

1976

AEROMEDICAL CERTIFICATION STATISTICAL HANDBOOK



**DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
CIVIL AEROMEDICAL INSTITUTE
AEROMEDICAL CERTIFICATION BRANCH
Medical Statistical Section**

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SYMBOLS

Category not applicable.....	N/A
Data not available.....	---
Quantity zero.....	-
Quantity more than 0 but less than 0.05.....	0.0
More than.....	>
Less than.....	<

FOR ADDITIONAL INFORMATION ON DATA PRESENTED, please refer to the footnotes provided on the table or chart, or contact the office indicated in the source note.

SECTION I

AVIATION MEDICAL EXAMINER INFORMATION

This section reflects the activities of the Aviation Medical Examiner Program during calendar year 1976, with some comparative data for previous years.

An Aviation Medical Examiner (AME) is a physician authorized by the Federal Aviation Administration (FAA) to perform airman physical examinations for issuance of FAA medical certificates. These physicians are designated according to the geographical distribution of airmen. There are also military facilities (installations) designated to perform FAA airman examinations of military personnel for issuance of second and third class certificates. A facility or installation, instead of an individual, is designated in this instance due to frequent rotation of military medical officers.

Aviation Medical Examiner seminars are held in each region and at Oklahoma City's Aeronautical Center to acquaint these physicians with the regulations and procedures governing the issuance of FAA medical certificates.

Table I.A

DESIGNATED FAA AVIATION MEDICAL EXAMINERS BY REGION
1974-1976

Region	Percent of 1976 Total*	Aviation Medical Examiners		
		1976	1975	1974
Eastern	12.0	919	913	857
Central	8.4	639	611	593
Southern	15.1	1,154	1,138	1,075
Southwest	11.4	874	854	844
Western	10.9	834	834	873
Rocky Mountain	5.9	452	459	431
Northwest	6.0	459	447	419
New England	2.8	214	208	209
Great Lakes	15.6	1,190	1,162	1,135
Alaskan	1.1	82	77	77
Pacific	0.6	47	51	48
SUBTOTAL	89.8	6,864	6,754	6,561
Military**	5.8	441	503	557
International	4.4	333	333	332
TOTAL	100.0	7,638	7,590	7,450

*The basis for percentage computations is total designations as of the end of calendar year 1976, i.e., U.S. and International designations represent one physician for each designation; whereas, Military designations represent one facility for each designation.

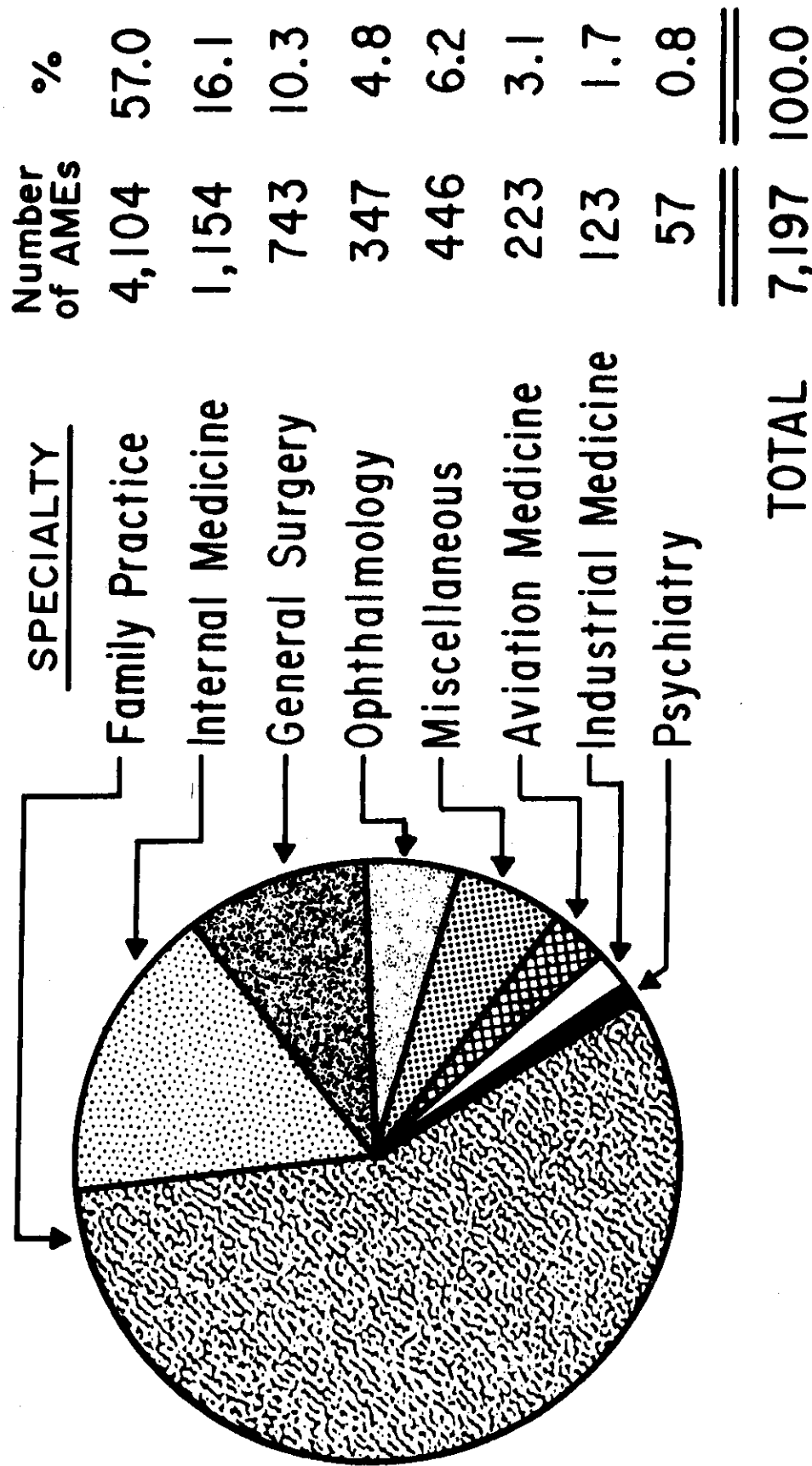
**Denotes military installation designations rather than individual physicians.

