



Population, Employment, Earnings and Personal Income Trends

WY Total



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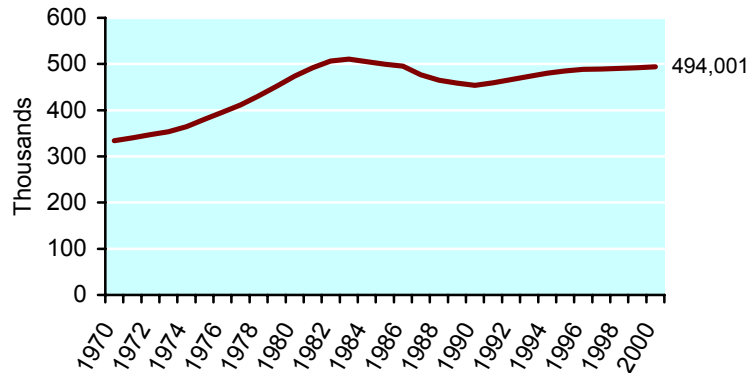
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Compiled by Wyoming Economic Analysis Division (<http://eativ.state.wy.us>)

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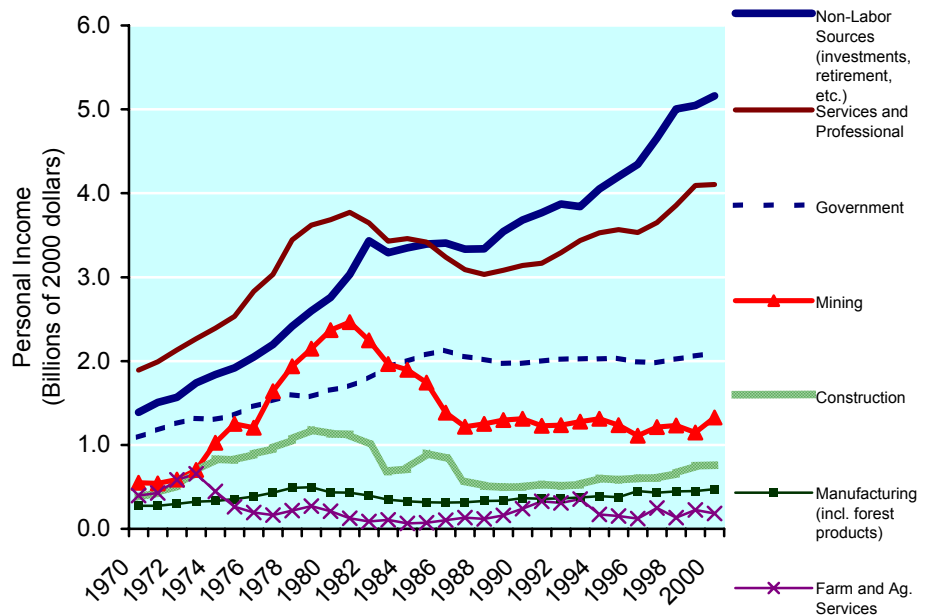
Population

- From 1970 to 2000 WY Total grew by 160,206 people, a 48% increase in population.



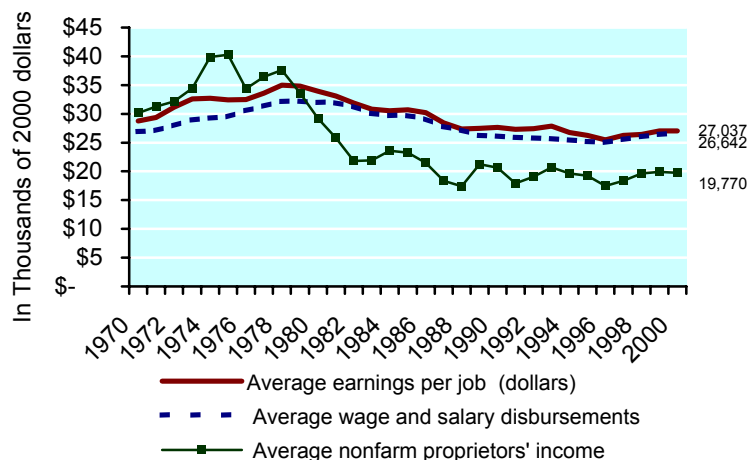
Income Growth or Decline by Major Category

- From 1970 to 2000 the fastest growing component of personal income, in real terms, was from Non-Labor Sources.
- The second fastest component was Services and Professional.



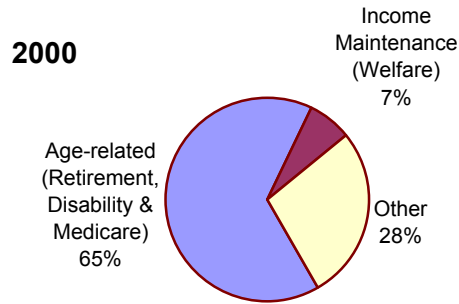
Average Earnings

- Average earnings per job, in real terms, dropped from \$28,733 in 1970 to \$27,037 in 2000.



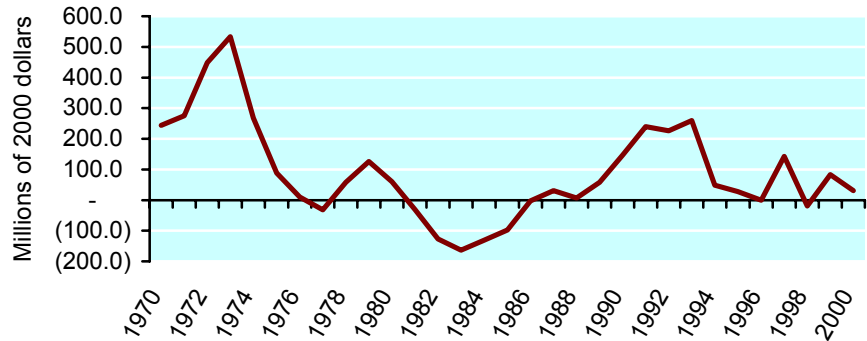
Components of Transfer Payments

- In 2000, 66% of Transfer Payments were from age-related sources (retirement, disability, insurance payments, and Medicare). 7% was from welfare.



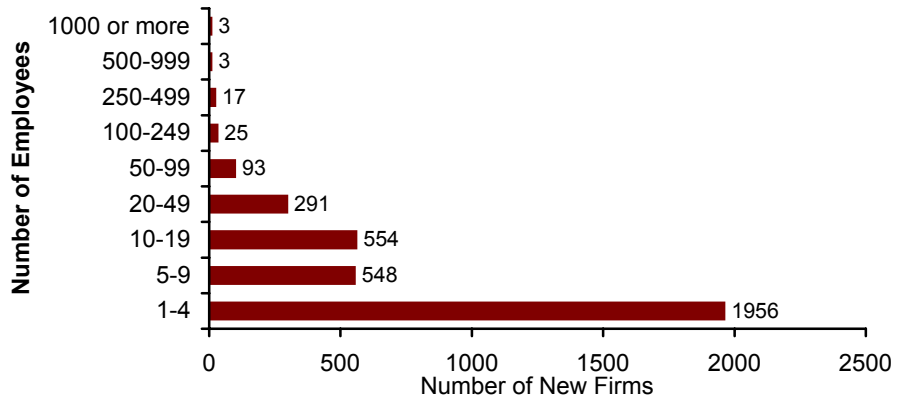
Net Farm Income

- Net income from farming and ranching dropped from \$244 million in 1970 to \$31 million in 2000.



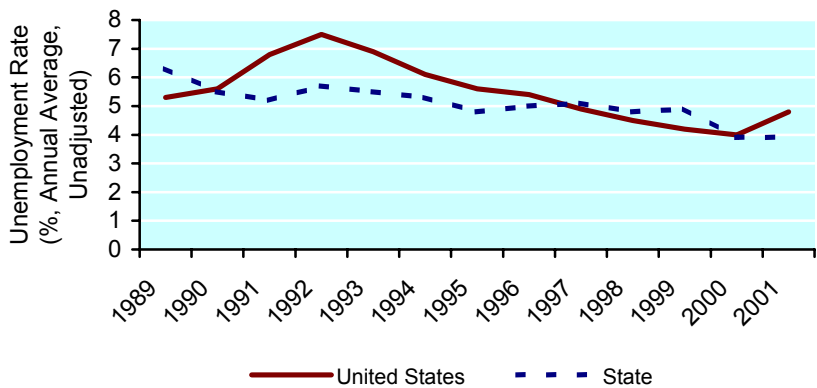
New Firms by Employment Size 1990 to 2000

- From 1990 to 2000 the majority of new businesses established in WY Total were small, with fewer than 20 employees.



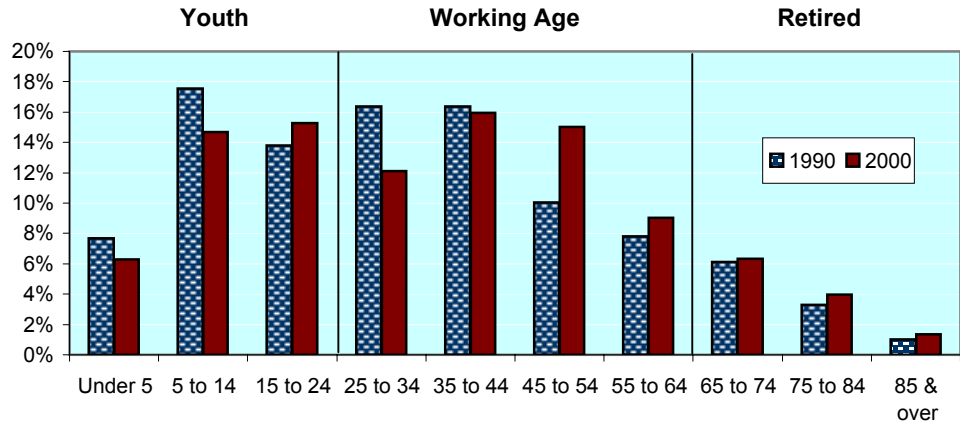
Annual Average Unemployment Rate Compared to the Nation

- In 2001, the unemployment rate in WY Total was 3.9%, compared to 4.8% for the nation.



Age Breakout

- The median age in WY Total is 36.2 years old, compared to 35.3 in the nation.
- In 2000, the baby boom was aged 35 - 54.



Sex & Age Breakout

- Retirement age category has been stable.

Population by Category in 2000						
	1990	% of Total	2000	% of Total	% Chg 1990 - 2000	% Chg per Year 1990 - 2000
Population	453,588		493,782		9%	0.9%
Male	227,007	50%	248,374	50%	9%	0.9%
Female	226,581	50%	245,408	50%	8%	0.8%
Under the age of 20	149,121	33%	145,346	29%	-3%	-0.3%
65 years and over	47,195	10%	57,693	12%	22%	2.2%
Median Age	32.1		36.2			

Race Breakout

- Race is broken out two ways. The Hispanic breakout is separate because Hispanics can be of any race.

