

DOCUMENT RESUME

ED 449 695

HE 033 694

TITLE United States Health Workforce Personnel Factbook.  
INSTITUTION Health Resources and Services Administration (DHHS/PHS),  
Rockville, MD. Bureau of Health Professions.  
PUB DATE 2000-00-00  
NOTE 209p.  
PUB TYPE Numerical/Quantitative Data (110)  
EDRS PRICE MF01/PC09 Plus Postage.  
DESCRIPTORS \*Demography; \*Health Personnel; Higher Education; \*Labor  
Supply; Medical Students; Tables (Data)

ABSTRACT

This factbook is a compilation of data from secondary sources such as the American Medical Association and the Federal Bureau of Labor Statistics. It includes information on the supply of health personnel in several disciplines, including physicians, physician assistants, podiatrists, dentists, nursing personnel, optometrists, pharmacists, veterinarians, chiropractors, public health personnel, and allied health personnel. It also presents data on the students preparing to enter those disciplines. The factbook also includes the geographic and specialty distributions of selected health personnel and the participation of minorities and women in health professions schools. (Contains 71 tables.) (EV)

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United States

Health Workforce Personnel

# FACITBOOK

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## FOREWORD

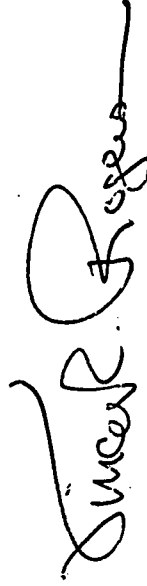
The Health Resources and Services Administration's Bureau of Health Professions provides leadership to improve the education, distribution, utilization and quality of personnel required to meet the Nation's health care needs. In this era of rapid change in the health care delivery system, the Bureau must have timely and accurate health professions data to meet its workforce goals and objectives. Through its National Center for Health Workforce Information and Analysis, the Bureau collects and disseminates information on the training, supply, and distribution of the health care workforce.

The United States Health Workforce Personnel Factbook is a compilation of data from secondary sources, such as the American Medical Association, and the Federal Bureau of Labor Statistics. It includes information on the supply of health personnel in several disciplines, from physicians, dentists, and nurses to alternate providers such as chiropractors and physician assistants, and on the students preparing to enter those disciplines. Also, included are the geographic and specialty distributions of selected health personnel, and the participation of minorities and women in health professions schools.

The Factbook enables the Bureau to widely disseminate the most timely and comprehensive health professions data. Federal, State and local officials, educational institutions, professional organizations, and health planners and researchers continually request information contained within. This publication should prove to be a valuable resource for those, both within and outside the Bureau, who are involved in health care workforce issues.



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## INTRODUCTION

The **United States Health Workforce Personnel Factbook** is a compilation of data from secondary sources on students and practitioners in the health professions. The **FACTBOOK** presents workforce data on physicians, physician assistants, podiatrists, dentists, nursing personnel, optometrists, pharmacists, veterinarians, chiropractors, public health personnel and allied health personnel. Education-related data for most of these occupations are also included. Although every effort has been made to select the most useful and recent data, we realize that by the time of publication some data items may not be as up to date as others.

The tables were compiled from many sources which include various professional associations, educational associations, and other federal agencies. Since the data displayed in the **FACTBOOK** are compiled from secondary sources, whose data collection activities vary in the frequency and the amount and type of information collected, some occupations are covered in much more detail than others. For example, geographic distribution tables are presented only for physicians, dentists, nurses, and physician assistants. Also, data describing areas of practice specialization are only presented for physicians and registered nurses. To make the **FACTBOOK** a more comprehensive document, we encourage comments, suggestions and additional data for consideration and/or inclusion in future editions.

The **FACTBOOK** was prepared in the Bureau of Health Professions (BHPr), Vincent C. Rogers, D.D.S., M.P.H., Associate Administrator for Health Professions. It was produced by Ms. Evelyn Christian, Statistician, National Center for Health Workforce Information and Analysis (NCHWIA) of BHPr's Office of Research and Planning (ORP), Marilyn Biviano, Ph.D., Director. Principal contributions were made by Mr. Stuart Bernstein, Operations Research Analyst, NCHWIA, ORP and Mr. William Spencer, Statistician, Division of Nursing, BHPr.

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HEALTH OCCUPATION	NUMBER										PERCENT CHANGE									
	1970	1975	1980	1985	1990	1995	1996	1970-1996	1970-1975	1975-1980	1980-1985	1985-1990	1990-1995	1995-1996	1970-1975	1975-1980	1980-1985	1985-1990	1990-1995	1995-1996
Physicians	323,800	380,400	453,100	533,600	601,700	681,700	701,200	116.6	17.5	19.1	17.8	12.8	13.3	2.9	17.5	19.1	17.8	12.8	13.3	2.9
Allopathic (MD) 1/	311,200	366,400	435,500	511,100	572,700	646,000	663,900	113.3	17.7	18.9	17.4	12.1	12.8	2.8	17.7	18.9	17.4	12.1	12.8	2.8
Osteopathic (DO) 2/	12,600	14,000	17,600	22,500	29,000	35,700	37,300	196.0	11.1	25.7	27.8	28.9	23.1	4.5	11.1	25.7	27.8	28.9	23.1	4.5
Dentists	96,000	107,100	121,900	133,500	147,500	153,300	154,900	61.4	11.6	13.8	9.5	10.5	3.9	1.0	11.6	13.8	9.5	10.5	3.9	1.0
Optometrists	18,400	19,900	21,900	24,000	26,000	28,900	29,500	60.3	8.2	10.1	9.6	8.3	11.2	2.1	8.2	10.1	9.6	8.3	11.2	2.1
Pharmacists	112,600	121,800	142,400	153,500	166,700	182,300	185,000	64.3	8.2	16.9	7.8	8.6	9.4	1.5	8.2	16.9	7.8	8.6	9.4	1.5
Veterinarians	25,900	31,100	36,500	42,600	48,700	55,400	56,700	118.9	20.1	17.4	16.7	14.3	13.8	2.3	20.1	17.4	16.7	14.3	13.8	2.3
Registered Nurses	750,000	961,000	1,272,900	1,538,100	1,789,600	2,115,800	2,161,700	188.2	28.1	32.5	20.8	16.4	18.2	2.2	28.1	32.5	20.8	16.4	18.2	2.2

HEALTH OCCUPATION	PRACTITIONERS PER 100,000 POPULATION										PERCENT CHANGE									
	1970	1975	1980	1985	1990	1995	1996	1970-1996	1970-1975	1975-1980	1980-1985	1985-1990	1990-1995	1995-1996	1970-1975	1975-1980	1980-1985	1985-1990	1990-1995	1995-1996
Physicians	155.6	173.5	195.9	220.5	237.6	255.1	260.0	67.1	11.5	12.9	12.5	7.8	7.4	1.9	11.5	12.9	12.5	7.8	7.4	1.9
Allopathic (MD)	149.6	167.1	188.3	211.2	226.1	241.8	246.1	64.6	11.7	12.7	12.1	7.1	6.9	1.8	11.7	12.7	12.1	7.1	6.9	1.8
Osteopathic (DO)	6.1	6.4	7.6	9.3	11.5	13.4	13.8	128.4	5.4	19.2	22.2	23.2	16.7	3.5	5.4	19.2	22.2	23.2	16.7	3.5
Dentists	46.5	49.3	53.2	55.7	58.7	58.0	58.1	24.9	6.1	7.9	4.6	5.3	-1.2	0.2	6.1	7.9	4.6	5.3	-1.2	0.2
Optometrists	8.9	9.2	9.6	10.0	10.3	10.9	11.1	24.1	2.9	4.4	4.7	3.3	5.7	1.2	2.9	4.4	4.7	3.3	5.7	1.2
Pharmacists	54.5	56.1	62.2	64.1	66.3	68.9	69.4	27.2	2.9	10.9	3.0	3.5	3.9	0.6	2.9	10.9	3.0	3.5	3.9	0.6
Veterinarians	12.5	14.3	15.9	17.8	19.4	21.0	21.3	69.4	14.2	11.3	11.5	9.0	8.1	1.5	14.2	11.3	11.5	9.0	8.1	1.5
Registered Nurses	366.0	449.0	555.0	640.0	710.0	798.0	808.0	120.8	22.7	23.6	15.3	10.9	12.4	1.3	22.7	23.6	15.3	10.9	12.4	1.3

NOTE: MD data for 1990 are as of January 1. Data for all other years are as of December 31.

1/ The numbers of active MDs include those MDs whose activity status is not classified by the American Medical Association.  
 2/ 1970 data estimated using 1975 proportion of listed DOs to active DOs.

SOURCE: Data estimated by Health Resources and Services Administration, Bureau of Health Professions.



TABLE 102. FIRST-YEAR ENROLLMENTS IN SCHOOLS FOR SELECTED HEALTH PROFESSIONS,  
SELECTED ACADEMIC YEARS 1970-71 TO 1996-97

HEALTH OCCUPATION	NUMBER OF STUDENTS									
	1970-1971	1975-1976	1980-1981	1985-1986	1990-1991	1995-1996	1996-1997	PERCENT CHANGE		
	TO	TO	TO	TO	TO	TO	TO	TO	TO	TO
MEDICINE	11,348	15,295	17,186	16,963	16,876	17,058	16,935			
ALLOPATHIC (MD)	623	1,038	1,496	1,737	1,950	2,274	2,535			
OSTEOPATHIC (DO)	351	641	695	811	622	630	616			
PODIATRIC MEDICINE 1/	4,565	5,763	6,030	4,843	4,001	4,237	4,255			
DENTISTRY	884	1,057	1,258	1,251	1,239	1,438	1,362			
OPTOMETRY 2/	5,694	8,710	7,377	7,091	8,267	8,740	8,790			
PHARMACY 3/	1,430	1,712	2,239	2,282	2,197	2,283	2,334			
VETERINARY MEDICINE	78,524	112,174	110,201	100,791	113,526	119,205	NA			
NURSING (RN)										
	1970-1971	1975-1976	1980-1981	1985-1986	1990-1991	1995-1996	1996-1997			
	TO	TO	TO	TO	TO	TO	TO			
MEDICINE	49.2	34.8	12.4	-1.3	-0.5	1.1	-0.7			
ALLOPATHIC (MD)	306.9	66.6	44.1	16.1	12.3	16.6	11.5			
OSTEOPATHIC (DO)	75.5	82.6	8.4	16.7	-23.3	1.3	-2.2			
PODIATRIC MEDICINE 1/	-6.8	26.2	4.6	-19.7	-17.4	5.9	0.4			
DENTISTRY	54.1	19.6	19.0	-0.6	-1.0	16.1	-5.3			
OPTOMETRY 2/	54.4	53.0	-15.3	-3.9	16.6	5.7	0.6			
PHARMACY 3/	63.2	19.7	30.8	1.9	-3.7	3.9	2.2			
VETERINARY MEDICINE	NA	42.9	-1.8	-8.5	12.6	5.0	NA			
NURSING (RN)										

1/ Beginning in academic year 1993-94, podiatry data exclude the New York College of Podiatry.

2/ Optometry data exclude St. Louis University in 1996-97.

3/ Pharmacy first-year enrollments prior to 1980-81 include students in the third from the last year of all first professional degree programs. Since 1980-81, pharmacy first-year enrollments include students in the third from the last year of the Baccalaureate program and the fourth from the last year of the Pharm.D.1 program.

SOURCES: Association of American Medical Colleges. AAMC Data Book, Statistical Information Related to Medical Education, January 1998. Washington, DC, 1998; American Association of Colleges of Osteopathic Medicine. 1997 Annual Statistical Report. Rockville, MD, 1997; American Association of Colleges of Podiatric Medicine. Unpublished data; American Dental Association. 1996/97 Survey of Predoctoral Dental Educational Institutions Annual Report and prior annual reports. Chicago, 1997; American Schools and Colleges of Optometry. Unpublished data; American Association of Colleges of Pharmacy. Institutional Research Report Series, Profile of Pharmacy Students Fall 1996. Alexandria, VA, 1997. Also unpublished data; Association of American Veterinary Medical Colleges. Unpublished data; National League for Nursing. Nursing Datasource 1997. New York, 1997. Also unpublished data.

TABLE 103. TOTAL ENROLLMENTS IN SCHOOLS FOR SELECTED HEALTH PROFESSIONS,  
SELECTED ACADEMIC YEARS 1970-71 TO 1996-97

HEALTH OCCUPATION	NUMBER OF STUDENTS						
	1970-1971	1975-1976	1980-1981	1985-1986	1990-1991	1995-1996	1996-1997
MEDICINE							
ALLOPATHIC (MD)	40,487	56,244	65,189	66,585	65,163	66,970	67,276
OSTEOPATHIC (DO)	2,151	3,443	4,940	6,608	6,792	8,475	8,961
PODIATRIC MEDICINE 1/	1,147	2,085	2,577	2,749	2,226	2,312	2,175
DENTISTRY	16,553	20,767	22,842	19,563	15,951	16,552	16,570
OPTOMETRY 2/	2,831	3,888	4,641	4,562	4,760	5,312	5,210
PHARMACY 3/	15,626	24,416	22,093	19,098	23,238	28,060	28,027
VETERINARY MEDICINE	5,006	6,274	8,156	8,928	8,420	8,854	8,956
PUBLIC HEALTH	NA	6,461	8,486	9,494	12,032	14,973	14,507
NURSING (RN)	162,924	248,171	230,966	217,955	237,598	261,219	238,244

PERCENT CHANGE

	1970-1971		1975-1976		1980-1981		1985-1986		1990-1991		1995-1996		1996-1997	
	TO	1975-1976	TO	1980-1981	TO	1985-1986	TO	1990-1991	TO	1995-1996	TO	1996-1997		
MEDICINE														
ALLOPATHIC (MD)	66.2	38.9	15.9	2.1	2.1	-2.1	2.8	0.5	2.8	2.8	2.8	0.5	5.7	5.7
OSTEOPATHIC (DO)	316.6	60.1	43.5	33.8	33.8	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
PODIATRIC MEDICINE 1/	89.6	81.8	23.6	6.7	6.7	-19.0	-19.0	-19.0	-19.0	-19.0	-19.0	-19.0	-19.0	-19.0
DENTISTRY	0.1	25.5	10.0	-14.4	-14.4	-18.5	-18.5	-18.5	-18.5	-18.5	-18.5	-18.5	-18.5	-18.5
OPTOMETRY 2/	84.0	37.3	19.4	-1.7	-1.7	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
PHARMACY 3/	79.4	56.3	-9.5	-13.6	-13.6	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7
VETERINARY MEDICINE	78.9	25.3	30.0	9.5	9.5	-5.7	-5.7	-5.7	-5.7	-5.7	-5.7	-5.7	-5.7	-5.7
PUBLIC HEALTH	NA	NA	31.3	11.9	11.9	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7
NURSING (RN)	46.2	52.3	-6.9	-5.6	-5.6	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0

1/ Since academic year 1993-94, data have been excluded for the New York College of Podiatry.

2/ Optometry data exclude St. Louis University in 1996-97.

3/ Pharmacy total enrollments prior to 1980-81 include students in the final 3 years of all first professional degree programs (Baccalaureate and Pharm.D.1). Pharmacy total enrollments since 1980-81 included students in all professional years of the degree programs (3 years for Baccalaureate programs and 4 years for Pharm.D.1 programs).

SOURCES: Association of American Medical Colleges. AAMC Data Book, Statistical Information Related to Medical Education, January 1998. Washington, DC, 1998; American Association of Colleges of Osteopathic Medicine. 1997 Annual Statistical Report. Rockville, MD, 1997; American Association of Colleges of Podiatric Medicine. Unpublished data; American Dental Association. 1996/97 Survey of Predoctoral Dental Educational Institutions Annual Report. Chicago, 1997. Also prior annual reports; American Schools and Colleges of Optometry. Unpublished data; American Association of Colleges of Pharmacy. Institutional Research Report Series, Profile of Pharmacy Students Fall 1996. Alexandria, VA, 1997. Also prior annual reports; Association of American Veterinary Medical Colleges. Unpublished data; Association of Schools of Public Health. 1996 US Schools of Public Health Data Report, May 1998; National League for Nursing. Nursing Datasource, 1997. Also unpublished data.



TABLE 104. GRADUATES FROM SCHOOLS FOR SELECTED HEALTH PROFESSIONS,  
SELECTED ACADEMIC YEARS 1970-71 TO 1995-96

HEALTH OCCUPATION	NUMBER OF GRADUATES					
	1970-1971	1975-1976	1980-1981	1985-1986	1990-1991	1995-1996
MEDICINE	8,974	13,634	15,632	16,117	15,427	15,907
ALLOPATHIC (MD)	432 1/	809	1,151	1,560	1,932	1,932
OSTEOPATHIC	261	497	597	612	591	680
PODIATRIC MEDICINE	3,775	5,336	5,550	4,957	3,995	3,810
DENTISTRY	528	7,906	1,092	1,085	1,224	1,210
OPTOMETRY	4,747	7,464	7,323	5,800	7,122	8,003
PHARMACY	1,239	1,523	1,932	2,181	2,021	2,111 2/
VETERINARY MEDICINE	1,741 1/	2,897	3,168	3,268	3,995	5,064
PUBLIC HEALTH	46,455	77,065	73,985	77,027	72,230	94,757
NURSING (RN)						

PERCENT CHANGE

HEALTH OCCUPATION	1970-1971 TO 1995-1996		1975-1976 TO 1980-1981		1980-1981 TO 1985-1986		1985-1986 TO 1990-1991		1990-1991 TO 1995-1996	
	TO	TO	TO	TO	TO	TO	TO	TO	TO	
MEDICINE	77.3	51.9	14.7	3.1	-4.3	3.1	-4.3	3.1	3.1	3.1
ALLOPATHIC (MD)	347.2	87.3	42.3	35.5	-1.7	35.5	-1.7	35.5	25.9	25.9
OSTEOPATHIC	182.2	106.2	20.1	20.1	-3.4	2.5	-3.4	2.5	15.1	15.1
PODIATRIC MEDICINE	0.9	41.4	4.0	4.0	-10.7	-10.7	-19.4	-19.4	-4.6	-4.6
DENTISTRY	129.2	71.6	20.5	20.5	-0.6	-0.6	12.8	12.8	-1.1	-1.1
OPTOMETRY	68.6	57.2	-1.9	-1.9	-20.8	-20.8	22.8	22.8	12.4	12.4
PHARMACY	70.4	22.9	26.9	26.9	12.9	12.9	-7.3	-7.3	4.5	4.5
VETERINARY MEDICINE	190.9	66.4	9.4	9.4	22.2	22.2	22.2	22.2	26.8	26.8
PUBLIC HEALTH	104.0	65.9	-4.0	-4.0	3.2	3.2	-6.2	-6.2	31.2	31.2
NURSING (RN)										

1/ Data are for 1969-70.

2/ Data are for 1994-95.

SOURCES: Association of American Medical Colleges. AMC Data Book, Statistical Information Related to Medical Education, January 1998. Washington, DC, 1998; American Association of Colleges of Osteopathic Medicine. 1997 Annual Statistical Report. Rockville, MD, 1997; American Association of Colleges of Podiatric Medicine. Unpublished data; American Dental Association. 1996/97 Survey of Predoctoral Dental Educational Institutions Annual Report. Chicago, 1997. Also prior annual reports; American Schools and Colleges of Optometry. Unpublished data; American Association of Colleges of Pharmacy. Institutional Research Report Series, Profile of Pharmacy Students Fall 1996. Alexandria, VA, 1997. Also prior annual reports; Association of American Veterinary Medical Colleges. Unpublished data; Association of Schools of Public Health. 1996 US Schools of Public Health Data Report, May 1998; National League for Nursing. Nursing Datasource, 1997. Also unpublished data.



TABLE 105. FIRST-YEAR ENROLLMENTS IN SCHOOLS FOR SELECTED HEALTH PROFESSIONS BY RACE AND ETHNICITY, SELECTED ACADEMIC YEARS 1981-82, 1991-92, AND 1996-97

Occupation, Race and Ethnicity	Number of students			Percent of students		
	1981-82	1991-92	1996-97 1/	1981-82	1991-92	1996-97 1/
<b>Allopathic medicine</b>						
All races 2/	17,268	17,071	16,935	100.0	100.0	100.0
Non-Hispanic white	14,218	11,677	11,117	82.3	68.4	65.6
Underrepresented minority 3/	1,671	1,876	2,223	9.7	11.0	13.1
Non-Hispanic black	1,196	1,304	1,423	6.9	7.6	8.4
Hispanic	902	1,006	1,207	5.2	5.9	7.1
Mexican American	300	351	501	1.7	2.1	3.0
Mainland Puerto Rican	105	128	150	0.6	0.7	0.9
Other Hispanic 4/	497	527	556	2.9	3.1	3.3
Native American	70	93	149	0.4	0.5	0.9
Asian	765	2,744	3,039	4.4	16.1	17.9
<b>Osteopathic medicine</b>						
All races	1,582	1,974	2,535	100.0	100.0	100.0
Non-Hispanic white 2/	1,478	1,608	1,984	93.4	81.5	78.3
Underrepresented minority	71	141	244	4.5	7.1	9.6
Non-Hispanic black	37	67	115	2.3	3.4	4.5
Hispanic	22	67	112	1.4	3.4	4.4
Native American	12	7	17	0.8	0.4	0.7
Asian	33	225	307	2.1	11.4	12.1
<b>Podiatry</b>						
All races	702	725	616	100.0	100.0	100.0
Non-Hispanic white 2/	615	511	471	87.6	70.5	76.5
Underrepresented minority	64	131	49	9.1	18.1	8.0
Non-Hispanic black	47	75	24	6.7	10.3	3.9
Hispanic	16	52	22	2.3	7.2	3.6
Native American	1	4	3	0.1	0.6	0.5
Asian	23	83	96	3.3	11.4	15.6



TABLE 105. FIRST-YEAR ENROLLMENTS IN SCHOOLS FOR SELECTED HEALTH PROFESSIONS BY RACE AND ETHNICITY, SELECTED ACADEMIC YEARS 1981-82, 1991-92, AND 1996-97 (Continued)

Occupation, Race and Ethnicity	Number of students			Percent of students		
	1981-82	1991-92	1996-97 1/	1981-82	1991-92	1996-97 1/
<b>Dentistry 5/</b>						
All races	5,789	4,006	4,204	100.0	100.0	100.0
Non-Hispanic white 2/	4,913	2,792	2,788	84.9	69.7	66.3
Underrepresented minority	503	499	422	8.7	12.5	10.0
Non-Hispanic black	299	255	243	5.2	6.4	5.8
Hispanic	183	233	156	3.2	5.8	3.7
Native American	21	11	23	0.4	0.3	0.5
Asian	373	715	994	6.4	17.8	23.6
<b>Optometry 5/</b>						
All races	1,162	1,321	1,323	100.0	100.0	100.0
Non-Hispanic white 2/	--	1,048	951	--	79.3	71.9
Underrepresented minority	--	89	83	--	6.7	6.3
Non-Hispanic black	--	35	38	--	2.6	2.9
Hispanic	--	47	41	--	3.6	3.1
Native American	--	7	4	--	0.5	0.3
Asian	--	184	289	--	13.9	21.8
<b>Pharmacy 5,6/</b>						
All races	6,617	8,264	8,719	100.0	100.0	100.0
Non-Hispanic white 2/	5,683	6,321	--	85.9	76.5	--
Underrepresented minority	552	938	--	8.3	11.4	--
Non-Hispanic black	366	691	--	5.5	8.4	--
Hispanic	175	204	--	2.6	2.5	--
Native American	11	43	--	0.2	0.5	--
Asian	360	1,005	--	5.4	12.2	--
<b>Veterinary medicine</b>						
All races	2,246	2,225	2,334	100.0	100.0	100.0
Non-Hispanic white 2/	--	2,053	2,156	--	92.3	92.4
Underrepresented minority	--	129	139	--	5.8	6.0
Non-Hispanic black	--	50	49	--	2.2	2.1
Hispanic	--	65	77	--	2.9	3.3
Native American	--	14	13	--	0.6	0.6
Asian	--	43	39	--	1.9	1.7

TABLE 105. FIRST-YEAR ENROLLMENTS IN SCHOOLS FOR SELECTED HEALTH PROFESSIONS BY RACE AND ETHNICITY, SELECTED ACADEMIC YEARS 1981-82, 1991-92, AND 1996-97 (Continued)

Occupation, Race and Ethnicity	Number of students			Percent of students		
	1981-82	1991-92	1996-97 1/	1981-82	1991-92	1996-97 1/
Public Health 7/						
All races 2/	NA	3,432	4,563	NA	100.0	100.0
Non-Hispanic white	--	2,466	2,976	--	71.9	65.2
Underrepresented minority	--	613	779	--	17.9	17.1
Non-Hispanic black	--	248	344	--	7.2	7.5
Hispanic 4/	--	338	412	--	9.8	9.0
Native American	--	27	23	--	0.8	0.5
Asian	--	212	626	--	6.2	13.7
Nursing (RN programs) 5, 8/						
All races	115,279	122,656	119,205	100.0	100.0	100.0
Non-Hispanic white	--	103,076	96,449	--	84.0	80.9
Underrepresented minority	--	15,608	17,739	--	12.7	14.9
Non-Hispanic black	--	10,476	12,123	--	8.5	10.2
Hispanic	--	4,258	4,715	--	3.5	4.0
Native American	--	874	901	--	0.7	0.8
Asian	--	3,972	5,017	--	3.2	4.2

1/ First-year enrollments for nursing students are for 1995-96.

2/ Includes race/ethnicity unspecified.

3/ Includes Non-Hispanic Black, Mainland Puerto Rican, Mexican American, and American Indian.

4/ Includes students attending schools in the Commonwealth of Puerto Rico.

5/ Excludes students attending schools in the Commonwealth of Puerto Rico.

6/ For 1991-92 and earlier years, pharmacy first-year enrollment data included students in the first year of the final three years of all first professional degree programs (Bacc. and Pharm.D.'s). For example, in 1996-97, pharmacy first-year enrollments include students in the Baccalaureate Class of 1999 and the Pharm.D.1 Class of 2000.

7/ U.S. citizens only.

8/ In 1990, the National League for Nursing developed a new system for analyzing minority data and in academic years 1992-93 and 1993-94, the minority data question was changed. Therefore, race/ethnicity data may not be directly comparable to prior years.

SOURCES: Association of American Medical Colleges. AAMC DATA BOOK, Statistical Information Related to Medical Education, January 1998. Washington, DC, 1998; American Association of Colleges of Osteopathic Medicine. 1997 Annual Statistical Report. Rockville, MD, 1997; American Association of Colleges of Podiatric Medicine. Unpublished data; American Dental Association. 1996/97 Survey of Predoctoral Dental Educational Institutions. Chicago, 1997; Bureau of Health Professions. Minorities and Women in the Health Fields, 1994 Edition. Association of Schools and Colleges of Optometry. Unpublished data; American Association of Colleges of Pharmacy. Institutional Research Report Series, Profile of Pharmacy Students Fall 1996. Alexandria, VA, 1997. Also unpublished data; Association of American Veterinary Medical Colleges. Unpublished data; Association of Schools of Public Health. 1996 US Schools of Public Health Data Report, May 1998; National League for Nursing. Nursing Datasource 1997, New York, 1997, State-Approved Schools of Nursing-RN 1973, New York, 1973.

