%
Primary Metals	143	135	-8	-5.6%
Fabricated Metal Products	1171	1158	-13	-1.1%
Machinery	558	504	-54	-9.7%
Computer & Electronic Products	190	143	-47	-24.7%
Electrical Equipment, Appliance, & Compor	147	140	-7	-4.8%
Transportation Equipment	316	310	-6	-1.9%
Furniture & Related Products	552	450	-102	-18.5%
Miscellaneous	513	534	21	4.1%

Manufacturing Establishments per County, 2003



Source: U.S. Census Bureau, County Business Patterns.

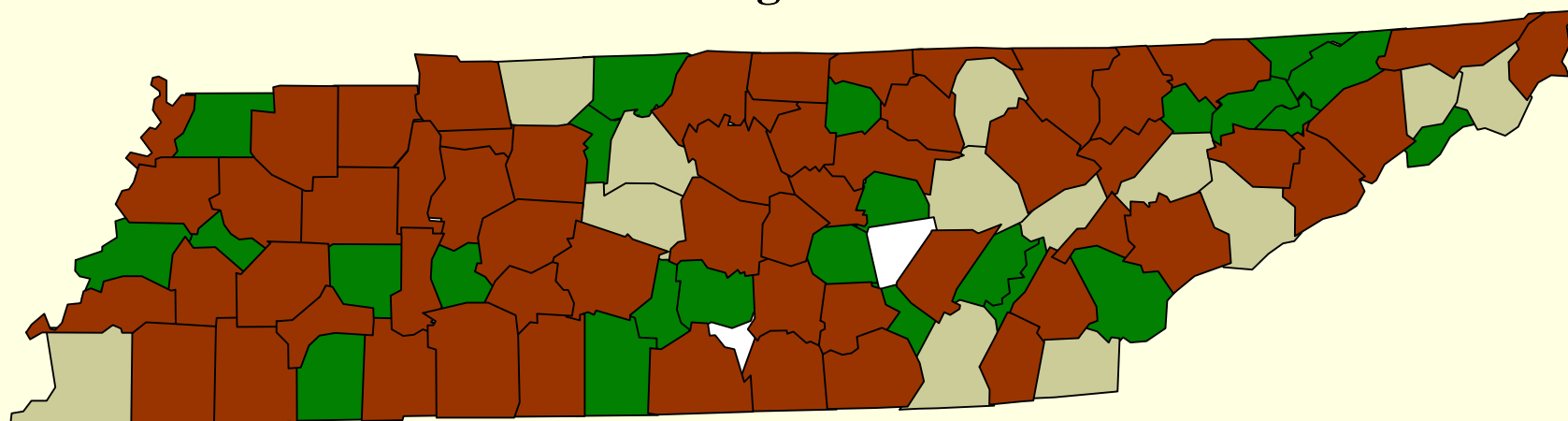
Average Employment per Manufacturing Establishment, 2003







Source: U.S. Census Bureau, County Business Patterns.

