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ABSTRACT

Detailed statistics on education are provided for a number of health occupations. Data are given as far back as 1950-1951 for medical and dental schools, while for schools of public health, the data begin in 1975-1976. Complete 1980 data are provided only for dentistry, pharmacy, and veterinary medicine. Statistical tables are included on the current state-by-state number of students and graduates of all health occupations schools and, in addition, by individual school for several health occupations. Trend data are given for the number and proportion of first-year minority and female students of medicine, osteopathy, dentistry, and registered nursing. Such trend data for other occupations are provided for total students because first-year data were not available for all years. Applicant trend data covering the last two decades are given for schools of medicine and dentistry. Trend data on advanced education are given for medical residents through 1978 and for dental residents through 1980. Additional data include: average first-year medical and dental school tuition trends for the last decade; student expenses, income, and debt; and trends in the number of training programs, students, and graduates for certain allied health occupations. In addition to the tables, an introductory section provides highlights of the data. (SW)

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EDUCATIONAL STATISTICS FOR SELECTED HEALTH OCCUPATIONS



September 1981

U.S. DEPARTMENT OF
HEALTH AND HUMAN SERVICES
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Foreword

This report provides detailed statistics on education for a number of health occupations, although data are not equally complete for every occupation. In every occupation in the report, statistics are provided for trends of the number of classes, students, and graduates. For most, but not all, of the occupations, data are provided on enrollment of minorities and women, and on components of student financing. Data on applications, average tuition, and other information are given for the few occupations for which such information is available.

This report was prepared by the Division of Health Professions Analysis, Bureau of Health Occupations, Health Resources Administration, primarily as a planning instrument, with the tables designed to be self-standing and self-explanatory. Every attempt has been made to present the data in a clear and concise manner, including accurate and informative titles and subtitles, and to illustrate one or the tables by a figure. Explanatory text is included where necessary.

In preparing this publication of this particular selection of educational statistics, to the extent possible, an effort was made to present comparable data in comparable format, for all occupations in the report. However, since the data are drawn from many different sources, statistics are not completely compatible or consistent across or within all occupations, and the amount of detail available may differ among occupations. For example, data recently received are often revisions of data from earlier years, and data for the same year which are received from two sources are sometimes in conflict. In some instances, where corrective adjustments could be made, this was done, and other instances, one of the two sets of data had to be adapted.

As more complete or more authoritative data become available, these will be incorporated into future reports to revise or improve the data used in this report, and to include new occupations. It is hoped that these data will be useful, especially to health care planning.

It is expected that this report will provide a useful working reference for educational planning for analysts, policymakers, health planners, and others concerned with the content and training of health personnel. It is hoped that the report will stimulate new and better educational planning efforts.

This report was prepared by Donald W. Jahnke, Jr., D.O., M.P.H., and Frank M. Hays, Technical Information Specialist. Rose M. Shea, Statistical Clerk, and James W. Wilson, Statistician, made important contributions to the report. Inquiries should be sent to the Bureau of Health Occupations, Health Resources Administration, Department of Health, Education and Welfare, Washington, D.C. 20452.

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Introduction

The tables of educational statistics for the health occupations covered in this report are organized in the major sections shown on the Contents page, beginning with a group of tables which present combined trend data for most of the occupations. Multiple-occupation tables provide data for selected academic years from 1960-61 through 1979-80 on schools, students, and graduates, and for selected years in the 1970's for number and percent of minority and female students.

Each section for the individual occupations provides similar trend data on the number of schools, students, and graduates. However, the time spans covered by the data differ among occupations, depending on availability of data. Data are given as far back as 1950-51 for medical and dental schools; at the other extreme, data for schools of public health begin only with 1975-76. The most recent data available are given for every occupation; in most cases these are for academic year 1979-80. It was possible to provide complete 1980 data only for dentistry, pharmacy, and veterinary medicine.

Statistical tables are included on the current State-by-State number of students and graduates of all health occupations schools and, in addition, by individual school for several of the health occupations. Trend and State tables for registered nursing vary in format from those for other occupations in order to present graduates as distributed among baccalaureate degree, associate degree, and diploma programs.

Trend data are given for the number and proportion of first-year minority and female students of medicine (M.D.), osteopathy (D.O.), dentistry, and registered nursing. Such trend data for other occupations are given for total students because first-year data were not available for all years.

Applicant trend data covering the last two decades are given for schools of medicine (M.D.) and dentistry. Trend data on advanced education are presented for medical residents through 1978 and for dental residents through 1980. Some 1979 data are provided for medical residents identified as females, blacks, and foreign medical graduates. Trend data for the last decade are also presented for the average first-year medical (M.D.) and dental school tuition.

Tables on recent graduates of schools of public health give the number and percent by type of degree and by sex, and the percent distribution of graduates by area of specialization, e.g., health administration.

There are tables which present trend data on the number of training programs, students, and graduates for certain allied health occupations through 1980-81--beginning with 1950-51 for dental hygiene, with 1960-61 for medical record technology and practical nursing, and with 1965-66 for dental assisting, dental laboratory technology, and medical record administration. For each of these six occupations, there is also a table giving the number of training programs, students, and graduates in 1980, by State. Although there are many other important allied health occupations (e.g., medical technology,

(e.g., pathology, physical therapy), tables are given in this report for the health occupations because these are the only ones for which comparable national trend data and current State data were in hand when this report was prepared.

The report ends with a group of tables presenting data on financing student education for a number of health occupations, such as: data on student school and personal expenses; sources and amounts of student income; and amount of family debt. Other tables give various socioeconomic data on the families of health students, such as income level of family.

The report concludes with a narrative Overview with illustrative data followed by the last 10 tables. Then follows the main body of this report, the 20 individual statistical tables, organized in the 12 subject-areas with accompanying text.

This section presents selected highlights of the data in this report, but without specific reference to any table. The intent is to provide a compact narrative text to convey the coverage and nature of the statistics.

Multiple Occupations

From academic year 1960-61 through 1979-80, the largest increases in number of schools were attained by allopathic and osteopathic medicine (M.D. and D.O.) which, together, increased from 92 to 140, a gain of a full one-half (52 percent). Optometry, veterinary medicine, dentistry, and nursing had notable increases in number of schools, from 40 to 22 percent. There was a slight decrease in the number of schools of pharmacy.

Since academic year 1960-61, the number of graduates for the health occupations increased notably, but the proportionate increase varied a great deal. Schools of podiatry, with the smallest number of graduates, had the greatest proportional increase by far, almost 400 percent. Optometry graduates had a smaller, but still considerable, increase of 234 percent. Registered nursing graduates achieved the next highest proportional increase, with a gain of 153 percent. Graduates of schools of veterinary medicine, allopathic medicine, osteopathic medicine, and pharmacy each increased by more than 100 percent. Graduates of schools of dentistry had the smallest proportional gain of 60 percent.

In 1979-80, the proportion of minorities among students for three health occupations--allopathic medicine (M.D.), dentistry, and pharmacy--were 13, 12, and 11 percent respectively, which represent gains to varying degrees over their representation of about 10 percent each in 1971-72. Four other occupations had a minority representation from 8 to 4 percent in 1979-80, all showing various increases over their 1971-72 level, especially in podiatry and osteopathic medicine, with lesser gains in optometry and veterinary medicine.

During the 1970's, representation of female students increased substantially in schools for three health occupations--pharmacy, veterinary medicine, and allopathic medicine (M.D.)--achieving, by 1979-80, proportions of 44, 37, and 28 percent, respectively. In four other health occupations--optometry, osteopathic medicine (D.O.), dentistry, and podiatry--there were few female students in 1970-71, only between 3 and 1 percent; by 1979-80 their representation had expanded greatly, achieving levels variously from 19 to 12 percent.

In 1977-78, minorities constituted 10 percent and women 94 percent of students preparing to be registered nurses, which are about the same proportions, respectively, as in 1971-72.

Allopathic Medicine (M.D.)

The numbers of medical schools, students, and graduates have all increased considerably in the past three decades, especially during the 1970's. From

From academic year 1950-51 to 1979-80, schools increased from 79 to 126, total enrollment from 26,186 to 63,800, and graduates from 6,135 to 15,135.

From academic year 1960-61 to 1979-80, applicants for admission to medical schools increased substantially from 14,397 to 36,141. However, the peak year was 1974-75, with 42,624 applicants, and the number has since been declining. Also, since 1974-75, the number of applicants per first-year student has gone from 2.9 to 2.1, which had been about the ratio for several classes during the mid-1960's.

The number and percent of minority students in first year of medical school has increased slowly, but rather steadily, from 1970-71 to 1979-80--from 998 to 2,237 first-year students, and from 9 to 13 percent of first-year enrollment.

From 1970-71 to 1979-80, the number of women students in first year of medical school increased about three and one half times, from 1,256 to 4,713, while the proportion considerably more than doubled, from 11 to 28 percent.

First-year medical residents doubled from 1960 to 1978, from 11,070 to 22,291. First-year residents in medical specialties increased from 29 to 41 percent of all first-year residents, and those in general and family practice increased from 3 to 10 percent. In all other specialties, including surgery, the proportion of first-year residents declined. In 1979, there were a total of 24,515 medical residents, of whom 19 percent were foreign medical graduates and 17 percent were females.

During the past decade, medical tuition has risen steadily and considerably in all types of schools. Average first-year tuition in public schools for in-State resident students rose from \$663 in 1970-71 to \$1,827 in 1980-81; for non-residents, tuition was significantly higher, rising from \$1,230 to \$3,963 over the same period. For private schools, the increase was from \$1,988 to \$7,621 for residents and slightly more for non-residents.

Osteopathic Medicine (D.O.)

Between 1960-61 and 1979-80, the number of schools of osteopathic medicine increased from 6 to 14; students increased from 1,944 to 4,544 and graduates from 506 to 1,035. These increases largely occurred during the 1970's.

From 1971-72 to 1979-80, minority first-year students increased from 20 to 93, or from 3 to 7 percent of all first-year students. The increase in enrollment of women was substantial. The number of female first-year students increased from only 17 in 1970-71 to 255 in 1979-80--the proportion rising from 3 to 19 percent.

Dentistry

From academic year 1950-51 to 1980-81, dental students increased substantially from 11,891 to 22,842; the number of dental schools increased from 42 to 60. In 1980, the number of graduates was 5,256.

The number of dental school applicants increased rather steadily from 6,119 in 1960-61 to a high of 15,734 in 1975-76, followed by a sizeable decrease to 10,520 by 1979-80. Also since 1975-76, the number of applicants per first-year student has gone from 2.7 to 1.7, the same ratio as in 1960-61.

During the 1970's, dental school enrollment of minorities increased rather slowly but steadily. First-year minority enrollment increased from 412 in 1971-72, or 9 percent of all first-year enrollment, to 772, or 13 percent, by 1980-81.

There was a rapid and quite steep increase in enrollment of women in schools of dentistry throughout the 1970's, from 94 first-year students in 1970-71 to 1,194 in 1979-80--an increase from 2 to 20 percent.

In the field of advanced dental education, there has been a considerable rise in general practice residencies; the number of graduates increased from 641 in 1975 to 916 in 1980. Over the same period, graduates from specialty residency programs declined slightly, from 1,245 to 1,132.

Tuition for dental education has risen considerably in all types of schools. Average first-year tuition in public schools for in-State resident students rose from \$772 in 1970-71 to \$2,117 in 1980-81; for non-residents, the rise was from \$1,492 to \$4,077. For private schools, the increase was from \$2,062 to \$7,578 for residents and from \$2,170 to \$8,106 for non-residents.

Optometry

Enrollment in schools of optometry in recent years has risen greatly, with first-year students increasing from 407 in 1960-61 to 1,209 in 1979-80. The 316 graduates in 1961 increased to 1,056 in 1979. The rise in the proportion of minority enrollment over the past decade was rather modest, increasing from 6 to 8 percent of the total students. The rise in enrollment of women was more spectacular--from 3 to 19 percent of total students.

Pharmacy

The output of schools of pharmacy has increased considerably, from 3,438 graduates in academic year 1960-61 to 7,278 in 1979-80, after reaching a peak of 8,011 in 1976-77. From 1971-72 to 1980-81, minority students increased from 1,645 to 2,526; the concurrent increase in the proportion of total students was rather modest--from 10 to 12 percent. In contrast, the proportion of women students doubled from 22 to 46 percent, with a 1980-81 enrollment of 10,254.

Podiatry

There has been a five-fold increase between academic year 1960-61 and 1979-80 in number of podiatry students, from 478 to 2,531; graduates increased from 116 to 572 by 1978-79. From 1971-72 to 1980-81, the number of minority students rose steadily from 40 to 231, with the minority percent of total students increasing from 3 to 9. The increase in enrollment of women was very much greater, rising from 16 to 306 students or from 1 to 12 percent.

Veterinary Medicine

From academic year 1960-61 to 1980-81, there has been a steady rise in the number of veterinary students from 3,497 to 8,156; there was a similar increase in graduates, from 824 in 1960-61 to 1,845 in 1979-80. The number of minority students rose from 133 in 1971-72 to 377 in 1980-81, while their proportion of the total students increased from 3 percent to 5 percent. The rise in women students is much more impressive--from 467 in 1970-71 to 3,194 in 1980-81, increasing from 9 to 39 percent of veterinary students.

Registered Nursing

A major development in the field of education for registered nurses has been a dramatic increase in the number of degree programs (baccalaureate and associate degrees) from 174 in 1955-56 to 1,092 in 1980-81, while there was a concurrent reduction of diploma programs from 967 to 311.

The number of graduates from baccalaureate degree programs increased between 1955-56 and 1979-80 from 3,156 to 25,411, and graduates from associate degree programs increased, to an even greater extent, from 252 to 36,509. Graduates of diploma programs--who had predominated by far at the beginning of this period--declined from 26,828 to 14,495. However, the combined output of registered nurse graduates from programs of all types increased greatly from 30,236 to 76,415.

Public Health

In 1979-80, the 21 schools of public health had 8,215 students and 3,326 graduates, of whom the vast majority, 2,972, received the master's degree.

Schools of public health offer many major fields of study. Among the graduates of 1978-79, the largest number, about one-fourth (26 percent), majored in health administration. Other majors included such varied subjects as environmental health, epidemiology, maternal and child health, and biostatistics.

In 1979-80, minorities constituted 22 percent of students in schools of public health, the same level as in 1975-76. Over the same period, women students in these schools increased from 48 to 54 percent.

Selected Allied Health Occupations

After a prolonged and steady increase in graduates from all dental auxiliary training programs, the numbers seem recently to have leveled off. In 1979-80, the number of graduates was, respectively, 5,184 for dental hygienists, 5,958 for dental assistants, and 1,068 for dental laboratory technicians.

In 1979-80, there were 771 medical record administrator graduates and 891 medical record technician graduates. After a notable increase during the 1970's, the number of graduates from each type of program apparently has reached a plateau.

The number of practical nurse graduates almost tripled from 16,635 to 48,081 between 1960-61 and 1975-76, after which the number declined to 42,536 in 1979-80.

Financing Student Education

Students in health occupation schools in academic year 1976-77 came, to a large extent, from families with income of \$20,000 or more, especially students of medicine (M.D.), dentistry, and optometry. A relatively high proportion of all students had fathers who were college graduates, ranging from 34 percent of pharmacy students to 57 percent of medical (M.D.) students. From 8 to 19 percent of health occupations students had fathers in some health occupation, in contrast with the 3 percent of employed U.S. males active in a health occupation.

The average annual expenses of students in health occupation schools in 1976-77 ranged from \$6,740 for pharmacy students to \$11,720 for students of podiatry. Expenses directly related to schooling (tuition, books, etc.) varied considerably between public and private schools (e.g., optometry school expenses were \$1,750 in public schools and \$4,200 in private schools), whereas board and lodging varied little.

Students derived income or financial support in 1976-77 from a variety of sources, both non-refundable and refundable (i.e., to be paid back). Non-refundable sources account for a very high proportion of the income of all students, but especially for students of public health and pharmacy (96 and 88 percent respectively). Podiatry students had the highest percent of income from refundable sources, but this still was only 31 percent. In general, the main sources of income were contributions of spouse and parents and the students' own earnings and savings. Scholarships represented a comparatively small proportion of student income.