TABLE 106. TOTAL ENROLLMENT IN SCHOOLS FOR SELECTED HEALTH PROFESSIONS BY RACE AND ETHNICITY, SELECTED ACADEMIC YEARS 1981-82, 1991-92, AND 1996-97

Occupation, Race and Ethnicity	Number of students			Percent of students		
	1981-82	1991-92	1996-97	1981-82	1991-92	1996-97
<b>Allopathic medicine</b>						
All races 1/	66,298	65,602	67,276	100.0	100.0	100.0
Non-Hispanic white	56,201	47,094	44,283	84.8	71.8	65.8
Underrepresented minority 2/	5,503	6,325	8,234	8.3	9.6	12.2
Non-Hispanic black	3,884	4,334	5,400	5.9	6.6	8.0
Hispanic	3,093	3,645	4,424	4.7	5.6	6.6
Mexican American	1,040	1,205	1,818	1.6	1.8	2.7
Mainland Puerto Rican	1,350	1,488	1,488	0.5	0.7	0.7
Other Hispanic 3/	1,703	1,955	2,118	2.6	3.0	3.1
Native American	229	301	528	0.3	0.5	0.8
Asian	2,518	9,438	11,808	3.8	14.4	17.6
<b>Osteopathic medicine</b>						
All races	5,304	7,012	8,961	100.0	100.0	100.0
Non-Hispanic white 1/	5,003	5,778	7,148	94.3	82.4	79.8
Underrepresented minority	192	549	791	3.6	7.8	8.8
Non-Hispanic black	104	236	369	2.0	3.4	4.1
Hispanic	62	276	339	1.2	3.9	3.8
Native American	26	37	83	0.5	0.5	0.9
Asian	109	685	1,022	2.1	9.8	11.4
<b>Podiatry</b>						
All races	2,584	2,247	2,175	100.0	100.0	100.0
Non-Hispanic white 1/	2,346	1,644	1,705	90.8	73.2	78.4
Underrepresented minority	170	402	165	6.6	17.9	7.6
Non-Hispanic black	125	233	80	4.8	10.4	3.7
Hispanic	40	161	73	1.5	7.2	3.4
Native American	5	8	12	0.2	0.4	0.6
Asian	68	201	305	2.6	8.9	14.0

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TABLE 106. TOTAL ENROLLMENT IN SCHOOLS FOR SELECTED HEALTH PROFESSIONS BY RACE AND ETHNICITY, SELECTED ACADEMIC YEARS 1981-82, 1991-92, AND 1996-97 (Continued)

Occupation, Race and Ethnicity	Number of students			Percent of students		
	1981-82	1991-92	1996-97	1981-82	1991-92	1996-97
<b>Dentistry 4/</b>						
All races	22,357	15,715	16,400	100.0	100.0	100.0
Non-Hispanic white 1/	19,518	11,152	11,100	87.3	71.0	67.7
Underrepresented minority	1,643	1,907	1,628	7.3	12.6	9.9
Non-Hispanic black	999	891	891	4.5	5.8	5.4
Hispanic	583	1,020	654	2.6	6.5	4.0
Native American	61	51	83	0.3	0.3	0.5
Asian	1,196	2,585	3,672	5.3	16.4	22.4
<b>Optometry 4/</b>						
All races	4,541	4,743	5,075	100.0	100.0	100.0
Non-Hispanic white 1/	4,094	3,751	3,705	90.2	79.1	73.0
Underrepresented minority	164	340	343	3.6	7.2	6.8
Non-Hispanic black	57	140	120	1.3	3.0	2.4
Hispanic	98	178	200	2.2	3.8	3.9
Native American	9	22	23	0.2	0.5	0.5
Asian	283	652	1,027	6.2	13.7	20.2
<b>Pharmacy 4,5/</b>						
All races	20,134	23,266	32,853	100.0	100.0	100.0
Non-Hispanic white 1/	17,671	18,242	23,091	87.8	78.4	70.3
Underrepresented minority	1,423	2,269	3,610	7.1	9.8	11.0
Non-Hispanic black	932	1,531	2,529	4.6	6.6	7.7
Hispanic	453	651	934	2.2	2.8	2.8
Native American	38	87	147	0.2	0.4	0.4
Asian	1,040	2,755	6,152	5.2	11.8	18.7
<b>Veterinary medicine</b>						
All races	8,391	8,440	8,956	100.0	100.0	100.0
Non-Hispanic white 1/	--	7,804	8,207	--	92.5	91.6
Underrepresented minority	--	495	524	--	5.9	5.9
Non-Hispanic black	--	192	198	--	2.3	2.2
Hispanic	--	257	272	--	3.0	3.0
Native American	--	54	54	--	0.5	0.6
Asian	--	141	174	--	1.7	1.9



TABLE 106. TOTAL ENROLLMENT IN SCHOOLS FOR SELECTED HEALTH PROFESSIONS BY RACE AND ETHNICITY, SELECTED ACADEMIC YEARS 1981-82, 1991-92, AND 1996-97 (Continued)

Occupation, Race and Ethnicity	Number of students			Percent of students		
	1981-82	1991-92	1996-97	1981-82	1991-92	1996-97
<b>Public Health 6/</b>						
All races 1/						
Non-Hispanic white	7,366	10,067	12,412	100.0	100.0	100.0
Underrepresented minority	5,440	7,601	8,489	73.9	75.5	68.4
Non-Hispanic black	729	1,576	2,179	9.9	15.7	17.6
Hispanic 3/	376	994	994	5.1	7.0	8.0
Native American	271	783	1,088	3.7	7.8	8.8
Asian	82	88	97	1.1	0.9	0.8
	335	543	1,362	4.5	5.4	11.0
<b>Nursing (RN programs) 4,7/</b>						
All races						
Non-Hispanic white	234,995	237,598	238,244	100.0	100.0	100.0
Underrepresented minority	--	200,073	193,061	--	84.2	81.0
Non-Hispanic black	--	30,578	34,654	--	12.9	14.5
Hispanic	--	21,529	23,611	--	9.1	9.9
Native American	--	7,349	9,227	--	3.1	3.9
Asian	--	1,700	1,816	--	0.7	0.8
	--	6,947	10,529	--	2.9	4.4

1/ Includes race/ethnicity unspecified.  
 2/ Includes Non-Hispanic Black, Mainland Puerto Rican, Mexican American, and American Indian.  
 3/ Includes students attending schools in the Commonwealth of Puerto Rico.  
 4/ Excludes students attending schools in the Commonwealth of Puerto Rico.  
 5/ For 1991-92 and earlier years, pharmacy total enrollment race/ethnicity data included students in the final three years of all first professional degree programs (Bacc. and Pharm.0.1). Since 1991-92, pharmacy total enrollment race/ethnicity data include all students enrolled in the first professional degree program.  
 6/ U.S. citizens only.  
 7/ In 1990, the National League for Nursing developed a new system for analyzing minority data and in academic years 1992-93 and 1993-94 the minority data question was changed. Therefore, racial/ethnic data may not be directly comparable to prior years.

SOURCES: Association of American Medical Colleges. AAMC DATA BOOK, Statistical Information Related to Medical Education, January 1998. Washington, DC, 1998; American Association of Colleges of Osteopathic Medicine. 1997 Annual Statistical Report. Rockville, MD, 1997; American Association of Colleges of Podiatric Medicine. Unpublished data; American Dental Association. 1996/97 Survey of Predoctoral Dental Educational Institutions. Chicago, 1997; Bureau of Health Professions. Minorities and Women in the Health Fields, 1994 Edition. Association of Schools and Colleges of Optometry. Unpublished data; American Association of Colleges of Pharmacy. Institutional Research Report Series, Profile of Pharmacy Students Fall 1996. Alexandria, VA, 1997. Also unpublished data; Association of American Veterinary Medical Colleges. Unpublished data; Association of Schools of Public Health. 1996 US Schools of Public Health Data Report, May 1998; National League for Nursing. Nursing Datasource 1997, New York, 1997, State-Approved Schools of Nursing-RN 1973, New York, 1973.



TABLE 107. FIRST-YEAR AND TOTAL ENROLLMENTS OF WOMEN IN SCHOOLS FOR SELECTED HEALTH PROFESSIONS, SELECTED ACADEMIC YEARS 1971-72, 1981-82, 1991-92, AND 1996-97

ENROLLMENT AND OCCUPATION	Both Sexes				Women			
	1971-72 1/	1981-82	1991-92	1996-97 2/	1971-72 1/	1981-82	1991-92	1996-97 2/
	Number of Students				Percent of Students			
First-year enrollment								
Allopathic medicine	12,361	17,268	17,071	16,935	13.7	30.8	39.9	42.9
Osteopathic medicine	670	1,592	1,974	2,535	4.3	23.9	32.7	37.8
Dentistry 3/	4,705	5,789	4,006	4,204	3.1	21.4	35.9	37.6
Podiatry	400	702	725	616	--	--	28.0	31.0
Optometry 3/	906	1,162	1,321	1,323	5.3	26.7	53.1	53.4
Pharmacy 3,4/	6,532	6,617	8,264	8,719	25.8	50.1	63.0	63.1
Veterinary medicine	1,453	2,246	2,225	2,334	15.3	47.2	--	68.5
Nursing (RN)	93,344	115,279	122,656	119,205	94.5	92.7	89.8	87.5
Total enrollment								
Allopathic medicine	43,650	66,298	65,602	67,276	10.9	27.9	38.1	42.2
Osteopathic medicine	2,304	5,304	7,012	8,961	3.4	20.9	33.4	36.9
Dentistry 3/	17,305	22,357	15,715	16,400	--	18.4	35.4	36.7
Podiatry	1,268	2,384	2,247	2,175	1.2	14.0	28.9	30.2
Optometry 3/	3,094	4,541	4,743	5,075	--	--	49.5	52.9
Pharmacy 3,4/	16,322	20,132	23,266	27,823	--	--	62.5	63.6
Veterinary medicine	5,149	8,591	8,440	8,956	11.5	41.8	62.1	66.8
Public Health 5/	NA	7,366	10,067	12,664	--	55.4	65.9	66.0
Nursing (RN)	211,239	234,995	237,598	238,244	95.5	94.3	90.1	87.9

1/ Total enrollments for nursing students are for 1972-73.

2/ First-year enrollments for nursing students and total enrollments for public health students are for 1995-96.

3/ Excludes Puerto Rican schools.

4/ For 1991-92 and earlier years, pharmacy first-year enrollment data include students in the first year of the final three years of all first professional degree programs (Bacc. and Pharm.D.1) and pharmacy total enrollments include students in the final 3 years of the first professional degree program. For 1996-97, pharmacy total enrollments include students in the last 3 years of the Baccalaureate program and last 4 years of the Pharm.D.1 program. Pharmacy first year enrollments for 1996-97 include students in the Baccalaureate Class of 1999 and the Pharm.D.1 Class of 2000.

5/ U.S. citizens only.

SOURCES: Association of American Medical Colleges. AAMC DATA BOOK, Statistical Information Related to Medical Education, January 1998. Washington, DC, 1998; American Association of Colleges of Osteopathic Medicine. 1997 Annual Statistical Report. Rockville, MD, 1997; American Association of Colleges of Podiatric Medicine. Unpublished data; American Dental Association. 1996/97 Survey of Predoctoral Dental Educational Institutions. Chicago, 1997; Bureau of Health Professions. Minorities and Women in the Health Fields, 1994 Edition. Association of Schools and Colleges of Optometry. Unpublished data; American Association of Colleges of Pharmacy. Institutional Research Report Series, Profile of Pharmacy Students Fall 1996. Alexandria, VA, 1997. Also unpublished data: Association of American Veterinary Medical Colleges. Unpublished data; Association of Schools of Public Health. 1995 US Schools of Public Health Data Report, July 1997; National League for Nursing. Nursing Datasource 1997, New York, 1997. State-Approved Schools of Nursing-RN 1973, New York, 1973.



TABLE 108. GRADUATES FROM SCHOOLS FOR SELECTED HEALTH PROFESSIONS BY RACE AND ETHNICITY  
SELECTED ACADEMIC YEARS 1980-81, 1990-91, AND 1994-95

Occupation, Race and Ethnicity	Number of graduates			Percent of graduates		
	1980-81	1990-91	1994-95	1980-81	1990-91	1994-95
<b>Allopathic medicine</b>						
All races 1/	15,632	15,427	15,888	100.0	100.0	100.0
Non-Hispanic white	13,201	11,792	11,078	84.4	76.4	69.7
Underrepresented minority 2/	1,086	1,326	1,427	6.9	8.6	9.0
Non-Hispanic black	766	918	970	4.9	6.0	6.1
Hispanic	530	832	897	3.4	5.4	5.6
Mexican American	201	261	287	1.3	1.7	1.8
Mainland Puerto Rican	76	101	105	0.5	0.7	0.7
Other Hispanic 3/	253	470	505	1.6	3.0	3.2
American Indian	43	46	65	0.3	0.3	0.4
Asian	456	1,687	2,579	2.9	10.9	16.2
<b>Dentistry 4/</b>						
All races	5,495	3,938	3,867	100.0	100.0	100.0
Non-Hispanic white 1/	4,931	2,854	2,739	89.7	72.5	70.8
Underrepresented minority	318	507	468	5.8	12.9	12.1
Non-Hispanic black	214	204	201	3.9	5.2	5.2
Hispanic	90	291	251	1.6	7.4	6.5
American Indian	14	12	8	0.3	0.3	0.2
Asian	246	577	660	4.5	14.7	17.1
<b>Pharmacy 4/</b>						
All races	7,096	7,037	7,765	100.0	100.0	100.0
Non-Hispanic white 1/	6,212	5,719	5,921	87.5	81.3	76.3
Underrepresented minority	596	573	683	8.4	8.1	8.8
Non-Hispanic black	230	350	445	3.2	5.0	5.7
Hispanic	361	203	210	5.1	2.9	2.7
American Indian	5	20	28	0.1	0.3	0.4
Asian	288	745	1,161	4.1	10.6	15.0
<b>Veterinary medicine</b>						
All races	1,932	2,021	2,111	100.0	100.0	100.0
Non-Hispanic white 1/	--	1,873	1,970	--	92.7	93.3
Underrepresented minority	--	114	104	--	5.6	4.9
Non-Hispanic black	--	59	36	--	2.9	1.7
Hispanic	--	45	54	--	2.2	2.6
American Indian	--	10	14	--	0.5	0.7
Asian	--	34	37	--	1.7	1.8

TABLE 108. GRADUATES FROM SCHOOLS FOR SELECTED HEALTH PROFESSIONS BY RACE AND ETHNICITY  
SELECTED ACADEMIC YEARS 1980-81, 1990-91, AND 1994-95 (Continued)

Occupation, Race and Ethnicity	Number of graduates			Percent of graduates		
	1980-81	1990-91	1994-95	1980-81	1990-91	1994-95 1/
<b>Public Health 5/</b>						
All races 1/	2,762	3,170	3,854	100.0	100.0	100.0
Non-Hispanic white	2,159	2,296	2,915	78.2	72.4	75.6
Underrepresented minority	306	479	533	11.1	15.1	13.8
Non-Hispanic black	163	273	273	5.9	6.5	7.1
Hispanic	119	238	236	4.3	7.5	6.1
American Indian	24	34	24	0.9	1.1	0.6
Asian	149	174	330	5.4	5.5	8.6
<b>Registered nurses 4, 6/</b>						
All races	73,985	72,230	97,052	100.0	100.0	100.0
Non-Hispanic white	--	62,682	83,716	--	86.8	86.3
Underrepresented minority	--	7,739	10,394	--	10.7	10.7
Non-Hispanic black	--	5,350	6,751	--	7.4	7.0
Hispanic	--	2,026	3,021	--	2.8	3.1
American Indian	--	363	622	--	0.5	0.6
Asian	--	1,809	2,942	--	2.5	3.0

1/ Includes race/ethnicity unspecified.

2/ Includes Non-Hispanic Black, Mainland Puerto Rican, Mexican American, and American Indian.

3/ Includes Puerto Rican Commonwealth students.

4/ Excludes Puerto Rican schools.

5/ U.S. citizens only.

6/ The minority data question was changed in 1992/93, therefore data for subsequent years may not be directly comparable to data collected prior to 1992-93.

SOURCES: Association of American Medical Colleges. AMC DATA BOOK, Statistical Information Related to Medical Education, January 1997. Washington, DC, 1997; Bureau of Health Professions: Minorities and Women in the Health Fields, 1994 edition; American Dental Association, 1995/96 Survey of Predoctoral Dental Educational Institutions Annual Report. Chicago, 1996; American Association of Colleges of Pharmacy. Institutional Research Report Series, Profile of Pharmacy Students, Fall 1995. Alexandria, VA, 1996; Association of American Veterinary Medical Colleges. Unpublished data; Association of Schools of Public Health. Unpublished data; National League for Nursing. Nursing Datasource, 1996: Vol 1. New York, 1996.

TABLE 109. NUMBER OF HEALTH PROFESSIONS STUDENTS, GRADUATES AND SCHOOLS, SELECTED ACADEMIC YEARS 1949-50 TO 1996-97 AND PROJECTIONS FOR 1999-2000

ACADEMIC YEAR	REGISTERED NURSING					LICENSED PRACTICAL NURSING					PHARMACY	PODIATRY 3/
	MEDICINE	OSTEOPATHY	TOTAL	BACCALAUREATE	ASSOCIATE DEGREE	DIPLOMA	DENTISTRY	OPTOMETRY	PHARMACY	PODIATRY 3/		
First-year enrollment												
1979-80	16,930	1,426	105,952	35,414	53,633	16,905	6,132	1,202	8,035	718		
1980-81	17,186	1,496	110,201	35,808	56,899	17,494	6,030	1,258	7,377	695		
1981-82	17,268	1,582	115,279	35,928	60,423	18,928	5,855	1,249	6,927	702		
1982-83	17,254	1,682	120,579	37,264	63,947	19,368	5,498	1,147	6,609	724		
1983-84	17,150	1,746	123,824	39,400	66,576	17,848	5,274	1,219	6,635	689		
1984-85	16,997	1,750	118,224	39,573	63,776	14,875	5,047	1,187	6,986	782		
1985-86	16,963	1,737	100,791	34,310	56,635	9,846	4,843	1,251	7,091	811		
1986-87	16,819	1,724	90,693	28,026	54,330	8,337	4,554	1,234	7,554	615		
1987-88	16,713	1,692	94,269	28,505	57,375	8,389	4,370	1,268	7,751	716		
1988-89	16,868	1,780	103,025	29,042	63,973	10,010	4,196	1,271	7,990	595		
1989-90	16,756	1,844	108,580	29,858	68,634	10,088	3,979	1,258	8,033	599		
1990-91	16,876	1,950	113,526	33,437	69,869	10,220	4,001	1,239	8,267	561		
1991-92	17,071	1,974	122,656	37,886	74,079	10,691	4,047	1,355	8,343	777		
1992-93	17,079	2,035	126,837	41,290	75,382	10,165	4,072	1,395	8,664	802		
1993-94	17,121	2,162	129,897	42,953	77,343	9,601	4,100	1,351	8,970	701		
1994-95	17,085	2,217	127,184	43,451	76,016	7,717	4,121	1,390	9,157	652		
1995-96	17,058	2,274	119,205	40,048	72,930	6,227	4,237	1,438	8,740	630		
1996-97	16,935	2,535	--	--	--	--	4,255	1,362	8,790	616		
Total enrollment												
1979-80	63,800	4,571	234,659	98,939	92,069	43,651	22,482	4,517	23,074	2,531		
1980-81	65,189	4,940	230,966	95,858	94,060	41,048	22,842	4,641	22,093	2,577		
1981-82	66,298	5,304	234,995	93,967	100,019	41,009	22,621	4,729	20,468	2,584		
1982-83	66,748	5,822	242,035	94,363	105,324	42,348	22,235	4,646	19,350	2,608		
1983-84	67,327	6,212	250,553	98,941	109,605	42,007	21,428	4,652	18,831	2,556		
1984-85	67,016	6,547	237,232	95,008	104,968	37,256	20,588	4,569	18,646	2,616		
1985-86	66,585	6,608	217,955	91,020	96,756	30,179	19,563	4,562	19,098	2,749		
1986-87	66,125	6,640	193,712	81,602	89,469	22,641	18,673	4,636	20,073	2,832		
1987-88	65,735	6,586	182,947	73,621	90,399	18,927	17,885	4,646	21,424	2,790		
1988-89	65,300	6,614	184,924	70,078	95,986	18,860	17,094	4,708	22,447	2,608		

TABLE 109. NUMBER OF HEALTH PROFESSIONS STUDENTS, GRADUATES AND SCHOOLS, SELECTED ACADEMIC YEARS 1949-50 TO 1996-97 AND PROJECTIONS FOR 1999-2000 (Continued)

ACADEMIC YEAR	MEDICINE	OSTEOPATHY	TOTAL	REGISTERED NURSING			DIPLOMA	PRACTICAL NURSING	DENTISTRY	OPTOMETRY	PHARMACY	PODIATRY 3/
				BACCALAUREATE	ASSOCIATE DEGREE							
Total enrollment												
1989-90	65,016	6,615	201,458	74,865	106,175	20,418	46,720	16,412	4,723	23,013	2,397	
1990-91	65,163	6,792	221,170	81,788	117,413	21,969	52,749	15,951	4,760	23,238	2,154	
1991-92	65,602	7,012	237,598	90,877	123,816	22,905	56,762	15,882	4,864	23,482	2,263	
1992-93	66,142	7,375	257,983	102,128	132,603	23,252	59,095	15,980	5,078	26,287	2,438	
1993-94	66,629	7,822	270,228	110,693	137,300	22,235	61,007	16,250	--	27,143	2,161	
1994-95	67,072	8,146	268,350	112,659	135,895	19,796	59,428	16,353	5,201	27,667	2,318	
1995-96	66,970	8,475	261,219	109,505	135,235	16,479	56,028	16,552	5,312	28,060	2,312	
1996-97	67,276	8,961	238,244	103,213	122,242	12,789	--	16,570	5,210	28,027	2,175	
Graduates												
1949-50 1/	5,553	373	28,794	--	--	--	2,828	2,565	961	--	--	
1959-60	7,081	427	30,113	4,136	789	25,188	16,491	3,253	364	3,497	--	
1969-70	8,367	432	43,103	9,069	11,483	22,551	36,456	3,749	445	4,758	--	
1974-75	12,714	702	73,915	20,170	32,183	21,562	45,375	4,969	806	6,712	--	
1979-80	15,113	1,059	75,523	24,994	36,034	14,495	41,892	5,256	1,073	7,432	577	
1980-81	15,632	1,151	75,985	24,370	36,712	12,903	41,002	5,550	1,092	7,323	597	
1981-82	16,012	1,017	74,052	24,081	38,289	11,682	43,299	5,371	1,106	6,859	599	
1982-83	15,802	1,317	77,408	23,855	41,849	11,704	45,174	5,756	1,166	6,374	631	
1983-84	16,343	1,287	80,312	23,718	44,394	12,200	44,654	5,337	1,188	5,963	607	
1984-85	16,318	1,474	82,075	24,975	45,208	11,892	36,955	5,353	1,114	5,735	586	
1985-86	16,117	1,560	77,027	25,170	41,333	10,524	29,599	4,957	1,085	5,800	612	
1986-87	15,830	1,587	70,561	23,761	38,528	8,272	27,285	4,717	1,081	5,854	590	
1987-88	15,919	1,572	64,839	21,504	37,397	5,938	26,912	4,581	1,106	6,184	645	
1988-89	15,630	1,609	61,660	18,997	37,837	4,826	30,368	4,312	1,143	6,560	673	
1989-90	15,398	1,529	66,088	18,571	42,318	5,199	35,417	4,233	1,115	6,956	671	
1990-91	15,427	1,534	72,230	19,264	46,794	6,172	38,100	3,995	1,224	7,122	591	
1991-92	15,365	1,532	80,839	21,415	52,896	6,528	41,951	3,918	1,150	7,113	539	
1992-93	15,466	1,606	88,149	24,442	56,770	6,937	44,822	3,778	1,167	7,380	400	
1993-94	15,555	1,752	94,870	28,912	58,839	7,119	45,083	3,875	1,125	7,504	380	
1994-95	15,888	1,843	97,052	31,254	58,749	7,049	44,234	3,908	1,219	7,837	558	
1995-96	15,907	1,932	94,757	32,413	56,641	5,703	--	3,810	1,210	8,003	680	
1996-97	15,923	2,020	--	--	--	--	--	--	--	--	--	
1999-2000	16,112	1,934	79,660	26,490	47,790	5,380	--	3,242	1,200	7,120	--	

TABLE 109. NUMBER OF HEALTH PROFESSIONS STUDENTS, GRADUATES AND SCHOOLS, SELECTED ACADEMIC YEARS 1949-50 TO 1996-97 AND PROJECTIONS FOR 1999-2000 (Continued)

ACADEMIC YEAR	MEDICINE	OSTEOPATHY	TOTAL	REGISTERED NURSING			DIPLOMA	PRACTICAL NURSING	DENTISTRY	OPTOMETRY	PHARMACY	PODIATRY 3/
				BACCALAUREATE	ASSOCIATE DEGREE	LICENSED						
Schools 2/												
1950-51	79	6	1,170	--	--	--	85	42	10	--	--	--
1960-61	86	6	1,137	172	57	908	661	47	10	76	74	--
1970-71	103	7	1,340	267	437	636	1,233	53	11	74	73	5
1975-76	114	9	1,362	326	608	428	1,515	59	12	72	72	5
1980-81	126	14	1,385	377	697	311	1,299	60	16	72	72	5
1981-82	126	15	1,401	383	715	303	1,309	60	17	72	72	5
1982-83	127	15	1,432	402	742	288	1,295	60	17	72	72	6
1983-84	127	15	1,466	421	764	281	1,297	60	17	72	72	6
1984-85	127	15	1,477	427	777	273	1,254	60	17	72	72	6
1985-86	127	15	1,473	441	776	256	1,165	60	17	72	72	7
1986-87	127	15	1,469	455	776	238	1,087	59	17	73	73	7
1987-88	127	15	1,465	467	789	209	1,068	58	17	74	74	7
1988-89	127	15	1,442	479	792	171	1,095	58	17	74	74	7
1989-90	127	15	1,457	488	812	157	1,171	58	17	74	74	7
1990-91	126	15	1,470	489	829	152	1,154	56	17	74	74	7
1991-92	126	15	1,484	501	838	145	1,125	55	17	74	74	7
1992-93	126	15	1,484	501	848	135	1,154	55	17	75	75	7
1993-94	126	16	1,493	507	857	129	1,159	54	17	75	75	7
1994-95	125	16	1,501	509	868	124	1,185	54	17	75	75	7
1995-96	125	16	1,516	521	876	119	1,210	54	17	75	75	7
1996-97	125	17	1,508	523	876	109	--	54	17	79	79	7

-- Data not available.

1/ Data for total registered nursing graduates are for 1951.

2/ Some nursing schools offer more than one type of program. Numbers shown for nursing are number of nursing programs.

3/ Podiatry first-year and total enrollment and graduate data do not include the New York College of Podiatry beginning in academic year 1993-94.

SOURCES: Association of American Medical Colleges. AAMC Data Book, Statistical Information Related to Medical Education. Washington, DC, 1998; Bureau of Health Professions. Health Personnel in the United States Eighth Report to Congress, 1991. Health Resources and Services Administration. DHHS Pub No. HRS-P-00-92-1, Rockville, MD, 1992 and unpublished data; National League for Nursing. Nursing Data Source 1997 and unpublished data; American Nurses Association. Facts About Nursing, 1951 and 1961; American Dental Association. 1996/97 Survey of Predoctoral Dental Educational Institutions, Chicago, 1997; American Association of Colleges of Osteopathic Medicine. 1997 Annual Statistical Report. Rockville, MD, 1997; Association of Schools of Optometry. Unpublished data; American Association of Colleges of Pharmacy. Institutional Research Report Series, Profile of Pharmacy Students Fall 1996. Alexandria, VA, 1997.

TABLE 110. FULL-TIME EQUIVALENT EMPLOYMENT FOR U.S. REGISTERED HOSPITALS, BY DETAILED OCCUPATION, 1983-1993

OCCUPATION	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
Number of Hospitals	6,888	6,872	6,872	6,841	6,821	6,780	6,720	6,649	6,634	6,539	6,467
Total Hospital Personnel	3,736,744	3,658,519	3,647,725	3,668,954	3,763,694	3,860,591	3,956,155	4,079,601	4,175,909	4,245,013	4,293,904
Administrators and Assistant Administrators	36,703	38,271	38,437	41,471	42,440	46,332	46,290	46,293	48,349	62,235	69,393
Physicians	48,239	49,751	50,788	52,596	54,944	55,902	56,853	60,410	60,150	61,511	68,356
Physicians Assistants	3,807	4,475	3,850	4,099	4,558	4,640	3,193	5,315	5,885	6,127	6,475
Dentists	3,274	3,361	3,264	3,494	3,580	3,395	3,193	3,380	3,177	3,100	3,178
Registered Nurses	770,846	773,042	789,413	817,047	841,344	854,531	875,698	895,296	924,943	943,344	958,966
Licensed Practical Nurses	259,106	233,327	217,409	205,012	201,260	202,770	201,998	197,861	193,518	182,860	175,185
Ancillary Nursing Personnel	401,287	367,468	342,908	332,279	335,093	348,727	353,050	364,311	371,156	357,635	355,521
Medical Records Administrators	7,380	7,482	7,578	8,084	8,425	8,255	8,410	8,813	8,652	8,416	8,834
Medical Records Technicians	37,476	39,025	39,949	42,620	43,005	45,697	46,641	49,659	49,828	51,564	52,202
Pharmacists-Licensed	32,863	33,283	34,021	34,807	36,306	36,820	37,842	39,405	40,484	41,340	42,598
Pharmacy Technicians	27,880	27,883	28,567	29,762	31,336	32,658	34,038	36,246	36,812	37,946	38,508
Medical Technologists	90,102	89,247	88,916	87,923	89,394	90,564	91,010	92,715	93,188	93,095	95,336
Other Laboratory Personnel	73,053	70,488	69,182	70,642	69,064	70,564	73,457	78,015	80,394	82,672	83,311
Ophthalmologists	14,193	13,788	13,732	13,698	13,910	13,943	13,920	14,236	14,525	14,031	14,654
Dietetic Technicians	27,765	26,939	25,944	26,570	27,584	27,734	27,585	27,874	27,271	25,587	26,932
Radiographer (Radiologic Technologists)	57,123	55,742	56,660	58,156	60,122	61,365	62,528	65,759	68,017	68,898	71,463
Radiation Therapy Technologists	3,916	3,885	3,868	4,719	4,745	5,026	5,001	5,413	5,543	5,757	6,105
Nuclear Medicine Technologists	7,482	7,559	7,494	7,792	7,724	7,772	7,960	8,394	8,763	9,093	9,472
Other Radiologic Personnel	30,029	29,798	29,798	30,445	31,683	33,367	35,286	38,230	38,354	39,868	39,981
Occupational Therapists	8,823	9,302	9,666	10,824	11,543	12,164	12,197	12,703	13,406	13,494	13,536
Occupational Therapy Assistants and Aides	3,728	3,802	3,879	3,815	4,256	4,114	4,441	4,477	4,615	4,409	4,493
Physical Therapists	17,811	18,013	18,754	19,700	20,465	21,125	21,492	22,556	24,053	24,480	25,483
Physical Therapy Assistants and Aides	15,204	14,624	14,732	14,881	15,649	16,015	16,228	17,301	18,211	18,299	18,845
Speech Pathologists/Audiologists	4,137	4,374	4,677	5,238	5,661	5,937	6,194	6,467	7,040	7,514	7,578
Recreational Therapists	7,063	7,424	7,658	7,648	7,997	8,445	8,384	8,961	8,752	8,840	8,896
Respiratory Therapists	27,067	27,737	29,129	31,960	34,179	35,303	37,184	39,907	42,107	43,948	46,041
Respiratory Therapy Technicians	26,688	25,669	24,315	23,248	22,545	22,744	22,923	23,578	23,441	23,441	22,464
Psychologists 1/	N/A	6,426	7,374	8,017	8,506	8,604	8,822	8,895	8,829	8,588	8,685
Medical Social Workers	26,139	26,791	27,444	28,243	31,187	33,017	34,223	36,043	37,518	37,513	39,628
All Other Health Professions and Technical Personnel 1/	256,037	250,584	258,476	281,070	297,182	300,842	314,476	324,066	337,245	334,830	349,115
All Other Non-Health Professions and											
Non-Technical Personnel	1,340,177	1,315,886	1,319,144	1,288,154	1,325,237	1,366,565	1,407,706	1,459,743	1,492,372	1,543,240	1,536,684
Medical Residents and Interns	69,829	71,613	69,347	73,501	71,343	74,072	74,556	75,995	77,575	80,233	83,285
Dental Residents and Interns	1,510	1,469	1,388	1,497	1,379	1,436	1,509	1,490	1,536	1,514	1,438
Nursing Home Personnel 2/	50,776	51,610	53,669	59,626	57,513	60,346	62,348	67,438	73,855	77,954	86,024
Other Trainees 2/	8,876	7,522	6,346	6,582	6,238	5,568	5,800	6,268	5,956	5,838	5,863

N/A - Not Available Full-time equivalent = Full-time plus 1/2 part-time

1/ For comparison with data prior to 1984 "All Other Health Professions and Technical Personnel" should be summed with "psychologists"

2/ These figures are excluded from "Total Hospital Personnel" figures

SOURCE: Compiled by the Office of Research and Planning, Bureau of Health Professions from the American Hospital Association's 1993 Annual Survey of Hospitals. Also prior annual surveys.

