

● R 150 B

71-195 ED

SELECTED CHARACTERISTICS OF PHYSICIAN
MANPOWER IN THE UNITED STATES 1970

CONGRESSIONAL
RESEARCH SERVICE

JANET KLINE
Education and Public Welfare
Division

August 23, 1971

LIBRARY
SANTA BARBARA
UNIVERSITY OF CALIFORNIA
SEP 24 1971
GOVT. PUBLICATIONS DEPT.

PHYSICIAN MANPOWER IN THE UNITED STATES
1970

Table of Contents

	<u>Page</u>
1. SUMMARY.....	1
2. NON-FEDERAL PHYSICIANS IN THE UNITED STATES AND POSSESSIONS BY SPECIALTY AND ACTIVITY (1970).....	3
3. CENSUS DISTRIBUTION ON NON-FEDERAL PHYSICIANS (1970).....	5
4. STATE DISTRIBUTION OF NON-FEDERAL PHYSICIANS (1970).....	6
5. DEMOGRAPHIC DISTRIBUTION OF NON-FEDERAL PHYSICIANS.....	9
6. COUNTIES IN THE UNITED STATES WITHOUT AN ACTIVE NON-FEDERAL PHYSICIAN.....	11
7. DISTRIBUTION OF NON-FEDERAL GENERAL PRACTITIONERS BY STATE, 1963, 1969, 1970.....	15
8. PHYSICIANS, POPULATION AND PHYSICIAN/POPULATION RATIOS.....	19
9. FOREIGN MEDICAL GRADUATES IN THE UNITED STATES.....	21

PHYSICIAN MANPOWER IN THE UNITED STATES
1970

1. SUMMARY^{1/}

310,845 physicians are professionally active in the United States and its possessions. In addition, there are 19,621 inactive physicians and 3,562 physicians whose activity status is uncertain.

278,535 (89.6%) of the active physicians in the United States are engaged in direct patient care. The remaining physicians are involved in medical teaching, administration, research, or other activities.

Of the total number of physicians engaged in patient care activities, 59,926 (20.4%) are in general practice; 67,213 (24.1%) are in medical specialties; 82,081 (29.5%) are in surgical specialties; and 72,315 (26%) are in other physician specialties.

^{1/} Unless otherwise noted, all data contained in this report is provided by the Department of Survey Research of Center for Health Services Research and Development, American Medical Association in Distribution of Physicians in the United States 1970; Chicago, Ill. 1971.

Table 1. Physicians by Activity and Specialty Group, December 31, 1970.

<u>Activity Specialty Group:</u>	<u>Total* (100%)</u>
Total physicians.....	<u>310,845</u>
Patient care.....	<u>278,535</u>
General practice.....	56,926
Medical Specialties.....	67,213
Surgical Specialties.....	82,081
Other Specialties.....	<u>72,315</u>
Medical teaching.....	5,588
Administration.....	12,158
Research.....	11,929
Other.....	2,635

*Excludes 19,621 Inactive, 3,204 address unknown, and 358 not classified.

2. NON-FEDERAL PHYSICIANS IN THE UNITED STATES AND POSSESSIONS BY SPECIALTY AND ACTIVITY (1970)

Table 2 shows the distribution of non-Federal physicians in the United States by type of specialty and professional activity.

Table 2. Non-Federal Physicians by Specialty and Activity (1970)