Population by Race in 2000				
	State	% of Total	US	% of Total
White	454,670	92.1%	211,460,626	75.1%
Black or African American	3,722	0.8%	34,658,190	12.3%
American Indian & Alaska Native	11,133	2.3%	2,475,956	0.9%
Asian	2,771	0.6%	10,242,998	3.6%
Native Hawaiian & Other Pacific Islander	302	0.1%	398,835	0.1%
Some other race	12,301	2.5%	15,359,073	5.5%
Two or more races	8,883	1.8%	6,826,228	2.4%
Hispanic or Latino (of any race)	31,669	6.4%	35,305,818	12.5%
Not Hispanic or Latino	462,113	93.6%	246,116,088	87.5%

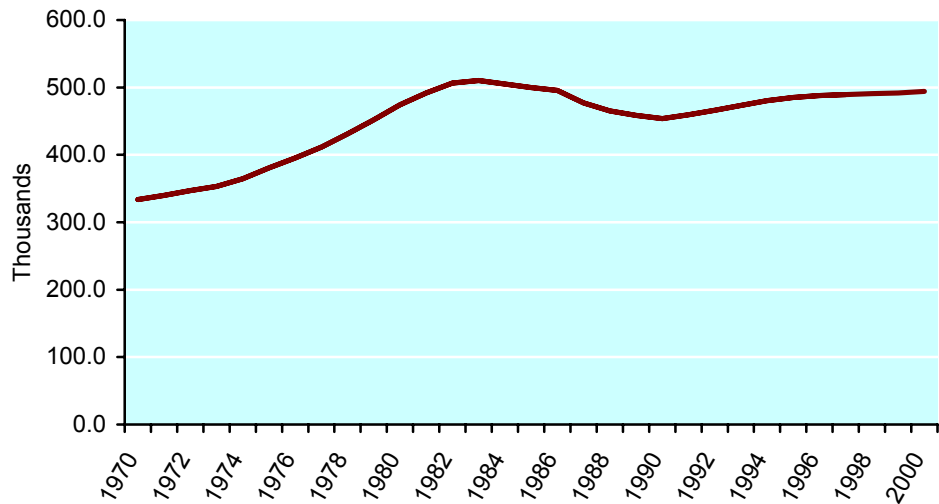
Household Type

- WY Total has a higher owner occupancy rate than the nation.

Population by Household Type in 2000				
	State	% of Total	US	% of Total
Total Housing Units	223,854		115,904,641	
Occupied Housing Units	193,608	86.5%	105,480,101	91.0%
Vacant Housing Units	30,246	13.5%	10,424,540	9.0%
For Seasonal, Recreational, or Occ. Use	12,389	5.5%	3,578,718	3.1%
Homeowner Vacancy Rate (%)	2.1%		1.7%	
Rental Vacancy Rate (%)	9.7%		6.8%	
	State	% of Occ.	US	% of Occ.
Occupied Housing Units	193,608		105,480,101	
Owner-occupied Housing Units	135,514	70.0%	69,815,753	66.2%
Renter-occupied Housing Units	58,094	30.0%	35,664,348	33.8%
Avg Household Size of Owner Occupied	2.6		2.7	
Avg Household Size of Renter Occupied	2.3		2.4	

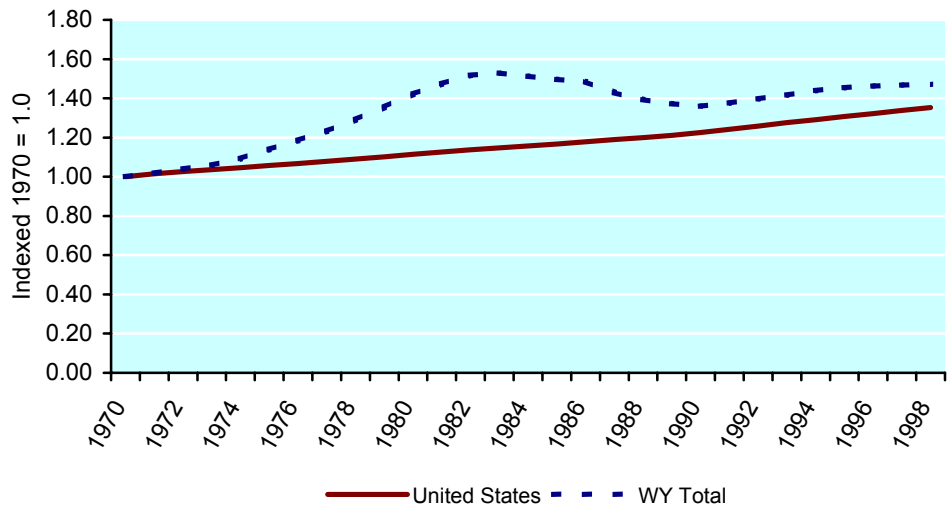
Population

- From 1970 to 2000 WY Total grew by 160,206 people, a 48% increase in population.

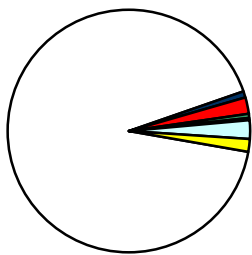


Compared to the Nation

- Since 1970, the population in WY Total has grown faster than the nation.

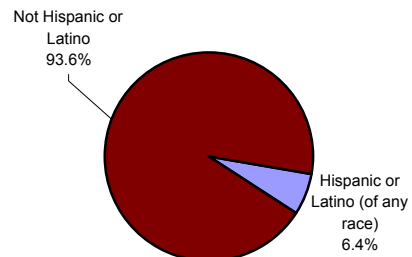


2000 Race Breakout



- White
- Black or African American
- American Indian & Alaska Native
- Asian
- Native Hawaiian & Other Pacific Islander
- Some other race

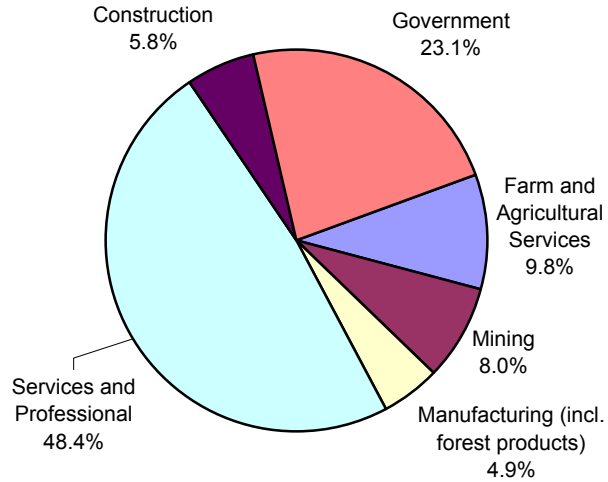
2000 Hispanic Breakout



Job Growth
(See next page)

- From 1970 to 2000, 171,272 new jobs were created.
- Services and Professional accounted for 113,712 new jobs.
- Government accounted for 26,743 new jobs.

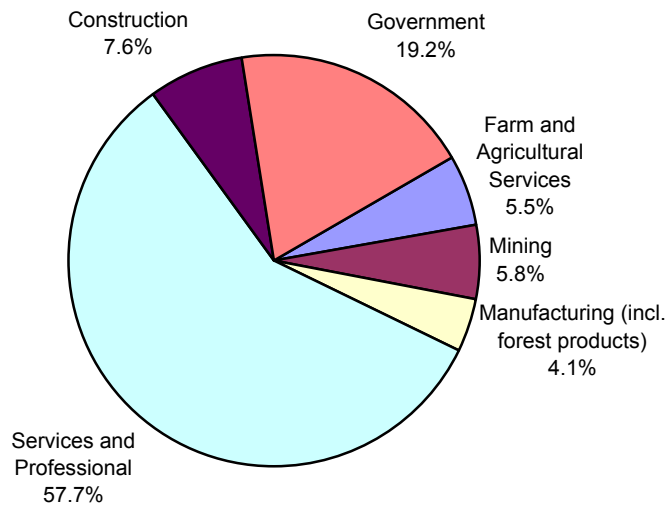
1970

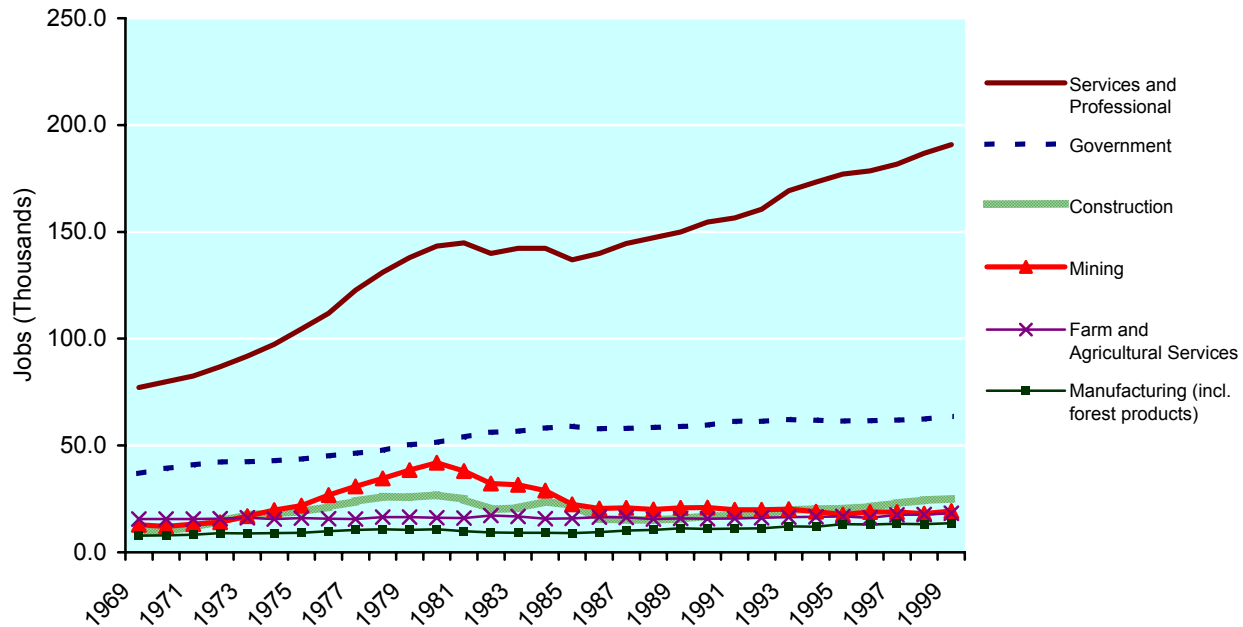


Jobs 1970 & 2000

- In 1970, the largest employment sectors were Services and Professional (48%) and Government (23%).
- In 2000 the largest employment sectors were Services and Professional (58%) and Government (19%).