TABLE 111. PERCENT CHANGE IN FULL-TIME EQUIVALENT EMPLOYMENT FOR U.S. REGISTERED HOSPITALS, BY DETAILED OCCUPATION, 1983-1993

OCCUPATION	1983-84	1984-85	1985-86	1986-87	1987-88	1988-89	1989-90	1990-91	1991-92	1992-93	1983-93
Number of Hospitals	-0.2	0.0	-0.5	-0.3	-0.6	-0.9	-1.1	-0.2	-1.4	-1.1	-6.1
Total Hospital Personnel	-2.1	-0.3	0.6	2.6	2.6	2.5	3.1	2.4	1.7	1.2	14.9
Administrators and Assistant Administrators	4.3	0.4	7.9	2.3	9.2	-0.1	0.0	4.4	28.7	11.5	89.1
Physicians	3.1	2.1	3.6	4.5	1.7	1.7	6.3	-0.4	2.3	11.1	41.7
Physicians Assistants	17.5	-14.0	6.5	11.2	1.8	9.2	4.9	10.7	4.1	5.7	70.1
Dentists	2.7	-2.9	7.0	2.5	-5.2	-5.9	5.9	-6.0	-2.4	2.5	-2.9
Registered Nurses	0.3	2.1	3.5	3.0	1.6	2.5	2.2	3.3	2.0	1.7	24.4
Licensed Practical Nurses	-9.9	-6.8	-5.7	-1.8	0.8	-0.4	-2.0	-2.2	-5.5	-4.2	-32.4
Ancillary Nursing Personnel	-8.4	-6.7	-3.1	0.8	4.1	1.2	3.2	1.9	-3.6	-0.6	-11.4
Medical Records Administrator	1.4	1.3	6.7	4.2	-2.0	1.9	4.8	-1.8	-2.7	5.0	19.7
Medical Records Technicians	4.1	2.4	6.7	0.9	6.3	2.1	6.5	0.3	3.5	1.2	39.3
Pharmacists-Licensed	1.3	2.2	2.3	4.3	1.4	2.8	4.1	2.7	2.1	3.0	29.6
Pharmacy Technicians	0.0	2.5	4.2	5.3	4.2	4.2	6.5	1.6	3.1	1.5	38.1
Medical Technologists	-0.9	-0.4	-1.1	1.7	1.3	0.5	1.9	0.5	-0.1	2.4	5.8
Other Laboratory Personnel	-3.5	-1.9	2.1	-2.2	2.2	4.1	6.2	3.0	2.8	0.8	14.0
Dietitians	-2.9	-0.4	-0.2	1.5	0.2	-0.2	2.3	2.0	-3.4	4.4	3.2
Dietetic Technicians	-3.0	-3.7	2.4	3.8	0.5	-0.5	1.0	-2.2	-6.2	5.3	-3.0
Radiographer (Radiologic Technologists)	-2.4	1.6	2.6	3.4	2.1	1.9	5.2	3.4	1.3	3.7	25.1
Radiation Therapy Technologists	-0.8	-0.4	22.0	0.6	5.9	-0.5	8.2	2.4	3.9	6.0	55.9
Nuclear Medicine Technologists	1.0	-0.9	4.0	-0.9	0.6	2.4	5.5	4.4	3.8	4.2	26.6
Other Radiologic Personnel	-0.8	-0.1	2.3	4.1	5.3	5.8	8.3	0.3	3.9	0.3	33.1
Occupational Therapists	5.4	3.9	12.0	6.6	5.4	0.3	4.1	5.5	0.7	0.3	53.4
Occupational Therapy Assistants and Aides	2.0	2.0	-1.6	11.6	-3.3	7.9	0.8	3.1	-4.5	1.9	20.5
Physical Therapists	1.1	4.1	5.0	3.9	3.2	1.7	5.0	6.6	1.8	4.1	43.1
Physical Therapy Assistants and Aides	-3.8	0.7	1.0	5.2	2.3	1.3	6.6	5.3	0.5	3.0	23.9
Speech Pathologists/Audiologists	5.7	6.9	12.0	8.1	4.9	4.3	4.4	8.9	3.9	3.6	83.2
Recreational Therapists	5.1	3.2	-0.1	4.6	5.6	-0.7	6.9	-2.3	1.0	0.6	26.0
Respiratory Therapists	2.5	5.0	9.7	6.9	3.9	4.7	7.3	5.5	4.4	4.8	70.1
Respiratory Therapy Technicians	-3.8	-5.3	-4.4	-3.0	0.9	0.8	2.0	2.0	-1.7	-4.2	-15.8
Psychologists 1/	N/A	14.8	8.7	6.1	1.2	2.5	0.8	-0.7	-2.7	1.1	N/A
Medical Social Workers	2.5	2.4	2.9	10.4	5.9	3.7	5.3	4.1	-0.0	5.6	51.6
All Other Health Professionals and Technical Personnel 1/	-2.1	3.1	8.7	5.7	1.2	4.5	3.0	4.1	-0.7	4.3	36.4
All Other Non-Health Professions and Non-Technical Personnel	-1.8	0.2	-2.3	2.9	3.1	3.0	3.7	2.2	3.4	-0.4	14.7
Medical Residents and Interns	2.6	-3.2	6.0	-2.9	3.8	0.7	1.9	2.1	3.4	3.8	19.3
Dental Residents and Interns	-2.7	-5.5	7.9	-4.1	-4.0	9.4	-1.3	-10.3	-1.6	9.4	-4.8
Nursing Home Personnel 2/	1.6	4.0	11.1	-3.5	4.9	3.3	8.2	9.5	5.6	10.4	69.4
Other Trainees 2/	-15.3	-15.6	3.7	-5.2	-10.7	4.2	8.1	-5.0	-2.0	0.4	-33.9

N/A - Not Available Full-time equivalent = Full-time plus 1/2 part-time  
 1/ For comparison with data prior to 1984 "All Other Health Professions and Technical Personnel" should be summed with "Psychologists"  
 2/ These figures are excluded from "Total Hospital Personnel" figures

SOURCE: Compiled by the Office of Research and Planning, Bureau of Health Professions from the American Hospital Association's 1993 Annual Survey of Hospitals. Also prior annual surveys.



TABLE 112. FULL-TIME EQUIVALENT EMPLOYMENT FOR U.S. REGISTERED COMMUNITY HOSPITALS, BY DETAILED OCCUPATION, 1983-1993

OCCUPATION	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
Number of Hospitals	5,783	5,759	5,752	5,678	5,611	5,533	5,455	5,384	5,342	5,292	5,261
Total Hospital Personnel	3,130,131	3,050,767	3,024,929	3,055,071	3,143,077	3,231,745	3,328,509	3,439,820	3,554,962	3,635,530	3,688,323
Administrators and Assistant Administrators	28,805	30,336	30,174	32,990	32,978	35,715	37,269	37,015	39,505	52,575	57,811
Physicians	25,520	27,056	27,170	29,263	31,974	32,732	33,850	36,451	37,091	38,079	44,119
Physicians Assistants	2,222	2,222	2,223	2,548	2,988	2,994	3,513	3,543	3,940	4,320	4,676
Dentists	432	429	452	594	713	636	499	820	494	467	540
Registered Nurses	698,151	697,840	709,253	736,253	758,976	770,613	791,521	809,920	840,493	858,916	874,115
Licensed Practical Nurses	229,735	204,559	186,780	174,154	170,433	170,637	172,143	167,945	165,871	157,208	148,885
Ancillary Nursing Personnel	294,180	259,220	235,853	226,821	234,162	244,297	252,500	268,113	278,125	274,015	274,195
Medical Records Administrator	6,399	6,518	6,532	6,984	7,319	7,112	7,198	7,490	7,450	7,300	7,580
Medical Records Technicians	32,716	34,008	34,667	37,073	37,745	39,822	40,636	43,233	43,930	45,733	45,952
Pharmacists-Licensed	28,181	28,442	28,985	29,582	30,876	31,322	32,308	33,496	34,659	35,473	36,452
Pharmacy Technicians	23,896	23,654	23,988	25,097	26,421	27,437	28,676	30,508	31,076	32,112	32,243
Medical Technologists	83,935	83,253	82,606	81,500	83,151	84,219	84,612	86,163	86,844	86,520	88,290
Other Laboratory Personnel	66,014	63,424	62,225	64,122	63,032	64,416	67,511	71,717	74,243	76,803	76,886
Dietitians	11,798	11,329	11,447	11,069	11,283	11,288	11,260	11,540	11,954	11,499	12,117
Dietetic Technicians	24,825	23,488	22,158	23,172	23,256	23,838	23,157	24,013	23,340	21,733	22,726
Radiographer (Radiologic Technologists)	53,635	52,275	52,949	54,502	56,574	57,636	58,600	61,748	64,151	64,955	66,986
Radiation Therapy Technologists	3,726	3,707	3,629	4,462	4,508	4,738	4,802	5,169	5,207	5,480	5,832
Nuclear Medicine Technologists	6,951	7,031	6,941	7,224	7,195	7,290	7,450	7,842	8,164	8,520	8,856
Other Radiologic Personnel	28,197	27,751	27,834	28,495	29,667	31,434	33,644	36,539	36,933	38,446	38,550
Occupational Therapists	5,636	5,986	6,379	7,320	7,958	8,550	8,712	9,623	10,452	11,060	11,365
Occupational Therapy Assistants and Aides	1,531	1,584	1,646	1,678	1,946	2,080	2,276	2,591	2,751	2,842	2,989
Physical Therapists	15,387	15,682	16,260	17,237	18,049	18,639	18,933	20,131	21,783	22,518	23,686
Physical Therapy Assistants and Aides	13,372	12,803	12,804	12,979	13,643	14,041	14,174	15,324	16,221	16,438	16,992
Speech Pathologists/Audiologists	2,684	2,964	3,253	3,776	4,035	4,346	4,608	4,909	5,550	5,910	6,177
Recreational Therapists	1,911	1,989	2,005	2,212	2,427	2,503	2,616	2,930	3,087	3,392	3,551
Respiratory Therapists	26,608	27,296	28,572	30,882	32,857	34,171	35,660	38,336	40,382	42,077	44,109
Respiratory Therapy Technicians	24,882	23,815	22,484	21,869	21,246	21,519	21,695	22,067	22,587	22,260	21,042
Psychologists 1/	N/A	1,569	1,872	2,376	2,618	2,466	2,677	2,796	2,927	2,994	3,084
Medical Social Workers	14,489	14,927	15,192	16,042	17,747	18,685	19,698	21,389	23,077	23,515	25,488
All Other Health Professions and Technical Personnel 1/	193,275	192,752	202,287	223,284	240,666	242,586	253,362	261,809	275,796	275,396	286,344
All Other Non-Health Professions and Medical Residents and Interns	1,121,040	1,100,977	1,097,411	1,076,369	1,105,089	1,149,941	1,188,128	1,229,658	1,269,462	1,317,381	1,322,366
Dental Residents and Interns	59,022	61,030	58,403	62,271	60,634	63,168	64,101	64,031	66,554	68,823	72,519
Nursing Home Personnel 2/	966	859	755	935	919	881	929	968	871	779	889
Other Trainees 2/	32,050	33,006	34,734	37,058	35,806	40,984	43,436	48,812	51,900	57,658	65,862
	6,527	5,029	4,209	4,160	3,731	3,538	3,611	4,112	4,145	3,722	4,154

N/A - Not Available Full-time equivalent = Full-time plus 1/2 part-time  
 1/ For comparison with data prior to 1984 "All Other Health Professions and Technical Personnel" should be summed with "Psychologists"  
 2/ These figures are excluded from "Total Hospital Personnel" figures

SOURCE: Compiled by the Office of Research and Planning, Bureau of Health Professions from the American Hospital Association's 1993 Annual Survey of Hospitals. Also prior annual surveys.

TABLE 113. PERCENT CHANGE IN FULL-TIME EQUIVALENT EMPLOYMENT FOR U.S. REGISTERED COMMUNITY HOSPITALS, BY DETAILED OCCUPATION, 1983-1993

OCCUPATION	1983-84	1984-85	1985-86	1986-87	1987-88	1988-89	1989-90	1990-91	1991-92	1992-93	1983-93
Number of Hospitals	-0.4	-0.5	-0.9	-1.2	-1.4	-1.4	-1.3	-0.8	-0.9	-0.6	-9.0
Total Hospital Personnel	-2.5	-0.8	1.0	2.9	2.8	3.0	3.3	3.3	2.3	1.5	17.8
Administrators and Assistant Administrators	5.3	-0.5	9.3	-0.0	8.3	4.4	-0.7	6.7	33.1	10.0	100.7
Physicians	6.0	0.4	7.7	9.3	2.4	3.4	7.7	1.8	2.7	15.9	72.9
Physicians Assistants	0.0	2.2	12.1	17.3	0.2	10.7	6.9	11.2	9.6	8.2	110.4
Dentists	-0.7	5.4	31.4	20.0	-10.8	-21.5	64.3	-39.8	-5.5	15.6	25.0
Registered Nurses	-0.0	1.6	3.8	3.1	1.5	2.7	2.3	3.8	2.2	1.8	25.2
Licensed Practical Nurses	-11.0	-8.7	-3.8	-2.1	0.1	0.9	-2.4	-1.2	-5.2	-5.3	-35.2
Ancillary Nursing Personnel	-11.9	-9.0	-3.8	3.2	4.3	3.4	6.2	3.7	-1.5	0.1	-6.8
Medical Records Administrator	1.9	0.2	6.9	4.8	-2.8	1.2	4.1	-0.5	-2.0	3.8	18.5
Medical Records Technicians	3.9	1.9	6.9	1.8	5.5	2.0	6.4	1.6	4.1	0.5	40.5
Pharmacists-Licensed	0.9	1.9	2.1	4.4	1.4	3.1	3.7	3.5	2.3	2.8	29.3
Pharmacy Technicians	-1.0	1.4	4.6	5.3	3.8	4.5	6.4	1.9	3.3	0.4	34.9
Medical Technologists	-0.8	-0.8	-1.3	2.0	1.3	0.5	1.8	0.8	-0.4	2.0	5.2
Other Laboratory Personnel	-3.9	-1.9	3.0	-1.7	2.2	4.8	6.2	3.5	3.4	0.1	16.5
Dietitians	-4.0	1.0	-3.3	1.9	0.0	-0.2	2.5	3.6	-3.8	5.4	2.7
Dietetic Technicians	-5.4	-5.7	4.6	0.4	2.5	-2.9	3.7	-2.8	-6.9	4.6	-8.5
Radiographer (Radiologic Technologists)	-2.5	1.3	2.9	3.8	1.9	1.7	5.4	3.9	1.3	3.1	24.9
Radiation Therapy Technologists	-0.5	-2.1	23.0	1.0	5.1	1.4	7.6	0.7	5.2	6.4	56.5
Nuclear Medicine Technologists	1.2	-1.3	4.1	-0.4	1.3	2.2	5.3	4.1	4.4	3.9	27.4
Other Radiologic Personnel	-1.6	0.3	2.4	4.1	6.0	7.0	8.6	1.1	4.1	0.3	36.7
Occupational Therapists	6.2	6.6	14.8	8.7	7.4	1.9	10.5	8.6	5.8	2.8	101.7
Occupational Therapy Assistants and Aides	3.5	3.9	1.9	16.0	6.9	9.4	13.8	6.2	3.3	5.2	95.2
Physical Therapists	1.9	3.7	6.0	4.7	3.3	1.6	6.3	8.2	3.4	5.2	53.9
Physical Therapy Assistants and Aides	-4.3	0.0	1.4	5.1	2.9	0.9	8.1	5.9	1.3	3.4	27.1
Speech Pathologists/Audiologists	10.4	9.8	16.1	6.9	7.7	6.0	6.5	13.1	6.5	4.5	130.1
Recreational Therapists	4.1	0.8	10.3	9.7	3.1	4.5	12.0	5.4	9.9	4.7	85.8
Respiratory Therapists	2.6	4.7	8.1	6.4	4.0	4.4	7.5	5.3	4.2	4.8	65.8
Respiratory Therapy Technicians	-4.3	-5.6	-2.7	-2.8	1.3	0.8	1.7	2.4	-1.4	-5.5	-15.4
Psychologists 1/	N/A	19.3	26.9	10.2	-5.8	8.6	4.4	4.7	2.3	3.0	N/A
Medical Social Workers	3.0	1.8	5.6	10.6	5.3	5.4	8.6	7.9	1.9	8.4	75.9
All Other Health Professions and Technical Personnel 1/	-0.3	4.9	10.4	7.8	0.8	4.4	3.3	5.3	-0.1	4.0	48.2
All Other Non-Health Professions and Non-Technical Personnel	-1.8	-0.3	-1.9	2.7	4.1	3.3	3.5	3.2	3.8	0.4	18.0
Medical Residents and Interns	3.4	-4.3	6.6	-2.6	4.2	1.5	-0.1	3.9	3.4	5.4	22.9
Dental Residents and Interns	-11.1	-12.1	23.8	-1.7	-4.1	5.4	4.2	-10.0	-10.6	14.1	-8.0
Nursing Home Personnel 2/	3.0	5.2	6.7	-3.4	14.5	6.0	12.4	6.3	11.1	14.2	105.5
Other Trainees 2/	-23.0	-16.3	-1.2	-10.3	-5.2	2.1	13.9	0.8	-10.2	11.6	-36.4

N/A - Not Available Full-time equivalent = Full-time plus 1/2 part-time

1/ For comparison with data prior to 1984 "All Other Health Professions and Technical Personnel" should be summed with "psychologists"

2/ These figures are excluded from "Total Hospital Personnel" figures

SOURCE: Compiled by the Office of Research and Planning, Bureau of Health Professions from the American Hospital Association's 1993 Annual Survey of Hospitals. Also prior annual surveys.



TABLE 201. TOTAL AND ACTIVE PHYSICIANS (MDs) AND PHYSICIAN-TO-POPULATION RATIOS, SELECTED YEARS 1950-1997

YEAR	NUMBER OF PHYSICIANS 1/		TOTAL POP (THOUSANDS) 3/	PHYSICIANS PER 100,000 POPULATION		ACTIVE NON-FEDERAL PHYSICIANS 2/	CIVILIAN POP (THOUSANDS) 3/	ACTIVE NON-FEDERAL PHYSICIANS PER 100,000 CIVILIAN POP
	TOTAL	ACTIVE 2/		TOTAL	ACTIVE			
1950	219,997	208,997	154,668	142.2	135.1	193,900	153,216	126.6
1955	241,711	228,553	168,373	143.6	135.7	213,000	165,474	128.7
1960	260,484	247,257	183,236	142.2	134.9	230,200	180,727	127.4
1965	292,088	277,575	197,147	148.2	140.8	254,761	194,412	131.0
1970	334,028	311,203	208,066	160.5	149.6	281,702	204,736	137.6
1975	393,742	366,425	219,272	179.6	167.1	338,234	214,671	157.6
1976	409,446	378,572	221,333	185.0	171.0	350,994	216,309	162.3
1977	421,278	381,969	223,653	188.4	170.8	362,043	218,143	166.0
1978	437,486	401,364	226,043	193.5	177.6	381,122	219,890	173.3
1979	454,564	417,266	228,569	198.9	182.6	398,735	226,482	176.1
1980	467,679	435,545	231,266	202.2	188.3	417,758	229,097	182.3
1981	485,123	444,899	233,459	207.8	190.6	425,117	231,481	183.7
1982	501,958	462,947	235,691	213.0	196.4	443,467	233,842	189.6
1983	519,546	479,440	238,139	218.2	201.3	460,036	236,114	194.8
1985	552,716	511,090	242,024	228.4	211.2	489,523	240,589	203.5
1986	569,160	519,411	244,205	233.1	212.7	497,473	242,940	204.8
1987	585,597	534,692	246,379	237.7	217.0	512,946	245,253	209.1
1988 4/	600,789	549,160	248,596	241.7	220.9	528,801	246,421	214.6
1989 4/	615,421	559,988	251,142	245.0	223.0	539,513	248,706	216.9

TABLE 201. TOTAL AND ACTIVE PHYSICIANS (MDS) AND PHYSICIAN-TO-POPULATION RATIOS, SELECTED YEARS 1950-1997 (CONTINUED)

YEAR	NUMBER OF PHYSICIANS 1/		TOTAL POP (THOUSANDS) 3/	PHYSICIANS PER 100,000 POPULATION		ACTIVE NON-FEDERAL PHYSICIANS 2/	CIVILIAN POP (THOUSANDS) 3/	ACTIVE NON-FEDERAL PHYSICIANS PER 100,000 CIVILIAN POP
	TOTAL	ACTIVE 2/		TOTAL	ACTIVE			
1990 4, 5/	631,850	572,660	253,250	249.5	226.1	553,150	251,350	220.1
1991 4/	653,062	594,697	256,570	254.5	231.8	575,481	254,448	226.2
1992 4/	670,336	605,685	259,250	258.6	233.6	584,011	257,286	227.0
1993 4/	684,414	619,751	261,940	261.3	236.6	597,297	260,154	229.6
1994 5, 6/	700,552	632,121	264,811	264.5	238.7	613,030	263,092	233.0
1995	720,325	646,022	267,205	269.6	241.8	624,943	265,578	235.3
1996	737,764	663,943	269,716	273.5	246.2	643,514	268,157	240.0
1997	756,710	684,605	272,115	278.1	251.6	665,249	270,598	245.8

1/ Includes physicians in Federal Service; also includes physicians in U.S. possessions.

2/ Active physicians are physicians who are involved in patient care or non-patient care (teaching, research, administration, or other professional activities) for more than twenty hours a week. Active physicians also include unclassified physicians, i.e., physicians whose activity status or present employment setting are not known.

3/ Includes civilian population in U.S. Possessions.

4/ MD counts for 1988 through 1993 were reported as of Jan 1 of the following year by the American Medical Association. Prior to 1988 and starting in 1994, the data are as of Dec 31. In order to maintain consistency, MD counts in this table are reported as of Dec 31.

5/ Data are unpublished.

6/ Total and active physicians exclude address unknown.

SOURCE: Data for 1950 through 1960 from U.S. Department of Health, Education and Welfare, National Center for Health Statistics. Health Resources Statistics 1965, PHS Pub. No. 1509, 1966. Data for 1965 through 1997 from American Medical Association. Physician Characteristics and Distribution in the U.S., 1999 Edition. Also prior annual issues (formerly titled Physician Distribution and Medical Licensure in the US). US Bureau of the Census. Current Population Report Series P-25, Nos. 336, 460, 603, 941, 943, 960, 965, 1023, 1036, 1049, 1110, and 1128. Statistical Abstract of the United States, 1998 edition. Also prior annual editions.

TABLE 202. NUMBER OF ACTIVE PHYSICIANS (Mds) AND PHYSICIAN-TO-POPULATION RATIOS BY SPECIALTY, SELECTED YEARS 1970-1996 1,2/

TYPE OF PRACTICE	1970		1975		1980		1985		1991		1995		1996	
	ACTIVE Mds	PER 100K POP	ACTIVE Mds	PER 100K POP	ACTIVE Mds	PER 100K POP	ACTIVE Mds	PER 100K POP	ACTIVE Mds	PER 100K POP	ACTIVE Mds	PER 100K POP	ACTIVE Mds	PER 100K POP
Estimated Active 3/	311,203	149.6	366,425	167.1	435,545	188.3	511,090	211.2	594,697	231.8	646,022	241.8	663,943	246.2
Primary Care	115,822	55.7	124,064	56.6	146,093	63.2	170,741	70.5	197,719	77.1	207,810	77.8	216,446	80.2
General and Family Practice	57,948	27.9	54,557	24.9	60,049	26.0	67,051	27.7	71,687	27.9	75,976	28.4	78,910	29.3
Internal Medicine	39,924	19.2	47,761	21.8	58,462	25.3	70,691	29.2	85,839	33.5	88,240	33.0	92,321	34.2
Pediatrics	17,950	8.6	21,746	9.9	27,582	11.9	32,999	13.6	40,193	15.7	43,594	16.3	45,215	16.8
Medical Specialties	19,340	9.3	25,580	11.7	39,711	17.2	55,877	23.1	71,021	27.7	83,866	31.4	88,027	32.6
Allergy & Immunology 4/	1,719	0.8	1,716	0.8	1,518	0.7	3,060	1.3	3,441	1.3	3,775	1.4	3,793	1.4
Cardiovascular Disease	6,476	3.1	6,933	3.2	9,823	4.2	13,224	5.5	16,478	6.4	18,998	7.1	19,237	7.1
Dermatology	4,003	1.9	4,661	2.1	5,660	2.4	6,582	2.7	7,912	3.1	8,563	3.1	8,854	3.3
Family Practice Subspecialties	--	--	--	--	--	--	--	--	1	0.0	236	0.1	286	0.1
Gastroenterology	2,010	1.0	2,381	1.1	4,046	1.7	5,917	2.4	7,946	3.1	9,551	3.6	9,718	3.6
Internal Medicine Subspecialties	1,948	0.9	6,570	3.0	13,069	5.7	18,171	7.5	23,178	9.0	26,928	10.1	29,804	11.1
Pediatric Allergy	382	0.2	446	0.2	461	0.2	409	0.2	336	0.1	274	0.1	264	0.1
Pediatric Cardiology	487	0.2	538	0.2	659	0.3	813	0.3	1,040	0.4	1,336	0.5	1,357	0.5
Other Pediatric Subspecialties	--	--	--	--	760	0.3	2,618	1.1	4,352	1.7	6,752	2.5	7,890	2.9
Pulmonary Diseases	2,315	1.1	2,335	1.1	3,715	1.6	5,083	2.1	6,337	2.5	7,453	2.8	6,824	2.5
Surgical Specialties	86,042	41.4	96,015	43.8	110,778	47.9	128,156	53.0	141,560	55.2	147,375	55.2	149,857	55.6
Colon/Rectal Surgery	667	0.3	661	0.3	719	0.3	817	0.3	869	0.3	990	0.4	1,018	0.4
General Surgery	29,761	14.3	31,562	14.4	34,034	14.7	38,169	15.8	39,211	15.3	37,569	14.1	37,943	14.1
Neurological Surgery	2,578	1.2	2,926	1.3	3,341	1.4	4,019	1.7	4,501	1.8	4,888	1.8	4,924	1.8
Obstetrics and Gynecology	18,876	9.1	21,731	9.9	26,305	11.4	30,867	12.8	35,273	13.7	37,652	14.1	38,424	14.2
Ophthalmology	9,927	4.8	11,129	5.1	12,974	5.6	14,881	6.1	16,433	6.4	17,464	6.5	17,777	6.6
Orthopedic Surgery	9,620	4.6	11,379	5.2	13,996	6.1	17,166	7.1	20,640	8.0	22,037	8.2	22,521	8.3
Otolaryngology	5,409	2.6	5,745	2.6	6,553	2.8	7,267	3.0	8,373	3.3	9,086	3.4	9,028	3.3
Plastic Surgery	1,600	0.8	2,236	1.0	2,980	1.3	3,951	1.6	4,688	1.8	5,493	2.1	5,898	2.2
Thoracic Surgery	1,809	0.9	1,979	0.9	2,133	0.9	2,183	0.9	2,120	0.8	2,310	0.9	2,303	0.9
Urology	5,795	2.8	6,667	3.0	7,743	3.3	8,836	3.7	9,452	3.7	9,886	3.7	10,021	3.7



TABLE 202. NUMBER OF ACTIVE PHYSICIANS (MDs) AND PHYSICIAN-TO-POPULATION RATIOS BY SPECIALTY, SELECTED YEARS 1970-1996 1,2/ (Continued)

TYPE OF PRACTICE	1970		1975		1980		1985		1991		1995		1996	
	ACTIVE MDs	PER 100K POP	ACTIVE MDs	PER 100K POP	ACTIVE MDs	PER 100K POP	ACTIVE MDs	PER 100K POP	ACTIVE MDs	PER 100K POP	ACTIVE MDs	PER 100K POP	ACTIVE MDs	PER 100K POP
Other Specialties	89,999	43.3	94,621	43.2	118,334	51.2	142,366	58.8	167,808	65.4	186,392	69.8	189,625	70.3
Aerospace Medicine	1,188	0.6	684	0.3	587	0.3	674	0.3	691	0.3	575	0.2	588	0.2
Anesthesiology	10,860	5.2	12,861	5.9	15,958	6.9	22,021	9.1	28,148	11.0	32,853	12.3	33,318	12.4
Child Psychiatry	2,090	1.0	2,581	1.2	3,271	1.4	3,783	1.6	4,618	1.8	5,542	2.1	5,635	2.1
Diagnostic Radiology	1,968	0.9	3,544	1.6	7,048	3.0	12,887	5.3	17,253	6.7	19,808	7.4	20,043	7.4
Emergency Medicine	0	0.0	0	0.0	5,699	2.5	11,283	4.7	15,470	6.0	19,112	7.2	20,030	7.4
General Preventive Medicine	804	0.4	789	0.4	810	0.4	933	0.4	1,176	0.5	1,269	0.5	1,507	0.6
Medical Genetics	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	179	0.1	218	0.1
Neurology	3,074	1.5	4,131	1.9	5,685	2.5	7,776	3.2	9,742	3.8	11,397	4.3	11,585	4.3
Nuclear Medicine	0	0.0	0	0.0	0	0.0	1,352	0.6	1,372	0.5	1,435	0.5	1,426	0.5
Occupational Medicine	2,713	1.3	2,355	1.1	2,358	1.0	2,640	1.1	2,787	1.1	3,031	1.1	3,062	1.1
Pathology and Forensic Pathology	10,483	5.0	11,910	5.4	13,642	5.9	15,767	6.5	17,428	6.8	18,320	6.9	18,457	6.8
Physical Medicine and Rehabilitation	1,479	0.7	1,664	0.8	2,146	0.9	3,258	1.3	4,469	1.7	5,565	2.1	5,763	2.1
Psychiatry	21,146	10.2	23,922	10.9	27,481	11.9	32,255	13.3	36,405	14.2	38,098	14.3	38,417	14.2
Public Health	3,029	1.5	2,665	1.2	2,316	1.0	2,060	0.9	1,984	0.8	1,760	0.7	1,689	0.6
Radiology	10,524	5.1	11,527	5.3	11,653	5.0	8,757	3.6	7,848	3.1	8,038	3.0	8,181	3.0
Radiation Oncology	868	0.4	1,169	0.5	1,581	0.7	2,272	0.9	3,013	1.2	3,630	1.4	3,684	1.4
Other and Unspecified	19,773	9.5	14,819	6.8	18,099	7.8	14,648	6.1	15,404	6.0	15,780	5.9	16,022	5.9
Not Classified	0	0.0	26,145	11.9	20,629	8.9	13,950	5.8	16,589	6.5	20,579	7.7	19,988	7.4

1/ Includes physicians in Federal Service; also includes physicians in U.S. possessions. Ratios are based on total population plus civilian population in the U.S. possessions.