UNITED STATES AND POSSESSIONS										
SPECIALTY	TOTAL PHYSICIANS	MAJOR PROFESSIONAL ACTIVITY								
		TOTAL	PATIENT CARE			OTHER PROFESSIONAL ACTIVITY				
			OFFICE BASED PRACTICE	HOSPITAL BASED PRACTICE		Medical Teaching	Adminis-tration	Research	Other	
				Interns	Resi-dents					Full-Time Physician Staff
TOTAL PHYSICIANS	301,323	255,027	188,924	10,581	35,279	20,263	4,951	9,243	9,980	2,143
GENERAL PRACTICE	54,938	54,098	50,816	383	762	2,137	60	377	230	173
MEDICAL SPECIALTIES	69,243	60,968	43,756	3,085	9,458	4,029	1,709	1,879	4,373	314
A	1,643	1,474	1,338		54	32	21	15	129	4
CD	5,913	4,821	3,882		403	476	249	145	645	49
D	3,642	3,439	2,932		442	65	48	41	105	9
GE	1,730	1,374	1,112		157	105	89	22	240	5
IM	37,008	32,962	22,950	2,215	5,657	2,140	687	990	2,213	156
PU	16,579	14,825	10,310	870	2,433	1,212	453	507	723	71
PDA	379	331	275		40	16	9	4	34	1
PDC	468	315	162		67	86	56	12	82	3
PUD	1,881	1,427	785		145	497	97	139	202	16
SURGICAL SPECIALTIES	79,326	75,991	58,910	1,313	12,565	3,203	899	819	1,422	195
GS	27,139	26,016	18,068	1,190	5,321	1,437	275	313	472	63
NS	2,303	2,244	1,664		467	113	44	17	54	4
OBG	17,817	16,501	13,847	123	2,238	693	233	271	365	47
OPH	9,346	8,993	7,627		1,182	184	69	47	218	19
OKS	8,618	8,356	6,533		1,541	282	96	57	82	27
OTU	4,907	4,715	3,914		685	116	58	40	81	13
PS	1,502	1,445	1,160		232	51	22	8	20	3
CRS	655	637	605		20	12		4	10	4
TS	1,636	1,518	1,213		170	135	39	18	57	4
U	5,343	5,162	4,273		709	180	63	44	63	11
OTHER SPECIALTIES	77,837	63,970	35,402	5,780	12,494	10,294	2,283	6,168	3,955	1,461
AM	209	145	120		16	9	4	28	19	13
AN	10,226	9,567	7,369		1,289	909	350	172	171	16
CHP	2,012	1,643	1,065		301	277	102	159	90	18
DR	1,766	1,616	896		475	245	58	27	26	39
FOP	187	98	77		9	12	11	31	8	39
N	2,601	2,042	1,192		616	234	160	58	327	14
UM	2,436	1,832	1,786		7	39	5	473	36	90
P	18,988	16,510	10,078		2,997	3,435	431	1,416	531	100
PTH	9,066	6,989	2,993	159	1,854	1,983	415	429	657	576
PM	1,206	1,068	541		192	335	28	76	24	10
GPM	571	221	162		25	34	45	203	71	31
PH	2,458	675	488		71	116	94	1,477	99	113
R	9,492	8,877	5,781		1,737	1,359	191	106	122	196
TR	805	746	413		193	140	22	12	23	2
OTHER SPECIALTY UNSPECIFIED	5,559	2,428	1,306		520	602	274	1,234	1,495	128
TOTAL	10,255	9,513	1,155	5,621	2,192	565	93	317	256	76
NOT CLASSIFIED		358								
INACTIVE		19,621								

(See following page for Specialty Abbreviations)

SPECIALTY ABBREVIATIONS

GENERAL PRACTICE

GP General Practice

MEDICAL SPECIALTIES

A	Allergy	PD	Pediatrics
CD	Cardiovascular Diseases	PDA	Pediatric Allergy
D	Dermatology	PDC	Pediatric Cardiology
GE	Gastroenterology	PUD	Pulmonary Diseases
IM	Internal Medicine		

SURGICAL SPECIALTIES

GS	General Surgery	OTO	Otolaryngology
NS	Neurological Surgery	PS	Plastic Surgery
OBG	Obstetrics and Gynecology	CRS	Colon and Rectal Surgery
OPH	Ophthalmology	TS	Thoracic Surgery
ORS	Orthopedic Surgery	U	Urology

OTHER SPECIALTIES

AM	Aerospace Medicine	PTH	Pathology
AN	Anesthesiology	PM	Physical Medicine and Rehabilitation
CHP	Child Psychiatry	GPM	General Preventive Medicine
DR	Diagnostic Radiology	PH	Public Health
FOP	Forensic Pathology	R	Radiology
N	Neurology	TR	Therapeutic Radiology
OM	Occupational Medicine	OS	Other Specialty
P	Psychiatry	US	Unspecified

3. CENSUS DISTRIBUTION ON NON-FEDERAL PHYSICIANS (1970)

The northeast census region (New England and Middle Atlantic States) has the largest number of active non-Federal physicians. This region also has the largest percentage of physicians in patient care activities, teaching, administration, and research. More than 40% of all physicians engaged in research are located in this census region.

Table 3. Non-Federal Physicians by Census Region, Division and Activity (1970)

Census Region Division	Total Physicians*		Patient Care		Medical Teaching		Administration		Research		Other	
	Number	Per Cent	Number	Per Cent	Number	Per Cent	Number	Per Cent	Number	Per Cent	Number	Per Cent
Total Non-Federal	281,344	100.0	255,027	100.0	4,951	100.0	9,243	100.0	9,980	100.0	2,143	100.0
Northeast	87,641	31.2	77,928	30.6	1,514	30.6	3,330	36.0	4,145	41.5	724	33.8
New England	20,391	7.2	17,802	7.0	315	6.4	757	8.2	1,341	13.4	176	8.2
Middle Atlantic	67,250	23.9	60,126	23.6	1,199	24.2	2,573	27.8	2,804	28.1	548	25.6
North Central	66,993	23.8	61,451	24.1	1,151	23.2	1,906	20.6	2,022	20.3	463	21.6
East North Central	48,162	17.1	44,281	17.4	744	15.0	1,409	15.2	1,384	13.9	344	16.1
West North Central	18,831	6.7	17,170	6.7	407	8.2	497	5.4	638	6.4	119	5.6
South	70,178	24.9	64,031	25.1	1,365	27.6	2,148	23.2	2,122	21.3	512	23.9
South Atlantic	37,560	13.4	33,871	13.3	738	14.9	1,328	14.4	1,327	13.3	296	13.8
East South Central	12,155	4.3	11,200	4.4	231	4.7	334	3.6	296	3.0	92	4.3
West South Central	20,463	7.3	18,960	7.4	396	8.0	486	5.3	497	5.0	124	5.8
West	54,043	19.2	49,368	19.4	848	17.1	1,753	19.0	1,641	16.4	433	20.2
Mountain	10,368	3.7	9,500	3.7	158	3.2	319	3.5	294	2.9	97	4.5
Pacific	43,675	15.5	39,868	15.6	690	13.9	1,434	15.5	1,347	13.5	336	15.7
Possessions	2,489	0.9	2,249	0.9	73	1.5	106	1.1	50	0.5	11	0.5

