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Real Per Capita Personal Income in Constant 2000 Dollars

Metropolitan Regions	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
	Actual									Forecast	
Atlanta, GA	26,992	26,788	27,838	28,055	28,738	29,409	30,210	31,136	32,380	33,358	33,933
Austin-San Marcos, TX	23,378	23,372	24,013	24,293	24,969	25,706	26,156	27,934	30,903	32,423	33,439
Baltimore, MD	27,673	27,320	27,514	27,617	27,973	28,495	28,731	30,058	31,267	32,294	32,774
Boston, MA-NH NECMA	31,571	30,836	31,594	31,699	32,725	33,441	34,304	35,319	36,859	38,265	39,387
Denver-Boulder, CO	31,236	31,431	31,567	31,976	32,029	32,728	33,353	34,535	36,097	37,150	38,343
Houston, TX	26,171	26,528	27,074	27,043	26,968	28,198	29,203	30,920	32,750	33,635	34,165
Miami-Ft Lauderdale, FL	26,448	25,865	24,843	26,254	25,983	26,174	26,251	26,139	26,911	27,343	27,506
Minneapolis-St.Paul, MN	30,461	30,515	31,169	31,065	31,735	32,587	33,323	34,526	36,226	36,819	37,423
Norfolk-Va Beach VA	23,489	23,416	23,687	23,553	23,655	23,512	23,997	24,447	25,281	25,790	26,089
Orange, CA	32,077	31,019	30,997	30,040	30,200	30,755	31,492	32,787	34,443	35,806	37,292
Phoenix-Mesa, AZ	24,639	23,954	23,815	23,840	24,738	25,533	26,199	27,189	28,244	28,613	28,950
Pittsburgh, PA	27,247	27,538	28,000	28,094	28,020	28,786	29,636	31,198	32,901	33,533	34,165
Portland-Salem, OR-WA	28,135	27,652	27,571	27,904	28,456	29,348	29,793	30,453	31,289	31,626	32,572
Raleigh-Durham, NC	26,904	26,711	27,770	28,223	28,536	28,895	29,299	30,707	32,177	32,749	33,486
Sacramento, CA	26,761	26,114	26,203	25,778	26,451	27,241	27,290	27,963	29,084	30,018	30,852
San Diego, CA	27,703	27,257	27,289	27,076	27,018	27,525	28,086	29,045	30,280	30,936	31,357
San Francisco, CA	42,606	41,880	41,777	41,649	42,386	44,573	46,765	47,819	49,340	50,358	52,348
San Jose, CA	35,396	35,151	36,388	35,632	36,423	38,789	40,493	42,494	44,565	45,955	48,602
Seattle-Tacoma, WA	33,616	33,473	34,134	33,728	33,909	34,352	35,484	36,925	39,173	40,842	41,510
Tampa-St. Pete., FL	24,524	24,098	24,493	24,609	24,997	25,929	26,909	28,106	28,855	29,380	29,721
Washington, DC	33,766	33,442	33,965	34,264	34,866	35,675	35,305	36,672	38,325	39,607	40,620
California	28,960	27,981	27,950	27,398	27,406	27,856	28,294	28,925	30,014	30,905	32,142
United States	25,370	25,086	25,426	25,301	25,534	26,303	26,537	27,252	28,303	28,951	29,501
Source:	Nominal per capita income: DRI; Bureau of Economic Analysis; U.S. Census Bureau; Bureau of Labor Statistics										
	Consumer Price Index: Bureau of Labor Statistics										
Note:	The CPI is rebased to the year 2000.										
	Nominal dollars are deflated using the CPI with 2000 as the base year.										

Per Capita Personal Income in Nominal Dollars

Metropolitan Regions	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
	Actual									Forecast	
Atlanta, GA	20,837	21,339	22,600	23,582	24,712	26,013	27,625	29,001	30,596	32,224	33,933
Austin-San Marcos, TX	17,883	18,578	19,604	20,457	21,609	22,908	24,029	26,213	29,369	31,414	33,439
Baltimore, MD	21,856	22,501	23,276	23,863	24,813	25,757	26,751	28,323	29,782	31,332	32,774
Boston, MA-NH NECMA	23,885	24,353	25,571	26,398	27,609	28,887	30,511	32,298	34,470	36,681	39,387
Denver-Boulder, CO	21,804	22,793	23,748	25,071	26,222	27,947	29,482	31,524	33,742	35,734	38,343
Houston, TX	20,468	21,522	22,667	23,395	24,117	25,565	27,025	29,155	31,178	32,435	34,165
Miami-Ft Lauderdale, FL	20,175	20,393	19,913	21,763	22,236	23,226	24,045	24,674	25,740	26,463	27,506
Minneapolis-St.Paul, MN	22,743	23,393	24,737	25,422	26,791	28,162	29,758	31,542	33,713	35,347	37,423
Norfolk-Va Beach VA	18,085	18,744	19,429	19,926	20,551	20,948	21,955	22,821	23,933	24,909	26,089
Orange, CA	25,404	25,560	26,463	26,311	26,803	27,708	28,904	30,571	32,576	34,658	37,292
Phoenix-Mesa, AZ	18,605	18,889	19,441	20,002	21,176	22,291	23,422	24,892	26,435	27,559	28,950
Pittsburgh, PA	20,468	21,522	22,667	23,395	24,117	25,565	27,025	29,155	31,178	32,435	34,165
Portland-Salem, OR-WA	20,137	20,801	21,654	22,684	23,804	25,259	26,546	28,058	29,373	30,667	32,572
Raleigh-Durham, NC	20,580	21,232	22,671	23,767	24,696	25,750	26,916	28,816	30,580	31,731	33,486
Sacramento, CA	20,207	20,592	21,390	21,628	22,642	23,782	24,397	25,601	27,221	28,912	30,852
San Diego, CA	20,974	21,382	22,004	22,307	22,835	23,610	24,721	26,010	27,646	29,244	31,357
San Francisco, CA	31,233	32,049	33,037	33,814	34,977	37,499	40,251	42,565	45,315	48,206	52,348
San Jose, CA	25,948	26,900	28,775	28,929	30,056	32,633	34,853	37,825	40,930	43,991	48,602
Seattle-Tacoma, WA	23,786	25,049	26,477	26,896	27,967	29,195	31,187	33,587	36,659	39,383	41,510
Tampa-St. Pete., FL	18,801	19,252	20,038	20,944	21,703	23,082	24,305	25,849	27,231	28,352	29,721
Washington, DC	26,662	27,497	28,619	29,788	30,901	31,721	32,811	34,355	36,366	38,356	40,620
California	21,786	21,978	22,705	22,915	23,455	24,462	25,510	26,708	28,228	29,862	32,142
United States	19,256	19,842	20,716	21,231	21,975	23,278	24,180	25,401	26,791	28,010	29,501
Source:	DRI; Bureau of Economic Analysis; U.S. Census Bureau; Bureau of Labor Statistics										

San Diego, California & US Per Capita Income

San Diego, California & US Per Capita Income													
	Nominal Per Capita Income			Real Per Capita Income in Constant 2000 Dollars			Rates of Change in Real Per Capita Income			Index of Real Per Capita Income, 1980 = 100			San Diego Minus US Growth in Real Per Capita Income
	SD	CA	USA	SD	CA	USA	SD	CA	USA	SD	CA	USA	
1980	11,083	12,000	9,901	25,516	25,181	20,691				100.0	100.0	100.0	
1981	12,348	13,166	10,944	25,052	25,043	20,732	-1.8%	-0.6%	0.2%	98.2	99.4	100.2	-2.0%
1982	13,025	13,736	11,697	24,750	24,526	20,873	-1.2%	-2.1%	0.7%	97.0	97.4	100.9	-1.9%
1983	13,706	14,457	12,206	25,308	25,526	21,104	2.3%	4.1%	1.1%	99.2	101.4	102.0	1.1%
1984	15,280	15,875	13,365	26,653	26,785	22,151	5.3%	4.9%	5.0%	104.5	106.4	107.1	0.4%
1985	16,392	16,853	14,488	27,142	27,277	23,186	1.8%	1.8%	4.7%	106.4	108.3	112.1	-2.8%
1986	17,215	17,572	15,205	27,726	27,797	23,890	2.2%	1.9%	3.0%	108.7	110.4	115.5	-0.9%
1987	18,123	18,565	15,901	28,195	28,392	24,103	1.7%	2.1%	0.9%	110.5	112.7	116.5	0.8%
1988	19,155	19,643	17,004	28,375	28,854	24,751	0.6%	1.6%	2.7%	111.2	114.6	119.6	-2.0%
1989	20,290	20,667	18,307	28,400	28,994	25,423	0.1%	0.5%	2.7%	111.3	115.1	122.9	-2.6%
1990	20,974	21,786	19,256	27,703	28,960	25,370	-2.5%	-0.1%	-0.2%	108.6	115.0	122.6	-2.2%
1991	21,382	21,978	19,842	27,257	27,981	25,086	-1.6%	-3.4%	-1.1%	106.8	111.1	121.2	-0.5%
1992	22,004	22,705	20,716	27,289	27,950	25,426	0.1%	-0.1%	1.4%	106.9	111.0	122.9	-1.2%
1993	22,307	22,915	21,231	27,076	27,398	25,301	-0.8%	-2.0%	-0.5%	106.1	108.8	122.3	-0.3%
1994	22,835	23,455	21,975	27,018	27,406	25,534	-0.2%	0.0%	0.9%	105.9	108.8	123.4	-1.1%
1995	23,610	24,462	23,278	27,525	27,856	26,303	1.9%	1.6%	3.0%	107.9	110.6	127.1	-1.1%
1996	24,721	25,510	24,180	28,086	28,294	26,537	2.0%	1.6%	0.9%	110.1	112.4	128.3	1.1%
1997	26,010	26,708	25,401	29,045	28,925	27,252	3.4%	2.2%	2.7%	113.8	114.9	131.7	0.7%
1998	27,646	28,228	26,791	30,280	30,014	28,303	4.3%	3.8%	3.9%	118.7	119.2	136.8	0.4%
1999	29,244	29,862	28,010	30,936	30,905	28,951	2.2%	3.0%	2.3%	121.2	122.7	139.9	-0.1%
2000	31,357	32,142	29,501	31,357	32,142	29,501	1.4%	4.0%	1.9%	122.9	127.6	142.6	-0.5%
Average Annual Rates of Change													
80 - 94	7.6%	6.8%	8.7%	0.4%	0.6%	1.7%							
91 - 94	2.3%	2.2%	3.6%	-0.3%	-0.7%	0.6%							
94 - 00	6.2%	6.2%	5.7%	2.7%	2.9%	2.6%							
80 - 00	9.1%	8.4%	9.9%	1.1%	1.4%	2.1%							
91 - 00	5.2%	5.1%	5.4%	1.7%	1.7%	2.0%							
Source:	Nominal Per Capita Income: DRI, Bureau of Economic Analysis												
	Consumer Price Index [CPI]: Bureau of Labor Statistics												
Note:	Nominal Per Capita Income is deflated using the CPI.												

Private Sector Payroll & Employment in San Diego

Private Sector Payroll & Employment in San Diego									
Historical Data From						Average Annual Rates of Change			
US Department of Commerce			California Employment Development Department [EDD]			US Dept Commer	EDD Data		
1980	1994	1991	1994	2000	80 to 94	91 to 94	94 to 2000	91 to 2000	
Private Sector Employment									
High Paying	184,539	264,760	274,628	264,890	319,348	3.1%	-1.2%	3.4%	1.8%
Medium Paying	156,675	234,299	263,874	260,686	344,614	3.5%	-0.4%	5.4%	3.4%
Low Paying	160,921	261,300	263,873	263,801	339,805	4.5%	0.0%	4.8%	3.2%
Total	502,135	760,359	802,375	789,377	1,003,767	3.7%	-0.5%	4.5%	2.8%
Ratio: Growth in High Paying Jobs / Growth in Low Paying Jobs						0.697	-129.953	0.714	0.566
Employment Shares									
High Paying	36.8%	34.8%	34.2%	33.6%	31.8%				
Medium Paying	31.2%	30.8%	32.9%	33.0%	34.3%				
Low Paying	32.0%	34.4%	32.9%	33.4%	33.9%				
Total	100.0%	100.0%	100.0%	100.0%	100.0%				
Payroll Shares									
High Paying		50.2%	50.0%	50.0%	50.1%				
Medium Paying		30.6%	32.3%	31.9%	32.5%				
Low Paying		19.2%	17.8%	18.0%	17.4%				
Total		100.0%	100.0%	100.0%	100.0%				
Average Wage in Nominal Dollars									
High Paying		\$ 35,156	\$ 35,446	\$ 38,899	\$ 58,233		3.2%	8.3%	7.1%
Medium Paying		\$ 24,265	\$ 23,818	\$ 25,225	\$ 34,994		2.0%	6.5%	5.2%
Low Paying		\$ 13,635	\$ 13,106	\$ 14,073	\$ 18,972		2.5%	5.8%	5.0%
Total		\$ 24,404	\$ 24,275	\$ 26,087	\$ 36,963		2.5%	6.9%	5.8%
Average Wage in Constant 2000 Dollars									
High Paying			45,185	46,024	\$ 58,233		0.6%	4.4%	3.2%
Medium Paying			30,362	29,846	\$ 34,994		-0.6%	2.9%	1.7%
Low Paying			16,707	16,651	\$ 18,972		-0.1%	2.3%	1.5%
Total			30,945	30,865	\$ 36,963		-0.1%	3.3%	2.2%
CPI Deflator									
			78.4	84.5	100.0				

San Diego Private Sector Employment & Payroll for 1991 By 2-Digit SIC Code

	SIC	TITLE	Annual Avg	Total	Average	Cumulative
YEAR	Code		Employment	Payroll	Wage	Payroll
High Paying Industries						
1991	62	SECURITY, COMMODITY BROKERS & SERVIC	2,398	149,905,208	\$ 62,513	149,905,208
1991	9	FISHING, HUNTING, AND TRAPPING	392	21,272,788	\$ 54,267	171,177,996
1991	67	HOLDING AND OTHER INVESTMENT OFFICES	1,064	53,760,716	\$ 50,527	224,938,712
1991	81	LEGAL SERVICES	9,964	452,514,255	\$ 45,415	677,452,967
1991	49	ELECTRIC, GAS, AND SANITARY SERVICES	8,541	385,854,120	\$ 45,177	1,063,307,087
1991	89	MISCELLANEOUS SERVICES	432	19,261,307	\$ 44,586	1,082,568,394
1991	29	PETROLEUM/REFINING/RELATED INDUSTRIES	140	5,963,910	\$ 42,599	1,088,532,304
1991	35	MACHINERY, EXCEPT ELECTRICAL	13,597	528,066,165	\$ 38,837	1,616,598,469
1991	16	HEAVY CONSTRUCTION OTHER THAN BLDG CONSTRUCTION	4,228	157,577,232	\$ 37,270	1,774,175,701
1991	48	COMMUNICATION	9,960	368,797,941	\$ 37,028	2,142,973,642
1991	14	MINING & QUARRYING NONMETALLIC MINERALS, EX FUELS	493	18,254,380	\$ 37,027	2,161,228,022
1991	28	CHEMICALS & ALLIED PRODUCTS	3,205	118,250,087	\$ 36,896	2,279,478,109
1991	87	ENGINEER, ACCT,RESRCH,MNGMNT SERVICES	35,967	1,319,111,312	\$ 36,676	3,598,589,421
1991	37	TRANSPORTATION EQUIPMENT	33,400	1,205,662,769	\$ 36,098	4,804,252,190
1991	45	TRANSPORTATION BY AIR	5,170	183,793,363	\$ 35,550	4,988,045,553
1991	36	ELECTRICAL/ELECTRONIC MACH EQUIP	21,100	742,157,106	\$ 35,173	5,730,202,659
1991	13	OIL AND GAS EXTRACTION	54	1,894,896	\$ 35,091	5,732,097,555
1991	38	INSTRUMENTS/RELATED	19,443	674,549,937	\$ 34,694	6,406,647,492
1991	61	CREDIT AGENCIES OTHER THAN BANKS	4,224	145,567,596	\$ 34,462	6,552,215,088
1991	64	INSURANCE AGENTS, BROKERS, & SERVICE	5,526	184,889,014	\$ 33,458	6,737,104,102
1991	33	PRIMARY METAL INDUSTRIES	716	23,616,211	\$ 32,984	6,760,720,313
1991	63	INSURANCE CARRIERS	7,762	249,676,098	\$ 32,166	7,010,396,411
1991	50	WHOLESALE TRADE-DURABLE GOODS	23,646	753,283,624	\$ 31,857	7,763,680,035
1991	34	FABRICATED METAL PRODUCTS	5,863	185,454,796	\$ 31,631	7,949,134,831
1991	15	BLDG CONST-GENERAL CONTRACTORS & OPERATIVE BLDGRS	12,117	379,902,350	\$ 31,353	8,329,037,181
1991	80	HEALTH SERVICES [split between High = 71% & Medium = 29%]	45,226	1,405,435,683	\$ 31,076	9,734,472,864
		High Paying Industries Total	274,628	9,734,472,864	\$ 35,446	
		Share of Total	34.2%	50.0%		

San Diego Private Sector Employment & Payroll for 1991 By 2-Digit SIC Code

	SIC	TITLE	Annual Avg	Total	Average	Cumulative
YEAR	Code		Employment	Payroll	Wage	Payroll
Medium Paying Industries						
1991	80	HEALTH SERVICES [split between High = 71% & Medium = 29%]	18,473	574,051,195	\$ 31,075	10,308,524,059
1991	27	PRINTING,PUBLISHING, & ALLIED IND	12,301	358,888,796	\$ 29,176	10,667,412,855
1991	44	WATER TRANSPORTATION	1,077	30,158,129	\$ 28,002	10,697,570,984
1991	26	PAPER & ALLIED PRODUCTS	879	24,364,332	\$ 27,718	10,721,935,316
1991	17	CONSTRUCTION-SPECIAL TRADE COMTRACTORS	32,615	879,290,887	\$ 26,960	11,601,226,203
1991	32	STONE/CLAY/GLASS/CONCRETE PROD	2,250	60,409,018	\$ 26,848	11,661,635,221
1991	60	BANKING	22,290	586,747,418	\$ 26,323	12,248,382,639
1991	51	WHOLESALE TRADE-NONDURABLE GOODS	17,764	461,504,658	\$ 25,980	12,709,887,297
1991	24	LUMBER/WOOD PRODUCTS, RX FURNITURE	1,699	41,048,612	\$ 24,160	12,750,935,909
1991	30	RUBBER/MISCELLANEOUS PLASTICS PRODUCTS	3,699	89,207,766	\$ 24,117	12,840,143,675
1991	55	AUTOMOTIVE DEALERS & SERVICE STATIONS	19,216	446,814,806	\$ 23,252	13,286,958,481
1991	76	MISCELLANEOUS REPAIR SERVICES	4,463	102,932,129	\$ 23,063	13,389,890,610
1991	39	MISC MANUFACTURING INDUSTRIES	3,625	83,278,750	\$ 22,973	13,473,169,360
1991	20	FOOD & KINDRED PRODUCTS	4,478	101,999,616	\$ 22,778	13,575,168,976
1991	42	TRUCKING AND WAREHOUSING	6,325	140,615,013	\$ 22,232	13,715,783,989
1991	65	REAL ESTATE	20,138	439,662,745	\$ 21,832	14,155,446,734
1991	57	FURNITURE AND HOME FURNISHINGS STORES	8,580	183,270,427	\$ 21,360	14,338,717,161
1991	52	BUILDING MATERIALS & GARDEN SUPPLIES	5,716	118,043,638	\$ 20,651	14,456,760,799
1991	73	BUSINESS SERVICES	52,587	1,067,995,554	\$ 20,309	15,524,756,353
1991	25	FURNITURE & FIXTURES	2,099	42,038,684	\$ 20,028	15,566,795,037
1991	22	TEXTILE MILL PRODUCTS	546	10,751,625	\$ 19,692	15,577,546,662
1991	82	EDUCATIONAL SERVICES	9,812	188,507,662	\$ 19,212	15,766,054,324
1991	75	AUTO REPAIR, SERVICES, AND GARAGES	10,977	210,218,876	\$ 19,151	15,976,273,200
1991	99	NONCLASSIFIABLE ESTABLISHMENTS	2,265	43,119,756	\$ 19,037	16,019,392,956
		Medium Paying Industries Total	263,874	6,284,920,092	\$ 23,818	
		Share of Total	32.9%	32.3%		

San Diego Private Sector Employment & Payroll for 1991 By 2-Digit SIC Code

	SIC	TITLE	Annual Avg	Total	Average	Cumulative
YEAR	Code		Employment	Payroll	Wage	Payroll
Low Paying Industries						
1991	47	TRANSPORTATION SERVICES	3,237	60,723,978	\$ 18,759	16,080,116,934
1991	84	MUSEUMS, BOTANICAL&ZOOLOGICAL GARDENS	2,022	37,698,384	\$ 18,644	16,117,815,318
1991	79	AMUSEMENT & RECREATION SERVICES	14,755	262,283,617	\$ 17,776	16,380,098,935
1991	41	LOCAL AND INTERURBAN PASSENGER TRANSIT	2,532	44,958,915	\$ 17,756	16,425,057,850
1991	54	FOOD STORES	24,349	416,116,841	\$ 17,090	16,841,174,691
1991	8	FORESTRY	100	1,588,775	\$ 15,888	16,842,763,466
1991	31	LEATHER/LEATHER PRODUCTS	116	1,808,854	\$ 15,594	16,844,572,320
1991	7	AGRICULTURAL SERVICES	9,436	147,037,628	\$ 15,583	16,991,609,948
1991	23	APPAREL & OTHER PRODUCTS MADE FROM FABRICS	3,455	52,905,789	\$ 15,313	17,044,515,737
1991	59	MISCELLANEOUS RETAIL	24,632	358,307,987	\$ 14,546	17,402,823,724
1991	86	MEMBERSHIP ORGANIZATIONS	7,145	101,413,028	\$ 14,194	17,504,236,752
1991	2	AGRIC PROD--LIVESTOCK & ANIMAL SPECIALITIES	656	9,226,277	\$ 14,064	17,513,463,029
1991	70	HOTELS AND OTHER LODGING PLACES	24,782	346,191,725	\$ 13,969	17,859,654,754
1991	56	APPAREL AND ACCESSORY STORES	11,798	164,742,720	\$ 13,964	18,024,397,474
1991	1	AGRICULTURAL PRODUCTION--CROPS	8,088	111,903,398	\$ 13,836	18,136,300,872
1991	83	SOCIAL SERVICES	15,817	218,248,455	\$ 13,798	18,354,549,327
1991	78	MOTION PICTURES	2,661	35,978,647	\$ 13,521	18,390,527,974
1991	72	PERSONAL SERVICES	10,213	133,422,596	\$ 13,064	18,523,950,570
1991	53	GENERAL MERCHANDISE STORES	17,075	205,902,777	\$ 12,059	18,729,853,347
1991	58	EATING AND DRINKING PLACES	73,987	687,121,795	\$ 9,287	19,416,975,142
1991	88	PRIVATE HOUSEHOLDS	7,017	60,759,469	\$ 8,659	19,477,734,611
		Low Paying Industries Total	263,873	3,458,341,655	\$ 13,106	
		Share of Total	32.9%	17.8%		
		All Industries	802,375	19,477,734,611	\$ 24,275	
Suppression of Data for Confidentiality Reasons			Payroll Midpoint =	9,738,867,306		
1991	10	METAL MINING	*	*		
1991	12	COAL MINING	*	*		
1991	46	PIPE LINES, EXCEPT NATURAL GAS	*	*		
Source:	State of California Employment Development Department					