2/ MD counts for 1991 are reported as of January 1, 1992 by the American Medical Association. All other data are as of December 31.

3/ In order to maintain consistency, all MD counts in this table are reported as of December 31.

4/ Excludes inactive and address unknown categories. Beginning in 1985, allergy and immunology includes allergy and immunology, diagnostic laboratory immunology, and immunology which were previously included in the internal medicine specialty count. Also includes allergy listed separately for 1980 and prior years.

SOURCE: American Medical Association. Physician Characteristics and Distribution in the US 1997/98, Chicago, 1997. Also prior annual issues (formerly titled Physician Distribution and Medical Licensure in the U.S.) U.S. Bureau of the Census. Current Population Reports. Series P-25 Nos. 941, 943, 1023, 1036, 1049, 1075, and 1093, Statistical Abstract of the United States: 1997 (117th edition) Washington, DC, 1997.

TABLE 203. NUMBER, PERCENT AND PHYSICIAN-TO-POPULATION RATIOS OF PROFESSIONALLY ACTIVE MDs AND PATIENT CARE MDs BY PRIMARY CARE SPECIALTY, SELECTED YEARS 1981-1996

YEAR	TOTAL ACTIVE 1/			PRIMARY CARE			GEN/FAM PRACTICE			GEN INTERNAL MEDICINE			GEN PEDIATRICS			ALL OTHER		
	NUMBER	PER- CENT	MDs PER 100,000 POP.	NUMBER	PER- CENT	MDs PER 100,000 POP.	NUMBER	PER- CENT	MDs PER 100,000 POP.	NUMBER	PER- CENT	MDs PER 100,000 POP.	NUMBER	PER- CENT	MDs PER 100,000 POP.	NUMBER	PER- CENT	MDs PER 100,000 POP.
1981	444,899	100.0	191	153,626	34.5	66	62,585	14.1	27	62,093	14.0	27	28,948	6.5	12	291,273	65.5	125
1982	462,947	100.0	196	160,889	34.8	68	64,220	13.9	27	66,086	14.3	28	30,583	6.6	13	302,058	65.2	128
1983	479,440	100.0	201	163,366	34.1	69	65,892	13.7	28	65,990	13.8	28	31,484	6.6	13	316,074	65.9	133
1985	511,090	100.0	211	175,532	34.3	73	68,932	13.5	28	72,675	14.2	30	33,925	6.6	14	335,558	65.7	139
1986	519,411	100.0	213	175,667	33.8	72	69,515	13.4	28	71,887	13.8	29	34,265	6.6	14	343,744	66.2	141
1987	534,992	100.0	217	180,559	33.8	73	71,116	13.3	29	73,885	13.8	30	35,558	6.7	14	354,133	66.2	144
1988 2/	549,160	100.0	221	184,350	33.6	74	72,008	13.1	29	75,825	13.8	31	36,517	6.6	15	364,810	66.4	147
1989 2/	559,988	100.0	223	187,540	33.5	75	72,113	12.9	29	78,062	13.9	31	37,365	6.7	15	372,448	66.5	148
1991 2/	594,697	100.0	232	203,394	34.2	79	73,745	12.4	29	88,302	14.8	34	41,347	7.0	16	391,303	65.8	153
1992 2/	605,685	100.0	234	203,536	33.6	79	75,456	12.1	28	88,239	14.6	34	41,841	6.9	16	402,149	66.4	155
1993 2/	619,751	100.0	237	204,738	33.0	78	74,889	12.1	29	86,955	14.0	33	42,894	6.9	16	415,013	67.0	158
1994	632,121	100.0	239	209,054	33.1	79	76,486	12.1	29	88,606	14.0	33	43,962	7.0	17	423,067	66.9	160
1995	646,022	100.0	242	214,891	33.3	80	78,720	12.2	29	91,143	14.1	34	45,028	7.0	17	431,131	66.7	161
1996	663,943	100.0	246	223,164	33.6	83	81,359	12.3	30	95,187	14.3	35	46,618	7.0	17	440,779	66.4	163



TABLE 203. NUMBER, PERCENT AND PHYSICIAN-TO-POPULATION RATIOS OF PROFESSIONALLY ACTIVE MDs AND PATIENT CARE MDs BY PRIMARY CARE SPECIALTY, SELECTED YEARS 1981-1996 (CONTINUED)

YEAR	ACTIVE PATIENT CARE 1,3/			PRIMARY CARE			GEN/FAM PRACTICE			GEN INTERNAL MEDICINE			GEN PEDIATRICS			ALL OTHER		
	NUMBER	PER- CENT	MDs PER 100,000 POP.	NUMBER	PER- CENT	MDs PER 100,000 POP.	NUMBER	PER- CENT	MDs PER 100,000 POP.	NUMBER	PER- CENT	MDs PER 100,000 POP.	NUMBER	PER- CENT	MDs PER 100,000 POP.	NUMBER	PER- CENT	MDs PER 100,000 POP.
1981	336,733	100.0	144	118,065	35.1	51	55,342	16.4	24	41,776	12.4	18	20,947	6.2	9	218,668	64.9	94
1982	349,925	100.0	148	121,284	34.7	51	56,481	16.1	24	42,857	12.2	18	21,946	6.3	9	228,641	65.3	97
1983	359,675	100.0	151	122,882	34.2	52	57,172	15.9	24	43,225	12.0	18	22,485	6.3	9	236,793	65.8	99
1985	383,887	100.0	159	132,890	34.6	55	59,753	15.6	25	48,507	12.6	20	24,630	6.4	10	250,997	65.4	104
1986	383,472	100.0	157	132,090	34.4	54	59,644	15.6	24	47,797	12.5	20	24,649	6.4	10	251,382	65.6	103
1987	397,876	100.0	161	137,405	34.5	56	61,359	15.4	25	50,526	12.7	21	25,520	6.4	10	260,471	65.5	106
1988 2/	411,668	100.0	166	140,972	34.2	57	62,468	15.2	25	51,779	12.6	21	26,725	6.5	11	270,696	65.8	109
1989 2/	421,529	100.0	168	144,738	34.4	58	63,669	15.1	25	52,996	12.6	21	28,073	6.7	11	276,591	65.6	110
1991 2/	454,297	100.0	177	156,046	34.3	61	65,023	14.3	25	60,233	13.3	23	30,790	6.8	12	298,251	65.7	116
1992 2/	468,155	100.0	181	158,165	33.8	61	64,469	13.8	25	61,452	13.1	24	32,244	6.9	12	309,990	66.2	120
1993 2/	478,286	100.0	183	158,586	33.2	61	64,938	13.6	25	60,873	12.7	23	32,775	6.9	13	319,700	66.8	122
1994	489,857	100.0	185	162,656	33.2	61	66,013	13.5	25	62,734	12.8	24	33,909	6.9	13	327,201	66.8	124
1995	501,763	100.0	188	166,966	33.3	62	67,156	13.4	25	64,904	12.9	24	34,906	7.0	13	334,797	66.7	125
1996	518,183	100.0	192	173,912	33.6	64	69,191	13.4	26	68,421	13.2	25	36,300	7.0	13	344,271	66.4	128

1/ Excludes inactive and unknown address; includes MDs not classified by activity status.

2/ Data for 1988 through 1993 were reported as of January 1 of the following year by the American Medical Association. All other data were reported as of December 31. In order to maintain consistency, MD data in this table are reported as of December 31.

3/ Excludes residents and fellows.

SOURCES: American Medical Association. Physician Characteristics and Distribution in the US 1997/98, Chicago, 1997. Also prior annual editions. U.S. Bureau of the Census, Current Population Reports Series P-25 Nos. 941, 943, 1023, 1036, 1049, 1110, and 1128. Statistical Abstract of the United States: 1997 (117th edition) Washington, DC, 1997.

TABLE 204. NUMBER AND PERCENT DISTRIBUTION OF FIRST-YEAR AND TOTAL RESIDENTS BY STATE AND MEDICAL SCHOOL ORIGIN 1996-97

STATE	First Year Residents				Total Residents				
	US IMG	NON-US IMG	TOTAL IMG	OTHER	US IMG	NON-US IMG	TOTAL IMG	OTHER	TOTAL
UNITED STATES	1,022	5,184	6,206	17,373	3,975	22,716	26,691	77,086	103,777
ALABAMA	4	23	27	237	18	98	116	980	1,096
ALASKA	0	0	0	0	0	0	0	0	0
ARIZONA	9	16	25	258	30	105	135	954	1,089
ARKANSAS	1	15	16	131	9	65	74	486	560
CALIFORNIA	66	165	231	1,971	223	931	1,154	7,928	9,082
COLORADO	0	5	5	1,740	6	56	62	1,016	1,078
CONNECTICUT	30	144	174	224	111	618	729	1,085	1,814
DELAWARE	1	4	5	253	5	9	14	172	186
DISTRICT OF COLUMBIA	15	97	112	330	65	450	515	1,659	2,174
FLORIDA	37	100	137	457	156	512	668	2,106	2,774
GEORGIA	21	68	89	389	74	247	321	1,732	2,053
HAWAII	1	5	6	118	3	26	29	398	427
IDAHO	0	1	1	15	0	2	2	44	46
ILLINOIS	43	444	487	879	249	1,838	2,087	3,743	5,830
INDIANA	8	29	37	267	26	134	160	1,095	1,255
IOWA	1	28	29	160	8	110	118	716	834
KANSAS	5	22	27	148	33	87	120	575	695
KENTUCKY	3	59	62	177	23	188	211	796	1,007
LOUISIANA	15	46	61	339	46	168	214	1,543	1,757
MAINE	0	1	1	54	4	14	18	208	226
MARYLAND	27	115	142	408	72	530	602	2,099	2,701
MASSACHUSETTS	37	157	194	888	133	905	1,038	3,984	5,022
MICHIGAN	60	317	377	678	212	1,275	1,487	2,838	4,325
MINNESOTA	10	66	76	332	41	415	456	1,778	2,234
MISSISSIPPI	1	9	10	98	6	54	60	402	462
MISSOURI	12	111	123	366	46	595	641	1,767	2,408
MONTANA	0	0	0	6	0	0	0	7	7
NEBRASKA	2	10	12	110	10	64	74	470	544
NEVADA	6	17	23	31	12	46	58	97	155
NEW HAMPSHIRE	1	5	6	54	3	25	28	257	285



TABLE 204. NUMBER AND PERCENT DISTRIBUTION OF FIRST-YEAR AND TOTAL RESIDENTS BY STATE AND MEDICAL SCHOOL ORIGIN 1996-97 (Continued)

STATE	First Year Residents				Total Residents				
	US IMG	NON-US IMG	TOTAL IMG	OTHER	US IMG	NON-US IMG	TOTAL IMG	OTHER	TOTAL
NEW JERSEY	87	327	414	300	293	1,209	1,502	1,219	2,721
NEW MEXICO	0	0	0	88	11	19	30	382	412
NEW YORK	257	1,594	1,851	1,666	948	6,400	7,348	7,819	15,167
NORTH CAROLINA	6	32	38	479	36	206	242	2,261	2,503
NORTH DAKOTA	1	13	14	30	3	33	36	87	123
OHIO	41	232	273	884	149	1,029	1,178	3,718	4,896
OKLAHOMA	6	10	16	148	21	80	101	585	686
OREGON	0	7	7	149	3	32	35	630	665
PENNSYLVANIA	63	386	449	1,088	262	1,659	1,921	5,103	7,024
RHODE ISLAND	8	33	41	119	40	162	202	521	723
SOUTH CAROLINA	2	6	8	226	21	64	85	867	952
SOUTH DAKOTA	1	10	11	24	7	22	29	72	101
TENNESSEE	19	57	76	373	56	305	361	1,602	1,963
TEXAS	26	217	243	1,178	170	1,096	1,266	5,182	6,448
UTAH	0	2	2	124	3	33	36	525	561
VERMONT	1	11	12	41	6	33	39	188	227
VIRGINIA	15	40	55	388	47	230	277	1,631	1,908
WASHINGTON	4	10	14	319	17	69	86	1,419	1,505
WEST VIRGINIA	9	31	40	102	28	153	181	1,437	1,618
WISCONSIN	9	63	72	271	40	261	301	1,275	1,576
WYOMING	0	0	0	14	0	0	0	43	43
PUERTO RICO	51	24	75	162	190	54	244	579	823
UNIDENTIFIED MILITARY	0	0	0	6	0	0	0	6	6



TABLE 204. NUMBER AND PERCENT DISTRIBUTION OF FIRST-YEAR AND TOTAL RESIDENTS BY STATE AND MEDICAL SCHOOL ORIGIN 1996-97 (Continued)

STATE	First Year Residents				Total Residents					
	US IMG	NON-US IMG	TOTAL IMG	OTHER	TOTAL	US IMG	NON-US IMG	TOTAL IMG	OTHER	TOTAL
UNITED STATES	4.3	22.0	26.3	73.7	100.0	3.8	21.9	25.7	74.3	100.0
ALABAMA	1.5	8.7	10.2	89.8	100.0	1.6	8.9	10.6	89.4	100.0
ALASKA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ARIZONA	3.2	5.7	8.8	91.2	100.0	2.8	9.6	12.4	87.6	100.0
ARKANSAS	0.7	10.2	10.9	89.1	100.0	1.6	11.6	13.2	86.8	100.0
CALIFORNIA	3.3	8.4	11.7	88.3	100.0	2.5	10.3	12.7	87.3	100.0
COLORADO	0.0	2.2	2.2	97.8	100.0	0.6	5.2	5.8	94.2	100.0
CONNECTICUT	7.0	33.7	40.7	59.3	100.0	6.1	34.1	40.2	59.8	100.0
DELAWARE	1.8	7.0	8.8	91.2	100.0	2.7	4.8	7.5	92.5	100.0
DISTRICT OF COLUMBIA	3.4	21.9	25.3	74.7	100.0	3.0	20.7	23.7	76.3	100.0
FLORIDA	6.2	16.8	23.1	76.9	100.0	5.6	18.5	24.1	75.9	100.0
GEORGIA	4.4	14.2	18.6	81.4	100.0	3.6	12.0	15.6	84.4	100.0
HAWAII	0.8	4.0	4.8	95.2	100.0	0.7	6.1	6.8	93.2	100.0
IDAHO	0.0	6.3	6.3	93.8	100.0	0.0	4.3	4.3	95.7	100.0
ILLINOIS	3.1	32.5	35.7	64.3	100.0	4.3	31.5	35.8	64.2	100.0
INDIANA	2.6	9.5	12.2	87.8	100.0	2.1	10.7	12.7	87.3	100.0
IOWA	0.5	14.8	15.3	84.7	100.0	1.0	13.2	14.1	85.9	100.0
KANSAS	2.9	12.6	15.4	84.6	100.0	4.7	12.5	17.3	82.7	100.0
KENTUCKY	1.3	24.7	25.9	74.1	100.0	2.3	18.7	21.0	79.0	100.0
LOUISIANA	3.8	11.5	15.3	84.8	100.0	2.6	9.6	12.2	87.8	100.0
LOUISIANA	3.8	11.5	15.3	84.8	100.0	2.6	9.6	12.2	87.8	100.0
MAINE	0.0	1.8	1.8	98.2	100.0	1.8	6.2	8.0	92.0	100.0
MARYLAND	4.9	20.9	25.8	74.2	100.0	2.7	19.6	22.3	77.7	100.0
MASSACHUSETTS	3.4	14.5	17.9	82.1	100.0	2.6	18.0	20.7	79.3	100.0
MICHIGAN	5.7	30.0	35.7	64.3	100.0	4.9	29.5	34.4	65.6	100.0
MINNESOTA	2.5	16.2	18.6	81.4	100.0	1.8	18.6	20.4	79.6	100.0
MISSISSIPPI	0.9	8.3	9.3	90.7	100.0	1.3	11.7	13.0	87.0	100.0
MISSOURI	2.5	22.7	25.2	74.8	100.0	1.9	24.7	26.6	73.4	100.0
MONTANA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NEBRASKA	1.6	8.2	9.8	90.2	100.0	1.8	11.8	13.6	86.4	100.0
NEVADA	11.1	31.5	42.6	57.4	100.0	7.7	29.7	37.4	62.6	100.0
NEW HAMPSHIRE	1.7	8.3	10.0	90.0	100.0	1.1	8.8	9.8	90.2	100.0

TABLE 204. NUMBER AND PERCENT DISTRIBUTION OF FIRST-YEAR AND TOTAL RESIDENTS BY STATE AND MEDICAL SCHOOL ORIGIN 1996-97 (Continued)

STATE	First Year Residents				Total Residents				
	US IMG	NON-US IMG	TOTAL IMG	OTHER	US IMG	NON-US IMG	TOTAL IMG	OTHER	TOTAL
NEW JERSEY	12.2	45.8	58.0	42.0	10.8	44.4	55.2	44.8	100.0
NEW MEXICO	0.0	0.0	0.0	100.0	2.7	4.6	7.3	92.7	100.0
NEW YORK	7.3	45.3	52.6	47.4	6.3	42.2	48.4	51.6	100.0
NORTH CAROLINA	1.2	6.2	7.4	92.6	1.4	8.2	9.7	90.3	100.0
NORTH DAKOTA	2.3	29.5	31.8	68.2	2.4	26.8	29.3	70.7	100.0
OHIO	3.5	20.1	23.6	76.4	3.0	21.0	24.1	75.9	100.0
OKLAHOMA	3.7	6.1	9.8	90.2	3.1	11.7	14.7	85.3	100.0
OREGON	0.0	4.5	4.5	95.5	0.5	4.8	5.3	94.7	100.0
PENNSYLVANIA	4.1	25.1	29.2	70.8	3.7	23.6	27.3	72.7	100.0
RHODE ISLAND	5.0	20.6	25.6	74.4	5.5	22.4	27.9	72.1	100.0
SOUTH CAROLINA	0.9	2.6	3.4	96.6	2.2	6.7	8.9	91.1	100.0
SOUTH DAKOTA	2.9	28.6	31.4	68.6	6.9	21.8	28.7	71.3	100.0
TENNESSEE	4.2	12.7	16.9	83.1	2.9	15.5	18.4	81.6	100.0
TEXAS	1.8	15.3	17.1	82.9	2.6	17.0	19.6	80.4	100.0
UTAH	0.3	1.6	1.6	98.4	0.5	5.9	6.4	93.6	100.0
VERMONT	1.9	20.8	22.6	77.4	2.6	14.5	17.2	82.8	100.0
VIRGINIA	3.4	9.0	12.4	87.6	2.5	12.1	14.5	85.5	100.0
WASHINGTON	1.2	3.0	4.2	95.8	1.1	4.6	5.7	94.3	100.0
WEST VIRGINIA	6.3	21.8	28.2	71.8	4.5	24.8	29.3	70.7	100.0
WISCONSIN	2.6	18.4	21.0	79.0	2.5	16.6	19.1	80.9	100.0
WYOMING	0.0	0.0	0.0	100.0	0.0	0.0	0.0	100.0	100.0
PUERTO RICO	21.5	10.1	31.6	68.4	23.1	6.6	29.6	70.4	100.0
UNIDENTIFIED MILITARY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	100.0

NOTE: International Medical Graduates (IMGs) are graduates of medical schools located outside the US, the US possessions or Canada.  
 SOURCE: Association of American Medical Colleges. AAMC GME Tracking Census, SAIMS Database

TABLE 205. APPLICANTS TO SCHOOLS OF ALLOPATHIC MEDICINE BY GENDER,  
ACADEMIC YEARS 1975-76 TO 1997-98

ACADEMIC YEAR	NUMBER OF APPLICANTS	MEN	WOMEN	PERCENT WOMEN
1975-76	42,303 1/	32,630	9,617	22.7
1976-77	42,155	31,911	10,244	24.3
1977-78	40,569	30,374	10,195	25.1
1978-79	36,636	27,075	9,561	26.1
1979-80	36,141	25,919	10,222	28.3
1980-81	36,100	25,436	10,664	29.5
1981-82	36,727	25,054	11,673	31.8
1982-83	35,730	24,045	11,685	32.7
1983-84	35,200	23,239	11,961	34.0
1984-85	35,944	23,468	12,476	34.7
1985-86	32,893	21,331	11,562	35.2
1986-87	31,323	20,056	11,267	36.0
1987-88	28,123	17,712	10,411	37.0
1988-89	26,721	16,437	10,284	38.4
1989-90	26,915	16,369	10,546	39.2
1990-91	29,243	17,458	11,785	40.3
1991-92	33,301	19,601	13,700	41.1
1992-93	37,410	21,791	15,619	41.8
1993-94	42,808	24,851	17,957	42.0
1994-95	45,365	26,397	18,968	41.8
1995-96	46,591	26,812	19,779	42.5
1996-97	46,968	26,937	20,031	42.6
1997-98	43,020	24,747	18,273	42.5

1/ Includes 56 students for whom gender information was not available.

SOURCE: Association of American Medical Colleges, AAMC Data Book, Statistical Information Related to Medical Education, January 1998. Washington, DC, 1998. Also unpublished data.

TABLE 206. APPLICANTS TO SCHOOLS OF ALLOPATHIC MEDICINE BY RACE AND ETHNICITY, ACADEMIC YEARS 1975-76 TO 1997-98

ACADEMIC YEAR	TOTAL	TOTAL MINORITIES 1/	UNDERREPRESENTED MINORITIES 2/ NUMBER	PERCENT	BLACK	HISPANIC	NATIVE AMERICAN 3/	ASIAN/PACIFIC ISLANDER	OTHER/ UNKNOWN 4/	WHITE
1975-76	42,303	4,718	3,286	7.8	2,483	947	137	1,151	3,900	33,685
1976-77	42,155	5,058	3,592	8.5	2,730	996	139	1,193	4,094	33,003
1977-78	40,569	5,262	3,599	8.9	2,730	1,074	140	1,318	3,179	32,128
1978-79	36,636	5,469	3,321	9.1	2,564	1,252	133	1,520	1,458	29,709
1979-80	36,141	6,000	3,380	9.4	2,598	1,591	151	1,660	807	29,334
1980-81	36,100	6,266	3,381	9.4	2,594	1,751	147	1,774	1,189	28,645
1981-82	36,727	6,668	3,541	9.6	2,644	1,888	160	1,976	1,061	28,998
1982-83	35,730	6,787	3,453	9.7	2,600	1,828	137	2,222	1,127	27,816
1983-84	35,200	6,891	3,440	9.8	2,558	1,847	161	2,325	835	27,474
1984-85	35,944	7,611	3,578	10.0	2,620	2,066	150	2,775	507	27,826
1985-86	32,893	7,201	3,321	10.1	2,428	1,939	125	2,709	616	25,076
1986-87	31,323	7,286	3,203	10.2	2,388	1,785	121	2,992	715	23,322
1987-88	28,123	7,106	2,988	10.6	2,203	1,591	123	3,189	689	20,328
1988-89	26,721	7,187	2,896	10.8	2,160	1,564	114	3,349	637	18,897
1989-90	26,915	7,621	3,049	11.3	2,216	1,608	136	3,661	680	18,614
1990-91	29,243	8,536	3,172	10.8	2,349	1,710	132	4,345	836	19,871
1991-92	33,301	10,233	3,605	10.8	2,659	1,926	161	5,487	982	22,086
1992-93	37,410	11,512	4,034	10.8	2,917	2,176	194	6,225	1,202	24,696
1993-94	42,808	13,869	4,715	11.0	3,489	2,329	238	7,813	894	28,045
1994-95	45,365	15,262	5,060	11.2	3,659	2,538	261	8,804	915	29,188
1995-96	46,591	16,268	5,146	11.0	3,595	2,724	305	9,644	1,029	29,294
1996-97	46,968	16,456	5,259	11.2	3,645	2,775	323	9,715	1,010	29,502
1997-98	43,020	14,453	4,513	10.5	3,133	2,368	311	8,641	2,272	26,295

1/ Includes Black Americans, Native Americans, Hispanics and Asian/Pacific Islanders.

2/ Includes Black Americans, Native Americans, Mainland Puerto Ricans and Mexican Americans. Underrepresented minorities include only U.S. citizens and aliens with permanent residence. Prior to 1981 only U.S. citizens were included.

3/ In 1997 the category "Native American" was redefined to include American Indians, Alaskan Natives and Native Hawaiians. Prior to 1997 this category included only American Indians and Alaskan Natives.

4/ Includes other Minorities, Foreign Students and students for whom race is unspecified.

SOURCE: Association of American Medical Colleges. AAMC Data Book, Statistical Information Related to Medical Education, January 1998. Washington, DC, 1998. Also unpublished data.



TABLE 207. FIRST-YEAR ENROLLMENTS IN SCHOOLS OF ALLOPATHIC MEDICINE BY RACE AND ETHNICITY, ACADEMIC YEARS 1975-76 TO 1997-98

ACADEMIC YEAR	TOTAL	TOTAL MINORITIES 1/	UNOERREPRESENTED MINORITIES 2/ NUMBER PERCENT	BLACK	HISPANIC	NATIVE AMERICAN 3/	ASIAN/PACIFIC ISLANDER	OTHER/ UNKNOWN 4/	WHITE
1975-76	15,295	2,134	1,391 9.1	1,036	756	60	282	5	13,156
1976-77	15,613	1,943	1,400 9.0	1,040	512	43	348	287	13,383
1977-78	16,136	2,146	1,450 9.0	1,085	615	51	395	258	13,732
1978-79	16,501	2,225	1,443 8.7	1,061	665	47	452	202	14,074
1979-80	16,930	2,463	1,547 9.1	1,108	790	63	502	208	14,259
1980-81	17,186	2,585	1,548 9.0	1,128	818	67	572	339	14,262
1981-82	17,288	2,933	1,671 9.7	1,196	902	70	765	117	14,218
1982-83	17,254	3,069	1,626 9.4	1,145	926	62	936	100	14,085
1983-84	17,150	3,124	1,658 9.7	1,173	893	75	983	117	13,909
1984-85	16,997	3,275	1,672 9.8	1,148	926	77	1,124	116	13,606
1985-86	16,963	3,447	1,644 9.7	1,117	975	60	1,295	138	13,378
1986-87	16,819	3,703	1,677 10.0	1,174	954	61	1,514	129	12,987
1987-88	16,713	4,043	1,713 10.2	1,221	927	68	1,827	159	12,511
1988-89	16,868	4,335	1,708 10.1	1,210	949	76	2,100	147	12,386
1989-90	16,756	4,524	1,749 10.4	1,221	964	82	2,257	193	12,039
1990-91	16,876	4,799	1,744 10.3	1,263	933	76	2,527	247	11,830
1991-92	17,071	5,147	1,876 11.0	1,304	1,006	93	2,744	247	11,677
1992-93	17,079	5,266	2,121 12.4	1,425	1,103	123	2,615	251	11,562
1993-94	17,121	5,452	2,161 12.6	1,489	1,073	129	2,761	206	11,463
1994-95	17,085	5,759	2,288 13.4	1,519	1,166	131	2,943	250	11,076
1995-96	17,058	5,933	2,340 13.7	1,528	1,209	150	3,046	218	10,907
1996-97	16,935	5,818	2,223 13.1	1,423	1,207	149	3,039	201	10,916
1997-98	16,867	5,839	2,056 12.2	1,351	1,098	137	3,253	103	10,784

1/ Includes Black Americans, Native Americans, Hispanic and Asian/Pacific Islanders.