*Excludes 19,621 Inactive and 358 Not Classified.

NOTE: Percentages may not add due to rounding.

4. STATE DISTRIBUTION OF NON-FEDERAL PHYSICIANS (1970)

Table 4. Distribution of Non-Federal Physicians by State and Major Professional Activity (1970)

State	Total Physi- cians	Patient Care	Medical Teaching	Admini- stration	Research	Other	Not Classi- fied	Inactive
ALABAMA	3,061	2,678	41	75	69	22	---	176
ALASKA	203	191	---	7	1	---	---	4
ARIZONA	2,539	2,059	27	68	32	25	---	328
ARKANSAS	1,767	1,533	28	34	21	13	---	138
CALIFORNIA	38,031	31,934	534	1,130	1,086	272	25	3,050
CANAL ZONE	31	30	---	1	---	---	---	---
COLORADO	3,871	3,229	71	128	160	38	1	244
CONNECTICUT	5,798	4,797	93	227	236	53	6	386
DELAWARE	730	632	4	27	15	3	1	48
DISTRICT OF COLUMBIA	2,883	2,330	96	163	124	26	6	138
FLORIDA	10,437	7,837	126	217	203	93	4	1,957
GEORGIA	4,879	4,233	112	152	91	28	1	262
HAWAII	1,150	969	19	47	19	9	1	86
IDAHO	671	597	2	17	2	6	---	47
ILLINOIS	15,299	13,182	189	485	480	107	19	837
INDIANA	5,274	4,638	69	134	111	32	4	286
IOWA	2,914	2,526	44	59	81	17	6	181

(Table 4 continued on next page)

Table 4 (cont'd)

State	Total Physi- cians	Patient Care	Medical Teaching	Admini- stration	Research	Other	Not Classi- fied	Inactive
KANSAS	2,601	2,233	48	65	62	14	4	175
KENTUCKY	3,261	2,856	66	85	70	23	7	154
LOUISIANA	4,323	3,801	128	91	92	25	4	182
MAINE	1,097	900	3	42	16	9	2	125
MARYLAND	7,105	5,725	149	296	488	48	8	391
MASSACHU- SETTS	11,727	9,352	183	385	982	88	46	691
MICHIGAN	10,982	9,515	177	337	274	70	11	598
MINNESOTA	5,756	4,933	115	113	217	40	2	336
MISSISSIPPI	1,849	1,649	21	32	24	11	---	112
MISSOURI	5,994	5,042	131	188	248	32	6	347
MONTANA	722	657	3	7	4	8	---	43
NEBRASKA	1,711	1,439	59	49	26	6	2	130
NEVADA	550	480	2	14	6	2	---	46
NEW HAMPSHIRE	1,034	839	11	31	34	7	3	109
NEW JERSEY	10,390	8,958	99	357	252	90	14	620
NEW MEXICO	1,133	943	14	43	31	12	---	90
NEW YORK	42,975	35,995	776	1,615	1,932	317	95	2,245
NORTH CAROLINA	5,524	4,647	98	193	249	27	2	308
NORTH DAKOTA	580	512	5	14	3	7	1	38

Table 4 (cont'd)

State	Total Physi- cians	Patient Care	Medical Teaching	Admini- stration	Research	Other	Not Classi- fied	Inactive
OHIO	14,106	12,333	213	341	381	94	25	719
OKLAHOMA	2,597	2,246	46	64	54	16	1	170
OREGON	3,021	2,569	56	85	61	31	1	218
PENNSYLVANIA	17,876	15,173	324	601	620	141	26	991
PUERTO RICO	2,425	2,111	73	101	48	11	1	80
RHODE ISLAND	1,465	1,254	11	36	35	13	6	110
SOUTH CAROLINA	2,349	2,062	31	67	18	13	3	155
SOUTH DAKOTA	534	485	5	9	1	3	---	31
TENNESSEE	4,658	4,017	103	142	135	36	---	225
TEXAS	12,977	11,380	194	297	330	70	4	702
UTAH	1,462	1,243	38	36	57	3	---	85
VERMONT	832	660	14	36	38	6	1	77
VIRGINIA	5,586	4,809	102	163	116	42	2	352
VIRGIN ISLANDS	83	72	---	3	1	---	---	7
WASHINGTON	4,985	4,205	81	165	180	24	3	327
WEST VIRGINIA	1,823	1,596	20	50	23	16	1	117
WISCONSIN	5,320	4,613	96	112	138	41	3	317
WYOMING	333	292	1	6	2	3	---	29
PACIFIC ISLANDS	39	36	---	1	1	---	---	1

