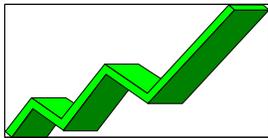
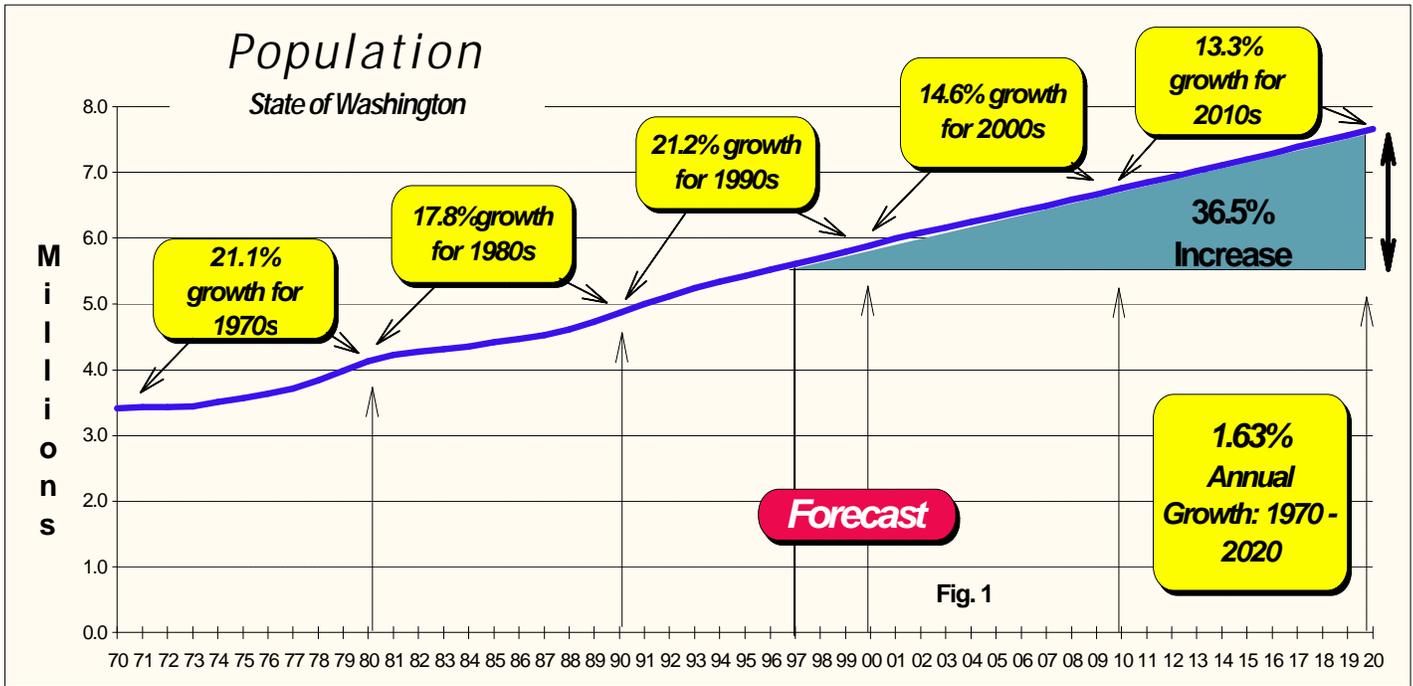


1 - demographics



1 - 1 growing population

1-1 Growing Population



Source: OFM Fall 1997 Population Forecast

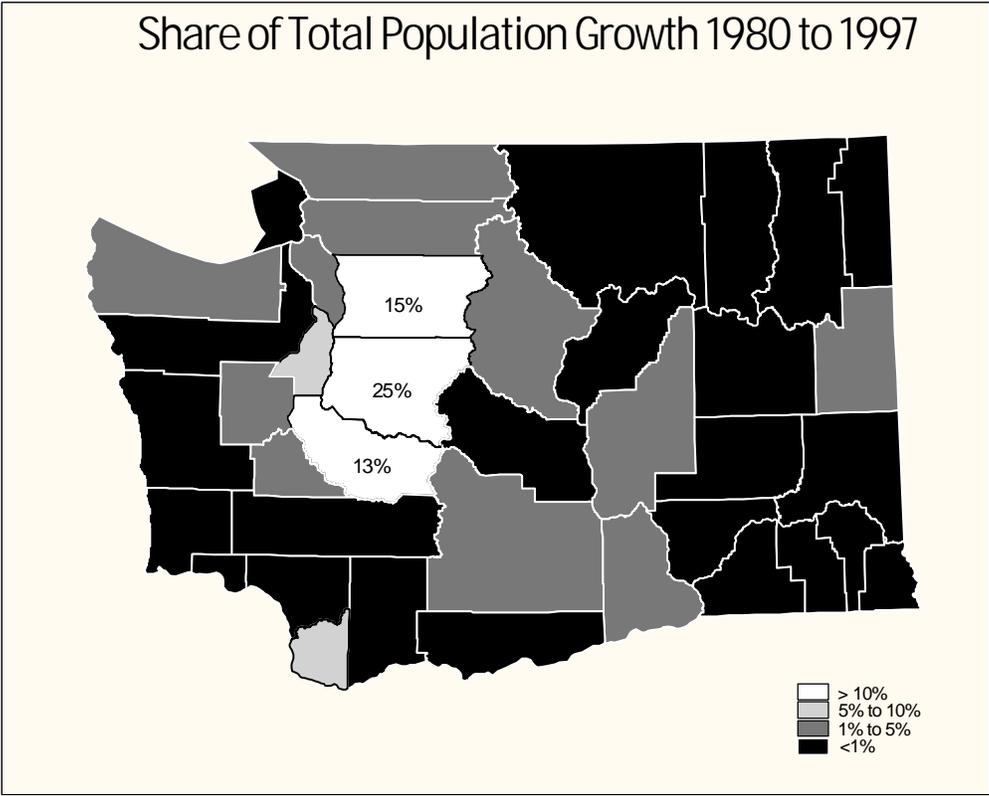
TREND

The state's population has been rising at a steady rate of 1.6% per year. Each decade has seen a significant jump in the population. From 1970 to 1997, the increase in the population was 64.3% or 3.4 million to 5.6 million. Washington's services and goods-producing sectors generally kept the demand for labor high. The in-migration which occurred also provided businesses with a large pool of labor to draw from.

FUTURE

The national rate is expected to slow down from previous decades, but Washington's population growth will translate directly to higher new levels - a 36.5% increase from 1997 to the year 2020. This is an increase of 2.0 million people from 5.6 million total in 1997 to 7.6 million total by 2020. Net in-migration will result in more than half the population growth by 2020.