San Diego Private Sector Employment & Payroll for 1994 By 2-Digit SIC Code

	SIC	TITLE	Annual Avg	Total	Average	Cumulative
YEAR	Code		Employment	Payroll	Wage	Payroll
High Paying Industries						
1994	62	SECURITY, COMMODITY BROKERS & SERVIC	3,519	231,290,897	\$ 65,726	231,290,897
1994	67	HOLDING AND OTHER INVESTMENT OFFICES	930	52,247,409	\$ 56,180	283,538,306
1994	09	FISHING, HUNTING, AND TRAPPING	367	20,192,111	\$ 55,019	303,730,417
1994	49	ELECTRIC, GAS, AND SANITARY SERVICES	7,917	411,647,364	\$ 51,995	715,377,781
1994	29	PETROLEUM/REFINING/RELATED INDUSTRIES	70	3,590,605	\$ 51,294	718,968,386
1994	81	LEGAL SERVICES	9,109	457,685,642	\$ 50,245	1,176,654,028
1994	89	MISCELLANEOUS SERVICES	671	31,816,736	\$ 47,417	1,208,470,764
1994	61	CREDIT AGENCIES OTHER THAN BANKS	5,686	244,618,494	\$ 43,021	1,453,089,258
1994	87	ENGINEER, ACCT,RESRCH,MNGMNT SERVICES	41,246	1,727,054,988	\$ 41,872	3,180,144,246
1994	28	CHEMICALS & ALLIED PRODUCTS	4,315	175,884,303	\$ 40,761	3,356,028,549
1994	37	TRANSPORTATION EQUIPMENT	18,092	730,535,797	\$ 40,379	4,086,564,346
1994	38	INSTRUMENTS/RELATED	14,347	575,277,539	\$ 40,097	4,661,841,885
1994	36	ELECTRICAL/ELECTRONIC MACH EQUIP	19,490	778,611,344	\$ 39,949	5,440,453,229
1994	16	HEAVY CONSTRUCTION OTHER THAN BLDG CONSTRUCTION	3,847	153,217,941	\$ 39,828	5,593,671,170
1994	48	COMMUNICATION	10,845	427,251,464	\$ 39,396	6,020,922,634
1994	35	MACHINERY, EXCEPT ELECTRICAL	13,691	538,523,863	\$ 39,334	6,559,446,497
1994	64	INSURANCE AGENTS, BROKERS, & SERVICE	5,553	211,157,200	\$ 38,026	6,770,603,697
1994	14	MINING & QUARRYING NONMETALLIC MINERALS, EX FUELS	325	12,291,648	\$ 37,820	6,782,895,345
1994	63	INSURANCE CARRIERS	7,322	270,082,258	\$ 36,886	7,052,977,603
1994	33	PRIMARY METAL INDUSTRIES	678	24,790,851	\$ 36,565	7,077,768,454
1994	50	WHOLESALE TRADE-DURABLE GOODS	24,557	876,829,703	\$ 35,706	7,954,598,157
1994	39	MISC MANUFACTURING INDUSTRIES	5,336	181,206,713	\$ 33,959	8,135,804,870
1994	15	BLDG CONST-GENERAL CONTRACTORS & OPERATIVE BLDGRS	9,840	322,175,068	\$ 32,741	8,457,979,938
1994	80	HEALTH SERVICES [split between High = 89% and Medium = 11%]	57,137	1,845,903,913	\$ 32,307	10,303,883,851
High Paying Industries Total			264,890	10,303,883,851	\$ 38,899	
Share of Total			33.6%	50.0%		

San Diego Private Sector Employment & Payroll for 1994 By 2-Digit SIC Code

	SIC	TITLE	Annual Avg	Total	Average	Cumulative
YEAR	Code		Employment	Payroll	Wage	Payroll
Medium Paying Industries						
1994	80	HEALTH SERVICES [split between High = 89% and Medium = 11%]	7,062	228,145,428	\$ 32,306	10,532,029,279
1994	27	PRINTING,PUBLISHING, & ALLIED IND	12,345	397,548,624	\$ 32,203	10,929,577,903
1994	45	TRANSPORTATION BY AIR	3,381	106,473,273	\$ 31,492	11,036,051,176
1994	26	PAPER & ALLIED PRODUCTS	923	28,871,252	\$ 31,280	11,064,922,428
1994	34	FABRICATED METAL PRODUCTS	4,616	142,871,349	\$ 30,951	11,207,793,777
1994	32	STONE/CLAY/GLASS/CONCRETE PROD	2,315	70,328,104	\$ 30,379	11,278,121,881
1994	13	OIL AND GAS EXTRACTION	48	1,398,787	\$ 29,141	11,279,520,668
1994	51	WHOLESALE TRADE-NONDURABLE GOODS	16,678	478,429,239	\$ 28,686	11,757,949,907
1994	60	BANKING	15,719	442,431,081	\$ 28,146	12,200,380,988
1994	17	CONSTRUCTION-SPECIAL TRADE COMTRACTORS	27,250	752,614,382	\$ 27,619	12,952,995,370
1994	44	WATER TRANSPORTATION	670	17,466,443	\$ 26,069	12,970,461,813
1994	55	AUTOMOTIVE DEALERS & SERVICE STATIONS	18,454	471,276,470	\$ 25,538	13,441,738,283
1994	76	MISCELLANEOUS REPAIR SERVICES	3,851	98,213,478	\$ 25,503	13,539,951,761
1994	20	FOOD & KINDRED PRODUCTS	4,831	120,569,614	\$ 24,957	13,660,521,375
1994	42	TRUCKING AND WAREHOUSING	7,185	178,440,708	\$ 24,835	13,838,962,083
1994	30	RUBBER/MISCELLANEOUS PLASTICS PRODUCTS	3,861	94,091,146	\$ 24,370	13,933,053,229
1994	65	REAL ESTATE	20,044	473,828,912	\$ 23,639	14,406,882,141
1994	99	NONCLASSIFIABLE ESTABLISHMENTS	3,220	74,485,482	\$ 23,132	14,481,367,623
1994	73	BUSINESS SERVICES	59,343	1,361,608,372	\$ 22,945	15,842,975,995
1994	82	EDUCATIONAL SERVICES	9,353	210,700,762	\$ 22,528	16,053,676,757
1994	57	FURNITURE AND HOME FURNISHINGS STORES	8,956	197,722,846	\$ 22,077	16,251,399,603
1994	47	TRANSPORTATION SERVICES	3,543	78,213,566	\$ 22,076	16,329,613,169
1994	52	BUILDING MATERIALS & GARDEN SUPPLIES	5,733	123,612,535	\$ 21,562	16,453,225,704
1994	25	FURNITURE & FIXTURES	2,333	50,200,920	\$ 21,518	16,503,426,624
1994	24	LUMBER/WOOD PRODUCTS, RX FURNITURE	1,276	27,089,095	\$ 21,230	16,530,515,719
1994	84	MUSEUMS, BOTANICAL&ZOOLOGICAL GARDENS	2,138	44,787,008	\$ 20,948	16,575,302,727
1994	41	LOCAL AND INTERURBAN PASSENGER TRANSIT	3,263	65,148,990	\$ 19,966	16,640,451,717
1994	22	TEXTILE MILL PRODUCTS	660	12,958,885	\$ 19,635	16,653,410,602
1994	75	AUTO REPAIR, SERVICES, AND GARAGES	11,635	226,404,784	\$ 19,459	16,879,815,386
Medium Paying Industries Total			260,686	6,575,931,535	\$ 25,225	
Share of Total			33.0%	31.9%		

San Diego Private Sector Employment & Payroll for 1994 By 2-Digit SIC Code

YEAR	SIC Code	TITLE	Annual Avg Employment	Total Payroll	Average Wage	Cumulative Payroll
Low Paying Industries						
1994	54	FOOD STORES	23,229	423,947,876	\$ 18,251	17,303,763,262
1994	79	AMUSEMENT & RECREATION SERVICES	16,569	294,141,817	\$ 17,753	17,597,905,079
1994	31	LEATHER/LEATHER PRODUCTS	169	2,903,902	\$ 17,183	17,600,808,981
1994	86	MEMBERSHIP ORGANIZATIONS	8,236	139,583,873	\$ 16,948	17,740,392,854
1994	59	MISCELLANEOUS RETAIL	24,793	400,818,792	\$ 16,167	18,141,211,646
1994	07	AGRICULTURAL SERVICES	8,764	140,203,946	\$ 15,998	18,281,415,592
1994	08	FORESTRY	169	2,639,269	\$ 15,617	18,284,054,861
1994	53	GENERAL MERCHANDISE STORES	19,499	304,034,524	\$ 15,592	18,588,089,385
1994	02	AGRIC PROD--LIVESTOCK & ANIMAL SPECIALITIES	631	9,752,984	\$ 15,456	18,597,842,369
1994	23	APPAREL & OTHER PRODUCTS MADE FROM FABRICS	5,927	90,038,768	\$ 15,191	18,687,881,137
1994	70	HOTELS AND OTHER LODGING PLACES	24,746	374,721,020	\$ 15,143	19,062,602,157
1994	72	PERSONAL SERVICES	9,855	146,597,649	\$ 14,875	19,209,199,806
1994	01	AGRICULTURAL PRODUCTION--CROPS	8,410	123,680,619	\$ 14,706	19,332,880,425
1994	56	APPAREL AND ACCESSORY STORES	12,499	181,978,102	\$ 14,559	19,514,858,527
1994	83	SOCIAL SERVICES	19,016	270,926,805	\$ 14,247	19,785,785,332
1994	78	MOTION PICTURES	2,478	33,269,046	\$ 13,426	19,819,054,378
1994	58	EATING AND DRINKING PLACES	72,818	718,272,061	\$ 9,864	20,537,326,439
1994	88	PRIVATE HOUSEHOLDS	5,993	55,070,624	\$ 9,189	20,592,397,063
Low Paying Industries Total			263,801	3,712,581,677	\$ 14,073	
Share of Total			33.4%	18.0%		
All Industries			789,377	20,592,397,063	\$ 26,087	
				Payroll Midpoint =	10,296,198,532	
Suppression of Data for Confidentiality Reasons						
1994	10	METAL MINING	*	*	*	
1994	46	PIPE LINES, EXCEPT NATURAL GAS	*	*	*	
Source: State of California Employment Development Department						

San Diego Private Sector Employment & Payroll for 2000 By 2-Digit SIC Code

	SIC	TITLE	Annual Avg	Total	Average	Cumulative
YEAR	Code		Employment	Payroll	Wage	Payroll
High Paying Industries						
2000	48	COMMUNICATION	18,922	2,268,088,667	\$ 119,865	2,268,088,667
2000	62	SECURITY, COMMODITY BROKERS & SERVIC	6,187	714,336,541	\$ 115,458	2,982,425,208
2000	36	ELECTRICAL/ELECTRONIC MACH EQUIP	26,437	1,791,068,008	\$ 67,749	4,773,493,216
2000	9	FISHING, HUNTING, AND TRAPPING	239	15,838,400	\$ 66,269	4,789,331,616
2000	49	ELECTRIC, GAS, AND SANITARY SERVICES	6,954	442,025,971	\$ 63,564	5,231,357,587
2000	81	LEGAL SERVICES	10,173	637,675,900	\$ 62,683	5,869,033,487
2000	87	ENGINEER, ACCT,RESRCH,MNGMNT SERVICES	58,948	3,678,654,394	\$ 62,405	9,547,687,881
2000	89	MISCELLANEOUS SERVICES	623	38,077,948	\$ 61,120	9,585,765,829
2000	28	CHEMICALS & ALLIED PRODUCTS	6,290	369,720,115	\$ 58,779	9,955,485,944
2000	67	HOLDING AND OTHER INVESTMENT OFFICES	2,046	120,104,899	\$ 58,702	10,075,590,843
2000	35	MACHINERY, EXCEPT ELECTRICAL	17,249	993,235,599	\$ 57,582	11,068,826,442
2000	38	INSTRUMENTS/RELATED	12,074	667,199,656	\$ 55,259	11,736,026,098
2000	13	OIL AND GAS EXTRACTION	108	5,775,219	\$ 53,474	11,741,801,317
2000	61	CREDIT AGENCIES OTHER THAN BANKS	9,067	469,755,596	\$ 51,809	12,211,556,913
2000	50	WHOLESALE TRADE-DURABLE GOODS	31,730	1,558,406,395	\$ 49,115	13,769,963,308
2000	37	TRANSPORTATION EQUIPMENT	14,102	661,530,039	\$ 46,910	14,431,493,347
2000	29	PETROLEUM/REFINING/RELATED INDUSTRIES	140	6,448,145	\$ 46,058	14,437,941,492
2000	64	INSURANCE AGENTS, BROKERS, & SERVICE	6,913	314,194,164	\$ 45,450	14,752,135,656
2000	63	INSURANCE CARRIERS	9,325	421,692,186	\$ 45,222	15,173,827,842
2000	16	HEAVY CONSTRUCTION OTHER THAN BLDG CONSTRUCTION	5,978	269,120,167	\$ 45,018	15,442,948,009
2000	27	PRINTING,PUBLISHING, & ALLIED IND	13,765	590,727,127	\$ 42,915	16,033,675,136
2000	15	BLDG CONST-GENERAL CONTRACTORS & OPERATIVE BLDGRS	16,858	719,509,648	\$ 42,681	16,753,184,784
2000	51	WHOLESALE TRADE-NONDURABLE GOODS	19,301	807,504,345	\$ 41,837	17,560,689,129
2000	60	BANKING	13,989	564,134,714	\$ 40,327	18,124,823,843
2000	39	MISC MANUFACTURING INDUSTRIES	8,039	320,144,671	\$ 39,824	18,444,968,514
2000	33	PRIMARY METAL INDUSTRIES	1,291	50,930,337	\$ 39,450	18,495,898,851
2000	32	STONE/CLAY/GLASS/CONCRETE PROD	2,600	100,639,832	\$ 38,708	18,596,538,683
		High Paying Industries Total	319,348	18,596,538,683	\$ 58,233	
		Share of Total	31.8%	50.1%		

San Diego Private Sector Employment & Payroll for 2000 By 2-Digit SIC Code

	SIC	TITLE	Annual Avg	Total	Average	Cumulative
YEAR	Code		Employment	Payroll	Wage	Payroll
Medium Paying Industries						
2000	26	PAPER & ALLIED PRODUCTS	1,154	44,416,574	\$ 38,489	18,640,955,257
2000	73	BUSINESS SERVICES	101,218	3,727,495,654	\$ 36,826	22,368,450,911
2000	80	HEALTH SERVICES	75,375	2,760,924,060	\$ 36,629	25,129,374,971
2000	34	FABRICATED METAL PRODUCTS	6,376	226,542,460	\$ 35,530	25,355,917,431
2000	65	REAL ESTATE	22,026	771,498,843	\$ 35,027	26,127,416,274
2000	17	CONSTRUCTION-SPECIAL TRADE COMTRACTORS	47,945	1,665,047,426	\$ 34,728	27,792,463,700
2000	55	AUTOMOTIVE DEALERS & SERVICE STATIONS	22,358	772,408,155	\$ 34,547	28,564,871,855
2000	57	FURNITURE AND HOME FURNISHINGS STORES	13,870	476,793,101	\$ 34,376	29,041,664,956
2000	99	NONCLASSIFIABLE ESTABLISHMENTS	102	3,475,083	\$ 34,069	29,045,140,039
2000	30	RUBBER/MISCELLANEOUS PLASTICS PRODUCTS	3,994	128,824,735	\$ 32,255	29,173,964,774
2000	44	WATER TRANSPORTATION	973	30,311,146	\$ 31,152	29,204,275,920
2000	47	TRANSPORTATION SERVICES	3,926	121,726,096	\$ 31,005	29,326,002,016
2000	45	TRANSPORTATION BY AIR	6,654	202,807,966	\$ 30,479	29,528,809,982
2000	42	TRUCKING AND WAREHOUSING	8,308	251,977,559	\$ 30,330	29,780,787,541
2000	82	EDUCATIONAL SERVICES	13,738	403,998,040	\$ 29,407	30,184,785,581
2000	76	MISCELLANEOUS REPAIR SERVICES	3,165	92,004,923	\$ 29,069	30,276,790,504
2000	20	FOOD & KINDRED PRODUCTS	5,346	151,831,396	\$ 28,401	30,428,621,900
2000	52	BUILDING MATERIALS & GARDEN SUPPLIES	8,086	227,255,072	\$ 28,105	30,655,876,972
		Medium Paying Industries Total	344,614	12,059,338,289	\$ 34,994	
		Share of Total	34.3%	32.5%		
Low Paying Industries						
2000	24	LUMBER/WOOD PRODUCTS, RX FURNITURE	2,501	68,668,606	\$ 27,456	30,724,545,578
2000	79	AMUSEMENT & RECREATION SERVICES	21,907	590,018,341	\$ 26,933	31,314,563,919
2000	25	FURNITURE & FIXTURES	3,094	83,229,218	\$ 26,900	31,397,793,137
2000	22	TEXTILE MILL PRODUCTS	1,255	32,372,887	\$ 25,795	31,430,166,024
2000	75	AUTO REPAIR, SERVICES, AND GARAGES	15,912	392,584,865	\$ 24,672	31,822,750,889
2000	84	MUSEUMS, BOTANICAL&ZOOLOGICAL GARDENS	2,902	71,207,780	\$ 24,537	31,893,958,669
2000	8	FORESTRY	253	5,908,861	\$ 23,355	31,899,867,530

San Diego Private Sector Employment & Payroll for 2000 By 2-Digit SIC Code

	SIC	TITLE	Annual Avg	Total	Average	Cumulative
YEAR	Code		Employment	Payroll	Wage	Payroll
Low Paying Industries [Continued]						
2000	54	FOOD STORES	23,606	518,236,635	\$ 21,954	32,418,104,165
2000	7	AGRICULTURAL SERVICES	14,355	311,659,923	\$ 21,711	32,729,764,088
2000	59	MISCELLANEOUS RETAIL	30,049	650,424,816	\$ 21,645	33,380,188,904
2000	31	LEATHER/LEATHER PRODUCTS	283	6,095,385	\$ 21,538	33,386,284,289
2000	23	APPAREL & OTHER PRODUCTS MADE FROM FABRICS	4,887	104,237,090	\$ 21,329	33,490,521,379
2000	2	AGRIC PROD--LIVESTOCK & ANIMAL SPECIALITIES	792	16,247,596	\$ 20,515	33,506,768,975
2000	70	HOTELS AND OTHER LODGING PLACES	28,343	577,397,595	\$ 20,372	34,084,166,570
2000	86	MEMBERSHIP ORGANIZATIONS	9,758	192,136,144	\$ 19,690	34,276,302,714
2000	41	LOCAL AND INTERURBAN PASSENGER TRANSIT	3,295	64,454,680	\$ 19,561	34,340,757,394
2000	1	AGRICULTURAL PRODUCTION--CROPS	8,847	171,374,348	\$ 19,371	34,512,131,742
2000	53	GENERAL MERCHANDISE STORES	20,791	389,378,273	\$ 18,728	34,901,510,015
2000	83	SOCIAL SERVICES	25,677	478,427,034	\$ 18,633	35,379,937,049
2000	56	APPAREL AND ACCESSORY STORES	13,119	236,155,638	\$ 18,001	35,616,092,687
2000	72	PERSONAL SERVICES	11,819	206,304,638	\$ 17,455	35,822,397,325
2000	78	MOTION PICTURES	4,471	71,742,949	\$ 16,046	35,894,140,274
2000	58	EATING AND DRINKING PLACES	85,227	1,123,841,905	\$ 13,186	37,017,982,179
2000	88	PRIVATE HOUSEHOLDS	6,662	84,527,793	\$ 12,688	37,102,509,972
		Low Paying Industries Total	339,805	6,446,633,000	\$ 18,972	
		Share of Total	33.9%	17.4%		
		All Industries	1,003,767	37,102,509,972	\$ 36,963	
				Payroll Midpoint = 18,551,254,986		
Suppression of Data for Confidentiality Reasons						
2000	10	METAL MINING	*	*	*	
2000	14	MINING & QUARRYING NONMETALLIC MINERALS, EX FUELS	*	*	*	
2000	40	RAILROAD TRANSPORTATION	*	*	*	
2000	46	PIPE LINES, EXCEPT NATURAL GAS	*	*	*	
Source: State of California Employment Development Department						

Employment & Payroll Data for the San Diego Region and its Clusters

	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Employment By Cluster										
Biomedical Products	7,645	7,184	7,351	7,125	6,559	6,431	6,135	5,765	6,444	6,256
Biotechnology & Pharmaceuticals	12,311	14,881	16,266	16,338	17,235	18,629	20,371	23,008	21,385	23,056
Business Services	52,856	52,089	54,412	55,578	59,218	70,409	76,621	84,958	91,692	97,062
Communications	12,340	13,443	14,144	14,721	14,789	16,422	18,174	20,646	25,771	24,878
Computer & Electronics Manufacturing	23,427	20,979	21,124	20,022	20,303	21,679	22,990	25,058	23,734	24,169
Defense Manufacturing	40,844	35,143	28,435	22,997	20,466	18,953	19,578	19,113	19,559	18,149
Entertainment & Amusement	15,092	15,419	15,748	17,215	18,399	19,768	20,448	18,206	19,663	20,506
Environmental Technology	3,238	3,368	3,157	3,150	3,356	4,154	4,280	4,469	4,627	4,580
Financial Services	13,009	12,193	12,861	11,462	9,480	11,052	12,849	15,757	16,952	17,337
Fruit and Vegetables	3,345	3,603	3,873	3,553	3,787	3,814	3,623	3,657	3,742	3,603
Horticulture	6,097	5,995	5,620	5,889	5,900	6,243	6,175	6,325	6,483	6,644
Medical Services	66,811	69,639	67,329	66,367	66,182	67,128	69,076	66,502	71,694	71,889
Recreational Goods	2,216	2,410	2,930	3,770	5,081	5,270	5,631	6,195	4,598	4,939
Software & Computer Services	8,935	9,510	10,315	11,422	12,367	13,645	15,453	17,660	18,363	21,290
Visitor Industry Services	74,231	72,989	72,274	72,031	72,997	74,134	73,735	77,247	80,349	83,255
Total Cluster Employment:	342,397	338,845	335,839	331,640	336,119	357,731	375,140	394,566	415,056	427,613
Total Regional Employment:	976,975	957,505	949,040	960,927	982,357	1,016,423	1,060,167	1,115,048	1,157,670	1,198,357
Cluster Share of Region:	35.0%	35.4%	35.4%	34.5%	34.2%	35.2%	35.4%	35.4%	35.9%	35.7%
Total Payroll By Cluster (in millions of Nominal Dollars)										
Biomedical Products	245.3	235.2	245.2	242.9	251.5	253.9	248.8	239.4	263.3	289.2
Biotechnology & Pharmaceuticals	466.5	604.9	679.4	712.6	795.8	936.2	1,125.0	1,287.3	1,287.4	1,619.9
Business Services	1,401.4	1,485.6	1,562.7	1,610.3	1,781.3	2,114.0	2,364.3	2,625.6	2,954.4	3,735.4
Communications	496.1	570.8	641.4	648.6	701.9	795.6	895.5	1,060.3	2,739.3	2,893.4
Computer & Electronics Manufacturing	900.0	824.7	843.2	858.4	902.0	1,083.1	1,212.0	1,355.0	1,463.9	1,755.1
Defense Manufacturing	1,498.7	1,458.1	1,144.3	965.1	878.6	806.0	913.6	1,004.6	996.5	963.9
Entertainment & Amusement	341.6	368.8	385.8	382.8	434.6	488.3	526.6	537.5	590.8	633.1
Environmental Technology	104.0	115.5	114.1	115.7	126.9	161.0	176.7	193.0	202.2	208.1
Financial Services	418.3	433.0	496.5	439.5	377.4	465.1	601.4	823.0	887.9	993.8
Fruit and Vegetables	40.2	44.3	48.2	46.7	48.7	50.2	52.9	60.0	63.5	63.2
Horticulture	95.0	96.3	91.0	96.6	101.1	109.4	118.5	139.3	142.5	148.7
Medical Services	2,032.9	2,386.0	2,356.9	2,326.7	2,349.3	2,410.0	2,517.5	2,537.9	2,758.5	2,852.8
Recreational Goods	51.0	65.8	102.2	139.4	164.6	195.7	216.3	225.1	183.5	208.4
Software & Computer Services	403.3	423.4	475.0	547.4	638.3	721.1	881.0	1,126.6	1,285.5	1,689.5
Visitor Industry Services	967.8	959.2	952.5	949.6	956.3	989.5	1,063.3	1,210.9	1,311.3	1,422.8
Total Cluster Payroll:	9,462.2	10,071.5	10,138.5	10,082.2	10,508.2	11,579.1	12,913.6	14,425.5	17,130.5	19,477.2
Total Regional Payroll:	24,423	25,106	25,151	26,195	27,368	29,266	32,304	35,872	40,187	45,024
Cluster Share of Region:	38.7%	40.1%	40.3%	38.5%	38.4%	39.6%	40.0%	40.2%	42.6%	43.3%
Source:	California Employment Development Department									