5. DEMOGRAPHIC DISTRIBUTION OF NON-FEDERAL PHYSICIANS

The Demographic County Classification System, as developed by the American Medical Association, is a way of classifying counties in the United States in order to relate the distribution of physicians to the distribution of resident civilian population. Nine classifications are used ranging from Non-Metropolitan Counties with 0-9,999 Inhabitants to Counties in Standard Metropolitan Statistical Areas (SMSA's) with 5,000,000 or more inhabitants. The distribution of population under this system is shown below:

Table 5. Demographic County Classification, December 31, 1970

County Classification	Definition	Number of SMSA's	Number of Counties ^{2/}	Resident Population
Total 50 States and D.C.		300	3,084	203,485,300
9	Counties in SMSA's With 5,000,000 or More Inhabitants	3	16	25,810,800
8	Counties in SMSA's With 1,000,000 to 4,999,999 Inhabitants	28	119	53,237,700
7	Counties in SMSA's With 500,000 to 999,999 Inhabitants	39	95	27,173,500
6	Counties in SMSA's With 50,000 to 499,999 Inhabitants	151	221	32,768,400
5	Counties Considered Potential SMSA's	79	96	10,414,500
4	Non-Metropolitan Counties With 50,000 or More Inhabitants		222	15,670,500
3	Non-Metropolitan Counties With 25,000 to 49,999 Inhabitants		495	17,140,100
2	Non-Metropolitan Counties With 10,000 to 24,999 Inhabitants		1,003	16,477,100
1	Non-Metropolitan Counties With 0 to 9,999 Inhabitants		817	4,792,700

NOTE: Population data as of December 31, 1969.

^{2/} The independent cities of St. Louis, Missouri; Baltimore, Maryland; Alexandria, Virginia; and Chesapeake, Virginia are treated as individual counties. Princess Anne County in Virginia is referred to as Virginia Beach City; Kalawao County in Hawaii is combined with Maui County; and Alaska is divided into four judicial divisions.

An uneven distribution of physicians and other health resources is illustrated by the application of the demographic classification system. 53% of the nation's doctors are located in highly populated metropolitan areas and serve the needs of almost 40% of the resident population. In contrast, only 3.8% of the nation's physicians are located in rural areas to serve 10.5% of the population.

Table 6. Percentage Distribution of Non-Federal Physicians, Hospitals, Hospital Beds, and Population by Demographic County Classification

Demographic County Classification	Total Physicians (12-31-70)	Patient Care	Office Based Practice				Hospital Based Practice	Other Profes- sional Activity*	In- active	Not Classi- fied	Hospi- tals (12-1-70)	Hospital Beds (12-1-70)	Resident Population (12-31-69)
			General Practice	Medical Spec.	Surgical Spec.	Other Spec.							
Total	1000	1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Possessions	09	09	0.8	0.7	0.6	0.6	1.5	0.9	0.4	0.3	0.9	0.8	NA.
1	07	08	3.1	0.2	0.3	0.2	0.1	0.1	1.2	0.3	8.1	2.0	2.4
2	31	32	10.5	1.2	2.0	1.4	0.8	0.8	4.7	1.1	18.2	7.0	8.1
3	42	44	9.9	3.2	4.4	3.2	1.4	1.6	5.4	1.4	14.0	8.4	8.4
4	54	54	8.1	5.1	6.5	5.0	3.0	3.8	7.4	4.7	9.3	7.7	7.7
5	42	43	4.6	4.6	5.2	4.3	3.1	2.9	5.1	4.2	4.8	5.4	5.1
6	142	145	14.0	15.0	18.0	16.0	10.5	11.7	14.8	7.3	12.7	17.3	16.1
7	142	142	11.6	15.1	15.2	14.5	14.4	14.5	14.8	11.2	7.7	12.5	13.4
8	336	330	23.3	34.6	31.8	34.6	39.8	41.7	30.4	39.7	16.5	26.0	26.2
9	194	194	14.1	20.4	15.9	20.3	25.4	21.9	15.6	29.9	7.8	13.0	12.7

*Includes Medical Teaching, Administration, Research, and Other.

NOTE: Percentages may not add due to rounding.

N.A. Not Available.