1-1 Growing Population - By County

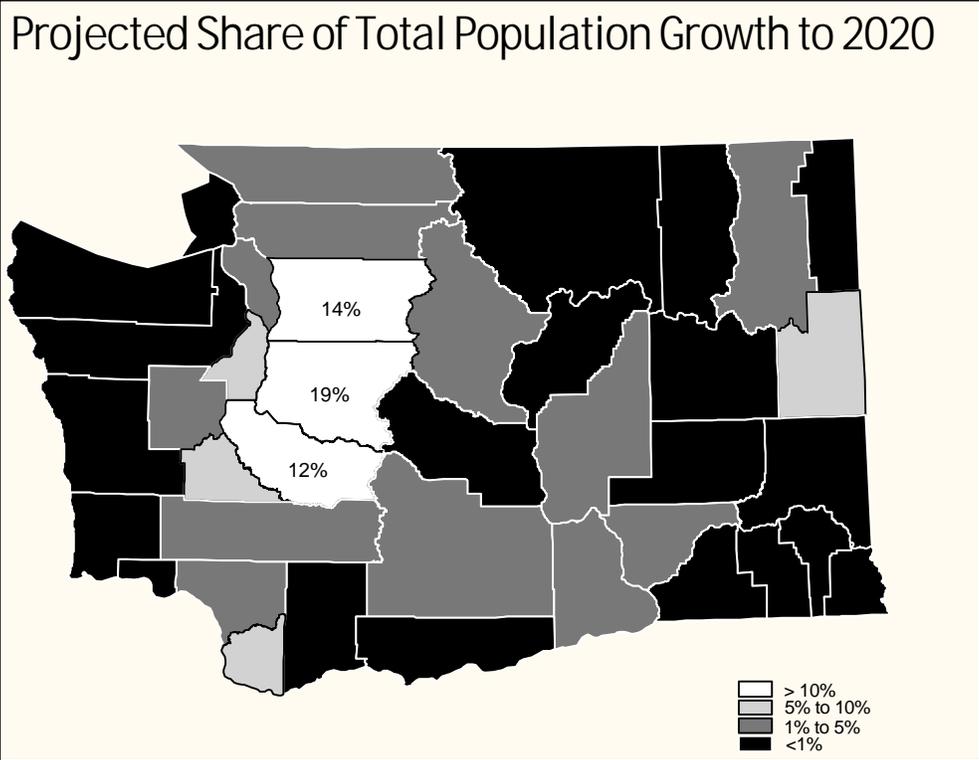


Source: From OFM Forecast

TREND

Between 1980 and 1997, the population increased by 1.5 million. King County accounted for 25% of this increase, followed by Snohomish County (15%) and Pierce County (13%). Additional high growth counties were Clark (8.4%), Kitsap (6.5%), Thurston (4.9%) and Spokane (4.6%).

1-1 Growing Population - By County



Source: From OFM Forecast

FUTURE

From 1997 to 2020, the population is expected to increase by 2 million. King, Snohomish and Pierce counties will experience the highest share of this increase with a combined three county total of 45 percent. The population growth will also be distributed more widely across the state. Counties capturing a high share of the increases will be Clark (6.8%), Spokane (6.8%), Thurston (6%) and Kitsap (5.3%).

1-1 Population Growth in Counties Table 1

	1980	1997	Increase	% of	1990	2020	Increase	% of
				Statewide Increase				Statewide Increase
Adams	13,267	15,800	2,533	0.17%	13,603	20,997	7,394	0.27%
Asotin	16,823	19,700	2,877	0.20%	17,605	24,766	7,161	0.26%
Benton	109,444	134,100	24,656	1.67%	112,560	181,806	69,246	2.52%
Chelan	45,061	62,200	17,139	1.16%	52,250	86,213	33,963	1.24%
Clallam	51,648	66,400	14,752	1.00%	56,204	82,477	26,273	0.96%
Clark	192,227	316,800	124,573	8.45%	238,053	425,502	187,449	6.83%
Columbia	4,057	4,200	143	0.01%	4,024	4,970	946	0.03%
Cowlitz	79,548	92,000	12,452	0.84%	82,119	134,122	52,003	1.90%
Douglas	22,144	30,800	8,656	0.59%	26,205	45,969	19,764	0.72%
Ferry	5,811	7,300	1,489	0.10%	6,295	9,986	3,691	0.13%
Franklin	35,025	43,900	8,875	0.60%	37,473	65,152	27,679	1.01%
Garfield	2,468	2,400	-68	0.00%	2,248	2,726	478	0.02%
Grant	48,522	68,300	19,778	1.34%	54,758	92,878	38,120	1.39%
Grays Harbor	66,314	68,300	1,986	0.13%	64,175	86,309	22,134	0.81%
Island	44,048	71,600	27,552	1.87%	60,195	106,649	46,454	1.69%
Jefferson	15,965	26,300	10,335	0.70%	20,406	44,822	24,416	0.89%
King	1,269,898	1,646,200	376,302	25.52%	1,507,319	2,030,674	523,355	19.08%
Kitsap	147,152	229,400	82,248	5.58%	189,731	337,602	147,871	5.39%
Kittitas	24,877	31,500	6,623	0.45%	26,725	42,241	15,516	0.57%
Klickitat	15,822	19,000	3,178	0.22%	16,616	25,074	8,458	0.31%
Lewis	56,025	68,300	12,275	0.83%	59,358	92,395	33,037	1.20%
Lincoln	9,604	9,800	196	0.01%	8,864	12,351	3,487	0.13%
Mason	31,184	47,900	16,716	1.13%	38,341	70,565	32,224	1.17%
Okanogan	30,663	38,400	7,737	0.52%	33,350	48,385	15,035	0.55%
Pacific	17,237	21,300	4,063	0.28%	18,882	28,628	9,746	0.36%
Pend Oreille	8,580	11,200	2,620	0.18%	8,915	16,055	7,140	0.26%
Pierce	485,667	674,300	188,633	12.79%	586,203	916,848	330,645	12.05%
San Juan	7,838	12,500	4,662	0.32%	10,035	21,110	11,075	0.40%
Skagit	64,138	96,900	32,762	2.22%	79,555	152,812	73,257	2.67%
Skamania	7,919	9,900	1,981	0.13%	8,289	12,809	4,520	0.16%
Snohomish	337,720	551,200	213,480	14.48%	465,642	836,992	371,350	13.54%
Spokane	341,835	409,900	68,065	4.62%	361,364	547,959	186,595	6.80%
Stevens	28,979	37,400	8,421	0.57%	30,948	58,503	27,555	1.00%
Thurston	124,264	197,600	73,336	4.97%	161,238	324,911	163,673	5.97%
Wahkiakum	3,832	3,900	68	0.00%	3,327	5,490	2,163	0.08%
Walla Walla	47,435	54,000	6,565	0.45%	48,439	67,519	19,080	0.70%
Whatcom	106,701	156,200	49,499	3.36%	127,780	224,391	96,611	3.52%
Whitman	40,103	41,200	1,097	0.07%	38,775	49,705	10,930	0.40%
Yakima	172,508	208,700	36,192	2.45%	188,823	271,726	82,903	3.02%
State Total	4,132,353	5,606,800	1,474,447	100.00%	4,866,692	7,610,089	2,743,397	100.00%