Average Annual Wage for San Diego Clusters and Non-Cluster Employees

	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Average Annual Wage By Cluster										
Biomedical Products	\$ 32,091	\$ 32,746	\$ 33,359	\$ 34,088	\$ 38,339	\$ 39,481	\$ 40,556	\$ 41,529	\$ 40,856	\$ 46,227
Biotechnology & Pharmaceuticals	\$ 37,888	\$ 40,645	\$ 41,771	\$ 43,617	\$ 46,173	\$ 50,256	\$ 55,228	\$ 55,949	\$ 60,200	\$ 70,259
Business Services	\$ 26,514	\$ 28,520	\$ 28,719	\$ 28,973	\$ 30,081	\$ 30,024	\$ 30,857	\$ 30,904	\$ 32,221	\$ 38,485
Communications	\$ 40,199	\$ 42,460	\$ 45,345	\$ 44,059	\$ 47,462	\$ 48,447	\$ 49,273	\$ 51,356	\$ 106,296	\$ 116,301
Computer & Electronics Manufacturing	\$ 38,418	\$ 39,311	\$ 39,918	\$ 42,872	\$ 44,429	\$ 49,959	\$ 52,716	\$ 54,074	\$ 61,679	\$ 72,616
Defense Manufacturing	\$ 36,694	\$ 41,489	\$ 40,244	\$ 41,965	\$ 42,930	\$ 42,525	\$ 46,667	\$ 52,562	\$ 50,949	\$ 53,111
Entertainment & Amusement	\$ 22,636	\$ 23,921	\$ 24,497	\$ 22,238	\$ 23,622	\$ 24,703	\$ 25,751	\$ 29,522	\$ 30,048	\$ 30,874
Environmental Technology	\$ 32,120	\$ 34,283	\$ 36,151	\$ 36,746	\$ 37,806	\$ 38,765	\$ 41,296	\$ 43,183	\$ 43,709	\$ 45,429
Financial Services	\$ 32,155	\$ 35,511	\$ 38,608	\$ 38,344	\$ 39,813	\$ 42,087	\$ 46,808	\$ 52,231	\$ 52,375	\$ 57,321
Fruit and Vegetables	\$ 12,015	\$ 12,303	\$ 12,438	\$ 13,141	\$ 12,849	\$ 13,160	\$ 14,614	\$ 16,417	\$ 16,957	\$ 17,529
Horticulture	\$ 15,589	\$ 16,064	\$ 16,188	\$ 16,396	\$ 17,130	\$ 17,517	\$ 19,188	\$ 22,018	\$ 21,986	\$ 22,383
Medical Services	\$ 30,428	\$ 34,262	\$ 35,005	\$ 35,058	\$ 35,497	\$ 35,901	\$ 36,446	\$ 38,163	\$ 38,476	\$ 39,684
Recreational Goods	\$ 23,025	\$ 27,286	\$ 34,896	\$ 36,983	\$ 32,388	\$ 37,143	\$ 38,420	\$ 36,340	\$ 39,916	\$ 42,197
Software & Computer Services	\$ 45,141	\$ 44,526	\$ 46,045	\$ 47,924	\$ 51,612	\$ 52,846	\$ 57,012	\$ 63,792	\$ 70,007	\$ 79,360
Visitor Industry Services	\$ 13,037	\$ 13,142	\$ 13,180	\$ 13,183	\$ 13,100	\$ 13,347	\$ 14,420	\$ 15,676	\$ 16,320	\$ 17,089
Total Cluster Average Wage:	\$ 27,635	\$ 29,723	\$ 30,188	\$ 30,401	\$ 31,263	\$ 32,368	\$ 34,423	\$ 36,560	\$ 41,273	\$ 45,549
Non Cluster Average Wage:	\$ 23,576	\$ 24,302	\$ 24,482	\$ 25,604	\$ 26,090	\$ 26,852	\$ 28,306	\$ 29,767	\$ 31,047	\$ 33,145
Wage Ratio: Cluster / Non-Cluster:	117.2%	122.3%	123.3%	118.7%	119.8%	120.5%	121.6%	122.8%	132.9%	137.4%
Average Wage for Entire Region:	\$ 24,999	\$ 26,221	\$ 26,502	\$ 27,260	\$ 27,860	\$ 28,793	\$ 30,470	\$ 32,171	\$ 34,713	\$ 37,571

Average Annual Growth Rate: 1991 - 2000

Cluster:	Employment	Payroll	Avg. Wage
Biomedical Products	-2.0%	2.0%	4.9%
Biotechnology & Pharmaceuticals	9.7%	27.5%	9.5%
Business Services	9.3%	18.5%	5.0%
Communications	11.3%	53.7%	21.0%
Computer & Electronics Manufacturing	0.4%	10.6%	9.9%
Defense Manufacturing	-6.2%	-4.0%	5.0%
Entertainment & Amusement	4.0%	9.5%	4.0%
Environmental Technology	4.6%	11.1%	4.6%
Financial Services	3.7%	15.3%	8.7%
Fruit and Vegetables	0.9%	6.4%	5.1%
Horticulture	1.0%	6.3%	4.8%
Medical Services	0.8%	4.5%	3.4%
Recreational Goods	13.7%	34.3%	9.3%
Software & Computer Services	15.4%	35.4%	8.4%
Visitor Industry Services	1.4%	5.2%	3.5%
Total Cluster:	2.8%	11.8%	7.2%
Non Cluster:	2.4%	7.9%	4.5%
Region Total:	2.5%	9.4%	5.6%

Unemployment Rate

Metropolitan Regions	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
	Actual									Forecast	
Atlanta, GA	4.934	4.602	6.420	5.285	4.678	4.320	3.793	3.685	3.300	3.109	2.812
Austin-San Marcos, TX	4.930	4.558	4.217	3.641	3.200	2.909	3.002	3.066	2.630	2.225	2.035
Baltimore, MD	5.105	6.588	7.586	7.149	5.841	5.600	5.380	5.630	5.137	3.991	3.887
Boston, MA-NH NECMA	5.968	8.725	8.349	6.664	5.703	5.108	4.127	3.814	3.165	3.085	2.542
Denver-Boulder, CO	4.585	4.616	5.350	4.789	3.897	3.769	3.793	2.836	3.149	2.394	2.197
Houston, TX	5.074	5.657	7.126	7.340	6.464	5.723	5.235	5.030	4.112	4.489	4.169
Miami-Ft Lauderdale, FL	6.264	8.238	9.756	7.693	7.688	6.724	6.454	6.231	5.666	5.098	4.850
Minneapolis-St. Paul, MN	4.118	4.513	4.568	4.390	3.236	2.903	3.091	2.491	1.982	2.208	2.230
Norfolk-Va Beach VA	4.580	5.640	6.312	5.397	5.722	4.937	4.827	4.760	3.437	3.351	2.939
Orange, CA	3.787	5.214	6.768	6.742	5.743	5.070	4.099	3.239	2.900	2.650	2.486
Phoenix-Mesa, AZ	4.432	4.917	6.606	5.035	4.713	3.468	3.721	3.048	2.713	3.061	2.609
Pittsburgh, PA	5.050	6.147	7.081	7.031	6.332	5.903	4.990	4.937	4.558	4.328	4.045
Portland-Salem, OR-WA	4.275	4.905	6.729	5.980	4.290	3.725	4.532	4.294	4.281	4.489	3.888
Raleigh-Durham, NC	2.961	3.940	3.795	3.134	2.664	2.552	2.322	1.915	1.740	1.559	1.667
Sacramento, CA	4.685	6.556	8.155	8.224	7.070	6.737	5.964	5.343	4.844	4.008	3.936
San Diego, CA	4.412	6.123	7.329	7.732	7.019	6.374	5.273	4.230	3.531	3.083	2.957
San Francisco, CA	3.543	4.801	5.929	5.893	5.437	5.049	3.961	3.296	2.966	2.414	2.096
San Jose, CA	3.989	5.501	6.945	6.806	6.216	4.932	3.612	3.020	3.230	3.017	1.967
Seattle-Tacoma, WA	3.645	5.126	6.520	6.519	5.651	5.297	4.975	3.327	3.097	3.377	3.428
Tampa-St. Pete., FL	5.118	6.426	7.112	6.393	5.307	4.353	3.914	3.476	3.056	2.727	2.732
Washington, DC	3.465	4.716	5.279	4.718	4.085	4.177	3.884	3.654	3.193	2.596	2.284
California	5.762	7.728	9.289	9.383	8.592	7.844	7.221	6.300	5.931	5.211	4.925
United States	5.617	6.850	7.492	6.908	6.100	5.592	5.408	4.950	4.508	4.233	4.008
Source:	DRI; Bureau of Economic Analysis; US Census Bureau; Bureau of Labor Statistics										

Consumer Price Index, All Items, Base Year = 1984 [Unless Noted]

Metropolitan Regions	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Atlanta, GA	131.7	135.9	138.5	143.4	146.7	150.9	156.0	158.9	161.2	164.8	170.6
Austin-San Marcos, TX	127.9	132.9	136.5	140.8	144.7	149.0	153.6	156.9	158.9	162.0	167.2
Baltimore, MD	84.8	88.5	90.9	92.8	95.3	97.1	100.0	101.2	102.3	104.2	107.4
Boston, MA-NH NECMA	138.9	145.0	148.6	152.9	154.9	158.6	163.3	167.9	171.7	176.0	183.6
Denver-Boulder, CO	120.9	125.6	130.3	135.8	141.8	147.9	153.1	158.1	161.9	166.6	173.2
Houston, TX	120.6	125.1	129.1	133.4	137.9	139.8	142.7	145.4	146.8	148.7	154.2
Miami-Ft Lauderdale, FL	128.0	132.3	134.5	139.1	143.6	148.9	153.7	158.4	160.5	162.4	167.8
Minneapolis-St.Paul, MN	127.0	130.4	135.0	139.2	143.6	147.0	151.9	155.4	158.3	163.3	170.1
Norfolk-Va Beach VA	128.5	133.6	136.9	141.2	145.0	148.7	152.7	155.8	158.0	161.2	166.9
Orange, CA	135.9	141.4	146.5	150.3	152.3	154.6	157.5	160.0	162.3	166.1	171.6
Phoenix-Mesa, AZ	133.2	139.1	144.0	148.0	151.0	154.0	157.7	161.5	165.1	169.9	176.4
Pittsburgh, PA	126.2	131.3	136.0	139.9	144.6	149.2	153.2	157.0	159.2	162.5	168.0
Portland-Salem, OR-WA	127.4	133.9	139.8	144.7	148.9	153.2	158.6	164.0	167.1	172.6	178.0
Raleigh-Durham, NC	127.9	132.9	136.5	140.8	144.7	149.0	153.6	156.9	158.9	162.0	167.2
Sacramento, CA	133.2	139.1	144.0	148.0	151.0	154.0	157.7	161.5	165.1	169.9	176.4
San Diego, CA	138.4	143.4	147.4	150.6	154.5	156.8	160.9	163.7	166.9	172.8	182.8
San Francisco, CA	132.1	137.9	142.5	146.3	148.7	151.6	155.1	160.4	165.5	172.5	180.2
San Jose, CA	132.1	137.9	142.5	146.3	148.7	151.6	155.1	160.4	165.5	172.5	180.2
Seattle-Tacoma, WA	126.8	134.1	139.0	142.9	147.8	152.3	157.5	163.0	167.7	172.8	179.2
Tampa-St. Pete., FL	111.7	116.4	119.2	124.0	126.5	129.7	131.6	134.0	137.5	140.6	145.7
Washington, DC	85.0	88.5	90.7	93.5	95.4	95.7	100.0	100.8	102.1	104.2	107.6
California	131.5	137.3	142.0	146.2	149.6	153.5	157.6	161.4	164.4	168.9	174.8
United States	130.7	136.2	140.3	144.5	148.2	152.4	156.9	160.5	163.0	166.6	172.2
Source:	Bureau of Labor Statistics and US Census Bureau Statistical Abstracts										
Notes:	Washington, DC and Baltimore Maryland were reported as one CMSA beginning 1996. Thus, the base year is 1996 and the more recent data are spliced to the earlier data.										
	Austin, TX and Raleigh-Durham, NC use the data for the area described as "South Urban".										
	Phoenix, AZ and Sacramento, CA use the data for the area described as "West Class Size A".										
	San Francisco, CA and San Jose, CA use the data for the San Francisco-Oakland-San Jose, CA CMSA.										
	Orange uses the data for the Los Angeles-Riverside-Orange County, CA CMSA.										
	Norfolk-Virginia Beach-Newport News use data for the South - size class A from 1993 on.										

Consumer Price Index, All Items, Base Year = 1990

Metropolitan Regions	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Atlanta, GA	100.0	103.2	105.2	108.9	111.4	114.6	118.5	120.7	122.4	125.1	129.5
Austin-San Marcos, TX	100.0	103.9	106.7	110.1	113.1	116.5	120.1	122.7	124.2	126.7	130.7
Baltimore, MD	100.0	104.3	107.1	109.4	112.3	114.4	117.9	119.3	120.6	122.8	126.6
Boston, MA-NH NECMA	100.0	104.4	107.0	110.1	111.5	114.2	117.6	120.9	123.6	126.7	132.2
Denver-Boulder, CO	100.0	103.9	107.8	112.3	117.3	122.3	126.6	130.8	133.9	137.8	143.3
Houston, TX	100.0	103.7	107.0	110.6	114.3	115.9	118.3	120.6	121.7	123.3	127.9
Miami-Ft Lauderdale, FL	100.0	103.4	105.1	108.7	112.2	116.3	120.1	123.8	125.4	126.9	131.1
Minneapolis-St.Paul, MN	100.0	102.7	106.3	109.6	113.1	115.7	119.6	122.4	124.6	128.6	133.9
Norfolk-Va Beach VA	100.0	104.0	106.5	109.9	112.8	115.7	118.8	121.2	123.0	125.4	129.9
Orange, CA	100.0	104.0	107.8	110.6	112.1	113.8	115.9	117.7	119.4	122.2	126.3
Phoenix-Mesa, AZ	100.0	104.4	108.1	111.1	113.4	115.6	118.4	121.2	123.9	127.6	132.4
Pittsburgh, PA	100.0	104.0	107.8	110.9	114.6	118.2	121.4	124.4	126.1	128.8	133.1
Portland-Salem, OR-WA	100.0	105.1	109.7	113.6	116.9	120.3	124.5	128.7	131.2	135.5	139.7
Raleigh-Durham, NC	100.0	103.9	106.7	110.1	113.1	116.5	120.1	122.7	124.2	126.7	130.7
Sacramento, CA	100.0	104.4	108.1	111.1	113.4	115.6	118.4	121.2	123.9	127.6	132.4
San Diego, CA	100.0	103.6	106.5	108.8	111.6	113.3	116.3	118.3	120.6	124.9	132.1
San Francisco, CA	100.0	104.4	107.9	110.7	112.6	114.8	117.4	121.4	125.3	130.6	136.4
San Jose, CA	100.0	104.4	107.9	110.7	112.6	114.8	117.4	121.4	125.3	130.6	136.4
Seattle-Tacoma, WA	100.0	105.8	109.6	112.7	116.6	120.1	124.2	128.5	132.3	136.3	141.3
Tampa-St. Pete., FL	100.0	104.2	106.7	111.0	113.2	116.1	117.8	120.0	123.1	125.9	130.4
Washington, DC	100.0	104.1	106.7	110.1	112.2	112.6	117.7	118.6	120.2	122.6	126.6
California	100.0	104.4	108.0	111.2	113.8	116.7	119.8	122.7	125.0	128.4	132.9
United States	100.0	104.2	107.3	110.6	113.4	116.6	120.0	122.8	124.7	127.5	131.8
Source:	Bureau of Labor Statistics and US Census Bureau Statistical Abstracts										
Notes:	Original data uses 1984 for the base year										
	Rebases the CPI table so all regions have 1990 as the Base Year.										

Consumer Price Index, Housing Component, Base Year = 1984 [Unless Noted]

Metropolitan Regions	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Atlanta, GA	128.8	130.6	132.7	136.6	140.1	146.2	151.8	156.4	161.1	165.1	171.0
Austin-San Marcos, TX	121.8	125.6	128.8	132.8	136.4	140.0	145.0	148.4	150.9	153.6	157.9
Baltimore, MD	89.6	91.2	92.8	94.4	96.3	97.2	100.0	101.0	103.1	105.5	108.9
Boston, MA-NH NECMA	137.0	140.9	143.5	146.4	147.9	151.6	157.2	162.5	165.8	170.3	179.6
Denver-Boulder, CO	109.8	114.1	118.1	124.1	131.1	136.5	142.6	147.7	154.4	161.9	170.2
Houston, TX	104.8	109.5	113.2	116.8	120.4	121.1	123.9	126.1	129.6	132.1	137.2
Miami-Ft Lauderdale, FL	120.4	123.7	126.2	130.4	135.2	139.9	145.1	150.2	153.5	155.2	158.6
Minneapolis-St.Paul, MN	118.5	120.6	124.9	128.1	129.6	132.7	138.0	140.8	145.0	149.2	156.2
Norfolk-Va Beach VA	122.1	126.0	128.9	132.7	136.4	139.3	143.2	146.2	150.0	153.2	158.2
Orange, CA	139.3	144.9	148.6	150.4	151.0	152.2	154.1	156.6	160.1	164.5	170.8
Phoenix-Mesa, AZ	135.5	141.5	145.7	148.7	151.2	153.7	156.7	161.5	167.3	173.9	182.0
Pittsburgh, PA	124.8	131.4	135.8	139.1	145.2	150.1	153.1	156.2	160.1	162.2	165.5
Portland-Salem, OR-WA	122.6	130.4	138.2	143.7	149.5	154.6	158.3	162.5	168.4	174.5	178.1
Raleigh-Durham, NC	121.8	125.6	128.8	132.8	136.4	140.0	145.0	148.4	150.9	153.6	157.9
Sacramento, CA	135.5	141.5	145.7	148.7	151.2	153.7	156.7	161.5	167.3	173.9	182.0
San Diego, CA	139.2	144.1	148.2	149.5	153.4	155.8	159.9	163.5	170.1	178.2	190.5
San Francisco, CA	137.3	142.7	146.2	149.2	151.5	154.5	157.4	165.6	174.4	185.6	197.0
San Jose, CA	137.3	142.7	146.2	149.2	151.5	154.5	157.4	165.6	174.4	185.6	197.0
Seattle-Tacoma, WA	125.4	134.0	139.3	143.5	147.9	151.5	156.9	164.4	170.9	177.3	184.8
Tampa-St. Pete., FL	108.3	111.2	113.4	116.7	121.4	123.8	126.6	129.0	132.2	135.3	139.4
Washington, DC	87.6	90.3	92.2	94.9	96.7	96.4	100.0	101.0	103.1	105.5	108.9
California	130.9	136.9	141.2	144.6	148.0	151.8	155.2	159.5	164.4	169.7	176.4
United States	128.5	133.6	137.5	141.2	144.8	148.5	152.8	156.8	160.4	163.9	169.6
Source:	Bureau of Labor Statistics and US Census Bureau Statistical Abstracts										
Notes:	Washington, DC and Baltimore Maryland were reported as one CMSA beginning 1996. Thus, the base year is 1996 and the more recent data are spliced to the earlier data.										
	Austin, TX and Raleigh-Durham, NC use the data for the area described as "South Urban".										
	Phoenix, AZ and Sacramento, CA use the data for the area described as "West Class Size A".										
	San Francisco, CA and San Jose, CA use the data for the San Francisco-Oakland-San Jose, CA CMSA.										
	Orange uses the data for the Los Angeles-Riverside-Orange County, CA CMSA.										
	Norfolk-Virginia Beach-Newport News use data for the South - size class A from 1993 on.										

Consumer Price Index, Housing Component, Base Year = 1990

Metropolitan Regions	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	
Atlanta, GA	100.0	101.4	103.0	106.1	108.8	113.5	117.9	121.4	125.1	128.2	132.8	
Austin-San Marcos, TX	100.0	103.1	105.7	109.0	112.0	114.9	119.0	121.8	123.9	126.1	129.6	
Baltimore, MD	100.0	101.7	103.5	105.3	107.5	108.5	111.6	112.7	115.0	117.7	121.5	
Boston, MA-NH NECMA	100.0	102.8	104.7	106.9	108.0	110.7	114.7	118.6	121.0	124.3	131.1	
Denver-Boulder, CO	100.0	103.9	107.6	113.0	119.4	124.3	129.9	134.5	140.6	147.4	155.0	
Houston, TX	100.0	104.5	108.0	111.5	114.9	115.6	118.2	120.3	123.7	126.0	130.9	
Miami-Ft Lauderdale, FL	100.0	102.7	104.8	108.3	112.3	116.2	120.5	124.8	127.5	128.9	131.7	
Minneapolis-St.Paul, MN	100.0	101.8	105.4	108.1	109.4	112.0	116.5	118.8	122.4	125.9	131.8	
Norfolk-Va Beach VA	100.0	103.2	105.6	108.7	111.7	114.1	117.3	119.7	122.9	125.5	129.6	
Orange, CA	100.0	104.0	106.7	108.0	108.4	109.3	110.6	112.4	114.9	118.1	122.6	
Phoenix-Mesa, AZ	100.0	104.4	107.5	109.7	111.6	113.4	115.6	119.2	123.5	128.3	134.3	
Pittsburgh, PA	100.0	105.3	108.8	111.5	116.3	120.3	122.7	125.2	128.3	130.0	132.6	
Portland-Salem, OR-WA	100.0	106.4	112.7	117.2	121.9	126.1	129.1	132.5	137.4	142.3	145.3	
Raleigh-Durham, NC	100.0	103.1	105.7	109.0	112.0	114.9	119.0	121.8	123.9	126.1	129.6	
Sacramento, CA	100.0	104.4	107.5	109.7	111.6	113.4	115.6	119.2	123.5	128.3	134.3	
San Diego, CA	100.0	103.5	106.5	107.4	110.2	111.9	114.9	117.5	122.2	128.0	136.9	
San Francisco, CA	100.0	103.9	106.5	108.7	110.3	112.5	114.6	120.6	127.0	135.2	143.5	
San Jose, CA	100.0	103.9	106.5	108.7	110.3	112.5	114.6	120.6	127.0	135.2	143.5	
Seattle-Tacoma, WA	100.0	106.9	111.1	114.4	117.9	120.8	125.1	131.1	136.3	141.4	147.4	
Tampa-St. Pete., FL	100.0	102.7	104.7	107.8	112.1	114.3	116.9	119.1	122.1	124.9	128.7	
Washington, DC	100.0	103.1	105.3	108.3	110.5	110.1	114.2	115.3	117.7	120.5	124.4	
California	100.0	104.6	107.9	110.5	113.1	116.0	118.6	121.8	125.6	129.6	134.8	
United States	100.0	104.0	107.0	109.9	112.7	115.6	118.9	122.0	124.8	127.5	132.0	
Source:	Bureau of Labor Statistics and US Census Bureau Statistical Abstracts											
Notes:	Original data uses 1984 for the base year											
	Rebases the CPI table so all regions have 1990 as the Base Year.											