In 1976-77, the average non-refundable income of students in schools for health occupations ranged from \$6,260 for pharmacy to \$13,300 for students in

schools of public health. With regard to refundable income, 42 percent of the pharmacy students received such income, at the lowest average level of \$1,980, while 79 percent of podiatry students received refundable income at the highest average level of \$4,960.

The majority of students in health occupations schools have incurred debts in connection with their education--ranging from 53 percent of pharmacy students to 78 percent of podiatry students. There is a considerable range in average amount of debt, from \$4,570 for pharmacy students to \$11,860 for osteopathy students.

TABLE A-1
 NUMBER OF SCHOOLS, BY SELECTED HEALTH OCCUPATIONS:
 SELECTED ACADEMIC YEARS 1960-61 THROUGH 1979-80 1/

Health occupation	Number of schools					Percent change		
	1960-61	1965-66	1970-71	1975-76	1979-80	1960-61 to 1970-71	1970-71 to 1979-80	1960-61 to 1979-80
	Medicine	92	93	110	123	140	19.6	27.3
Allopathic medicine (M.D.)	86	88	103	114	126	19.8	22.3	46.5
Osteopathic medicine (D.O.)	6	5	7	9	14	16.7	100.0	133.3
Dentistry	47	49	53	59	60	12.8	13.2	27.7
Optometry	10	10	11	12	14	10.0	27.3	40.0
Pharmacy	77	74	74	73	72	-3.9	-2.7	-6.5
Podiatry	5	5	5	5	5	--	--	--
Veterinary medicine	18	18	18	19	23	--	27.8	27.8
Registered nursing 2/	1,137	1,193	1,355	1,375	1,389	19.2	2.5	22.2

1/ The academic year 1979-80 is used because comparable data for all schools are available for that year. 1980-81 data are given for schools of dentistry, pharmacy, veterinary medicine, and registered nursing in the appropriate individual tables for those occupations.

2/ Counts for all years are for nurse training programs; in 1979-80, there were 1,389 programs in 1,367 schools.

SOURCE: For sources of data, see the respective table for each occupation on trends in number of schools, students, and graduates.

TABLE A-2
 TOTAL NUMBER OF STUDENTS IN SCHOOLS FOR SELECTED HEALTH OCCUPATIONS:
 SELECTED ACADEMIC YEARS 1960-61 THROUGH 1979-80 1/

Health occupation	Total number of students					Percent change		
	1960-61	1965-66	1970-71	1975-76	1979-80	1960-61 to 1970-71	1970-71 to 1979-80	1960-61 to 1979-80
	Medicine	32,232	34,516	42,389	59,223	68,344	31.5	61.2
Allopathic medicine (M.D.)	30,288	32,835	40,238	55,818	63,800	32.8	58.6	110.6
Osteopathic medicine (D.O.)	1,944	1,681	2,151	3,405	4,544	10.6	111.2	133.7
Dentistry	13,580	14,020	16,553	20,767	22,482	21.9	35.8	65.6
Optometry	1,101	1,745	2,831	3,888	4,524	157.1	59.8	310.9
Pharmacy	13,606	12,495	15,626	24,416	23,074	14.8	47.7	69.6
Podiatry	478	707	1,147	2,085	2,531	140.0	120.7	429.5
Veterinary medicine	3,497	4,119	5,006	6,274	7,803	43.1	55.9	123.1
Registered nursing	118,849	135,702	164,545	250,385	237,580	38.4	44.4	99.9

1/ The academic year 1979-80 is used because comparable data for all listed occupations are available for that year. 1980-81 data for total students are given for dentistry, pharmacy, veterinary medicine, and registered nursing in the appropriate individual tables for those occupations.

SOURCE: For sources of data, see the respective table for each occupation on trends in number of schools, students, and graduates.

TABLE A-3
NUMBER OF FIRST-YEAR STUDENTS IN SCHOOLS FOR SELECTED HEALTH OCCUPATIONS:
SELECTED ACADEMIC YEARS 1960-61 THROUGH 1979-80 ^{1/}

Health Occupation	Number of first-year students					Percent change		
	1960-61	1965-66	1970-71	1975-76	1979-80	1960-61 to 1970-71	1970-71 to 1979-80	1960-61 to 1979-80
Medicine	8,794	9,224	11,971	16,333	18,299	36.1	52.9	108.1
allopathic medicine (M.D.)	8,298	8,760	11,348	15,295	16,930	36.7	49.2	104.0
osteopathic medicine (D.O.)	496	464	623	1,038	1,369	25.6	119.7	176.0
Dentistry	3,616	3,806	4,565	5,763	6,132	26.2	34.3	69.6
Optometry	407	643	884	1,057	1,209	117.2	36.8	197.1
Pharmacy	5,824	4,647	5,864	8,710	8,035	1.0	37.0	38.0
Podiatry	127	223	351	641	718	176.4	104.5	465.4
Veterinary medicine	953	1,242	1,430	1,712	2,247	45.5	57.1	128.6
Registered nursing	49,487	60,701	79,282	113,311	107,368	60.2	35.4	117.0

The academic year 1979-80 is used because comparable data for all listed occupations are available for that year. 1980-81 data for first-year students are given for dentistry, pharmacy, and veterinary medicine in the appropriate individual tables for those occupations.

^{1/} For sources of data, see the respective table for each occupation on trends in number of schools, students, and graduates.

TABLE A-4
NUMBER OF GRADUATES FROM SCHOOLS FOR SELECTED HEALTH OCCUPATIONS:
SELECTED ACADEMIC YEARS 1960-61 THROUGH 1979-80 ^{1/}

Health Occupation	Number of graduates					Percent change		
	1960-61	1965-66	1970-71	1975-76	1979-80	1960-61 to 1970-71	1970-71 to 1979-80	1960-61 to 1979-80
Medicine	7,500	7,943	9,446	14,373	16,170	25.9	71.2	115.6
allopathic medicine (M.D.)	6,994	7,574	8,974	13,561	15,135	28.3	33.6	116.4
osteopathic medicine (D.O.)	506	369	472	812	1,035	-6.7	119.3	104.5
Dentistry	3,290	3,198	3,775	5,336	5,256	14.7	39.2	59.8
Optometry	316	413	528	902	1,056 ^{2/}	67.1	100.0 ^{2/}	234.2 ^{2/}
Pharmacy	3,136	3,704	4,747	7,757	7,278	38.1	53.3	111.7
Podiatry	115	135	241	497	572 ^{2/}	107.7	137.3 ^{2/}	393.1 ^{2/}
Veterinary medicine	634	813	1,239	1,523	1,845	50.4	48.9	123.9
Registered nursing	30,267	35,125	47,001	77,633	76,415	55.3	62.6	152.5

The academic year 1979-80 is used because comparable data for graduates in all listed occupations, except optometry and podiatry, are available for that year.

^{2/} Data are for academic year 1978-79.

^{1/} For sources of data, see the respective table for each occupation on trends in number of schools, students, and graduates.

Table A-5
NUMBER AND PERCENT OF MINORITY STUDENTS IN SCHOOLS FOR SELECTED HEALTH OCCUPATIONS:
ACADEMIC YEARS 1971-72, 1975-76, AND 1979-80 1/

Health occupation	1971-72			1975-76			1979-80		
	Minority and non-minority students	Minority students	Percent minority	Minority and non-minority students	Minority students	Percent minority	Minority and non-minority students	Minority students	Percent minority
Dentistry	13,031	1,300	10.0	16,333	1,642	11.3	18,299	2,330	12.7
Podiatric medicine (M.D.) 2/	12,361	1,280	10.4	15,295	1,787	11.7	16,930	2,237	13.2
Podiatric medicine (D.O.) 2/	670	20	3.0	1,038	55	5.3	1,369	93	6.8
Podiatry 3/	4,705	412	8.8	5,697	637	11.2	6,066	745	12.3
Pharmacy 4/	3,094	181	5.9	3,888	309	7.9	4,500 5/	344	7.6
Pharmacy 4/ 6/	16,322	1,645	10.1	23,836	2,090	8.8	22,560	2,440	10.8
Podiatry 4/	1,268	40	3.2	2,085	125	6.0	2,531	189	7.5
Veterinary medicine 4/	5,149	133	2.6	6,274	204	3.3	7,803	313	4.0
Registered nursing 2,5/	91,896	9,889	10.8	89,706 6/	11,322 6/	12.6 6/	101,438 2/	10,313 2/	10.2 2/
Public health 4,5/	*	*	*	5,806	1,282	22.1	7,276	1,607	22.1

* Data not available.

1/ The academic year 1979-80 is used because comparable minority data for all listed occupations, except registered nursing, are available for that year. 1980-81 data are given for dentistry, pharmacy, podiatry, and veterinary medicine in the appropriate individual minority tables for those occupations.

2/ All data for these occupations are for first-year students.

3/ All data for these occupations are for total students.

4/ Some students are omitted from the counts because relevant minority enrollment data were not available.

5/ These students are omitted from the counts because relevant minority enrollment data were not available.

6/ These data are for 1974-75.

7/ These data are for 1977-78.

8/ For sources of data, see the respective table for each occupation (except registered nursing) on number and percent of minority students. Registered nursing data estimated by Health Resources Administration, Bureau of Health Professions, Division of Health Professions Analysis, based on data from the National League for Nursing and the American Nurses' Association.

TABLE A-6
NUMBER AND PERCENT OF FEMALE STUDENTS IN SCHOOLS FOR SELECTED HEALTH OCCUPATIONS:
ACADEMIC YEARS 1970-71, 1975-76, AND 1979-80 1/

Health occupation	1970-71			1975-76			1979-80		
	Male and female students	Female students	Percent female	Male and female students	Female students	Percent female	Male and female students	Female students	Percent female
Dentistry	11,971	1,273	10.6	16,333	3,787	23.2	18,299	4,968	27.2
Podiatric medicine (M.D.) 2/	11,348	1,256	11.1	15,295	3,647	23.8	16,930	4,713	27.8
Podiatric medicine (D.O.) 2/	673	17	2.7	1,038	140	13.5	1,369	255	18.6
Podiatry 3/	4,563	94	2.1	5,763	707	12.3	6,132	1,076	17.6
Pharmacy 4/	2,831	82	2.9	3,888	456	11.7	4,500 4/	868	19.3
Pharmacy 4/ 6/	15,626	3,370	21.6	24,416	8,113	33.2	23,074	10,046	43.5
Podiatry 4/	1,147	16	1.4	2,085	100	4.8	2,531	305	12.1
Veterinary medicine 4/	5,006	467	9.3	6,274	1,468	23.7	7,803	2,858	36.6
Registered nursing 2,4/	85,072 5/	79,907 5/	93.9 5/	89,706 6/	83,510 6/	93.1 6/	101,438 2/	95,079 2/	93.7 2/
Public health 3,4/	*	*	*	6,020	2,857	47.5	7,346	3,949	53.8

* Data not available.

1/ The academic year 1979-80 is used because comparable male/female enrollment data for all listed occupations, except registered nursing, are available for that year. 1980-81 data are given for dentistry, pharmacy, podiatry, and veterinary medicine in the appropriate individual tables for those occupations.

2/ All data for these occupations are for first-year students.

3/ All data for these occupations are for total students.

4/ Some students are omitted from the counts because relevant male/female enrollment data were not available.

5/ These data are for 1971-72.

6/ These data are for 1974-75.

7/ These data are for 1977-78.

8/ For sources of data, see the respective table for each occupation (except registered nursing) on number and percent of female students. Registered nursing data estimated by Health Resources Administration, Bureau of Health Professions, Division of Health Professions Analysis, based on data from the National League for Nursing and the American Nurses' Association.

TABLE B-1
 NUMBER OF MEDICAL SCHOOLS, STUDENTS, AND GRADUATES:
 SELECTED ACADEMIC YEARS 1950-51 THROUGH 1979-80 ^{1/}

Academic year	Number of schools	Number of students		Number of graduates
		Total	First year	
1950-51	79	26,186	7,177	6,135
1955-56	82	28,639	7,686	6,845
1960-61	86	30,288	8,298	6,994
1961-62	87	31,078	8,483	7,168
1962-63	87	31,491	8,642	7,264
1963-64	87	32,001	8,842	7,336
1964-65	88	32,428	8,836	7,409
1965-66	88	32,835	8,760	7,574
1966-67	89	33,423	8,991	7,743
1967-68	94	34,538	9,473	7,973
1968-69	99	35,833	9,863	8,059
1969-70	101	37,690	10,422	8,367
1970-71	103	40,238	11,348	8,974
1971-72	108	43,650	12,361	9,551
1972-73	112	47,366	13,677	10,391
1973-74	114	50,751	14,159	11,613
1974-75	114	53,554	14,763	12,714
1975-76	114	55,818	15,295	13,561
1976-77	116	57,765	15,613	13,607
1977-78	122	60,039	16,136	14,393
1978-79	125	62,213	16,501	14,966
1979-80	126	63,800	16,930	15,135

^{1/} Includes schools of basic medical sciences.

SOURCE: "Datagram: 1979-80 Enrollment in U.S. Medical Schools," in Journal of Medical Education 55:1042-1044, December 1980. Also prior Datagrams.

Data for academic years 1950-51 through 1979-80 from American Medical Association. 80th Annual Report, Medical Education in the United States 1979-80, in Journal of the American Medical Association 244:2,801-2,872, December 26, 1980.

TABLE B-2
 NUMBER OF MEDICAL SCHOOL APPLICANTS IN RELATION TO NUMBER
 OF FIRST-YEAR MEDICAL STUDENTS: ACADEMIC YEARS 1960-61 THROUGH 1979-80

Academic year	Number of applicants	Number of first-year students	Number of applicants per first-year student	Percent of applicants enrolled
1960-61	14,397	8,298	1.7	58
1961-62	14,381	8,483	1.7	59
1962-63	15,847	8,642	1.8	54
1963-64	17,668	8,842	2.0	50
1964-65	19,168	8,836	2.2	46
1965-66	18,703	8,760	2.1	47
1966-67	18,250	8,891	2.0	49
1967-68	18,724	9,473	2.0	51
1968-69	21,118	9,863	2.1	47
1969-70	24,465	10,422	2.3	43
1970-71	24,987	11,348	2.2	45
1971-72	29,172	12,361	2.4	42
1972-73	36,135	13,677	2.6	38
1973-74	40,506	14,159	2.9	35
1974-75	42,624	14,763	2.9	35
1975-76	42,303	15,295	2.8	36
1976-77	42,155	15,613	2.7	37
1977-78 ^{1/}	40,569	16,136	2.5	40
1978-79	36,636	16,501	2.2	45
1979-80	36,141	16,930	2.1	47

^{1/} Applicant and first-year student data for this year do not include data for charter classes of three new medical schools.

SOURCE: "Datagram: Applicants for 1978-79 First-Year Medical School Class," in Journal of Medical Education 55:74-76, January 1980. Also prior Datagrams.

Unpublished applicant data for 1979-80 from American Association of Medical Colleges.

"Datagram: 1979-80 Enrollment in U.S. Medical Schools," in Journal of Medical Education 55:1042-1044, December 1980. Also prior Datagrams.