Manufacturing Employment as a Percentage of Total Private Employment, 2003

State average = 18.6%

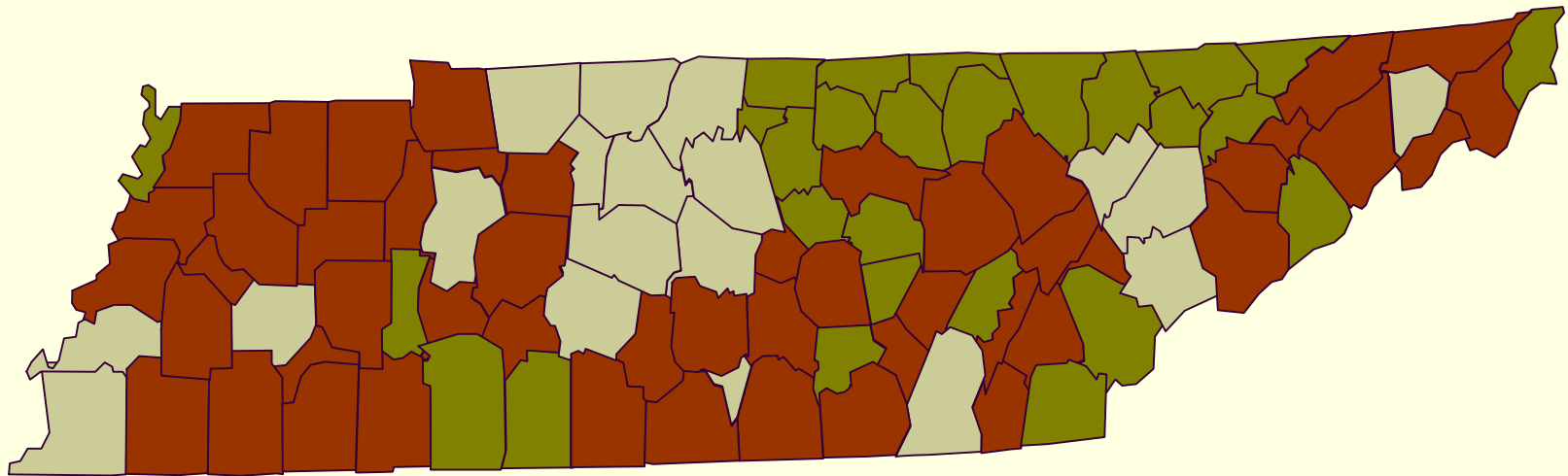



-  Not disclosed
-  Less than or equal to 18.6%
-  18.6% to 40.0%
-  Greater than 40.0%


Educational Attainment of Persons 25 Years and Older: Percent with Less than a 9th Grade Education, 2000