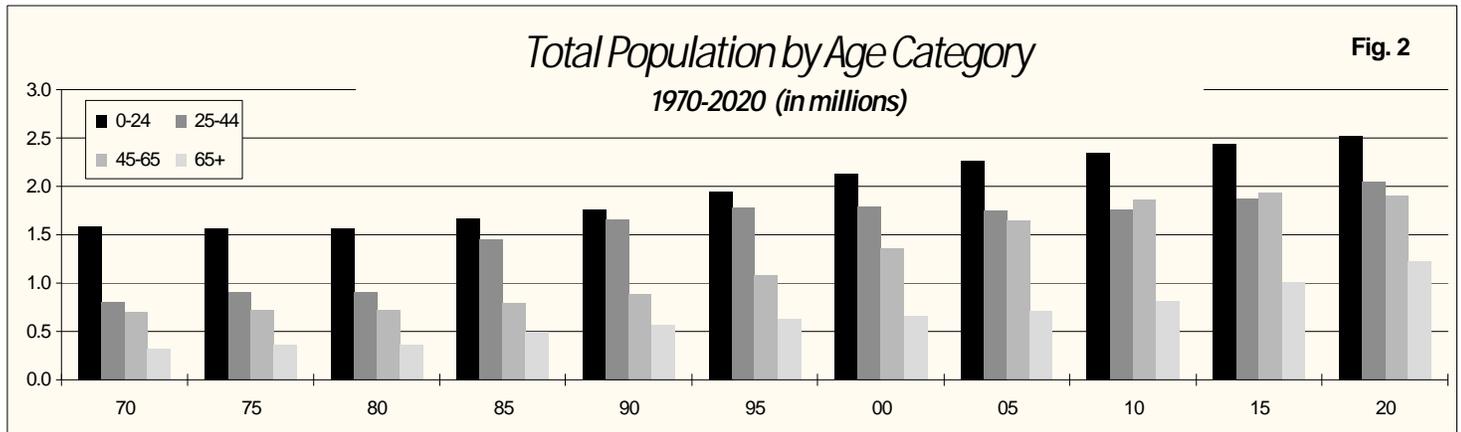
Percentages Table 2

	1980-1997	1990-2020	
	Annual Growth	Total Growth	Annual Growth
Adams	0.98%	19.09%	1.41%
Asotin	0.88%	17.10%	1.11%
Benton	1.14%	22.53%	1.56%
Chelan	1.81%	38.04%	1.63%
Clallam	1.41%	28.56%	1.24%
Clark	2.81%	64.81%	1.89%
Columbia	0.19%	3.52%	0.68%
Cowlitz	0.81%	15.65%	1.60%
Douglas	1.85%	39.09%	1.83%
Ferry	1.28%	25.62%	1.50%
Franklin	1.26%	25.34%	1.80%
Garfield	-0.16%	-2.76%	0.62%
Grant	1.92%	40.76%	1.72%
Grays Harbor	0.16%	2.99%	0.96%
Island	2.74%	62.55%	1.86%
Jefferson	2.81%	64.74%	2.57%
King	1.45%	29.63%	0.97%
Kitsap	2.50%	55.89%	1.88%
Kittitas	1.32%	26.62%	1.49%
Klickitat	1.02%	20.09%	1.34%
Lewis	1.11%	21.91%	1.44%
Lincoln	0.11%	2.04%	1.08%
Mason	2.41%	53.60%	1.99%
Okanogan	1.26%	25.23%	1.21%
Pacific	1.18%	23.57%	1.35%
Pend Oreille	1.49%	30.54%	1.92%
Pierce	1.84%	38.84%	1.45%
San Juan	2.63%	59.48%	2.43%
Skagit	2.32%	51.08%	2.13%
Skamania	1.25%	25.02%	1.41%
Snohomish	2.76%	63.21%	1.91%
Spokane	1.01%	19.91%	1.35%
Stevens	1.43%	29.06%	2.08%
Thurston	2.61%	59.02%	2.29%
Wahkiakum	0.10%	1.77%	1.63%
Walla Walla	0.72%	13.84%	1.08%
Whatcom	2.14%	46.39%	1.83%
Whitman	0.15%	2.74%	0.80%
Yakima	1.06%	20.98%	1.18%



1-2 aging population

1-2 Total Population by Age Category: 1970 - 2020



Source: From OFM Forecast

Age	In Millions											1970-2020
	1970	1975	1980	1985	1990	1995	2000	2005	2010	2015	2020	Total Change
0-24	1.5865	1.5687	1.6937	1.6711	1.7582	1.9457	2.1230	2.2595	2.3500	2.4331	2.5183	58.7%
25-44	0.8073	0.9114	1.2319	1.4501	1.6564	1.7771	1.7883	1.7530	1.7651	1.8779	2.0469	153.5%
45-65	0.6987	0.7266	0.7750	0.7968	0.8807	1.0797	1.3516	1.6450	1.8651	1.9347	1.9031	172.4%
65+	0.3207	0.3612	0.4316	0.4977	0.5714	0.6274	0.6660	0.7145	0.8197	1.0034	1.2338	284.7%
Totals	3.4132	3.5679	4.1322	4.4158	4.8667	5.4299	5.9289	6.3720	6.8000	7.2491	7.7021	

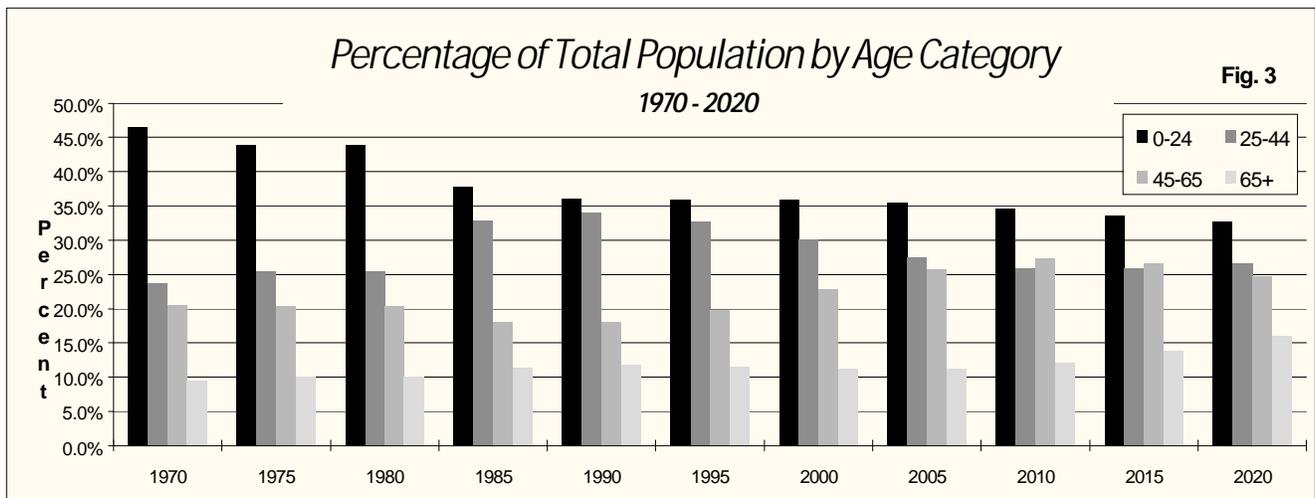
TREND

The general population continued to increase mainly as a result of net in-migration. As this growing population ages, the number of individuals in all age categories also increases. However, the older age categories experienced the greatest increase. Those in the age categories (25-44, 45-65, and 65+) combined to nearly double from 1.8 million in 1970 to 3.4 million in 1995. Those 45-65 and 65+ combined to number one million in 1970. By 1995, this group numbered 1.7 million.

FUTURE

By 2020, the total number of individuals in the age category (25-44) will double; those in the (45-65) population will nearly triple; and those (65+) will quadruple their population. Those 45-65 and 65+ whose combined total numbered 1.7 million in 1995 will total 3.1 million by 2020. This group will comprise 40.7 percent of the population.

1-2 Total Population by Age Category: 1970 - 2020



Source: From OFM Forecast

Age	1970	1975	1980	1985	1990	1995	2000	2005	2010	2015	2020	% Change
0-24	46.5%	43.9%	41.0%	37.8%	36.1%	35.8%	35.8%	35.4%	34.5%	33.6%	32.7%	-13.8%
25-44	23.6%	25.5%	29.8%	32.8%	34.0%	32.7%	30.2%	27.5%	25.9%	25.9%	26.6%	2.9%
45-65	20.5%	20.4%	18.7%	18.0%	18.1%	19.9%	22.8%	25.8%	27.4%	26.7%	24.7%	4.2%
65+	9.4%	10.1%	10.4%	11.3%	11.7%	11.5%	11.2%	11.2%	12.1%	13.8%	16.0%	6.6%

TREND

The median age increased from 28 years in 1970 to 32.9 in 1990, and will reach 35.7 in the year 2000. Though the actual population of individuals in every age group increased, the composition of the population changed. Those in the youngest age category (0-24) comprised 46.5% of the population in 1970. However, by 1995, the proportion of this group decreased to 35.8% of the population. The most dramatic shift was seen among those entering the 25-44 age group. In 1970, this group comprised 23.6% of the population, and by 1995, they were 32.7% of the population.