TABLE B-3

NUMBER OF MEDICAL SCHOOLS, STUDENTS, AND GRADUATES, BY STATE:
ACADEMIC YEAR 1979-80

State	Number of schools	Number of students		Number of graduates
		Total	First year	
All States	126	63,800	16,940	15,136
Alabama	1	64	160	130
Arizona	1	325	39	39
Arkansas	1	533	145	145
California	8	4,157	1,005	954
Colorado	1	521	129	129
Connecticut	1	794	184	160
Delaware	3	1,931	501	477
Florida	3	1,395	396	384
Georgia	1	1,159	324	29
Hawaii	1	297	66	7
Illinois	7	4,174	1,075	1,060
Indiana	1	1,241	315	258
Iowa	1	711	177	171
Kansas	1	651	207	184
Kentucky	2	1,038	249	260
Louisiana	3	1,721	447	423
Maryland	3	1,521	450	319
Massachusetts	4	2,269	558	530
Michigan	3	2,407	611	589
Minnesota	3	1,350	340	316
Mississippi	1	600	153	152
Missouri	4	1,137	474	437
Montana	1	984	267	249
Nebraska	1	111	49	46
Nevada	1	200	65	63
New Hampshire	1	1,006	269	217
New Jersey	1	293	73	70
New Mexico	1	6,807	1,637	1,674
New York	4	1,676	437	387
North Carolina	1	1,136	66	67
North Dakota	1	1,456	314	298
Ohio	1	763	191	184
Oklahoma	1	560	116	111
Oregon	2	4,460	1,197	1,146
Pennsylvania	1	657	171	161
Rhode Island	1	711	206	195
South Carolina	1	283	66	46
South Dakota	1	1,668	510	501
Tennessee	2	3,811	1,112	711
Texas	1	414	100	49
Utah	1	234	43	40
Vermont	1	1,470	410	368
Virginia	1	726	191	171
Washington	1	434	6	11
Washington State	1	1,200	317	317
West Virginia	1	594	151	147

Source: American Medical Association, "Medical Schools and Their Graduates," *Journal of the American Medical Association*, 244:2, 372-373, 1972.

Source: American Medical Association, "Medical Schools and Their Graduates," *Journal of the American Medical Association*, 244:2, 372-373, 1972.

Source: American Medical Association, "80th Annual Report, Medical Education in the United States 1979-1980," in *Journal of the American Medical Association*, 244:2, 301-3, 1972, paragraph 16, 1980.

TABLE B-4

 NEW ENGLAND FIRST-YEAR STUDENTS IN MEDICAL SCHOOLS:
 ACADEMIC YEARS 1970-71 THROUGH 1979-80

Academic year	All first-year students	Race/ethnicity category					Total minority	Percent minority
		Black	Hispanic	Portuguese	Asian Indian	Other minority		
1970-71	11,348	89	1	19	4	113	998	8.7
1971-72	12,361	100	1	27	4	132	1,089	8.8
1972-73	13,677	80	1	27	4	112	1,477	10.8
1973-74	14,159	1,007	1	139	4	114	1,661	11.7
1974-75	14,763	1,107	1	14	4	126	1,946	13.2
1975-76	15,295	1,107	1	14	4	126	1,768	11.5
1976-77	15,613	1,106	1	14	4	126	1,847	11.8
1977-78	16,136	1,211	1	14	4	126	2,160	13.4
1978-79	16,501	1,171	1	14	4	126	2,146	12.9
1979-80	16,930	1,174	1	14	4	126	2,237	13.2

Students of Commonwealth of Massachusetts are not included in the "percent" data column, but their names resident on U.S. are included.

Students were not provided for the "other minority" for some years. Where such data are provided, they include students of Puerto Rican descent.

Datagram: 1979-80 Enrollment in U.S. Medical Schools, in Journal of Medical Education 55:1042-1044, December 1980. Also prior Datagrams.

TABLE B-5

 FIRST-YEAR STUDENTS IN MEDICAL SCHOOLS, BY SEX:
 ACADEMIC YEARS 1970-71 THROUGH 1979-80

Academic year	All first-year students	Male students	Female students	Percent female of first-year students
1970-71	11,348	10,092	1,256	11.1
1971-72	12,361	10,668	1,693	13.7
1972-73	13,677	11,377	2,300	16.8
1973-74	14,159	11,369	2,790	19.7
1974-75	14,763	11,488	3,275	22.2
1975-76	15,295	11,648	3,647	23.8
1976-77	15,613	11,755	3,858	24.7
1977-78	16,136	12,006	4,130	25.6
1978-79	16,501	12,339	4,162	25.2
1979-80	16,930	12,217	4,713	27.8

SOURCE: "Datagram: 1979-80 Enrollment in U.S. Medical Schools," in Journal of Medical Education 55:1042-1044, December 1980. Also prior Datagrams.

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TABLE B-7
 NUMBER AND PERCENT DISTRIBUTION OF FIRST-YEAR MEDICAL RESIDENTS,
 BY GENERAL PRACTICE AND SPECIALTY: SEPTEMBER 1, 1960, 1970, AND 1978

Specialty	First-year residents ¹					
	1960		1970		1978	
	Number	Percent distribution	Number	Percent distribution	Number	Percent distribution
All first-year residents	14,556	100.0	14,556	100.0	22,291	100.0
General practice ²	364	3.3	275	1.9	2,296	10.3
Specialties	3,188	28.8	4,533	31.1	9,219	41.4
Anesthesiology	102	0.9	205	1.4	291	1.3
Internal medicine	2,193	19.8	3,044	20.9	6,771 ^{2/3}	30.4
Pediatrics	893	8.1	1,284	8.8	2,157	9.7
Surgical specialties	4,274	38.6	5,301	36.4	6,238	28.0
General surgery	2,122	19.2	2,514	17.3	2,746	12.3
Orthopedic surgery	101	0.9	141	1.0	121	0.5
Obstetrics and gynecology	917	8.3	857	5.9	1,218	5.5
Urology	88	2.6	460	3.2	523	2.3
Thoracic surgery	112	3.2	528	3.6	684	3.1
Plastic surgery	153	1.4	234	1.6	270	1.2
Neurological surgery	47	0.4	120	0.8	200	0.9
Ear, nose, and throat surgery	--	--	11	0.1	39	0.2
Ophthalmology	89	0.8	125	0.8	144	0.7
Radiology	204	1.8	311	2.1	293	1.3
Other specialties	3,244	29.3	4,447	30.6	7,538	33.7
Allergy and immunology	550	5.0	688	4.7	607	2.7
Cardiology	18	0.3	178	1.2	288	1.3
Dermatology	149	1.3	283	1.9	437	2.0
Endocrinology	757	5.8	758	5.2	814	3.6
Environmental and occupational medicine	55	0.5	101	0.8	161	0.7
Psychiatry	1,090	9.8	1,388	9.5	1,081	4.8
Radiology (other)	544	4.9	1,051	7.2	950	4.3
Neurological ³	71	0.7	--	--	200	0.9

¹ Family practice was not a recognized specialty in 1960.

² Includes allergy and immunology.

³ Includes pediatric allergy and pediatric dermatology.

⁴ Includes clinical genetic pathology.

⁵ Includes both diagnostic and therapeutic radiology.

⁶ Includes aerospace medicine, occupational medicine, public health, general preventive medicine, and nuclear medicine.

⁷ Data compiled by Health Resources Administration, Bureau of Health Professions, Division of Health Professions. Analysis, based on data from American Medical Association, Directory of Residency Training Programs, 1979-80. Also 1961 and 1971-72 editions.

TABLE B-8
 AVERAGE FIRST-YEAR TUITION FOR RESIDENT AND NON-RESIDENT
 MEDICAL STUDENTS, BY PRIVATE AND PUBLIC SCHOOL:
 ACADEMIC YEARS 1970-71 THROUGH 1980-81

Academic year	First-year tuition				
	All schools	Public schools	Private schools		
			All types	State- related	Other private
			<u>Resident</u>		
1970-71	\$1,278	\$ 663	\$1,988	\$ 699	\$2,110
1971-72	1,386	742	2,157	921	2,275
1972-73	1,444	765	2,286	982	2,410
1973-74	1,552	849	2,463	1,266	2,638
1974-75	1,811	949	2,639	1,058	2,865
1975-76	1,816	992	2,929	1,638	3,110
1976-77	2,025	1,072	3,264	1,542	3,642
1977-78	2,408	1,133	4,203	2,267	4,635
1978-79	2,827	1,381	4,843	3,025	5,207
1979-80	3,654	1,725	6,548	5,194	6,769
1980-81	4,172	1,827	7,621	6,281	7,800
			<u>Non-resident</u>		
1970-71	\$1,622	\$1,230	\$2,066	\$1,600	\$2,110
1971-72	1,810	1,446	2,246	1,938	2,275
1972-73	1,945	1,597	2,377	2,032	2,410
1973-74	2,161	1,808	2,619	2,489	2,638
1974-75	2,401	1,960	2,961	2,438	2,865
1975-76	2,471	2,064	3,094	2,985	3,110
1976-77	2,821	2,318	3,584	2,922	3,642
1977-78	3,198	2,420	4,491	3,837	4,635
1978-79	3,893	3,027	5,129	4,741	5,207
1979-80	5,032	3,826	6,793	6,936	6,769
1980-81	5,574	3,963	7,882	8,500	7,800

SOURCE: Compiled by Health Resources Administration, Bureau of Health Professions, Division of Health Professions Analysis, based on data from the American Medical Association. 80th Annual Report, Medical Education in the United States 1979-1980, in Journal of the American Medical Association 244:2,801-2,872, December 26, 1980. Also prior annual issues.

TABLE C-1
NUMBER OF SCHOOLS OF OSTEOPATHY, STUDENTS, AND GRADUATES:
ACADEMIC YEARS 1960-61 THROUGH 1979-80

Academic year	Number of schools	Number of students		Number of graduates
		Total	First year	
1960-61	6	1,944	496	506
1961-62	6	1,913	530	362
1962-63	5	1,581	433	362
1963-64	5	1,594	441	354
1964-65	5	1,661	472	395
1965-66	5	1,681	464	369
1966-67	5	1,763	480	405
1967-68	5	1,823	509	427
1968-69	5	1,879	521	427
1969-70	6	1,997	577	432
1970-71	7	2,151	623	472
1971-72	7	2,304	670	485
1972-73	7	2,579	810	649
1973-74	7	2,780	884	587
1974-75	9	3,139	974	698
1975-76	9	3,405	1,038	812
1976-77	10	3,818	1,088	891
1977-78	12	3,916	1,163	963
1978-79	14	4,220	1,322	1,004
1979-80	14	4,544	1,369	1,035

SOURCE: Data compiled by Health Resources Administration, Bureau of Health Professions, Division of Health Professions Analysis, based on data from the American Osteopathic Association, and the American Association of Colleges of Osteopathic Medicine.

TABLE OF
 NUMBER OF STUDENTS AND GRADUATES OF INDIVIDUAL SCHOOLS
 OF OSTEOPATHIC MEDICINE, BY STATE, ACADEMIC YEAR 1979-80

State	School	Number of students		Number graduates
		Total	First year	
		4,544	1,369	1,048
ALABAMA	College of Osteopathic Medicine of the South	90	54	46
ARIZONA	College of Osteopathic Medicine	376	96	70
ARIZONA	College of Osteopathic Medicine and Surgery	505	180	137
ARIZONA	College of Osteopathic Medicine and Surgery	92	56	44
ARIZONA	Montana State University, College of Osteopathic Medicine	342	115	87
KANSAS	Kansas City College of Osteopathic Medicine	616	164	143
KANSAS	Wichita College of Osteopathic Medicine	508	132	115
NEW JERSEY	New Jersey School of Osteopathic Medicine	84	32	22
NEW YORK	New York Institute of Technology, College of Osteopathic Medicine	156	66	44
OHIO	Ohio State University, College of Osteopathic Medicine	143	48	31
OKLAHOMA	Washburn College of Osteopathic Medicine and Surgery	231	92	70
PENNSYLVANIA	Philadelphia College of Osteopathic Medicine	306	209	150
TENNESSEE	Texas College of Osteopathic Medicine	303	84	70
WEST VIRGINIA	West Virginia School of Osteopathic Medicine	120	60	40

Statistics compiled by Health Resources Administration, Bureau of Health Professions, Division of Health Professions Analysis, based on data from the American Osteopathic Association, and the American Association of Colleges of Osteopathic Medicine.

TABLE C-3
 MINORITY STUDENTS IN FIRST YEAR OF SCHOOL OF OSTEOPATHY:
 ACADEMIC YEARS 1971-72 THROUGH 1979-80

Academic year	All first-year students	Racial/ethnic category				Total minority	Percent minority of first-year students
		Black	Hispanic	Oriental	American Indian		
1971-72	670	10	5	4	1	20	3.0
1972-73	810	13	7	--	3	23	2.8
1973-74	884	10	2	8	4	24	2.7
1974-75	974	26	6	7	1	40	4.1
1975-76	1,038	23	10	15	7	55	5.3
1976-77	1,088	26	12	15	6	59	5.4
1977-78	1,163	26	13	16	8	63	5.4
1978-79	1,322	31	17	16	10	74	5.6
1979-80	1,369	40	18	29	6	93	6.8

SOURCE: Data compiled by Health Resources Administration, Bureau of Health Professions, Division of Health Professions Analysis, based on data from American Osteopathic Association and American Association of Colleges of Osteopathic Medicine.

TABLE C-4
 FIRST-YEAR STUDENTS IN SCHOOLS OF OSTEOPATHY, BY SEX:
 ACADEMIC YEARS 1970-71 THROUGH 1979-80

Academic year	All first-year students	Male students	Female students	Percent female of first-year students
1970-71	623	606	17	2.7
1971-72	670	641	29	4.3
1972-73	810	754	56	6.9
1973-74	884	801	83	9.4
1974-75	974	868	106	10.9
1975-76	1,038	898	140	13.5
1976-77	1,088	909	179	16.5
1977-78	1,163	971	192	16.5
1978-79	1,322	1,100	222	16.8
1979-80	1,369	1,114	255	18.6

SOURCE: Data compiled by Health Resources Administration, Bureau of Health Professions, Division of Health Professions Analysis, based on data from the American Osteopathic Association, and the American Association of Colleges of Osteopathic Medicine.

TABLE D-1
 NUMBER OF DENTAL SCHOOLS, STUDENTS, AND GRADUATES:
 SELECTED ACADEMIC YEARS 1950-51 THROUGH 1980-81

Academic year	Number of schools	Number of students		Number of graduates
		Total	First year	
1950-51	42	11,891	3,226	2,830
1955-56	43	12,730	3,445	3,038
1960-61	47	13,580	3,616	3,290
1961-62	47	13,513	3,605	3,207
1962-63	48	13,576	3,680	3,233
1963-64	48	13,691	3,770	3,213
1964-65	49	13,876	3,836	3,181
1965-66	49	14,020	3,806	3,198
1966-67	49	14,421	3,942	3,360
1967-68	50	14,955	4,200	3,457
1968-69	52	15,408	4,203	3,433
1969-70	53	16,008	4,355	3,749
1970-71	53	16,553	4,565	3,775
1971-72	52	17,305	4,745	3,961
1972-73	56	18,376	5,337	4,230
1973-74	58	19,369	5,445	4,515
1974-75	58	20,146	5,617	4,969
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	--1

1/ Data are not available at this time.

SOURCE: American Dental Association, Council on Dental Education. Dental Students' Register for each selected academic year from 1950-51 through 1966-67. Annual Report on Dental Education for all subsequent academic years.

TABLE D-2

NUMBER OF DENTAL SCHOOL APPLICANTS IN RELATION TO NUMBER OF
FIRST-YEAR DENTAL STUDENTS: ACADEMIC YEARS 1960-61 THROUGH 1979-80

Academic year	Number of applicants	Number of first-year students	Number of applicants per first-year student	Percent of applicants enrolled
1960-61	6,119	3,616	1.7	59
1961-62	5,841	3,605	1.6	62
1962-63	6,566	3,680	1.8	56
1963-64	8,969	3,770	2.4	42
1964-65	9,598	3,836	2.5	40
1965-66	9,988	3,806	2.6	38
1966-67	10,177	3,942	2.6	39
1967-68	10,264	4,200	2.4	41
1968-69	9,037	4,203	2.2	46
1969-70	10,325	4,355	2.4	42
1970-71	10,413	4,565	2.3	44
1971-72	11,012	4,745	2.3	43
1972-73	13,542	5,337	2.5	39
1973-74	14,876	5,445	2.7	37
1974-75	14,970	5,617	2.7	38
1975-76	15,734	5,763	2.7	37
1976-77	14,807	5,935	2.5	40
1977-78	12,835	5,954	2.2	46
1978-79	11,753	6,301	1.9	54
1979-80	10,520	6,132	1.7	58

SOURCE: Data compiled by Health Resources Administration, Bureau of Health Professions, Division of Health Professions Analysis, based on data from American Association of Dental Schools. Applicant Analysis, 1978 and 1979 Entering Classes. Also prior reports for 1977, 1976, and 1975.