6. COUNTIES IN THE UNITED STATES WITHOUT AN ACTIVE NON-FEDERAL PHYSICIAN

132 counties in the United States have no active non-Federal physicians. Although, this figure represents a decrease of 2 counties from 1969, it remains an increase of 34 counties since 1963. The 132 counties cover approximately 4% of the land area (140,699 square miles) in the United States and are inhabited by almost one-half million (472,000) people or 0.2% of the total United States population.

Table 7. Counties Without an Active Non-Federal Physician (1970)

State	County	Square Miles	Resident Population	Population Per Square Mile	
	December 31, 1970		December 31, 1969		
Total 50 States and D.C.	3,084 (100.0%)	3,541,072 (100.0%)	203,485,300 (100.0%)	57	
Total Counties Without a Physician	132 (4.3%)	140,699 (4.0%)	472,000 (0.2%)	3	
California	Alpine	156,537	19,980,500	128	
		723	400	1	
Colorado	Dolores	103,797	2,101,300	20	
		1,026	1,600	2	
		1,864	3,500	2	
		1,054	200	—*	
		1,767	2,000	1	
Florida	Mineral	921	500	1	
		Dixie	54,136	6,472,500	120
			692	5,000	7
			753	3,800	5
542	2,800		5		
Liberty	839	2,900	3		
	Georgia	58,197	4,622,400	79	
318		6,300	20		
355		3,900	11		
477		5,700	13		
211		3,700	18		
425		1,800	4		
355		6,800	19		
402		4,000	10		
426		7,000	16		
186		7,600	41		
171		2,500	15		
195		2,600	13		
195		3,000	15		
306		5,300	17		

(Table 7 continued on next page)

Table 7 (cont'd)

State	County	Square Miles	Resident Population	Population Per Square Mile
	December 31, 1970		December 31, 1969	
Idaho		82,677	713,300	9
	Boise	1,910	1,800	1
	Clark	1,751	700	—*
	Custer	4,929	2,700	1
	Owyhee	7,641	6,300	1
Kansas		82,056	2,335,100	28
	Elk	647	4,500	7
	Stanton	676	2,500	4
Kentucky		39,851	3,214,200	81
	Menifee	210	4,100	20
	Robertson	101	2,300	23
Michigan		56,817	8,759,300	154
	Keweenaw	528	2,000	4
	Montmorency	555	4,200	8
Mississippi		47,358	2,374,300	50
	Issaquena	414	2,500	6
Missouri		69,046	4,641,600	67
	Bollinger	621	8,400	14
	Carter	506	4,800	9
	Clark	506	7,800	15
	DeKalb	423	7,500	18
	Hickory	397	4,100	10
	McDonald	540	9,800	18
	Maries	525	7,500	14
	Mercer	455	5,000	11
	Osage	608	8,900	15
	Ozark	732	6,000	8
	Putnam	518	6,200	12
	Ralls	478	7,500	16
	Reynolds	817	5,600	7
	Schuyler	306	4,700	15
	Scotland	441	5,500	12
Shannon	999	7,500	8	
Montana		145,603	709,100	5
	Golden Valley	1,176	1,200	1
	Judith Basin	1,880	3,100	2
	Petroleum	1,655	800	—*
	Treasure	985	1,200	1
	Wibaux	890	1,600	2
Nebraska		76,528	1,478,900	19
	Arthur	704	700	1
	Banner	738	1,000	1
	Blaine	710	900	1
	Gosper	464	1,700	4
	Grant	764	900	1
	Hayes	711	1,900	3
	Keya Paha	768	1,300	2
	Logan	570	1,000	2
	Loup	574	800	1
	McPherson	856	600	1
	Sioux	2,063	2,200	1
	Thomas	716	900	1
	Wheeler	576	1,000	2

(Table 7 continued on next page)

Table 7 (cont'd)

State	County	Square Miles	Resident Population	Population Per Square Mile
	December 31, 1970		December 31, 1969	
Nevada		109,889	492,300	4
	Esmeralda	3,570	300	—*
	Lander	5,621	2,500	—*
	Storey	262	600	2
New Mexico		121,445	1,038,200	9
	Harding	2,134	1,400	1
	Sandoval	3,714	18,200	5
North Carolina		49,067	5,177,600	106
	Perquimans	261	8,800	34
North Dakota		69,280	638,300	9
	Billings	1,139	1,400	1
	Dunn	1,992	4,900	2
	Nelson	995	7,700	7
	Oliver	721	1,800	2
	Sheridan	989	2,800	3
	Sioux	1,103	4,300	4
	Slope	1,225	1,100	1
Oklahoma		68,984	2,536,100	36
	Dewey	1,018	6,100	6
Oregon		96,209	2,048,500	21
	Gilliam	1,208	2,800	2
	Sherman	830	2,600	3
	Wheeler	1,707	1,700	1
South Dakota		75,955	686,400	9
	Aurora	709	4,600	6
	Buffalo	482	2,200	5
	Clark	964	6,000	6
	Dewey	2,351	5,300	2
	Hanson	430	4,500	10
	Harding	2,682	1,800	1
	Hyde	863	2,800	3
	Jerauld	527	3,300	6
	Jones	973	2,000	2
	Mellette	1,306	2,600	2
	Sanborn	570	4,100	7
	Shannon	2,100	8,000	4
	Stanley	1,414	2,300	2
	Washabaugh	1,061	1,000	1
	Ziebach	1,981	2,100	1
Tennessee		41,367	3,992,800	97
	Meigs	191	5,000	26