2/ Includes Black Americans, Native Americans, Mainland Puerto Ricans and Mexican Americans. Underrepresented minorities include only U.S. citizens and aliens with permanent residence. Prior to 1981 only U.S. citizens were included.

3/ In 1997 the category "Native American" was redefined to include American Indians, Alaskan Natives and Native Hawaiians. Prior to 1997 this category included only American Indians and Alaskan Natives.

4/ Includes other Minorities, Foreign Students and Students for whom race is unspecified.

SOURCE: Association of American Medical Colleges. AAMC Data Book, Statistical Information Related to Medical Education, January 1998. Washington, DC, 1998. Also unpublished data.

TABLE 208. TOTAL ENROLLMENTS IN SCHOOLS OF ALLOPATHIC MEDICINE BY RACE AND ETHNICITY  
ACADEMIC YEARS 1975-76 TO 1997-98

ACADEMIC YEAR	TOTAL	TOTAL MINORITIES 1/	UNDERREPRESENTED MINORITIES 2/ NUMBER	PERCENT	BLACK	HISPANIC	NATIVE AMERICAN 3/	ASIAN/PACIFIC ISLANDER	OTHER/ UNKNOWN 4/	WHITE
1975-76	55,818	6,123	4,524	8.1	3,456	1,473	172	1,022	238	49,457
1976-77	57,765	6,525	4,715	8.2	3,517	1,645	186	1,177	262	50,978
1977-78	60,039	7,260	4,880	8.1	3,587	2,050	201	1,422	805	51,974
1978-79	62,213	7,596	4,898	7.9	3,537	2,265	202	1,592	871	53,746
1979-80	63,800	8,130	5,086	8.0	3,627	2,514	212	1,777	816	54,854
1980-81	65,189	8,614	5,209	8.0	3,708	2,761	221	1,924	1,141	55,434
1981-82	66,298	9,724	5,503	8.3	3,884	3,093	229	2,518	1,373	56,201
1982-83	66,748	10,345	5,544	8.3	3,869	3,305	235	2,936	371	56,032
1983-84	67,327	10,798	5,600	8.3	3,892	3,358	258	3,290	362	56,167
1984-85	67,016	11,374	5,707	8.5	3,944	3,410	257	3,763	410	55,232
1985-86	66,585	11,831	5,655	8.5	3,849	3,458	235	4,289	419	54,335
1986-87	66,125	12,538	5,722	8.7	3,892	3,521	242	4,883	451	53,136
1987-88	65,735	13,487	5,812	8.8	3,968	3,548	233	5,738	520	51,728
1988-89	65,300	14,393	5,798	8.9	3,995	3,566	237	6,595	541	50,366
1989-90	65,016	15,429	5,942	9.1	4,145	3,537	258	7,489	626	48,961
1990-91	65,163	16,492	6,084	9.3	4,241	3,538	277	8,436	778	47,893
1991-92	65,602	17,718	6,525	9.6	4,334	3,645	301	9,438	790	47,094
1992-93	66,142	18,775	6,787	10.3	4,638	3,810	333	9,994	902	46,465
1993-94	66,629	20,002	7,158	10.7	4,900	3,986	364	10,752	853	45,774
1994-95	67,072	20,757	7,615	11.4	5,117	4,148	430	11,062	912	45,403
1995-96	66,970	21,539	8,062	12.0	5,337	4,349	501	11,352	837	44,594
1996-97	67,276	22,160	8,234	12.2	5,400	4,424	528	11,808	833	44,283
1997-98	66,900	22,590	8,178	12.2	5,303	4,423	561	12,303	909	43,401

1/ Includes Black Americans, Native Americans, Hispanics and Asian/Pacific Islanders.  
 2/ Includes Black Americans, Native Americans, Mainland Puerto Ricans and Mexican Americans. Underrepresented minorities include only U.S. citizens and aliens with permanent residence. Prior to 1981 only U.S. citizens were included.  
 3/ In 1997 the category "Native American" was redefined to include American Indians, Alaskan Natives and Native Hawaiians. Prior to 1997 this category included only American Indians and Alaskan Natives.  
 4/ Includes other Minorities, Foreign Students and Students for whom race is unspecified.

SOURCE: Association of American Medical Colleges. AAMC Data Book, Statistical Information Related to Medical Education, January 1998. Washington, DC, 1998. Also unpublished data.

TABLE 209. GRADUATES FROM SCHOOLS OF ALLOPATHIC MEDICINE BY RACE AND ETHNICITY  
ACADEMIC YEARS 1978-79 TO 1996-97

ACADEMIC YEAR	TOTAL	TOTAL MINORITIES 1/	UNDERREPRESENTED MINORITIES 2/ NUMBER	PERCENT	BLACK	HISPANIC	NATIVE AMERICAN 3/	ASIAN/PACIFIC ISLANDER	OTHER/ UNKNOWN 4/	WHITE
1978-79	14,784	1,632	1,062	7.2	760	445	49	378	524	12,628
1979-80	15,113	1,675	1,066	7.1	768	462	33	412	650	12,788
1980-81	15,632	1,795	1,086	6.9	766	530	43	456	636	13,201
1981-82	16,012	1,946	1,107	6.9	763	610	45	528	240	13,826
1982-83	15,802	2,241	1,231	7.8	883	719	45	594	57	13,504
1983-84	16,343	2,319	1,191	7.3	818	763	59	679	20	14,004
1984-85	16,318	2,450	1,224	7.5	828	807	65	750	80	13,788
1985-86	16,117	2,573	1,195	7.4	824	791	49	909	131	13,413
1986-87	15,830	2,595	1,190	7.5	820	765	63	947	91	13,144
1987-88	15,919	2,843	1,261	7.9	850	825	58	1,119	74	13,002
1988-89	15,630	2,975	1,247	8.0	821	856	57	1,241	49	12,606
1989-90	15,398	3,178	1,268	8.2	874	819	52	1,433	145	12,075
1990-91	15,427	3,483	1,326	8.6	918	832	46	1,687	152	11,792
1991-92	15,365	3,675	1,273	8.3	850	842	63	1,920	165	11,525
1992-93	15,466	3,858	1,363	8.8	943	816	71	2,028	292	11,316
1993-94	15,555	4,248	1,377	8.9	960	858	66	2,364	243	11,064
1994-95	15,888	4,511	1,427	9.0	970	897	65	2,579	299	11,078
1995-96	15,907	4,681	1,625	10.2	1,053	985	91	2,552	355	10,871
1996-97	15,923	4,730	1,695	10.6	1,158	941	100	2,531	352	10,841

1/ Includes Black Americans, Native Americans, Hispanics and Asian/Pacific Islanders.  
 2/ Includes Black Americans, Native Americans, Mainland Puerto Ricans and Mexican Americans. Underrepresented minorities include only U.S. citizens and aliens with permanent residence. Prior to 1981 only U.S. citizens were included.  
 3/ In 1997 the category "Native American" was redefined to include American Indians, Alaskan Natives and Native Hawaiians. Prior to 1997 this category included only American Indians and Alaskan Natives.  
 4/ Includes other Minorities, Foreign Students and students for whom race is unspecified.

SOURCE: Association of American Medical Colleges. AAMC Data Book, Statistical Information Related to Medical Education, January 1998. Washington, DC, 1998. Also unpublished data.



TABLE 210. FIRST-YEAR AND TOTAL ENROLLMENTS IN AND GRADUATES FROM SCHOOLS OF ALLOPATHIC MEDICINE  
BY GENDER, ACADEMIC YEARS 1975-76 TO 1997-98

ACADEMIC YEAR	NUMBER OF SCHOOLS	FIRST-YEAR ENROLLMENTS			TOTAL ENROLLMENTS			GRADUATES		
		TOTAL	WOMEN	PERCENT WOMEN	TOTAL	WOMEN	PERCENT WOMEN	TOTAL	WOMEN	PERCENT WOMEN
1975-76	114	15,295	3,647	23.8	55,818	11,417	20.5	13,634	2,212	16.2
1976-77	116	15,613	3,858	24.7	57,765	12,954	22.4	13,614	2,613	19.2
1977-78	122	16,136	4,130	25.6	60,039	14,218	23.7	14,391	3,085	21.4
1978-79	125	16,501	4,162	25.2	62,213	15,102	24.3	14,784	3,445	23.3
1979-80 1/	126	16,930	4,713	27.8	63,800	16,141	25.3	15,113	3,497	23.1
1980-81 1/	126	17,186	4,966	28.9	65,189	17,248	26.5	15,632	3,898	24.9
1981-82	126	17,268	5,317	30.8	66,298	18,505	27.9	16,012	3,991	24.9
1982-83	127	17,254	5,462	31.7	66,748	19,597	29.4	15,802	4,232	26.8
1983-84	127	17,150	5,653	33.0	67,327	20,635	30.6	16,343	4,632	28.3
1984-85	127	16,997	5,715	33.6	67,016	21,316	31.8	16,318	4,904	30.1
1985-86	127	16,963	5,800	34.2	66,585	21,650	32.5	16,117	4,957	30.8
1986-87	127	16,819	5,894	35.0	66,125	22,100	33.4	15,830	5,107	32.3
1987-88	127	16,713	6,098	36.5	65,735	22,544	34.3	15,919	5,215	32.8
1988-89	127	16,868	6,254	37.1	65,300	22,985	35.2	15,630	5,221	33.4
1989-90	127	16,756	6,414	38.3	65,016	23,513	36.2	15,398	5,231	34.0
1990-91	126	16,876	6,550	38.8	65,163	24,286	37.3	15,427	5,553	36.0
1991-92	126	17,071	6,804	39.9	65,602	24,962	38.1	15,365	5,550	36.1
1992-93	126	17,079	7,158	41.9	66,142	26,038	39.4	15,466	5,880	38.0
1993-94	126	17,121	7,230	42.2	66,629	26,854	40.3	15,555	5,919	38.1
1994-95	125	17,085	7,212	42.2	67,072	27,552	41.1	15,888	6,232	39.2
1995-96	125	17,058	7,363	43.2	66,907	28,031	41.9	15,907	6,509	40.9
1996-97	125	16,935	7,271	42.9	67,276	28,404	42.2	15,923	6,604	41.5
1997-98	125	16,867	7,333	43.5	66,900	28,505	42.6	NA	NA	NA

N/A - Not Available

1/ Total enrollment for 1979-80 and 1980-81 include 22 and 55 students, respectively for whom gender is unknown.

SOURCE: Association of American Medical Colleges. AAMC Data Book, Statistical Information Related to Medical Education, January 1998. Washington, DC, 1998. Also unpublished data.

TABLE 211. TOTAL AND ACTIVE OSTEOPATHIC PHYSICIANS (DOs) AND  
PHYSICIAN-TO-POPULATION RATIOS, 1975-1997

YEAR	TOTAL NUMBER OF DOs	TOTAL NUMBER OF ACTIVE DOs	TOTAL DOs PER 100,000 POPULATION	ACTIVE DOs PER 100,000 POPULATION
1975	14,929	13,977	6.8	6.4
1976	15,572	14,579	7.0	6.6
1977	16,175	15,144	7.2	6.8
1978	17,036	15,950	7.5	7.1
1979	17,975	16,829	7.9	7.4
1980	18,820	17,620	8.1	7.6
1981	19,686	18,431	8.4	7.9
1982	20,559	19,248	8.7	8.2
1983	21,618	20,239	9.1	8.5
1984	22,746	21,295	9.5	8.9
1985	24,014	22,483	9.9	9.3
1986	25,479	23,854	10.4	9.8
1987	26,794	25,085	10.9	10.2
1988	28,403	26,466	11.4	10.6
1989	29,654	27,763	11.8	11.1
1990	30,924	28,952	12.2	11.4
1991	32,297	29,244	12.6	11.4
1992	33,573	31,206	13.0	12.0
1993	34,967	32,489	13.3	12.4
1994	36,559	34,079	13.8	12.9
1995	38,219	35,720	14.3	13.4
1996	39,838	37,306	14.8	13.8
1997	41,654	38,932	15.3	14.3

SOURCE: American Osteopathic Association. 1992 Yearbook and Directory of Osteopathic Physicians  
American Association of Colleges of Osteopathic Medicine. 1997 Annual Statistical Report.  
Rockville MD, 1997. Also prior annual reports.

TABLE 212. APPLICANTS TO SCHOOLS OF OSTEOPATHIC MEDICINE BY GENDER,  
ACADEMIC YEARS 1976-77 TO 1997-98

ACADEMIC YEAR	NUMBER OF APPLICANTS	MEN	WOMEN	PERCENT WOMEN
1976-77	3,707	*	*	*
1977-78	3,918	3,359	559	14.3
1978-79	3,530	2,920	610	17.3
1979-80	3,856	3,091	765	19.8
1980-81	3,786	2,982	804	21.2
1981-82	3,885	2,984	901	23.2
1982-83	3,917	2,952	965	24.6
1983-84	4,045	2,953	1,092	27.0
1984-85	4,126	2,958	1,168	28.3
1985-86	3,869	2,767	1,102	28.5
1986-87	3,515	2,505	1,010	28.7
1987-88	3,326	2,324	1,002	30.1
1988-89	3,030	2,064	966	31.9
1989-90	3,160	2,092	1,068	33.8
1990-91	3,224	2,142	1,082	33.6
1991-92	4,163	2,770	1,393	33.5
1992-93	5,752	3,735	2,017	35.1
1993-94	7,506	4,753	2,753	36.7
1994-95	9,336	5,842	3,494	37.4
1995-96	10,213	6,387	3,826	37.5
1996-97	10,781	6,553	4,228	39.2
1997-98	10,764	6,471	4,293	39.9

\* Not Available

Data include colleges participating in the American Association of Colleges of Osteopathic Medicine's Application Service (AACOMAS).

SOURCE: American Association of Colleges of Osteopathic medicine. 1997 Annual Statistical Report. Rockville, MD, 1997. Also prior annual editions.

TABLE 213. APPLICANTS TO SCHOOLS OF OSTEOPATHIC MEDICINE BY RACE AND ETHNICITY, ACADEMIC YEARS 1976-77 TO 1997-98

ACADEMIC YEAR	TOTAL	TOTAL MINORITIES	UNDERREPRESENTED MINORITIES 1/ NUMBER	PERCENT	BLACK	HISPANIC	AMERICAN INDIAN	ASIAN	WHITE 2/
1976-77	3,707	168	106	2.9	59	33	14	62	3,539
1977-78	3,918	220	165	4.2	111	42	12	55	3,698
1978-79	3,530	231	172	4.9	116	38	18	59	3,299
1979-80	3,856	312	208	5.4	133	56	19	104	3,544
1980-81	3,786	319	221	5.8	130	76	15	98	3,467
1981-82	3,885	362	245	6.3	138	92	15	117	3,523
1982-83	3,917	433	294	7.5	150	128	16	139	3,484
1983-84	4,045	530	359	8.9	188	134	37	171	3,515
1984-85	4,126	493	303	7.3	136	140	27	190	3,633
1985-86	3,869	537	336	8.7	145	170	21	201	3,332
1986-87	3,515	569	354	10.1	159	164	31	215	2,946
1987-88	3,326	642	354	10.6	170	165	19	288	2,684
1988-89	3,030	654	381	12.6	208	153	20	273	2,376
1989-90	3,160	756	418	13.2	221	177	20	338	2,404
1990-91	3,224	731	381	11.8	196	154	31	350	2,493
1991-92	4,163	1,029	445	10.7	252	172	21	584	3,134
1992-93	5,752	1,344	576	10.0	294	233	49	768	4,408
1993-94	7,506	1,772	689	9.2	325	305	59	1,083	5,734
1994-95	9,336	2,371	875	9.4	401	390	84	1,496	6,965
1995-96	10,213	2,719	964	9.4	439	407	118	1,755	7,494
1996-97	10,781	2,998	947	8.8	421	436	90	2,051	7,783
1997-98	10,764	3,091	984	9.1	434	448	102	2,107	7,673

1/ Includes Black Americans, Hispanic Americans and American Indians.

2/ Includes Other and Unknown race.

Data include colleges participating in the American Association of Colleges of Osteopathic Medicine's Application Service (AACOMAS).

SOURCE: American Association of Colleges of Osteopathic Medicine. 1997 Annual Statistical Report. Rockville, MD, 1997. Also prior annual reports.





TABLE 214. FIRST-YEAR ENROLLMENTS IN SCHOOLS OF OSTEOPATHIC MEDICINE BY RACE AND ETHNICITY, ACADEMIC YEARS 1975-76 TO 1996-97

ACADEMIC YEAR	TOTAL	TOTAL MINORITIES	UNDERREPRESENTED MINORITIES 1/		BLACK	HISPANIC	AMERICAN INDIAN	ASIAN	WHITE 2/
			NUMBER	PERCENT					
1975-76	1,038	55	40	3.9	23	10	7	15	983
1976-77	1,088	59	44	4.0	26	12	6	15	1,029
1977-78	1,163	63	47	4.0	26	13	8	16	1,100
1978-79	1,322	74	58	4.4	31	17	10	16	1,248
1979-80	1,426	93	64	4.5	40	18	6	29	1,333
1980-81	1,496	99	66	4.4	40	18	8	33	1,397
1981-82	1,582	104	71	4.5	37	22	12	33	1,478
1982-83	1,682	127	81	4.8	38	33	10	46	1,555
1983-84	1,746	152	100	5.7	49	38	13	52	1,594
1984-85	1,750	160	113	6.5	42	54	17	47	1,590
1985-86	1,737	185	115	6.6	37	68	10	70	1,552
1986-87	1,724	164	91	5.3	26	56	9	73	1,560
1987-88	1,692	213	105	6.2	38	60	7	108	1,479
1988-89	1,780	311	174	9.8	85	81	8	137	1,469
1989-90	1,844	320	162	8.8	68	79	15	158	1,524
1990-91	1,950	385	171	8.8	79	78	14	214	1,565
1991-92	1,974	366	141	7.1	67	67	7	225	1,608
1992-93	2,035	398	188	9.2	81	89	18	210	1,637
1993-94	2,162	387	184	8.5	95	70	19	203	1,775
1994-95	2,217	441	198	8.9	93	83	22	243	1,776
1995-96	2,274	499	227	10.0	109	91	27	272	1,775
1996-97	2,535	551	244	9.6	115	112	17	307	1,984

1/ Includes Black Americans, Hispanic Americans, and American Indians.

2/ Includes Other and Unknown race.

SOURCE: American Association of Colleges of Osteopathic Medicine. 1997 Annual Statistical Report. Rockville, MD, 1997. Also prior annual reports.

TABLE 215. TOTAL ENROLLMENTS IN SCHOOLS OF OSTEOPATHIC MEDICINE BY RACE AND ETHNICITY, ACADEMIC YEARS 1975-76 TO 1996-97

ACADEMIC YEAR	TOTAL	TOTAL MINORITIES	UNDERREPRESENTED MINORITIES 1/		BLACK	HISPANIC	AMERICAN INDIAN	ASIAN	WHITE 2/
			NUMBER	PERCENT					
1975-76	3,443	120	93	2.7	57	23	13	27	3,323
1976-77	3,671	155	113	3.1	70	27	16	42	3,516
1977-78	3,926	173	128	3.3	76	33	19	45	3,753
1978-79	4,221	192	147	3.5	87	36	24	45	4,029
1979-80	4,571	241	171	3.7	100	45	26	70	4,350
1980-81	4,940	252	165	3.3	94	52	19	87	4,688
1981-82	5,304	301	192	3.6	104	62	26	109	5,003
1982-83	5,822	355	222	3.8	116	81	25	133	5,467
1983-84	6,212	411	259	4.2	122	98	39	152	5,801
1984-85	6,547	468	302	4.6	126	126	50	166	6,079
1985-86	6,608	533	331	5.0	125	158	48	202	6,075
1986-87	6,640	583	341	5.1	117	182	42	242	6,057
1987-88	6,586	653	366	5.6	122	208	36	287	5,933
1988-89	6,614	813	432	6.5	159	240	33	381	5,801
1989-90	6,615	921	458	6.9	173	246	39	463	5,694
1990-91	6,792	1,112	530	7.8	217	277	36	582	5,680
1991-92	7,012	1,234	549	7.8	236	276	37	685	5,778
1992-93	7,375	1,312	569	7.7	251	293	45	743	6,063
1993-94	7,822	1,397	595	7.6	256	288	51	802	6,425
1994-95	8,146	1,494	640	7.9	286	289	65	854	6,652
1995-96	8,475	1,667	734	8.7	318	331	85	933	6,808
1996-97	8,961	1,813	791	8.8	369	83	339	1,022	7,148

1/ Includes Black Americans, Hispanic Americans, and American Indians.

2/ Includes Other and Unknown race.

SOURCE: American Association of Colleges of Osteopathic Medicine. 1997 Annual Statistical Report. Rockville, MD, 1997. Also prior annual reports.

TABLE 216. FIRST-YEAR AND TOTAL ENROLLMENTS IN AND GRADUATES FROM SCHOOLS OF OSTEOPATHIC MEDICINE BY GENDER, ACADEMIC YEARS 1975-76 TO 1996-97

ACADEMIC YEAR	NUMBER OF SCHOOLS	FIRST-YEAR ENROLLMENTS			TOTAL ENROLLMENTS			GRADUATES		
		TOTAL	WOMEN	PERCENT WOMEN	TOTAL	WOMEN	PERCENT WOMEN	TOTAL	WOMEN	PERCENT WOMEN
1975-76	9	1,038	140	13.5	3,443	362	10.5	809	58	7.2
1976-77	10	1,088	179	16.5	3,671	472	12.9	908	84	9.3
1977-78	12	1,163	192	16.5	3,926	570	14.5	971	68	7.0
1978-79	14	1,322	222	16.8	4,221	688	16.3	1,004	163	16.2
1979-80	14	1,426	265	18.6	4,571	789	17.3	1,059	192	18.1
1980-81	15	1,496	329	22.0	4,940	971	19.7	1,151	202	17.5
1981-82	15	1,592	378	23.7	5,304	1,108	20.9	1,017	186	18.3
1982-83	15	1,682	428	25.4	5,322	1,317	22.6	1,317	261	19.8
1983-84	15	1,746	460	26.3	6,212	1,526	24.6	1,287	262	20.4
1984-85	15	1,750	511	29.2	6,547	1,707	26.1	1,476	343	23.2
1985-86	15	1,737	489	28.2	6,608	1,799	27.2	1,560	392	25.1
1986-87	15	1,724	471	27.3	6,640	1,853	27.9	1,593	395	24.8
1987-88	15	1,692	490	29.0	6,586	1,904	28.9	1,572	438	27.9
1988-89	15	1,780	571	32.1	6,614	1,986	30.0	1,609	491	30.5
1989-90	15	1,844	615	33.4	6,615	2,056	31.1	1,529	431	28.2
1990-91	15	1,950	667	34.2	6,792	2,221	32.7	1,534	458	29.9
1991-92	15	1,974	645	32.7	7,012	2,340	33.4	1,532	501	32.7
1992-93	15	2,035	715	35.1	7,375	2,512	34.1	1,606	533	33.2
1993-94	16	2,162	771	35.7	7,822	2,714	34.7	1,752	602	34.4
1994-95	16	2,217	805	36.3	8,146	2,870	35.2	1,843	648	35.2
1995-96	16	2,274	850	37.4	8,475	3,075	36.3	1,932	690	35.7
1996-97	17	2,535	957	37.8	8,961	3,308	36.9	2,020 est	709	35.1

SOURCE: American Association of Colleges of Osteopathic Medicine. 1997 Annual Statistical Report. Rockville, MD, 1997. Also prior annual reports.

TABLE 217. ESTIMATED AND PROJECTED NUMBER OF PATIENT CARE PODIATRISTS AND PODIATRIST-TO-POPULATION RATIOS, 1970-2000

YEAR	ACTIVE PATIENT CARE PODIATRISTS	TOTAL POPULATION (THOUSANDS)	PODIATRISTS PER 100,000 TOTAL POP
1970	6,200	206,466	3.0
1975	6,400	217,095	2.9
1980	7,780	228,937	3.4
1983	8,480	235,385	3.6
1986	9,620	241,784	4.0
1989	9,835	248,659	4.0
1990	10,353	251,360	4.1
1991	10,354	254,046	4.1
1992	10,346	256,866	4.0
1993	10,358	259,487	4.0
1995	10,304	264,037	3.9
1996	10,735	266,449	4.0
1997	11,121	268,823	4.1
1998	11,482	271,166	4.2
1999	11,853	273,482	4.3
2000	12,242	275,776	4.4

SOURCES: Bureau of Health Professions, Office of Research & Planning; American Podiatric Medical Association. Unpublished data. U.S. Bureau of the Census. Current Population Reports Series P-25, Nos. 1113, 1128 and 1130.

TABLE 218. NUMBER OF COLLEGES OF PODIATRIC MEDICINE, STUDENTS AND GRADUATES, SELECTED ACADEMIC YEARS 1960-61 TO 1996-97

ACADEMIC YEAR	NUMBER OF SCHOOLS	STUDENTS			GRADUATES
		TOTAL	FIRST YEAR		
1960-61	5	478	127		116
1970-71	5	1,147	351		241
1975-76	5	2,085	641		497
1976-77	5	2,295	667		479
1977-78	5	2,388	673		543
1978-79	5	2,498	678		572
1979-80	5	2,531	718		577
1980-81	5	2,577	695		597
1981-82	5	2,584	702		599
1982-83	6	2,608	724		631
1983-84	6	2,556	689		607
1984-85	6	2,616	782		586
1985-86	7	2,749	811		612
1986-87	7	2,832	615		590
1987-88	7	2,790	716		645
1988-89	7	2,608	595		673
1989-90	7	2,597	599		671
1990-91	7	2,154	561		591
1991-92	7	2,263	777		539
1992-93	7	2,438	802		400
1993-94	1/	2,161	701		380
1994-95	1/	2,318	652		558
1995-96	1/	2,312	630		680
1996-97	1/	2,175	616		NA

1/ Enrollments and graduates do not include the New York College of Podiatric Medicine.

SOURCE: American Association of Colleges of Podiatric Medicine. Unpublished data.

TABLE 219. ESTIMATED PERCENT DISTRIBUTION OF PRACTICING PHYSICIAN ASSISTANTS BY SPECIALTY, SELECTED YEARS 1984-1996 1/

Specialty	1984	1989	1990	1991	1992	1996
Total	100.0	100.0	100.0	100.0	100.0	100.0
Primary care	55.8	49.3	45.0	43.6	42.8	50.8
Family medicine 2/	42.5	37.9	33.0	31.3	31.4	39.8
General internal medicine	9.2	7.8	9.0	9.9	8.9	8.3
Pediatrics	4.1	3.6	3.0	2.4	2.5	2.7
Non primary care	44.2	50.7	55.0	56.4	57.2	49.2
Obstetrics/gynecology	3.1	4.6	4.0	3.4	3.3	3.0
Surgical subspecialties	9.0	7.5	9.0	9.0	9.8	8.8
General surgery	9.2	7.9	8.0	9.2	8.0	3.1
Internal med subspecialties	4.8	3.8	6.0	5.9	7.1	5.7
Pediatric Subspecialties	0.0	1.0	2.0	1.0	1.2	1.4
Emergency medicine	6.4	6.2	7.0	7.9	8.0	10.3
Orthopedics	4.1	5.6	6.0	7.1	7.6	6.9
Occupational medicine	4.1	3.8	5.0	4.0	3.9	3.1
Other specialties 3/	3.5	10.3	8.0	8.9	8.3	6.9

1/ Practicing Physician Assistants are estimated at 85% of the total graduates.

2/ Includes general medicine.

3/ Includes Correctional medicine, Neurology, Geriatric medicine, Psychiatry, and Industrial medicine.

SOURCE: American Academy of Physician Assistants. Unpublished data.