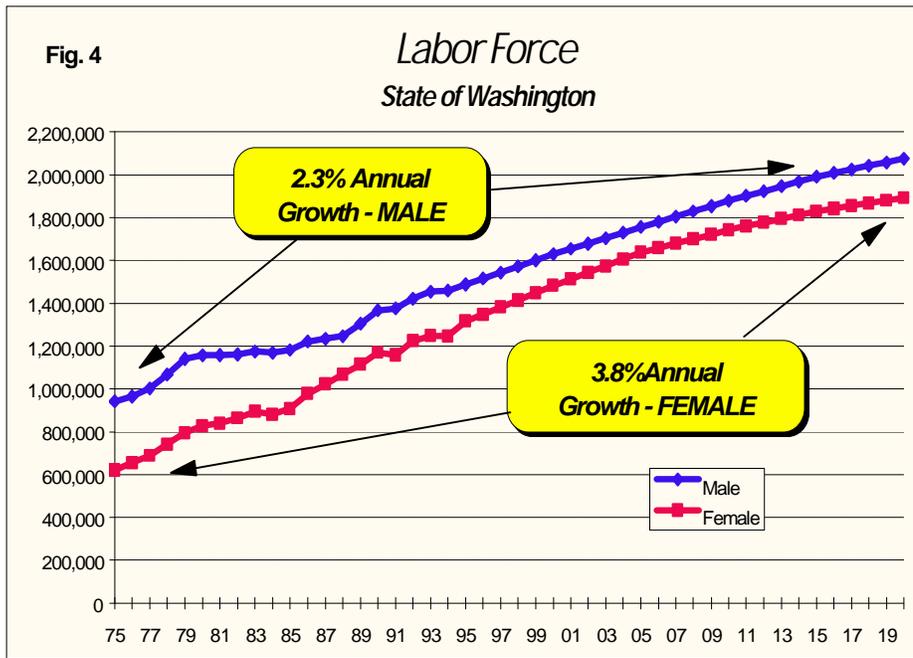
FUTURE

By 2020, individuals in the 0-24 age group will be entering the next age group, but at a lower rate reflecting the smaller proportion of this age group. The largest change will be among those in the 45-65 and 65+ age group who will make up 40.7% of the population.



1 - 3 growing economy

1-3 Washington's Labor Force



TREND

From 1975 to 1997, Washington's labor force grew at an annual rate of 3.2% while the national average was 1.9%. The labor force is made up of persons between 16 and 65 who are employed and also those who are unemployed and actively looking for work. A significant labor market phenomenon is the increase in female labor force participation which made up almost half the labor force and grew at an annual rate of 4.1% compared with 2.5% for males from 1975 to 1997.



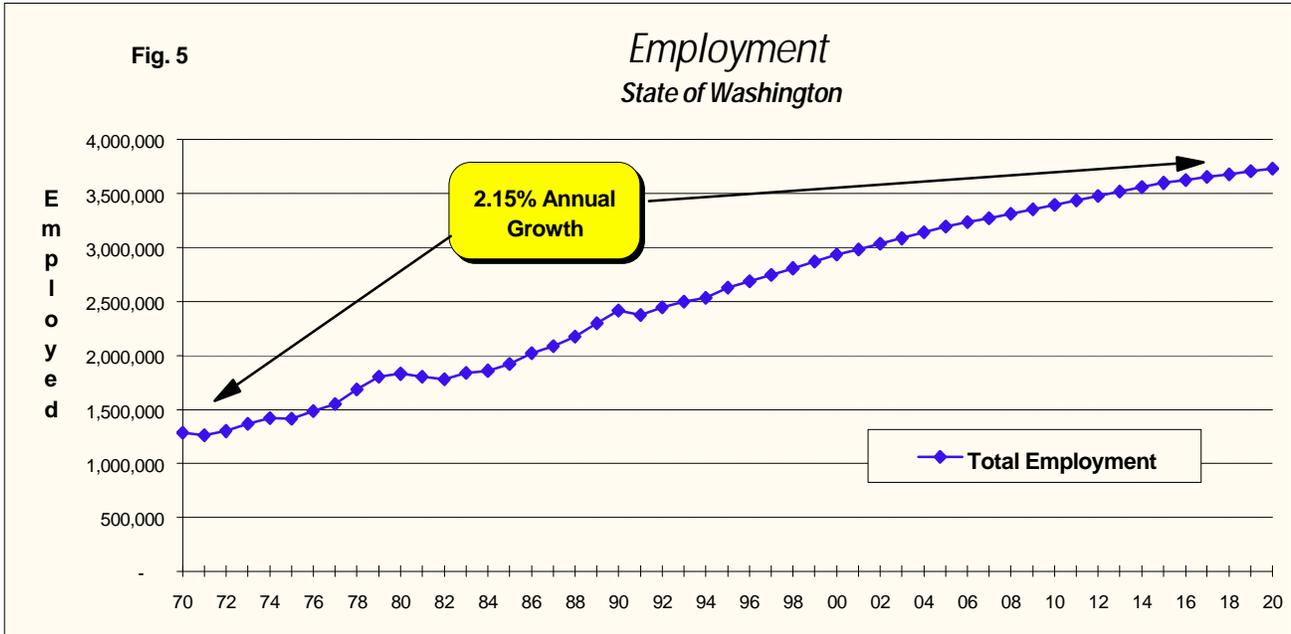
Source: "1997 Long-Term Economic & Labor Force Forecast for Washington," OFM & ESD

FUTURE

Washington's total labor force will increase by 35.7% between 1997 and 2020. An additional 1.0 million workers are expected by 2020 bringing the total workforce from 3.0 million in 1997 to 4.0 million by 2020. The growth in labor force from 1997 to 2020 will average 1.3 percent annually. The labor force participation rate in the state will start decreasing around 2005 from 70.3 to 67.0 by 2020.* Most of the decline will occur during the 2010-2020 decade when baby boomers retire early (before 65 years). The portion of the population 65 + years of age will increase much faster than before, and more so for those aged 75 and above.

Note: Labor Force Participation rate = Labor Force / Total 16 & Over (OFM)

1-3 Employment



Source: "1997 Long-Term Economic & Labor Force Forecast for Washington," OFM & ESD.

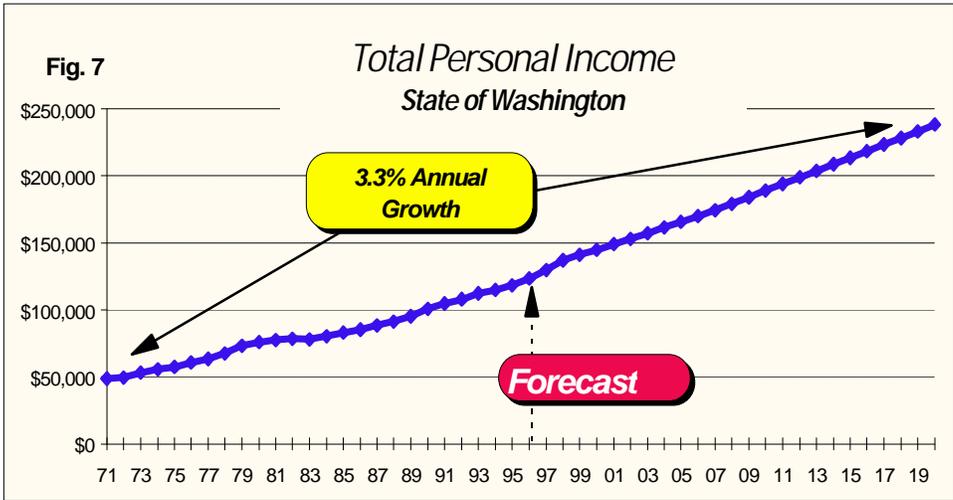
TREND

The state's population is expected to increase 1.6% per year. However, employment is expected to increase at 2.15% a year. From 1990 to 1995, an average of 42,680 new workers per year found jobs in Washington. Women entering the market changed the composition of the workforce from one-third of the total labor market in 1950 to almost one-half by the year 2000. The past 25 years from 1970 to 1995 has seen a doubling in employment from 1.3 million to 2.6 million jobs. Between 1995 and 2020, 1.1 million jobs will be added to Washington's economy.