American Dental Association, Council on Dental Education. Analysis of Applicants to Dental School and First-Year Enrollment 1974. Supplement 7 to Annual Report on Dental Education 1974-75. Also prior annual reports.

TABLE D-3
NUMBER OF DENTAL SCHOOLS, STUDENTS, AND GRADUATES,
BY STATE: 1980

State	Number of schools	Number of students as of October 15, 1980		Number of graduates 1979-80
		Total	First year	
Total	60	22,842	6,030	5,256
Alabama	1	297	72	64
California	5	2,125	586	556
Colorado	1	101	26	25
Connecticut	1	193	51	43
District of Columbia	2	1,010	264	222
Florida	1	256	66	63
Georgia	2	666	168	150
Illinois	4	1,782	489	401
Indiana	1	511	132	116
Iowa	1	370	94	93
Kentucky	2	562	146	139
Louisiana	1	358	101	91
Maryland	1	530	138	126
Massachusetts	3	734	226	206
Michigan	2	933	235	214
Minnesota	1	579	150	137
Mississippi	1	159	48	22
Missouri	2	965	245	171
Nebraska	2	570	144	138
New Jersey	2	667	178	79
New York	4	1,489	389	352
North Carolina	1	317	86	72
Ohio	2	948	260	288
Oklahoma	2	338	94	61
Oregon	1	309	80	76
Pennsylvania	3	1,697	425	413
South Carolina	1	223	57	1
Tennessee	2	788	184	103
Texas	3	1,477	415	381
Virginia	1	434	113	106
Washington	1	402	101	91
West Virginia	1	245	64	58
Wisconsin	1	546	137	135
Puerto Rico	1	261	66	63

SOURCE: American Dental Association, Council on Dental Education.
Annual Report on Dental Education, 1980-81.

TABLE D-4
 MINORITY STUDENTS IN FIRST YEAR OF DENTAL SCHOOL:
 ACADEMIC YEARS 1971-72 THROUGH 1980-81 ^{1/}

Academic year	All first-year students	Racial/ethnic category					Total minority	Percent minority of first-year students
		Black	Hispanic	Oriental	American Indian	Other minority		
1971-72	4,705	245	40	112	4	11	412	8.8
1972-73	5,287	266	56	138	5	10	475	9.0
1973-74	5,389	273	69	141	12	34	529	9.8
1974-75	5,555	279	75	142	12	43	551	9.9
1975-76	5,697	298	75	186	22	56	637	11.2
1976-77	5,869	291	96	174	21	68	650	11.1
1977-78	5,890	296	110	225	10	^{2/}	641	10.9
1978-79	6,235	280	122	263	16	^{2/}	681	10.9
1979-80	6,066	274	163	289	19	^{2/}	745	12.3
1980-81	5,964	283	160	317	12	^{2/}	772	12.9

^{1/} Excludes students at University of Puerto Rico.

^{2/} The category of "Other minority" was eliminated from first-year student data for 1977-78 and subsequent years.

SOURCE: American Dental Association, Council on Dental Education. Minority Student Enrollment and Opportunities in U.S. Dental Schools, for 1971-72 and for 1972-73. Minority Report; Supplement of Annual Report on Dental Education 1973-74, and reports for subsequent academic years.

TABLE D-5
FIRST-YEAR STUDENTS IN DENTAL SCHOOLS, BY SEX:
ACADEMIC YEARS 1970-71 THROUGH 1980-81

Academic year	All first-year students	Male students	Female students	Percent female of first-year students
1970-71	4,565	4,471	94	2.1
1971-72	4,745	4,598	147	3.1
1972-73	5,337	5,113	224	4.2
1973-74	5,445	5,054	391	7.2
1974-75	5,617	4,986	631	11.2
1975-76	5,763	5,056	707	12.3
1976-77	5,935	5,133	802	13.5
1977-78	5,954	5,074	880	14.8
1978-79	6,301	5,301	1,000	15.9
1979-80	6,132	5,056	1,076	17.6
1980-81	6,030	4,836	1,194	19.8

SOURCE: American Dental Association, Council on Dental Education. Annual Report on Dental Education, 1980-81. Also prior annual issues.

TABLE D-6
GRADUATES OF DENTAL GENERAL PRACTICE RESIDENCIES
AND DENTAL SPECIALTY PROGRAMS: 1975-1980

Type of graduate	Year of graduation					
	1975	1976	1977	1978	1979	1980
All graduates	1,886	1,930	1,919	1,900	1,931	2,048
General practice graduates	641	721	695	746	817	916
Specialty graduates, total	1,245	1,209	1,224	1,154	1,114	1,132
Orthodontics	356	313	287	280	277	256
Oral surgery	216	222	217	211	213	206
Periodontics	192	183	206	162	159	182
Pedodontics	172	151	169	162	155	167
Endodontics	134	146	144	130	121	142
Prosthodontics	141	151	161	170	156	151
Oral pathology	17	19	21	24	26	15
Public health dentistry	17	24	19	15	7	13

SOURCE: American Dental Association, Council on Dental Education. Annual Report on Advanced Dental Education, 1980-81. Also prior annual issues.

TABLE D-7
STUDENTS AND GRADUATES IN DENTAL GENERAL PRACTICE RESIDENCIES
AND DENTAL SPECIALTY PROGRAMS: 1980

Type of program	Number of students as of October 15, 1980		Number of graduates 1979-80
	Total	First year	
All programs	3,803	2,149	2,048
General practice residencies, total	1,020	942	916
Dental schools	127	110	93
Non-dental-school institutions	893	832	823
Specialty programs, total	2,783	1,207	1,132
Dental schools, total	2,042	916	837
Orthodontics	517	260	234
Oral surgery	330	105	96
Periodontics	358	167	154
Pedodontics	281	138	122
Endodontics	235	107	119
Prosthodontics	247	114	98
Oral pathology	54	19	12
Public health dentistry	20	6	2
Non-dental-school institutions, total	741	291	295
Orthodontics	51	23	22
Oral surgery	367	112	110
Periodontics	50	23	28
Pedodontics	96	52	45
Endodontics	47	22	23
Prosthodontics	103	39	53
Oral pathology	9	4	3
Public health dentistry	18	16	11

SOURCE: American Dental Association, Council on Dental Education. Annual Report on Advanced Dental Education, 1980-81.

Table D-8

VERAGE FIRST-YEAR TUITION FOR RESIDENT AND NON-RESIDENT
DENTAL STUDENTS, BY PUBLIC AND PRIVATE SCHOOLS:
ACADEMIC YEARS 1970-71 THROUGH 1980-81

Academic year	First-year tuition				
			Private schools		
	All schools	Public schools	All types	State- related	Other private
	<u>Resident</u>				
1970-71	\$1,308	1,772	\$2,062	\$1,648	\$2,208
1971-72	1,418	792	2,208	1,612	2,418
1972-73	1,435	843	2,264	1,839	2,439
1973-74	1,744	1,128	2,831	2,122	3,185
1974-75	1,928	1,176	2,992	2,623	3,257
1975-76	2,206	1,362	3,436	2,812	3,882
1976-77	2,615	1,638	4,039	3,341	4,632
1977-78	3,020	1,812	4,782	4,026	5,422
1978-79	3,311	1,721	5,302	4,836	5,769
1979-80	3,810	1,966	6,463	5,640	6,977
1980-81	4,393	2,117	7,578	6,779	8,111
	<u>Non-resident</u>				
1970-71	\$1,792	\$1,492	\$2,170	\$2,062	\$2,208
1971-72	1,907	1,661	2,352	2,163	2,418
1972-73	2,005	1,722	2,368	2,195	2,439
1973-74	2,338	2,089	2,969	2,536	3,185
1974-75	2,518	2,065	3,160	2,623	3,257
1975-76	2,842	2,363	3,640	3,302	3,882
1976-77	3,438	2,971	4,244	3,786	4,632
1977-78	4,078	3,393	5,020	4,544	5,422
1978-79	4,431	3,319	5,592	5,416	5,769
1979-80	5,056	3,647	6,912	6,810	6,977
1980-81	5,784	4,077	8,106	7,648	8,411

SOURCE: Data compiled by Health Resources Administration, Bureau of Health Professions, Division of Health Professions Analysis, based on data from the American Dental Association, Council on Dental Education. Annual Report on Dental Education, 1980-81, and prior annual reports.

TABLE E-1
NUMBER OF SCHOOLS OF OPTOMETRY, STUDENTS, AND GRADUATES:
ACADEMIC YEARS 1960-61 THROUGH 1979-80

Academic year	Number of schools	Number of students		Number of graduates
		Total	First year	
1960-61	10	1,101	407	316
1961-62	10	1,180	437	299
1962-63	10	1,263	491	359
1963-64	10	1,364	516	346
1964-65	10	1,547	593	377
1965-66	10	1,745	643	413
1966-67	10	1,882	669	481
1967-68	10	1,962	649	477
1968-69	10	2,203	771	441
1969-70	11	2,486	786	445
1970-71	11	2,831	884	528
1971-72	12	3,094	906	683
1972-73	12	3,328	984	691
1973-74	12	3,529	988	684
1974-75	12	3,704	1,024	806
1975-76	12	3,888	1,027	902
1976-77	12	4,033	1,111	923
1977-78	12	4,209	1,140	978
1978-79	13	4,436	1,180	1,056
1979-80	14	4,524	1,209	-- 1/

1/ Data are not yet available.

SOURCE: Data compiled by Health Resources Administration, Bureau of Health Professions, Division of Health Professions Analysis, based on data from the Association of Schools and Colleges of Optometry and the American Optometric Association.

TABLE E-2
 NUMBER OF STUDENTS AND GRADUATES OF
 PROFESSIONAL SCHOOLS OF OPTOMETRY, BY STATE:

State	Total	Number of students 1979-80		Number of graduates 1978-79
		Total	First year	
All States	4,524	1,209	1,056	
Alabama	181	40	33	
Arizona	371	96	103	
California	295	71	67	
Colorado	598	159	144	
Connecticut	262	70	68	
Florida	362	96	87	
Georgia	110	32	20	
Illinois	249	68	39	
Indiana	233	60	55	
Iowa	31	24	--	
Kansas	207	86	85	
Kentucky	586	152	128	
Louisiana	582	151	143	
Michigan	104	104	83	

Source: Prepared by Health Resources Administration, Bureau of Health Professions Analysis, based on data from the Association of Schools and Colleges of Optometry and the American Optometric Association.

TABLE E-3

MINORITY STUDENTS IN SCHOOLS OF OPTOMETRY: ACADEMIC YEARS 1971-72 THROUGH 1979-80

Academic year	Total students	Racial/ethnic category					Total minority	Percent minority of total students
		Black	Hispanic	Oriental	American Indian			
1971-72	3,094	32	30	117	2	181	5.9	
1972-73	3,328	38	43	134	5	220	6.6	
1973-74	3,529	53	47	157	10	267	7.6	
1974-75	3,704	73	45	153	8	279	7.5	
1975-76	3,888	83	55	166	5	309	7.9	
1976-77	4,033	89	46	157	6	298	7.4	
1977-78	4,209	79	55	153	7	294	7.0	
1978-79	4,436	62	66	166	11	305	6.9	
1979-80	4,500 ^{1/}	56	67	208	13	344	7.6	

1. Excludes the 24 students who comprised the initial first year class in 1979-80 at Northwestern State University in Oklahoma, because racial/ethnic composition is not available.

2. Data compiled by Health Resources Administration, Bureau of Health Professions, Division of Health Professions Analysis, based on data from the Association of Schools and Colleges of Optometry and the American Optometric Association.

TABLE E-4
TOTAL STUDENTS IN SCHOOLS OF OPTOMETRY, BY SEX:
ACADEMIC YEARS 1970-71 THROUGH 1979-80

Academic year	Total students	Male students	Female students	Percent female of total students
1970-71	2,831	2,749	82	2.9
1971-72	3,094	2,982	112	3.6
1972-73	3,328	3,158	170	5.1
1973-74	3,529	3,268	261	7.3
1974-75	3,704	3,353	351	9.5
1975-76	3,888	3,432	456	11.7
1976-77	4,033	3,491	542	13.4
1977-78	4,209	3,562	647	15.4
1978-79	4,436	3,679	757	17.1
1979-80	4,500 ^{1/}	3,632	868	19.3

1) Excludes the 24 students who comprised the initial first-year class in 1979-80 at Northwestern State University in Oklahoma, because male/female composition is not available.

Source: Data compiled by Health Resources Administration, Bureau of Health Professions, Division of Health Professions Analysis, based on data from the Association of Schools and Colleges of Optometry and the American Optometric Association.

TABLE F-1
NUMBER OF SCHOOLS OF PHARMACY, STUDENTS, AND GRADUATES
ACADEMIC YEARS 1960-61 THROUGH 1980-81

Academic year	Number of schools	Number of students		Number of graduates
		Total	First year	
1960-61	77	13,606	5,824	3,438
1961-62	77	10,827	2,137	3,699
1962-63	77	10,632	4,145	4,163
1963-64	76	10,291	4,390	2,195
1964-65	75	12,104	4,491	3,393
1965-66	74	12,495	4,647	3,704
1966-67	74	13,221	5,234	3,782
1967-68	74	14,274	5,616	4,035
1968-69	74	14,932	5,469	4,291
1969-70	74	15,323	5,532	4,758
1970-71	74	15,626	5,864	4,747
1971-72	74	16,808	6,532	4,788
1972-73	73	18,956	7,546	5,184
1973-74	73	21,289	8,342	5,957
1974-75	73	23,235	8,734	6,712
1975-76	73	24,416	8,710	7,757
1976-77	72	24,082	8,208	8,011
1977-78	72	23,884	8,461	7,785
1978-79	72	23,649	8,321	7,556
1979-80	72	23,074	8,035	7,278 ^{2/}
1980-81	72	22,093	7,551	-- ^{3/}

^{1/} Total students includes those in the three years of professional pharmacy education, excluding any in pre-pharmacy years. First year students are in the first of those professional years or, stated another way, students in the third last year.

^{2/} Excludes the University of Southern California because it provided no data on its approximately 125 1979-80 graduates.

^{3/} Data are not yet available.

SOURCE: Data compiled by Health Resources Administration, Bureau of Health Professions, Division of Health Professions Analysis, based on data from the American Association of Colleges of Pharmacy.

TABLE F-2
 NUMBER OF SCHOOLS OF PHARMACY, STUDENTS,
 AND GRADUATES, BY STATE: 1979

State	Number of Schools	Number of Students		Number of Graduates 1979-80
		Total	First Year	
Total	72	22,093	7,851	7,278
Alabama	2	533	137	217
Arizona	1	162	57	51
Arkansas	1	202	75	61
California	3	1,272	436	269
Colorado	1	203	78	65
Connecticut	1	379	97	97
District of Columbia	1	77	26	50
Florida	2	514	201	167
Georgia	2	756	163	229
Idaho	1	173	57	75
Illinois	1	127	176	173
Indiana	2	715	237	228
Iowa	2	405	132	175
Kansas	1	207	93	73
Kentucky	1	251	91	89
Louisiana	2	563	130	182
Maryland	1	240	94	83
Massachusetts	2	1,038	347	391
Michigan	3	919	301	313
Minnesota	1	307	91	109
Mississippi	1	306	116	87
Missouri	2	669	224	196
Montana	1	122	43	39
Nebraska	2	385	138	132
Nevada	1	385	125	99
New Mexico	1	156	40	58
New York	4	2,012	733	674
North Carolina	1	443	162	137
North Dakota	1	224	77	93
Ohio	3	1,111	413	364
Oklahoma	2	575	116	231
Oregon	1	178	128	40
Pennsylvania	4	1,193	545	514
Rhode Island	1	143	75	117
South Carolina	1	282	111	129
South Dakota	1	111	41	54
Tennessee	1	287	95	94
Texas	2	1,079	435	379
Utah	1	170	58	74
Vermont	1	276	100	87
Virginia	2	403	126	145
Washington	1	205	68	64
Washington State	1	450	134	156
West Virginia	1	111	30	45
Wisconsin	1	465	109	147

1. Total students includes those in the three years of professional pharmacy education, excluding any in pre-pharmacy years. First year students are those in the first year of those professional years or, stated another way, students in the third last year.