TABLE 220. ESTIMATED NUMBER OF PHYSICIAN ASSISTANTS AND PHYSICIAN ASSISTANT-TO-POPULATION RATIOS BY GEOGRAPHIC AREA, JANUARY 1, 1998

GEOGRAPHIC AREA	PHYSICIAN ASSISTANTS	PHYSICIAN ASSISTANTS PER 100K POP
UNITED STATES	31,084	11.9
NORTHEAST	7,954	15.5
NEW ENGLAND	2,014	15.1
Connecticut	632	19.3
Maine	347	28.0
Massachusetts	667	11.0
New Hampshire	145	12.6
Rhode Island	115	11.6
Vermont	108	18.5
MIDDLE ATLANTIC	5,940	15.6
New Jersey	3,290	3.7
New York	3,998	22.0
Pennsylvania	1,652	13.7
SOUTH	10,286	11.2
SOUTH ATLANTIC	6,628	14.1
Delaware	65	9.1
District of Columbia	177	31.9
Florida	1,575	11.1
Georgia	1,068	14.8
Maryland	1,014	20.1
North Carolina	1,675	23.3
South Carolina	264	7.2
Virginia	479	7.2
West Virginia	311	17.0
EAST SOUTH CENTRAL	1,036	6.5
Alabama	200	4.7
Kentucky	383	9.9
Mississippi	41	1.5
Tennessee	412	7.8
WEST SOUTH CENTRAL	2,622	9.1
Arkansas	45	1.8
Louisiana	195	4.5
Oklahoma	467	14.2
Texas	1,915	10.2



TABLE 220. ESTIMATED NUMBER OF PHYSICIAN ASSISTANTS AND PHYSICIAN ASSISTANT-TO-POPULATION RATIOS BY GEOGRAPHIC AREA, JANUARY 1, 1998  
(Continued)

GEOGRAPHIC AREA	PHYSICIAN ASSISTANTS	PHYSICIAN ASSISTANTS PER 100K POP
NORTH CENTRAL	5,571	9.0
EAST NORTH CENTRAL	3,473	8.0
Illinois	576	4.9
Indiana	190	3.3
Michigan	1,151	12.1
Ohio	926	8.3
Wisconsin	630	12.3
WEST NORTH CENTRAL	2,098	11.4
Iowa	385	13.5
Kansas	352	13.7
Minnesota	383	8.3
Missouri	230	4.3
Nebraska	374	22.8
North Dakota	172	26.8
South Dakota	202	27.7
WEST MOUNTAIN	7,273	12.6
Arizona	2,287	14.6
Colorado	500	11.9
Idaho	708	18.9
Montana	133	11.4
Nevada	119	13.7
New Mexico	147	9.6
Utah	342	20.3
Wyoming	248	12.7
	90	18.8
PACIFIC	4,986	11.9
Alaska	256	42.4
California	3,370	10.7
Hawaii	78	6.6
Oregon	274	8.7
Washington	1,008	18.6

SOURCE: American Academy of Physician Assistants. Information Update, 1997.

TABLE 221. ESTIMATED NUMBER OF STUDENTS AND GRADUATES FROM PHYSICIAN ASSISTANT PROGRAMS: ACADEMIC YEARS 1984-85 THROUGH 1996-97

ACADEMIC YEAR	NUMBER OF PROGRAMS	STUDENTS	
		TOTAL	GRADUATES
1984-85	53	2,549	1,176
1985-86	51	2,498	1,148
1986-87	49	2,461	1,094
1987-88	50	2,386	1,141
1988-89	51	2,514	1,204
1989-90	51	2,526	1,227
1990-91	55	3,086	1,499
1991-92	55	3,408	1,594
1992-93	59	3,836	1,759
1993-94	63	4,440	NA
1994-95	67	5,109	1,817
1995-96	81	5,558	NA
1996-97	89	5,874	2,356

SOURCES: Association of Physician Assistant Programs. Thirteenth Annual Report on Physician Assistant Education Programs in the United States 1996-97, May 1997.



TABLE 222. ACTIVE FEDERAL AND NONFEDERAL PHYSICIANS (MDs) AND PHYSICIAN-TO-POPULATION RATIOS BY SPECIALTY GROUP AND GEOGRAPHIC AREA, DECEMBER 31, 1996 1/

GEOGRAPHIC AREA	TOTAL ACTIVE PHYSICIANS	TOTAL PER 100K POPULATION	PRIMARY CARE PHYSICIANS	PRIMARY CARE PER 100K POP	NON-PRIMARY CARE PHYSICIANS	NON-PRIMARY CARE PER 100K POP
UNITED STATES	653,907	246.5	218,708	82.4	435,199	164.1
NORTHEAST	168,884	327.4	54,993	106.6	113,891	220.8
NEW ENGLAND	45,461	340.5	14,497	108.6	30,964	231.9
Connecticut	11,221	342.7	3,520	107.5	7,701	235.2
Maine	2,627	211.3	977	78.6	1,650	132.7
Massachusetts	24,231	397.8	7,452	122.3	16,779	275.4
New Hampshire	2,630	226.3	903	77.7	1,727	148.6
Rhode Island	3,105	313.6	1,036	104.7	2,069	209.0
Vermont	1,647	279.6	608	103.3	1,039	176.3
MIDDLE ATLANTIC	123,423	322.9	40,496	105.9	82,927	216.9
New Jersey	22,664	283.7	7,710	96.5	14,954	187.2
New York	67,224	369.7	22,283	122.5	44,941	247.1
Pennsylvania	33,535	278.2	10,503	87.1	23,032	191.0
SOUTH	210,168	225.7	68,256	73.3	141,912	152.4
SOUTH ATLANTIC	118,246	248.3	38,009	79.8	80,237	168.5
Delaware	1,650	227.6	546	75.3	1,104	152.3
District of Columbia	4,020	740.3	1,156	212.9	2,864	527.4
Florida	33,453	232.3	10,658	74.0	22,795	158.3
Georgia	15,459	210.2	4,999	68.0	10,460	142.2
Maryland	19,754	389.5	5,839	115.1	13,915	274.3
North Carolina	16,536	225.8	5,593	73.6	11,143	152.2
South Carolina	7,478	202.2	2,620	70.8	4,858	131.3
Virginia	16,125	241.6	5,431	81.4	10,694	160.2
West Virginia	3,771	206.5	1,365	74.8	2,406	131.7
EAST SOUTH CENTRAL	33,138	204.6	11,311	69.9	21,827	134.8
Alabama	8,304	194.3	2,914	68.2	5,390	126.1
Kentucky	7,827	201.5	2,710	69.8	5,117	131.7
Mississippi	4,284	157.7	1,480	54.5	2,804	103.2
Tennessee	12,723	239.2	4,207	79.1	8,516	160.1
WEST SOUTH CENTRAL	58,784	200.7	18,936	64.7	39,848	136.0
Arkansas	4,600	183.3	1,727	68.8	2,873	114.5
Louisiana	10,251	235.6	3,148	72.4	7,103	163.2
Oklahoma	5,513	167.0	1,924	58.3	3,589	108.7
Texas	38,420	200.9	12,137	63.4	26,283	137.4

TABLE 222. ACTIVE FEDERAL AND NONFEDERAL PHYSICIANS (MOS) AND PHYSICIAN-TO-POPULATION RATIOS BY SPECIALTY GROUP AND GEOGRAPHIC AREA, DECEMBER 31, 1996 1/ (Continued)

GEOGRAPHIC AREA	TOTAL ACTIVE PHYSICIANS	TOTAL PER 100K POPULATION	PRIMARY CARE PHYSICIANS	PRIMARY CARE PER 100K POP	NON-PRIMARY CARE PHYSICIANS	NON-PRIMARY CARE PER 100K POP
NORTH CENTRAL	138,873	223.7	49,105	79.1	89,768	144.6
EAST NORTH CENTRAL	98,932	226.8	34,751	79.7	64,181	147.2
Illinois	30,300	255.8	11,064	93.4	19,236	162.4
Indiana	10,904	186.7	3,895	66.7	7,009	120.0
Michigan	20,897	217.8	7,093	73.9	13,804	143.9
Ohio	25,432	227.6	8,565	76.7	16,867	151.0
Wisconsin	11,399	220.9	4,133	80.1	7,266	140.8
WEST NORTH CENTRAL	39,941	216.3	14,354	77.7	25,587	138.5
Iowa	4,876	171.0	1,751	61.4	3,125	109.6
Kansas	5,248	204.0	1,914	74.4	3,334	129.6
Minnesota	11,464	246.1	4,429	95.1	7,035	151.0
Missouri	12,166	227.0	3,826	71.4	8,340	155.6
Nebraska	3,448	208.7	1,321	79.9	2,127	128.8
North Dakota	1,383	214.8	554	86.0	829	128.8
South Dakota	1,356	185.2	561	76.7	795	108.6
WEST MOUNTAIN	135,982	232.4	46,354	79.2	89,628	153.2
Arizona	32,655	202.6	11,231	69.7	21,424	132.9
Colorado	9,050	204.4	3,054	69.0	5,996	135.4
Idaho	9,077	237.4	3,101	81.1	5,976	156.3
Idaho	1,760	148.0	675	56.7	1,085	91.3
Montana	1,661	189.0	589	67.1	1,072	121.9
Nevada	2,693	168.0	880	54.9	1,813	113.1
New Mexico	3,667	214.1	1,347	78.6	2,320	135.4
Utah	3,943	197.2	1,236	61.8	2,707	135.3
Wyoming	804	167.2	349	72.5	455	94.6
PACIFIC	103,327	243.7	35,123	82.8	68,204	160.8
Alaska	1,082	178.3	434	71.5	648	106.7
California	78,862	247.4	26,416	82.9	52,446	164.5
Hawaii	3,240	273.6	1,135	95.9	2,105	177.8
Oregon	7,095	221.4	2,533	79.1	4,562	142.4
Washington	13,048	235.8	4,605	83.2	8,443	152.6

1/ Includes physicians whose activity status is unclassified according to the American Medical Association.

SOURCE: American Medical Association. Physician Characteristics and Distribution in the U.S., 1997/98 edition. Chicago, 1997.

TABLE 223. FEDERAL AND NONFEDERAL PATIENT CARE PHYSICIANS (MDS), EXCLUDING RESIDENTS, AND PHYSICIAN-TO-POPULATION RATIOS BY SPECIALTY GROUP AND GEOGRAPHIC AREA, DECEMBER 31, 1996 1/

GEOGRAPHIC AREA	TOTAL PHYSICIANS	TOTAL PER 100K POPULATION	PRIMARY CARE PHYSICIANS	PRIMARY CARE PER 100K POP	NON-PRIMARY CARE PHYSICIANS	NON-PRIMARY CARE PER 100K POP
UNITED STATES	509,710	192.1	169,966	64.1	339,744	128.1
NORTHEAST	123,768	240.0	39,487	76.6	84,280	163.4
NEW ENGLAND	33,190	248.6	10,531	78.9	22,659	169.7
Connecticut	8,365	255.5	2,554	78.0	5,811	177.5
Maine	2,269	180.9	806	64.8	1,443	116.1
Massachusetts	16,855	276.7	5,208	85.5	11,647	191.2
New Hampshire	2,223	191.3	760	65.4	1,463	125.9
Rhode Island	2,251	227.4	712	71.9	1,539	155.4
Vermont	1,248	211.9	492	83.5	756	128.4
MIDDLE ATLANTIC	90,577	236.9	28,956	75.7	61,621	161.2
New Jersey	17,931	224.5	5,894	73.8	12,037	150.7
New York	47,427	260.8	15,343	84.4	32,084	176.4
Pennsylvania	25,219	209.2	7,719	64.0	17,500	145.2
SOUTH	167,699	180.1	54,835	58.9	112,864	121.2
SOUTH ATLANTIC	93,994	197.4	30,455	64.0	63,539	133.4
Delaware	1,339	184.7	430	59.3	909	125.4
District of Columbia	2,619	482.3	730	134.4	1,889	347.9
Florida	28,971	201.2	9,190	63.8	19,781	137.4
Georgia	12,517	170.2	4,059	55.2	8,458	115.0
Maryland	13,866	273.4	4,288	84.6	9,578	188.8
North Carolina	12,849	175.5	4,253	58.1	8,595	117.4
South Carolina	6,126	165.6	2,097	56.7	4,029	108.9
Virginia	12,721	190.6	4,345	65.1	8,376	125.5
West Virginia	2,987	163.6	1,063	58.2	1,924	105.4
EAST SOUTH CENTRAL	27,115	167.4	9,253	57.1	17,862	110.3
Alabama	6,787	158.8	2,370	55.5	4,416	103.4
Kentucky	6,440	165.8	2,236	57.6	4,204	108.2
Mississippi	3,664	134.9	1,260	46.4	2,403	88.5
Tennessee	10,224	192.2	3,386	63.6	6,838	128.5
WEST SOUTH CENTRAL	46,590	159.1	15,127	51.6	31,463	107.4
Arkansas	3,844	153.2	1,436	57.2	2,409	96.0
Louisiana	7,919	182.0	2,453	56.4	5,466	125.6
Oklahoma	4,567	138.3	1,593	48.3	2,973	90.1
Texas	30,260	158.2	9,646	50.4	20,615	107.8

TABLE 223. FEDERAL AND NONFEDERAL PATIENT CARE PHYSICIANS (MDs), EXCLUDING RESIDENTS, AND PHYSICIAN-TO-POPULATION RATIOS BY SPECIALTY GROUP AND GEOGRAPHIC AREA, DECEMBER 31, 1996 1/ (Continued)

GEOGRAPHIC AREA	TOTAL PHYSICIANS	TOTAL PER 100K POPULATION	PRIMARY CARE PHYSICIANS	PRIMARY CARE PER 100K POP	NON-PRIMARY CARE PHYSICIANS	NON-PRIMARY CARE PER 100K POP
NORTH CENTRAL	106,834	172.1	37,590	60.5	69,245	111.5
EAST NORTH CENTRAL	75,909	174.0	26,401	60.5	49,507	113.5
Illinois	22,688	191.5	8,167	68.9	14,521	122.6
Indiana	9,108	155.9	3,213	55.0	5,894	100.9
Michigan	15,398	160.5	5,195	54.2	10,202	106.3
Ohio	19,443	174.0	6,452	57.7	12,991	116.3
Wisconsin	9,273	179.7	3,374	65.4	5,898	114.3
WEST NORTH CENTRAL	30,926	167.4	11,188	60.6	19,737	106.9
Iowa	3,801	133.3	1,376	48.2	2,425	85.0
Kansas	4,234	164.6	1,532	59.5	2,702	105.1
Minnesota	8,639	185.5	3,435	73.7	5,204	111.7
Missouri	9,152	170.8	2,883	53.8	6,269	117.0
Nebraska	2,716	164.4	1,034	62.6	1,682	101.8
North Dakota	1,180	183.2	1,447	69.5	733	113.8
South Dakota	1,205	164.6	482	65.9	722	98.7
WEST MOUNTAIN	111,409	190.4	38,054	65.0	73,356	125.3
Arizona	27,319	169.5	9,281	57.6	18,038	111.9
Colorado	7,481	169.0	2,483	56.1	4,999	112.9
Colorado	7,408	193.8	2,496	65.3	4,912	128.5
Idaho	1,658	139.5	607	51.1	1,051	88.4
Montana	1,587	180.6	564	64.1	1,023	116.4
Nevada	2,416	150.7	754	47.1	1,661	103.6
New Mexico	2,919	170.4	1,083	63.2	1,836	107.2
Utah	3,137	156.9	1,002	50.1	2,135	106.8
Wyoming	712	148.1	292	60.6	420	87.4
PACIFIC	84,091	198.3	28,773	67.9	55,318	130.4
Alaska	1,005	165.5	411	67.7	594	97.8
California	63,632	199.6	21,616	67.2	42,215	132.4
Hawaii	2,666	225.2	948	80.1	1,718	145.1
Oregon	6,066	189.3	2,170	67.7	3,896	121.6
Washington	10,722	193.8	3,827	69.2	6,895	124.6

1/ Includes Office-based and Hospital-based full-time physicians. Also includes physicians whose activity status is unclassified according to the American Medical Association.

SOURCE: Bureau of Health Professions. Area Resource File, Feb 1998.

TABLE 224. FEDERAL AND NONFEDERAL RESIDENTS (NDS) AND RESIDENT-TO-POPULATION RATIOS BY SPECIALTY GROUP AND GEOGRAPHIC AREA, DECEMBER 31, 1996

GEOGRAPHIC AREA	TOTAL RESIDENTS	TOTAL PER 100K POPULATION	PRIMARY CARE RESIDENTS	PRIMARY CARE PER 100K POP	NON-PRIMARY CARE RESIDENTS	NON-PRIMARY CARE PER 100K POP
UNITED STATES	95,394	36.0	37,008	14.0	58,386	22.0
NORTHEAST	29,425	57.0	11,733	22.7	17,692	34.3
NEW ENGLAND	7,605	57.0	2,916	21.8	4,689	35.1
Connecticut	1,797	54.9	732	22.4	1,065	32.5
Maine	4,221	17.8	118	9.5	103	8.3
Massachusetts	4,451	73.1	1,601	26.3	2,850	46.8
New Hampshire	4,281	24.2	122	10.5	159	13.7
Rhode Island	588	59.4	251	25.4	337	34.0
Vermont	267	45.3	92	15.6	175	29.7
MIDDLE ATLANTIC	21,820	57.1	8,817	23.1	13,003	34.0
New Jersey	3,033	38.0	1,339	16.8	1,694	21.2
New York	13,028	71.6	5,299	29.1	7,729	42.5
Pennsylvania	5,759	47.8	2,179	18.1	3,580	29.7
SOUTH	28,192	30.3	10,080	10.8	18,112	19.5
SOUTH ATLANTIC	15,088	31.7	5,441	11.4	9,647	20.3
Delaware	215	29.7	91	12.6	124	17.1
District of Columbia	702	129.3	286	52.7	416	76.6
Florida	2,727	18.9	1,017	7.1	1,710	11.9
Georgia	1,893	25.7	701	9.5	1,192	16.2
Maryland	3,107	61.3	976	19.2	2,131	42.0
North Carolina	2,528	34.5	859	11.7	1,669	22.8
South Carolina	1,900	27.0	424	11.5	1,476	15.6
Virginia	2,365	35.4	847	12.7	1,518	22.7
West Virginia	551	30.2	240	13.1	311	17.0
EAST SOUTH CENTRAL	4,362	26.9	1,652	10.2	2,710	16.7
Alabama	1,086	25.4	442	10.3	644	15.1
Kentucky	1,014	26.1	362	9.3	652	16.8
Mississippi	470	17.3	181	6.7	289	10.6
Tennessee	1,792	33.7	667	12.5	1,125	21.1
WEST SOUTH CENTRAL	8,742	29.8	2,987	10.2	5,755	19.6
Arkansas	571	22.7	237	9.4	334	13.3
Louisiana	1,737	39.9	557	12.8	1,180	27.1
Oklahoma	660	20.0	249	7.5	411	12.5
Texas	5,774	30.2	1,944	10.2	3,830	20.0



TABLE 224. FEDERAL AND NONFEDERAL RESIDENTS (MDs) AND RESIDENT-TO-POPULATION RATIOS BY SPECIALTY GROUP AND GEOGRAPHIC AREA, DECEMBER 31, 1996 (Continued)

GEOGRAPHIC AREA	TOTAL RESIDENTS	TOTAL PER 100K POPULATION	PRIMARY CARE RESIDENTS	PRIMARY CARE PER 100K POP	NON-PRIMARY CARE RESIDENTS	NON-PRIMARY CARE PER 100K POP
<b>NORTH CENTRAL</b>	22,933	36.9	9,189	14.8	13,744	22.1
<b>EAST NORTH CENTRAL</b>	16,590	38.0	6,734	15.4	9,856	22.6
Illinois	5,493	46.4	2,361	19.9	3,132	26.4
Indiana	1,248	21.4	546	9.3	702	12.0
Michigan	3,997	41.7	1,512	15.8	2,485	25.9
Ohio	4,354	39.0	1,709	15.3	2,645	23.7
Wisconsin	1,498	29.0	606	11.7	892	17.3
<b>WEST NORTH CENTRAL</b>	6,343	34.3	2,455	13.3	3,888	21.1
Iowa	744	26.1	285	10.0	459	16.1
Kansas	743	28.9	302	11.7	441	17.1
Minnesota	1,947	41.8	743	16.0	1,204	25.8
Missouri	2,108	39.3	744	13.9	1,364	25.5
Nebraska	2,550	33.3	238	14.4	312	18.9
North Dakota	142	22.0	83	12.9	59	9.2
South Dakota	109	14.9	60	8.2	49	6.7
<b>WEST MOUNTAIN</b>	14,844	25.4	6,006	10.3	8,838	15.1
Arizona	3,415	21.2	1,491	9.3	1,924	11.9
Colorado	1,060	23.6	432	9.8	614	13.9
Idaho	74	27.7	468	12.2	592	15.5
Montana	26	6.2	57	4.8	17	1.4
Nevada	172	3.0	10	1.1	16	1.8
New Mexico	460	10.7	99	6.2	73	4.6
Utah	528	26.9	188	11.0	272	15.9
Wyoming	49	26.4	198	9.9	330	16.5
<b>PACIFIC</b>	11,429	10.2	39	8.1	10	2.1
Alaska	30	27.0	4,515	10.6	6,914	16.3
California	8,974	4.9	12	2.0	18	3.0
Hawaii	394	28.2	3,508	11.0	5,466	17.1
Oregon	624	33.3	150	12.7	244	20.6
Washington	1,407	19.5	280	8.7	344	10.7
		25.4	565	10.2	842	15.2

SOURCE: Bureau of Health Professions. Area Resource File, February 1998.

TABLE 301. PROFESSIONALLY ACTIVE AND PRIVATE PRACTICE DENTISTS AND DENTIST-TO-POPULATION RATIOS, SELECTED YEARS 1975-1996

YEAR	NUMBER OF DENTISTS		TOTAL POPULATION (THOUSANDS)	DENTISTS PER 100,000 POPULATION	
	PROFESSIONALLY ACTIVE	PRIVATE PRACTICE		TOTAL	ACTIVE
1975	107,100	97,000	217,095	49.3	44.7
1976	110,300	100,100	219,179	50.3	45.7
1977	113,600	103,400	221,477	51.3	46.7
1978	117,000	106,700	223,865	52.3	47.7
1979	119,400	109,000	226,451	52.7	48.1
1980	121,900	111,300	228,937	53.2	48.6
1981	124,400	113,800	231,157	53.8	49.2
1982	127,000	116,200	233,322	54.4	49.8
1983	129,100	118,200	235,385	54.8	50.2
1984	131,300	120,200	237,468	55.3	50.6
1985	133,500	122,200	239,638	55.7	51.0
1986	135,700	124,300	241,784	56.1	51.4
1987	138,000	126,400	243,981	56.6	51.8
1988	141,100	129,200	246,224	57.3	52.5
1989	144,300	132,100	248,659	58.0	53.1
1990	147,500	135,100	251,340	58.7	53.8
1991	150,800	138,100	254,020	59.4	54.4
1992	151,100	138,700	256,862	58.8	54.0
1993	151,400	139,300	259,479	58.3	53.7
1994	152,000	140,800	261,977	58.0	53.7
1995	153,300	141,400	264,432	58.0	53.5
1996	154,900	142,100	266,755	58.1	53.3

SOURCE: Estimated by Health Resources and Services Administration, Bureau of Health Professions, Office of Research and Planning based on data from the American Dental Association Dental Manpower Model: 1995-2020.  
U.S. Bureau of the Census. Current Population Reports, Series P-25 Nos. 1045, 1113, and 1128. Statistical Abstract of the United States, 1997 edition.

TABLE 302. PROFESSIONALLY ACTIVE DENTISTS AND DENTIST-TO-POPULATION RATIOS BY GEOGRAPHIC AREA, DECEMBER 31, 1995

GEOGRAPHIC AREA	PROFESSIONALLY ACTIVE DENTISTS		DENTISTS PER 100,000 POPULATION
	NUMBER	RATIO	
UNITED STATES	153,346	58.3	
NORTHEAST	37,125	72.1	
NEW ENGLAND	9,233	69.4	
Connecticut	2,571	78.6	
Maine	586	47.3	
Massachusetts	4,532	74.6	
New Hampshire	640	55.7	
Rhode Island	575	58.0	
Vermont	329	56.2	
MIDDLE ATLANTIC	27,892	73.0	
New Jersey	6,084	76.5	
New York	14,077	77.4	
Pennsylvania	7,731	64.1	
SOUTH	45,065	49.0	
SOUTH ATLANTIC	24,041	51.1	
Delaware	343	47.8	
District of Columbia	674	121.4	
Florida	7,080	49.9	
Georgia	3,169	44.0	
Maryland	3,682	73.1	
North Carolina	3,016	41.9	
South Carolina	1,597	43.6	
Virginia	3,654	55.2	
West Virginia	826	45.3	
EAST SOUTH CENTRAL	7,592	47.3	
Alabama	1,803	42.5	
Kentucky	2,103	54.5	
Mississippi	1,023	37.9	
Tennessee	2,663	50.8	
WEST SOUTH CENTRAL	13,432	46.5	
Arkansas	999	40.2	
Louisiana	2,042	47.1	
Oklahoma	1,617	49.4	
Texas	8,774	46.7	

TABLE 302. PROFESSIONALLY ACTIVE DENTISTS AND DENTIST-TO-POPULATION RATIOS BY GEOGRAPHIC AREA, DECEMBER 31, 1995 (Continued)

GEOGRAPHIC AREA	ACTIVE CIVILIAN DENTISTS	DENTISTS PER 100,000 POPULATION
<b>NORTH CENTRAL</b>	35,205	57.0
<b>EAST NORTH CENTRAL</b>	25,154	58.0
Illinois	7,803	66.2
Indiana	2,731	47.1
Michigan	5,750	60.3
Ohio	5,893	52.9
Wisconsin	2,977	58.1
<b>WEST NORTH CENTRAL</b>	10,051	54.8
Iowa	1,524	53.6
Kansas	1,288	50.2
Minnesota	2,859	62.0
Missouri	2,666	50.1
Nebraska	1,046	63.8
North Dakota	324	50.5
South Dakota	344	47.1
<b>WEST</b>	35,557	61.6
<b>MOUNTAIN</b>	8,293	52.7
Arizona	2,003	46.5
Colorado	2,509	66.9
Idaho	584	50.1
Montana	475	54.6
Nevada	570	37.2
New Mexico	725	42.9
Utah	1,184	60.5
Wyoming	243	50.7
<b>PACIFIC</b>	27,264	65.0
Alaska	431	71.5
California	20,509	65.0
Hawaii	970	82.3
Oregon	2,075	65.9
Washington	3,279	60.2
State Unknown	394	

SOURCE: Estimated by the Bureau of Health Professions based on unpublished data from the American Dental Association.

TABLE 303. NUMBER OF DENTAL SCHOOL APPLICANTS AND FIRST-YEAR ENROLLMENTS,  
SELECTED ACADEMIC YEARS 1960-61 TO 1997-98

ACADEMIC YEAR	NUMBER OF APPLICANTS	NUMBER OF FIRST-YEAR STUDENTS	NUMBER OF APPLICANTS PER FIRST-YEAR STUDENT 1/	PERCENT OF APPLICANTS ENROLLED 1/
1960-61	4,664	3,616	1.3	77
1970-71	8,878	4,565	1.9	51
1975-76	15,734	5,763	2.7	37
1976-77	14,807	5,935	2.5	40
1977-78	12,837	5,954	2.2	45
1978-79	10,766	6,301	1.7	59
1979-80	10,000	6,132	1.6	61
1980-81	9,601	6,050	1.6	63
1981-82	8,852	5,855	1.5	65
1982-83	7,724	5,498	1.4	69
1983-84	7,128	5,274	1.4	71
1984-85	6,490	5,047	1.3	75
1985-86	6,216	4,843	1.3	75
1986-87	5,724	4,554	1.3	75
1987-88	5,597	4,370	1.3	78
1988-89	5,019	4,196	1.3	79
1989-90	4,996	3,979	1.3	78
1990-91	5,123	4,001	1.3	75
1991-92	5,632	4,047	1.5	65
1992-93	6,108	4,072	1.7	59
1993-94	6,753	4,100	1.7	59
1994-95	7,713	4,121	1.9	53
1995-96	8,437	4,237	2.0	49
1996-97	8,872	4,255	2.2	46
1997-98	9,829	4,347	2.3	43

1/ Applicant per first-year student ratio and the percent of applicants enrolled are computed using only new first-year students.

SOURCE: American Association of Dental Schools. Dean's Briefing Book and Unpublished data. American Dental Association. 1997/98 Survey of Predoctoral Dental Education Institutions Annual Report. Chicago, 1998. Also prior annual reports.

TABLE 304. NUMBER OF DENTAL SCHOOLS, STUDENTS, AND GRADUATES, SELECTED ACADEMIC YEARS 1950-51 TO 1997-98

ACADEMIC YEAR	NUMBER OF SCHOOLS	STUDENTS		GRADUATES 1/
		TOTAL	FIRST YEAR	
1950-51	42	11,891	3,226	2,830
1960-61	47	13,580	3,616	3,290
1970-71	53	16,553	4,565	3,775
1975-76	59	20,767	5,763	5,336
1976-77	59	21,013	5,935	5,177
1977-78	59	21,510	5,954	5,324
1978-79	60	22,179	6,301	5,424
1979-80	60	22,482	6,132	5,256
1980-81	60	22,842	6,030	5,550
1981-82	60	22,621	5,855	5,371
1982-83	60	22,235	5,498	5,756
1983-84	60	21,428	5,274	5,337
1984-85	60	20,588	5,047	5,353
1985-86	60	19,563	4,843	4,957
1986-87	59	18,673	4,554	4,744
1987-88	59	17,885	4,370	4,581
1988-89	58	17,094	4,196	4,312
1989-90	58	16,412	3,979	4,233
1990-91	56	15,951	4,001	3,995
1991-92	55	15,882	4,047	3,918
1992-93	55	15,980	4,072	3,778
1993-94	54	16,250	4,100	3,875
1994-95	54	16,353	4,121	3,908
1995-96	54	16,552	4,237	3,810
1996-97	54	16,570	4,255	3,930
1997-98	55	16,926	4,347	N/A

1/ Graduate data are for the ending year of the academic year. For example, graduate data reported for academic year 1996-97 are for 1997 dental school graduates.

SOURCE: American Dental Association, Council on Dental Education. Dental Students' Register; 1997/98 Survey of Predoctoral Dental Educational Institutions Annual Report, Chicago, 1998. Also prior annual reports.