TN Average = 9.6%

U.S. Average = 7.5%

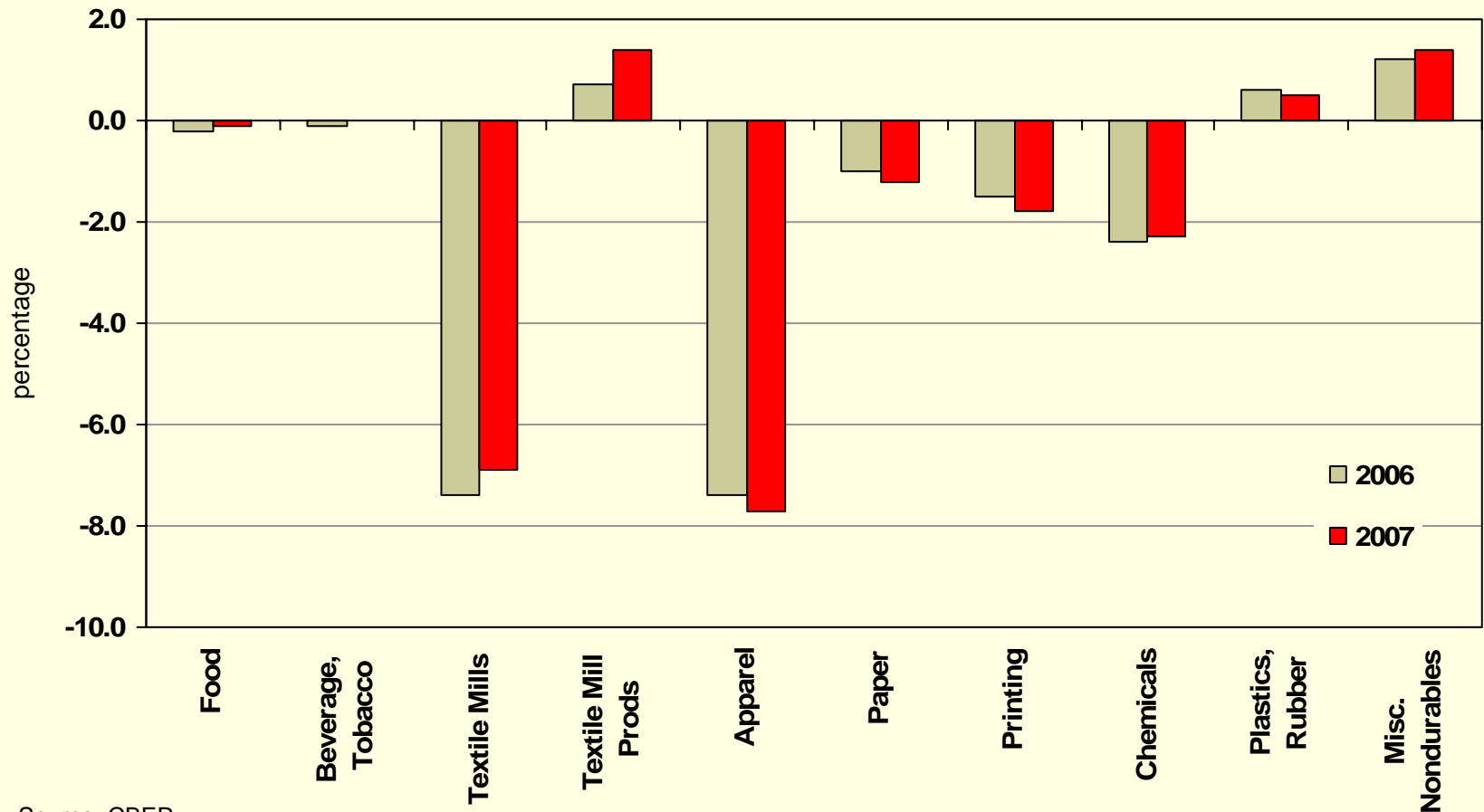


 Less than 9.6%

 9.6% to 16%

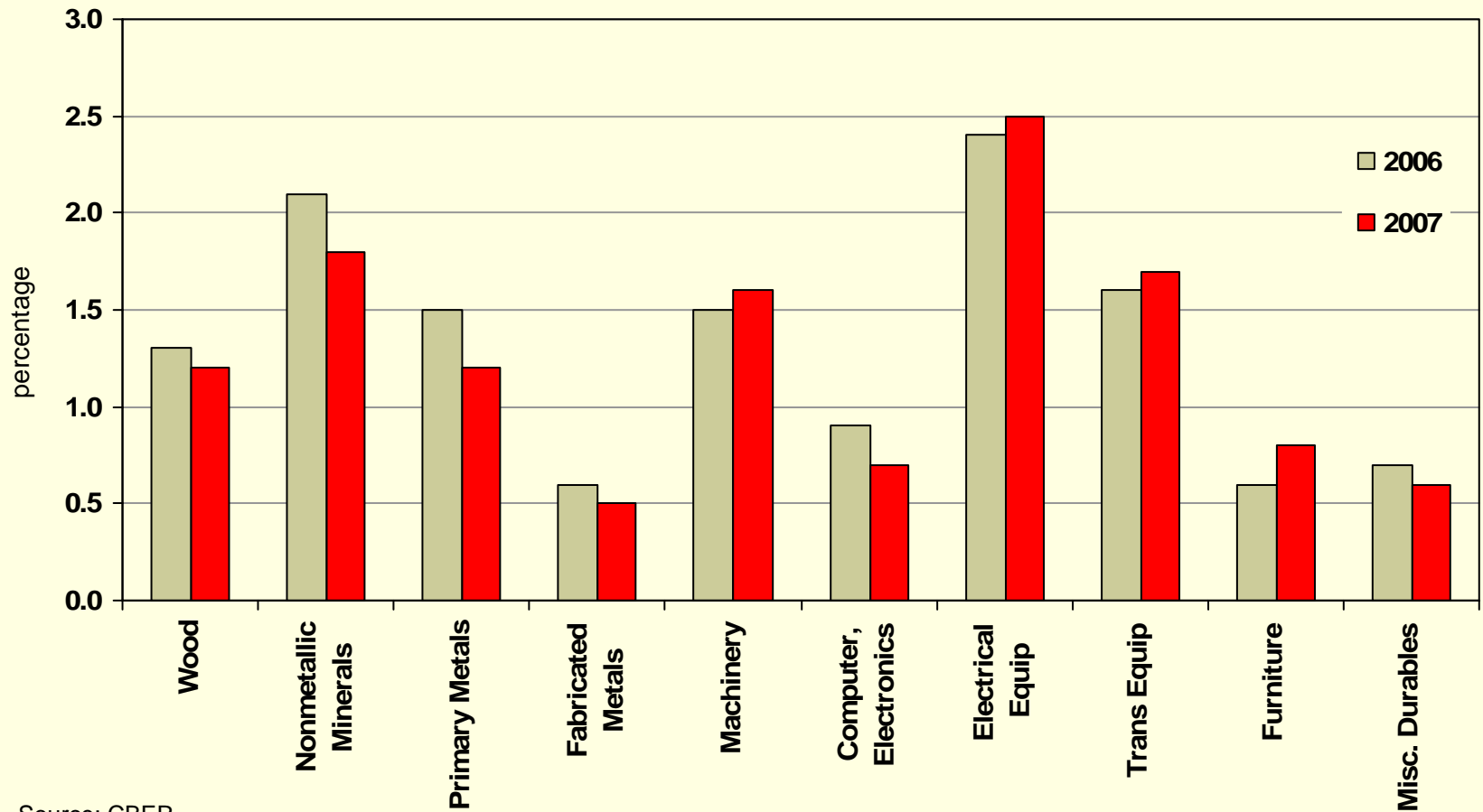
 Greater than 16%

Projected Growth in TN Mfg Jobs: Nondurables



Source: CBER.

Projected Growth in TN Mfg Jobs: Durables



Source: CBER.

Center for Business and Economic Research

- Web address: <http://cber.bus.utk.edu>