2. Excludes the University of Southern California because it provided no data on its approximately 100 1979-80 graduates.

3. Source: Data compiled by Health Resources Administration, Bureau of Health Professions, Division of Health Professions Analysis, based on data from the American Association of Colleges of Pharmacy.

TABLE F-3
MINORITY STUDENTS IN SCHOOLS OF PHARMACY: ACADEMIC YEARS 1971-72 THROUGH 1980-81

Academic year	Total students ^{2/}	Racial/ethnic category					Total minority	Percent minority of total students
		Black	Hispanic	Oriental	American Indian	Other minority		
1971-72	16,322	618	203	*	8	816 ^{3/}	1,645	10.1
1972-73	17,909	659	254	672	29	73	1,687	9.4
1973-74	20,376	619	343	651	25	46	1,684	8.3
1974-75	22,662	727	278	646	32	44	1,727	7.6
1975-76	23,836	915	359	685	36	95	2,090	8.8
1976-77	23,465	938	353	725	37	36	2,089	8.9
1977-78	23,273	984	360	761	39	48	2,192	9.4
1978-79	23,078	942	376	840	34	71	2,263	9.8
1979-80	22,560	953	410	971	36	65	2,440	10.8
1980-81	21,628	^{4/} 945	469	1,035	36	41	2,526	11.7

* Data not available.

^{1/} Excludes students at the University of Puerto Rico for all years.

^{2/} Total students includes those in the three years of professional pharmacy education, including any in pre-pharmacy years.

^{3/} Includes mainly Oriental students.

^{4/} Data compiled by Health Resources Administration, Bureau of Health Professions, Division of Health Professions Analysis, based on data from the American Association of Colleges of Pharmacy.

TABLE F-4
TOTAL STUDENTS IN SCHOOLS OF PHARMACY, BY SEX:
ACADEMIC YEARS 1970-71 THROUGH 1980-81

Academic year	Total students ^{1/}	Male students	Female students	Percent female of total students
1970-71	15,626	12,256	3,370	21.6
1971-72	16,808	12,621	4,187	24.9
1972-73	18,956	13,936	5,020	26.5
1973-74	21,289	15,260	6,029	28.3
1974-75	23,235	16,176	7,059	30.4
1975-76	24,416	16,303	8,113	33.2
1976-77	24,082	15,226	8,856	36.8
1977-78	23,884	14,538	9,346	39.1
1978-79	23,649	13,747	9,902	41.9
1979-80	23,074	13,028	10,046	43.5
1980-81	22,093	11,839	10,254	46.4

^{1/} Total students includes those in the three years of professional pharmacy education, excluding any in pre-pharmacy years.

SOURCE: Data compiled by Health Resources Administration, Bureau of Health Professions, Division of Health Professions Analysis, based on data from the American Association of Colleges of Pharmacy.

TABLE G-1
NUMBER OF SCHOOLS OF PODIATRY, STUDENTS, AND GRADUATES:
ACADEMIC YEARS 1960-61 THROUGH 1979-80

Academic year	Number of schools	Number of students		Number of graduates
		Total	First year	
1960-61	5	478	127	116
1961-62	5	471	142	96
1962-63	4	499	156	113
1963-64	5	563	209	96
1964-65	5	622	177	122
1965-66	5	707	223	135
1966-67	5	838	283	165
1967-68	5	926	291	162
1968-69	5	1,061	331	204
1969-70	5	1,111	293	251
1970-71	5	1,147	351	241
1971-72	5	1,268	400	286
1972-73	5	1,401	473	258
1973-74	5	1,623	551	305
1974-75	5	1,868	561	350
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	-- 1/

1/ Data are not yet available.

SOURCE: Data compiled by Health Resources Administration, Bureau of Health Professions, Division of Health Professions Analysis, based on data from the American Association of Colleges of Podiatric Medicine.

TABLE G-2
NUMBER OF STUDENTS AND GRADUATES OF INDIVIDUAL SCHOOLS
OF PODIATRY, BY STATE: 1979

State and school	Number of students 1979-80		Number of graduates 1978-79
	Total	First year	
Total	2,531	718	572
CALIFORNIA			
California College of Podiatric Medicine	397	131	94
ILLINOIS			
Illinois College of Podiatric Medicine	642	178	142
NEW YORK			
New York College of Podiatric Medicine	453	125	101
OHIO			
Ohio College of Podiatric Medicine	583	155	122
PENNSYLVANIA			
Pennsylvania College of Podiatric Medicine	456	129	113

SOURCE: Data compiled by Health Resources Administration, Bureau of Health Professions, Division of Health Professions Analysis, based on data from the American Association of Colleges of Podiatric Medicine.

TABLE G-3
 MINORITY STUDENTS IN SCHOOLS OF PODIATRY: ACADEMIC YEARS 1971-72 THROUGH 1980-81

Academic year	Total students	Racial/ethnic category					Total minority	Percent minority of total students
		Black	Hispanic	Oriental	American Indian			
1971-72	1,268	27	5	7	1	40	3.2	
1972-73	1,401	23	10	10	2	45	3.2	
1973-74	1,623	31	9	20	2	62	3.8	
1974-75	1,868	*	*	*	*	96	5.1	
1975-76	2,085	58	18	46	3	125	6.0	
1976-77	2,295	73	14	43	5	135	5.9	
1977-78	2,388	78	21	45	2	146	6.1	
1978-79	2,498	77	27	51	8	163	6.5	
1979-80	2,531	93	28	63	5	189	7.5	
1980-81	2,577	110	39	70	6	231 ^{1/}	9.0	

* Data not available.

^{1/} Includes six students reported by one school only as "other minority".

SOURCE: Data compiled by Health Resources Administration, Bureau of Health Professions, Division of Health Professions Analysis, based on data from the American Association of Colleges of Podiatric Medicine.

TABLE G-4
TOTAL STUDENTS IN SCHOOLS OF PODIATRY, BY SEX:
ACADEMIC YEARS 1970-71 THROUGH 1980-81

Academic year	Total students	Male students	Female students	Percent female of total students
1970-71	1,147	1,131	16	1.4
1971-72	1,268	1,253	15	1.2
1972-73	1,401	1,381	20	1.4
1973-74	1,623	1,583	40	2.5
1974-75	1,868	1,809	59	3.2
1975-76	2,085	1,985	100	4.8
1976-77	2,295	2,138	157	6.8
1977-78	2,388	2,129	259	10.8
1978-79	2,498	2,230	268	10.7
1979-80	2,531	2,226	305	12.1
1980-81	2,577	2,271	306	11.9

SOURCE: Data compiled by Health Resources Administration, Bureau of Health Professions, Division of Health Professions Analysis, based on data from the American Association of Colleges of Podiatric Medicine.

TABLE H-1
NUMBER OF SCHOOLS OF VETERINARY MEDICINE, STUDENTS,
AND GRADUATES: ACADEMIC YEARS 1960-61 THROUGH 1980-81

Academic year	Number of schools	Number of students		Number of graduates
		Total	First year	
1960-61	18	3,497	983	824
1961-62	18	3,528	1,001	819
1962-63	18	3,632	1,044	830
1963-64	18	3,727	1,059	834
1964-65	18	3,864	1,139	815
1965-66	18	4,119	1,242	910
1966-67	18	4,388	1,305	963
1967-68	18	4,623	1,315	1,064
1968-69	18	4,779	1,311	1,129
1969-70	18	4,876	1,339	1,165
1970-71	18	5,006	1,430	1,239
1971-72	18	5,149	1,453	1,258
1972-73	18	5,439	1,580	1,280
1973-74	19	5,763	1,594	1,388
1974-75	19	6,005	1,669	1,408
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/

1/ Data not yet available.

SOURCE: Data compiled by Health Resources Administration, Bureau of Health Professions, Division of Health Professions Analysis, based on data from the Association of American Veterinary Medical Colleges.

TABLE B-2
NUMBER OF STUDENTS AND GRADUATES OF INDIVIDUAL SCHOOLS
OF VETERINARY MEDICINE, BY STATE: 1980

State	Number of students		Number of graduates
	1979-80	1980-81	
Total	6,156	7,179	1,444
ALABAMA			
Auburn University	451	415	15
Tuskegee Institute	116	60	5
CALIFORNIA			
University of California at Davis	481	428	42
COLORADO			
Colorado State University	244	19	121
FLORIDA			
University of Florida	318	30	49
ILLINOIS			
University of Illinois	356	91	75
INDIANA			
Indiana University	288	71	7
IOWA			
Iowa State University	413	321	122
KANSAS			
Kansas State University	408	103	101
LOUISIANA			
Louisiana State University	216	80	78
MASSACHUSETTS			
Tufts University	91	50	--
MICHIGAN			
Michigan State University	452	420	112
MINNESOTA			
University of Minnesota	317	80	79
MISSISSIPPI			
Mississippi State University	137	32	--
MISSOURI			
University of Missouri	290	76	7
NEW YORK			
Cornell University	474	60	72
OHIO			
Ohio State University	54	136	111
OKLAHOMA			
Oklahoma State University	265	70	64
OREGON			
Oregon State University	36	35	--
PENNSYLVANIA			
University of Pennsylvania	425	409	94
RHODE ISLAND			
Brown University	11	60	57
TENNESSEE			
Tennessee Technological and Knoxville University	15	144	17
VIRGINIA			
Virginia Polytechnic and State College of Veterinary Medicine	64	64	--
WASHINGTON			
Washington State University	277	106	74

NOTE: Data compiled by Health Resources Administration, Bureau of Health Professions, Division of Health Professions Analysis, based on data from the Association of American Veterinary Medical Colleges.

Table 1
 Enrollment in Veterinary Medicine Programs, 1990-1999

Year	Enrollment	Enrollment	Enrollment
	(Number)	(Percentage)	(Percentage)
1990	1,811	36.2	36.2
1991	1,811	36.2	36.2
1992	1,811	36.2	36.2
1993	1,811	36.2	36.2
1994	1,811	36.2	36.2
1995	1,811	36.2	36.2
1996	1,811	36.2	36.2
1997	1,811	36.2	36.2
1998	1,811	36.2	36.2
1999	1,811	36.2	36.2
Total	18,110	36.2	36.2

Enrollment in veterinary medicine did not provide a breakdown by gender, total enrollment at 36.2%. These students were included in the total.

Source: American Veterinary Medical Association, Health Resources Administration, Division of Health Professions Analysis, based on data from the Association of American Veterinary Medical Schools.



TABLE 1
 NUMBER OF REGISTERED NURSE PROGRAMS AND STUDENTS ENROLLING IN REGISTERED NURSE PROGRAMS
 1955-56 THROUGH 1980-81

Year	Type of institution			Total
	Program	Associate degree	Associate degree	
Number of programs				
1955-56	1	0	0	1
1956-57	1	0	0	1
1957-58	1	0	0	1
1958-59	1	0	0	1
1959-60	1	0	0	1
1960-61	1	0	0	1
1961-62	1	0	0	1
1962-63	1	0	0	1
1963-64	1	0	0	1
1964-65	1	0	0	1
1965-66	1	0	0	1
1966-67	1	0	0	1
1967-68	1	0	0	1
1968-69	1	0	0	1
1969-70	1	0	0	1
1970-71	1	0	0	1
1971-72	1	0	0	1
1972-73	1	0	0	1
1973-74	1	0	0	1
1974-75	1	0	0	1
1975-76	1	0	0	1
1976-77	1	0	0	1
1977-78	1	0	0	1
1978-79	1	0	0	1
1979-80	1	0	0	1
1980-81	1	0	0	1
1981-82	1	0	0	1
1982-83	1	0	0	1
1983-84	1	0	0	1
1984-85	1	0	0	1
1985-86	1	0	0	1
1986-87	1	0	0	1
1987-88	1	0	0	1
1988-89	1	0	0	1
1989-90	1	0	0	1
1990-91	1	0	0	1
1991-92	1	0	0	1
1992-93	1	0	0	1
1993-94	1	0	0	1
1994-95	1	0	0	1
1995-96	1	0	0	1
1996-97	1	0	0	1
1997-98	1	0	0	1
1998-99	1	0	0	1
1999-00	1	0	0	1
2000-01	1	0	0	1
2001-02	1	0	0	1
2002-03	1	0	0	1
2003-04	1	0	0	1
2004-05	1	0	0	1
2005-06	1	0	0	1
2006-07	1	0	0	1
2007-08	1	0	0	1
2008-09	1	0	0	1
2009-10	1	0	0	1
2010-11	1	0	0	1
2011-12	1	0	0	1
2012-13	1	0	0	1
2013-14	1	0	0	1
2014-15	1	0	0	1
2015-16	1	0	0	1
2016-17	1	0	0	1
2017-18	1	0	0	1
2018-19	1	0	0	1
2019-20	1	0	0	1
2020-21	1	0	0	1
2021-22	1	0	0	1
2022-23	1	0	0	1
2023-24	1	0	0	1
2024-25	1	0	0	1
2025-26	1	0	0	1
2026-27	1	0	0	1
2027-28	1	0	0	1
2028-29	1	0	0	1
2029-30	1	0	0	1
2030-31	1	0	0	1
2031-32	1	0	0	1
2032-33	1	0	0	1
2033-34	1	0	0	1
2034-35	1	0	0	1
2035-36	1	0	0	1
2036-37	1	0	0	1
2037-38	1	0	0	1
2038-39	1	0	0	1
2039-40	1	0	0	1
2040-41	1	0	0	1
2041-42	1	0	0	1
2042-43	1	0	0	1
2043-44	1	0	0	1
2044-45	1	0	0	1
2045-46	1	0	0	1
2046-47	1	0	0	1
2047-48	1	0	0	1
2048-49	1	0	0	1
2049-50	1	0	0	1
2050-51	1	0	0	1
2051-52	1	0	0	1
2052-53	1	0	0	1
2053-54	1	0	0	1
2054-55	1	0	0	1
2055-56	1	0	0	1
2056-57	1	0	0	1
2057-58	1	0	0	1
2058-59	1	0	0	1
2059-60	1	0	0	1
2060-61	1	0	0	1
2061-62	1	0	0	1
2062-63	1	0	0	1
2063-64	1	0	0	1
2064-65	1	0	0	1
2065-66	1	0	0	1
2066-67	1	0	0	1
2067-68	1	0	0	1
2068-69	1	0	0	1
2069-70	1	0	0	1
2070-71	1	0	0	1
2071-72	1	0	0	1
2072-73	1	0	0	1
2073-74	1	0	0	1
2074-75	1	0	0	1
2075-76	1	0	0	1
2076-77	1	0	0	1
2077-78	1	0	0	1
2078-79	1	0	0	1
2079-80	1	0	0	1
2080-81	1	0	0	1
2081-82	1	0	0	1
2082-83	1	0	0	1
2083-84	1	0	0	1
2084-85	1	0	0	1
2085-86	1	0	0	1
2086-87	1	0	0	1
2087-88	1	0	0	1
2088-89	1	0	0	1
2089-90	1	0	0	1
2090-91	1	0	0	1
2091-92	1	0	0	1
2092-93	1	0	0	1
2093-94	1	0	0	1
2094-95	1	0	0	1
2095-96	1	0	0	1
2096-97	1	0	0	1
2097-98	1	0	0	1
2098-99	1	0	0	1
2099-00	1	0	0	1
2100-01	1	0	0	1
2101-02	1	0	0	1
2102-03	1	0	0	1
2103-04	1	0	0	1
2104-05	1	0	0	1
2105-06	1	0	0	1
2106-07	1	0	0	1
2107-08	1	0	0	1
2108-09	1	0	0	1
2109-10	1	0	0	1
2110-11	1	0	0	1
2111-12	1	0	0	1
2112-13	1	0	0	1
2113-14	1	0	0	1
2114-15	1	0	0	1
2115-16	1	0	0	1
2116-17	1	0	0	1
2117-18	1	0	0	1
2118-19	1	0	0	1
2119-20	1	0	0	1
2120-21	1	0	0	1
2121-22	1	0	0	1
2122-23	1	0	0	1
2123-24	1	0	0	1
2124-25	1	0	0	1
2125-26	1	0	0	1
2126-27	1	0	0	1
2127-28	1	0	0	1
2128-29	1	0	0	1
2129-30	1	0	0	1
2130-31	1	0	0	1
2131-32	1	0	0	1
2132-33	1	0	0	1
2133-34	1	0	0	1
2134-35	1	0	0	1
2135-36	1	0	0	1
2136-37	1	0	0	1
2137-38	1	0	0	1
2138-39	1	0	0	1
2139-40	1	0	0	1
2140-41	1	0	0	1
2141-42	1	0	0	1
2142-43	1	0	0	1
2143-44	1	0	0	1
2144-45	1	0	0	1
2145-46	1	0	0	1
2146-47	1	0	0	1
2147-48	1	0	0	1
2148-49	1	0	0	1
2149-50	1	0	0	1
2150-51	1	0	0	1
2151-52	1	0	0	1
2152-53	1	0	0	1
2153-54	1	0	0	1
2154-55	1	0	0	1
2155-56	1	0	0	1
2156-57	1	0	0	1
2157-58	1	0	0	1
2158-59	1	0	0	1
2159-60	1	0	0	1
2160-61	1	0	0	1
2161-62	1	0	0	1
2162-63	1	0	0	1
2163-64	1	0	0	1
2164-65	1	0	0	1
2165-66	1	0	0	1
2166-67	1	0	0	1
2167-68	1	0	0	1
2168-69	1	0	0	1
2169-70	1	0	0	1
2170-71	1	0	0	1
2171-72	1	0	0	1
2172-73	1	0	0	1
2173-74	1	0	0	1
2174-75	1	0	0	1
2175-76	1	0	0	1
2176-77	1	0	0	1
2177-78	1	0	0	1
2178-79	1	0	0	1
2179-80	1	0	0	1
2180-81	1	0	0	1
2181-82	1	0	0	1
2182-83	1	0	0	1
2183-84	1	0	0	1
2184-85	1	0	0	1
2185-86	1	0	0	1
2186-87	1	0	0	1
2187-88	1	0	0	1
2188-89	1	0	0	1
2189-90	1	0	0	1
2190-91	1	0	0	1
2191-92	1	0	0	1
2192-93	1	0	0	1
2193-94	1	0	0	1
2194-95	1	0	0	1
2195-96	1	0	0	1
2196-97	1	0	0	1
2197-98	1	0	0	1
2198-99	1	0	0	1
2199-00	1	0	0	1
2200-01	1	0	0	1
2201-02	1	0	0	1
2202-03	1	0	0	1
2203-04	1	0	0	1
2204-05	1	0	0	1
2205-06	1	0	0	1
2206-07	1	0	0	1
2207-08	1	0	0	1
2208-09	1	0	0	1
2209-10	1	0	0	1
2210-11	1	0	0	1
2211-12	1	0	0	1
2212-13	1	0	0	1
2213-14	1	0	0	1
2214-15	1	0	0	1
2215-16	1	0	0	1
2216-17	1	0	0	1
2217-18	1	0	0	1
2218-19	1	0	0	1
2219-20	1	0	0	1
2220-21	1	0	0	1
2221-22	1	0	0	1
2222-23	1	0	0	1
2223-24	1	0	0	1
2224-25	1	0	0	1
2225-26	1	0	0	1
2226-27	1	0	0	1
2227-28	1	0	0	1
2228-29	1	0	0	1
2229-30	1	0	0	1
2230-31	1	0	0	1
2231-32	1	0	0	1
2232-33	1	0	0	1
2233-34	1	0	0	1
2234-35	1	0	0	1
2235-36	1	0	0	1
2236-37	1	0	0	1
2237-38	1	0	0	1
2238-39	1	0	0	1
2239-40	1	0	0	1
2240-41	1	0	0	1
2241-42	1	0	0	1
2242-43	1	0	0	1
2243-44	1	0	0	1
2244-45	1	0	0	1
2245-46	1	0	0	1
2246-47	1	0	0	1
2247-48	1	0	0	1
2248-49	1	0	0	1
2249-50	1	0	0	1
2250-51	1	0	0	1
2251-52	1	0		