Source: Civil Aeromedical Institute, Aeromedical Education Branch, Aviation Medical Examiner Section; RIS: AC 8520-2, AME Worklist by State (Designated FAA Aviation Medical Examiners by Region and State).

Figure I.B

MEDICAL PRACTICE OF AVIATION MEDICAL EXAMINERS*

1976



*Based on United States and international aviation medical examiners; military not included.

Source: Civil Aeromedical Institute, Aeromedical Education Branch, Aviation Medical Examiner Section; RIS: AC 8520-5, AME Specialty Summary by State.

Table I.C
REGIONAL COVERAGE OF AVIATION MEDICAL
EXAMINERS VERSUS CIVIL AIRMEN

1976

Region	Active U.S. Civil Airman Population*	U.S. Non- Military AME Population**	Ratio AME's To Airmen
Eastern	93,275	919	1:101
Central	46,672	639	1:73
Southern	100,003	1,154	1:87
Southwest	81,678	874	1:93
Western	115,761	834	1:139
Rocky Mountain	33,785	452	1:75
Northwest	37,770	459	1:82
New England	30,050	214	1:140
Great Lakes	128,437	1,190	1:108
Alaskan	9,220	82	1:112
Pacific	2,321	47	1:49
TOTAL	678,972	6,864	1:99

*Active U.S. Civil Airman Population figures are as of December 31, 1976, RIS: AC 8065-4, Examination Time Period Summary. Military and international not included.

**U.S. Non-Military AME Population figures are as of January 15, 1977 RIS: AC 8520-2, AME Worklist by State (Designated FAA Aviation Medical Examiners by Region and State). Military and international not included.

Source: Civil Aeromedical Institute, Aeromedical Education Branch
Aviation Medical Examiner Section; and, Aeromedical Certification
Branch, Medical Statistical Section.

Table I.D
 AVIATION MEDICAL EXAMINERS SEMINARS
 DATE, LOCATION, AND ATTENDANCE
 1976

Date	Location	Attendance
January 9-11	San Antonio, Texas	148
February 27-29	Washington, D. C.	230
March 8-11	Denver, Colorado	191
April 5-9	Oklahoma City, Oklahoma	51
May 10-13	Bal Harbour, Florida	109
June 18-20	Palm Springs, California	148
July 16-18	New Orleans, Louisiana	162
August 5-8	Boston, Massachusetts	111
August 20-22	Columbus, Ohio	180
September 10-12	Seattle, Washington	134
October 1-3	Lake Buena Vista, Florida	62
October 11	San Diego, California	113
October 22-24	Houston, Texas	62
November 12-14	Minneapolis, Minnesota	160
November 29-Dec. 2	Oklahoma City, Oklahoma	41
TOTAL		1,902

Source: Civil Aeromedical Institute, Aeromedical Education Branch, Aviation Medical Examiner Section.

Table I.E
 AVIATION MEDICAL EXAMINER
 SEMINARS AND ATTENDANCE
 1960 - 1976

Year	Seminars	Attendance
1960	1	49
1961	16	1,030
1962	24	1,433
1963	13	1,152
1964	9	1,406
1965	10	1,595
1966	7	1,186
1967	11	1,281
1968	5	553
1969	7	971
1970	5	751
1971	10	1,521
1972	5	875
1973	4	806
1974	8	1,501
1975	13	1,696
1976	15	1,902
TOTAL	163	19,708

Source: Civil Aeromedical Institute, Aeromedical Education Branch, Aviation Medical Examiner Section.