2000





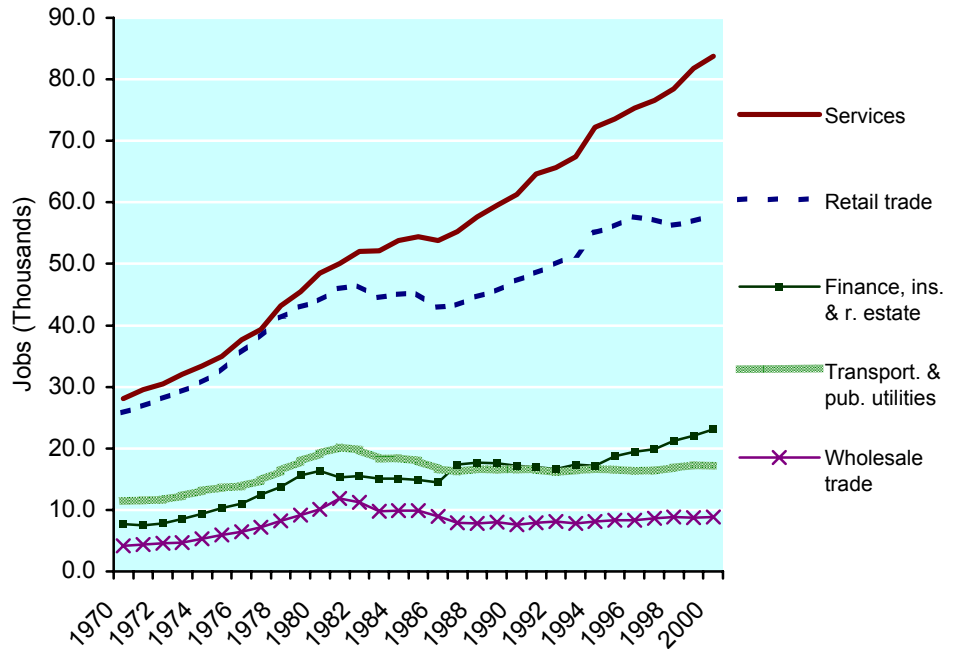
Employment by Industry Changes from 1970 to 2000							
	1970	% of Total	2000	% of Total	New Employment	% of New Employment	
Total Employment	159,385		330,657		171,272		
Wage and Salary Employment	129,358	81.2%	254,203	76.9%	124,845	72.9%	
Proprietors' Employment	30,027	18.8%	76,454	23.1%	46,427	27.1%	
Farm and Agricultural Services	15,586	9.8%	18,314	5.5%	2,728	1.6%	
Farm	14,292	9.0%	12,597	3.8%	-1,695	NA	
Ag. Services	1,294	0.8%	5,717	1.7%	4,423	2.6%	
Mining	12,811	8.0%	19,286	5.8%	6,475	3.8%	
Manufacturing (incl. forest products)	7,741	4.9%	13,631	4.1%	5,890	3.4%	
Services and Professional	77,131	48.4%	190,843	57.7%	113,712	66.4%	
Transportation & Public Utilities	11,497	7.2%	17,189	5.2%	5,692	3.3%	
Wholesale Trade	4,145	2.6%	8,830	2.7%	4,685	2.7%	
Retail Trade	25,781	16.2%	58,041	17.6%	32,260	18.8%	
Finance, Insurance & Real Estate	7,657	4.8%	23,050	7.0%	15,393	9.0%	
Services (Health, Legal, Business, Others)	28,051	17.6%	83,733	25.3%	55,682	32.5%	
Construction	9,320	5.8%	25,044	7.6%	15,724	9.2%	
Government	36,796	23.1%	63,539	19.2%	26,743	15.6%	

Agricultural Services include soil preparation services, crop services, etc. It also includes forestry services, such as reforestation services, and fishing, hunting, and trapping. **Manufacturing** includes paper, lumber and wood products manufacturing.

Services & Professional

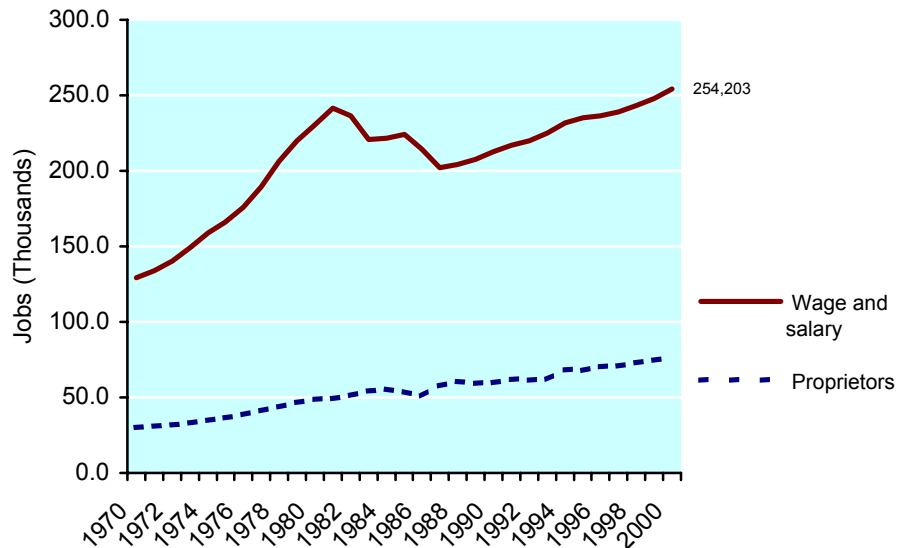
The fastest growing categories under Services and Professional are:

- Services (which includes health, business, legal, engineering and management services) represent 25% of total employment in 2000.
- Retail Trade accounts for 18% of total employment.



Employees vs. Proprietors

- From 1970 to 2000, the majority of job growth, 73% of new jobs, has been in wage and salary employment (people who work for someone else).
- Employment of proprietors contributed to 27% of new employment from 1970 to 2000. In 1970, proprietors represented 19% of total employment; by 2000, they represented 23%.

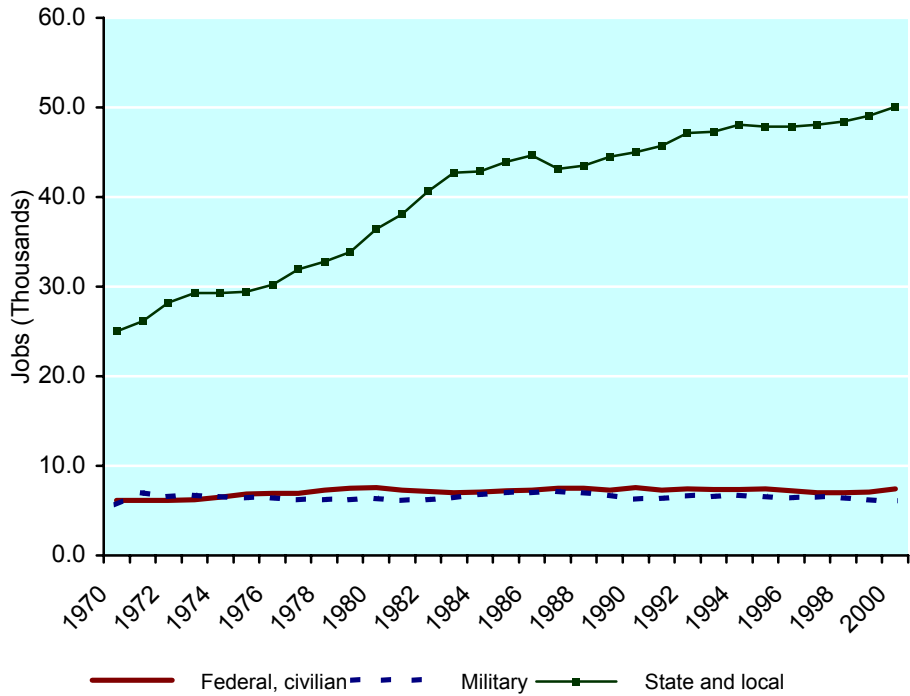


Proprietors include sole ownerships, partnerships, and tax-exempt cooperatives.

Wage and salary employment refers to employees.