TABLE 1

Number of students in health-related programs and number of health-related programs, by state

State	Number of programs	Number of students		Number of health-related programs		Total	Percentage of total
		Total	First-year students	Total	First-year students		
Alabama	34	1,220	1,191	14	14	1,234	100
Alaska	1	333	326	1	1	334	100
Arizona	16	2,042	1,985	4	4	2,050	100
Arkansas	11	2,162	2,143	1	1	2,164	100
California	37	15,656	15,116	11	11	15,677	100
Colorado	10	1,063	1,011	1	1	1,064	100
Connecticut	4	3,446	3,311	1	1	3,447	100
Delaware	1	1,320	1,279	1	1	1,321	100
District of Columbia	7	2,037	2,000	1	1	2,038	100
Florida	11	8,143	7,911	1	1	8,144	100
Georgia	15	1,797	1,695	1	1	1,798	100
Hawaii	1	401	393	1	1	402	100
Idaho	6	623	623	1	1	624	100
Illinois	30	12,392	11,785	1	1	12,393	100
Indiana	30	11,964	11,536	1	1	11,965	100
Iowa	16	5,145	5,087	1	1	5,146	100
Kansas	17	2,314	2,263	1	1	2,315	100
Kentucky	10	3,227	3,176	1	1	3,228	100
Louisiana	6	4,165	4,100	1	1	4,166	100
Maine	9	1,318	1,278	1	1	1,319	100
Maryland	27	3,521	3,291	1	1	3,522	100
Massachusetts	11	3,956	3,479	1	1	3,957	100
Michigan	45	8,554	7,949	1	1	8,555	100
Minnesota	15	4,462	4,215	1	1	4,463	100
Mississippi	11	1,631	1,493	1	1	1,632	100
Missouri	37	5,470	5,400	1	1	5,471	100
Montana	4	867	837	1	1	868	100
Nebraska	11	2,079	2,011	1	1	2,080	100
Nevada	1	419	411	1	1	420	100
New Hampshire	7	1,350	1,311	1	1	1,351	100
New Jersey	4	2,306	2,317	1	1	2,307	100
New Mexico	11	970	968	1	1	971	100
New York	98	26,361	21,674	1	1	26,362	100
North Carolina	40	5,640	5,404	1	1	5,641	100
North Dakota	4	1,703	1,619	1	1	1,704	100
Ohio	11	10,407	9,476	1	1	10,408	100
Oklahoma	22	2,319	2,237	1	1	2,320	100
Oregon	16	1,680	1,600	1	1	1,681	100
Pennsylvania	47	11,898	11,171	1	1	11,899	100
Rhode Island	7	1,091	1,039	1	1	1,092	100
South Carolina	14	2,216	2,113	1	1	2,217	100
South Dakota	6	1,468	1,433	1	1	1,469	100
Tennessee	13	5,754	5,557	1	1	5,755	100
Texas	16	16,527	15,631	1	1	16,528	100
Utah	5	860	854	1	1	861	100
Vermont	4	613	605	1	1	614	100
Virginia	11	5,292	5,481	1	1	5,293	100
Washington	11	3,552	3,701	1	1	3,553	100
West Virginia	11	2,282	2,184	1	1	2,283	100
Wisconsin	14	6,612	6,660	1	1	6,613	100
Wyoming	1	187	187	1	1	188	100
Total	1	41	11	1	1	42	100
Unknown	16	1,319	1,182	1	1	1,320	100
Unassigned	1	1	1	1	1	2	100

Source: Data as of October 15, 1980.

Note: All students are often referred to as "admissions."

Source: Data are for the period August 1, 1979 through July 31, 1980.

Note: Data compiled by Health Resources Administration, Bureau of Health Professions, Division of Health Manpower Analysis, based on data from National League for Nursing.

TABLE J-1
NUMBER OF SCHOOLS OF PUBLIC HEALTH, TOTAL STUDENTS, AND GRADUATES:
ACADEMIC YEARS 1975-76 THROUGH 1979-80

Academic year	Number of schools	Total students	Number of graduates			
			Total	Master's degrees	Doctorates	Other degrees
1975-76	19	6,461	2,945	2,539	232	174
1976-77	19	6,615	2,775	2,483	207	85
1977-78	20	6,841	2,819	2,511	237	71
1978-79	21	7,722	2,917	2,559	289	79
1979-80	21	8,215	*	*	*	*

* Data not available.

SOURCE: Data compiled by Health Resources Administration, Bureau of Health Professions, Division of Health Professions Analysis, based on data from the Association of Schools of Public Health.

TABLE J-2
NUMBER AND PERCENT DISTRIBUTION OF GRADUATES FROM SCHOOLS OF PUBLIC HEALTH,
BY AREA OF SPECIALIZATION: ACADEMIC YEARS 1975-76 AND 1978-79

Area of specialization	1975-76		1978-79	
	Number	Percent distribution	Number	Percent distribution
Total	2,945	100.0	2,917	100.0
Health administration ^{1/}	941	32.0	760	26.0
Environmental health	378	12.8	446	15.3
Epidemiology	267	9.1	355	12.2
Public health education	228	7.7	177	6.0
Biostatistics	141	4.8	136	4.6
Maternal and child health	148	5.0	134	4.6
Nutrition	145	4.9	164	5.6
Population studies	139	4.7	139	4.8
Biomedical laboratory sciences	74	2.5	89	3.1
Public health nursing	155	5.3	66	2.3
Behavioral and social sciences	39	1.3	65	2.2
International health	38	1.3	67	2.3
Mental health	49	1.7	46	1.6
Dental public health	19	0.6	18	0.6
Occupational health	43	1.5	22	0.8
Other	141	4.8	233	8.0

^{1/} Includes hospital administration, health planning, and health policy analysis.

SOURCE: Health Resources Administration, Bureau of Health Professions, Division of Health Professions Analysis, based on data from the Association of Schools of Public Health.

Table J-3
GRADUATES OF SCHOOLS OF PUBLIC HEALTH, BY TYPE OF DEGREE AND SEX,
ACADEMIC YEAR 1978-79

Type of degree	All graduates		Male graduates	Female graduates	Percent female of all graduates
	Number	Percent distribution			
All degrees	2,917	100.0	1,431	1,486	49
Master's degrees	2,583	88.5	1,237	1,346	52
M.P.H.	1,842	63.2	839	1,003	54.5
M.S.P.H.	158	5.4	108	50	31.6
M.S.	322	11.0	145	177	58.0
Other master's	261	8.9	145	116	44
Doctorates	265	9.1	168	97	36.6
Dr.P.H.	84	2.9	47	37	44.0
Ph.D.	125	4.3	86	39	31.2
Other doctorates	56	1.9	35	21	27.1
Baccalaureate degrees	69	2.4	26	43	62.3

SOURCE: Data compiled by Health Resources Administration, Bureau of Health Professions, Division of Health Professions Analysis, based on data from the Association of Schools of Public Health.

TABLE J-4
MINORITY STUDENTS IN SCHOOLS OF PUBLIC HEALTH: ACADEMIC YEARS 1975-76 THROUGH 1979-80

Academic year	Total students identified by race 1/	Racial/ethnic category					Percent minority of total students identified by race
		Black	Hispanic	Oriental	American Indian	Total minority	
1975-76	5,806	434	372	414	62	1,282	22.1
1976-77	6,033	476	260	520	70	1,326	22.0
1977-78	6,301	423	311	490	74	1,298	20.6
1978-79	6,397	535	220	593	75	1,423	22.6
1979-80	7,276	562	245	732	68	1,607	22.1

1/ Counts of students not identified by race in the listed years are: 1975-76, 655 students; 1976-77, 582; 1977-78, 540; 1978-79, 825; and 1979-80, 939.

SOURCE: Data compiled by Health Resources Administration, Bureau of Health Professions, Division of Health Professions Analysis, based on data from the Association of Schools of Public Health.

TABLE 3A
 Counts in School of Public Health, by
 Academic Year: 1975-76 Through 1979-80

Academic year	Total students identified by sex	Male students	Female students	Percent female of total students identified
1975-76	6,201	4,700	1,501	24.2
1976-77	6,130	4,607	1,523	24.8
1977-78	6,427	4,933	1,494	23.3
1978-79	7,077	5,361	1,716	24.3
1979-80	7,646	5,897	1,749	22.9

1/ Counts of students not identified by sex in the listed year are: 1975-76, 441 students; 1976-77, 419; 1977-78, 419; 1978-79, 651; and 1979-80, 801.

SOURCE: Data compiled by Health Resources Administration, Bureau of Health Professions, Division of Health Professions Analysis, based on data from the Association of Schools of Public Health.

TABLE 3B
 Enrollment in School of Public Health, by Academic Year, Sex, and Degree Program

Academic Year	Sex	Public Health		Preparatory		Masters		Doctoral		Total
		1975-76	1976-77	1975-76	1976-77	1975-76	1976-77	1975-76	1976-77	
Public Health	Male	1,200	1,100	1,200	1,100	1,200	1,100	1,200	1,100	5,000
Public Health	Female	300	420	300	420	300	420	300	420	1,760
Preparatory	Male	1,200	1,100	1,200	1,100	1,200	1,100	1,200	1,100	5,000
Preparatory	Female	300	420	300	420	300	420	300	420	1,760
Masters	Male	1,200	1,100	1,200	1,100	1,200	1,100	1,200	1,100	5,000
Masters	Female	300	420	300	420	300	420	300	420	1,760

1/ Enrollment in Public Health, by Academic Year, Sex, and Degree Program. Enrollment in Public Health, by Academic Year, Sex, and Degree Program. Enrollment in Public Health, by Academic Year, Sex, and Degree Program. Enrollment in Public Health, by Academic Year, Sex, and Degree Program.



TABLE K-2

NUMBER OF DENTAL HYGIENIST TRAINING PROGRAMS, STUDENTS,
AND GRADUATES: SELECTED ACADEMIC YEARS 1950-51 THROUGH 1980-81

Academic year	Number of programs	Number of students		Number of graduates
		Total	First year	
1950-51	26	1,454	862	632
1955-56	33	2,009	1,100	932
1960-61	37	2,497	1,440	1,023
1961-62	43	2,752	1,506	1,219
1962-63	47	3,005	1,697	1,257
1963-64	49	3,278	1,791	1,429
1964-65	53	3,502	1,923	1,492
1965-66	56	3,363	2,070	1,650
1966-67	56	4,041	2,134	1,739
1967-68	67	4,309	2,385	1,854
1968-69	85	5,187	2,870	2,231
1969-70	100	5,931	3,299	2,465
1970-71	121	6,854	3,852	2,926
1971-72	133	7,935	4,564	3,516
1972-73	148	9,018	4,815	4,137
1973-74	157	9,400	4,995	4,310
1974-75	160	9,774	5,118	4,568
1975-76	173	10,084	5,335	4,616
1976-77	179	10,654	5,598	4,847
1977-78	186	10,815	5,592	5,026
1978-79	196	11,055	5,706	5,149
1979-80	204	10,932	5,667	5,184
1980-81	208	10,867	5,596	-- 1/

1/ Data are not available at this time.

SOURCE: American Dental Association, Council on Dental Education. Dental Students' Register for each selected academic year from 1950-51 through 1966-67. Annual Report on Dental Auxiliary Education for all subsequent academic years.