TABLE 305. FIRST-YEAR ENROLLMENTS IN DENTAL SCHOOLS BY RACE AND ETHNICITY, ACADEMIC YEARS 1980-81 TO 1996-97

ACADEMIC YEAR	TOTAL 1/	TOTAL MINORITIES 2/	UNDERREPRESENTED MINORITIES 3/		BLACK	HISPANIC 1/	AMERICAN INDIAN	ASIAN	WHITE
			NUMBER	PERCENT					
1980-81	6,030	772	455	7.5	283	226	12	317	5,192
1981-82	5,855	876	503	8.6	299	249	21	373	4,913
1982-83	5,498	879	492	8.9	289	252	16	387	4,610
1983-84	5,274	873	467	8.9	276	239	19	406	4,334
1984-85	5,047	981	516	10.2	299	264	17	465	4,002
1985-86	4,843	1,039	543	11.2	281	312	16	496	3,738
1986-87	4,554	1,050	551	12.1	286	316	9	499	3,444
1987-88	4,370	1,240	604	13.8	280	358	20	636	3,076
1988-89	4,196	1,258	577	13.8	288	316	21	681	2,890
1989-90	3,979	1,169	521	13.1	263	284	15	648	2,769
1990-91	4,001	1,156	515	12.9	265	280	10	641	2,805
1991-92	4,047	1,214	499	12.3	255	274	11	715	2,792
1992-93	4,072	1,191	459	11.3	277	209	16	732	2,838
1993-94	4,100	1,281	459	11.2	265	218	16	822	2,779
1994-95	4,121	1,320	436	10.6	267	192	20	884	2,758
1995-96	4,237	1,450	437	10.3	252	206	26	1,013	2,740
1996-97	4,255	1,416	422	9.9	243	207	23	994	2,788

1/ Includes students from the University of Puerto Rico.

2/ Excludes students from the University of Puerto Rico.

3/ Excludes Asians, and students from the University of Puerto Rico.

SOURCE: American Dental Association. 1996-97 Survey of Predoctoral Dental Educational Institutions Annual Report. Chicago, 1997. Also prior annual reports.

TABLE 306. TOTAL ENROLLMENTS IN DENTAL SCHOOLS BY RACE AND ETHNICITY, ACADEMIC YEARS 1980-81 TO 1996-97

ACADEMIC YEAR	TOTAL 1/	TOTAL MINORITIES 2/	UNDERREPRESENTED MINORITIES 3/ NUMBER	PERCENT	BLACK	HISPANIC 1/	AMERICAN INDIAN	ASIAN	WHITE
1980-81	22,842	2,634	1,594	7.0	1,022	780	53	1,040	19,947
1981-82	22,621	2,839	1,643	7.3	999	847	61	1,196	19,518
1982-83	22,235	3,024	1,701	7.7	1,001	896	65	1,323	18,950
1983-84	21,428	3,024	1,667	7.8	1,000	862	64	1,357	18,145
1984-85	20,588	3,408	1,816	8.8	1,037	980	60	1,592	16,919
1985-86	19,563	3,531	1,859	9.5	1,019	1,056	50	1,672	15,766
1986-87	18,673	3,687	1,882	10.1	1,032	1,064	56	1,805	14,716
1987-88	17,885	4,101	2,002	11.2	994	1,201	60	2,099	13,531
1988-89	17,094	4,411	2,085	12.2	984	1,276	63	2,326	12,445
1989-90	16,412	4,497	2,104	12.8	983	1,278	57	2,393	11,701
1990-91	15,951	4,585	2,066	13.0	940	1,254	53	2,519	11,185
1991-92	15,882	4,563	1,978	12.5	907	1,187	51	2,585	11,152
1992-93	15,980	4,626	1,976	12.4	943	1,152	48	2,650	11,187
1993-94	16,250	4,837	1,991	12.3	972	1,141	50	2,846	11,241
1994-95	16,353	4,852	1,776	10.9	928	967	56	3,076	11,326
1995-96	16,552	5,245	1,812	10.9	951	966	73	3,433	11,129
1996-97	16,570	5,470	1,628	9.8	951	824	83	3,612	11,100

1/ Includes students from the University of Puerto Rico.

2/ Excludes students from the University of Puerto Rico.

3/ Excludes Asians, and students from the University of Puerto Rico.

SOURCE: American Dental Association. 1996-97 Survey of Predoctoral Dental Educational Institutions. Chicago, 1997. Also prior annual reports.



TABLE 307. GRADUATES FROM DENTAL SCHOOLS BY RACE AND ETHNICITY, 1980 TO 1997

YEAR	TOTAL 1/	TOTAL MINORITIES 2/	UNDERREPRESENTED MINORITIES 3/ NUMBER	PERCENT	BLACK	HISPANIC 1/	AMERICAN INDIAN	ASIAN	WHITE
1980	5,256	520	323	6.1	190	182	14	197	4,673
1981	5,550	564	318	5.7	214	145	14	246	4,931
1982	5,371	614	349	6.5	227	177	12	265	4,690
1983	5,756	517	356	6.2	200	210	12	215	5,119
1984	5,337	660	356	6.7	219	192	9	304	4,613
1985	5,353	767	389	7.3	223	213	17	378	4,522
1986	4,957	737	355	7.2	195	208	10	382	4,162
1987	4,744	775	379	8.0	210	231	11	396	3,896
1988	4,581	859	400	8.7	227	221	14	459	3,660
1989	4,312	959	438	10.2	193	296	14	521	3,288
1990	4,233	998	474	11.2	216	320	8	524	3,165
1991	3,995	1,084	507	12.7	204	348	12	577	2,854
1992	3,918	1,084	444	11.3	174	296	12	640	2,796
1993	3,778	1,078	437	11.6	171	288	12	607	2,700
1994	3,875	1,102	464	12.0	194	292	13	603	2,773
1995	3,908	1,128	468	12.0	201	300	8	660	2,739
1996	3,810	1,116	381	10.0	205	209	9	693	2,694
1997	3,930	1,196	404	10.3	201	210	18	767	2,734

1/ Includes students from the University of Puerto Rico.

2/ Excludes students from the University of Puerto Rico.

3/ Excludes Asians, and students from the University of Puerto Rico.

SOURCE: American Dental Association. 1997-98 Survey of Predoctoral Dental Educational Institutions Annual Report. Chicago, 1998. Also prior annual reports.

TABLE 308. FIRST-YEAR AND TOTAL ENROLLMENTS AND GRADUATES IN SCHOOLS OF DENTISTRY  
BY GENDER, ACADEMIC YEARS 1985-86 TO 1996-97

ACADEMIC YEAR	NUMBER OF SCHOOLS	FIRST-YEAR ENROLLMENTS			TOTAL ENROLLMENTS			GRADUATES 1/		
		TOTAL	WOMEN	PERCENT WOMEN	TOTAL	WOMEN	PERCENT WOMEN	TOTAL	WOMEN	PERCENT WOMEN
1985-86	60	4,843	1,324	27.3	19,563	4,944	25.3	4,957	1,076	21.7
1986-87	59	4,554	1,387	30.5	18,673	5,068	27.1	4,744	1,110	23.4
1987-88	59	4,370	1,410	32.3	17,885	5,253	29.4	4,581	1,230	26.9
1988-89	58	4,196	1,395	33.2	17,094	5,265	30.8	4,312	1,188	27.6
1989-90	58	3,979	1,367	34.4	16,412	5,358	32.6	4,233	1,304	30.8
1990-91	56	4,001	1,522	38.0	15,951	5,490	34.4	3,995	1,299	32.5
1991-92	55	4,047	1,468	36.3	15,882	5,656	35.6	3,918	1,308	33.4
1992-93	55	4,072	1,435	35.2	15,980	5,804	36.3	3,778	1,333	35.3
1993-94	54	4,100	1,503	36.7	16,250	5,998	36.9	3,875	1,519	39.2
1994-95	54	4,121	1,504	36.5	16,353	5,965	36.5	3,908	1,407	36.0
1995-96	54	4,237	1,498	35.4	16,552	6,070	36.7	3,810	1,387	36.4
1996-97	54	4,255	1,605	37.7	16,570	6,108	36.9	3,930	1,450	36.9

1/ Graduate data are for the ending year of the academic year. For example, graduate data reported for academic year 1996-97 are for 1997 dental school graduates.

SOURCE: American Dental Association. 1997/98 Survey of Predoctoral Dental Educational Institutions Annual Report. Chicago, 1998. Also prior annual reports.

TABLE 401. ESTIMATED NUMBER OF REGISTERED NURSES EMPLOYED IN NURSING BY HIGHEST EDUCATIONAL PREPARATION  
DECEMBER 31, 1980-1996

YEAR	HIGHEST EDUCATIONAL PREPARATION					TOTAL RNS PER 100,000 POPULATION 1/	FTE RN SUPPLY	FTE RNS PER 100,000 POPULATION 1/
	TOTAL	ASSOCIATE/ DIPLOMA	BACCA- LAUREATE	MASTER'S & ABOVE	TOTAL RNS PER 100,000 POPULATION 1/			
1980	1,272,900	908,300	297,300	67,300	555	1,068,000	465	
1981	1,326,700	932,700	321,100	73,000	573	1,112,700	480	
1982	1,379,300	955,700	345,700	77,900	590	1,155,700	494	
1983	1,436,100	980,400	372,700	83,000	609	1,202,600	510	
1984	1,485,700	997,300	397,600	90,900	624	1,234,900	519	
1985	1,538,100	1,024,500	419,900	93,700	641	1,282,100	534	
1986	1,589,600	1,048,000	442,700	99,000	656	1,330,100	549	
1987	1,627,000	1,054,300	468,900	103,800	665	1,363,600	558	
1988	1,678,700	1,070,200	496,000	112,500	680	1,409,600	571	
1989	1,730,900	1,087,000	521,800	122,100	694	1,456,000	584	
1990	1,789,600	1,107,300	549,000	133,300	710	1,508,300	598	
1991	1,853,000	1,132,200	574,800	146,000	727	1,564,500	614	
1992	1,907,100	1,158,400	594,200	154,600	740	1,646,100	639	
1993	1,975,800	1,193,600	618,000	164,200	759	1,701,100	653	
1994	2,044,000	1,227,000	643,100	173,900	778	1,764,500	671	
1995	2,115,800	1,235,100	673,200	207,500	798	1,813,100	683	
1996 2/	2,161,700	1,252,600	693,200	215,900	808	1,891,300	707	

FTE = Full-time equivalent  
1/ Ratios based on U.S. resident population as of July 1 as reported by the Bureau of the Census, December 1997.  
2/ Preliminary estimates.

SOURCE: Division of Nursing, Bureau of Health Professions, Health Resources and Services Administration, December 1997.

TABLE 402. ESTIMATED SUPPLY OF REGISTERED NURSES BY GEOGRAPHIC AREA  
DECEMBER 31, 1996

GEOGRAPHIC AREA	TOTAL REGISTERED NURSES 1/	RNS PER 100,000 POP 2/
United States	2,161,700	808
New England	147,900	1,105
Connecticut	33,400	1,021
Maine	13,300	1,071
Massachusetts	75,300	1,198
New Hampshire	11,200	955
Rhode Island	11,400	1,155
Vermont	5,300	900
Middle Atlantic	361,100	945
New Jersey	67,100	833
New York	167,600	924
Pennsylvania	126,300	1,051
South Atlantic	391,200	811
Delaware	7,700	1,052
District of Columbia	8,900	1,682
Florida	119,300	1,814
Georgia	53,600	716
Maryland	43,000	844
North Carolina	62,000	835
South Carolina	27,400	729
Virginia	54,400	808
West Virginia	15,000	826
East South Central	129,600	794
Alabama	32,800	759
Kentucky	30,400	778
Mississippi	19,900	729
Tennessee	46,400	864
West South Central	194,200	655
Arkansas	17,900	709
Louisiana	32,400	744
Oklahoma	19,600	591
Texas	124,200	639

TABLE 402. ESTIMATED SUPPLY OF REGISTERED NURSES BY GEOGRAPHIC AREA  
DECEMBER 31, 1996 (Continued)

GEOGRAPHIC AREA	TOTAL REGISTERED NURSES 1/	RNS PER 100,000 POP 2/
East North Central	377,900	861
Illinois	104,700	880
Indiana	46,900	800
Michigan	79,600	814
Ohio	101,200	905
Wisconsin	45,600	882
West North Central	177,900	958
Iowa	29,100	1,020
Kansas	21,600	832
Minnesota	46,200	986
Missouri	51,200	948
Nebraska	15,200	917
North Dakota	7,000	1,092
South Dakota	7,700	1,043
Mountain	117,000	710
Arizona	33,200	729
Colorado	30,900	794
Idaho	7,100	587
Montana	7,100	808
Nevada	9,900	590
New Mexico	11,700	676
Utah	13,000	631
Wyoming	4,200	875
Pacific	264,900	617
Alaska	6,300	1,034
California	179,700	557
Hawaii	8,900	750
Oregon	26,500	817
Washington	43,500	775

1/ Estimated numbers may not add to total because of rounding.

2/ Ratios are based on estimates of U.S. resident population as of July 1, 1997.

SOURCE: Estimates prepared by Division of Nursing, Bureau of Health Professions, Health Resources and Services Administration, 1996.

TABLE 403. FIELD OF EMPLOYMENT AND TYPE OF POSITION FOR EMPLOYED REGISTERED NURSES, MARCH 1996

Field of employment	Total 1/ Managers 2/	Staff Nurse	Nurse Practitioner/ Midwife	Clinical Nurse Specialist	Nurse Clinician	Certified Nurse Anesthetist	Instructor	Consultant/ Researcher	Private Duty	Other
Total	2,115,815	1,309,596	44,904	35,620	30,396	21,827	73,084	39,685	15,947	211,518
Hospital	1,270,870	949,758	11,589	21,441	18,546	19,183	17,750	9,788	1,000	81,756
Nursing home/extended care facility	170,856	71,966	1,046	697	618	--	5,942	2,899	1,062	16,278
Nursing education	48,918	1,833	181	216	--	--	39,991	316	--	666
Community/public health	278,141	114,501	9,455	4,770	4,792	--	2,449	5,494	11,572	62,636
Student health service	62,932	51,590	2,602	455	326	--	1,899	1,393	62	1,806
Occupational health	21,575	8,124	623	174	487	--	36	1,910	96	4,807
Ambulatory care setting employee	178,930	93,308	18,817	6,383	4,822	2,598	1,053	4,906	104	14,568
Other	82,635	18,405	393	1,483	767	46	3,965	12,934	2,050	28,845
Not Known	957	111	199	--	37	--	--	42	--	156

1/ Includes an estimated 2,422 nurses whose type of position is not known.

2/ Includes Administrators, Supervisors, and Head Nurses.

Note: Individual items may not add to total due to rounding.

SOURCE: U.S. Department of Health and Human Services, Division of Nursing. National Sample Survey of Registered Nurses, March 1996.

TABLE 404. REGISTERED NURSES EMPLOYED IN NURSING BY GENDER AND RACE/ETHNICITY, SELECTED YEARS 1984-1996

Gender, Race/ Ethnicity	November 1984		March 1988		March 1992		March 1996	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Total	1,485,725	100.0	1,627,035	100.0	1,853,024	100.0	2,115,815	100.0
Gender								
Male	49,658	3.3	58,242	3.6	79,557	4.3	113,683	5.4
Female	1,436,067	96.7	1,566,952	96.3	1,772,395	95.6	2,001,399	94.6
Not known	0	0.0	1,840	0.1	1,073	0.1	734	1/
Race/Ethnicity								
White (non-Hispanic)	1,329,118	89.5	1,479,093	90.9	1,655,704	89.4	1,885,532	89.1
Black (non-Hispanic)	67,175	4.5	65,304	4.0	80,568	4.3	91,157	4.3
Asian/Pacific Islander	44,813	3.0	44,210	2.7	69,973	3.8	79,152	3.7
American Indian/ Alaskan Native	4,996	0.3	7,129	0.4	8,162	0.4	10,510	0.5
Hispanic	23,390	1.6	22,140	1.4	27,470	1.5	35,804	1.7
Not known	16,233	1.1	9,159	0.6	11,147	0.6	13,661	0.6

1/ Less than 0.1 percent.

Note: Estimated numbers and percents may not add to total because of rounding.

Source: U.S. Department of Health and Human Services, Division of Nursing. National Sample Survey of Registered Nurses, March 1996. Also prior surveys.

TABLE 405. NUMBER OF BASIC RN PROGRAMS, STUDENTS AND GRADUATES, SELECTED ACADEMIC YEARS 1950-51 TO 1996-97

ACADEMIC YEAR	PROGRAMS 1/	ENROLLMENTS 1/	ADMISSIONS 2/	GRADUATES 2/
1950-51 3/	1,170	102,509	41,667	28,794
1960-61	1,114	118,163	49,219	30,019
1970-71	1,340	162,924	78,524	46,455
1975-76	1,362	248,171	112,174	77,065
1976-77	1,358	247,044	112,523	77,755
1977-78	1,356	245,390	110,950	77,874
1978-79	1,358	239,486	107,476	77,132
1979-80	1,374	234,659	105,952	75,523
1980-81	1,385	230,966	110,201	73,985
1981-82	1,401	234,995	115,279	74,052
1982-83	1,432	242,035	120,579	77,408
1983-84	1,466	250,553	123,824	80,312
1984-85	1,477	237,232	118,224	82,075
1985-86	1,473	217,955	100,791	77,027
1986-87	1,469	193,712	90,693	70,561
1987-88	1,465	182,947	94,269	64,839
1988-89	1,442	184,924	103,025	61,660
1989-90	1,457	201,458	108,580	66,088
1990-91	1,470	221,170	113,526	72,230
1991-92	1,484	237,598	122,656	80,839
1992-93	1,484	257,983	126,837	88,149
1993-94	1,493	270,228	129,897	94,870
1994-95	1,501	268,350	127,184	97,052
1995-96	1,516	261,219	119,205	94,757
1996-97	1,508	238,244	NA	NA

1/ As of October 15.

2/ Time period is from September 1 to August 31 for academic year 1960-61, and August 1 to July 31 for subsequent years.

3/ Number of programs and enrollments are as of January 1, 1951; Admissions and graduations are for calendar year 1951.

SOURCE: National League for Nursing. Nursing Datasource, Vol 1, 1992 and 1997 editions. State-Approved Schools of Professional Nursing, 1961 and 1962 editions. State-Approved Schools of Nursing-RN, 1971 and 1972 editions; American Nurses Association. Facts About Nursing 1952.



TABLE 406. NUMBER OF ASSOCIATE DEGREE NURSING PROGRAMS, STUDENTS AND GRADUATES,  
ACADEMIC YEARS 1975-76 TO 1996-97

ACADEMIC YEAR	PROGRAMS 1/	ENROLLMENTS 1/	ADMISSIONS 2/	GRADUATES 2/
1975-76	608	88,121	52,232	34,625
1976-77	632	91,004	53,610	36,289
1977-78	645	91,102	52,991	36,556
1978-79	666	91,527	53,366	36,264
1979-80	678	92,069	53,633	36,034
1980-81	697	94,060	56,899	36,712
1981-82	715	100,019	60,423	38,289
1982-83	742	105,324	63,947	41,849
1983-84	764	109,605	66,576	44,394
1984-85	777	104,968	63,776	45,208
1985-86	776	96,756	56,635	41,333
1986-87	776	89,469	54,530	38,528
1987-88	789	90,399	57,375	37,397
1988-89	792	95,986	63,973	37,837
1989-90	812	106,175	68,634	42,318
1990-91	829	117,413	69,869	46,794
1991-92	838	123,816	74,079	52,896
1992-93	848	132,603	75,382	56,770
1993-94	857	137,300	77,343	58,839
1994-95	868	135,895	76,016	58,749
1995-96	876	135,235	72,930	56,641
1996-97	876	122,242	NA	NA

1/ As of October 15 of each year.

2/ Time period for the academic year is August 1 through July 31.

SOURCE: National League for Nursing. Nursing Datasource, Vol 1, 1992 and 1997 editions.

TABLE 407. NUMBER OF DIPLOMA NURSING PROGRAMS, STUDENTS AND GRADUATES,  
ACADEMIC YEARS 1975-76 TO 1996-97

ACADEMIC YEAR	PROGRAMS 1/	ENROLLMENTS 1/	ADMISSIONS 2/	GRADUATES 2/
1975-76	428	60,213	23,622	19,861
1976-77	390	56,091	22,243	18,014
1977-78	367	52,858	20,611	17,131
1978-79	344	48,059	18,499	15,820
1979-80	333	43,651	16,905	14,495
1980-81	311	41,048	17,494	12,903
1981-82	303	41,009	18,928	11,682
1982-83	288	42,348	19,368	11,704
1983-84	281	42,007	17,848	12,200
1984-85	273	37,256	14,875	11,892
1985-86	256	30,179	9,846	10,524
1986-87	238	22,641	8,337	8,272
1987-88	209	18,927	8,389	5,938
1988-89	171	18,860	10,010	4,826
1989-90	157	20,418	10,088	5,199
1990-91	152	21,969	10,220	6,172
1991-92	145	22,905	10,691	6,528
1992-93	135	23,252	10,165	6,937
1993-94	129	22,235	9,601	7,119
1994-95	124	19,796	7,717	7,049
1995-96	119	16,479	6,227	5,703
1996-97	109	12,789	NA	NA

1/ As of October 15 of each year.

2/ Time period for the academic year is August 1 through July 31.

SOURCE: National League for Nursing. Nursing Datasource, Vol 1, 1992 and 1997 editions.

TABLE 408. NUMBER OF BASIC BACCALAUREATE NURSING PROGRAMS, STUDENTS AND GRADUATES,  
ACADEMIC YEARS 1975-76 TO 1996-97

ACADEMIC YEAR	PROGRAMS 1/	ENROLLMENTS 1/	ADMISSIONS 2/	GRADUATES 2/
1975-76	326	99,837	36,320	22,579
1976-77	336	99,949	36,670	23,452
1977-78	344	101,430	37,348	24,187
1978-79	348	99,900	35,611	25,048
1979-80	363	98,939	35,414	24,994
1980-81	377	95,858	35,808	24,370
1981-82	383	93,967	35,928	24,081
1982-83	402	94,363	37,264	23,855
1983-84	421	98,941	39,400	23,718
1984-85	427	95,008	39,573	24,975
1985-86	441	91,020	34,310	25,170
1986-87	455	81,602	28,026	23,761
1987-88	467	73,621	28,505	21,504
1988-89	479	70,078	29,042	18,997
1989-90	488	74,865	29,858	18,571
1990-91	489	81,788	33,437	19,264
1991-92	501	90,877	37,886	21,415
1992-93	501	102,128	41,290	24,442
1993-94	507	110,693	42,953	28,912
1994-95	509	112,659	43,451	31,254
1995-96	521	109,505	40,048	32,413
1996-97	523	103,213	NA	NA

NOTE: Includes programs and students in generic master's and doctoral programs, where such are in existence.

1/ As of October 15 of each year.

2/ Time period for the academic year is August 1 through July 31.

SOURCE: National League for Nursing. Nursing Datasource, Vol 1, 1992 and 1997 editions.

TABLE 409. ESTIMATED NUMBER OF EMPLOYED LICENSED PRACTICAL NURSES, 1983-1991

YEAR	EMPLOYED LPNS 1/
1983	539,000
1984	546,000
1985	553,000
1986	545,000
1987	530,000
1988	537,000
1989	550,000
1990	540,000
1991	555,000

1/ Estimates based on data from National Sample Survey of Licensed Practical/Vocational Nurses, November 1983, and Licensure & Examination Statistics, National Council of State Boards of Nursing, annual editions.

SOURCE: Estimates prepared by the Division of Nursing, Bureau of Health Professions.

TABLE 410. NUMBER OF PRACTICAL NURSING PROGRAMS, STUDENTS AND GRADUATES,  
SELECTED ACADEMIC YEARS 1950-51 TO 1995-96

ACADEMIC YEAR	PROGRAMS 1/	ENROLLMENTS 1/	ADMISSIONS 2/	GRADUATES 2/
1950-51 3/	144	4,325	5,097	2,828
1960-61 4/	683	23,587	24,675	16,422
1970-71	1,233	52,526	59,128	37,954
1975-76	1,315	58,460	61,353	47,145
1976-77	1,318	58,423	60,166	46,614
1977-78	1,319	56,943	60,610	45,350
1978-79	1,310	54,543	57,081	44,235
1979-80	1,298	52,202	56,316	41,892
1980-81	1,299	52,565	58,479	41,002
1981-82	1,309	55,024	60,426	43,299
1982-83	1,295	57,367	61,453	45,174
1983-84	1,297	55,446	57,865	44,654
1984-85	1,254	48,840	47,034	36,955
1985-86	1,165	39,345	44,477	29,599
1986-87	1,087	38,510	42,452	27,285
1987-88	1,068	40,035	43,774	26,912
1988-89	1,095	42,808	47,602	30,368
1989-90	1,171	46,720	52,969	35,417
1990-91	1,154	52,749	56,176	38,100
1991-92	1,125	56,762	58,245	41,951
1992-93	1,154	59,095	60,749	44,822
1993-94	1,159	61,007	60,632	45,083
1994-95	1,185	59,428	57,906	44,234
1995-96	1,210	56,028	NA	NA

1/ As of October 15 of each year.

2/ Time period is from September 1 through August 31 for academic year 1960-61 and August 1 through July 31 for subsequent years.

3/ Number of programs are as of 12/31/50, enrollments are as of 1/1/51 and admission and graduations are for calendar year 1950.

4/ Number of programs are as of 8/31/61.

SOURCE: National League for Nursing, Nursing Odatasource, Vol III, 1996. State-Approved Schools of Practical and Vocational Nursing, 1962; American Nurses Association. Facts About Nursing, 1951.

TABLE 501. ESTIMATED NUMBER OF ACTIVE OPTOMETRISTS AND OPTOMETRIST-TO-POPULATION RATIOS, SELECTED YEARS 1950-1996

YEAR	ALL ACTIVE OPTOMETRISTS 1/	TOTAL POPULATION (THOUSANDS)	OPTOMETRISTS PER 100,000 TOTAL POP
1950	14,800	153,622	9.6
1955	15,400	167,513	9.2
1960	16,100	182,287	8.8
1965	17,300	195,539	8.8
1970	18,400	206,466	8.9
1975	19,900	217,095	9.2
1980	21,900	228,937	9.6
1981	22,300	231,157	9.6
1982	22,700	233,322	9.7
1983	23,100	235,385	9.8
1984	23,600	237,468	9.9
1985	24,000	239,638	10.0
1986	24,300	241,784	10.1
1987	24,700	243,981	10.1
1988	25,100	246,224	10.2
1989	25,500	248,659	10.3
1990	26,000	251,340	10.3
1991	26,500	254,020	10.4
1992	27,000	256,862	10.5
1993	27,600	259,479	10.6
1994	28,300	261,977	10.8
1995	28,900	264,432	10.9
1996	29,500	266,755	11.1

1/ Includes optometrists in Federal service.

SOURCE: U.S. Department of Health, Education, and Welfare, National Center for Health Statistics. Health Resources Statistics 1976-77, DHEW Pub No (PHS) 79-1509, 1979; Bureau of Health Professions, Division of Associated, Dental and Public Health Professions; American Optometric Association; U.S. Bureau of the Census. Current Population Reports Series P-25 1113, 1128, and 1130. Monthly Estimates of the United States Population: April 1, 1980 to January 1, 1997.

TABLE 502. NUMBER OF SCHOOLS OF OPTOMETRY, STUDENTS AND GRADUATES, SELECTED ACADEMIC YEARS 1960-61 TO 1996-97

ACADEMIC YEAR	NUMBER OF SCHOOLS	STUDENTS			GRADUATES
		TOTAL	FIRST YEAR		
1960-61	10	1,101	407		316
1970-71	11	2,831	884		528
1975-76	12	3,888	1,057		906
1976-77	12	4,033	1,111		925
1977-78	12	4,209	1,140		928
1978-79	13	4,436	1,180		1,056
1979-80	14	4,517	1,202		1,073
1980-81	16	4,641	1,258		1,092
1981-82	17	4,729	1,249		1,106
1982-83	17	4,646	1,147		1,166
1983-84	17	4,652	1,219		1,188
1984-85	17	4,569	1,187		1,114
1985-86	17	4,562	1,251		1,085
1986-87	17	4,636	1,234		1,081
1987-88	17	4,646	1,268		1,106
1988-89	17	4,708	1,271		1,143
1989-90	17	4,723	1,258		1,115
1990-91	17	4,760	1,239		1,224
1991-92	17	4,864	1,355		1,150
1992-93	17	5,078	1,395		1,167
1993-94	17	MA	1,351		1,125
1994-95	17	5,201	1,390		1,219
1995-96 1/	17	5,312	1,438		1,210
1996-97 1/	17	5,210	1,362		N/A

1/ Data for St. Louis University are not included in 1995-96 graduate and 1996-97 first-year and total enrollment figures.

SOURCE: Association of Schools and Colleges of Optometry; American Optometric Association.

TABLE 503. ESTIMATED NUMBER OF ACTIVE PHARMACISTS AND PHARMACIST-TO-POPULATION RATIOS, SELECTED YEARS 1950-1996

YEAR	ALL ACTIVE PHARMACISTS 1/	TOTAL POPULATION (THOUSANDS)	PHARMACISTS PER 100,000 POPULATION
1950	88,300	153,622	57.5
1955	96,900	167,513	57.8
1960	101,000	182,287	55.4
1965	104,100	195,539	53.2
1970	112,600	206,466	54.5
1975	121,800	217,095	56.1
1980	142,400	228,937	62.2
1981	145,600	231,157	63.0
1982	148,300	233,322	63.6
1983	150,500	235,385	63.9
1984	152,100	237,468	64.1
1985	153,500	239,638	64.1
1986	156,100	241,784	64.6
1987	158,700	243,981	65.0
1988	161,400	246,224	65.6
1989	164,000	248,659	66.0
1990	166,700	251,340	66.3
1991	169,400	254,020	66.7
1992	172,000	256,862	67.0
1993	175,400	259,479	67.6
1994	178,800	261,977	68.3
1995	182,300	264,432	68.9
1996	185,000	266,755	69.4

1/ Includes pharmacists in Federal service.