(Table 7 continued on next page)

Table 7 (cont'd)

State	County	Square Miles	Resident Population	Population Per Square Mile
	December 31, 1970		December 31, 1969	
Texas		262,970	11,257,600	43
	Borden	907	1,000	1
	Briscoe	874	3,400	4
	Carson	900	7,100	8
	Glasscock	863	1,400	2
	Hartley	1,488	3,300	2
	Hudspeth	4,554	2,700	1
	Irion	1,073	1,100	1
	Jeff Davis	2,259	1,300	1
	Kenedy	1,394	800	1
	Kent	880	1,500	2
	King	944	500	1
	Kinney	1,393	2,000	1
	Lipscomb	934	3,100	3
	Loving	648	100	—*
	McMullen	1,159	1,100	1
	Oldham	1,478	2,600	2
	Real	622	2,000	3
	Roberts	899	1,200	1
	San Jacinto	624	6,800	11
Sherman	916	3,700	4	
Stonewall	926	2,800	3	
Terrell	2,391	2,500	1	
Utah		82,381	1,049,700	13
	Daggett	706	600	1
	Piute	754	1,400	2
	Rich	1,023	1,400	1
	Wayne	2,486	1,600	1
Vermont		9,274	422,300	46
	Grand Isle	83	3,000	36
Virginia		39,838	4,715,900	118
	King and Queen	318	5,300	17
	Stafford	271	23,000	85
West Virginia		24,084	1,785,400	74
	Gilmer	339	8,300	24
Wisconsin		54,464	4,320,600	79
	Menominee	256	2,700	11

*Less than 0.5.

Sources: U.S. Bureau of the Census. *County and City Data Book, 1967* (A Statistical Abstract Supplement). Washington, D.C.: U.S. Government Printing Office, 1967.Sales Management, Inc. *Survey of Buying Power*. June, 1970.

7. DISTRIBUTION OF NON FEDERAL GENERAL PRACTITIONERS BY STATE, 1963, 1969, 1970

In 1963, 70,405 non-Federal general practitioners were professionally active in the United States and its possessions. By 1969, the number had dropped to 55,341. In 1970, continuing to decrease, the number of general practitioners totaled 54,938.

Between 1963 and 1970, the number of general practitioners decreased in every State with the exception of two--Arizona and Nevada.

Although total figures for this seven year span reflected a decrease in the number of general practitioners, a slight increase occurred from 1969 to 1970 in eighteen States and Puerto Rico.

Table 8 outlines the distribution of professionally active general practitioners, State by State, for 1963, 1969, and 1970.

Table 8. Distribution of Non-Federal General Practitioners by State
1963, 1969, 1970

<u>State</u>	<u>1963</u> ^{3/}	<u>1969</u> ^{4/}	<u>1970</u>	<u>% Change Between</u> <u>1963 and 1970</u>
ALABAMA	942	742	720	-23.6
ALASKA	66	61	66	0
ARIZONA	502	501	511	+ 1.8
ARKANSAS	748	574	576	-23.0
CALIFORNIA	8,124	7,023	7,040	-13.3
CANAL ZONE	9	4	4	-55.6
COLORADO	704	608	610	-13.4
CONNECTICUT	933	677	664	-28.8
DELAWARE	161	131	137	-14.9
DISTRICT of COLUMBIA	352	220	212	-39.8
FLORIDA	1,505	1,432	1,465	- 2.7
GEORGIA	1,148	889	889	-22.6
HAWAII	221	197	193	-12.7
IDAHO	293	251	253	-13.7
ILLINOIS	4,270	3,142	3,058	-28.4
INDIANA	1,898	1,654	1,638	-13.7
IOWA	1,160	905	891	-23.2

(Table 8 continued on next page)

Table 8 (cont'd.)