TABLE K-3
NUMBER OF DENTAL HYGIENIST TRAINING PROGRAM
STUDENTS, AND GRADUATES, BY STATE: 1980

State	Number of programs	Number of students as of October 15, 1980		Number of graduates 1979-80
		Total	First year	
	Total	208	10,767	5,596
Alabama	1	19	12	3
Alaska	1	17	8	1
Arizona	2	82	43	42
Arkansas	1	60	30	39
California	13	619	317	247
Colorado	3	99	50	47
Connecticut	2	195	96	65
Delaware	1	26	13	13
District of Columbia	1	31	18	11
Florida	8	468	237	161
Georgia	8	325	172	161
Hawaii	1	41	21	20
Idaho	1	56	29	29
Illinois	8	547	290	237
Indiana	5	207	105	66
Iowa	3	142	73	70
Kansas	2	103	54	47
Kentucky	5	155	71	36
Louisiana	5	193	100	77
Maine	1	150	75	50
Maryland	3	188	97	91
Massachusetts	6	425	221	199
Michigan	12	694	342	335
Minnesota	4	320	138	222
Mississippi	3	95	48	37
Missouri	3	158	79	76
Montana	1	31	19	23
Nebraska	2	65	32	30
Nevada	1	27	14	13
New Hampshire	1	48	27	15
New Jersey	6	329	191	145
New Mexico	1	48	30	20
New York	11	783	409	367
North Carolina	7	370	214	162
North Dakota	1	63	32	32
Ohio	13	590	310	270
Oklahoma	2	70	36	35
Oregon	5	186	95	86
Pennsylvania	9	516	271	239
Rhode Island	2	37	19	21
South Carolina	4	135	71	59
South Dakota	1	58	31	27
Tennessee	4	237	120	119
Texas	11	705	368	354
Utah	1	39	20	17
Vermont	1	61	34	25
Virginia	5	185	95	73
Washington	6	277	140	133
West Virginia	3	229	98	77
Wisconsin	4	315	159	151
Wyoming	1	41	21	19
Puerto Rico	1	7	4	5

SOURCE: American Dental Association, Council on Dental Education. Annual Report on Dental Auxiliary Education, 1980-81.

Table K-4
 NUMBER OF DENTAL ASSISTANT TRAINING PROGRAMS, STUDENTS,
 AND GRADUATES: ACADEMIC YEARS 1965-66 THROUGH 1980-81

Academic year	Number of programs	Number of students		Number of graduates
		Total	First year	
1965-66	64	2,798	2,210	1,593
1966-67	81	3,159	2,518	1,963
1967-68	101	3,819	3,118	2,302
1968-69	134	4,475	3,625	2,715
1969-70	154	5,074	4,206	2,955
1970-71	165	5,812	4,841	3,922
1971-72	182	7,491	6,361	4,814
1972-73	201	7,985	6,671	5,297
1973-74	220	8,595	7,272	5,684
1974-75	237	9,024	7,858	5,972
1975-76	250	9,306	8,119	6,208
1976-77	262	9,515	8,325	6,502
1977-78	273	9,429	8,234	6,644
1978-79	298	9,168	8,156	6,043
1979-80	294	9,315	8,386	5,958
1980-81	289	9,052	8,272	-- 1/

1/ Data are not available at this time.

SOURCE: American Dental Association, Council on Dental Education. Dental Students' Register for the academic years 1965-66 and 1966-67. Annual Report on Dental Auxiliary Education for all subsequent academic years.

TABLE K-5
NUMBER OF DENTAL ASSISTANT TRAINING PROGRAMS,
STUDENTS, AND GRADUATES, BY STATE, 1980

State	Number of programs	Number of students of October 5, 1980		Number of graduates 1979-80
		Total	First year	
	Total	290	9,260	5,398
Alabama	6	115	125	79
Alaska	1	15	15	12
Arizona	2	53	53	33
Arkansas	3	41	41	33
California	58	1,247	1,247	899
Colorado	5	113	91	7
Connecticut	5	47	50	4
Delaware	1	13	13	
District of Columbia	1	44	25	4
Florida	14	111	335	
Georgia	1	63	62	7
Hawaii	1	13	13	10
Idaho	1	41	40	28
Illinois	15	415	312	277
Indiana	1	14	14	11
Iowa	6	71	21	14
Kansas	1	41	46	36
Kentucky	5	181	132	11
Louisiana	1	13	13	11
Maine	1	10	10	3
Maryland	7	147	123	31
Massachusetts	15	325	306	251
Michigan	14	534	411	218
Minnesota	16	525	551	477
Mississippi	1	35	35	26
Missouri	19	136	196	145
Montana	1	17	27	19
Nebraska	5	114	124	88
Nevada	1	8	8	5
New Hampshire	1	14	14	12
New Jersey	6	172	172	97
New Mexico	1	9	9	15
New York	6	231	193	161
North Carolina	11	441	441	229
North Dakota	1	18	18	16
Ohio	2	57	57	31
Oregon	6	163	168	110
Pennsylvania	11	331	275	267
Rhode Island	1	25	25	20
South Carolina	6	146	125	94
South Dakota	1	25	25	24
Tennessee	5	101	101	111
Texas	12	961	918	646
Utah	1	58	58	42
Vermont	2	42	20	23
Virginia	5	121	121	91
Washington	9	259	259	195
Wisconsin	4	24	24	175
Wyoming	1	6	6	5
Puerto Rico	1	26	26	23

SOURCE: American Dental Association, Council on Dental Education, Annual Report on Dental Auxiliary Education, 1980-81.

TABLE K-6

NUMBER OF DENTAL LABORATORY TECHNICIAN TRAINING PROGRAMS,
STUDENTS, AND GRADUATES: ACADEMIC YEARS 1965-66 THROUGH 1980-81

Academic year	Number of programs	Number of students		Number of graduates
		Total	First year	
1965-66	6	342	194	142
1966-67	10	510	321	162
1967-68	15	729	437	325
1968-69	19	803	462	357
1969-70	23	965	596	345
1970-71	26	1,113	673	445
1971-72	31	1,478	923	546
1972-73	32	1,686	1,064	682
1973-74	34	1,933	1,184	839
1974-75	38	2,175	1,196	837
1975-76	40	2,234	1,345	991
1976-77	48	2,389	1,313	1,070
1977-78	49	2,481	1,410	1,150
1978-79	54	2,780	1,595	1,050
1979-80	56	2,665	1,596	1,068
1980-81	57	2,751	1,563	-- 1/

1/ Data are not available at this time.

SOURCE: American Dental Association, Council on Dental Education. Dental Students' Register for the academic years 1965-66 and 1966-67. Annual Report on Dental Auxiliary Education for all subsequent academic years.

TABLE R-1
 NUMBER OF DENTAL LABORATORY TECHNICIAN TRAINING
 PROGRAMS, STUDENTS, AND GRADUATES, BY STATE: 1980

State	Number of programs	Number of students as of October 15, 1980		Number of graduates 1979-80
		Total	First year	
Total	57	2,751	1,563	1,068
Alabama	1	24	13	--
Arizona	1	31	16	17
California	7	364	202	152
Florida	5	201	117	74
Georgia	3	130	119	78
Illinois	3	190	107	54
Indiana	2	59	31	26
Iowa	1	43	25	11
Kentucky	1	41	22	12
Louisiana	1	25	13	16
Maryland	2	65	29	37
Massachusetts	2	41	26	22
Michigan	2	62	42	47
Minnesota	2	78	33	39
Missouri	1	30	17	9
Nebraska	1	21	10	6
New Jersey	1	50	27	19
New York	2	157	89	92
North Dakota	1	56	35	27
Ohio	1	64	38	12
Oklahoma	1	12	7	--
Oregon	1	47	6	23
Pennsylvania	1	37	25	13
South Carolina	2	42	28	27
South Dakota	1	20	11	9
Tennessee	2	46	25	11
Texas	4	632	348	150
Virginia	2	49	30	22
Washington	2	70	37	35
Wisconsin	1	39	20	13

SOURCE: American Dental Association, Council on Dental Education.
Annual Report on Dental Auxiliary Education, 1980-81.

TABLE K-8
 NUMBER OF MEDICAL RECORD ADMINISTRATOR
 TRAINING PROGRAMS, STUDENTS, AND GRADUATES:
 ACADEMIC YEARS 1965-66 THROUGH 1980-81

Academic year	Number of programs	Number of students ^{1/}	Number of graduates ^{2/}
1965-66	28	214	192
1966-67	28	211	192
1967-68	27	214	191
1968-69	26	241	212
1969-70	26	256	237
1970-71	28	236	221
1971-72	31	302	263
1972-73	*	*	*
1973-74	37	615	569
1974-75	39	642	587
1975-76	40	748	656
1976-77	41	724	643
1977-78	46	824	736
1978-79	48	871	785
1979-80	53	881	771
1980-81	53	926	*

* Data not available.

^{1/} Number of students in final year only.

^{2/} Includes all graduates, whether receiving certificates, bachelor's degrees, or master's degrees.

SOURCE: Health Resources Administration, Bureau of Health Professions, Division of Health Professions Analysis, based on data from the American Medical Record Association and the American Medical Association.

Table 1
 NUMBER OF MEDICAL RESIDENCY ADMINISTRATION PROGRAMS
 AND STUDENTS IN 1980

State or other jurisdiction	Number of programs	Number of students	Number of students per program
Total	100	1,000	10
Alabama			
Arkansas			
California	1	10	10
Colorado			
Connecticut			
Florida			
Georgia			
Illinois		10	10
Indiana		10	10
Iowa	1	10	10
Kentucky			
Louisiana		10	10
Maryland		10	10
Massachusetts		10	10
Michigan	1	10	10
Minnesota		10	10
Mississippi		10	10
Missouri	1	10	10
Montana	1	10	10
Nebraska		10	10
New York		10	10
North Carolina		10	10
Ohio	1	10	10
Oklahoma	1	10	10
Pennsylvania		10	10
South Carolina		10	10
Tennessee	1	10	10
Texas	1	10	10
Virginia		10	10
Washington		10	10
West Virginia	1	10	10
Wisconsin		10	10
Puerto Rico	1	10	10

1/ Academic year 1980-81.

2/ Number of students in that year only.

3/ Academic year 1979-80.

SOURCE: Health Resources Administration, Bureau of Health Professions, Division of Health Professions Analysis, based on data from the American Medical Record Association.

TABLE K-10

NUMBER OF MEDICAL RECOR. TECHNICIAN
TRAINING PROGRAMS, STUDENTS, AND GRADUATES
BY STATE, YEAR 1960-61 THROUGH 1970-71

State	Number of Programs	Number of Students	Number of Graduates
Alabama	1	10	10
Alaska	0	0	0
Arizona	0	0	0
Arkansas	0	0	0
California	1	100	100
Colorado	0	0	0
Connecticut	0	0	0
Delaware	0	0	0
District of Columbia	0	0	0
Florida	1	100	100
Georgia	0	0	0
Idaho	0	0	0
Illinois	1	100	100
Indiana	0	0	0
Iowa	0	0	0
Kansas	0	0	0
Kentucky	0	0	0
Louisiana	0	0	0
Maine	0	0	0
Maryland	0	0	0
Massachusetts	0	0	0
Michigan	0	0	0
Minnesota	0	0	0
Mississippi	0	0	0
Missouri	0	0	0
Montana	0	0	0
Nebraska	0	0	0
Nevada	0	0	0
New Hampshire	0	0	0
New Jersey	0	0	0
New Mexico	0	0	0
New York	1	100	100
North Carolina	0	0	0
North Dakota	0	0	0
Ohio	0	0	0
Oklahoma	0	0	0
Oregon	0	0	0
Pennsylvania	0	0	0
Rhode Island	0	0	0
South Carolina	0	0	0
South Dakota	0	0	0
Tennessee	0	0	0
Texas	0	0	0
Utah	0	0	0
Vermont	0	0	0
Virginia	0	0	0
Washington	0	0	0
West Virginia	0	0	0
Wisconsin	0	0	0
Wyoming	0	0	0
Total	4	400	400



TABLE K-11
 NUMBER OF MEDICAL RECORD TECHNICIAN TRAINING PROGRAMS,
 STUDENTS, AND GRADUATES, BY STATE: 1980

State or other jurisdiction	Number of programs	Number of students	Number of graduates
Total	23	1,050	67
Alabama	1	13	1
Arizona	1	12	1
California	6	416	29
Colorado	1	1	
Florida			
Ill.			
Illinois	1	14	1
Indiana	1	11	
Iowa	1	67	1
Miss.			
Mississippi	1	1	
Missouri			
Montana			
Nebraska			
Nebraska	1	1	
New Hampshire			
New Jersey	1	1	1
New York	1	1	1
North Carolina	1	1	
Ohio	1	1	
Okla.			
Oklahoma	1	1	1
South Carolina			
Tenn.	1	1	1
Texas	1	1	1
Virginia			
Washington	1	1	1
West Virginia			
Wisconsin			
Wyoming			

Source: Bureau of Health Professions.

NOTE: Figures are rounded.

U.S. Dept. of Health Resources Administration, Bureau of Health Professions, Division of Health Professions Analysis, based on data from the American Medical Record Association.

TABLE K-12

NUMBER OF PRACTICAL NURSE TRAINING PROGRAMS, STUDENTS, AND GRADUATES:
ACADEMIC YEARS 1960-61 THROUGH 1980-81

Academic year	Number of programs <u>1/</u>	Number of students <u>2,3/</u>	Number of graduates <u>3/</u>
1960-61	661	24,955	16,636
1961-62	693	26,660	18,166
1962-63	739	30,585	19,621
1963-64	851	34,131	21,761
1964-65	913	36,489	24,231
1965-66	984	38,755	26,056
1966-67	1,081	41,269	27,644
1967-68	1,149	45,076	30,823
1968-69	1,191	49,107	34,364
1969-70	1,252	55,635	37,168
1970-71	1,253	60,057	38,550
1971-72	1,291	61,680	44,446
1972-73	1,310	60,475	46,456
1973-74	1,306	60,249	45,863
1974-75	1,315	61,557	46,080
1975-76	1,337	62,272	48,681
1976-77	1,339	60,975	47,297
1977-78	1,339	61,586	45,991
1978-79	1,329	57,953	45,066
1979-80	1,318	57,454	42,536
1980-81	1,319	-- <u>4/</u>	-- <u>4/</u>

1/ These counts are as of October 15.

2/ Students are often referred to as "admissions."

3/ Counts for 1960-61 through 1969-70 are for the period September 1 through August 31; for subsequent years, August 1 through July 31.

4/ Data are not yet available.

Source: Data compiled by Health Resources Administration, Bureau of Health Professions, Division of Health Professions Analysis, based on data from American Nurses' Association and National League for Nursing.

TABLE K-13
 NUMBER OF PRACTICAL NURSE TRAINING PROGRAMS, STUDENTS,
 AND GRADUATES, BY STATE, 1988

State or other jurisdiction	Number of programs	Number of students	Number of graduates
Total	1,199	97,584	42,536
Alabama	15	1,794	1,118
Alaska	1	74	57
Arizona	12	4,000	3,017
Arkansas	17	2,111	1,519
California	68	24,977	13,100
Colorado	17	834	483
Connecticut	10	374	244
Delaware	5	1,000	707
District of Columbia	1	133	107
Florida	27	11,545	6,100
Georgia	11	1,991	1,176
Idaho	3	144	100
Illinois	11	788	479
Indiana	46	11,788	6,100
Indiana	1	98	70
Iowa	17	8,000	4,000
Kansas	16	534	321
Kentucky	16	679	427
Louisiana	17	1,781	1,000
Maine	1	100	70
Maryland	11	1,104	700
Massachusetts	16	1,141	700
Michigan	16	2,100	1,100
Minnesota	17	1,500	800
Mississippi	14	1,100	700
Missouri	11	1,168	700
Montana	1	141	100
Nebraska	1	481	300
Nevada	1	77	50
New Hampshire	4	100	70
New Jersey	16	1,700	1,000
New Mexico	10	163	100
New York	32	4,015	2,100
North Carolina	19	1,164	700
North Dakota	1	100	70
Ohio	44	1,675	1,000
Oklahoma	11	940	500
Oregon	11	700	400
Pennsylvania	61	3,762	2,100
Rhode Island	1	104	70
South Carolina	11	647	400
South Dakota	1	100	70
Tennessee	11	1,317	700
Texas	164	6,626	3,447
Utah	1	100	70
Vermont	1	160	100
Virginia	16	1,566	800
Washington	11	542	300
West Virginia	10	549	300
Wisconsin	14	1,156	600
Wyoming	1	54	30
American Samoa	1	20	10
Guam	1	14	10
Puerto Rico	14	1,100	700

1. These counts are as of January 15, 1988.

2. Students are often referred to as "trainees."

3. These counts are for the period August 1, 1978 through July 31, 1988.

Source: Data compiled by Health Resources Administration, Bureau of Health Professions, Division of Health Professions Analysis, based on data from National Commission for Nursing.