Venture Capital - Millions of Dollars Invested

Metropolitan Regions	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Atlanta, GA	30.9	44.3	139.4	223.1	93.4	82.7	223.9	420.1	501.3	1,198.5	2,414.4
Austin-San Marcos, TX	43.8	30.6	55.8	14.0	20.3	74.3	95.8	207.4	324.6	1,084.1	2,425.5
Baltimore, MD	37.3	22.8	14.6	13.5	29.1	51.4	39.6	173.5	256.3	807.1	1,049.7
Boston, MA-NH NECMA	349.6	257.1	665.6	342.7	453.0	430.9	971.2	2,056.1	2,159.2	4,721.7	9,356.2
Denver-Boulder, CO	89.4	48.5	126.1	145.7	170.1	121.2	288.0	336.2	651.8	2,006.8	4,410.4
Houston, TX	33.6	6.0	15.2	37.1	60.0	13.5	56.0	225.4	280.6	513.1	681.5
Miami-Ft Lauderdale, FL	21.4	26.4	40.3	61.3	64.5	26.7	133.0	224.7	104.4	609.3	1,022.1
Minneapolis-St.Paul, MN	80.4	37.1	55.3	38.8	45.8	158.8	111.5	231.4	560.0	345.6	762.9
Norfolk-Va Beach VA	7.7			5.1	10.4	2.0	18.7	5.1	71.3	21.5	3.8
Orange, CA	101.5	90.3	75.5	78.0	105.8	212.5	234.2	347.5	476.9	1,126.4	1,425.6
Phoenix-Mesa, AZ	52.8	49.8	108.3	37.7	34.5	70.6	117.4	158.0	117.1	160.5	559.3
Pittsburgh, PA	43.1	3.9	18.0	5.8	44.6	9.9	11.3	48.0	107.4	232.3	593.3
Portland-Salem, OR-WA	15.8	34.9	49.7	20.3	22.1	22.6	65.2	87.8	50.0	481.7	1,048.3
Raleigh-Durham, NC	21.9	15.5	52.7	11.8	21.5	34.6	198.1	161.6	227.0	580.7	966.2
Sacramento, CA	21.8	7.7	16.2	15.6	9.9	16.8	9.6	15.8	67.1	81.4	128.0
San Diego, CA	144.7	120.6	122.1	459.2	232.3	234.7	763.6	470.3	544.9	1,549.4	2,185.2
San Francisco, CA	293.5	273.2	368.8	1,249.9	431.6	827.9	1,516.0	1,880.0	2,641.2	9,812.3	16,284.3
San Jose, CA	357.0	328.7	479.7	386.8	487.6	645.1	1,535.7	2,072.8	2,392.9	6,184.3	12,699.3
Seattle-Tacoma, WA	53.0	36.2	67.9	70.5	181.8	261.0	344.3	379.8	588.3	2,038.6	2,794.6
Tampa-St. Pete., FL	14.9	4.7	1.5	0.0	29.7	22.5	21.9	47.9	81.2	167.9	360.8
Washington, DC	44.3	26.5	62.6	50.6	42.3	96.5	288.8	364.8	615.8	2,155.3	3,792.0
California	1,238	1,047	1,545	2,479	1,716	2,412	4,811	6,644	8,074	24,212	41,588
United States	3,479	2,614	5,327	5,097	5,545	5,814	11,677	17,141	22,778	58,804	102,781
Source:	Venture Economics / National Venture Capital Association.										
Note:	Metropolitan areas based on telephone area codes										

Venture Capital Share of Local Economy

Metropolitan Regions	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Atlanta, GA	0.0%	0.1%	0.2%	0.2%	0.1%	0.1%	0.2%	0.3%	0.4%	0.8%	1.5%
Austin-San Marcos, TX	0.2%	0.2%	0.3%	0.1%	0.1%	0.2%	0.3%	0.6%	0.8%	2.5%	5.0%
Baltimore, MD	0.1%	0.0%	0.0%	0.0%	0.0%	0.1%	0.1%	0.2%	0.3%	0.9%	1.1%
Boston, MA-NH NECMA	0.3%	0.2%	0.5%	0.2%	0.3%	0.3%	0.5%	1.1%	1.0%	2.1%	3.9%
Denver-Boulder, CO	0.2%	0.1%	0.3%	0.3%	0.3%	0.2%	0.4%	0.5%	0.8%	2.4%	4.8%
Houston, TX	0.0%	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%	0.2%	0.2%	0.3%	0.4%
Miami-Ft Lauderdale, FL	0.0%	0.0%	0.1%	0.1%	0.1%	0.0%	0.1%	0.2%	0.1%	0.6%	0.9%
Minneapolis-St.Paul, MN	0.1%	0.1%	0.1%	0.1%	0.1%	0.2%	0.1%	0.2%	0.5%	0.3%	0.6%
Norfolk-Va Beach VA	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.2%	0.0%	0.0%
Orange, CA	0.1%	0.1%	0.1%	0.1%	0.1%	0.2%	0.3%	0.3%	0.4%	0.9%	1.1%
Phoenix-Mesa, AZ	0.1%	0.1%	0.2%	0.1%	0.1%	0.1%	0.1%	0.2%	0.1%	0.2%	0.5%
Pittsburgh, PA	0.1%	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%	0.1%	0.2%	0.3%	0.7%
Portland-Salem, OR-WA	0.0%	0.1%	0.1%	0.0%	0.0%	0.0%	0.1%	0.1%	0.1%	0.7%	1.5%
Raleigh-Durham, NC	0.1%	0.1%	0.2%	0.0%	0.1%	0.1%	0.6%	0.5%	0.6%	1.4%	2.2%
Sacramento, CA	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.1%	0.2%
San Diego, CA	0.2%	0.2%	0.2%	0.7%	0.3%	0.3%	1.0%	0.6%	0.6%	1.6%	2.1%
San Francisco, CA	0.4%	0.4%	0.5%	1.8%	0.6%	1.1%	1.9%	2.1%	2.8%	9.9%	15.2%
San Jose, CA	0.7%	0.7%	1.0%	0.7%	0.9%	1.1%	2.5%	3.1%	3.3%	8.1%	14.9%
Seattle-Tacoma, WA	0.1%	0.1%	0.1%	0.1%	0.2%	0.3%	0.4%	0.4%	0.6%	1.9%	2.4%
Tampa-St. Pete., FL	0.0%	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%	0.1%	0.1%	0.2%	0.4%
Washington, DC	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.2%	0.2%	0.3%	1.1%	1.7%
California	0.2%	0.1%	0.2%	0.3%	0.2%	0.3%	0.5%	0.6%	0.7%	2.0%	3.2%
United States	0.1%	0.0%	0.1%	0.1%	0.1%	0.1%	0.1%	0.2%	0.3%	0.6%	1.0%
Note: Venture Capital raised is divided by the region's GMP to estimate the relative importance of the VC dollars raised.											

Venture Capital - Number Firms Receiving Funding

Metropolitan Regions	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Atlanta, GA	29	25	32	39	30	31	47	78	91	110	168
Austin-San Marcos, TX	14	8	17	10	11	12	27	43	45	96	133
Baltimore, MD	19	18	14	12	10	10	16	20	27	30	44
Boston, MA-NH NECMA	151	124	119	125	130	136	210	272	327	399	548
Denver-Boulder, CO	38	32	44	37	40	33	51	64	94	112	137
Houston, TX	17	9	10	10	8	6	23	23	31	27	44
Miami-Ft Lauderdale, FL	9	3	10	7	5	7	18	28	15	28	50
Minneapolis-St.Paul, MN	29	21	22	23	20	27	34	56	53	48	52
Norfolk-Va Beach VA	2			2	1	1	2	1	2	3	2
Orange, CA	40	33	36	22	29	30	48	64	66	83	106
Phoenix-Mesa, AZ	15	13	19	14	18	24	30	31	11	18	47
Pittsburgh, PA	10	5	13	6	7	5	6	15	21	28	45
Portland-Salem, OR-WA	14	13	16	10	12	10	21	26	16	33	47
Raleigh-Durham, NC	9	9	11	11	11	12	34	42	52	63	84
Sacramento, CA	10	5	10	6	6	5	6	5	7	10	12
San Diego, CA	46	37	47	42	60	63	78	92	102	116	162
San Francisco, CA	114	100	133	107	123	175	248	297	400	632	778
San Jose, CA	127	124	146	128	137	158	238	278	331	403	545
Seattle-Tacoma, WA	21	22	30	22	33	45	61	68	91	135	187
Tampa-St. Pete., FL	8	4	4	1	4	5	5	7	11	14	15
Washington, DC	21	20	22	20	18	20	40	65	78	111	203
California	439	395	483	397	456	529	753	936	1,141	1,567	2,068
United States	1,319	1,092	1,300	1,157	1,203	1,339	2,007	2,685	3,165	3,961	5,535
Source:	Venture Economics / National Venture Capital Association										
Note:	Metropolitan areas based on telephone area codes										

Venture Capital - Companies Receiving Funding per 1,000,000 Population

Metropolitan Regions	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Atlanta, GA	9.7	8.2	10.2	12.1	9.0	9.0	13.3	21.5	24.3	28.5	40.9
Austin-San Marcos, TX	16.5	9.1	18.9	10.7	11.4	12.0	26.1	40.3	40.7	83.8	106.4
Baltimore, MD	8.0	7.5	5.8	4.9	4.1	4.1	6.5	8.1	10.9	12.0	17.2
Boston, MA-NH NECMA	27.7	22.8	21.9	22.9	23.7	24.6	37.8	48.6	58.1	70.4	94.2
Denver-Boulder, CO	19.1	15.8	21.1	17.3	18.3	14.8	22.5	27.6	39.8	46.3	53.1
Houston, TX	5.1	2.6	2.8	2.8	2.2	1.6	6.1	6.0	7.9	6.7	10.5
Miami-Ft Lauderdale, FL	2.8	0.9	3.0	2.1	1.5	2.0	5.1	7.8	4.1	7.5	12.9
Minneapolis-St.Paul, MN	11.4	8.1	8.4	8.7	7.4	9.9	12.3	20.0	18.7	16.7	17.5
Norfolk-Va Beach VA	1.4	-	-	1.3	0.7	0.7	1.3	0.6	1.3	1.9	1.3
Orange, CA	16.5	13.5	14.5	8.8	11.4	11.7	18.4	24.0	24.2	30.1	37.2
Phoenix-Mesa, AZ	6.7	5.6	8.0	5.7	7.1	9.0	10.9	10.9	3.8	6.0	14.5
Pittsburgh, PA	4.2	2.1	5.4	2.5	2.9	2.1	2.5	6.4	9.0	12.0	19.1
Portland-Salem, OR-WA	7.8	7.0	8.4	5.1	6.0	4.9	10.1	12.3	7.4	15.1	20.7
Raleigh-Durham, NC	10.4	10.2	12.1	11.8	11.4	12.1	33.3	40.0	48.2	57.0	70.7
Sacramento, CA	6.6	3.2	6.3	3.8	3.7	3.1	3.6	3.0	4.1	5.7	6.7
San Diego, CA	18.3	14.5	18.1	16.1	22.8	23.8	29.2	33.8	36.9	41.1	57.6
San Francisco, CA	71.1	62.0	82.0	65.6	75.1	106.6	150.0	177.7	237.6	374.9	449.4
San Jose, CA	84.8	82.2	95.8	83.1	88.4	100.8	149.3	171.4	201.6	244.6	323.9
Seattle-Tacoma, WA	7.0	7.2	9.6	6.9	10.3	13.8	18.5	20.2	26.6	39.0	52.6
Tampa-St. Pete., FL	3.9	1.9	1.9	0.5	1.9	2.3	2.3	3.1	4.9	6.1	6.3
Washington, DC	5.0	4.7	5.1	4.5	4.0	4.5	8.8	14.1	16.7	23.4	41.2
California	14.7	13.0	15.6	12.7	14.6	16.8	23.7	29.1	34.9	47.3	61.1
United States	5.3	4.3	5.1	4.5	4.6	5.1	7.6	10.0	11.7	14.5	19.7

Initial Public Offerings - Millions of Dollars Raised

Metropolitan Regions	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Atlanta, GA	11.8	111.0	204.8	325.0	677.4	176.2	740.3	351.3	251.4	4,762.80	1,826.20
Austin-San Marcos, TX		27.8	58.6	76.1	10.0	174.1	161.4	126.4	482.8	464.8	487.2
Baltimore, MD	47.0			352.8	92.5	120.6	19.3	43.2	166.8		497.6
Boston, MA-NH NECMA	2.5	116.9	99.3	303.3	211.6	534.5	303.4	884.4	438.5	203.7	1,772.8
Denver-Boulder, CO	29.2	73.0	113.4	236.0	363.6	111.0	623.3	682.1	114.4	196.3	472.8
Houston, TX	966.0	456.3	639.7	1,680.40	1,328.80	776.0	1,587.80	1,632.00	5,313.30	1,190.50	865.4
Miami-Ft Lauderdale, FL	42.1	41.7	114.4	314.4	469.7	287.1	569.1	359.1	1,559.9	136.0	282.9
Minneapolis-St.Paul, MN	22.0	39.0	147.7	177.3	185.1	97.9	217.7	14.9	78.2	283.8	534.2
Norfolk-Va Beach VA		29.0	120.0	51.80				57.0	9.4		
Orange, CA		34.5	-	-	-	-	-	195.9	-	-	-
Phoenix-Mesa, AZ	27.7	47.1	58.1	339.4	140.9	175.8	148.7	162.0	159.3	81.6	530.3
Pittsburgh, PA	-	216.6	315.2	276.5	96.1	116.1	345.6	38.0	266.9	675.7	-
Portland-Salem, OR-WA	-	20.3	-	114.8	237.2	63.4	31.0	20.7	276.7	362.0	-
Raleigh-Durham, NC		58.4	98.0	85.7	465.0	32.0	60.3	71.3		82.3	143.2
Sacramento, CA			18.6	43.00	9.0						
San Diego, CA	3.3	305.5	519.5	353.5	118.6	201.8	242.5	354.1	78.6	586.7	981.0
San Francisco, CA		99.2	197.4	801.5		791.3	243.5	581.5	364.8	1,621.1	721.9
San Jose, CA	120.1	168.1	94.4	292.5	366.0	398.8	585.0	294.4	256.1	529.3	910.8
Seattle-Tacoma, WA	-	5.8	46.4	355.6	78.1	384.9	61.0	442.4	37.8	597.4	402.3
Tampa-St. Pete., FL	30.0	68.7	212.7	97.6	56.1	113.5	281.7	214.3	122.1	154.2	-
Washington, DC		114.1	195.1	172.0	2.2	88.4	167.7	654.6	324.5	396.0	152.2
California	1,018	2,277	2,958	6,526	2,314	5,698	8,133	6,074	3,383	14,816	13,252
USA	4,520	15,435	23,028	38,050	23,134	27,533	42,943	35,316	32,557	56,204	52,231
Source:	Thomson Financial										

IPO Share of Local Economy

Metropolitan Regions	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Atlanta, GA	0.02%	0.14%	0.24%	0.35%	0.67%	0.16%	0.62%	0.27%	0.18%	3.12%	1.11%
Austin-San Marcos, TX	0.00%	0.14%	0.26%	0.31%	0.04%	0.58%	0.49%	0.35%	1.22%	1.07%	1.01%
Baltimore, MD	0.08%	0.00%	0.00%	0.53%	0.13%	0.16%	0.03%	0.05%	0.20%	0.00%	0.52%
Boston, MA-NH NECMA	0.00%	0.08%	0.07%	0.20%	0.13%	0.31%	0.17%	0.46%	0.21%	0.09%	0.74%
Denver-Boulder, CO	0.07%	0.16%	0.24%	0.46%	0.65%	0.19%	0.97%	0.96%	0.15%	0.23%	0.52%
Houston, TX	1.05%	0.48%	0.64%	1.60%	1.20%	0.66%	1.24%	1.17%	3.57%	0.75%	0.49%
Miami-Ft Lauderdale, FL	0.06%	0.06%	0.15%	0.39%	0.55%	0.32%	0.61%	0.36%	1.50%	0.12%	0.24%
Minneapolis-St.Paul, MN	0.03%	0.06%	0.20%	0.23%	0.23%	0.11%	0.24%	0.01%	0.07%	0.25%	0.44%
Norfolk-Va Beach VA	0.00%	0.09%	0.37%	0.15%	0.00%	0.00%	0.00%	0.13%	0.02%	0.00%	0.00%
Orange, CA	0.00%	0.04%	0.00%	0.00%	0.00%	0.00%	0.00%	0.19%	0.00%	0.00%	0.00%
Phoenix-Mesa, AZ	0.06%	0.10%	0.11%	0.58%	0.21%	0.24%	0.19%	0.18%	0.17%	0.08%	0.46%
Pittsburgh, PA	0.00%	0.42%	0.58%	0.49%	0.16%	0.19%	0.53%	0.06%	0.37%	0.89%	0.00%
Portland-Salem, OR-WA	0.00%	0.06%	0.00%	0.28%	0.53%	0.13%	0.06%	0.03%	0.43%	0.54%	0.00%
Raleigh-Durham, NC	0.00%	0.27%	0.40%	0.33%	1.67%	0.11%	0.19%	0.20%	0.00%	0.20%	0.32%
Sacramento, CA	0.00%	0.00%	0.05%	0.11%	0.02%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
San Diego, CA	0.01%	0.49%	0.83%	0.55%	0.18%	0.29%	0.33%	0.44%	0.09%	0.61%	0.94%
San Francisco, CA	0.00%	0.14%	0.28%	1.13%	0.00%	1.03%	0.30%	0.66%	0.39%	1.63%	0.67%
San Jose, CA	0.25%	0.34%	0.19%	0.57%	0.69%	0.70%	0.94%	0.43%	0.35%	0.69%	1.07%
Seattle-Tacoma, WA	0.00%	0.01%	0.07%	0.50%	0.10%	0.50%	0.07%	0.48%	0.04%	0.55%	0.35%
Tampa-St. Pete., FL	0.07%	0.16%	0.46%	0.20%	0.11%	0.20%	0.47%	0.33%	0.17%	0.20%	0.00%
Washington, DC	0.00%	0.09%	0.14%	0.12%	0.00%	0.06%	0.10%	0.38%	0.17%	0.20%	0.07%
California	0.13%	0.28%	0.36%	0.77%	0.26%	0.62%	0.84%	0.58%	0.30%	1.24%	1.02%
USA	0.08%	0.26%	0.36%	0.57%	0.33%	0.37%	0.55%	0.42%	0.37%	0.60%	0.52%
Note:	Dollars raised from IPOs is divided by the region's GMP to estimate the relative importance of the IPO dollars raised.										

Initial Public Offerings - Number of Firms

Metropolitan Regions	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Atlanta, GA	1	7	4	3	9	4	12	11	5	6	6
Austin-San Marcos, TX		1	2	2	2	4	5	4	3	8	5
Baltimore, MD	1			3	3	2	1	1	3		2
Boston, MA-NH NECMA	1	4	5	2	3	8	5	2	6	4	3
Denver-Boulder, CO	3	3	7	6	13	4	16	4	4	5	6
Houston, TX	12	6	16	20	12	13	18	27	16	8	6
Miami-Ft Lauderdale, FL	4	6	6	10	7	6	18	8	7	2	4
Minneapolis-St.Paul, MN	2	7	8	6	8	4	8	1	1	5	2
Norfolk-Va Beach VA		1	1	1				1	1		
Orange, CA		1						2			
Phoenix-Mesa, AZ	2	1	3	4	6	6	7	1	2	2	2
Pittsburgh, PA		2	2	4	2	3	4	2	1	3	
Portland-Salem, OR-WA		1		5	3	4	2	1	2	2	
Raleigh-Durham, NC		2	2	2	5	2	2	2		1	2
Sacramento, CA			2	1	1						
San Diego, CA	1	7	12	12	6	8	9	12	4	8	11
San Francisco, CA		4	4	9		4	6	6	4	16	12
San Jose, CA	3	5	4	13	8	10	10	9	5	9	8
Seattle-Tacoma, WA		1	2	3	2	9	2	9	1	8	5
Tampa-St. Pete., FL	1	3	4	3	4	3	7	5	4	2	
Washington, DC		2	2	1	1	2	2	3	3	3	3
California	39	76	91	127	87	132	183	112	67	169	136
USA	167	354	481	650	546	526	772	535	328	477	349
Source:	Thomson Financial										

IPOs: Number Companies Going Public per 1,000,000 Population

Metropolitan Regions	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Atlanta, GA	.34	2.29	1.28	.93	2.70	1.17	3.40	3.03	1.34	1.56	1.46
Austin-San Marcos, TX	.00	1.14	2.22	2.15	2.07	4.00	4.82	3.75	2.72	6.98	4.00
Baltimore, MD	.42	.00	.00	1.23	1.22	.81	.41	.40	1.21	.00	.78
Boston, MA-NH NECMA	.18	.74	.92	.37	.55	1.45	.90	.36	1.07	.71	.52
Denver-Boulder, CO	1.51	1.48	3.36	2.80	5.95	1.80	7.05	1.73	1.69	2.07	2.32
Houston, TX	3.59	1.75	4.55	5.59	3.30	3.51	4.78	7.03	4.07	1.99	1.44
Miami-Ft Lauderdale, FL	1.25	1.84	1.81	2.98	2.05	1.72	5.07	2.22	1.91	.54	1.03
Minneapolis-St.Paul, MN	.78	2.71	3.06	2.26	2.97	1.47	2.90	.36	.35	1.74	.67
Norfolk-Va Beach VA	.00	.68	.67	.66	.00	.00	.00	.65	.64	.00	.00
Orange, CA	.00	.41	.00	.00	.00	.00	.00	.75	.00	.00	.00
Phoenix-Mesa, AZ	.89	.43	1.27	1.64	2.35	2.25	2.54	.35	.68	.66	.62
Pittsburgh, PA	.00	.83	.83	1.66	.83	1.26	1.69	.85	.43	1.29	.00
Portland-Salem, OR-WA	.00	.54	.00	2.57	1.51	1.98	.96	.47	.93	.92	.00
Raleigh-Durham, NC	.00	2.26	2.20	2.14	5.19	2.01	1.96	1.90	.00	.90	1.68
Sacramento, CA	.00	.00	1.26	.63	.62	.00	.00	.00	.00	.00	.00
San Diego, CA	.40	2.74	4.61	4.60	2.28	3.03	3.37	4.41	1.45	2.84	3.91
San Francisco, CA	.00	2.48	2.47	5.51	.00	2.44	3.63	3.59	2.38	9.49	6.93
San Jose, CA	2.00	3.32	2.62	8.44	5.16	6.38	6.28	5.55	3.05	5.46	4.75
Seattle-Tacoma, WA	.00	.33	.64	.94	.62	2.76	.60	2.67	.29	2.31	1.41
Tampa-St. Pete., FL	.48	1.43	1.89	1.41	1.86	1.38	3.19	2.25	1.77	.88	.00
Washington, DC	.00	.47	.46	.23	.22	.45	.44	.65	.64	.63	.61
California	1.30	2.50	2.95	4.08	2.78	4.19	5.76	3.48	2.05	5.10	4.02
USA	.67	1.40	1.89	2.52	2.10	2.00	2.91	2.00	1.21	1.75	1.24

Initial Public Offerings for 2001

Initial Public Offerings for 2001								
San Diego IPOs								
Trade Date	File Date	Issuer	Ticker Symbol	Total Amount Offered in millions Dollars	Issuer City	Issuer State	SIC Code	Cluster
11/13/2001	07/16/2001	AMN Healthcare Services, Inc	AHS	170	San Diego	CA	8099	Medical Services
11/15/2001	08/24/2001	DJ Orthopedics, Inc.	DJO	153	Vista	CA	3842	Biomedical
03/16/2001	08/14/2000	Surebeam Corporation	SURE	67	San Diego	CA	3556	
Total Amount Raised in San Diego in millions:				\$ 390				
California IPO Totals								
Number IPO's:			22					
Total Amount Raised in millions:				\$ 1,936				
United States IPO Totals								
Number IPO's:			75					
Total Amount Raised in millions:				\$ 34,165				
Source:	Piper Jaffray							
Notes:	Accenture is listed as a domestic company by Piper Jaffray but the firm is not included in the totals because the Securities and Exchange Commission lists them as residing in Bermuda.							

Export Sales in Millions of Nominal Dollars

Metropolitan Regions	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Atlanta, GA				3,871	4,739	5,811	5,891	6,605	7,905	7,575	
Austin-San Marcos, TX				1,722	2,129	2,929	2,743	3,355	3,802	4,931	
Baltimore, MD				1,783	1,869	2,209	2,110	2,171	2,331	2,328	
Boston, MA-NH NECMA				9,287	9,509	10,726	11,715	13,818	13,639	14,563	
Denver-Boulder, CO				1,207	1,592	1,968	2,062	2,432	2,438	2,314	
Houston, TX				12,285	13,388	16,248	16,541	18,596	19,119	18,968	
Miami-Ft Lauderdale, FL				9,586	10,773	11,975	12,546	14,835	15,030	14,335	
Minneapolis-St.Paul, MN				9,004	8,864	11,072	12,384	12,007	11,652	12,401	
Norfolk-Va Beach VA				677	808	1,006	1,257	1,397	1,587	1,390	
Orange, CA				5,653	6,716	8,041	8,309	8,798	8,199	9,324	
Phoenix-Mesa, AZ				4,499	5,561	6,780	7,912	11,108	8,103	7,532	
Pittsburgh, PA				2,990	3,151	3,982	3,934	4,352	4,079	3,940	
Portland-Salem, OR-WA				5,765	6,522	9,043	9,357	9,087	8,422	9,547	
Raleigh-Durham, NC				1,621	1,759	2,093	2,610	2,713	2,666	2,981	
Sacramento, CA				1,076	1,088	1,448	1,909	1,670	1,732	2,338	
San Diego, CA				4,358	4,867	5,861	6,719	7,810	8,592	8,964	
San Francisco, CA				9,265	9,304	8,134	8,560	9,979	9,123	9,035	
San Jose, CA				16,172	19,943	26,823	29,331	29,057	26,112	28,256	
Seattle-Tacoma, WA				24,976	22,582	19,024	22,651	28,512	35,334	33,648	
Tampa-St. Pete., FL				1,296	1,836	2,116	1,922	2,274	2,471	2,404	
Washington, DC				7,251	7,969	8,350	8,084	7,981	7,348	7,213	
California (billions)	44.5	50.4	56.3	57.2	66.3	77.5	93.4	99.2	95.8	97.9	
United States (billions)	537.1	581.2	617.3	642.8	703.4	795.1	852.1	936.9	933.0	956.2	
Source:	US Census Bureau, Exporter Location Series										
Notes:	All figures show sales by exporters of record located in the indicated area. The sales location may or may not coincide with the location of production.										
	Prepared by the Office of Trade and Economic Analysis, International Trade Administration, Dept. of Commerce.										