<u>State</u>	<u>1963</u>	<u>1969</u>	<u>1970</u>	<u>% Change Between 1963 and 1970</u>
KANSAS	850	658	653	-23.2
KENTUCKY	1,035	889	891	-13.9
LOUISIANA	1,012	856	876	-13.4
MAINE	359	268	267	-25.6
MARYLAND	1,018	802	802	-21.2
MASSACHUSETTS	2,218	1,460	1,433	-35.4
MICHIGAN	2,382	1,831	1,795	-24.6
MINNESOTA	1,412	1,212	1,207	-14.5
MISSISSIPPI	775	595	581	-25.0
MISSOURI	1,252	904	890	-28.9
MONTANA	282	234	245	-13.1
NEBRASKA	621	517	511	-17.7
NEVADA	116	134	141	+21.6
NEW HAMPSHIRE	281	234	233	-17.1
NEW JERSEY	2,448	1,775	1,730	-29.3
NEW MEXICO	228	202	197	-13.6
NEW YORK	7,993	5,168	5,060	-36.7
NORTH CAROLINA	1,321	1,112	1,100	-16.7
NORTH DAKOTA	216	190	189	-12.5
OHIO	3,642	2,786	2,727	-25.1
OKLAHOMA	852	649	632	-25.8
OREGON	743	625	642	-13.6

(Table 8 cont'd. on next page)

Table 8 (cont'd.)

<u>State</u>	<u>1963</u>	<u>1969</u>	<u>1970</u>	<u>% Change Between 1963 and 1970</u>
PENNSYLVANIA	4,622	3,437	3,434	-25.7
PUERTO RICO	544	533	541	- 0.6
RHODE ISLAND	302	204	200	-33.8
SOUTH CAROLINA	749	662	666	-11.1
SOUTH DAKOTA	258	212	203	-21.3
TENNESSEE	1,128	874	854	-24.3
TEXAS	3,403	2,919	2,936	-13.7
UTAH	313	260	262	-16.3
VERMONT	186	137	135	-27.4
VIRGINIA	1,312	1,117	1,105	-15.8
VIRGIN ISLANDS	10	8	8	-20.0
WASHINGTON	1,184	1,082	1,078	- 9.0
WEST VIRGINIA	599	447	442	-26.2
WISCONSIN	1,541	1,207	1,209	-21.5
WYOMING	153	121	127	-17.0
PACIFIC ISLANDS	9	9	9	0
TOTAL	70,405	55,341	54,938	-22.0

3/ Source of 1963 figures found in Selected Characteristics of the Physician Population 1963 and 1967, American Medical Association, Chicago, Illinois, 1968.

4/ Source of 1969 figures found in Distribution of Physicians, Hospitals, and Hospital Beds in the U.S., 1969; Volume 1, Regional, State, County. American Medical Association, Chicago, Illinois, 1970.

8. PHYSICIANS, POPULATION AND PHYSICIAN/POPULATION RATIOS

Table 9.5/ Physicians, Population, and Physician/Population Ratios for Selected Years, 1950-1970

Year	Total Physicians ^a	Total Population ^b	Physicians per 100,000 Population	Population per One Physician
1950	219,997	156,472,000	141	711
1955	241,711	170,499,000	142	705
1960	260,484	185,370,000	141	712
1963	276,475	194,169,000	142	702
1964	284,224	196,858,000	144	693
1965	292,088	199,278,000	147	682
1966	300,375	201,585,000	149	671
1967	308,630	203,708,000	152	660
1968	317,032	205,758,000	154	649
1969	324,942	207,913,000	156	640
1970	334,028	210,960,000	158	632

a-Includes inactive and address unknown.

b-Includes Armed Forces in the U.S. and abroad, civilians in the 50 States, D.C., Puerto Rico, and other U.S. outlying areas; and U.S. Government and civilian employees, their dependents, of Armed Forces personnel abroad.

5/ Source, Reference Data on Socio-economic Issues of Health; 1971 Revised Edition. Center for Health Services Research and Development, American Medical Association, 1971.

Table 10.6/ Non-Federal Physicians in Patient Care for 1969 and 1970.
Civilian Population and Physician/Population Ratios by
State for 1969