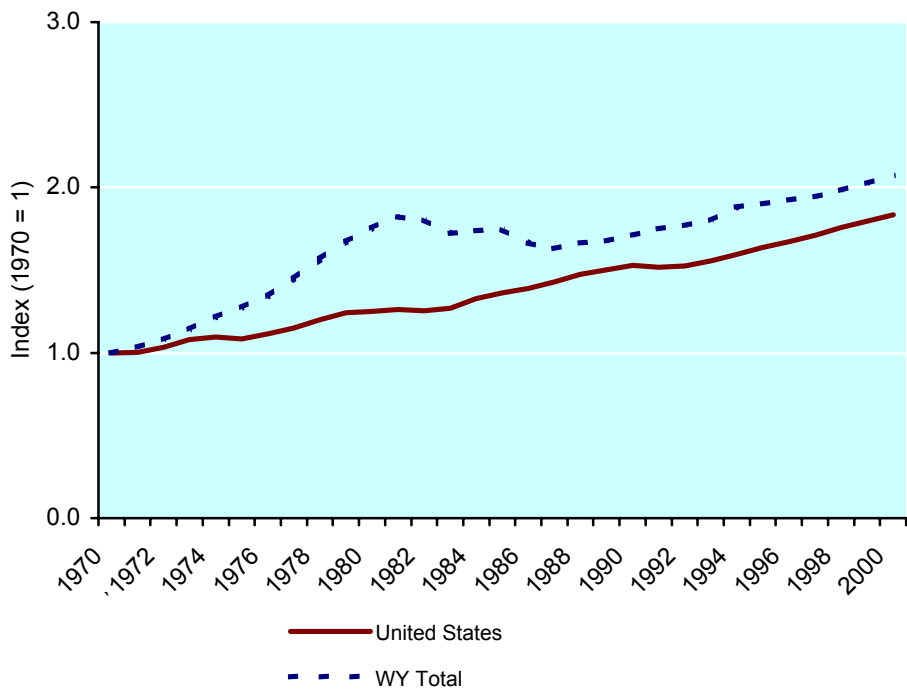
Government Jobs

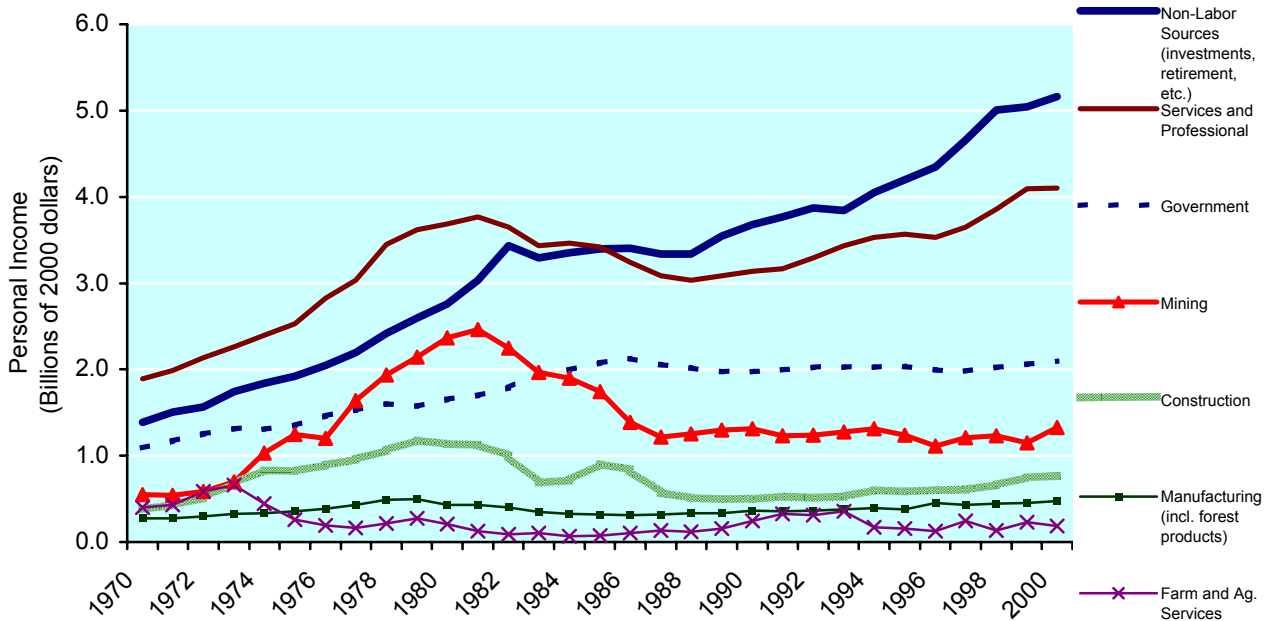
- The majority of the growth in government employment has been in state and local government.



Job Growth Compared to the Nation

- Over the last 30 years job growth in WY Total has grown faster than the nation.





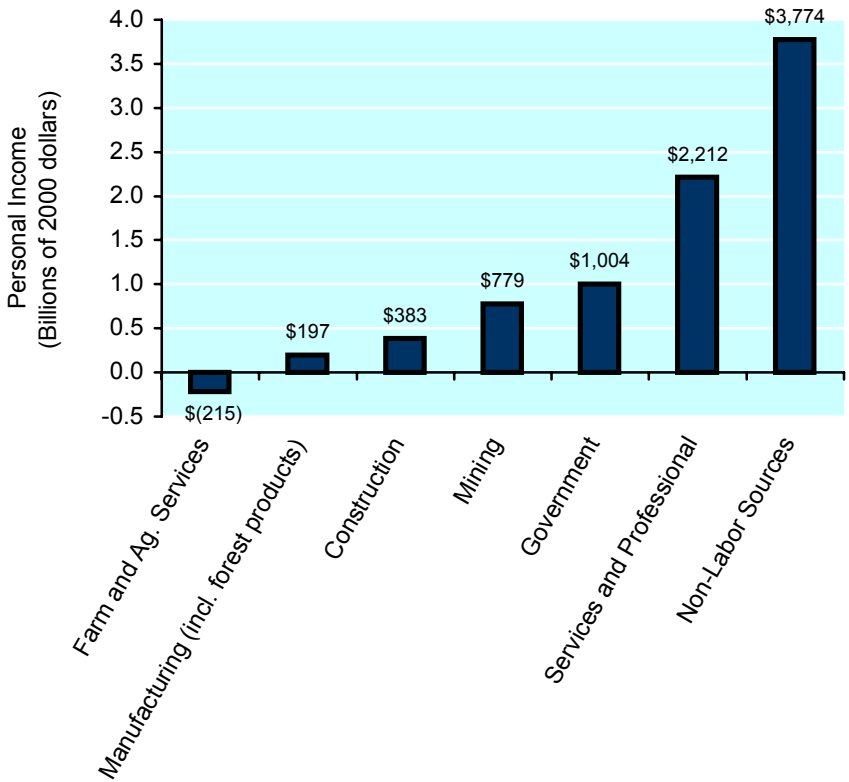
New Income by Type

All figures in millions of 2000 dollars	1970	% of Total in 1970	2000	% of Total in 2000	New Income 1970 to 2000	% of New Income
Total Personal Income*	5,806		13,522		7,715	
Farm and Agricultural Services	398	6.9%	183	1.4%	-215	NA
Farm	371	6.4%	109	0.8%	-262	NA
Ag. Services	27	0.5%	73	0.5%	46	1%
Mining	548	9.4%	1,327	9.8%	779	10%
Manufacturing (incl. forest products)	275	4.7%	472	3.5%	197	3%
Services and Professional	1,891	32.6%	4,103	30.3%	2,212	29%
Transportation & Public Utilities	481	8.3%	767	5.7%	286	4%
Wholesale Trade	144	2.5%	298	2.2%	154	2%
Retail Trade	536	9.2%	837	6.2%	301	4%
Finance, Insurance & Real Estate	156	2.7%	447	3.3%	291	4%
Services (Health, Legal, Business, Others)	573	9.9%	1,754	13.0%	1,180	15%
Construction	377	6.5%	760	5.6%	383	5%
Government	1,092	18.8%	2,095	15.5%	1,004	13%
Non-Labor Income	1,388	23.9%	5,162	38.2%	3,774	49%
Dividends, Interest & Rent	933	16.1%	3,562	26.3%	2,628	34%
Transfer Payments	454	7.8%	1,601	11.8%	1,146	15%

*The sum of the above categories do not add to total due to adjustments made for place of residence and personal contributions for social insurance made by the U.S. Department of Commerce.

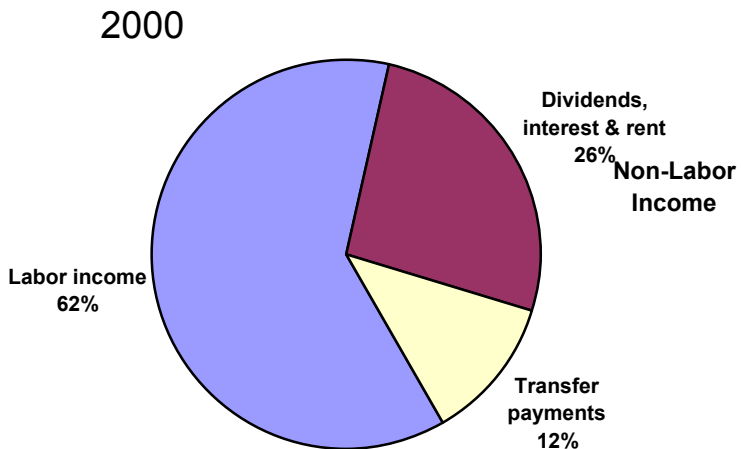
Net Change by Major Category

- From 1970 to 2000, WY Total added \$7,715 million in personal income, in real terms.
- Non-Labor Sources accounted for 49% of new income.
- The second fastest growth was in Services and Professional.



Income by Type 1970 & 2000

- In 1970, Non-Labor Income sources represented 24% of total personal income. By 2000, they comprised 38%.
- In 2000, Dividends, Interest and Rent represented 26% of total personal income. Transfer Payments comprised 12%.



Non-Labor Income includes Transfer Payments (primarily related to retirement) and Dividends, Interest and Rent (money earned from past investments).

Per Capita Income

- Per capita income, in real terms, increased by 16% from 1990 to 2000.

Per Capita Income									
All income in millions of 2000 dollars	1970		1980		1990		2000		% Change 90-00
	1970	% of Total	1980	% of Total	1990	% of Total	2000	% of Total	
Total Personal Income	5,806		11,647		10,750		13,522		26%
Non-Farm	5,435	94%	11,467	98%	10,559	98%	13,412	99%	27%
Farm	371	6%	180	2%	191	2%	109	1%	-43%
Population (Thousands)	333.8		474.2		453.7		494.0		9%
Per Capita Income	17,393		24,561		23,696		27,372		16%

Note: Population estimates from the Bureau of Economic Analysis vary slightly from those in the Census (Page P-3).

Sources of Labor Income

- In 2000, proprietor's income accounted for 10% of total personal income, compared to 11% in 1990. From 1990 to 2000, proprietor's income grew by 16%, in real terms. Wage and salary income during those years grew by 22%.

Sources of Labor Income									
All income in millions of 2000 dollars	1970		1980		1990		2000		% Change 90-00
	1970	% of Total	1980	% of Total	1990	% of Total	2000	% of Total	
Labor Sources									
Wage and Salary	3,484	60%	7,383	63%	5,562	52%	6,773	50%	22%
Other Labor Income	212	4%	864	7%	793	7%	803	6%	1%
Proprietor's	884	15%	1,235	11%	1,175	11%	1,364	10%	16%
Non-Labor Sources	1,388	24%	2,759	24%	3,679	34%	5,162	38%	40%
Dividends, Interest & Rent	933	16%	1,941	17%	2,513	23%	3,562	26%	42%
Transfer Payments	454	8%	818	7%	1,166	11%	1,601	12%	37%

Percentages do not add to 100 because of adjustments made by BEA, such as residence, social security, and others.

- From 1990 to 2000 Non-Labor income sources grew by 40%.

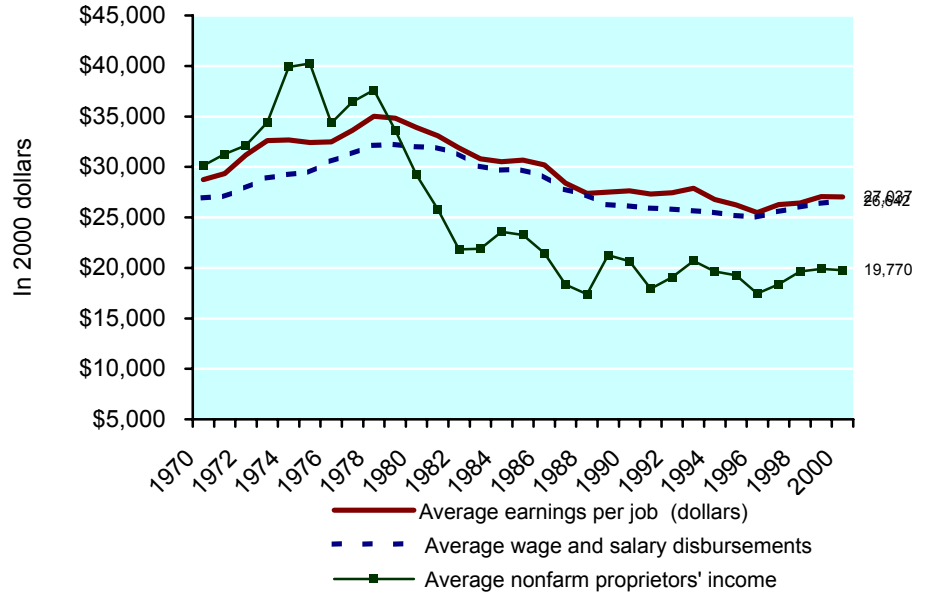
Wage and salary is monetary remuneration of employees, including employee contributions to certain deferred compensation programs, such as 401(K) plans.