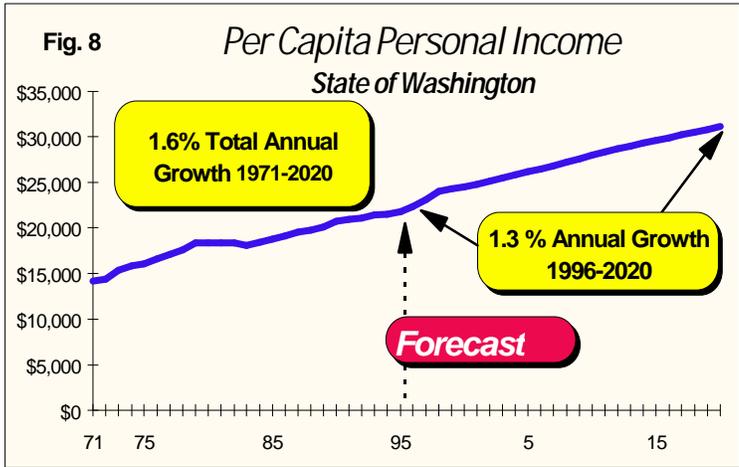
FUTURE

A total of 1.1 million jobs are expected in Washington from 1995 to 2020. The forecast is for the period from 1995 in which 2.6 million jobs were in the state, to 2020 when a total of 3.7 million jobs are anticipated.

1-3 Personal Income



Source: Bureau of Economic Analysis, Economic and Revenue Forecast Council, Economics Branch, WSDOT



Source: Bureau of Economic Analysis, Economic and Revenue Forecast Council; Economics Branch, WSDOT

TREND

In 1970, Washington had a 1.7% share of the total personal income in the nation. The economic ups and downs seemed to have abated since the mid-1980s. In 1995, total personal income in Washington was \$118.4 billion. This was two and a half times the \$48.6 billion in 1970. Washington's share in 1995 accounted for 2.1% of the total personal income in the nation, and increased faster than the national average.

FUTURE

The increased share of personal income reflects the vitality of Washington's economic growth. By 2020, about 2.5% of the nation's total personal income will be generated in Washington. The trend is toward more stable income growth and the growing importance of more diversified metropolitan communities. The rise in per capita personal income in constant dollars from 1995 to 2020 is 1.3% per year, or from \$21,801 (1995) to \$31,127 (2020). The 2020 forecast is over 3 percent higher than the national average.

1-3 Growth Trends: Employment

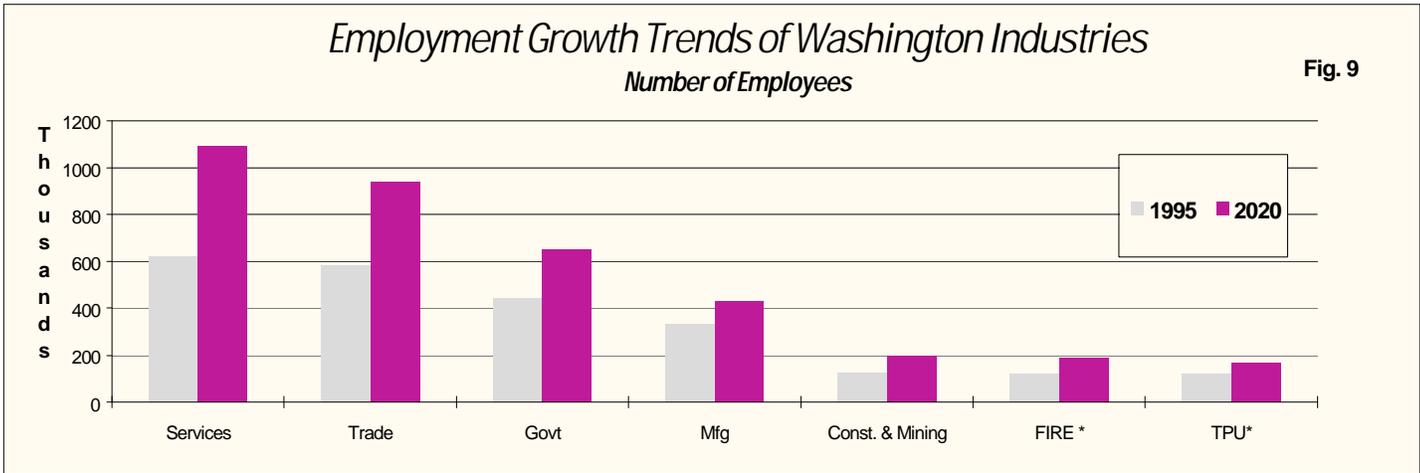


Fig. 9

* FIRE = Finance, Insurance, Real Estate; TPU = Transportation & Public Utilities

Source: U.S. Census Bureau

	Services	Trade	Govt	Mfg	Constr. & Mining	FIRE*	TPU*	Totals
1995 (thousands)	622.1	582.8	443.9	332	126	121.5	120.1	2348.4
% of Total	26.5%	24.8%	18.9%	14.1%	5.4%	5.2%	5.1%	100.0%
1970-1995 Annual Growth	5.1%	3.5%	2.3%	5.1%	3.5%	2.3%	2.0%	3.2%
2020 (thousands)	1092.596	938.48	651.276	428.304	199.84	187.124	169.916	3667.536
% of total	29.8%	25.6%	17.8%	11.7%	5.4%	5.1%	4.6%	100.0%
1995-2020 Annual Growth	2.0%	1.7%	1.4%	0.9%	1.7%	1.6%	1.3%	1.7%

TREND

By 2020, services and trade will account for 55 percent of the total jobs in the state, and 62 percent of the total job increase.

FUTURE

The outlook for aerospace, machinery and instrument production in the state is bright and growth is expected to increase 37 percent from 1995 to 2020. This sector will account for 17 percent of the total jobs in the state.

1-3 Growth Trends: Employment

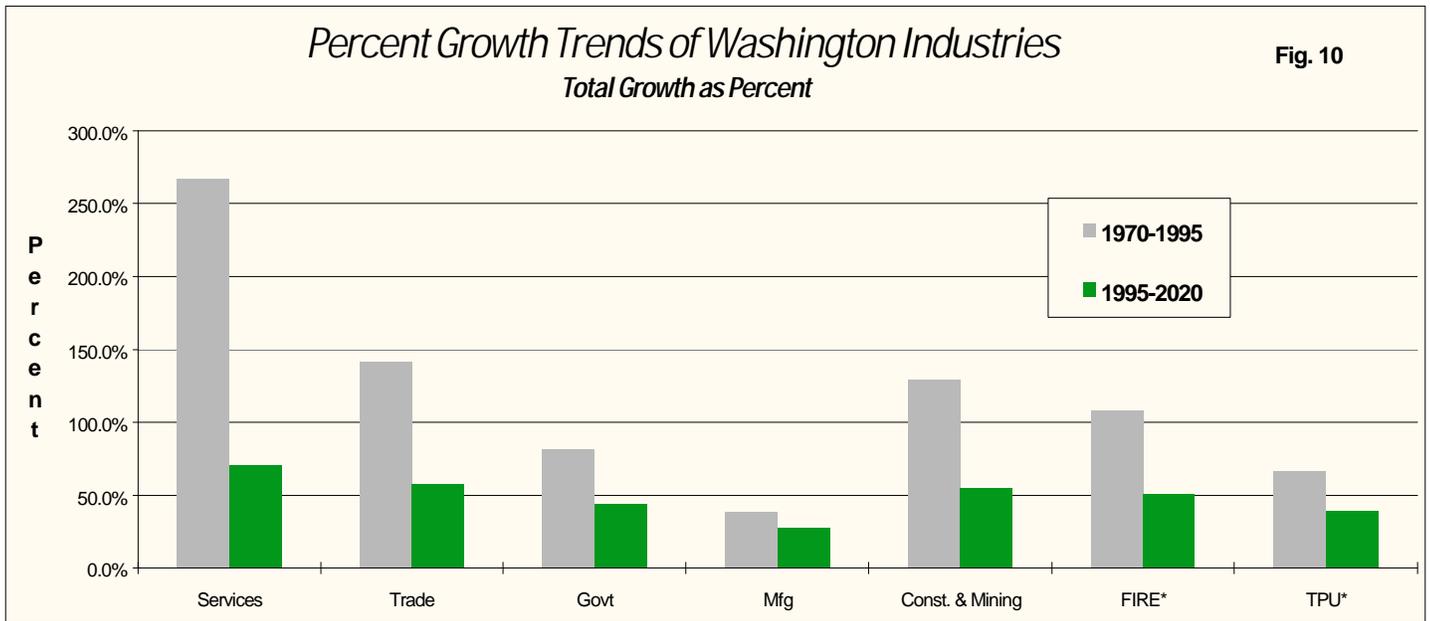


Fig. 10

Source: U.S. Census Bureau

* FIRE = Finance, Insurance, Real Estate; TPU = Transportation & Public Utilities

