

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%