Other labor income is payments by employers to privately administered benefit plans for their employees, the fees paid to corporate directors, and miscellaneous fees. The payments to private benefit plans account for more than 98 percent of other labor income.

Proprietors is income of sole proprietorships, partnerships and tax-exempt cooperatives. A sole proprietorship is an unincorporated business owned by a person. A partnership is an unincorporated business association of two or more partners. A tax-exempt cooperative is a nonprofit business organization that is collectively owned by its members.

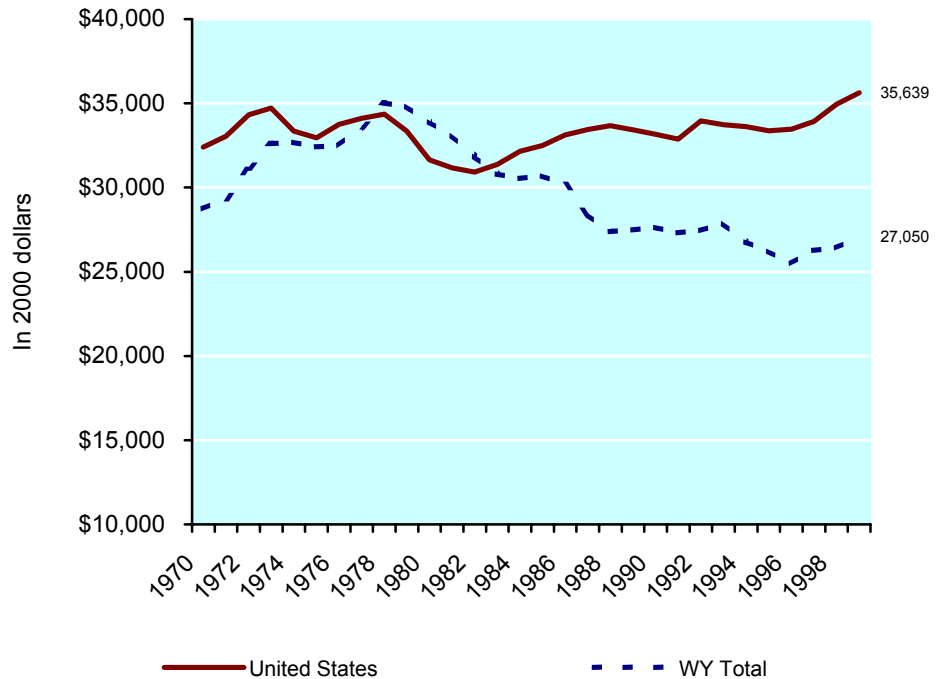
Average Earnings Per Job

- Average earnings per job in WY Total, in real terms, have fallen from \$28,733 in 1970 to \$27,037 in 2000.



Average Earnings Compared to the Nation

- In 1999, Average earnings per job in WY Total are lower than the nation.



Another Way to Look at Industry Groupings

WY Total

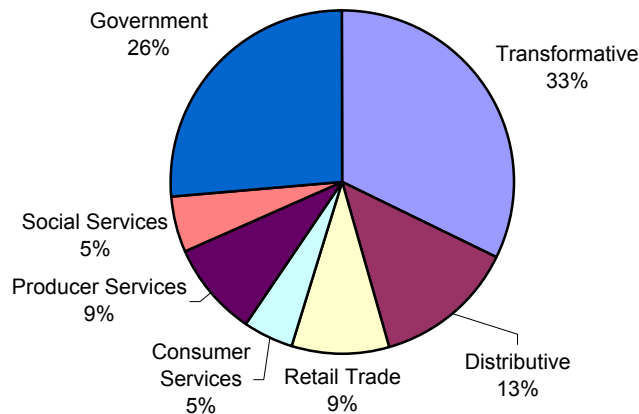
Another way to look at industry trends is to group industries differently, as shown in the table. This grouping allows a more detailed review of "service" sectors, which can be broken down into categories such as producer, consumer, social, and government services. Consumer services are generally low-paying. They include jobs in amusement and recreation, hotel and lodging, repair shops, motion pictures, household and personal services.

Social services include education and health care. Government services include state and local government, military, as well as federal employees, and public lands agencies. Producer services are defined as those services that are part of goods production and they include some of the higher paying sectors, such as finance, insurance, real estate, legal and business services, membership organizations, and engineering and management services.

Labor Income by Industry Grouping

- In 1990, the largest two industry groupings were in Transformative and Government. The largest two "service" types were Government and Producer Services.

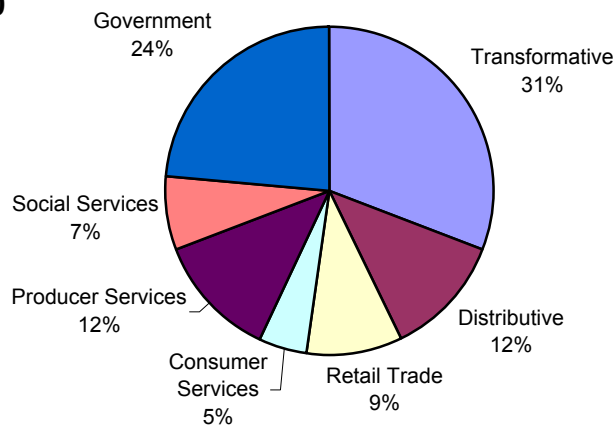
1990



Labor Income by Industry Grouping

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2000



Another Way to Look at Industry Groupings

Personal Income Change by Category 1990 to 2000

The largest contributors to new personal income from 1990 to 2000 in real terms, were:

- The fastest growth was in the Producer Services sectors; 66% growth.
- The second fastest growth was in the Social Services sectors; 60% growth.
- The third fastest growth was in the Non-Labor Income sectors; 40% growth.

Personal Income					
All figures in millions of 2000 dollars.	1990	2000	New Income	% Change	% of New Income
Total Personal Income	10,750.2	13,521.6	2,771.3	26%	
LABOR INCOME					
Transformative					
Agriculture	241.8	182.9	-58.9		
Mining	1,310.7	1,326.6	15.9		
Construction	498.8	760.4	261.6		
Manufacturing	365.4	471.8	106.3		
Total	2,416.7	2,741.7	324.9	13%	12%
Distributive					
Transportation & public utilities	740.3	767.3	27.0		
Wholesale Trade	250.8	298.2	47.5		
Total	991.0	1,065.6	74.5	8%	3%
Retail Trade					
	695.0	837.1	142.1	20%	5%
Consumer Services					
Hotels & Other Lodging	108.8	155.7	46.9		
Personal Services	57.6	66.3	8.7		
Household Services	14.3	14.9	0.7		
Repair Services	104.1	121.2	17.1		
Motion Pictures	11.3	9.5	-1.9		
Amusements & Recreation	64.2	56.8	-7.4		
Total	360.3	424.4	64.1	18%	2%
Producer Services					
Finance, Insurance & Real Estate	247.4	446.9	199.5		
Legal Services	90.7	104.6	13.9		
Business Services	155.5	277.8	122.3		
Engineering & Management Service	119.4	209.4	90.1		
Membership Organizations	49.9	60.9	11.0		
Total	662.9	1,099.6	436.8	66%	16%
Social Services					
Health Services	329.9	502.0	172.1		
Social Services	50.0	107.7	57.7		
Educational Services	20.3	30.8	10.6		
Total	400.1	640.5	240.3	60%	9%
Government Services					
Federal, Civilian	382.0	423.5	41.4		
Military	206.0	211.7	5.7		
State and Local	1,385.3	1,460.3	74.9		
Total	1,973.4	2,095.4	122.0	6%	4%

Note: The sum of the above categories does not add to total because non-labor income is not included. See page P-9 for non-labor income data.

The term "Non-Labor Income" is also referred by some economists as "Non-Earnings Income". It consists of Dividends, Interest and Rent (collectively often referred to as money earned from investments) and Transfer Payments (payments from governments to individuals, age-related, including Medicare, disability insurance payments, and retirements).

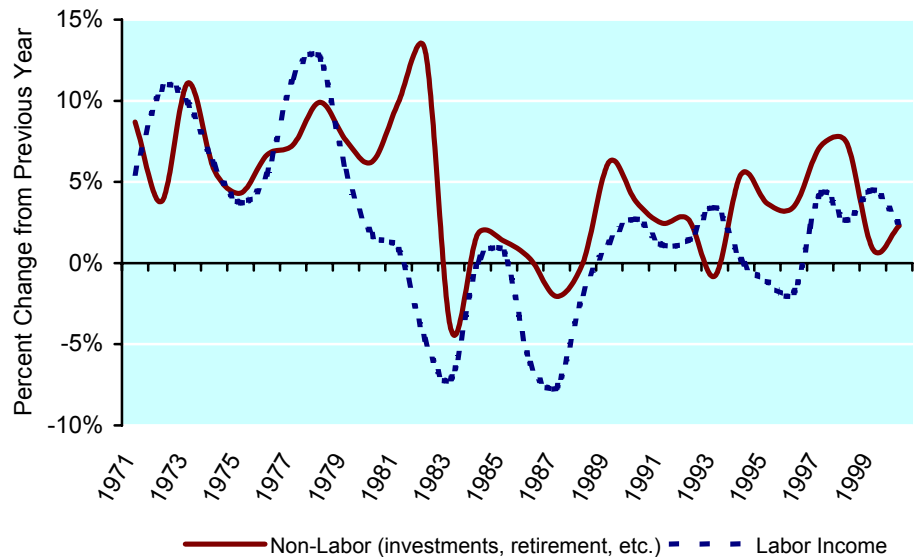
(See methods section for definitions and further explanations.)