	Services	Trade	Govt	Mfg	Constr. & Mining	FIRE*	TPU*
1970-1995	266.6%	142.0%	81.6%	38.7%	129.1%	108.0%	66.3%
1995-2020	70.7%	57.3%	44.1%	27.6%	55.1%	50.9%	39.3%

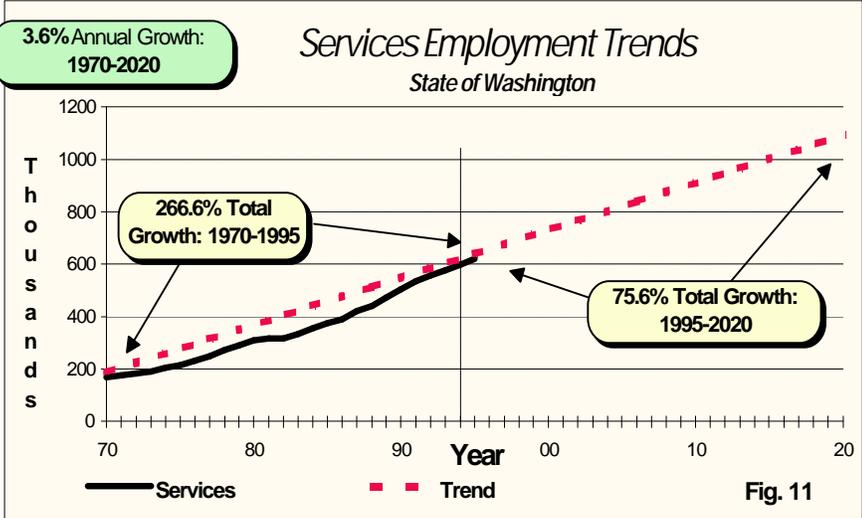
TREND

The fastest growth in the economy between 1970 and 1995 took place in the services and trade industries. Services grew 266.6% and trades reached 142%. Construction and mining experienced a similar rapid growth of 129%. Growth in manufacturing showed a strong steady growth of 387% for that period.

FUTURE

By 2020, employment in Washington industries v stabilize and this is reflected in relatively more ev growth rates. In the charts to follow, trends are illustrated for these major industries in the state.

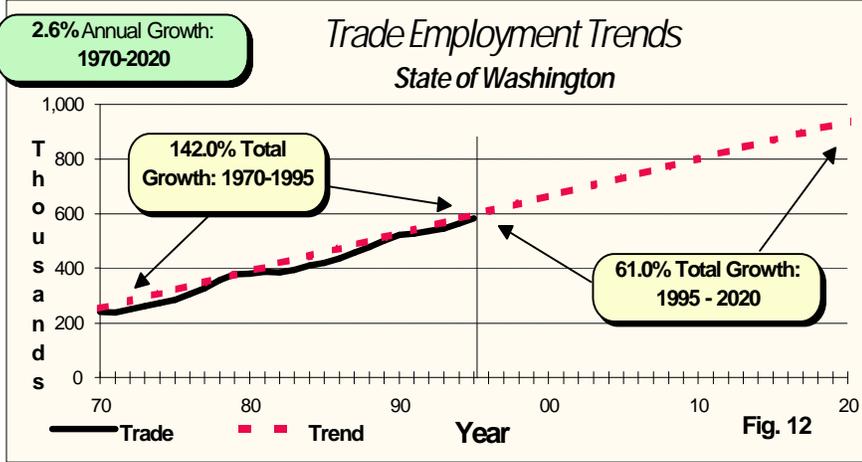
1-3 Trends - Services & Trade



Source: U.S. Census Bureau

	Services Number
1970	169,700
1995	622,100
Change	452,400
% Change	266.6%

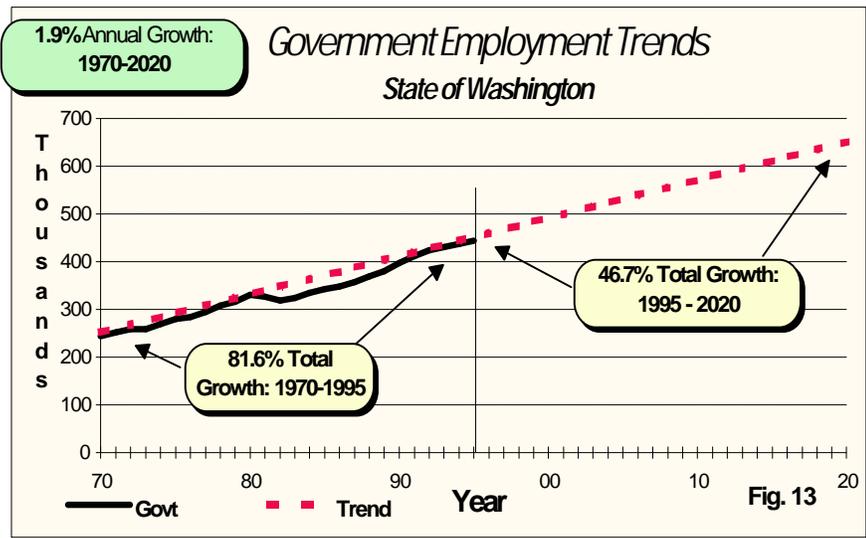
1995	622,100
2020	1,092,596
Change	470,496
% Change	75.6%



	Trade Number
1970	240,800
1995	582,800
Change	342,000
% Change	142.0%

1995	582,800
2020	938,480
Change	355,680
% Change	61.0%

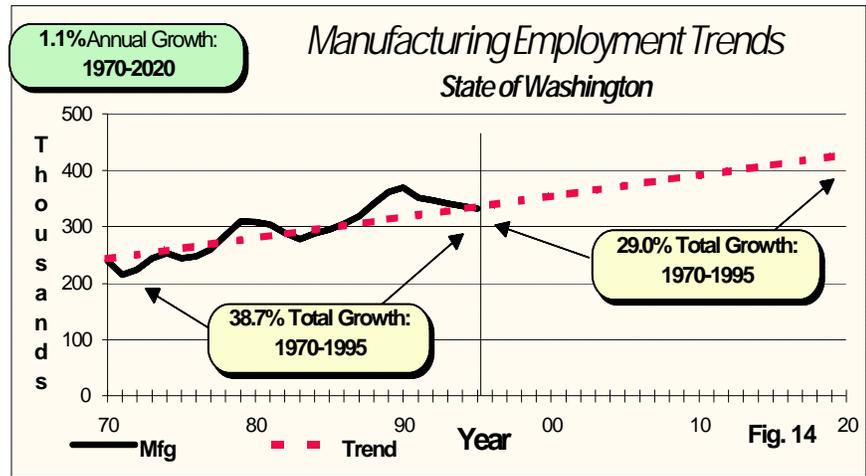
1-3 Trends - Govt. & Mfg.