Ratio of Export Sales per Thousand Dollars of Gross Metropolitan Product

Metropolitan Regions	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Atlanta, GA				41.9	46.9	52.8	49.2	51.2	56.0	49.5	
Austin-San Marcos, TX				69.8	77.7	96.9	83.3	92.9	95.7	113.4	
Baltimore, MD				26.6	26.5	30.2	27.8	26.8	27.4	25.8	
Boston, MA-NH NECMA				61.2	58.5	62.8	64.3	71.2	65.6	65.7	
Denver-Boulder, CO				23.3	28.5	32.8	32.1	34.2	31.3	27.6	
Houston, TX				117.2	121.1	138.2	129.2	133.1	128.4	119.2	
Miami-Ft Lauderdale, FL				120.2	127.2	134.4	134.0	149.8	144.4	130.6	
Minneapolis-St.Paul, MN				118.6	108.6	127.7	134.3	120.1	109.9	109.7	
Norfolk-Va Beach VA				19.9	22.7	26.8	31.6	32.7	34.4	28.6	
Orange, CA				70.5	80.5	91.7	89.8	87.0	74.0	77.9	
Phoenix-Mesa, AZ				76.6	84.4	93.3	98.9	126.3	84.1	72.1	
Pittsburgh, PA				52.5	53.3	63.8	60.9	63.9	57.0	52.0	
Portland-Salem, OR-WA				138.5	144.9	185.4	169.5	152.1	132.0	142.9	
Raleigh-Durham, NC				62.9	63.0	69.7	81.3	77.1	69.7	72.4	
Sacramento, CA				27.9	26.7	33.5	42.0	33.9	32.1	39.7	
San Diego, CA				67.4	73.0	83.4	90.6	96.2	96.9	92.9	
San Francisco, CA				130.4	127.6	105.8	104.9	112.6	96.6	90.8	
San Jose, CA				312.7	374.7	470.0	473.4	428.5	360.1	368.0	
Seattle-Tacoma, WA				350.2	302.0	246.1	272.6	311.6	346.7	311.5	
Tampa-St. Pete., FL				26.5	34.6	37.5	32.0	35.0	35.2	31.8	
Washington, DC				50.6	53.0	53.4	49.9	46.2	39.3	35.9	
California	55.8	61.9	67.8	67.5	75.5	83.9	96.1	95.0	85.6	81.8	
United States	92.6	97.1	97.7	96.8	99.7	107.4	109.1	112.6	106.1	102.8	

San Diego Merchandise Exports By Product Sector in Millions of Nominal Dollars									
Product Description	1993	1994	1995	1996	1997	1998	1999	Change 1993 to 1999	
								Dollars	Per Cent
Manufactured Products									
Textile Mill Products	16.0	22.4	21.0	29.8	36.3	41.8	49.9	33.9	211.4%
Apparel	97.7	98.6	111.2	128.4	115.7	97.1	115.7	18.1	18.5%
Lumber & Wood Products	169.5	134.9	64.5	76.9	83.8	103.3	116.3	-53.2	-31.4%
Furniture & Fixtures	23.2	34.0	26.5	37.3	39.8	39.4	49.6	26.4	113.6%
Paper Products	85.0	117.3	149.1	170.8	204.5	222.8	198.2	113.2	133.1%
Printing & Publishing	64.7	65.9	57.5	55.2	65.6	93.1	59.5	-5.2	-8.0%
Chemical Products	182.9	209.4	255.9	302.6	349.6	376.4	395.8	212.9	116.4%
Refined Petroleum Products	11.1	10.5	10.2	11.1	18.3	20.5	22.1	11.0	99.7%
Food & Tobacco Products	193.3	209.0	185.6	137.1	172.1	183.9	224.4	31.1	16.1%
Rubber & Plastic Products	158.4	208.5	257.6	316.4	324.6	267.5	323.5	165.1	104.3%
Leather Products	12.0	18.5	23.3	29.2	22.0	21.5	19.9	7.9	65.3%
Stone, Clay, & Glass Products	29.3	29.9	33.0	31.9	41.7	48.5	47.0	17.8	60.7%
Primary Metals	129.9	134.4	170.9	188.5	216.1	206.7	217.2	87.3	67.2%
Fabricated Metal Products	162.0	141.9	167.7	222.1	187.1	229.1	222.4	60.3	37.2%
Industrial Machinery & Computers	873.9	989.8	1,066.9	1,237.6	1,295.9	1,539.5	1,584.5	710.6	81.3%
Electric & Electronic Equipment	1,129.1	1,432.0	2,122.6	2,489.7	3,078.5	3,318.8	3,480.0	2,350.9	208.2%
Transportation Equipment	238.7	182.2	236.8	211.9	299.5	505.7	508.5	269.8	113.1%
Scientific & Measuring Instruments	507.8	470.1	490.8	552.9	618.0	654.5	606.0	98.2	19.3%
Miscellaneous Manufactures	146.8	211.4	270.9	323.4	441.5	428.4	420.9	274.0	186.6%
Unidentified Manufactures	30.6	33.3	30.8	30.2	38.8	46.2	51.0	20.4	66.7%
Total Manufactured Products	4,261.9	4,754.0	5,752.9	6,583.0	7,649.4	8,444.4	8,712.4	4,450.5	104.4%
Non-manufactured Commodities									
	95.8	113.3	108.0	136.4	160.6	147.3	251.4	155.5	162.3%
Total Exports	4,357.7	4,867.3	5,860.9	6,719.4	7,810.0	8,591.6	8,963.8	4,606.0	105.7%
Source:	US Census Bureau, Exporter Location Series								
	Prepared by Office of Trade & Economic Analysis, International Trade Administration								
Notes:	Totals may not add due to rounding.								
	All figures show sales by exporters of record. The sales location may or may not coincide with the production location.								

San Diego Merchandise Exports to Select Destinations				
in Millions of Nominal Dollars				
				% Change
Market	1997	1998	1999	1993-1999
Total Americas	4,519.3	5,207.3	5,169.6	
Canada	793.2	1,025.5	914.3	127.9
Mexico	3,362.6	3,794.2	3,857.5	108.8
NAFTA Countries	4,155.7	4,819.7	4,771.8	112.2
Caribbean & Central America	81.9	75.7	138.6	443.4
South America	281.6	311.8	259.2	239.9
Argentina	55.6	55.0	22.4	7.3
Brazil	127.5	134.1	131.6	734.3
Other South America	98.5	122.8	105.2	165.7
Total Europe	1,387.0	1,701.6	1,770.2	89.8
Belgium	53.4	91.2	99.9	278.9
France	144.5	220.9	260.0	101.5
Germany	266.8	245.3	212.9	-21.0
Netherlands	202.5	266.3	311.6	254.8
United Kingdom	329.0	390.9	449.3	199.3
Turkey	6.2	14.3	12.8	110.7
Former Soviet Rep.	47.4	63.0	10.6	-3.7
Poland	4.3	5.5	7.4	49.5
Other East Europe	20.0	18.9	16.2	138.2
Other Europe	312.9	385.2	389.5	61.7
Total Asia	1,620.9	1,384.5	1,710.7	90.2
Japan	580.4	474.9	512.9	72.8
China	82.8	79.9	103.6	257.0
Hong Kong	142.0	131.2	156.0	35.6
Taiwan	151.9	130.6	144.7	46.6
Singapore	155.0	112.1	203.5	103.3
South Korea	164.1	154.2	328.3	277.4
Indonesia	44.2	59.1	3.0	-78.9
India	15.8	25.7	16.2	197.8
Other Asia	284.7	216.9	242.5	58.6
Total Africa	77.2	85.4	62.2	6.1
North Africa	31.7	52.1	14.8	-61.4
Rep. Of South Africa	26.0	25.2	23.5	99.0
Other Sub-Saharan Africa	19.5	8.1	23.9	180.5
Near East	95.8	95.5	96.8	65.4
Australia	109.9	117.2	154.2	164.6
Rest of World	-	0.2	-	-100.0
World	7,810.0	8,591.6	8,963.8	105.7
Source:	US Census Bureau, Exporter Location Series			
	Prepared by Office of Trade & Economic Analysis, ITA			
Note:	All figures show sales by exporters of record. The sales location may or may not coincide with the production location.			
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Distribution of San Diego Merchandise Exports To Select Destinations			
Market	1997	1998	1999
Total Americas	57.9%	60.6%	57.7%
Canada	10.2%	11.9%	10.2%
Mexico	43.1%	44.2%	43.0%
NAFTA Countries	53.2%	56.1%	53.2%
Caribbean & Central America	1.0%	0.9%	1.5%
South America	3.6%	3.6%	2.9%
Argentina	0.7%	0.6%	0.3%
Brazil	1.6%	1.6%	1.5%
Other South America	1.3%	1.4%	1.2%
Total Europe	17.8%	19.8%	19.7%
Belgium	0.7%	1.1%	1.1%
France	1.8%	2.6%	2.9%
Germany	3.4%	2.9%	2.4%
Netherlands	2.6%	3.1%	3.5%
United Kingdom	4.2%	4.6%	5.0%
Turkey	0.1%	0.2%	0.1%
Former Soviet Rep.	0.6%	0.7%	0.1%
Poland	0.1%	0.1%	0.1%
Other East Europe	0.3%	0.2%	0.2%
Other Europe	4.0%	4.5%	4.3%
Total Asia	20.8%	16.1%	19.1%
Japan	7.4%	5.5%	5.7%
China	1.1%	0.9%	1.2%
Hong Kong	1.8%	1.5%	1.7%
Taiwan	1.9%	1.5%	1.6%
Singapore	2.0%	1.3%	2.3%
South Korea	2.1%	1.8%	3.7%
Indonesia	0.6%	0.7%	0.0%
India	0.2%	0.3%	0.2%
Other Asia	3.6%	2.5%	2.7%
Total Africa	1.0%	1.0%	0.7%
North Africa	0.4%	0.6%	0.2%
Rep. Of South Africa	0.3%	0.3%	0.3%
Other Sub-Saharan Africa	0.3%	0.1%	0.3%
Near East	1.2%	1.1%	1.1%
Australia	1.4%	1.4%	1.7%
Rest of World	0.0%	0.0%	0.0%
World	100.0%	100.0%	100.0%
	225		

Capital Outlays in thousands of Nominal Dollars - Economic Element

Metropolitan Regions	Air Transport				Sea & Inland Ports				Highways			
	1982	1987	1992	1997	1982	1987	1992	1997	1982	1987	1992	1997
Atlanta, GA	49,553	48,780	82,330	129,129					16,901	33,964	104,099	224,144
Austin-San Marcos, TX	2,984	6,571	9,396	29,391					10,906	72,702	41,536	36,372
Baltimore, MD	130		1,721				1		245,637	128,294	144,621	124,023
Boston, MA-NH NECMA	1,181	5,052	6,548	2,244	12	77	503	585	24,678	78,051	76,096	146,441
Denver-Boulder, CO	820	8,115	8,936	59,547				121	35,450	83,750	60,473	246,097
Houston, TX	70,441	71,480	51,055	49,119	49,765	6,468	32,343	17,649	109,357	300,852	121,713	147,330
Miami-Ft Lauderdale, FL	13,318	46,141	129,138	269,721	6,952	37,035	67,936	57,691	44,105	33,687	92,131	90,432
Minneapolis-St.Paul, MN	28,797	33,110	50,664	136,036	33,359	43,188	5	206	115,204	157,068	298,125	334,533
Norfolk-Va Beach, VA	4,993	5,660	252	661					30,510	45,545	43,939	39,335
Orange, CA	1,822	18,523	375	9,100		23	11		52,213	76,103	123,004	160,023
Phoenix-Mesa, AZ	23,037	33,408	50,416	74,443					64,498	218,664	180,434	118,930
Pittsburgh, PA	13,649	7,199	262,561	48,390					45,013	45,689	63,173	81,741
Portland-Salem, OR-WA	3,328	11,122	54,747	95,719	40,330	41,375	9,216	13,111	36,707	30,769	59,977	101,577
Raleigh-Durham, NC	7,569	63,679	9,928	8,076					3,182	15,955	26,008	23,629
Sacramento, CA	2,132	8,128	4,204	34,378	7,726	2,099	2,446	5,200	11,326	34,240	92,590	96,807
San Diego, CA	6,794	914	17,639	101,260	4,325	21,884	6,650	26,406	30,643	66,186	103,033	141,206
San Francisco, CA	490	18	1,136	350,651	3,542	1,247	1,870	17,893	17,351	38,381	44,160	86,078
San Jose, CA	5,669	15,479	14,720	18,129					55,746	67,318	70,250	88,002
Seattle-Tacoma, WA	17,387	20,210	117,142	75,657	20,957	69,879	104,123	212,117	68,142	69,886	121,612	299,949
Tampa-St. Pete., FL	21,344	6,043	83,576	49,834	8,887	9,283	8,507	21,601	29,723	70,322	152,912	110,174
Washington, DC	224	5	126,593	368,018					78,666	205,508	188,427	263,499
California	109,241	125,061	209,481	774,738	111,504	153,849	132,190	520,373	470,020	716,935	1,139,905	1,282,818
United States	1,022,717	1,865,935	4,074,430	4,430,695	365,816	517,474	600,891	1,106,695	4,353,971	6,487,250	9,403,983	12,235,365
Source:	U.S. Census Bureau, "Finances of Special District Governments"											
Notes:	All blank spaces indicate that there were no capital outlays for that area in that year.											
	The California total represents the sum of all local government expenditures in the state of California											
	The United States total represents the sum of all local government expenditures in the United States											
	Regional values do not include direct investments by Federal or State governments.											

Capital Outlays in thousands of Constant 2000 Dollars - Economic Element

Metropolitan Regions	Air Transport				Sea & Inland Ports				Highways			
	1982	1987	1992	1997	1982	1987	1992	1997	1982	1987	1992	1997
Atlanta, GA	86,063	67,822	96,546	135,747	-	-	-	-	29,353	47,223	122,073	235,631
Austin-San Marcos, TX	5,159	9,272	10,909	30,734	-	-	-	-	18,854	102,586	48,223	38,034
Baltimore, MD	235	-	2,060	-	-	-	1	-	444,284	184,409	173,131	131,274
Boston, MA-NH NECMA	2,000	6,989	7,632	2,355	20	107	586	614	41,796	107,976	88,698	153,670
Denver-Boulder, CO	1,392	11,338	10,546	62,928	-	-	-	128	60,177	117,012	71,370	260,071
Houston, TX	101,946	100,300	61,282	52,659	72,023	9,076	38,822	18,921	158,268	422,154	146,093	157,947
Miami-Ft Lauderdale, FL	23,435	64,514	151,803	283,522	12,233	51,782	79,860	60,643	77,608	47,101	108,301	95,059
Minneapolis-St. Paul, MN	48,407	45,844	59,134	142,474	56,076	59,798	6	216	193,655	217,477	347,967	350,365
Norfolk-Va Beach, VA	9,210	8,147	298	702	-	-	-	-	56,278	65,559	52,042	41,781
Orange, CA	3,006	25,370	432	9,492	-	32	13	-	86,156	104,234	141,680	166,913
Phoenix-Mesa, AZ	38,758	45,082	57,442	77,407	-	-	-	-	108,512	295,076	205,578	123,665
Pittsburgh, PA	23,298	10,182	309,901	50,991	-	-	-	-	76,833	64,618	74,563	86,135
Portland-Salem, OR-WA	5,512	14,849	61,383	97,832	66,795	55,240	10,333	13,400	60,794	41,080	67,247	103,819
Raleigh-Durham, NC	13,791	91,386	11,657	8,565	-	-	-	-	5,798	22,897	30,536	25,059
Sacramento, CA	3,840	11,563	4,987	36,238	13,917	2,986	2,901	5,481	20,402	48,711	109,828	102,046
San Diego, CA	11,808	1,280	20,631	106,322	7,517	30,638	7,778	27,726	53,257	92,661	120,510	148,265
San Francisco, CA	881	26	1,345	369,502	6,366	1,771	2,214	18,855	31,184	54,515	52,284	90,705
San Jose, CA	8,998	20,694	16,549	18,838	-	-	-	-	88,484	89,999	78,978	91,444
Seattle-Tacoma, WA	30,886	28,762	138,921	79,799	37,228	99,449	123,481	223,729	121,047	99,459	144,222	316,370
Tampa-St. Pete., FL	37,840	8,551	99,046	52,627	15,755	13,136	10,082	22,812	52,694	99,508	181,217	116,349
Washington, DC	441	7	154,625	393,204	-	-	-	-	154,761	307,094	230,150	281,532
California	181,581	171,959	242,399	809,973	185,343	211,542	152,962	544,040	781,271	985,785	1,319,029	1,341,161
United States	1,650,435	2,571,649	4,743,108	4,646,669	590,345	713,188	699,507	1,160,641	7,026,331	8,940,789	10,947,325	12,831,776
Source:	U.S. Census Bureau, "Finances of Special District Governments"											
Notes:	All blank spaces indicate that there were no capital outlays for that area in that year.											
	The California total represents the sum of all local government expenditures in the state of California											
	The United States total represents the sum of all local government expenditures in the United States											
	Regional values do not include direct investments by Federal or State governments.											

Capital Outlays Per Capita in Constant 2000 Dollars - Economic Element

Metropolitan Regions	Air Transport				Sea & Inland Ports				Highways			
	1982	1987	1992	1997	1982	1987	1992	1997	1982	1987	1992	1997
Atlanta, GA	38.3	25.5	30.8	37.4	-	-	-	-	13.1	17.8	39.0	64.9
Austin-San Marcos, TX	8.9	12.4	12.1	28.8	-	-	-	-	32.4	137.5	53.5	35.6
Baltimore, MD	0.1	-	0.8	-	-	-	0.0	-	200.5	79.8	71.3	53.0
Boston, MA-NH NECMA	0.5	1.7	1.4	0.4	0.0	0.0	0.1	0.1	10.5	26.4	16.3	27.5
Denver-Boulder, CO	0.9	6.9	5.1	27.1	-	-	-	0.1	39.5	71.3	34.2	112.2
Houston, TX	29.3	27.7	17.4	13.7	20.7	2.5	11.0	4.9	45.5	116.6	41.6	41.1
Miami-Ft Lauderdale, FL	8.4	21.9	45.8	78.6	4.4	17.6	24.1	16.8	27.9	16.0	32.7	26.3
Minneapolis-St.Paul, MN	22.1	19.6	22.6	51.0	25.6	25.6	0.0	0.1	88.3	93.1	133.0	125.4
Norfolk-Va Beach, VA	7.7	6.0	0.2	0.5	-	-	-	-	46.8	48.6	34.8	27.0
Orange, CA	1.5	11.2	0.2	3.6	-	0.0	0.0	-	42.2	46.0	57.1	62.6
Phoenix-Mesa, AZ	24.1	22.8	24.3	27.2	-	-	-	-	67.4	149.2	86.9	43.5
Pittsburgh, PA	9.7	4.4	129.0	21.6	-	-	-	-	32.0	28.2	31.0	36.5
Portland-Salem, OR-WA	4.1	10.7	32.3	46.2	50.2	39.9	5.4	6.3	45.7	29.7	35.4	49.1
Raleigh-Durham, NC	23.8	137.4	12.8	8.2	-	-	-	-	10.0	34.4	33.6	23.9
Sacramento, CA	3.3	8.6	3.1	21.6	11.9	2.2	1.8	3.3	17.4	36.4	69.4	60.8
San Diego, CA	6.0	0.6	7.9	39.1	3.8	13.4	3.0	10.2	26.9	40.5	46.3	54.5
San Francisco, CA	0.6	0.0	0.8	221.1	4.2	1.1	1.4	11.3	20.6	34.4	32.2	54.3
San Jose, CA	6.7	14.6	10.9	11.6	-	-	-	-	66.2	63.7	51.8	56.4
Seattle-Tacoma, WA	14.2	12.2	44.4	23.7	17.1	42.3	39.5	66.4	55.7	42.3	46.1	93.9
Tampa-St. Pete., FL	22.0	4.4	46.9	23.7	9.2	6.7	4.8	10.3	30.7	50.9	85.7	52.3
Washington, DC	0.1	0.0	35.6	85.4	-	-	-	-	46.3	84.0	53.0	61.2
California	7.3	6.2	7.9	25.1	7.5	7.6	5.0	16.9	31.5	35.5	42.7	41.6
United States	7.1	10.6	18.6	17.4	2.5	2.9	2.7	4.3	30.3	36.9	42.9	47.9
Source:	U.S. Census Bureau, "Finances of Special District Governments"											
Notes:	All blank spaces indicate that there were no capital outlays for that area in that year.											
	The California total represents the sum of all local government expenditures in the state of California											
	The United States total represents the sum of all local government expenditures in the United States											
	Regional values do not include direct investments by Federal or State governments.											