Components of Transfer Payments

All figures in millions of 2000 dollars	1970	% of Total TP	1980	% of Total TP	2000	% of Total TP	New Payments 1970 to 2000	% of New Payments
Total transfer payments	454.3		818.4		1,600.7		1,146.4	
Government payments to individuals	412.8	91%	742.2	91%	1,495.1	93%	1,082.3	94%
Retirement & disab. insurance benefit payments	258.6	57%	469.0	57%	823.0	51%	564.3	49%
Medical payments	49.62	11%	127.43	16%	461.95	29%	412.3	36%
Income maintenance benefit payments ("welfare")	30.1	7%	51.3	6%	109.6	7%	79.5	7%
Unemployment insurance benefit payments	12.5	3%	29.9	4%	28.0	2%	15.5	1%
Veterans benefit payments	56.8	13%	51.9	6%	52.1	3%	(4.7)	NA
Federal educ. & trng. asst. pay. (excl. vets)	4.0	0.9%	11.5	1.4%	18.4	1.1%	14.4	1%
Other payments to individuals	1.1	0.2%	1.2	0.1%	2.0	0.1%	0.9	0%
Payments to nonprofit institutions	27.1	6%	48.0	6%	67.6	4%	40.5	4%
Business payments to individuals	14.4	3%	28.2	3%	38.0	2%	23.6	2%

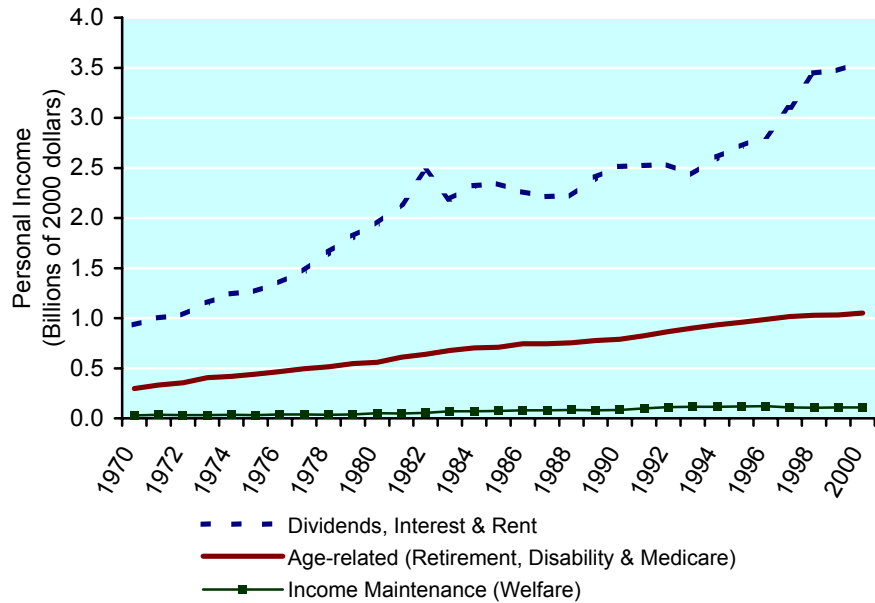
Labor vs. Non-Labor Income Stability

- Over the last 30 years Non-Labor Income sources have had a stabilizing effect relative to the frequent fluctuations of Labor Income sources in most areas.



Trends in Non-Labor Income by Type

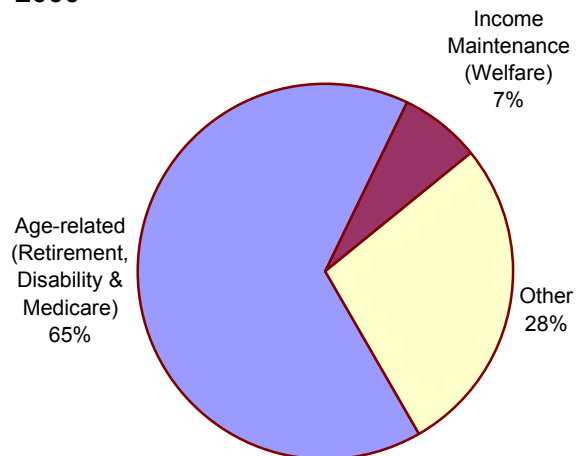
- The largest components of Non-Labor Income are from Dividends, Interest & Rent (i.e. money earned from past investments).
- In 2000 welfare represented 7 percent of transfer payments, and less than one percent of total personal income. This is up slightly from 1980 and up slightly from 1970.



Components of Transfer Payments

- In 2000, 66% of Transfer Payments were from age-related sources (retirement, disability, insurance payments, and Medicare) while 7% was from welfare.

2000



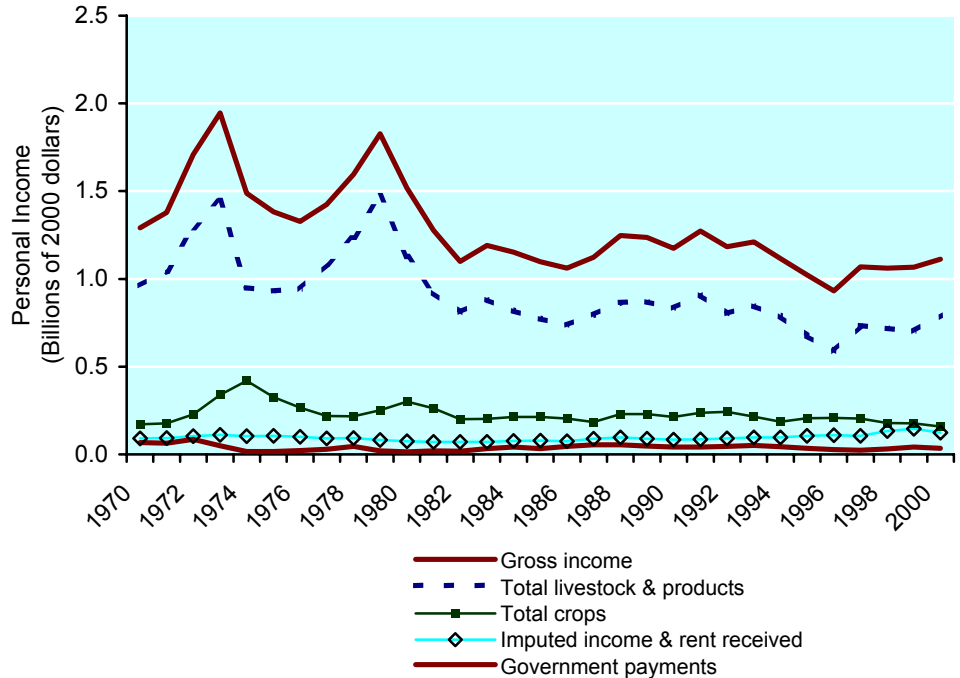
Gross Income, Expenses, and Net Income from Farming and Ranching

All figures in thousands of 2000 dollars	1970	% of Gross	1985	% of Gross	2000	% of Gross
Gross Income (Cash + Other)	1,291,487		1,097,060		1,112,666	
Cash Receipts from Marketings	1,132,308	88%	986,239	90%	954,091	86%
Livestock & Products	960,374	74%	773,168	70%	794,711	71%
Crops	171,934	13%	213,070	19%	159,380	14%
Other Income	159,178	12%	110,821	10%	158,575	14%
Government Payments	67,393	5%	32,211	3%	34,302	3%
Imputed Rent & Rent Received	91,785	7%	78,610	7%	124,273	11%
Production Expenses	1,103,305		1,160,036		1,030,281	
Realized Net Income (Income - Expenses)	188,182		(62,976)		82,385	
Value of Inventory Change	56,120	4%	(34,682)	-3%	(51,399)	-5%
Total Net Income (Inc. corporate farms)	244,302		(97,658)		30,986	

Farm Income by Category

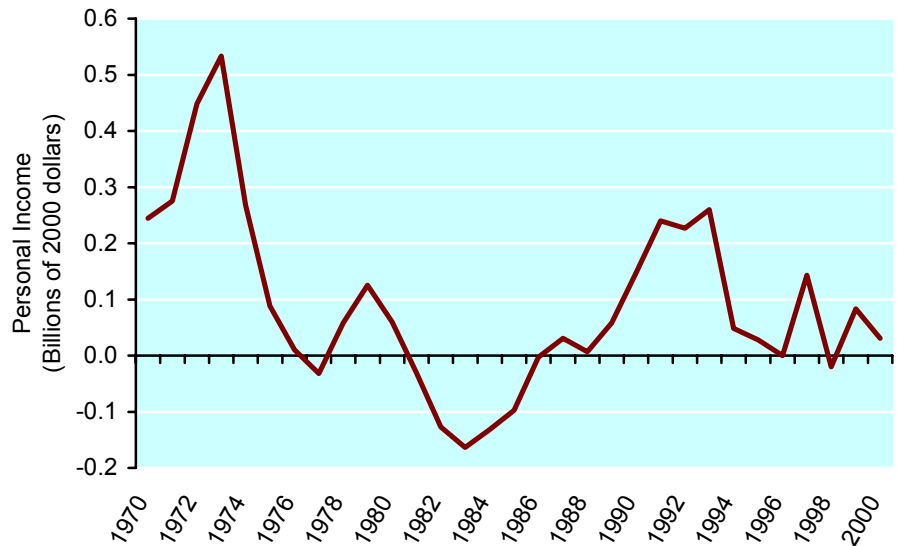
(Includes Ranching)

- In 1970, 74% of gross farm income was from livestock, while 13% was from crops. By 2000, 71% percent of gross income was from livestock, and 14% percent from crops.
- Income from government payments has dropped from 5% of gross in 1970 to 3% in 2000.



Net Farm Income

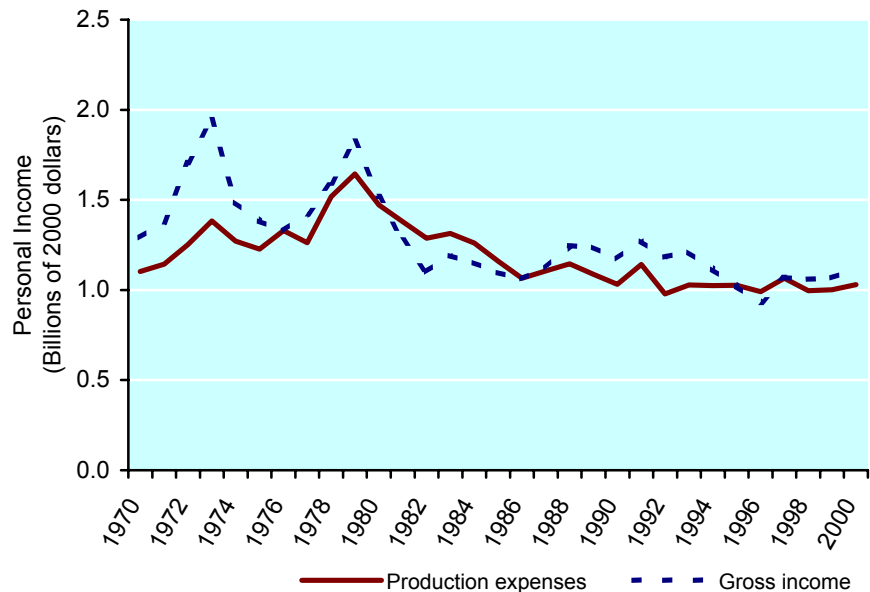
- Total net income from farming and ranching in WY Total, in real terms, dropped from \$244.3 million in 1970 to -\$97.7 million in 1985, and then rose to \$31.0 million in 2000.