Source: U.S. Census Bureau

Government	
	Number
1970	244,500
1995	443,900
Change	199,400
% Change	81.6%

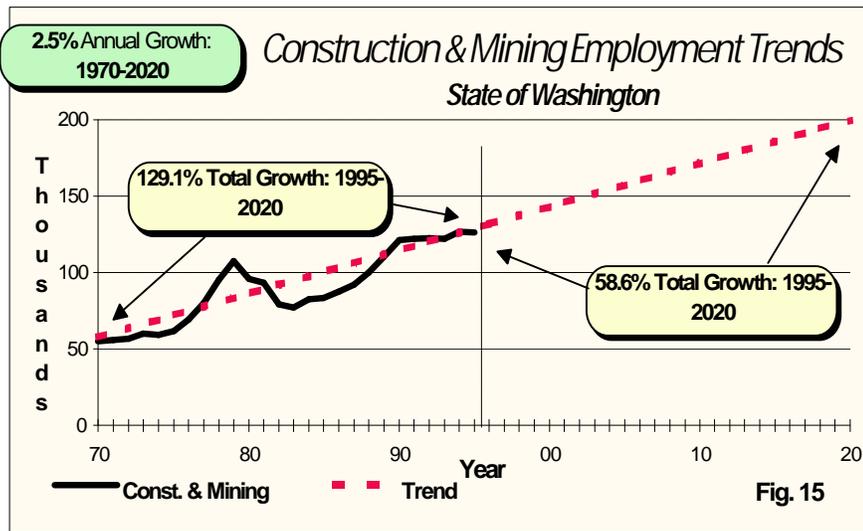
1995	443,900
2020	651,276
Change	207,376
% Change	46.7%



Manufacturing	
	Number
1970	239,400
1995	332,000
Change	92,600
% Change	38.7%

1995	332,000
2020	428,304
Change	96,304
% Change	29.0%

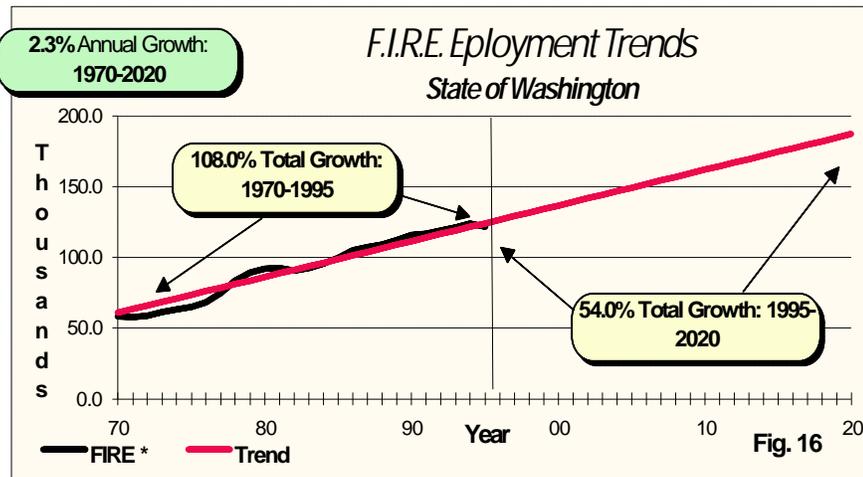
1-3 Trends - Constr., Mining, F.I.R.E.*



Source: U.S. Census Bureau

Const&Mining	
Number	
1970	55,000
1995	126,000
Change	71,000
% Change	129.1%

1995	126,000
2020	199,840
Change	73,840
% Change	58.6%

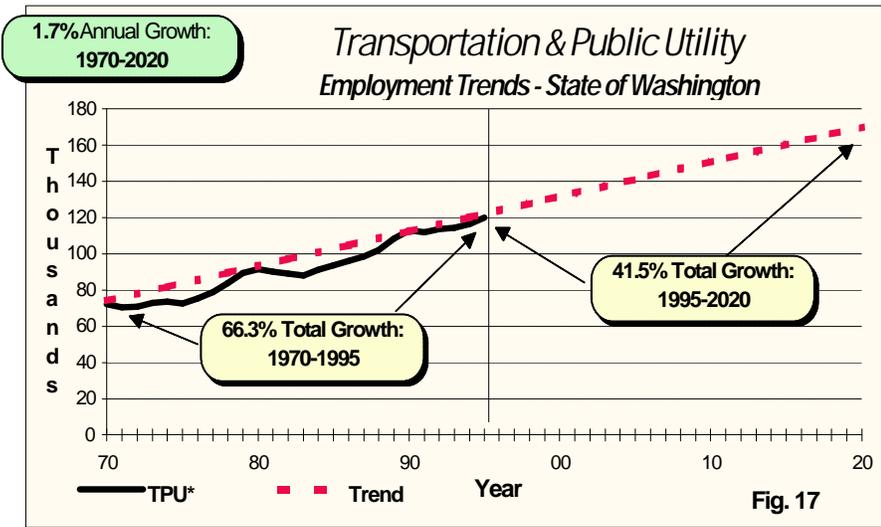


F.I.R.E.*	
Number	
1970	58,400
1995	121,500
Change	63,100
% Change	108.0%

1995	121,500
2020	187,124
Change	65,624
% Change	54.0%

* FIRE: Finance, Insurance, Real Estate

1-3 Trends - Transp. & Pub. Util.

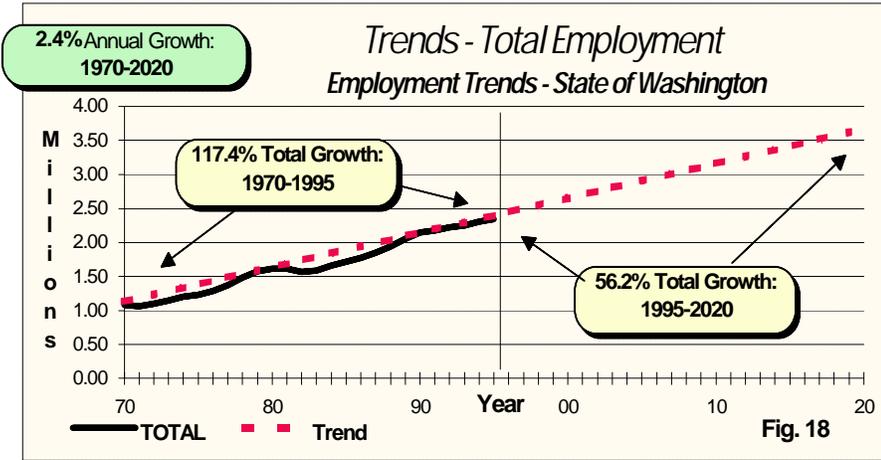


	TPU* Number
1970	72,200
1995	120,100
Change	47,900
% Change	66.3%

1995	120,100
2020	169,916
Change	49,816
% Change	41.5%

* TPU: Transportation and Public Utilities

Source: U.S. Census Bureau



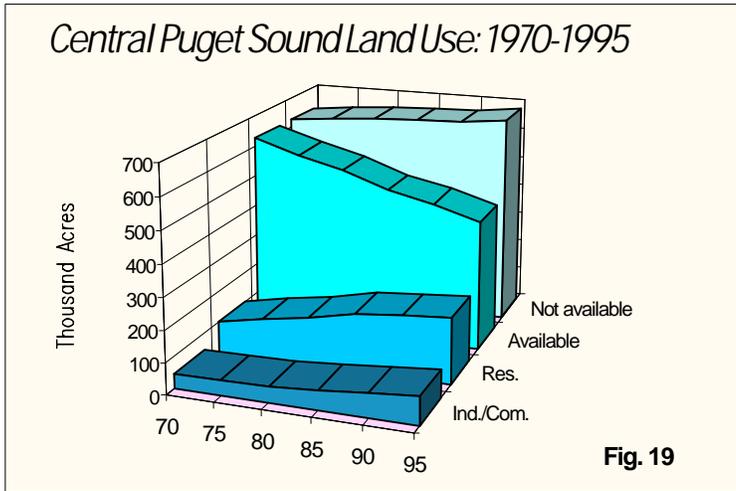
	Total Number
1970	1,080,000
1995	2,348,400
Change	1,268,400
% Change	117.4%