Table I.F

ACTIVE AVIATION MEDICAL EXAMINERS
SEMINAR ATTENDANCE BY REGION*
1976

Region	Total AME's	One Seminar	More Than One Seminar	No Participation At Seminars
Eastern	919	286	571	62
Central	639	248	337	54
Southern	1,154	437	619	98
Southwest	874	256	575	43
Western	834	199	601	34
Rocky Mountain	452	148	278	26
Northwest	459	159	262	38
New England	214	81	123	10
Great Lakes	1,190	412	699	79
Alaskan	82	38	36	8
Pacific	47	23	17	7
International	333	68	44	221
TOTAL	7,197	2,355	4,162	680
Percent of Total	100.0	32.7	57.8	9.5

*Training data are obtained from computer listings of non-military aviation medical examiners.

Source: Civil Aeromedical Institute, Aeromedical Education Branch, Aviation Medical Examiner Section; RIS: AC 8520-6, AME Training Summary Report.

Table I.G
REGIONAL ACTIVITIES OF THE
AVIATION MEDICAL EXAMINER PROGRAM*
1976

Region	Number of AME's Designated 1-15-76	New Designations	Separations	Net Gain or Loss	Number of AME's Designated 1-15-77
Eastern	913	68	62	+6	919
Central	611	66	38	+28	639
Southern	1,138	92	76	+16	1,154
Southwest	854	84	64	+20	874
Western	834	72	72	-	834
Rocky Mountain	459	25	32	-7	452
Northwest	447	37	25	+12	459
New England	208	24	18	+6	214
Great Lakes	1,162	124	96	+28	1,190
Alaskan	77	12	7	+5	82
Pacific	51	5	9	-4	47
International	333	27	27	-	333
TOTAL	7,087	636	526	+110	7,197

*Figures are based on U. S. and international aviation medical examiners; does not include military installations.

Source: Civil Aeromedical Institute, Aeromedical Education Branch, Aviation Medical Examiner Section.

Table I.H

AVIATION MEDICAL EXAMINER SUMMARY DATA
1976

A.	Number of Designated U.S. Non-Military Aviation Medical Examiners	6,864
B.	Number of Designated International Aviation Medical Examiners	333
C.	Number of Designated Military Aviation Medical Examiners (Installations)	441
D.	Ratio of U.S. Non-Military Aviation Medical Examiners to U.S. Civil Airmen	1:99
E.	Percentage of Non-Military Aviation Medical Examiners Who Are Qualified Pilots	47.8%*
F.	Percentage of Aviation Medical Examiners Who Were Military Flight Surgeons	16%*
G.	Percentage of Non-Military Aviation Medical Examiners Who Participate in Accident Investigation	78.6%*
H.	Percentage of Non-Military Aviation Medical Examiners Who Have Attended One Seminar	32.7%
I.	Percentage of Non-Military Aviation Medical Examiners Who Have Attended More Than One Seminar	57.8%
J.	Percentage of Non-Military Aviation Medical Examiners Who Have Not Attended a Seminar	9.5%
K.	Total Number of Seminars Conducted in 1976	15
L.	Total Attendance of Aviation Medical Examiners at Seminars Conducted in 1976	1,902

*An aviation medical examiner may have been classified in more than one of these categories.

Source: Civil Aeromedical Institute, Aeromedical Education Branch, Aviation Medical Examiner Section.