Net farm income can be counted as positive by the Department of Commerce, even with slim margins, because the value of inventories may rise.

Gross Income vs. Production Expenses

- In 1970 Gross Farm Income exceeded Production Expenses by \$188 million.
- By 2000 Gross Farm Income minus Production Expenses (realized net income) equaled \$82.4 million.

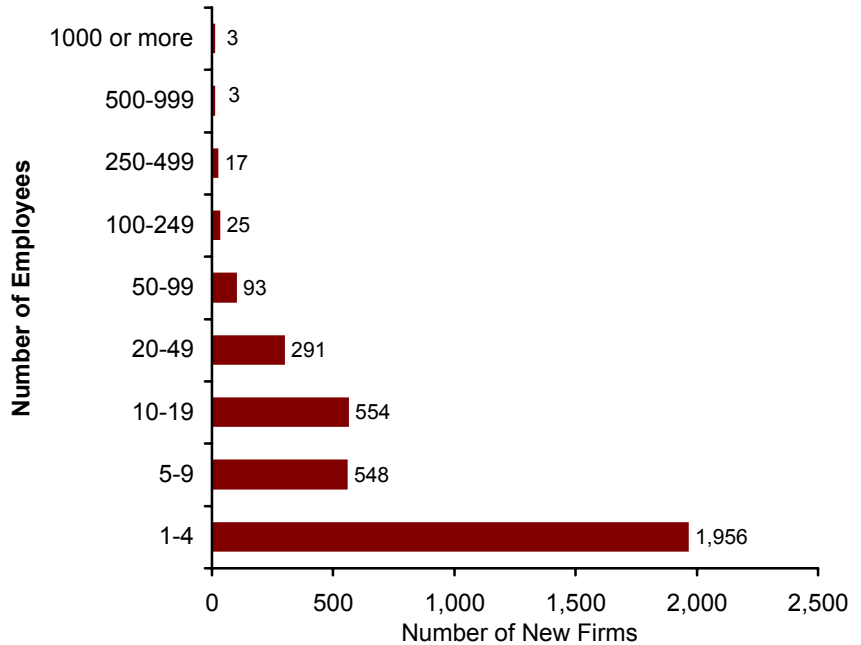


This page is blank because the Economic Profile System does not contain Commuting data for this area.

In its annual report *County Business Patterns*, the Bureau of the Census lists employment by the size and type of employer. These statistics are useful to help determine what size of business, large or small, are adding most of the new jobs.

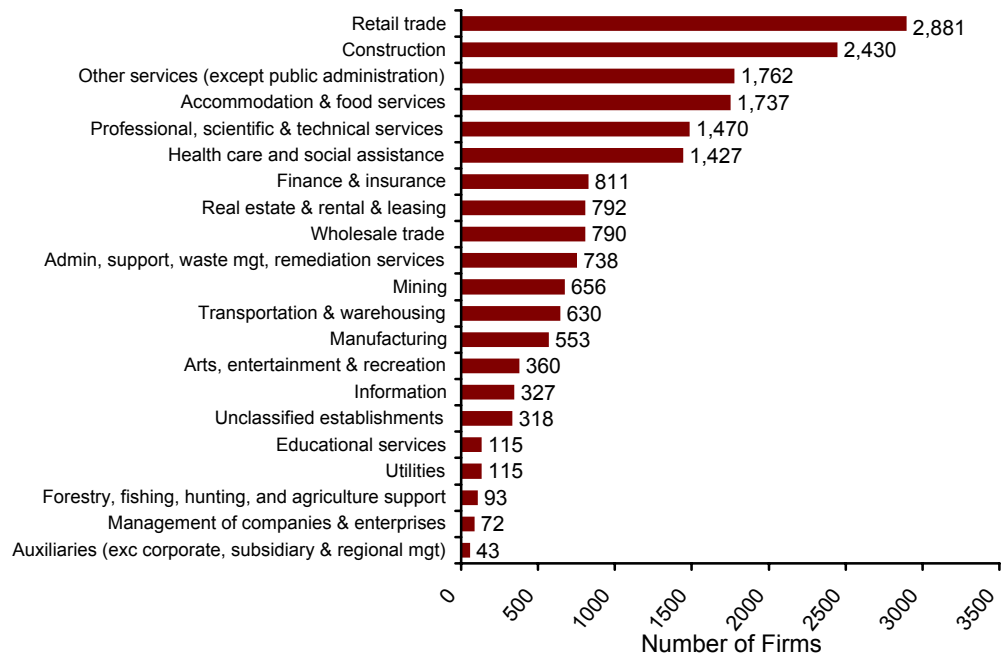
New Firms by Employment Size 1990 to 2000

- The majority of new businesses established in WY Total from 1990 to 2000 have been small, with fewer than 20 employees.
- The largest growth has been in firms of 1-4 employees, with 1,956 new businesses.



Number of Firms by Major Category in 2000

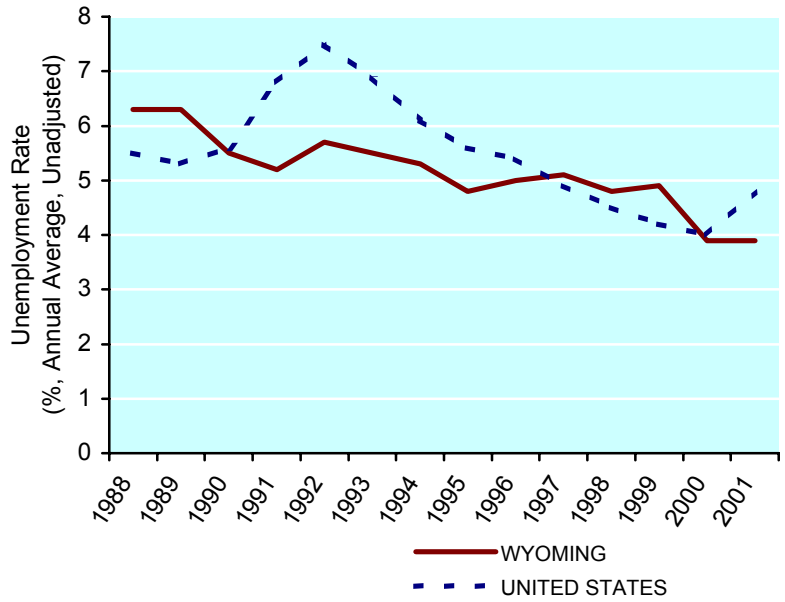
- The majority of firms are in Retail trade (2,881 firms) followed by Construction (2,430 firms), and Other services (except public administration) (1,762 firms).



Note: Data for this page was obtained from *County Business Patterns* (CBP), which counts only wage and salary employment. Therefore the self-employed ("proprietors" in previous sections of this profile) are not counted, and therefore total employment is underestimated. Also, data on this page was reported by CBP using the NAICS system. Previous pages used data from REIS, which uses the SIC system. See Methods Section for a discussion on the transition from SIC to NAICS.

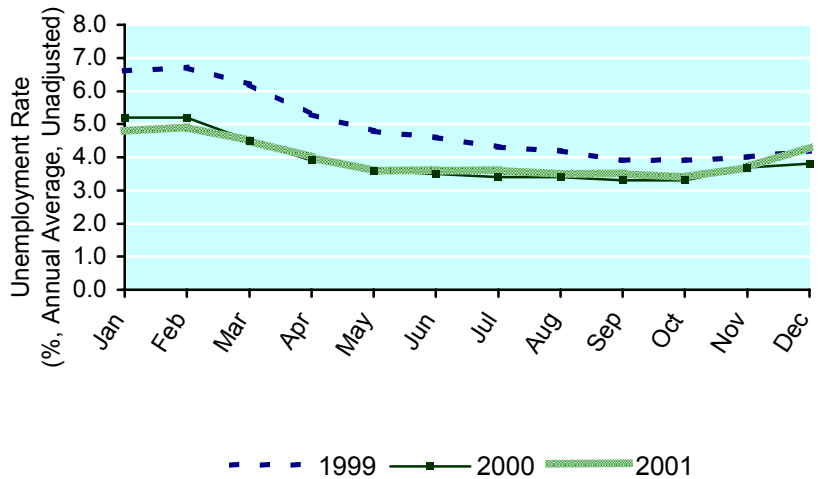
Annual Average Unemployment Rate Compared to the Nation

- In 2001, the unemployment rate in WY Total was 3.9% compared to 4.8% for the nation.



Unemployment Rate Seasonality

- This graph illustrates the seasonal variation in the unemployment rate over the last three years. In 2001, the unemployment rate varied from a low of 3.4% to a high of 4.9%



APPENDICES

Data Sources

Data for this profile were obtained from four sources:

- Regional Economic Information System (REIS CD-ROM) of the Bureau of Economic Analysis, US Department of Commerce.
- Bureau of Labor Statistics, US Department of Labor.
- *County Business Patterns*, Bureau of the Census, US Department of Commerce.
- Bureau of Census, US Department of Commerce.

The data in this profile is organized to show long-term trends at the county level. We used this method and geographic scale for several reasons: (1) trend analysis provides a more comprehensive view of change than spot data for select years, (2) the most reliable information on long-term employment and income trends is available at the county level, and (3) communities within counties rarely function as economic units themselves. Finally, even though in many areas the most accurate geographic scale to understand economic changes may be at the multi-county or regional level, county-level data is useful in the context of existing political jurisdictions, such as county commissions and planning departments. The list below contains the World Wide Web sites and telephone numbers for the databases used in this report:

Bureau of Economic Analysis:
<http://www.bea.doc.gov>; Tel. 202-606-9600

Bureau of Labor Statistics:
<http://stats.bls.gov:80/blshome>; Tel. 202-606-5886

Bureau of Census:
<http://www.census.gov>; Tel. 303-969-7750

Oregon State University, Government Information Sharing Project:
<http://govinfo.library.orst.edu>; Tel. 541-737-4514.

University of Virginia, Geospatial and Statistical Data Center:
<http://fisher.lib.virginia.edu>; Tel. 804-982-2630

Use of Federal Rather than State Data Bases

Data from state agencies was not used for this profile. Many of the state and local sources of data do not include information on the self-employed or on the importance of non-labor income, such as retirement income and money earned from past investments. In many counties this can result in the underestimation of employment and total personal income by at least one third. The REIS disk of the Bureau of Economic Analysis contains the most robust data set and for this reason it was used as the primary source.