US Utility Patents Granted

Metropolitan Regions	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Atlanta, GA	461	468	471	522	597	641	761	744	1,034	1,045	
Austin-San Marcos, TX	354	402	457	536	599	683	831	888	1,440	1,571	
Baltimore, MD	369	397	439	445	495	425	470	535	647	664	
Boston, MA-NH NECMA	2,051	2,092	2,310	2,343	2,476	2,318	2,588	2,747	3,688	3,806	
Denver-Boulder, CO	543	506	592	639	726	775	787	826	1,113	1,143	
Houston, TX	1,009	1,126	1,165	1,110	1,234	1,190	1,123	1,152	1,445	1,567	
Miami-Ft Lauderdale, FL	412	426	492	463	506	554	534	509	580	601	
Minneapolis-St.Paul, MN	1,154	1,167	1,223	1,358	1,513	1,445	1,539	1,578	2,051	2,181	
Norfolk-Va Beach VA	114	122	144	156	129	113	126	108	143	132	
Orange, CA	891	965	1,032	1,017	1,113	1,055	1,084	1,134	1,484	1,473	
Phoenix-Mesa, AZ	493	625	632	626	701	753	831	799	1,182	1,152	
Pittsburgh, PA	741	715	658	655	698	573	634	567	736	809	
Portland-Salem, OR-WA	406	407	365	445	414	554	598	659	985	964	
Raleigh-Durham, NC	233	294	303	344	399	399	493	527	828	939	
Sacramento, CA	121	140	146	163	191	207	238	231	289	295	
San Diego, CA	761	870	860	875	937	908	1,115	1,236	1,673	1,749	
San Francisco, CA	557	651	658	670	682	801	921	1,145	1,707	1,700	
San Jose, CA	1,295	1,468	1,603	1,850	2,099	2,416	3,036	3,255	4,931	5,664	
Seattle-Tacoma, WA	587	641	642	611	637	694	847	1,001	1,327	1,354	
Tampa-St. Pete., FL	243	278	270	217	262	274	260	286	382	386	
Washington, DC	755	770	815	839	883	913	974	958	1,292	1,299	
California	6,948	7,718	7,888	8,171	8,956	9,264	10,477	11,290	15,794	16,776	
United States	47,497	51,308	52,376	53,340	56,160	55,836	61,200	61,813	80,417	84,029	
Source:	Office for Patent and Trademark Information										

Ratio of Patents Per Million Population

Metropolitan Regions	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Atlanta, GA	154.8	153.3	150.4	161.8	179.3	186.9	215.5	204.8	276.2	270.9	
Austin-San Marcos, TX	416.2	459.7	507.2	575.3	620.9	682.3	801.9	831.5	1,303.6	1,370.8	
Baltimore, MD	154.4	164.7	180.9	182.4	201.8	172.6	190.4	216.2	260.8	266.5	
Boston, MA-NH NECMA	375.8	385.0	424.9	429.1	451.4	419.7	465.8	491.0	655.0	671.6	
Denver-Boulder, CO	273.4	249.6	283.9	298.3	332.4	348.1	346.8	356.3	471.0	472.7	
Houston, TX	301.9	328.3	331.4	310.0	338.9	321.7	298.1	299.8	368.0	390.7	
Miami-Ft Lauderdale, FL	128.6	130.4	148.4	138.1	148.1	159.1	150.4	141.0	158.5	161.9	
Minneapolis-St.Paul, MN	452.9	452.1	467.5	511.5	562.4	530.1	557.4	564.6	724.6	759.4	
Norfolk-Va Beach VA	78.6	83.4	96.2	102.9	84.4	73.6	81.8	69.7	92.2	84.5	
Orange, CA	368.6	394.7	415.6	404.6	438.0	410.1	415.9	425.4	544.8	533.5	
Phoenix-Mesa, AZ	219.5	271.5	267.0	256.1	275.0	282.9	301.8	281.2	403.3	382.3	
Pittsburgh, PA	309.4	298.1	273.8	272.4	291.2	240.1	267.1	240.3	313.8	347.0	
Portland-Salem, OR-WA	224.8	219.3	192.2	228.8	208.7	273.5	288.5	311.5	458.1	442.0	
Raleigh-Durham, NC	269.6	332.0	333.5	367.5	414.1	401.9	482.5	501.6	767.2	849.4	
Sacramento, CA	79.6	89.6	92.2	102.0	118.7	127.0	143.8	137.6	169.3	169.4	
San Diego, CA	302.8	340.6	330.6	335.3	356.7	343.7	417.0	454.1	604.8	620.0	
San Francisco, CA	347.5	403.9	405.6	410.5	416.6	487.7	557.1	685.1	1,014.1	1,008.5	
San Jose, CA	864.7	973.5	1,051.9	1,201.7	1,354.1	1,542.0	1,905.1	2,007.2	3,003.3	3,438.1	
Seattle-Tacoma, WA	196.1	209.9	205.4	192.3	198.2	212.7	256.2	297.2	387.7	390.7	
Tampa-St. Pete., FL	117.1	132.5	127.7	101.7	121.6	126.0	118.4	128.5	169.4	169.4	
Washington, DC	178.2	179.5	187.6	190.9	198.5	203.2	214.3	208.2	277.2	274.1	
California	232.0	253.8	255.5	262.3	286.0	294.2	329.7	350.4	483.3	506.1	
United States	190.4	203.5	205.4	206.9	215.7	212.5	230.7	230.8	297.6	308.1	

U.S. Patent & Trademark Office *Original Classification Scheme*

Technology	
Class	Description
202	Distillation: Apparatus
203	Distillation: Processes, Separatory
204	Chemistry: Electrical and Wave Energy
142	Wood Turning
144	Woodworking
147	Coopering
148	Metal Treatment
149	Explosive and Thermic Compositions or Charges
150	Purses, Wallets, and Protective Covers
152	Resilient Tires and Wheels
156	Adhesive Bonding and Miscellaneous Chemical Manufacture
157	Wheelwright Machines
159	Concentrating Evaporators
160	Flexible or Portable Closure, Partition, or Panel
162	Paper Making and Fiber Liberation
163	Needle and Pin Making
164	Metal Founding
165	Heat Exchange
166	Wells
168	Farriery
169	Fire Extinguishers
171	Unearthing Plants or Buried Objects
172	Earth Working
173	Tool Driving or Impacting
174	Electricity: Conductors and Insulators
175	Boring or Penetrating the Earth
177	Weighing Scales
178	Telegraphy
180	Motor Vehicles
181	Acoustics
182	Fire Escape, Ladder, or Scaffold
184	Lubrication
185	Motors: Spring, Weight, or Animal Powered
186	Merchandising
187	Elevator, Industrial Lift Truck, or Stationary Lift for Vehicle
188	Brakes
190	Trunks and Hand-Carried Luggage
191	Electricity: Transmission To Vehicles
192	Clutches and Power-Stop Control
193	Conveyors, Chutes, Skids, Guides, and Ways
194	Check-Actuated Control Mechanisms
196	Mineral Oils: Apparatus
198	Conveyors: Power-Driven
199	Type Casting
200	Electricity: Circuit Makers and Breakers
201	Distillation: Processes, Thermolytic
137	Fluid Handling
138	Pipes and Tubular Conduits
139	Textiles: Weaving
75	Specialized Metallurgical Processes, Compositions for Use Therein, Consolidated Metal
76	Metal Tools and Implements, Making
79	Button Making
81	Tools
82	Turning
83	Cutting

U.S. Patent & Trademark Office *Original Classification Scheme*

Technology	
Class	Description
84	Music
86	Ammunition and Explosive-Charge Making
87	Textiles: Braiding, Netting, and Lace Making
89	Ordnance
91	Motors: Expansible Chamber Type
92	Expansible Chamber Devices
95	Gas Separation: Processes
96	Gas Separation: Apparatus
99	Foods and Beverages: Apparatus
100	Presses
101	Printing
102	Ammunition and Explosives
104	Railways
105	Railway Rolling Stock
106	Compositions: Coating or Plastic
108	Horizontally Supported Planar Surfaces
109	Safes, Bank Protection, or a Related Device
110	Furnaces
111	Planting
112	Sewing
114	Ships
116	Signals and Indicators
117	Single-Crystal, Oriented-Crystal, and Epitaxy Growth Processes; Non-Coating Apparatus
118	Coating Apparatus
119	Animal Husbandry
122	Liquid Heaters and Vaporizers
123	Internal-Combustion Engines
124	Mechanical Guns and Projectors
125	Stone Working
126	Stoves and Furnaces
127	Sugar, Starch, and Carbohydrates
128	Surgery
131	Tobacco
132	Toilet
134	Cleaning and Liquid Contact with Solids
135	Tent, Canopy, Umbrella, or Cane
136	Batteries: Thermoelectric and Photoelectric
140	Wireworking
141	Fluent Material Handling, with Receiver or Receiver Coacting Means
1	** Classification Undetermined **
2	Apparel
4	Baths, Closets, Sinks, and Spitoons
5	Beds
7	Compound Tools
8	Bleaching and Dyeing; Fluid Treatment and Chemical Modification of Textiles and Fibers
12	Boot and Shoe Making
14	Bridges
15	Brushing, Scrubbing, and General Cleaning
16	Miscellaneous Hardware
19	Textiles: Fiber Preparation
23	Chemistry: Physical Processes
24	Buckles, Buttons, Clasps, Etc.
26	Textiles: Cloth Finishing
27	Undertaking
28	Textiles: Manufacturing

U.S. Patent & Trademark Office *Original Classification Scheme*

Technology	
Class	Description
29	Metal Working
30	Cutlery
33	Geometrical Instruments
34	Drying and Gas or Vapor Contact with Solids
36	Boots, Shoes, and Leggings
37	Excavating
38	Textiles: Ironing or Smoothing
40	Card, Picture, or Sign Exhibiting
42	Firearms
43	Fishing, Trapping, and Vermin Destroying
44	Fuel and Related Compositions
47	Plant Husbandry
48	Gas: Heating and Illuminating
49	Movable or Removable Closures
51	Abrasive Tool Making Process, Material, or Composition
52	Static Structures (e.g., Buildings)
53	Package Making
54	Harness
55	Gas Separation
56	Harvesters
57	Textiles: Spinning, Twisting, and Twining
59	Chain, Staple, and Horseshoe Making
60	Power Plants
62	Refrigeration
63	Jewelry
65	Glass Manufacturing
66	Textiles: Knitting
68	Textiles: Fluid Treating Apparatus
69	Leather Manufactures
70	Locks
71	Chemistry: Fertilizers
73	Measuring and Testing
74	Machine Element or Mechanism
72	Metal Deforming
D16	Photography and Optical Equipment
D17	Musical Instruments
D18	Printing and Office Machinery
D19	Office Supplies; Artists` and Teachers` Materials
D20	Sales and Advertising Equipment
D21	Games, Toys, and Sports Goods
D22	Arms, Pyrotechnics, Hunting and Fishing Equipment
D23	Environmental Heating and Cooling; Fluid Handling and Sanitary Equipment
D24	Medical and Laboratory Equipment
D25	Building Units and Construction Elements
D26	Lighting
D27	Tobacco and Smokers' Supplies
D28	Cosmetic Products and Toilet Articles
D29	Equipment for Safety, Protection, and Rescue (1)
D30	Animal Husbandry
D32	Washing, Cleaning, or Drying Machine
D34	Material or Article Handling Equipment
D99	Miscellaneous
PLT	Plants
D14	Recording, Communication, or Information Retrieval Equipment
D15	Machines Not Elsewhere Specified

U.S. Patent & Trademark Office *Original Classification Scheme*

Technology	
Class	Description
711	Electrical Computers and Digital Processing Systems: Memory
712	Electrical Computers and Digital Processing Systems: Processing Architectures and Instruction Processing (e.g., Processors)
713	Electrical Computers and Digital Processing Systems: Support
714	Error Detection/Correction and Fault Detection/Recovery
716	Data Processing: Design and Analysis of Circuit or Semiconductor Mask
717	Data Processing: Software Development, Installation, and Management
725	Interactive Video Distribution Systems
800	Multicellular Living Organisms and Unmodified Parts Thereof and Related Processes
901	Robots
902	Electronic Funds Transfer
930	Peptide or Protein Sequence
968	Horology
976	Nuclear Technology
984	Musical Instruments
987	Organic Compounds Containing a Bi, Sb, As, or P Atom or Containing a Metal Atom of the 6th To 8th Group of the Periodic System
D00	** Design Classification Undetermined **
D01	Edible Products
D02	Apparel and Haberdashery
D03	Travel Goods and Personal Belongings
D04	Brushware
D05	Textile or Paper Yard Goods; Sheet Material
D06	Furnishings
D07	Equipment for Preparing or Serving Food or Drink Not Elsewhere Specified
D08	Tools and Hardware
D09	Packages and Containers for Goods
D10	Measuring, Testing, or Signalling Instruments (1) (2)
D11	Jewelry, Symbolic Insignia, and Ornaments
D12	Transportation
D13	Equipment for Production, Distribution, or Transformation of Energy
558	Organic Compounds -- Part of the Class 532-570 Series
560	Organic Compounds -- Part of the Class 532-570 Series
710	Electrical Computers and Digital Data Processing Systems: Input/Output
562	Organic Compounds -- Part of the Class 532-570 Series
564	Organic Compounds -- Part of the Class 532-570 Series
568	Organic Compounds -- Part of the Class 532-570 Series
570	Organic Compounds -- Part of the Class 532-570 Series
585	Chemistry of Hydrocarbon Compounds
588	Hazardous or Toxic Waste Destruction or Containment
600	Surgery
601	Surgery: Kinesitherapy
602	Surgery: Splint, Brace, or Bandage
604	Surgery
606	Surgery
607	Surgery: Light, Thermal, and Electrical Application
623	Prosthesis (i.e., Artificial Body Members), Parts Thereof, or Aids and Accessories Therefor
700	Data Processing: Generic Control Systems or Specific Applications
701	Data Processing: Vehicles, Navigation, and Relative Location
702	Data Processing: Measuring, Calibrating, or Testing
703	Data Processing: Structural Design, Modeling, Simulation, and Emulation
704	Data Processing: Speech Signal Processing, Linguistics, Language Translation, and Audio Compression/Decompression
705	Data Processing: Financial, Business Practice, Management, or Cost/Price Determination
706	Data Processing: Artificial Intelligence

U.S. Patent & Trademark Office *Original Classification Scheme*

Technology	
Class	Description
707	Data Processing: Database and File Management, Data Structures, or Document
708	Electrical Computers: Arithmetic Processing and Calculating
709	Electrical Computers and Digital Processing Systems: Multiple Computer or Process Coordinating
556	Organic Compounds -- Part of the Class 532-570 Series
516	Colloid Systems and Wetting Agents; Subcombinations Thereof; Processes Of
518	Chemistry: Fischer-Tropsch Processes; or Purification or Recovery of Products Thereof
520	Synthetic Resins or Natural Rubbers -- Part of the Class 520 Series
521	Synthetic Resins or Natural Rubbers -- Part of the Class 520 Series
522	Synthetic Resins or Natural Rubbers -- Part of the Class 520 Series
523	Synthetic Resins or Natural Rubbers -- Part of the Class 520 Series
524	Synthetic Resins or Natural Rubbers -- Part of the Class 520 Series
525	Synthetic Resins or Natural Rubbers -- Part of the Class 520 Series
526	Synthetic Resins or Natural Rubbers -- Part of the Class 520 Series
527	Synthetic Resins or Natural Rubbers -- Part of the Class 520 Series
528	Synthetic Resins or Natural Rubbers -- Part of the Class 520 Series
530	Chemistry: Natural Resins or Derivatives; Peptides or Proteins; Lignins or Reaction Products Thereof
532	Organic Compounds -- Part of the Class 532-570 Series
534	Organic Compounds -- Part of the Class 532-570 Series
536	Organic Compounds -- Part of the Class 532-570 Series
540	Organic Compounds -- Part of the Class 532-570 Series
544	Organic Compounds -- Part of the Class 532-570 Series
546	Organic Compounds -- Part of the Class 532-570 Series
548	Organic Compounds -- Part of the Class 532-570 Series
549	Organic Compounds -- Part of the Class 532-570 Series
552	Organic Compounds -- Part of the Class 532-570 Series
554	Organic Compounds -- Part of the Class 532-570 Series
460	Crop Threshing or Separating
462	Books, Strips, and Leaves for Manifolding
463	Amusement Devices: Games
464	Rotary Shafts, Gudgeons, Housings, and Flexible Couplings for Rotary Shafts
470	Threaded, Headed Fastener, or Washer Making: Process and Apparatus
472	Amusement Devices
473	Games Using Tangible Projectile
474	Endless Belt Power Transmission Systems or Components
475	Planetary Gear Transmission Systems or Components
476	Friction Gear Transmission Systems or Components
477	Interrelated Power Delivery Controls, Including Engine Control
482	Exercise Devices
483	Tool Changing
492	Roll or Roller
493	Manufacturing Container or Tube From Paper; or Other Manufacturing From a Sheet or Web
494	Imperforate Bowl: Centrifugal Separators
501	Compositions: Ceramic
502	Catalyst, Solid Sorbent, or Support Therefor: Product or Process of Making
503	Record Receiver Having Plural Interactive Leaves or a Colorless Color Former, Method of Use, or Developer Therefor
504	Plant Protecting and Regulating Compositions
505	Superconductor Technology: Apparatus, Material, Process
507	Earth Boring, Well Treating, and Oil Field Chemistry
508	Solid Anti-Friction Devices, Materials Therefor, Lubricant or Separate Compositions for Moving Solid Surfaces, and Miscellaneous Mineral Oil Compositions
510	Cleaning Compositions for Solid Surfaces, Auxiliary Compositions Therefor, or Processes of Preparing the Compositions

U.S. Patent & Trademark Office *Original Classification Scheme*

Technology	
Class	Description
512	Perfume Compositions
514	Drug, Bio-Affecting and Body Treating Compositions
453	Coin Handling
454	Ventilation
455	Telecommunications
412	Bookbinding: Process and Apparatus
413	Sheet Metal Container Making
414	Material or Article Handling
415	Rotary Kinetic Fluid Motors or Pumps
416	Fluid Reaction Surfaces (i.e., Impellers)
417	Pumps
418	Rotary Expansible Chamber Devices
419	Powder Metallurgy Processes
420	Alloys or Metallic Compositions
422	Chemical Apparatus and Process Disinfecting, Deodorizing, Preserving, or Sterilizing
423	Chemistry of Inorganic Compounds
424	Drug, Bio-Affecting and Body Treating Compositions
425	Plastic Article or Earthenware Shaping or Treating: Apparatus
426	Food or Edible Material: Processes, Compositions, and Products
427	Coating Processes
428	Stock Material or Miscellaneous Articles
429	Chemistry: Electrical Current Producing Apparatus, Product, and Process
430	Radiation Imagery Chemistry: Process, Composition, or Product Thereof
431	Combustion
432	Heating
433	Dentistry
434	Education and Demonstration
435	Chemistry: Molecular Biology and Microbiology
436	Chemistry: Analytical and Immunological Testing
438	Semiconductor Device Manufacturing: Process
439	Electrical Connectors
440	Marine Propulsion
441	Buoys, Rafts, and Aquatic Devices
442	Fabric (Woven, Knitted, or Nonwoven Textile or Cloth, Etc.)
445	Electric Lamp or Space Discharge Component or Device Manufacturing
446	Amusement Devices: Toys
449	Bee Culture
450	Foundation Garments
451	Abrading
452	Butchering
411	Expanded, Threaded, Driven, Headed, Tool-Deformed, or Locked-Threaded Fastener
365	Static Information Storage and Retrieval
366	Agitating
367	Communications, Electrical: Acoustic Wave Systems and Devices
368	Horology: Time Measuring Systems or Devices
369	Dynamic Information Storage or Retrieval
370	Multiplex Communications
372	Coherent Light Generators
373	Industrial Electric Heating Furnaces
374	Thermal Measuring and Testing
375	Pulse or Digital Communications
376	Induced Nuclear Reactions: Processes, Systems, and Elements
377	Electrical Pulse Counters, Pulse Dividers, or Shift Registers: Circuits and Systems
378	X-Ray or Gamma Ray Systems or Devices
379	Telephonic Communications

U.S. Patent & Trademark Office *Original Classification Scheme*

Technology	
Class	Description
380	Cryptography
381	Electrical Audio Signal Processing Systems and Devices
382	Image Analysis
383	Flexible Bags
384	Bearings
385	Optical Waveguides
386	Television Signal Processing for Dynamic Recording or Reproducing
388	Electricity: Motor Control Systems
392	Electric Resistance Heating Devices
396	Photography
399	Electrophotography
400	Typewriting Machines
401	Coating Implements with Material Supply
402	Binder Device Releasably Engaging Aperture or Notch of Sheet
403	Joints and Connections
404	Road Structure, Process, or Apparatus
405	Hydraulic and Earth Engineering
406	Conveyors: Fluid Current
407	Cutters, for Shaping
408	Cutting by Use of Rotating Axially Moving Tool
409	Gear Cutting, Milling, or Planing
410	Freight Accommodation On Freight Carrier
345	Computer Graphics Processing, Operator Interface Processing, and Selective Visual Display Systems
346	Recorders
347	Incremental Printing of Symbolic Information
348	Television
349	Liquid Crystal Cells, Elements and Systems
351	Optics: Eye Examining, Vision Testing and Correcting
352	Optics: Motion Pictures
353	Optics: Image Projectors
355	Photocopying
356	Optics: Measuring and Testing
358	Facsimile and Static Presentation Processing
359	Optics: Systems (Including Communication) and Elements
360	Dynamic Magnetic Information Storage or Retrieval
361	Electricity: Electrical Systems and Devices
362	Illumination
363	Electric Power Conversion Systems
320	Electricity: Battery or Capacitor Charging or Discharging
322	Electricity: Single Generator Systems
323	Electricity: Power Supply or Regulation Systems
324	Electricity: Measuring and Testing
326	Electronic Digital Logic Circuitry
327	Miscellaneous Active Electrical Nonlinear Devices, Circuits, and Systems
329	Demodulators
330	Amplifiers
331	Oscillators
332	Modulators
333	Wave Transmission Lines and Networks
334	Tuners
335	Electricity: Magnetically Operated Switches, Magnets, and Electromagnets
336	Inductor Devices
337	Electricity: Electrothermally or Thermally Actuated Switches
338	Electrical Resistors

U.S. Patent & Trademark Office *Original Classification Scheme*

Technology	
Class	Description
340	Communications: Electrical
341	Coded Data Generation or Conversion
342	Communications: Directive Radio Wave Systems and Devices (e.g., Radar, Radio
343	Communications: Radio Wave Antennas
315	Electric Lamp and Discharge Devices: Systems
318	Electricity: Motive Power Systems
257	Active Solid-State Devices (e.g., Transistors, Solid-State Diodes)
258	Railway Mail Delivery
260	Chemistry of Carbon Compounds
261	Gas and Liquid Contact Apparatus
264	Plastic and Nonmetallic Article Shaping or Treating: Processes
266	Metallurgical Apparatus
267	Spring Devices
269	Work Holders
270	Sheet-Material Associating
271	Sheet Feeding or Delivering
273	Amusement Devices: Games
276	Typesetting
277	Seal for a Joint or Junction
278	Land Vehicles: Animal Draft Appliances
279	Chucks or Sockets
280	Land Vehicles
281	Books, Strips, and Leaves
283	Printed Matter
285	Pipe Joints or Couplings
289	Knots and Knot Tying
290	Prime-Mover Dynamo Plants
291	Track Sanders
292	Closure Fasteners
293	Vehicle Fenders
294	Handling: Hand and Hoist-Line Implements
295	Railway Wheels and Axles
296	Land Vehicles: Bodies and Tops
297	Chairs and Seats
298	Land Vehicles: Dumping
299	Mining or In Situ Disintegration of Hard Material
300	Brush, Broom, and Mop Making
301	Land Vehicles: Wheels and Axles
303	Fluid-Pressure and Analogous Brake Systems
305	Wheel Substitutes for Land Vehicles
307	Electrical Transmission or Interconnection Systems
310	Electrical Generator or Motor Structure
312	Supports: Cabinet Structure
313	Electric Lamp and Discharge Devices
314	Electric Lamp and Discharge Devices: Consumable Electrodes
254	Implements or Apparatus for Applying Pushing or Pulling Force
256	Fences
205	Electrolysis: Processes, Compositions Used Therein, and Methods of Preparing the Compositions
206	Special Receptacle or Package
208	Mineral Oils: Processes and Products
209	Classifying, Separating, and Assorting Solids
210	Liquid Purification or Separation
211	Supports: Racks
212	Traversing Hoists

U.S. Patent & Trademark Office *Original Classification Scheme*

Technology	
Class	Description
213	Railway Draft Appliances
215	Bottles and Jars
216	Etching a Substrate: Processes
217	Wooden Receptacles
218	High-Voltage Switches with Arc Preventing or Extinguishing Devices
219	Electric Heating
220	Receptacles
221	Article Dispensing
222	Dispensing
223	Apparel Apparatus
224	Package and Article Carriers
225	Severing by Tearing or Breaking
226	Advancing Material of Indeterminate Length
227	Elongated-Member-Driving Apparatus
228	Metal Fusion Bonding
229	Envelopes, Wrappers, and Paperboard Boxes
231	Whips and Whip Apparatus
232	Deposit and Collection Receptacles
234	Selective Cutting (e.g., Punching)
235	Registers
236	Automatic Temperature and Humidity Regulation
237	Heating Systems
238	Railways: Surface Track
239	Fluid Sprinkling, Spraying, and Diffusing
241	Solid Material Comminution or Disintegration
242	Winding, Tensioning, or Guiding
244	Aeronautics
245	Wire Fabrics and Structure
246	Railway Switches and Signals
248	Supports
249	Static Molds
250	Radiant Energy
251	Valves and Valve Actuation
252	Compositions
Source:	Office of Patent and Trademark

US PTO: Linkage Between OTAF Codes and SIC Codes

(based on the 1972 Standard Industrial Classification Manual)

Product fields associated with OTAF codes R1 to R15 are combinations of other product fields.

Sequence Number	OTAF Code	PRODUCT FIELD TITLE	SIC CODE
1	20	FOOD AND KINDRED PRODUCTS	20
2	22	TEXTILE MILL PRODUCTS	22
3	R1	CHEMICALS AND ALLIED PRODUCTS	28
4	R2	Chemicals, except drugs and medicines	281,282,284-289
5	R3	Basic industrial inorganic and organic chemistry	281,286
6	281	Industrial inorganic chemistry	281
7	286	Industrial organic chemistry	286
8	282	Plastics materials and synthetic resins	282
9	287	Agricultural chemicals	287
10	R4	All other chemicals	284,285,289
11	284	Soaps, detergents, cleaners, perfumes, cosmetics & toiletries	284
12	285	Paints, varnishes, lacquers, enamels, and allied products	285
13	289	Miscellaneous chemical products	289
14	283	Drugs and medicines	283
15	1329	PETROLEUM AND NATURAL GAS EXTRACTION AND REFINING	13,29
16	30	RUBBER AND MISCELLANEOUS PLASTICS PRODUCTS	30
17	32	STONE, CLAY, GLASS AND CONCRETE PRODUCTS	32
18	R5	PRIMARY METALS	33,3462,3463
19	331+	Primary ferrous products	331,332,3399,3462
20	333+	Primary and secondary non-ferrous metals	333-336,339(except 3399),3463
21	34-	FABRICATED METAL PRODUCTS	34(except 3462,3463,348)
22	R6	MACHINERY, EXCEPT ELECTRICAL	35
23	351	Engines and turbines	351
24	352	Farm and garden machinery and equipment	352
25	353	Construction, mining and material handling machinery and equipment	353
26	354	Metal working machinery and equipment	354
27	357	Office computing and accounting machines	357
28	R7	Other machinery, except electrical	355,356,358,359

US PTO: Linkage Between OTAF Codes and SIC Codes

(based on the 1972 Standard Industrial Classification Manual)

Product fields associated with OTAF codes R1 to R15 are combinations of other product fields.