SECTION II

CERTIFICATION ACTIVITY

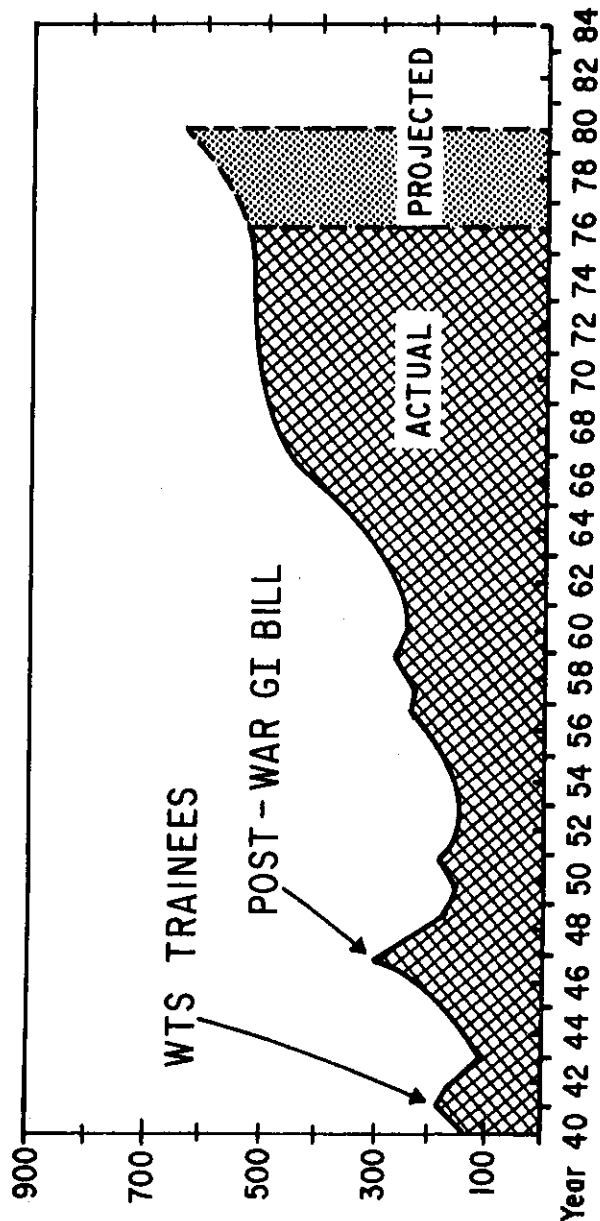
The Aeromedical Certification Branch is the central screening facility and repository within the Federal Aviation Administration for collection, investigation, adjudication, and analysis of medical data.

Activities of the Aeromedical Certification Branch are presented in this section. Data are presented by calendar year and reflect workload in the certification area.

Figure II.A

AIRMEN APPLICATIONS FOR MEDICAL CERTIFICATION

1940-1976 Projected to 1980 *



		CALENDAR YEAR																
Year	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951	1952	1953	1954			
Applications	134.4	172.2	161.6	102.7	113.8	154.6	202.1	289.6	233.4	162.5	144.0	157.4	145.7	133.5	160.6			
Percentage*	+83.5	+28.2	-6.2	-36.4	+10.8	+35.8	+30.7	+43.3	-19.4	-30.4	-11.4	+9.4	-7.4	-8.4	+20.3			
Year	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969			
Applications	168.6	181.7	229.6	217.9	255.6	237.5	237.3	254.1	271.8	294.7	330.6	387.5	427.6	465.9	487.7			
Percentage*	+5.0	+7.8	+26.3	-5.1	+17.3	-7.1	-0.1	+7.1	+6.9	+8.5	+12.2	+17.2	+10.3	+9.0	+2.7			
Year	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984			
Applications	487.7	493.1	494.7	521.7	515.4	519.2	542.1	563.8	586.4	609.9	634.3							
Percentage*	+1.9	+1.1	+0.3	+5.5	-1.2	+0.7	+4.4	+4.0	+4.0	+4.0	+4.0							

*Percentage of increase or decrease over previous year. Projected receipts based on 4% increase each calendar year.

Source: Civil Aeromedical Institute, Aeromedical Certification Branch, Medical Statistical Section.

Table II.B
RECEIPTS OF MEDICAL CERTIFICATE
APPLICATIONS BY CLASS*
1960-1976

Calendar Year	Total	First Class	Percent Of		Second Class	Percent Of		Third Class	Percent Of	
			Total	Total		Total	Total		Total	Total
1960	237,509	33,964	14.3	84,715	35.7	118,830	50.0			
1961	237,311	33,936	14.3	84,644	35.7	118,731	50.0			
1962	254,142	36,342	14.3	90,647	35.7	127,153	50.0			
1963	271,764	38,862	14.3	96,933	35.7	135,969	50.0			
1964	294,734	42,147	14.3	105,126	35.7	147,461	50.0			
1965	330,617	52,006	15.7	109,600	33.2	169,011	51.1			
1966	387,537	73,903	19.1	124,593	32.1	189,041	48.8			
1967	427,596	80,474	18.8	143,458	33.6	203,664	47.6			
1968	465,929	87,408	18.8	173,139	37.2	205,382	44.0			
1969	478,700	90,666	18.9	178,699	37.3	209,335	43.8			
1970	487,700	94,419	19.4	189,276	38.8	204,005	41.8			
1971	493,145	91,478	18.5	204,853	41.5	196,814	40.0			
1972	494,700	86,573	17.5	205,597	41.6	202,530	40.9			
1973	521,700	93,384	17.9	220,679	42.3	207,637	39.8			
1974	515,400	91,741	17.8	214,922	41.7	208,737	40.5			
1975	519,200	91,379	17.6	224,814	43.3	203,007	39.1			
1976	542,159	93,793	17.3	230,418	42.5	217,948	40.2			

*Class distributions for 1960 through 1964 were compiled by applying percentages based on the 1964 computer count to actual applications received per year. The 1965 class distributions were achieved by applying percentages based on card counts of applications performed during 1965 to the total receipts for the year. Class distributions for 1966 through 1976 were based on percentages compiled from the Record of Physical Examinations Computer Submission Summary, AC 8500-3.