The only disadvantage of the REIS dataset is it's not as recent; 1999 being the latest for REIS, while state data sources provide data for as recent as 2000 and in some instances 2001. By providing long-term trends data, from 1970 to 1999, having the most recent data is less important than being able to discern where the county's economy was, and the direction in which it is headed in recent years.

The Standard Industrial Classification (SIC) System

Employment and income information is organized by the US Department of Commerce according to the Standard Industrial Classification (SIC) code. Industries are classified in broad categories (e.g., Farm), sub-categories (e.g., Agricultural production - crops), and progressively finer levels of detail (e.g., Ag. Production – cash grains). For a detailed description of SIC codes consult *The Standard Industrial Classification Manual* (National Technical Information Service, order no. PB-100012, Tel. 703-487-4600).

Services

Since much of the growth in labor earnings in the US economy over the last two decades has been in "services," it should be noted that the term is defined in various ways by different researchers. Some economists define services broadly as "all output that does not come from the four goods-producing sectors: agriculture, mining, manufacturing, and construction."¹ The US Department of Commerce defines services more narrowly as major groups 70-89 of the SIC code.² However, even their restricted classification includes a wide variety of sectors, ranging from hotels and lodging, and social services to business services, and engineering and management services.

¹ E. Ginzberg and G.J. Vojta. 1981. "The Service Sector in the US Economy." *Scientific American*. 244 (3): 48-55.

² SIC codes 70-89 are: Hotels, Lodging and Other Places, Personal Services, Business Services, Auto Repair, Miscellaneous Repair Services, Motion Pictures, Amusement and Recreation Services, Health Services, Legal Services, Educational Services, Social Services, Museum Services, Museums, Botanical, and Zoological Services, Engineering and Management Services, Private Households, and Services Not Elsewhere Classified.

In this profile, we define services broadly as “Services and professional” industries, and then also into categories -- such as producer, consumer, social and government services -- to gain a clearer picture of where service growth is taking place. We use the term Services and Professional to underscore an important point: service occupations are not just “hamburger flippers and maids,” but rather consist of a combination of high-paying and low-paying professions, mixing physicians with barbers, and chambers maids with architects and financial consultants.

According to economist Lester Thurow, “Services is simply too heterogeneous to be an interesting category. The real issue is not the growth of services but whether the economy is making a successful transition from low-wage, low-skill industries ... to high-wage, high-skill industries.”¹ One way to gauge this is to follow the long-term trends in average earnings per job.

A Transition from SIC system to NAICS:
An Important Precaution on the Interpretation of Economic Trend Data.

Most of the historic data, from 1970 to 1999, used in this profile is based on industry data that is organized by the U.S. Department of Commerce using the Standard Industrial Classification (SIC) system. In the next few years, depending on the agency, data will be organized according to a new system, called the North American Industry Classification System (NAICS, pronounced “nakes”). In this profile, only the section called Business Establishments, which uses data from *County Business Patterns*, is organized according to the NAICS system.

The NAICS system is an improvement to the SIC system in several ways: first, businesses that use similar processes to produce goods or services are classified together. Previously, under the SIC system, some businesses were classified on the basis of their production processes while others were classified under different principles, such as class of consumer. Second, NAICS is a flexible system that will be updated every five years in order to keep pace with changes in the economy. Third, the NAICS system recognizes the uniqueness and rising importance of the “information economy,” and provides several new categories that are new, such as cable program distributors, and database and directory publishers. Finally, and perhaps the most useful, the NAICS system provides seven sectors to better reflect services-producing businesses that were previously combined into one generic SIC division (the Services division). This new system allows the data user to differentiate more clearly between what was previously often lumped under the general heading of “services,” into categories such as arts and entertainment; education; professional, scientific and technical services; health care and social assistance, among others.

Arguably the most important change of NAICS is the recognition of hundreds of new businesses in the economy. NAICS divides the economy into 20 broad sectors rather than the SIC’s 10 divisions as seen in the table below. Creating these additional sector-level groupings allows NAICS to better reflect key business activities as well as chronicle their changes.

¹ Lester Thurow, *The Future of Capitalism* (New York: William and Morrow and Company), p. 71.

SIC Divisions vs. NAICS Sectors

<i>SIC Divisions</i>	<i>NAICS Sectors</i>
• Agriculture, Forestry, and Fishing	• Agriculture, Forestry, Fishing and Hunting
• Mining	• Mining
• Construction	• Construction
• Manufacturing	• Manufacturing
• Transportation, Communications, and Public Utilities	• Utilities • Transportation and Warehousing
• Wholesale Trade	• Wholesale Trade
• Retail Trade	• Retail Trade • Accommodation and Food Services
• Finance, Insurance, and Real Estate	• Finance and Insurance • Real Estate and Rental and Leasing
• Services	• Information • Professional, Scientific, and Technical Services • Administrative and Support and Waste Management and Remediation Services • Educational Services • Health Care and Social Assistance • Arts, Entertainment, and Recreation • Other Services (except Public Administration)
• Public Administration	• Public Administration
• None (previously, categories within each division)	• Management of Companies and Enterprises

Non-Labor Income

Non-labor income is a mix of Dividends, Interest, and Rent (money earned from past investments), and Transfer Payments (government payments to individuals). Private pension funds (e.g. 401(K) plans) are not counted as part of transfer payments.

Some data sources, such as “Section 202” data available from state unemployment insurance records and reported by the Bureau of Labor Statistics, do not report non-labor income. The Bureau of Economic Analysis (BEA), on the other hand, tracks non-labor income. In order to understand the actual growth (labor and non-labor) of personal income, the REIS/BEA data set must be used, and this is what was used for this profile.

Disclosures

Some data, such as employment and income figures in counties with small economies, are not available because of confidentiality restrictions. In order to protect information about individual businesses, data are sometimes suppressed or, in the case of the publication *County Business Patterns*, a range of values are given instead of a specific value. Generally, the smaller the geographic level of analysis or the smaller the economy under examination the higher the chances that industry-specific information will be suppressed.

In some of the profiles a few disclosure restrictions were encountered. Sometimes *County Business Patterns* data was used to estimate data where disclosures exist in the REIS/BEA database. In other instances the missing data was left blank, particularly if doing so has little effect on the ability to discern long-term trends. In other cases, where data was missing for one or two years, a rolling average was used to estimate the data gaps. In each case where disclosures were estimated, annotations were made in the Excel files.

Adjustments from Current to Real Dollars

Because a dollar in the past was worth more than a dollar today, data reported in current dollar terms should be adjusted for inflation. The US Department of Commerce reports personal income figures in terms of current dollars. All income data in this profile were adjusted to real (or constant) 2000 dollars using the Consumer Price Index.

Unemployment Rate

Unemployment is generally available as seasonally unadjusted or adjusted, and there is an advantage to using adjusted data. From the Bureau of Labor Statistics web site (<http://stats.bls.gov/lauseas.htm>), an explanation of why adjusted figures should be used, whenever possible: “Over the year, the size of the Nation's labor force, the levels of employment and unemployment, and other measures of labor market activity undergo sharp fluctuations due to seasonal events including changes in weather, harvests, major holidays, and the opening and closing of schools. Because these seasonal events follow a more or less regular pattern each year, their influence on statistical trends can be eliminated by adjusting the statistics from month to month. These adjustments make it easier to observe the cyclical, long term trend, and other non-seasonal movements in the series.”

Unadjusted numbers were used in this profile in order to obtain an annual average and because county-level data are not available in adjusted format from the Bureau of Labor Statistics web site. This may introduce some error in counties where the size of the workforce fluctuates seasonally, such as tourist destination areas.

Farm Income Footnote:

Note that farm income figures on pages 17 and 9 are not the same. In brief, the figures on page 17 (see table) reflect income from farming *enterprises* (farm proprietors and corporate income), while the farm figure on page 9 (see table) indicates personal income earned by *individuals* (both proprietors, and wage and salary employees) who work in farming.

Note also that the term “farm” includes farming and ranching, but not agricultural services such as supplying soil preparation services and veterinary and other animal services – see table on page 9.

Farm income on page 17 is calculated as follows:

Total cash receipts and other income
less: Total production expenses
Realized net income
plus: Value of inventory change
Total net income including corporate farms

Farm income on page 9 is calculated as follows:

Total net income including corporate farms
less: Net income of corporate farms
plus: Statistical adjustment
Total net farm proprietors' income
plus: Farm wages and perquisites
plus: Farm other labor income
Total farm labor and proprietors' income

Income:

Total Personal Income = private earnings, income from government and government enterprises, dividends, interest, and rent, and transfer payments plus adjustments for residence minus personal contributions for social insurance.

Wage and salary = monetary remuneration of employees, including employee contributions to certain deferred compensation programs, such as 401K plans.

Other labor income = payments by employers to privately administered benefit plans for their employees, the fees paid to corporate directors, and miscellaneous fees. The payments to private benefit plans account for more than 98 percent of other labor income

Proprietors' income = income from sole proprietorships, partnerships, and tax-exempt cooperatives. A sole proprietorship is an unincorporated business owned by a person. A partnership is an unincorporated business association of two or more partners. A tax-exempt cooperative is a nonprofit business organization that is collectively owned by its members.

Transfer Payments:

Transfer payments = payments to persons for which they do not render current services. As a component of personal income, they are payments by government and business to individuals and nonprofit institutions.

Retirement & disab. insurance benefit payments = Old-Age, Survivors, and Disability Insurance payments (Social Security), Railroad Retirement and Disability payments, Federal Civilian Employee & Disability Payments, Military Retirement, and State and Local Government Employee retirement payments.

Medical payments = Medicare, public assistance medical care and CHAMPUS payments.

Income maintenance (welfare) = Supplemental Security Income (SSI), Aid to Families with Dependent Children (AFDC), Food Stamps, and Other Income Maintenance Payments, such as emergency assistance, foster care payments and energy assistance payments.

Unemployment insurance benefit payments = unemployment compensation for state and federal civilian employees, unemployment compensation for railroad workers, and unemployment compensation for veterans.

Veterans benefits = primarily compensation to veterans for their disabilities and payments to their survivors.

Federal education and training assistance = Job Corps payments, interest payments on Guaranteed Student Loans, federal fellowship payments, and student assistance for higher education.

Other government payments = compensation of survivors of public safety officers and compensation of victims of crime. In Alaska this item includes Alaska Permanent Fund payments.

Payments to nonprofit institutions = payments for development and research contracts. For example, it includes payments for foster home care supervised by private agencies.

Business payments to individuals = personal-injury liability payments, cash prizes, and pension benefits financed by the Pension Benefit Guarantee Corporation.