State	Physicians Providing Patient Care ^a (12-31-70)	Physicians Providing Patient Care ^a (12-31-69)	Civilian Population, ^b in Thousands (7-1-69)	Physicians per 100,000 Population	Population per One Physician
Total ^c	255,027	247,381	202,426	122	818
Alabama	2,678	2,627	3,496	75	1,331
Alaska	191	181	249	73	1,376
Arizona	2,059	1,955	1,665	117	852
Arkansas	1,533	1,482	1,986	75	1,340
California	31,934	30,794	19,055	162	619
Colorado	3,229	3,067	2,045	150	667
Connecticut	4,797	4,650	2,989	156	643
Delaware	632	604	533	113	882
D. C.	2,330	2,314	784	295	339
Florida	7,837	7,451	6,256	119	840
Georgia	4,233	4,106	4,532	91	1,104
Hawaii	969	934	737	127	789
Idaho	597	578	713	81	1,234
Illinois	13,182	12,884	10,986	117	853
Indiana	4,638	4,483	5,109	88	1,140
Iowa	2,526	2,492	2,780	90	1,116
Kansas	2,233	2,173	2,278	95	1,048
Kentucky	2,856	2,832	3,180	89	1,123
Louisiana	3,801	3,723	3,705	100	995
Maine	900	868	965	90	1,112
Maryland	5,725	5,423	3,701	147	682
Massachusetts	9,352	8,995	5,431	166	604
Michigan	9,515	9,379	8,750	107	933
Minnesota	4,933	4,794	3,695	130	771
Mississippi	1,649	1,609	2,330	69	1,448
Missouri	5,042	4,950	4,611	107	932
Montana	657	624	688	91	1,103
Nebraska	1,439	1,413	1,438	98	1,018
Nevada	480	441	447	99	1,014
New Hampshire	839	802	713	112	889
New Jersey	8,958	8,630	7,082	122	821
New Mexico	943	862	977	88	1,133
New York	35,995	35,317	18,284	193	518
North Carolina	4,647	4,541	5,077	89	1,118
North Dakota	512	517	604	86	1,168
Ohio	12,333	12,018	10,720	112	892
Oklahoma	2,246	2,197	2,529	87	1,151
Oregon	2,569	2,484	2,028	122	816
Pennsylvania	15,173	14,815	11,782	126	795
Puerto Rico	2,111	2,013	2,741	73	1,362
Rhode Island	1,254	1,195	884	135	740
South Carolina	2,062	1,951	2,617	75	1,341
South Dakota	485	483	654	74	1,354
Tennessee	4,017	3,910	3,950	99	1,010
Texas	11,380	11,018	10,989	100	997
Utah	1,243	1,195	1,041	115	871
Vermont	660	644	438	147	680
Virginia	4,809	4,602	4,486	103	975
Washington	4,205	4,045	3,329	122	823
West Virginia	1,596	1,599	1,818	88	1,137
Wisconsin	4,613	4,444	4,230	105	952
Wyoming	292	273	317	86	1,161

a-Excludes Medical Teaching, Administration, Research, and Other.

b-Excludes Armed Forces. Includes Puerto Rico. Due to rounding, total does not add.

c-Excludes Canal Zone, Pacific Islands, and Virgin Islands.

Note: Since civilian population figures for 1970 are not yet available, the physician/population ratios are based on 1969 data.

6/ Source, see footnote 5.

9. FOREIGN MEDICAL GRADUATES IN THE UNITED STATES

Table 11. Foreign Medical Graduates in the U.S. by Specialty Group and Activity, December 31, 1969

Specialty	Total Phys.	Major Professional Activity								
		Patient Care					Other Professional Activity			
		Total	Office Based Prac.	Hospital In-terns	Based Practice Resi-dents	Phys. Staff	Med. Teach.	Adminis-tration	Re-search	Other
Total	53,552	45,065	19,483	3,270	13,586	8,726	919	1,175	3,470	701
Gen. Prac.	6,700	6,506	5,041	116	371	978	6	50	62	76
Medical Spec.	12,292	10,480	4,407	381	3,605	2,087	228	183	1,282	119
Surgical Spec.	11,781	10,969	4,903	282	4,302	1,482	130	89	531	62
Other Spec.	20,557	17,110	5,132	2,491	5,308	4,179	555	853	1,595	444
Inactive	2,222									

7/ Source, Reference Data on The Profile Medical Practice, 1971. American Medical Practice, 1971. American Medical Association, 1971.

Table 12.^{8/} Foreign Medical Graduates in the United States by Country of Graduation, December 31, 1969

Country	Total	Country	Total
Total	53,552	Panama	21
Afghanistan	15	Paraguay	63
Algeria	1	Peru	573
Argentina	1,224	Phillipines	6,974
Australia	308	Poland	575
Austria	1,728	Portugal	99
Belgium	461	Romania	285
Bolivia	123	Senegal	1
Brazil	353	Singapore	16
Bulgaria	48	South Africa	338
Burma	83	South Korea	1,853
Ceylon	43	South Vietnam	17
Chile	150	Spain	1,684
China	566	Sudan	2
Colombia	866	Surinam	2
Congo (Kinshasa)	1	Sweden	53
Costa Rica	7	Switzerland	2,496
Cuba	2,644	Syria	130
Czechoslovakia	589	Taiwan (Formosa)	877
Denmark	87	Thailand	1,027
Dominican Republic	590	Turkey	827
East Germany	762	Uganda	4
Ecuador	129	Union of Soviet Socialist Republics	876
El Salvador	80	United Arab Republic (Egypt)	542
Finland	30	United Kingdom	2,566
France	679	Uruguay	36
Greece	775	Venezuela	115
Guatemala	97	West Germany	3,450
Haiti	297	Yugoslavia	376
Honduras	41		
Hong Kong	89		
Hungary	867		
Iceland	46		
India	3,246		
Indonesia	62		
Iran	1,501		
Iraq	181		
Ireland	873		
Israel	204		
Italy	3,108		
Jamaica	34		
Japan	803		
Lebanon	569		
Malta	5		
Mexico	1,731		
Netherlands	722		
New Zealand	76		
Nicaragua	71		
Nigeria	14		
North Korea	3		
North Vietnam	2		
Norway	45		
Pakistan	645		

^{8/} See footnote 7.