Source: Civil Aeromedical Institute, Aeromedical Certification Branch, Medical Statistical Section; RIS: AC 8500-3, Record of Physical Examinations Computer Submission Summary Report.

Table II.C

MEDICAL APPLICATIONS PROCESSING BY THE
AEROMEDICAL CERTIFICATION BRANCH
1976

Month	Applications Coded for		Applications Screened by Computer*	Applications Requiring Manual Review**	Applications Intra-Agency Transmitted***
	Received	Screening			
January	37,300	32,900	44,740	21,098	306
February	40,222	39,122	38,721	18,512	204
March	49,821	51,321	50,523	24,182	314
April	44,755	48,755	47,956	22,907	272
May	42,774	40,274	46,359	21,829	340
June	55,378	50,778	44,067	20,277	310
SUBTOTAL	270,250	263,150	272,366	128,805	1,746
July	47,069	49,765	48,425	22,728	250
August	49,775	46,675	48,048	22,476	306
September	43,743	45,543	46,258	21,247	288
October	40,403	43,403	34,851	16,344	223
November	44,072	44,772	51,021	23,508	254
December	46,847	39,547	40,900	18,731	239
SUBTOTAL	271,909	269,705	269,503	125,034	1,560
TOTAL	542,159	532,855	541,869	253,839	3,306

*Figures reflect the number of submissions to the computer rather than the number of applications because an application may have to be submitted to the computer more than once before it is accepted.

**Total applications rejected for any reason; 46.8% of applications screened by computer.

***Figures include applications transmitted to the regions and to the Federal Air Surgeon for certification or review. Represents 0.6% of the applications received.

Source: Civil Aeromedical Institute, Aeromedical Certification Branch, Medical Statistical Section; RIS: AC 8065-3, Aeromedical Certification Processing Summary.

AEROMEDICAL CERTIFICATION BRANCH
CORRESPONDENCE SECTION ACTIVITY

1976

<u>Activity</u>	<u>Frequency</u>	<u>Subtotal</u>	<u>Percent of Total</u>
<u>Certification</u>			
Issued, Corrected or Duplicate Certificates	10,200		
Eligibility Letters	30,866		
Issued or Duplicate Waivers	12,954		
<u>Further Action Necessary</u>		54,020	51.1
Information Requested	26,735		
Medical Flight Test Authorization	6,388		
Case Summary for the Federal Air Surgeon	796		
<u>Information Requested From The Branch</u>		33,919	32.1
Telegram Replies to Airmen/Agency Offices	449		
Replies to Insurance Companies	88		
<u>Denial Letters</u>		537	0.5
Mandatory Denials	548		
Other Denials	5,227		
<u>Miscellaneous Correspondence*</u>		5,775	5.5
TOTAL	11,430	11,430	10.8
		105,681	100.0

*Includes refund letters, charge letters, second request letters, requests for return of medical certificate, replies to airmen and physicians inquiries, and other miscellaneous letters.

Source: Civil Aeromedical Institute, Aeromedical Certification Branch, Correspondence Section; RIS: AC 8065-3, Aeromedical Certification Processing Summary.

Table II.E

AEROMEDICAL CERTIFICATION BRANCH COMPUTER TAPE FILE SUMMARY
As of: December 31, 1976

Action	Time Lapse Since Date of Last Examination					Total
	<7 Month	<13 Month	<25 Month	Subtotal	25-36 Month	Over 36 Month
<u>Certified</u>						
First Class	45,569	24,216	10,013	79,798	5,332	N/A
Second Class	101,033	105,952	100,379	307,364	50,946	N/A
Third Class	110,857	92,945	189,444	393,246	101,678	N/A
SUBTOTAL	257,459	223,113	299,836	780,408	157,956	N/A
<u>Non-Certified</u>						
Pending	1,316	480	259	2,055	22	N/A
Denied	2,672	2,807	6,314	11,793	8,344	N/A
SUBTOTAL	3,988	3,287	6,573	13,848	8,366	N/A
<u>Link*</u>	N/A	N/A	N/A	N/A	N/A	N/A
TOTAL	261,447	226,400	306,409	794,256	166,322	225,119
EFFECTIVE STATUS TOTAL:	CLASS 1 = 45,569	CLASS 2 = 231,201	CLASS 3 = 503,638			

*Abbreviated records maintained on individuals having significant pathology who have not had a physical examination in the past 36 months. These people may or may not have been certified.