1995	2,348,400
2020	3,667,536
Change	1,319,136
% Change	56.2%

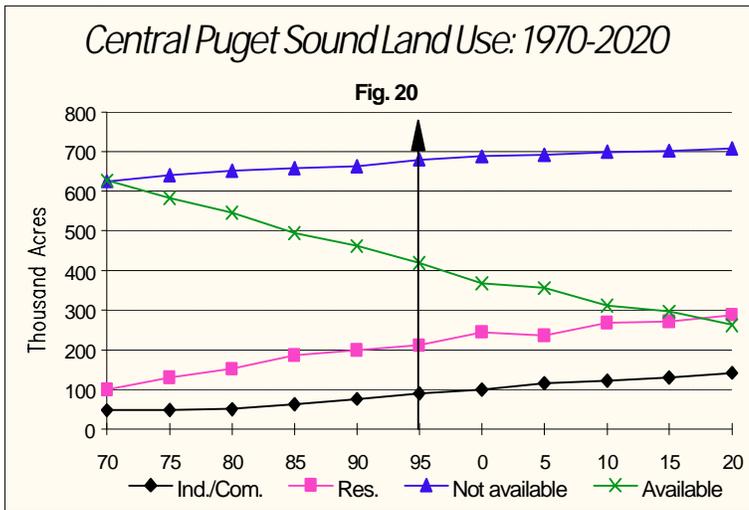


1-4 land use

1-4 Land Use



Source: Puget Sound Regional Council



Source: Puget Sound Regional Council

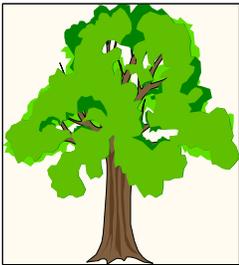
TREND

Between 1970 and 1995, the amount of land taken up by housing and business developments in the central Puget Sound area doubled. Totals for housing went from 100,000 acres in 1970 to 211,000 acres in 1995. During the same period, businesses went from 47,000 acres to 90,000 acres. Past trends indicate that population, employment and retail uses were spread out. Studies confirm that the pattern of past land use trends are linked to greater auto use. Average trip distances have also been increasing. In 1983, the average trip distance was 8.4 miles. In 1990, this figure was 9.5 miles.

FUTURE

More attention will focus instead on the importance of suburbs as locations of population, employment and retail growth. Trip distances will not continue to increase indefinitely, but will taper off because the amount of time spent driving will become a constraining factor. From 1970 to 2020, the industrial / commercial use of land is expected to increase 2.2% annually, residential use 2.1% annually, and land not available for development 0.3%

1-4 Balance / Density



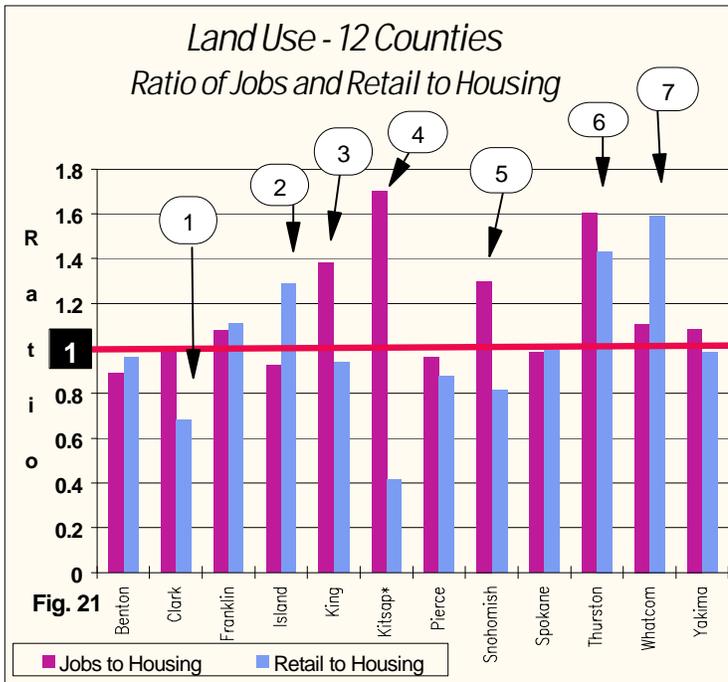
TREND

In 1990, seven of twelve counties had communities where imbalances occurred in the number of jobs and retail outlets to housing available in the community. Those counties are shown in the chart. If a community has more jobs or retail outlets than housing available, then they are in a position to influence trips from outside the community whose purposes are to work and shop where jobs and retail outlets are available. Seven counties (see chart) had communities where out-commuting or in-commuting

had to take place because of an imbalance in the ratio of jobs or retail outlets to housing.

FUTURE

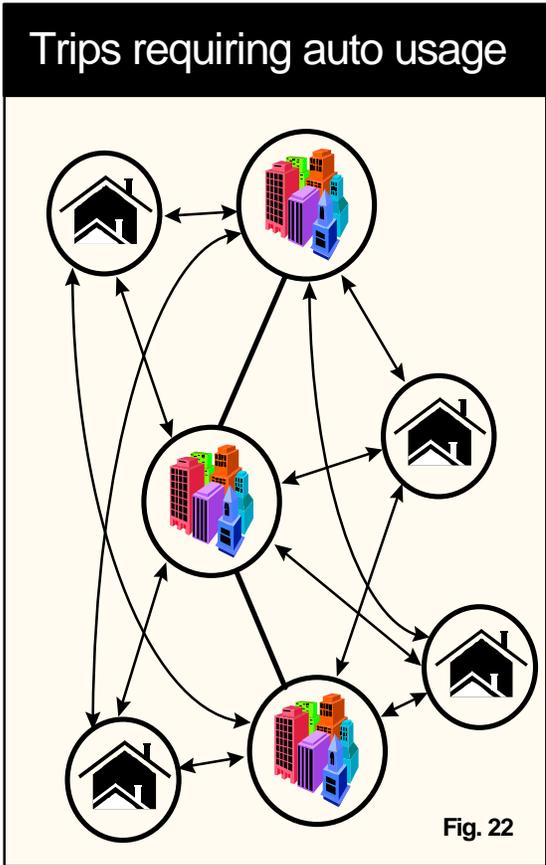
A community with lots of jobs and retail outlets but short on available housing jobs, will tend to generate trips from neighbors. A community with lots of available housing but few jobs and retail outlets also tends to generate trips to neighboring areas for jobs and retail activities necessitating an automobile. A community that is relatively balanced in these resources reduces the necessity of travel to other communities to satisfy job or retail needs. Attention is focused on suburbs as locations of population and employment growth, and planning communities with a balance of jobs, housing and retail activities within it.



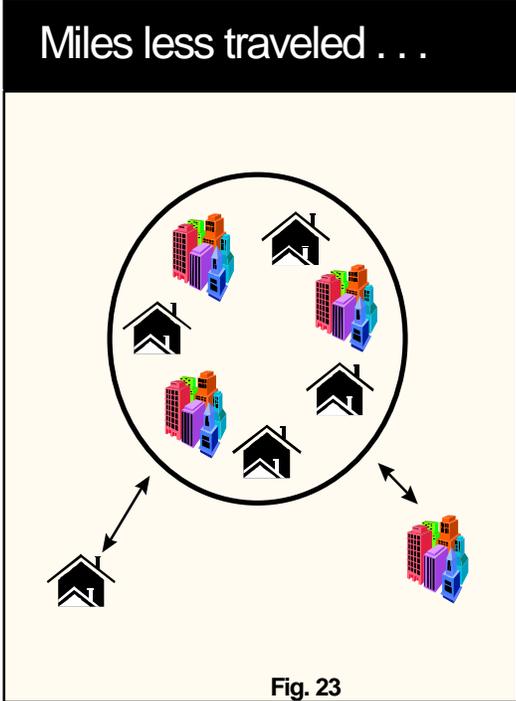
Source: Land Use Trends Affecting Auto Dependence in Washington's Metropolitan Areas, WSDOT, July 1995.

* Kitsap County: The affect of the Navy base may be in evidence here.

1-4 Land Use & Travel



- Current land use practices
- Spread of land usage
 - Longer auto trips



- Alternative land use practices
- Concentrated land use
 - Balance of resources
 - Shorter auto trips