TABLE L-1
AVERAGE ANNUAL EXPENSES AND INCOME, AND CURRENT DEBT, OF STUDENTS IN SCHOOLS FOR SELECTED HEALTH OCCUPATIONS, AND MEDIAN INCOME OF FAMILIES OF THESE STUDENTS, ACADEMIC YEARS 1970-71 AND 1976-77

Health occupation	Median income of student's family		Average annual expenses of students		Average annual student income				Average current student debt	
	1970-71	1976-77	1970-71	1976-77	By occupation		By education		1970-71	1976-77
					1970-71	1976-77	1970-71	1976-77		
Medicine (M.D.)	\$19,700	\$19,700	\$9,531	\$9,530	*	*	*	*	*	\$10,153
Podiatry (D.P.M.)	18,000	18,900	6,719	11,071	\$4,270	\$9,510	\$2,310	\$4,200	\$1,400	11,160
Dentistry	18,900	19,700	6,130	9,890	5,720	8,030	1,960	4,150	4,100	11,940
Optometry	19,300	19,300	5,250	8,960	4,290	7,540	1,570	3,100	1,100	10,270
Pharmacy	16,940	16,940	3,740	6,740	3,010	6,760	1,190	1,960	1,700	4,570
Podiatry	17,750	17,750	6,300	11,720	5,000	9,270	1,820	4,100	1,100	11,170
Veterinary (D.V.M.)	18,530	18,530	4,470	7,030	3,930	6,940	1,500	1,600	1,700	10,490
Public Health	*	17,330	*	10,470	*	13,300	*	1,500	*	11,450

* Data not available.

Median income of all U.S. families was \$10,173 in 1970 and \$14,960 in 1976.

Source: Health Resources Administration, Bureau of Health Professions, Division of Health Professions Analysis, Study of How Health Professions Students Finance Their Education: A Comparative Study of School Years 1970-71 and 1976-77, DHEW Publication (OS) 80-52, 1980, and Study of How Health Professions Students Finance Their Education, 1976-77, DHEW Publication (OS) 80-52, 1980.

TABLE L-2
PERCENT DISTRIBUTION OF STUDENTS IN SCHOOLS FOR SELECTED HEALTH OCCUPATIONS, BY INCOME LEVEL OF STUDENT'S FAMILY AND EDUCATION LEVEL OF STUDENT'S FATHER, COMPARED WITH INCOME DISTRIBUTION OF ALL U.S. FAMILIES AND EDUCATION LEVELS OF U.S. MALES 40 YEARS AND OVER: ACADEMIC YEAR 1976-77

Health occupation	Median income of student's family	Percent distribution of students by education level of father							
		Percent distribution of students by income level of student's family				All levels of education	Less than high school graduation	High school graduation and/or some college	College graduation and/or graduate study
		All incomes	Less than \$10,000	\$10,000-19,999	\$20,000 or more				
Medicine (M.D.)	\$19,700	100	13	38	49	100	11	32	57
Podiatry (D.P.M.)	18,000	100	22	34	44	100	17	40	43
Dentistry	19,700	100	17	34	49	100	13	41	45
Optometry	19,300	100	14	39	47	100	14	47	39
Pharmacy	16,940	100	22	39	39	100	20	46	34
Podiatry	17,750	100	21	38	41	100	19	46	35
Veterinary (D.V.M.)	18,530	100	17	36	45	100	13	43	44
Public Health	17,330	100	26	32	42	100	21	33	41
		U.S. family income							
All U.S. families	\$14,960	100	30	39	31	--	--	--	--
		Education level of selected U.S. males							
All U.S. males 40 years and over	--	--	--	--	--	100	4	17	15

Source: Health Resources Administration, Bureau of Health Professions, Division of Health Professions Analysis, Study of How Health Professions Students Finance Their Education, 1976-1977, DHEW Publication No. (HRA) 80-52, 1980.

TABLE L-3

PERCENT DISTRIBUTION OF STUDENTS IN SCHOOLS FOR SELECTED HEALTH OCCUPATIONS, BY FATHER'S OCCUPATION, COMPARED WITH DISTRIBUTION OF OCCUPATION CATEGORIES AMONG U.S. MALES 16 YEARS AND OVER, 1960

Percent distribution of students by occupation of father

Health occupation	Students in health occupations		Fathers in occupations in any health field						Total (%)
	All fathers' occupations	Students studying same health occupation as father's	Professional workers	Owner, proprietary, and manager	Clerical, office, and sales worker	Crafts and skilled worker	Unskilled laborer	Farm and other laborer	
Medicine (M.D.)	100	14	8	23	6	4	4	27	
Podiatry (D.P.)	100	8	11	11	11	11		53	
Dentistry	100	9	7	13	9	11	1	51	
Optometry	100	8	6	16	11	11	1	58	
Pharmacy	100	6	4	15	14	4	1	58	
Podiatry (D.P.)	100	5	7	13	11	11		58	
Podiatry (D.P.)	100	4	4	11	20	11	4	54	
Occupations of U.S. males	100		14	14	17	11	11	62	

1. Data not available for students in schools of public health, dentistry, and other occupations, students, and unemployed.
2. There are 3 percent of U.S. males 16 years and over in health occupations. This percent is placed between the columns to indicate it cannot be related to either column heading.
3. Health Resources Administration, Bureau of Health Professions, Division of Health Professions Analysis, Study of Health Professions Students Finances: Their Education, 1976-77, OHS Publication No. (HRA) 80-52, 1980.

TABLE L-4

AVERAGE ANNUAL EXPENSES OF STUDENTS IN SCHOOLS FOR SELECTED HEALTH OCCUPATIONS, BY TYPE OF SCHOOL, AND BY PUBLIC AND PRIVATE SCHOOLS: ACADEMIC YEAR 1976-77

Average annual expenses of students

Health occupation	All schools				Public schools				Private schools			
	All expenses	School expenses	Board and lodging	Other expenses	All expenses	School expenses	Board and lodging	Other expenses	All expenses	School expenses	Board and lodging	Other expenses
Medicine (M.D.)	\$4,597	\$3,190	\$3,098	\$2,190	\$2,360	\$1,113	\$3,030	\$1,200	\$4,194	\$2,441	\$1,441	\$3,190
Pharmacy (D.P.)	3,175	2,032	2,030	2,000	2,440	1,270	2,090	2,070	3,065	2,000	2,015	2,660
Dentistry	3,113	2,030	2,030	2,030	2,000	1,100	2,090	2,030	3,030	2,000	2,030	3,240
Podiatry (D.P.)	3,113	2,030	2,030	2,030	2,000	1,100	2,090	2,030	3,030	2,000	2,030	3,240
Podiatry (D.P.)	3,113	2,030	2,030	2,030	2,000	1,100	2,090	2,030	3,030	2,000	2,030	3,240
Podiatry (D.P.)	3,113	2,030	2,030	2,030	2,000	1,100	2,090	2,030	3,030	2,000	2,030	3,240
Podiatry (D.P.)	3,113	2,030	2,030	2,030	2,000	1,100	2,090	2,030	3,030	2,000	2,030	3,240
Podiatry (D.P.)	3,113	2,030	2,030	2,030	2,000	1,100	2,090	2,030	3,030	2,000	2,030	3,240
Podiatry (D.P.)	3,113	2,030	2,030	2,030	2,000	1,100	2,090	2,030	3,030	2,000	2,030	3,240

- All expenses include: tuition, books, supplies, equipment, and uniforms.
- School expenses as personal maintenance, transportation, taxes, and insurance.
- Health Resources Administration, Bureau of Health Professions, Division of Health Professions Analysis, Study of Health Professions Students Finances: Their Education, 1976-77, OHS Publication No. (HRA) 80-52, 1980.



TABLE E-5

PERCENT DISTRIBUTION OF AVERAGE ANNUAL EXPENSES OF STUDENTS IN HEALTH PROFESSIONS, BY MAJOR AND SEX, 1975-1977

Health profession	Average annual expenses of student											
	Total students				Male students with no children				Male students with children			
	Other expenses	Books and supplies	Board and lodging	Other expenses	Other expenses	Books and supplies	Board and lodging	Other expenses	Other expenses	Books and supplies	Board and lodging	Other expenses
Podiatry	\$2,400	\$2,200	\$2,100	\$2,200	\$2,100	\$2,100	\$2,100	\$2,100	\$2,100	\$2,100	\$2,100	\$2,100
Physiotherapy	2,200	2,100	2,100	2,100	2,100	2,100	2,100	2,100	2,100	2,100	2,100	2,100
Pharmacy	2,100	2,100	2,100	2,100	2,100	2,100	2,100	2,100	2,100	2,100	2,100	2,100
Optometry	2,100	2,100	2,100	2,100	2,100	2,100	2,100	2,100	2,100	2,100	2,100	2,100
Podiatry	2,100	2,100	2,100	2,100	2,100	2,100	2,100	2,100	2,100	2,100	2,100	2,100
Physiotherapy	2,100	2,100	2,100	2,100	2,100	2,100	2,100	2,100	2,100	2,100	2,100	2,100
Pharmacy	2,100	2,100	2,100	2,100	2,100	2,100	2,100	2,100	2,100	2,100	2,100	2,100
Optometry	2,100	2,100	2,100	2,100	2,100	2,100	2,100	2,100	2,100	2,100	2,100	2,100

* Includes tuition, books, supplies, and other expenses of students.

** Includes expenses for personal maintenance, transportation, and other miscellaneous.

† The average annual expense for all students of a health profession is calculated by dividing the total average annual expense for all students of that profession by the total number of students in that profession.

§ Health Resources Administration, Bureau of Health Professions, Division of Health Professions, "Study of Health Professions Students' Finance Their Education, 1975-1977," 1978.

TABLE E-6

PERCENT DISTRIBUTION OF INCOME OF STUDENTS IN HEALTH PROFESSIONS FOR SELECTED HEALTH PROFESSIONS, FROM NON-REFUNDABLE AND REFUNDABLE SOURCES, ACADEMIC YEAR 1976-1977

Source	Percent distribution of income of students in different health professions						
	Total	Osteopathy	Dentistry	Optometry	Pharmacy	Podiatry	Physiotherapy
		100	100	100	100	100	100
Refundable sources							
Government and savings		78	73	79	8	69	96
Family contribution		1	14	18	71	2	36
Professional contribution		1	15	17	19	14	16
Scholarships		4	7	5	9	3	14
Armed Forces pay			2	1	1	1	1
Veterans benefits			2	2	2	3	1
Other sources			6	1	7	1	13
Non-refundable sources			27		1	27	4
Health care health professions							
Direct student loans			5	4	3	3	*
Office of Education loans			2	1	1	1	1
Private financial loans			6	8	3	16	1
Family loans			5	6	4	4	1
School and bank loans			3	1	1	2	*
Other loans			3	1	1	1	*

* Less than 0.5 percent.

† Data not available for students in schools of medicine (M.D.).

‡ Includes Armed Forces health professions scholarships, Federal health professions scholarship with service scholarships, State government scholarships, professional society scholarships, and other scholarships.

§ Includes school grants, gifts, National Medical Fellowships, and other non-repayable income.

¶ Includes school loans not guaranteed by government, professional foundation loans, personal loans, and family loans.

|| Includes guaranteed student bank loans, guaranteed school loans, and other school loans.

⦿ Includes Robert Wood Johnson loans, and loans from insurance companies and commercial banks.

Source: Health Resources Administration, Bureau of Health Professions, Division of Health Professions, "Study of Health Professions Students' Finance Their Education, 1975-1977," 1978, Publication No. (HRA) 78-52, 180.

TABLE 1-7
 AVERAGE INCOME OF STUDENTS IN SCHOOLS FOR SELECTED HEALTH OCCUPATIONS, BY SOURCE OF INCOME,
 AND PERCENT OF STUDENTS RECEIVING INCOME FROM EACH SOURCE, ACADEMIC YEAR 1976-77

Source of income	Podiatry		Dentistry		Optometry		Pharmacy		Podiatry		Veterinary medicine		Public health	
	Percent of students	Average amount												
All available sources	100	\$9,510	100	\$8,730	100	\$7,540	100	\$6,260	100	\$9,070	100	\$6,340	100	\$11,300
Government scholarships	54	2,080	55	2,150	35	1,990	35	2,150	78	2,710	79	2,080	51	2,110
Parental contribution	30	1,140	36	1,470	34	1,340	20	6,760	21	3,570	17	6,020	21	1,110
Scholarships from other sources	12	1,410	12	1,240	25	2,750	51	2,270	10	3,550	11	2,110	25	1,790
Armed Forces benefits	24	1,700	10	4,030	10	3,410	10	3,750	5	3,140	1	4,620	26	4,490
Veterans benefits	3	1,180	8	1,270	1	2,380	1	3,430	4	1,340	1	3,380	2	10,660
Other sources	10	2,120	18	2,710	11	1,620	15	1,130	12	1,440	13	2,350	5	2,950
Other sources	10	2,120	18	2,710	11	1,620	15	1,130	12	1,440	13	2,350	5	2,950
Unavailable sources	62	\$4,230	62	\$4,370	61	\$3,220	42	\$1,980	79	\$4,960	52	\$2,580	45	\$ 2,420
Professional foundation loans	21	1,490	25	2,170	26	1,420	19	1,010	30	1,290	22	1,460	4	2,000
Official education loans	1	1,320	5	2,530	4	1,310	4	1,330	5	1,830	5	1,580	6	1,580
Private financial sources	17	2,440	34	2,840	33	2,740	13	2,720	40	3,710	16	1,970	6	1,940
Family loans	5	1,580	18	3,760	14	2,360	1	1,960	19	1,110	12	2,500	9	1,360
School and bank loans of other loans	1	2,550	5	2,090	5	2,730	3	1,490	5	1,360	5	1,420	2	1,370
Other loans	1	2,110	21	2,180	11	1,660	10	1,770	14	2,290	11	1,760	5	2,110

1. Includes available income of students in schools of medicine (M.D.).

2. Includes Armed Forces health professions scholarships, Federal health professions/Public health service scholarships, State government scholarships, Professional Society scholarships, Robert Wood Johnson scholarships, and other scholarships.

3. Includes school grants-in-aid, National Medical Fellowships, and other non-repayable income.

4. Includes school loans not guaranteed by government, professional foundation loans, personal loans, and others.

5. Includes guaranteed student bank loans, guaranteed school loans, and private bank loans.

6. Includes student loan Johnson loans, and loans from insurance companies and commercial loan companies.

7. Data for unavailable sources: Administration, Bureau of Health Professions, Division of Health Professions Analysis, Study of the Health Professions Students (1976-77), Health Professions Analysis, 1976-77, DHHS Publication No. (HRA) 80-52, 1980.

PERCENT OF STUDENTS IN SCHOOLS FOR SELECTED HEALTH OCCUPATIONS WHO ARE IN DEBT,
AND AVERAGE AMOUNT OF DEBT: ACADEMIC YEAR 1976-77

Health occupation	Prior debt		Current debt		Anticipated debt	
	Percent of students with debt	Average amount	Percent of students with debt	Average amount	Percent of students with debt	Average amount
Medicine (M.D.)	*	*	73	\$16,450	74	\$17,300
Osteopathy (D.O.)	49	\$ 7,080	74	11,860	80	19,700
Dentistry	42	6,520	71	10,580	78	17,200
Optometry	39	5,590	68	8,840	75	14,300
Pharmacy	32	4,190	53	4,570	59	6,400
Podiatry	45	6,220	78	10,280	87	18,300
Veterinary medicine	44	5,760	64	7,490	72	10,600
Public health	52	12,290	59	11,550	59	11,610

* Data are not available.

1/ Includes financial obligations for preprofessional school educational expenses, automobile loans, medical expenses, and other items.

2/ Total unpaid debts as of June 1977.

3/ Estimate of total debt by graduation.

SOURCE: Health Resources Administration, Bureau of Health Professions, Division of Health Professions Analysis. Study of How Health Professions Students Finance Their Education, 1976-1977, DHHS Publication No. (HRA) 80-52, 1980.

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