Source: Civil Aeromedical Institute, Aeromedical Certification Branch, Medical Statistical Section.

Table II.F

MEDICAL CERTIFICATION ACTIVITY SUMMARY
1974-1976

Activity	CY 1976	CY 1975	CY 1974
Applications for Medical Certification	542,159	519,200	515,400
New Applications for First Class Medical Certificates*	---	1,461	1,289
New Applications for Second Class Medical Certificates*	---	16,291	16,161
New Applications for Third Class Medical Certificates*	---	71,201	64,057
First Class Combined Student/Medical Certificates	2,799	2,521	2,634
Second Class Combined Student/Medical Certificates	20,575	20,350	23,013
Third Class Combined Student/Medical Certificates	202,452	190,642	193,542
Electrocardiograms Received for First Class Pilots	32,831	32,867	31,869
Incoming Correspondence**	80,292	89,175	83,261
Outgoing Correspondence	105,681	114,172	110,427
Applications Containing Medical or Clerical Problems	253,839	250,794	222,660
Number of Abnormalities Detected in Electrocardiograms	4,283	4,627	3,292
Number of First Class Active Airmen with Pathology Records	15,614	15,114	14,269
Number of Second Class Active Airmen with Pathology Records	63,617	61,538	58,415
Number of Third Class Active Airmen with Pathology Records	62,252	59,968	57,741

*An application receipt is considered a "new application" if the airman has made no indication of previous FAA physical examination and if total flying time equals last six months flying time. Of examinations performed in 1975, 2,129 or 2.4% new applications were denied, 171 or 0.2% were pending, and 86,653 or 97.4% were issued for a total of 88,953 new applications.

Table II.F (Continued)

MEDICAL CERTIFICATION ACTIVITY SUMMARY

1974-1976

The "Record of Physical Examinations Computer Submissions Summary Report", AC 8500-3, was modified during 1969 to reflect the final certification action for each application performed during the previous year. The report is produced in August of each year and reflects data for the previous year.

**Includes information requested by the Aeromedical Certification Branch and inquiries from airmen or regional offices.

Source: Civil Aeromedical Institute, Aeromedical Certification Branch, Medical Statistical Section; RIS: AC 8500-1, 8500-3, and 8065-3.

SECTION III

REFERRALS AND DENIALS

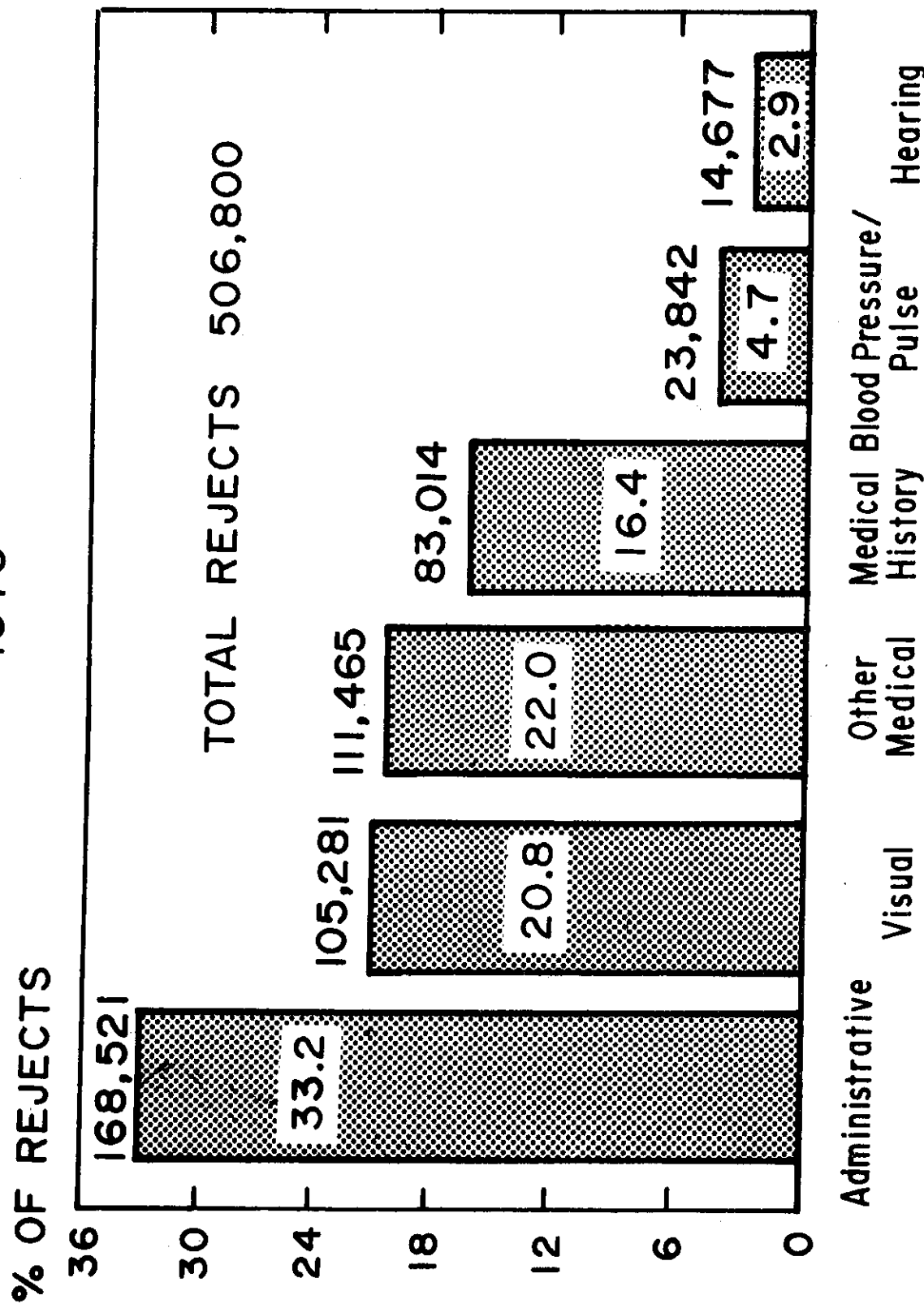
This section is concerned with those applications for medical certification which require manual review and those applications denied medical certification.