Sequence Number	OTAF Code	PRODUCT FIELD TITLE	SIC CODE
29	355	Special industry machinery, except metal working	355
30	356	General industrial machinery and equipment	356
31	358	Refrigeration and service industry machinery	358
32	359	Miscellaneous machinery, except electrical	359
33	R8	SUPPLIES	36,3825
34	R9	Electrical equipment, except communications equipment	361-364,369,3825
35	361+	Electrical transmission and distribution equipment	361,3825
36	362	Electrical industrial apparatus	362
37	R10	Other electrical machinery, equipment and supplies	363,364,369
38	363	Household appliances	363
39	364	Electrical lighting and wiring equipment	364
40	369	Miscellaneous electrical machinery, equipment and supplies	369
41	R11	Communications equipment and electronic components	365-367
42	365	Radio and television receiving equipment except communication	365
43	366+	Electronic components and accessories and communications equipment	366-367
44	R12	TRANSPORTATION EQUIPMENT	37,348
45	R13	Motor vehicles and other transportation equipment, except aircraft	348,371,373-376,379
46	371	Motor vehicles and other motor vehicle equipment	371
47	376	Guided missiles and space vehicles and parts	376
48	R14	Other transportation equipment	373-375,379(except 3795)
49	373	Ship and boat building and repairing	373
50	374	Railroad equipment	374
51	375	Motorcycles, bicycles, and parts	375
52	379-	Miscellaneous transportation equipment	379(except 3795)
53	348+	Ordinance except missiles	348,3795
54	372	Aircraft and parts	372
55	38-	PROFESSIONAL AND SCIENTIFIC INSTRUMENTS	38(except 3825)
56	99	ALL OTHER SIC'S	99

US PTO: Linkage Between OTAF Codes and SIC Codes

(based on the 1972 Standard Industrial Classification Manual)

Product fields associated with OTAF codes R1 to R15 are combinations of other product fields.

Sequence Number	OTAF Code	PRODUCT FIELD TITLE	SIC CODE
57	*R15	ALL INDUSTRIES	
Source: Office of Patent and Trademark			
Notes: OTAF is the acronym for the Office of Technology Assessment and Forecast SIC is the acronym for Standard Industrial Classification			

**San Diego Utility Patents [1990 - 1999] Classified by
The US Patent Office's *Original Classification Scheme***

OR class	Description	Patents	Share
435	Chemistry: Molecular Biology and Microbiology	809	7.4%
514	Drug, Bio-Affecting and Body Treating Compositions	496	4.5%
424	Drug, Bio-Affecting and Body Treating Compositions	287	2.6%
347	Incremental Printing of Symbolic Information	261	2.4%
604	Surgery	242	2.2%
530	Chemistry: Natural Resins or Derivatives; Peptides or Proteins; Lignins or Reaction Products Thereof	225	2.0%
536	Organic Compounds -- Part of the Class 532-570 Series	221	2.0%
60	Power Plants	220	2.0%
375	Pulse or Digital Communications	185	1.7%
600	Surgery	177	1.6%
473	Games Using Tangible Projectile	164	1.5%
370	Multiplex Communications	147	1.3%
455	Telecommunications	138	1.3%
372	Coherent Light Generators	123	1.1%
250	Radiant Energy	122	1.1%
606	Surgery	120	1.1%
340	Communications: Electrical	111	1.0%
345	Computer Graphics Processing, Operator Interface Processing, and Selective Visual Display Systems	110	1.0%
360	Dynamic Magnetic Information Storage or Retrieval	109	1.0%
324	Electricity: Measuring and Testing	108	1.0%
73	Measuring and Testing	102	0.9%
428	Stock Material or Miscellaneous Articles	98	0.9%
29	Metal Working	89	0.8%
359	Optics: Systems (Including Communication) and Elements	89	0.8%
361	Electricity: Electrical Systems and Devices	87	0.8%
348	Television	86	0.8%
422	Chemical Apparatus and Process Disinfecting, Deodorizing, Preserving, or Sterilizing	83	0.8%
210	Liquid Purification or Separation	79	0.7%
356	Optics: Measuring and Testing	78	0.7%
264	Plastic and Nonmetallic Article Shaping or Treating: Processes	76	0.7%
52	Static Structures (e.g., Buildings)	75	0.7%
128	Surgery	74	0.7%
342	Communications: Directive Radio Wave Systems and Devices (e.g., Radar, Radio Navigation)	74	0.7%
248	Supports	71	0.6%
156	Adhesive Bonding and Miscellaneous Chemical Manufacture	70	0.6%
439	Electrical Connectors	70	0.6%
239	Fluid Sprinkling, Spraying, and Diffusing	69	0.6%
427	Coating Processes	69	0.6%
137	Fluid Handling	68	0.6%
280	Land Vehicles	67	0.6%
482	Exercise Devices	66	0.6%
433	Dentistry	66	0.6%
623	Prosthesis (i.e., Artificial Body Members), Parts Thereof, or Aids and Accessories Therefor	65	0.6%
257	Active Solid-State Devices (e.g., Transistors, Solid-State Diodes)	65	0.6%
2	Apparel	64	0.6%

**San Diego Utility Patents [1990 - 1999] Classified by
The US Patent Office's *Original Classification Scheme***

OR class	Description	Patents	Share
379	Telephonic Communications	63	0.6%
206	Special Receptacle or Package	62	0.6%
343	Communications: Radio Wave Antennas	62	0.6%
362	Illumination	61	0.6%
436	Chemistry: Analytical and Immunological Testing	60	0.5%
4	Baths, Closets, Sinks, and Spittoons	60	0.5%
385	Optical Waveguides	58	0.5%
438	Semiconductor Device Manufacturing: Process	58	0.5%
417	Pumps	57	0.5%
358	Facsimile and Static Presentation Processing	56	0.5%
704	Data Processing: Speech Signal Processing, Linguistics, Language Translation, and Audio Compression/Decompression	52	0.5%
244	Aeronautics	52	0.5%
327	Miscellaneous Active Electrical Nonlinear Devices, Circuits, and Systems	51	0.5%
367	Communications, Electrical: Acoustic Wave Systems and Devices	50	0.5%
114	Ships	49	0.4%
222	Dispensing	47	0.4%
224	Package and Article Carriers	46	0.4%
219	Electric Heating	46	0.4%
714	Error Detection/Correction and Fault Detection/Recovery	45	0.4%
341	Coded Data Generation or Conversion	44	0.4%
204	Chemistry: Electrical and Wave Energy	44	0.4%
380	Cryptography	42	0.4%
62	Refrigeration	42	0.4%
602	Surgery: Splint, Brace, or Bandage	42	0.4%
174	Electricity: Conductors and Insulators	42	0.4%
382	Image Analysis	42	0.4%
709	Electrical Computers and Digital Processing Systems: Multiple Computer or Process Coordinating	42	0.4%
400	Typewriting Machines	41	0.4%
123	Internal-Combustion Engines	40	0.4%
707	Data Processing: Database and File Management, Data Structures, or Document Processing	39	0.4%
607	Surgery: Light, Thermal, and Electrical Application	38	0.3%
228	Metal Fusion Bonding	37	0.3%
708	Electrical Computers: Arithmetic Processing and Calculating	36	0.3%
441	Buoys, Rafts, and Aquatic Devices	36	0.3%
405	Hydraulic and Earth Engineering	36	0.3%
119	Animal Husbandry	35	0.3%
220	Receptacles	35	0.3%
30	Cutlery	35	0.3%
15	Brushing, Scrubbing, and General Cleaning	35	0.3%
351	Optics: Eye Examining, Vision Testing and Correcting	33	0.3%
700	Data Processing: Generic Control Systems or Specific Applications	33	0.3%
702	Data Processing: Measuring, Calibrating, or Testing	33	0.3%
5	Beds	32	0.3%
505	Superconductor Technology: Apparatus, Material, Process	32	0.3%
415	Rotary Kinetic Fluid Motors or Pumps	32	0.3%

**San Diego Utility Patents [1990 - 1999] Classified by
The US Patent Office's *Original Classification Scheme***

OR class	Description	Patents	Share
33	Geometrical Instruments	32	0.3%
349	Liquid Crystal Cells, Elements and Systems	31	0.3%
235	Registers	31	0.3%
315	Electric Lamp and Discharge Devices: Systems	31	0.3%
84	Music	31	0.3%
396	Photography	30	0.3%
165	Heat Exchange	30	0.3%
330	Amplifiers	30	0.3%
378	X-Ray or Gamma Ray Systems or Devices	30	0.3%
705	Data Processing: Financial, Business Practice, Management, or Cost/Price Determination	29	0.3%
800	Multicellular Living Organisms and Unmodified Parts Thereof and Related Processes	29	0.3%
326	Electronic Digital Logic Circuitry	29	0.3%
106	Compositions: Coating or Plastic	29	0.3%
242	Winding, Tensioning, or Guiding	28	0.3%
524	Synthetic Resins or Natural Rubbers -- Part of the Class 520 Series	27	0.2%
426	Food or Edible Material: Processes, Compositions, and Products	27	0.2%
310	Electrical Generator or Motor Structure	27	0.2%
43	Fishing, Trapping, and Vermin Destroying	27	0.2%
24	Buckles, Buttons, Clasps, Etc.	27	0.2%
333	Wave Transmission Lines and Networks	27	0.2%
365	Static Information Storage and Retrieval	26	0.2%
601	Surgery: Kinesitherapy	25	0.2%
434	Education and Demonstration	25	0.2%
710	Electrical Computers and Digital Data Processing Systems: Input/Output	25	0.2%
521	Synthetic Resins or Natural Rubbers -- Part of the Class 520 Series	24	0.2%
713	Electrical Computers and Digital Processing Systems: Support	24	0.2%
712	Electrical Computers and Digital Processing Systems: Processing Architectures and Instruction Processing (e.g., Processors)	24	0.2%
711	Electrical Computers and Digital Processing Systems: Memory	24	0.2%
294	Handling: Hand and Hoist-Line Implements	23	0.2%
273	Amusement Devices: Games	23	0.2%
451	Abrading	22	0.2%
74	Machine Element or Mechanism	22	0.2%
320	Electricity: Battery or Capacitor Charging or Discharging	22	0.2%
292	Closure Fasteners	22	0.2%
307	Electrical Transmission or Interconnection Systems	21	0.2%
544	Organic Compounds -- Part of the Class 532-570 Series	21	0.2%
381	Electrical Audio Signal Processing Systems and Devices	21	0.2%
414	Material or Article Handling	21	0.2%
318	Electricity: Motive Power Systems	20	0.2%
81	Tools	20	0.2%
706	Data Processing: Artificial Intelligence	20	0.2%
40	Card, Picture, or Sign Exhibiting	20	0.2%
430	Radiation Imagery Chemistry: Process, Composition, or Product Thereof	19	0.2%
312	Supports: Cabinet Structure	19	0.2%
36	Boots, Shoes, and Leggings	19	0.2%

**San Diego Utility Patents [1990 - 1999] Classified by
The US Patent Office's *Original Classification Scheme***

OR class	Description	Patents	Share
549	Organic Compounds -- Part of the Class 532-570 Series	19	0.2%
376	Induced Nuclear Reactions: Processes, Systems, and Elements	19	0.2%
211	Supports: Racks	19	0.2%
501	Compositions: Ceramic	19	0.2%
229	Envelopes, Wrappers, and Paperboard Boxes	18	0.2%
118	Coating Apparatus	18	0.2%
374	Thermal Measuring and Testing	18	0.2%
252	Compositions	18	0.2%
408	Cutting by Use of Rotating Axially Moving Tool	18	0.2%
271	Sheet Feeding or Delivering	18	0.2%
132	Toilet	17	0.2%
331	Oscillators	17	0.2%
336	Inductor Devices	17	0.2%
446	Amusement Devices: Toys	16	0.1%
423	Chemistry of Inorganic Compounds	16	0.1%
70	Locks	16	0.1%
296	Land Vehicles: Bodies and Tops	16	0.1%
463	Amusement Devices: Games	16	0.1%
548	Organic Compounds -- Part of the Class 532-570 Series	16	0.1%
205	Electrolysis: Processes, Compositions Used Therein, and Methods of Preparing the Compositions	16	0.1%
504	Plant Protecting and Regulating Compositions	16	0.1%
297	Chairs and Seats	15	0.1%
335	Electricity: Magnetically Operated Switches, Magnets, and Electromagnets	15	0.1%
363	Electric Power Conversion Systems	15	0.1%
16	Miscellaneous Hardware	15	0.1%
134	Cleaning and Liquid Contact with Solids	15	0.1%
701	Data Processing: Vehicles, Navigation, and Relative Location	15	0.1%
251	Valves and Valve Actuation	14	0.1%
42	Firearms	14	0.1%
353	Optics: Image Projectors	14	0.1%
99	Foods and Beverages: Apparatus	14	0.1%
285	Pipe Joints or Couplings	13	0.1%
180	Motor Vehicles	13	0.1%
188	Brakes	13	0.1%
89	Ordnance	13	0.1%
411	Expanded, Threaded, Driven, Headed, Tool-Deformed, or Locked-Threaded Fastener	13	0.1%
725	Interactive Video Distribution Systems	13	0.1%
221	Article Dispensing	13	0.1%
416	Fluid Reaction Surfaces (i.e., Impellers)	13	0.1%
198	Conveyors: Power-Driven	13	0.1%
136	Batteries: Thermoelectric and Photoelectric	12	0.1%
216	Etching a Substrate: Processes	12	0.1%
546	Organic Compounds -- Part of the Class 532-570 Series	12	0.1%
540	Organic Compounds -- Part of the Class 532-570 Series	12	0.1%
525	Synthetic Resins or Natural Rubbers -- Part of the Class 520 Series	12	0.1%
425	Plastic Article or Earthenware Shaping or Treating: Apparatus	12	0.1%
528	Synthetic Resins or Natural Rubbers -- Part of the Class 520 Series	12	0.1%

**San Diego Utility Patents [1990 - 1999] Classified by
The US Patent Office's *Original Classification Scheme***

OR class	Description	Patents	Share
49	Movable or Removable Closures	12	0.1%
209	Classifying, Separating, and Assorting Solids	12	0.1%
403	Joints and Connections	12	0.1%
141	Fluent Material Handling, with Receiver or Receiver Coacting Means	12	0.1%
95	Gas Separation: Processes	11	0.1%
472	Amusement Devices	11	0.1%
323	Electricity: Power Supply or Regulation Systems	11	0.1%
83	Cutting	11	0.1%
72	Metal Deforming	11	0.1%
431	Combustion	11	0.1%
442	Fabric (Woven, Knitted, or Nonwoven Textile or Cloth, Etc.)	11	0.1%
313	Electric Lamp and Discharge Devices	11	0.1%
102	Ammunition and Explosives	11	0.1%
47	Plant Husbandry	11	0.1%
138	Pipes and Tubular Conduits	10	0.1%
283	Printed Matter	10	0.1%
200	Electricity: Circuit Makers and Breakers	10	0.1%
223	Apparel Apparatus	10	0.1%
554	Organic Compounds -- Part of the Class 532-570 Series	10	0.1%
215	Bottles and Jars	10	0.1%
399	Electrophotography	10	0.1%
556	Organic Compounds -- Part of the Class 532-570 Series	9	0.1%
281	Books, Strips, and Leaves	9	0.1%
101	Printing	9	0.1%
187	Elevator, Industrial Lift Truck, or Stationary Lift for Vehicle	9	0.1%
301	Land Vehicles: Wheels and Axles	9	0.1%
126	Stoves and Furnaces	9	0.1%
377	Electrical Pulse Counters, Pulse Dividers, or Shift Registers: Circuits and Systems	9	0.1%
383	Flexible Bags	9	0.1%
160	Flexible or Portable Closure, Partition, or Panel	9	0.1%
53	Package Making	9	0.1%
703	Data Processing: Structural Design, Modeling, Simulation, and Emulation	9	0.1%
203	Distillation: Processes, Separatory	9	0.1%
164	Metal Founding	9	0.1%
346	Recorders	9	0.1%
419	Powder Metallurgy Processes	8	0.1%
429	Chemistry: Electrical Current Producing Apparatus, Product, and Process	8	0.1%
34	Drying and Gas or Vapor Contact with Solids	8	0.1%
135	Tent, Canopy, Umbrella, or Cane	8	0.1%
523	Synthetic Resins or Natural Rubbers -- Part of the Class 520 Series	8	0.1%
148	Metal Treatment	8	0.1%
392	Electric Resistance Heating Devices	8	0.1%
560	Organic Compounds -- Part of the Class 532-570 Series	8	0.1%
568	Organic Compounds -- Part of the Class 532-570 Series	8	0.1%
241	Solid Material Comminution or Disintegration	8	0.1%
368	Horology: Time Measuring Systems or Devices	8	0.1%
100	Presses	8	0.1%

**San Diego Utility Patents [1990 - 1999] Classified by
The US Patent Office's *Original Classification Scheme***

OR class	Description	Patents	Share
716	Data Processing: Design and Analysis of Circuit or Semiconductor Mask	7	0.1%
182	Fire Escape, Ladder, or Scaffold	7	0.1%
261	Gas and Liquid Contact Apparatus	7	0.1%
269	Work Holders	7	0.1%
277	Seal for a Joint or Juncture	7	0.1%
55	Gas Separation	7	0.1%
109	Safes, Bank Protection, or a Related Device	7	0.1%
124	Mechanical Guns and Projectors	7	0.1%
192	Clutches and Power-Stop Control	6	0.1%
108	Horizontally Supported Planar Surfaces	6	0.1%
169	Fire Extinguishers	6	0.1%
181	Acoustics	6	0.1%
92	Expansible Chamber Devices	6	0.1%
254	Implements or Apparatus for Applying Pushing or Pulling Force	6	0.1%
332	Modulators	6	0.1%
386	Television Signal Processing for Dynamic Recording or Reproducing	6	0.1%
369	Dynamic Information Storage or Retrieval	6	0.1%
338	Electrical Resistors	6	0.1%
54	Harness	6	0.1%
105	Railway Rolling Stock	5	0.0%
299	Mining or In Situ Disintegration of Hard Material	5	0.0%
65	Glass Manufacturing	5	0.0%
63	Jewelry	5	0.0%
122	Liquid Heaters and Vaporizers	5	0.0%
104	Railways	5	0.0%
76	Metal Tools and Implements, Making	5	0.0%
225	Severing by Tearing or Breaking	5	0.0%
410	Freight Accommodation On Freight Carrier	4	0.0%
409	Gear Cutting, Milling, or Planing	4	0.0%
337	Electricity: Electrothermally or Thermally Actuated Switches	4	0.0%
14	Bridges	4	0.0%
144	Woodworking	4	0.0%
140	Wireworking	4	0.0%
7	Compound Tools	4	0.0%
366	Agitating	4	0.0%
404	Road Structure, Process, or Apparatus	4	0.0%
562	Organic Compounds -- Part of the Class 532-570 Series	4	0.0%
558	Organic Compounds -- Part of the Class 532-570 Series	4	0.0%
552	Organic Compounds -- Part of the Class 532-570 Series	4	0.0%
249	Static Molds	4	0.0%
184	Lubrication	4	0.0%
322	Electricity: Single Generator Systems	4	0.0%
177	Weighing Scales	4	0.0%
96	Gas Separation: Apparatus	4	0.0%
116	Signals and Indicators	4	0.0%
256	Fences	4	0.0%
440	Marine Propulsion	4	0.0%
110	Furnaces	3	0.0%
564	Organic Compounds -- Part of the Class 532-570 Series	3	0.0%

**San Diego Utility Patents [1990 - 1999] Classified by
The US Patent Office's *Original Classification Scheme***

OR class	Description	Patents	Share
8	Bleaching and Dyeing; Fluid Treatment and Chemical Modification of Textiles and Fibers	3	0.0%
71	Chemistry: Fertilizers	3	0.0%
588	Hazardous or Toxic Waste Destruction or Containment	3	0.0%
75	Specialized Metallurgical Processes, Compositions for Use Therein, Consolidated Metal Powder Compositions, and Loose Metal Particulate Mixtures	3	0.0%
717	Data Processing: Software Development, Installation, and Management	3	0.0%
56	Harvesters	3	0.0%
445	Electric Lamp or Space Discharge Component or Device Manufacturing	3	0.0%
510	Cleaning Compositions for Solid Surfaces, Auxiliary Compositions Therefor, or Processes of Preparing the Compositions	3	0.0%
503	Record Receiver Having Plural Interactive Leaves or a Colorless Color Former, Method of Use, or Developer Therefor	3	0.0%
474	Endless Belt Power Transmission Systems or Components	3	0.0%
266	Metallurgical Apparatus	3	0.0%
208	Mineral Oils: Processes and Products	3	0.0%
202	Distillation: Apparatus	3	0.0%
454	Ventilation	3	0.0%
194	Check-Actuated Control Mechanisms	3	0.0%
290	Prime-Mover Dynamo Plants	3	0.0%
452	Butchering	3	0.0%
232	Deposit and Collection Receptacles	3	0.0%
300	Brush, Broom, and Mop Making	3	0.0%
384	Bearings	3	0.0%
388	Electricity: Motor Control Systems	3	0.0%
173	Tool Driving or Impacting	3	0.0%
172	Earth Working	3	0.0%
420	Alloys or Metallic Compositions	3	0.0%
418	Rotary Expandible Chamber Devices	3	0.0%
526	Synthetic Resins or Natural Rubbers -- Part of the Class 520 Series	3	0.0%
152	Resilient Tires and Wheels	3	0.0%
355	Photocopying	2	0.0%
236	Automatic Temperature and Humidity Regulation	2	0.0%
502	Catalyst, Solid Sorbent, or Support Therefor: Product or Process of Making	2	0.0%
401	Coating Implements with Material Supply	2	0.0%
585	Chemistry of Hydrocarbon Compounds	2	0.0%
402	Binder Device Releasably Engaging Aperture or Notch of Sheet	2	0.0%
27	Undertaking	2	0.0%
329	Demodulators	2	0.0%
238	Railways: Surface Track	2	0.0%
267	Spring Devices	2	0.0%
166	Wells	2	0.0%
111	Planting	2	0.0%
117	Single-Crystal, Oriented-Crystal, and Epitaxy Growth Processes; Non-Coating Apparatus Therefor	2	0.0%
212	Traversing Hoists	2	0.0%

**San Diego Utility Patents [1990 - 1999] Classified by
The US Patent Office's *Original Classification Scheme***

OR class	Description	Patents	Share
190	Trunks and Hand-Carried Luggage	2	0.0%
162	Paper Making and Fiber Liberation	2	0.0%
534	Organic Compounds -- Part of the Class 532-570 Series	2	0.0%
150	Purses, Wallets, and Protective Covers	2	0.0%
91	Motors: Expansible Chamber Type	2	0.0%
28	Textiles: Manufacturing	1	0.0%
1	** Classification Undetermined **	1	0.0%
38	Textiles: Ironing or Smoothing	1	0.0%
37	Excavating	1	0.0%
186	Merchandising	1	0.0%
432	Heating	1	0.0%
178	Telegraphy	1	0.0%
168	Farriery	1	0.0%
373	Industrial Electric Heating Furnaces	1	0.0%
493	Manufacturing Container or Tube From Paper; or Other Manufacturing From a Sheet or Web	1	0.0%
125	Stone Working	1	0.0%
352	Optics: Motion Pictures	1	0.0%
406	Conveyors: Fluid Current	1	0.0%
139	Textiles: Weaving	1	0.0%
522	Synthetic Resins or Natural Rubbers -- Part of the Class 520 Series	1	0.0%
227	Elongated-Member-Driving Apparatus	1	0.0%
508	Solid Anti-Friction Devices, Materials Therefor, Lubricant or Separate Compositions for Moving Solid Surfaces, and Miscellaneous Mineral Oil Compositions	1	0.0%
86	Ammunition and Explosive-Charge Making	1	0.0%
512	Perfume Compositions	1	0.0%
131	Tobacco	1	0.0%
201	Distillation: Processes, Thermolytic	1	0.0%
68	Textiles: Fluid Treating Apparatus	1	0.0%
477	Interrelated Power Delivery Controls, Including Engine Control	1	0.0%
450	Foundation Garments	1	0.0%
516	Colloid Systems and Wetting Agents; Subcombinations Thereof; Processes Of	1	0.0%
44	Fuel and Related Compositions	1	0.0%
279	Chucks or Sockets	1	0.0%
196	Mineral Oils: Apparatus	1	0.0%
289	Knots and Knot Tying	1	0.0%
193	Conveyors, Chutes, Skids, Guides, and Ways	1	0.0%
191	Electricity: Transmission To Vehicles	1	0.0%
48	Gas: Heating and Illuminating	1	0.0%
293	Vehicle Fenders	1	0.0%
226	Advancing Material of Indeterminate Length	1	0.0%
475	Planetary Gear Transmission Systems or Components	1	0.0%
	Total	10,984	100.0%
Source:	United Stated Office of Patent and Trademark		