SOURCE: U.S. Department of Health, Education, and Welfare, Public Health Service. Health Manpower Source Book. PHS Publication 263 (Section 17), 1969; Bureau of Health Professions supply model; Vector Research, Inc. 1991 Census of Pharmacists Licensed in the United States (Draft report); U.S. Bureau of the Census. Current Population Reports Series P-25, Nos. 1113, 1128, and 1130. Monthly Estimates of the United States Population: April 1, 1980 to January 1, 1997.



TABLE 504. NUMBER OF SCHOOLS OF PHARMACY, STUDENTS AND GRADUATES, SELECTED ACADEMIC YEARS 1960-61 TO 1996-97

ACADEMIC YEAR	NUMBER OF SCHOOLS	STUDENTS 1/	
		TOTAL	FIRST YEAR GRADUATES
1960-61	77	13,606	5,824
1970-71	74	15,626	5,694
1975-76	73	24,416	8,710
1976-77	72	24,082	8,208
1977-78	72	23,884	8,461
1978-79	72	23,649	8,321
1979-80	72	23,074	8,035
1980-81	72	22,093	7,377
1981-82	72	20,468	6,927
1982-83	72	19,350	6,609
1983-84	72	18,831	6,635
1984-85	72	18,646	6,986
1985-86	72	19,098	7,091
1986-87	73	20,073	7,554
1987-88	74	21,424	7,751
1988-89	74	22,447	7,990
1989-90	74	23,013	8,033
1990-91	74	23,238	8,267
1991-92	74	23,482	8,343
1992-93	75	26,287	8,664
1993-94	75	27,143	8,970
1994-95	75	27,667	9,157
1995-96	75	28,060	8,740
1996-97	79	28,027	8,790
			8,003
			NA

1/ Total students includes those in the final three years of all first professional degree programs prior to 1992-93. Total students includes students in all professional years for 1992-93 and subsequent academic years, i.e., 3 years for Baccalaureate and 4 years for Pharm.D.1 degrees. First year students are in the first of those professional years.

SOURCE: American Association of Colleges of Pharmacy. Profile of Pharmacy Students, Fall 1996.

TABLE 505. ESTIMATED NUMBER OF ACTIVE VETERINARIANS AND VETERINARIAN-TO-POPULATION RATIOS, SELECTED YEARS 1950-1996

YEAR	ACTIVE VETERINARIANS 1/	TOTAL POPULATION (THOUSANDS)	VETERINARIANS PER 100,000 POPULATION
1950	13,500	153,622	8.8
1955	16,500	167,513	9.8
1960	19,700	182,287	10.8
1965	23,300	195,539	11.9
1970	25,900	206,466	12.5
1975	31,100	217,095	14.3
1980	36,500	228,937	15.9
1981	37,600	231,157	16.3
1982	38,800	233,322	16.6
1983	40,000	235,385	17.0
1984	41,300	237,468	17.4
1985	42,600	239,638	17.8
1986	43,900	241,784	18.2
1987	45,100	243,981	18.5
1988	46,300	246,224	18.8
1989	47,500	248,659	19.1
1990	48,700	251,340	19.4
1991	50,200	254,020	19.8
1992	51,400	256,862	20.0
1993	52,700	259,479	20.3
1994	53,900	261,977	20.6
1995	55,300	264,432	20.9
1996	56,700	266,755	21.3

1/ Includes veterinarians in Federal service.

SOURCE: U.S. Department of Health, Education, and Welfare, Public Health Service. Health Manpower Source Book, PHS Pub No. 263 (Sec 20), 1969; Bureau of Health Professions; American Veterinary Medical Association. Veterinary Demographic Annual Report, 1995. Also unpublished data; U.S. Bureau of the Census. Current Population Reports Series P-25, Nos. 1113, 1128, and 1130. Monthly Estimates of the United States Population: April 1, 1980 to January 1, 1997.

TABLE 506. NUMBER OF SCHOOLS OF VETERINARY MEDICINE, STUDENTS AND GRADUATES, SELECTED ACADEMIC YEARS 1960-61 TO 1997-98

ACADEMIC YEAR	NUMBER OF SCHOOLS	STUDENTS		GRADUATES
		TOTAL	FIRST YEAR	
1960-61	18	3,497	983	824
1970-71	18	5,006	1,430	1,239
1975-76	19	6,274	1,712	1,523
1976-77	21	6,571	1,856	1,591
1977-78	22	6,918	1,973	1,640
1978-79	22	7,334	2,089	1,704
1979-80	23	7,803	2,247	1,845
1980-81	25	8,156	2,239	1,932
1981-82	26	8,391	2,246	1,969
1982-83	26	8,538	2,211	1,976
1983-84	27	8,672	2,284	2,138
1984-85	27	8,843	2,329	NA
1985-86	27	8,928	2,282	2,181
1986-87	27	8,887	2,273	2,104
1987-88	27	8,822	2,207	2,169
1988-89	27	8,558	2,195	2,142
1989-90	27	8,456	2,194	2,117
1990-91	27	8,420	2,197	2,021
1991-92	27	8,508	2,225	2,024
1992-93	27	8,702	2,259	2,074
1993-94	27	8,859	2,297	2,065
1994-95	27	8,881	2,276	2,111
1995-96	27	8,854	2,283	NA
1996-97	27	8,956	2,334	2,170
1997-98	27	9,010	2,326	NA

SOURCE: Association of American Veterinary Medical Colleges. Unpublished data.

TABLE 507. ESTIMATED AND PROJECTED NUMBER OF ACTIVE CHIROPRACTORS AND CHIROPRACTOR-TO-POPULATION RATIOS, SELECTED YEARS 1980-1995

YEAR	ALL ACTIVE CHIROPRACTORS 1/	TOTAL POPULATION (THOUSANDS)	CHIROPRACTORS PER 100,000 TOTAL POP
1980	25,600	228,937	11.2
1982	28,300	233,322	12.1
1984	31,500	237,468	13.3
1986	35,000	241,784	14.5
1988	39,000	246,224	15.8
1990	41,500	251,340	16.5
1991	42,700	254,020	16.8
1992	43,800	256,862	17.1
1993	44,900	259,479	17.3
1994	46,100	261,977	17.6
1995	47,200	264,432	17.8

1/ Data from 1988 projected assuming 2500 graduates per year and a 3 percent annual net separation rate.

SOURCES: Estimates prepared by the Bureau of Health Professions, Division of Associated Dental and Public Health Professions and the Office of Research & Planning based on data from the American Chiropractic Association; U.S. Bureau of the Census. Current Population Reports Series P-25 No. 1113, 1128, and 1130. Monthly Estimates of the United States Population: April 1, 1980 to January 1, 1997.

TABLE 601. ESTIMATED NUMBERS OF ACTIVE ALLIED HEALTH PERSONNEL, SELECTED YEARS 1970-1996 1/

OCCUPATION	1970	1980	1990	1996
Allied health personnel	750,000	1,276,000	1,833,000	2,319,300
Dental hygienists	40,000	54,000	81,000	94,000
Dental assistants	112,000	156,000	201,000	212,000
Dental laboratory technicians	31,000	43,000	50,000	53,000
Dietitians	17,000	32,000	67,000	69,000
Dietetic technicians	20,000	38,000	56,000	40,000
Emergency Medical Technician				
EMT-Paramedic				
Health information administrators	35,000	70,000	98,000	144,000
Health information technologists	10,000	13,000	18,000	22,000
Medical laboratory workers	42,000	60,000	69,000	75,000
Occupational therapists	135,000	249,000	297,000	330,000
Orthotics and Prosthetics	6,000	25,000	34,000	45,000
Physical therapists	1,000	2,000	3,000	3,300
Radiologic service workers	30,000	50,000	92,000	107,000
Respiratory therapy workers	87,000	116,000	157,000	204,000
Speech pathologist/ audiologists	30,000	56,000	75,000	111,000
Other allied health 2/	19,000	50,000	65,000	97,000
	135,000	262,000	490,000	713,000

1/ All numbers are rounded to the nearest thousand. Due to revisions and independent estimations, some numbers may differ from those that appear elsewhere.

2/ Includes dietetic assistants, genetic assistants, operating room technicians, ophthalmic medical assistants, optometric assistants and technicians, pharmacy assistants, occupational and physical therapy assistants, podiatric assistants, medical transcriptionists, vocational rehabilitation counselors, other rehabilitation service workers, and other social and mental health service workers.

SOURCE: Health Resources and Services Administration, Bureau of Health Professions, Office of Research and Planning.

TABLE 602. NUMBER OF SELECTED ALLIED HEALTH PROGRAMS (CALENDAR YEAR 1997), AND STUDENTS AND GRADUATES, ACADEMIC YEAR 1996-97

OCCUPATION	PROGRAMS	ENROLLMENTS	GRADUATES
Anesthesiologist's Assistant	2	105	27
Art Therapist	26	1,201	398
Athletic Trainer	61	2,709	678
Cardiovascular Technologist	16	516	213
Clinical Laboratory Scientist	333	6615	2996
Clinical Laboratory Technician-Associate Deg	224	6313	2047
Clinical Laboratory Technician-Certificate	39	921	508
Cytotechnologist	65	421	335
Dental Assistant	228	7,211	4,343
Dental Hygienist	216	11,207	4,771
Dental Laboratory Technician	34	1,141	383
Diagnostic Medical Sonographer	75	1,500	744
Dietetic Technician	72	2,981	714
Dietitian/Nutritionist	534	15,724	6,455
Electroneurodiagnostic Technologist	10	156	36
Emergency Medical Technician-Paramedic	97	5,781	3,035
Genetic Counselor	22	317	151
Health Information Administrator	55	2,599	816
Health Information Technologists	153	7,208	2,144
Histologic Technician-Associate Deg	10	168	59
Histologic Technician-Certificate	22	89	65
Histotechnologist	4	12	9
Medical Assistant	271	24,333	9,665
Medical Illustrator	5	81	42
Music Therapist	49	2,388	331
Nuclear Medicine Technologist	110	1,330	661
Occupational Therapist	96	13,882	4,223
Occupational Therapy Assistant	114	7038	2790
Ophthalmic Dispensing Optician	15	792	284
Ophthalmic Laboratory Technician	1	14	4
Ophthalmic Medical Technician/Technologist	10	128	51
Orthotist/Prosthetist	2	69	65

TABLE 602. NUMBER OF SELECTED ALLIED HEALTH PROGRAMS (CALENDAR YEAR 1997), AND STUDENTS AND GRADUATES, ACADEMIC YEAR 1996-97 (Continued)

OCCUPATION	PROGRAMS	ENROLLMENTS	GRADUATES
Pathologists/ Assistant	2	32	7
Perfusionist	27	301	122
Physician Assistant	95	7,723	2,674
Physical Therapists	134	16,573	4,746
Physical Therapy Assistant	148	7,085	3,361
Radiographer	639	20,200	8,009
Radiation Therapist	98	849	422
Rehabilitation Counselor	68	3,748	1,360
Respiratory Therapist	293	11,796	4,202
Respiratory Therapy Technician	160	5,385	2,501
Specialist in Blood Bank Technology	22	66	35
Surgical Technologist	142	3,794	2,055
Therapeutic Recreation Specialist	28	3,359	1,052
Total	4,827	205,861	79,589

SOURCE: American Medical Association. Health Professions Education Directory, 26th Edition, 1998-1999. Chicago, 1998.

TABLE 603. NUMBER OF CLINICAL LABORATORY SCIENCE PROGRAMS (SELECTED CALENDAR YEARS 1984 TO 1997), AND STUDENTS AND GRADUATES, SELECTED ACADEMIC YEARS 1983-84 TO 1996-97

PROGRAMS												
YEAR	1984	1985	1986	1988	1989	1990	1991	1992	1993	1995	1996	1997
Programs	615	584	516	464	436	420	410	404	393	372	346	333

STUDENTS												
ACADEMIC YEAR	1983-84	1984-85	1985-86	1987-88	1988-89	1989-90	1990-91	1991-92	1992-93	1994-95	1995-96	1996-97
Enrollment	8,883	8,150	6,691	5,706	5,503	5,734	6,153	6,848	7,485	7,541	6,985	6,615
Graduates	5,370	4,862	4,477	3,432	3,148	3,024	2,932	3,201	3,416	3,572	3,155	2,996

SOURCE: American Medical Association. Allied Health and Rehabilitation Professions Education Directory, 1998-1999. Chicago, 1998. Also prior annual editions formerly titled Allied Health Education Directory.



TABLE 604. NUMBER OF CLINICAL LABORATORY TECHNICIAN PROGRAMS (SELECTED CALENDAR YEARS 1984 TO 1997), AND STUDENTS AND GRADUATES, SELECTED ACADEMIC YEARS 1983-84 TO 1996-97

PROGRAMS												
YEAR	1984	1985	1986	1988	1989	1990	1991	1992	1993	1995	1996	1997
No. Programs	278	281	261	256	258	256	256	255	253	252	254	263

STUDENTS												
ACADEMIC YEAR	1983-84	1984-85	1985-86	1987-88	1988-89	1989-90	1990-91	1991-92	1992-93	1994-95	1995-96	1996-97
Enrollment	8,617	7,455	7,071	6,205	6,273	6,668	7,268	7,838	8,735	8,579	7,396	7,234
Graduates	4,054	3,278	2,747	2,370	2,292	2,292	2,437	2,559	2,961	3,177	2,930	2,555

SOURCE: American Medical Association. Allied Health and Rehabilitation Professions Education Directory, 1998-99. Chicago, 1998. Also prior annual editions formerly titled Allied Health Education Directory.



TABLE 701. ESTIMATED NUMBER OF CLINICALLY ACTIVE OR CLINICALLY TRAINED MENTAL HEALTH PERSONNEL AND PRACTITIONER-TO-POPULATION RATIOS BY DISCIPLINE AND GEOGRAPHIC AREA

GEOGRAPHIC AREA	1996 CLINICALLY ACTIVE PSYCHIATRISTS		1995 CLINICALLY TRAINED PSYCHOLOGISTS		1996 CLINICALLY TRAINED SOCIAL WORKERS		1995 CLINICALLY TRAINED PSYCHIATRIC NURSES	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate
United States	29,803	11.3	53,060	20.2	94,218	35.9	6,800	2.6
New England	2,835	21.3	5,328	40.0	10,175	76.4	1,452	10.9
Connecticut	709	21.6	862	26.3	2,326	71.0	343	10.5
Maine	144	11.6	313	25.2	725	58.4	75	6.0
Massachusetts	1,566	25.8	3,268	53.8	5,469	90.0	825	13.6
New Hampshire	158	13.8	343	29.9	611	53.2	70	6.1
Rhode Island	144	14.5	217	21.9	750	75.8	93	9.4
Vermont	114	19.5	325	55.6	294	50.3	46	7.9
Middle Atlantic	6,832	17.9	11,280	29.6	22,559	59.1	1,333	3.5
New Jersey	1,039	13.1	2,052	25.8	4,351	54.8	283	3.6
New York	4,233	23.3	5,752	31.7	14,340	79.1	688	3.8
Pennsylvania	1,560	12.9	3,476	28.8	3,868	32.0	362	3.0
South Atlantic	5,083	10.8	7,539	16.0	14,063	29.9	1,316	2.8
Delaware	85	11.9	160	22.3	222	31.0	22	3.1
District of Columbia	282	50.9	871	157.2	598	107.9	30	5.4
Florida	1,255	8.9	1,900	13.4	3,230	22.8	195	1.4
Georgia	635	8.8	1,094	15.2	1,373	19.1	141	2.0
Maryland	1,026	20.3	1,568	27.1	3,450	68.4	405	8.0
North Carolina	645	9.0	985	13.7	1,776	24.7	117	1.6
South Carolina	308	8.4	312	8.5	717	19.5	88	2.4
Virginia	719	10.9	532	8.0	2,402	36.3	285	4.3
West Virginia	128	7.0	317	17.3	295	16.1	33	1.8
East South Central	1,089	6.8	1,609	10.0	2,824	17.6	214	1.3
Alabama	251	5.9	310	7.3	596	14.0	55	1.3
Kentucky	293	7.6	379	9.8	765	19.8	67	1.7
Mississippi	124	4.6	139	5.2	306	11.3	20	0.7
Tennessee	421	8.0	781	14.9	1,157	22.0	72	1.4
West South Central	2,098	7.3	2,894	10.0	6,197	21.5	262	0.9
Arkansas	163	6.6	338	13.6	453	18.2	13	0.5
Louisiana	368	8.5	325	7.5	1,623	37.4	38	0.9
Oklahoma	201	6.1	331	10.1	661	20.2	25	0.8
Texas	1,366	7.3	1,900	10.1	3,460	18.5	186	1.0

TABLE 701. ESTIMATED NUMBER OF CLINICALLY ACTIVE OR CLINICALLY TRAINED MENTAL HEALTH PERSONNEL AND PRACTITIONER-TO-POPULATION RATIOS BY DISCIPLINE AND GEOGRAPHIC AREA (Continued)

GEOGRAPHIC AREA	1996		1995		1996		1995	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate
East North Central	3,774	8.7	7,558	17.4	16,915	38.9	609	1.4
Illinois	1,189	10.1	2,134	18.0	5,369	45.4	119	1.0
Indiana	372	6.4	760	13.1	1,956	33.7	74	1.3
Michigan	873	9.1	1,140	11.9	5,168	54.1	163	1.7
Ohio	895	8.0	2,764	24.8	2,844	25.5	205	1.8
Wisconsin	445	8.7	760	14.8	1,578	30.8	48	0.9
West North Central	1,462	8.0	4,512	24.6	4,925	26.8	357	1.9
Iowa	148	5.2	546	19.2	742	26.1	36	1.3
Kansas	255	9.9	342	13.3	907	35.4	47	1.8
Minnesota	393	8.5	2,166	47.0	1,078	23.4	148	3.2
Missouri	437	8.2	1,040	19.5	1,616	30.4	70	1.3
Nebraska	122	7.5	227	13.9	364	22.2	32	2.0
North Dakota	54	8.4	81	12.6	91	14.2	17	2.7
South Dakota	53	7.3	110	15.1	127	17.4	7	1.0
Mountain	1,362	8.7	3,087	19.7	4,662	29.8	365	2.3
Arizona	348	8.3	1,845	20.0	1,099	26.1	85	2.0
Colorado	452	12.1	1,130	30.2	1,526	40.7	141	3.8
Idaho	65	5.6	114	9.8	241	20.7	9	0.8
Montana	62	7.1	150	17.2	223	25.6	17	2.0
Nevada	86	5.6	143	9.3	295	19.3	13	0.8
New Mexico	185	11.0	267	15.8	502	29.8	62	3.7
Utah	137	7.0	360	18.5	678	34.8	29	1.5
Wyoming	27	5.6	78	16.3	98	20.4	9	1.9
Pacific	5,268	12.6	9,253	22.1	11,898	28.4	868	2.1
Alaska	60	10.0	92	15.3	596	98.8	33	5.5
California	4,161	13.2	7,440	23.6	7,611	24.1	376	1.2
Hawaii	159	13.4	239	20.1	747	62.9	27	2.3
Oregon	311	9.9	463	14.7	1,255	40.0	87	2.8
Washington	577	10.6	1,019	18.8	1,689	31.1	345	6.4

SOURCE: Substance Abuse and Mental Health Services Administration. Mental Health United States, 1996.



TABLE 702. NUMBER OF STUDENTS AND GRADUATES FROM SCHOOLS OF PUBLIC HEALTH,  
ACADEMIC YEARS 1978-79 TO 1996-97

ACADEMIC YEAR	STUDENTS	
	APPLICATIONS	ENROLLMENTS
1978-79	13,000	7,722
1979-80	NA	8,215
1980-81	11,898	8,486
1981-82	11,078	9,047
1982-83	10,021	8,896
1983-84	9,998	8,937
1984-85	10,119	8,957
1985-86	10,115	9,494
1986-87	10,881	10,104
1987-88	11,134	10,761
1988-89	10,895	11,001
1989-90	11,946	11,085
1990-91	11,782	11,386
1991-92	13,066	12,032
1992-93	15,807	13,329
1993-94	16,509	14,449
1994-95	17,855	14,653
1995-96	17,611	14,973
1996-97	18,449	14,507
		GRADUATES
		2,917
		3,326
		3,168
		3,196
		3,492
		3,299
		3,047
		3,268
		3,191
		3,447
		3,500
		3,549
		3,995
		4,041
		4,175
		4,553
		4,636
		5,064
		N/A

SOURCE: Association of Schools of Public Health. Annual Data Report, 1996.

TABLE 801. GROSS NATIONAL PRODUCT AND NATIONAL HEALTH EXPENDITURES IN THE UNITED STATES FOR SELECTED YEARS 1960-1996

YEAR	GROSS NATIONAL PRODUCT IN BILLIONS	NATIONAL HEALTH EXPENDITURES		
		AMOUNT IN BILLIONS	PERCENT OF GROSS NATIONAL PRODUCT	AMOUNT PER CAPITA
1960.....	527	26.9	5.1	141
1965.....	719	41.1	5.7	202
1970.....	1036	73.2	7.1	341
1975.....	1631	130.7	8.0	582
1980.....	2784	247.3	8.9	1,052
1981.....	3116	286.9	9.2	1,208
1982.....	3242	323.0	10.0	1,346
1983.....	3515	355.3	10.1	1,466
1984.....	3902	390.1	10.0	1,594
1985.....	4181	428.7	10.3	1,735
1986.....	4422	461.2	10.4	1,848
1987.....	4692	500.5	10.7	1,986
1988.....	5050	560.4	11.1	2,201
1989.....	5439	623.5	11.5	2,423
1990.....	5744	699.5	12.2	2,691
1991.....	5917	766.8	13.0	2,920
1992.....	6244	836.6	13.4	3,154
1993.....	6558	895.1	13.6	3,341
1994.....	6947	945.7	13.6	3,497
1995.....	7265	991.4	13.6	3,633
1996.....	7636	1,035.1	13.6	3,759

SOURCE: Health Care Financing Administration. Office of Strategic Planning. 1998 Data Compendium. Pub. No. 030407. Baltimore, MD, August 1998.



TABLE 802. CONSUMER PRICE INDEX AND AVERAGE ANNUAL PERCENT CHANGE FOR ALL ITEMS AND SELECTED ITEMS, IN THE UNITED STATES, SELECTED YEARS 1950-1997

YEAR	ALL ITEMS	MEDICAL CARE	FOOD	APPAREL AND UPKEEP			HOUSING	ENERGY	PERSONAL CARE
				APPAREL	AND UPKEEP				
Consumer Price Index									
1950.....	24.1	15.1	25.4	40.3	---	---	---	26.2	
1955.....	26.8	18.2	27.8	42.9	---	---	---	29.9	
1960.....	29.6	22.3	30.0	45.7	22.4	---	---	34.6	
1965.....	31.5	25.2	32.2	47.8	22.9	---	---	36.6	
1970.....	38.8	34.0	39.2	59.2	25.5	36.4	---	43.5	
1975.....	53.8	47.5	59.8	72.5	42.1	50.7	---	57.9	
1980.....	82.4	74.9	86.8	90.9	86.0	81.1	86.0	81.9	
1981.....	90.9	82.9	93.6	95.3	97.7	90.4	97.7	89.1	
1982.....	96.5	92.5	97.4	97.8	99.2	96.9	99.2	95.4	
1983.....	99.6	100.6	99.4	100.2	99.9	99.5	99.9	100.3	
1984.....	103.9	106.8	103.2	102.1	100.9	103.6	100.9	104.3	
1985.....	107.6	113.5	105.6	105.0	101.6	107.7	101.6	108.3	
1986.....	109.6	122.0	109.0	105.9	88.2	110.9	88.2	111.9	
1987.....	113.6	130.1	113.5	110.6	88.6	114.2	88.6	115.1	
1988.....	118.3	138.6	118.2	115.4	89.3	118.5	89.3	119.4	
1989.....	124.0	149.3	125.1	118.6	94.3	123.0	94.3	125.0	
1990.....	130.7	162.8	132.4	124.1	102.1	128.5	102.1	130.4	
1991.....	136.2	177.0	136.3	128.7	102.5	133.6	102.5	134.9	
1992.....	140.3	190.1	137.9	131.9	103.0	137.5	103.0	138.3	
1993.....	144.5	201.4	140.9	133.7	104.2	141.2	104.2	141.5	
1994.....	148.2	211.0	144.3	133.4	104.6	144.8	104.6	144.6	
1995.....	152.4	220.5	148.4	132.0	105.2	148.5	105.2	147.1	
1996.....	156.9	228.2	153.3	131.7	110.1	152.8	110.1	150.1	
1997.....	160.5	234.6	157.3	132.9	111.5	156.8	111.5	152.7	



TABLE 802. CONSUMER PRICE INDEX AND AVERAGE ANNUAL PERCENT CHANGE FOR ALL ITEMS AND SELECTED ITEMS, IN THE UNITED STATES, SELECTED YEARS 1950-1997 (Continued)

YEAR	ALL ITEMS	MEDICAL CARE	FOOD	APPAREL AND UPKEEP	HOUSING	ENERGY	PERSONAL CARE
	Average annual percent change						
1950-55.....	2.1	3.8	1.8	1.3	---	---	2.7
1955-60.....	2.0	4.1	1.5	1.3	---	---	3.0
1960-65.....	1.3	2.5	1.4	0.9	---	0.4	1.1
1965-70.....	4.3	6.2	4.0	4.4	---	2.2	3.5
1970-75.....	6.8	6.9	8.8	4.1	6.9	10.5	5.9
1975-80.....	8.9	9.5	7.7	4.6	9.9	15.4	7.2
1980-85.....	5.5	8.7	4.0	2.9	5.8	3.4	5.7
1980-81.....	10.3	10.7	7.8	4.8	11.5	13.6	8.8
1981-82.....	6.2	11.6	4.1	2.6	7.2	1.5	7.1
1982-83.....	3.2	8.8	2.1	2.5	2.7	0.7	5.1
1983-84.....	4.3	6.2	3.8	1.9	4.1	1.0	4.0
1984-85.....	3.6	6.3	2.3	2.8	4.0	0.7	3.8
1985-90.....	4.0	7.5	4.6	3.4	3.6	0.1	3.8
1985-86.....	1.9	7.5	3.2	0.9	3.0	-13.2	3.3
1986-87.....	3.6	6.6	4.1	4.4	3.0	0.5	2.9
1987-88.....	4.1	6.5	4.1	4.3	3.8	0.8	3.7
1988-89.....	4.8	7.7	5.8	2.8	3.8	5.6	4.7
1989-90.....	5.4	9.0	5.8	4.6	4.5	8.3	4.3
1990-95.....	3.1	6.3	2.3	1.2	2.9	0.6	2.4
1990-91.....	4.2	8.7	2.9	3.7	4.0	0.4	3.5
1991-92.....	3.0	7.4	1.2	2.5	2.9	0.5	2.5
1992-93.....	3.0	5.9	2.2	1.4	2.7	1.2	2.3
1993-94.....	2.6	4.8	2.4	-0.2	2.5	0.4	2.2
1994-95.....	2.8	4.5	2.8	-1.0	2.6	0.6	1.7
1995-96.....	3.0	3.5	3.3	-0.2	2.9	4.7	2.0
1996-97.....	2.3	2.8	2.6	0.9	2.6	1.3	1.7

NOTE: 1982-84=100

SOURCE: Bureau of Labor Statistics, U.S. Department of Labor; Consumer Price Index. Various releases.

TABLE 803. NATIONAL HEALTH EXPENDITURES BY TYPE OF EXPENDITURE, 1980, 1990 AND 1996

TYPE OF EXPENDITURE	1980	1990 Billions of Dollars (Current Dollars)	1996	Percent Change 1990-96	Percent Change 1980-96
Total Health Expenditures	\$247.3	\$699.5	\$1,035.1	48.0	318.6
Health services and supplies	235.6	675.0	1003.6	48.7	326.0
Personal health care	217.0	614.7	907.2	47.6	318.1
Hospital care	102.7	256.4	358.5	39.8	249.1
Physicians' services	45.2	146.3	202.1	38.1	347.1
Dental services	13.3	31.6	47.6	50.6	257.9
Other professional services	6.4	34.7	58.0	67.1	806.3
Home health care	2.4	13.1	30.2	130.5	1158.3
Drugs and non-DME *	21.6	59.9	91.4	52.6	323.1
Vision products and DME *	3.8	10.5	13.3	26.7	250.0
Nursing home care	17.6	50.9	78.5	54.2	346.0
Other personal health care	4.0	11.2	27.6	146.4	590.0
Program Administration and Net Cost of Health Insurance	11.9	40.7	60.9	49.6	411.8
Government public health	6.7	19.6	35.5	81.1	429.9
Research and construction	11.6	24.5	31.5	28.6	171.6
Research	5.5	12.2	17.0	39.3	209.1
Construction	6.2	12.3	14.5	17.9	133.9

\* DME = Durable medical equipment

SOURCE: Health Care Financing Administration, Office of the Actuary. Health Care Financing Review  
vol 19 no 1. HCFA Pub. No. 03400. Washington, Fall 1997.







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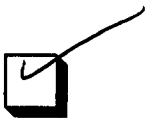


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EFF-089 (3/2000)