These data are presented by calendar year and reflect the number of rejects, either medical or administrative, generated when the application enters the automated system. Also included are data reflecting the number of cases considered at the appellate levels, by the Federal Air Surgeon or the Federal Aviation Administration.

Figure III.A

DISTRIBUTION OF CAUSES FOR REVIEW BY MAJOR CATEGORY

1976



Source: Civil Aeromedical Institute, Aeromedical Certification Branch, Medical Statistical Section; Ris: AC 8500-3, Aeromedical Certification Processing Summary.

TABLE III.B

DISTRIBUTION OF CAUSES OF REVIEW BY MAJOR AND MINOR CATEGORIES

1976				
Reject	Major Category	Minor		
	Totals	Percent	Categories	Percent
<u>Administrative</u>	168,521	33.2		
First Class by Military		180		0.04
Matches Link Record		6,005		1.18
Special Case		1,954		0.38
Previous Pending		7,610		1.60
Clerical Reject		13,381		2.64
Class Issued Higher Than Applied For		2,041		0.40
First Class Over 60 Years of Age		1,010		0.20
Coded Previous Waiver		14,706		2.90
Re-Submit Exam to Computer		3,010		0.59
Date of ECG for First Class Exams		5,392		1.06
State Code/Zip Code		62		0.01
Date of Examination		29		0.00+
No Match Between New and Previous Exams		21,421		4.23
Follow-Up Material Requested		3,944		0.78
Discrepancy in Pathology Data		15,052		2.97
Discrepancy in Social Security Number		22,776		4.49
Other*		49,948		9.85
<u>Visual</u>	105,281	20.8		
Distant Vision		37,844		7.47
Near Vision		22,732		4.48
Intraocular Tension		6,657		1.31
Field of Vision		5,263		1.04
Color Vision		7,813		1.54
Variation in Distant Vision		16,617		3.28
Esophoria and Exophoria		6,404		1.26
Right or Left Hyperphoria		1,951		0.38
<u>Other Medical Conditions</u>	111,465	22.0		
Denied or Pending		17,267		3.41
Urinalysis		6,978		1.38
Pathology Codes		30,925		6.10
Abnormalities (Items 25-48)		18,689		3.69
Medication		37,606		7.42
<u>Medical History</u>	83,014	16.4		
Previous Denial Indicated		9,103		1.80
Medical History		70,908		13.99
Previous Exam on Tape Denied		1,926		0.38
Previous Exemption Case		688		0.13
New Exemption Case		389		0.08
<u>Blood Pressure/Pulse</u>	23,842	4.7		
Blood Pressure		5,931		1.17
Pulse		17,911		3.53
<u>Hearing</u>	14,677	2.9		
Hearing		14,677		2.90
TOTAL REJECT CARDS	506,800	100.0		

*Rejects resulting from validity checks against established edit criteria for data elements contained on the medical examination other than those listed.

Source: Civil Aeromedical Institute, Aeromedical Certification Branch, Medical Statistical Section; RIS: AC 8065-3, Aeromedical Certification Processing Summary.