**San Diego Utility Patent Holders with at Least 10 Patents
Awarded Between Jan 1, 1990 and Dec 31, 1999**

Rank	Assignee	# Patents	Share
1	~Individually Owned Patent	2,800	25.5%
2	HEWLETT-PACKARD COMPANY	421	3.8%
3	UNITED STATES OF AMERICA, NAVY	345	3.1%
4	QUALCOMM, INC.	292	2.7%
5	THE SCRIPPS RESEARCH INSTITUTE	232	2.1%
6	UNIVERSITY OF CALIFORNIA, THE REGENTS OF	194	1.8%
7	SUNDSTRAND CORPORATION	187	1.7%
8	ISIS PHARMACEUTICALS, INC.	184	1.7%
9	EASTMAN KODAK COMPANY	152	1.4%
10	SALK INSTITUTE FOR BIOLOGICAL STUDIES	151	1.4%
11	MYCOGEN CORPORATION	120	1.1%
12	HUGHES AIRCRAFT COMPANY	113	1.0%
13	GENERAL ATOMIC COMPANY	110	1.0%
14	LA JOLLA CANCER RESEARCH FOUNDATION	109	1.0%
15	GEN-PROBE INCORPORATED	108	1.0%
16	GENERAL INSTRUMENT CORPORATION	104	0.9%
17	NCR CORPORATION	87	0.8%
18	SOLAR TURBINES INCORPORATED	81	0.7%
19	UNISYS CORPORATION	68	0.6%
20	SONY CORPORATION	54	0.5%
21	MEDTRONIC INC.	49	0.4%
22	STRATAGENE	46	0.4%
23	CORVAS INTERNATIONAL, INC.	43	0.4%
24	SCRIPPS CLINIC AND RESEARCH FOUNDATION	43	0.4%
25	ALLIANCE PHARMACEUTICAL CORP.	41	0.4%
26	CYMER, INC.	41	0.4%
27	PROXIMA CORPORATION	41	0.4%
28	TRW INC.	41	0.4%
29	IVAC CORPORATION	39	0.4%
30	PACIFIC COMMUNICATION SCIENCE, INC.	39	0.4%
31	AGOURON PHARMACEUTICALS, INC.	39	0.4%
32	BIOMAGNETIC TECHNOLOGIES, INC.	38	0.3%
33	SIBIA NEUROSCIENCES, INC.	36	0.3%
34	BROOKTREE CORPORATION	35	0.3%
35	NOKIA MOBILE PHONES LTD.	33	0.3%
36	MOLECULAR BIOSYSTEMS, INC.	33	0.3%
37	INTERVENTIONAL TECHNOLOGIES INC.	33	0.3%
38	GENERAL DYNAMICS CORP., SPACE SYSTEMS DIV.	31	0.3%
39	PURITAN-BENNETT CORPORATION	30	0.3%
40	LITEL INSTRUMENTS, INC.	29	0.3%
41	JOHNSON MATTHEY INC.	29	0.3%
42	BIOSITE DIAGNOSTICS, INC.	27	0.2%
43	LIGAND PHARMACEUTICALS INCORPORATED	27	0.2%
44	HUNTER INDUSTRIES, INC.	27	0.2%
45	MCDONNELL DOUGLAS CORP.	26	0.2%
46	ROHR, INC.	25	0.2%
47	SCIENCE APPLICATIONS INTERNATIONAL CORPORATION	25	0.2%
48	AIR PRODUCTS AND CHEMICALS, INC.	24	0.2%
49	PHASE METRICS, INC.	23	0.2%
50	SYNTRO CORPORATION	23	0.2%

**San Diego Utility Patent Holders with at Least 10 Patents
Awarded Between Jan 1, 1990 and Dec 31, 1999**

Rank	Assignee	# Patents	Share
51	MED-SAFE SYSTEMS, INC.	21	0.2%
52	GENERAL DYNAMICS, CONVAIR DIVISION	21	0.2%
53	MAXWELL LABORATORIES, INC.	21	0.2%
54	IDEC PHARMACEUTICAL CORPORATION	21	0.2%
55	MERCK + CO., INC.	20	0.2%
56	ROHR INDUSTRIES INC.	20	0.2%
57	CYTEL CORPORATION	20	0.2%
58	BREG, INC.	19	0.2%
59	SALK INSTITUTE BIOTECHNOLOGY/INDUSTRIAL ASSOCIATES	19	0.2%
60	CALLAWAY GOLF COMPANY	19	0.2%
61	HUGHES-JVC TECHNOLOGY CORPORATION	19	0.2%
62	ADVANCED TISSUE SCIENCES, INC.	19	0.2%
63	GENERAL DYNAMICS CORPORATION ELECTRONICS DIVISION	19	0.2%
64	HUGHES ELECTRONICS CORP.	19	0.2%
65	WATKINS MANUFACTURING COMPANY	19	0.2%
66	CYMER LASER TECHNOLOGIES	18	0.2%
67	ALARIS MEDICAL SYSTEMS, INC.	18	0.2%
68	GENETRONICS, INC.	18	0.2%
69	HUGHES ELECTRONIC DEVICES CORPORATION	18	0.2%
70	AMYLIN PHARMACEUTICALS, INC.	18	0.2%
71	QUANTUM GROUP, INC.	17	0.2%
72	PULSE ENGINEERING INC.	17	0.2%
73	HM ELECTRONICS, INC.	17	0.2%
74	LA JOLLA PHARMACEUTICAL COMPANY	17	0.2%
75	IOMEGA CORPORATION	17	0.2%
76	IMED CORPORATION	16	0.1%
77	QUIDEL CORPORATION	16	0.1%
78	BLOCK MEDICAL, INC.	16	0.1%
79	QUANTUM MATERIALS, INC.	15	0.1%
80	APPLIED DIGITAL ACCESS, INC.	15	0.1%
81	A. AHLSTROM CORPORATION	15	0.1%
82	VICAL INCORPORATED	15	0.1%
83	RAYTHEON COMPANY	15	0.1%
84	BUCK KNIVES, INC.	14	0.1%
85	THE IMMUNE RESPONSE CORPORATION	14	0.1%
86	TORREY PINES INSTITUTE FOR MOLECULAR STUDIES	14	0.1%
87	TACAN CORPORATION	14	0.1%
88	ANTICANCER, INC.	14	0.1%
89	KYOCERA AMERICA, INC.	14	0.1%
90	ITT CORPORATION	14	0.1%
91	ELECTRO SCIENTIFIC INDUSTRIES, INC.	14	0.1%
92	THERMOTREX CORPORATION	14	0.1%
93	SMITH & NEPHEW DONJOY, INC.	14	0.1%
94	TREGA BIOSCIENCES, INC.	13	0.1%
95	GENTA INCORPORATED	13	0.1%
96	REPUBLIC TOOL + MANUFACTURING CORPORATION	13	0.1%
97	CUBIC DEFENSE SYSTEMS, INC.	13	0.1%
98	PEREGRINE SEMICONDUCTOR CORPORATION	13	0.1%
99	HYBRITECH, INCORPORATED	13	0.1%
100	PRIMTEC	13	0.1%

**San Diego Utility Patent Holders with at Least 10 Patents
Awarded Between Jan 1, 1990 and Dec 31, 1999**

Rank	Assignee	# Patents	Share
101	BAXTER INTERNATIONAL INC.	13	0.1%
102	ACUSHNET COMPANY	12	0.1%
103	TAYLOR MADE GOLF COMPANY, INC.	12	0.1%
104	VENETEC INTERNATIONAL, INC.	12	0.1%
105	FLUID COMPONENTS, INC.	12	0.1%
106	DIVERSA CORPORATION	12	0.1%
107	GENSIA PHARMACEUTICALS, INC.	12	0.1%
108	NATIONAL SEMICONDUCTOR CORPORATION	12	0.1%
109	SENSORMATIC ELECTRONICS CORPORATION	12	0.1%
110	SERVOJET PRODUCTS INTERNATIONAL	11	0.1%
111	THE BURNHAM INSTITUTE	11	0.1%
112	SULZER CALCITEK INC.	11	0.1%
113	HYUNDAI ELECTRONICS AMERICA	11	0.1%
114	INTERNATIONAL MOBILE MACHINES CORP.	11	0.1%
115	CONNER PERIPHERALS, INC.	11	0.1%
116	ONTOGEN CORPORATION	11	0.1%
117	DEPOTECH CORPORATION	11	0.1%
118	PROTEIN POLYMER TECHNOLOGIES, INC.	11	0.1%
119	UNITED STATES OF AMERICA, DEPARTMENT OF ENERGY	11	0.1%
120	HUGHES MISSILE SYSTEMS COMPANY	10	0.1%
121	ABBOTT LABORATORIES	10	0.1%
122	GENSIA, INC.	10	0.1%
123	GENERAL DYNAMICS CORPORATION	10	0.1%
124	IXSYS INC.	10	0.1%
125	SYSTEMS, MACHINES, AUTOMATION COMPONENTS CORP.	10	0.1%
126	LOCKHEED MARTIN CORPORATION	10	0.1%
127	SUPERSPINE, INC.	10	0.1%
128	ANACOMP, INC.	10	0.1%
129	ROKENBOK TOY COMPANY	10	0.1%
130	RESEARCH DEVELOPMENT FOUNDATION	10	0.1%
131	PRYOR PRODUCTS, INC.	10	0.1%
132	SIGNAL PHARMACEUTICALS, INC.	10	0.1%
133	NEXTEC APPLICATIONS, INC.	10	0.1%
134	VIA MEDICAL CORPORATION	10	0.1%
	The Remaining 1,329 Organizations	2,862	26.1%
	Total	10,984	100.0%
	Source: US Office of Patent and Trademark		

Location Quotients For San Diego Patents by SIC Codes

Rank	Product Field Title (partial)	Quotient
1	SIC 283. DRUGS AND MEDICINES	773.5
2	SIC 287. AGRICULTURAL CHEMICALS	638.2
3	SIC 365. RADIO & TELEVISION RECEIVING EQUIPMENT EXCEPT COMMU	461.3
4	SIC 286. INDUSTRIAL ORGANIC CHEMISTRY	454.4
5	SIC 351. ENGINES & TURBINES	450.4
6	SIC 372. AIRCRAFT & PARTS	329.2
7	SIC 361, 3825. ELECTRICAL TRANSMISSION & DISTRIBUTION EQUIPM	258.9
8	SIC 38 (EXCEPT 3825). PROFESSIONAL & SCIENTIFIC INSTRUMENTS	234.4
9	SIC 357. OFFICE COMPUTING & ACCOUNTING MACHINES	213.4
10	SIC 366-367. ELECTRONIC COMPONENTS & ACCESSORIES & COMMUNICA	211.5
11	SIC 375. MOTORCYCLES, BICYCLES & PARTS	199.5
12	SIC 359. MISCELLANEOUS MACHINERY, EXCEPT ELECTRICAL	184.9
13	SIC 358. REFRIGERATION & SERVICE INDUSTRY MACHINERY	180.8
14	SIC 32. STONE, CLAY, GLASS AND CONCRETE PRODUCTS	166.4
15	SIC 285. PAINTS, VARNISHES, LACQUERS, ENAMELS & ALLIED PRODU	154.0
16	SIC 356. GENERAL INDUSTRIAL MACHINERY & EQUIPMENT	152.2
17	SIC 369. MISCELLANEOUS ELECTRICAL MACHINERY, EQUIPMENT & SUP	146.6
18	SIC 30. RUBBER & MISCELLANEOUS PLASTIC PRODUCTS	146.1
19	SIC 379(EXCEPT 3795). MISCELLANEOUS TRANSPORTATION EQUIPMENT	139.9
20	SIC 352. FARM & GARDEN MACHINERY & EQUIPMENT	135.8
21	SIC 362. ELECTRICAL INDUSTRIAL APPARATUS	129.0
22	SIC 331, 332, 3399, 3462. PRIMARY FERROUS PRODUCTS	117.2
23	SIC 34 (EXCEPT 3462,3463,348). FABRICATED METAL PRODUCTS	113.7
24	SIC 22. TEXTILE MILL PRODUCTS	105.8
25	SIC 353. CONSTRUCTION, MINING & MATERIAL HANDLING MACHINERY	105.6
26	SIC 333-336, 339 (EXCEPT 3399), 3463. PRIMARY & SECONDARY NO	105.5
27	SIC 364. ELECTRICAL LIGHTING & WIRING EQUIPMENT	95.2
28	ALL OTHER SIC'S	94.2
29	SIC 363. HOUSEHOLD APPLIANCES	89.2
30	SIC 355. SPECIAL INDUSTRY MACHINERY, EXCEPT METAL WORKING MA	87.0
31	SIC 374. RAILROAD EQUIPMENT	86.9
32	SIC 289. MISCELLANEOUS CHEMICAL PRODUCTS	81.5
33	SIC 354. METAL WORKING MACHINERY & EQUIPMENT	80.7
34	SIC 373. SHIP & BOAT BUILDING & REPAIRING	69.0
35	SIC 371. MOTOR VEHICLES & MOTOR VEHICLE EQUIPMENT	68.9
36	SIC 281. INDUSTRIAL INORGANIC CHEMISTRY	57.4
37	SIC 348, 3795. ORDNANCE EXCEPT MISSILES	55.4
38	SIC 376. GUIDED MISSILES & SPACE VEHICLES & PARTS	47.3
39	SIC 20. FOOD AND KINDRED PRODUCTS	41.4
40	SIC 282. PLASTICS MATERIALS & SYNTHETIC RESINS	37.7
41	SIC 13,29. PETROLEUM & NATURAL GAS EXTRACTION & REFINING	29.9
42	SIC 284. SOAPS, DETERGENTS, CLEANERS, PERFUMES, COSMETICS &	27.4
43	SIC 28. CHEMICALS AND ALLIED PRODUCTS	-
44	SIC 281,282,284-289. CHEMICALS, EXCEPT DRUGS & MEDICINES	-
45	SIC 281,286. BASIC INDUSTRIAL INORGANIC & ORGANIC CHEMISTRY	-
46	SIC 284,285,289. ALL OTHER CHEMICALS	-
47	SIC 33, 3462, 3463. PRIMARY METALS	-
48	SIC 35. MACHINERY, EXCEPT ELECTRICAL	-
49	SIC 355, 356, 358, 359. OTHER MACHINERY, EXCEPT ELECTRICAL	-
50	SIC 36, 3825. ELECTRICAL AND ELECTRONIC MACHINERY, EQUIPMENT	-
51	SIC 361-364,369,3825. ELECTRICAL EQUIPMENT, EXCEPT COMMUNICA	-
52	SIC 363, 364, 369. OTHER ELECTRICAL MACHINERY, EQUIPMENT & S	-
53	SIC 365-367. COMMUNICATION EQUIPMENT & ELECTRONIC COMPONENTS	-
54	SIC 37,348. TRANSPORTATION EQUIPMENT	-
55	SIC 348,371,373-376,379. MOTOR VEHICLES & OTHER TRANSPORTATI	-
56	SIC 373-375,379(EXCEPT 3795). OTHER TRANSPORTATION EQUIPMENT	-

Educational Attainment of Persons 25 Years and Over in 1990

	Distribution						Scoring					
	Below HS	HS	Some College	Bachelor Degree	Graduate Prof.	Total	Below HS	HS	Some College	Bachelor Degree	Graduate Prof.	Total Score
Atlanta, GA	20.5%	26.7%	26.1%	18.5%	8.3%	100%	-0.20	0.27	0.52	0.55	0.33	1.47
Austin-San Marcos, TX	17.5%	20.9%	29.4%	21.3%	10.9%	100%	-0.17	0.21	0.59	0.64	0.44	1.70
Baltimore, MD	25.3%	28.5%	23.1%	13.9%	9.2%	100%	-0.25	0.29	0.46	0.42	0.37	1.28
Boston, MA-NH NECMA	17.1%	29.0%	23.3%	18.6%	12.1%	100%	-0.17	0.29	0.47	0.56	0.48	1.63
Denver-Boulder, CO	14.5%	24.9%	30.9%	19.8%	9.9%	100%	-0.14	0.25	0.62	0.59	0.40	1.71
Houston, TX	24.9%	23.7%	26.3%	17.2%	7.9%	100%	-0.25	0.24	0.53	0.52	0.32	1.35
Miami-Ft Lauderdale, FL	30.1%	26.7%	24.5%	11.7%	7.1%	100%	-0.30	0.27	0.49	0.35	0.28	1.09
Minneapolis-St.Paul, MN	12.8%	30.4%	29.6%	19.4%	7.7%	100%	-0.13	0.30	0.59	0.58	0.31	1.66
Norfolk-Va Beach VA	20.9%	29.5%	29.5%	13.5%	6.6%	100%	-0.21	0.29	0.59	0.41	0.26	1.35
Orange, CA	18.8%	20.1%	33.3%	18.7%	9.1%	100%	-0.19	0.20	0.67	0.56	0.36	1.61
Phoenix-Mesa, AZ	18.5%	25.5%	33.9%	15.0%	7.1%	100%	-0.19	0.25	0.68	0.45	0.29	1.48
Pittsburgh, PA	22.6%	38.2%	19.8%	12.3%	7.2%	100%	-0.23	0.38	0.40	0.37	0.29	1.21
Portland-Salem, OR-WA	16.4%	27.0%	33.9%	15.3%	7.5%	100%	-0.16	0.27	0.68	0.46	0.30	1.54
Raleigh-Durham, NC	17.6%	21.8%	25.8%	22.0%	12.8%	100%	-0.18	0.22	0.52	0.66	0.51	1.73
Sacramento, CA	17.4%	24.5%	34.8%	15.8%	7.5%	100%	-0.17	0.24	0.70	0.48	0.30	1.54
San Diego, CA	18.1%	22.8%	33.9%	16.5%	8.8%	100%	-0.18	0.23	0.68	0.49	0.35	1.57
San Francisco, CA	17.6%	19.2%	28.4%	22.1%	12.8%	100%	-0.18	0.19	0.57	0.66	0.51	1.76
San Jose, CA	18.0%	18.8%	30.6%	20.5%	12.0%	100%	-0.18	0.19	0.61	0.62	0.48	1.72
Seattle-Tacoma, WA	13.3%	26.5%	33.6%	18.6%	8.0%	100%	-0.13	0.26	0.67	0.56	0.32	1.68
Tampa-St. Pete., FL	24.9%	31.5%	26.3%	11.7%	5.6%	100%	-0.25	0.32	0.53	0.35	0.23	1.17
Washington, DC	14.8%	22.0%	24.8%	21.9%	16.5%	100%	-0.15	0.22	0.50	0.66	0.66	1.89
California	23.8%	22.3%	30.5%	15.3%	8.1%	100%	-0.24	0.22	0.61	0.46	0.32	1.38
United States	24.8%	30.0%	24.9%	13.1%	7.2%	100%	-0.25	0.30	0.50	0.39	0.29	1.23
Source:	US Census Bureau - American Fact Finder, 1990 Census											
Notes:	1990 Metropolitan Statistical Area definitions may not match exactly with later definitions as some boundaries were redrawn after the 1990 Census. For 2000, Baltimore includes only Baltimore and Anne Arundel Counties and Baltimore City; Denver includes only Denver and Boulder-Longmont PMSA's; Minneapolis includes only Hennepin, Anoka and Ramsey Counties; Norfolk includes only Virginia Beach City County; Phoenix includes only Maricopa County; Portland includes only Clark, Clackamas, Multnomah, and Washington Counties and the Salem PMSA; Seattle includes only Tacoma and Seattle-Bellevue-Everett PMSA's; and Washington, DC includes only Washington, DC State.											
	Weighting Scheme: -1 = less than high school; 1 = high school graduate; 2 = associate degree or some college; 3 = bachelors degree; 4 = graduate degree or professional											

Educational Attainment of Persons 25 Years and Over in 2000

	Distribution						Scoring					
	Below HS	HS	Some College	Bachelor Degree	Graduate Prof.	Total	Below HS	HS	Some College	Bachelor Degree	Graduate Prof.	Total Score
Atlanta, GA	15.9%	24.9%	27.4%	21.3%	10.5%	100%	-0.16	0.25	0.55	0.64	0.42	1.70
Austin-San Marcos, TX	14.1%	20.1%	27.1%	26.3%	12.4%	100%	-0.14	0.20	0.54	0.79	0.49	1.89
Baltimore, MD	20.6%	27.8%	25.3%	15.7%	10.5%	100%	-0.21	0.28	0.51	0.47	0.42	1.47
Boston, MA-NH NECMA	13.0%	27.0%	23.6%	21.5%	14.8%	100%	-0.13	0.27	0.47	0.65	0.59	1.85
Denver-Boulder, CO	11.9%	21.7%	29.0%	25.0%	12.5%	100%	-0.12	0.22	0.58	0.75	0.50	1.93
Houston, TX	23.0%	23.4%	26.5%	18.2%	8.9%	100%	-0.23	0.23	0.53	0.55	0.35	1.44
Miami-Ft Lauderdale, FL	23.0%	27.0%	25.9%	15.6%	8.6%	100%	-0.23	0.27	0.52	0.47	0.34	1.37
Minneapolis-St.Paul, MN	10.1%	27.0%	28.4%	22.6%	11.8%	100%	-0.10	0.27	0.57	0.68	0.47	1.89
Norfolk-Va Beach VA	9.7%	27.0%	34.1%	18.7%	10.6%	100%	-0.10	0.27	0.68	0.56	0.42	1.84
Orange, CA	22.2%	16.3%	29.5%	21.1%	10.9%	100%	-0.22	0.16	0.59	0.63	0.43	1.60
Phoenix-Mesa, AZ	16.6%	25.2%	33.1%	16.6%	8.6%	100%	-0.17	0.25	0.66	0.50	0.34	1.59
Pittsburgh, PA	13.2%	38.8%	22.9%	16.2%	8.9%	100%	-0.13	0.39	0.46	0.49	0.35	1.56
Portland-Salem, OR-WA	12.8%	24.0%	34.1%	19.3%	9.7%	100%	-0.13	0.24	0.68	0.58	0.39	1.76
Raleigh-Durham, NC	12.7%	22.5%	24.4%	25.4%	15.0%	100%	-0.13	0.23	0.49	0.76	0.60	1.95
Sacramento, CA	13.0%	25.2%	35.2%	18.5%	8.2%	100%	-0.13	0.25	0.70	0.55	0.33	1.71
San Diego, CA	19.0%	16.7%	34.4%	18.7%	11.2%	100%	-0.19	0.17	0.69	0.56	0.45	1.67
San Francisco, CA	13.7%	15.8%	25.4%	28.3%	16.7%	100%	-0.14	0.16	0.51	0.85	0.67	2.05
San Jose, CA	14.9%	17.1%	26.1%	24.8%	17.0%	100%	-0.15	0.17	0.52	0.74	0.68	1.97
Seattle-Tacoma, WA	9.2%	23.3%	33.2%	22.3%	12.0%	100%	-0.09	0.23	0.66	0.67	0.48	1.95
Tampa-St. Pete., FL	18.2%	31.1%	29.2%	14.2%	7.3%	100%	-0.18	0.31	0.58	0.43	0.29	1.43
Washington, DC	18.3%	21.7%	19.0%	19.7%	21.4%	100%	-0.18	0.22	0.38	0.59	0.85	1.86
California	22.0%	20.5%	29.9%	17.7%	9.8%	100%	-0.22	0.21	0.60	0.53	0.39	1.51
United States	18.4%	29.5%	27.0%	16.1%	9.0%	100%	-0.18	0.30	0.54	0.48	0.36	1.49
Source:	US Census Bureau - American Fact Finder, 2000 Census Supplemental Survey Data											
Notes:	1990 Metropolitan Statistical Area definitions may not match exactly with later definitions as some boundaries were redrawn after the 1990 Census. For 2000, Baltimore includes only Baltimore and Anne Arundel Counties and Baltimore City; Denver includes only Denver and Boulder-Longmont PMSA's; Minneapolis includes only Hennepin, Anoka and Ramsey Counties; Norfolk includes only Virginia Beach City County; Phoenix includes only Maricopa County; Portland includes only Clark, Clackamas, Multnomah, and Washington Counties and the Salem PMSA; Seattle includes only Tacoma and Seattle-Bellevue-Everett PMSA's; and Washington, DC includes only Washington, DC State.											
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