Table III.C
 APPEALS CONSIDERED BY
 THE FEDERAL AIR SURGEON
 1961 - 1976

Year	Certified	Denied	Total
1961*	70	204	274
1962	189	372	561
1963	147	472	619
1964	149	711	860
1965	242	661	903
1966	119	344	463
1967**	95	234	329
1968**	106	273	379
1969**	140	273	413
1970**	172	372	544
1971**	140	379	519
1972**	197	480	677
1973**	259	521	780
1974**	349	565	914
1975**	421	738	1,159
1976**	309	591	900
TOTAL	3,104	7,190	10,294

*Incomplete figures for January through March 1961.

**Figures for 1967 - 1976 include only reconsideration actions. They do not include opinions and/or other decisions rendered by the Federal Air Surgeon (cases reviewed and eventually referred to other offices for appropriate action).

Source: Office of Aviation Medicine, Aeromedical Standards Division, Appeals Branch.

Table III.D

RECONSIDERATION ACTIONS BY THE
FEDERAL AIR SURGEON*
1976

Pathology	First Class	Second Class	Third Class	Modifications	Total
<u>Issued</u>					
Eye	3	7	13	-	23
Ear, Nose, Throat	2	-	4	-	6
Respiratory	-	-	10	-	10
Cardiovascular	13	11	49	3	76
Abdominal	3	6	15	-	24
Neurologic	8	18	44	3	73
Psychiatric	6	12	35	1	54
Bone/Joint	2	1	3	1	7
Muscles	-	-	1	-	1
Miscellaneous	4	8	23	-	35
TOTAL ISSUANCES	41	63	197	8	309
<u>Denied</u>					
Eye	1	12	50	-	63
Ear, Nose, Throat	4	2	1	-	7
Respiratory	-	9	23	-	32
Cardiovascular	26	52	143	6	227
Abdominal	1	2	15	1	19
Neurologic	20	29	71	1	121
Psychiatric	12	25	56	1	94
Bone/Joint	1	-	2	-	3
Muscles	-	-	1	-	1
Miscellaneous	2	2	3	-	7
SUBTOTAL	67	133	365	9	574
Denials for Failure to Provide Additional Information (67.31)	3	6	8	-	17
TOTAL DENIALS	70	139	373	9	591

*Figures include only reconsideration actions. They do not include opinions and/or other decisions rendered by the Federal Air Surgeon (cases reviewed and eventually referred to other offices for appropriate action).

Source: Office of Aviation Medicine, Aeromedical Standards Division, Appeals Branch.

Table III.E

RECONSIDERATION ACTIONS BY THE
FEDERAL AIR SURGEON*
1963 - 1976

Pathology Issued	First Class	Second Class	Third Class	Modifications	Total
Eye	87	165	248	2	502
Ear, Nose, Throat	11	10	33	2	56
Respiratory	4	11	51	-	66
Cardiovascular	136	173	452	16	777
Abdominal	16	36	105	2	159
Neuropsychiatric	131	230	638	23	1,022
Bone/Joint	6	7	33	1	47
Muscles	-	1	6	-	7
Miscellaneous	22	53	129	5	209
TOTAL	413	686	1,695	51	2,845
Denied					
Eye	87	269	439	2	797
Ear, Nose, Throat	19	14	20	-	53
Respiratory	11	33	133	-	177
Cardiovascular	295	614	1,663	20	2,592
Abdominal	30	65	196	3	294
Neuropsychiatric	281	551	1,279	9	2,120
Bone/Joint	11	9	36	-	56
Muscles	2	4	12	-	18
Miscellaneous	46	85	269	6	406
SUBTOTAL	782	1,644	4,047	40	6,513
Denials for Failure to Provide Additional Information (67.31)	11	37	53	-	101
TOTAL DENIALS	793	1,681	4,100	40	6,614

*Figures include only reconsideration actions. They do not include opinions and/or other decisions rendered by the Federal Air Surgeon (cases reviewed and eventually referred to other offices for appropriate action).

Source: Office of Aviation Medicine, Aeromedical Standards Division, Appeals Branch.

Table III.F

PETITIONS GRANTED OR DENIED
BY THE FAA*
1976

Pathology Granted	First Class	Second Class	Third Class	**Modifications	Total
Eye	-	-	13	-	13
Ear, Nose, Throat	-	1	-	-	1
Respiratory	-	-	1	1	2
Cardiovascular	5	18	109	17	149
Abdominal	1	-	4	-	5
Neuropsychiatric	32	20	87	10	149
Bone/Joint	-	-	-	-	-
Muscles	-	-	-	-	-
Miscellaneous	2	1	-	-	3
TOTAL GRANTS	40	40	214	28	322
<u>Denied</u>					
Eye	1	2	11	1	15
Ear, Nose, Throat	-	-	-	-	-
Respiratory	-	2	5	-	7
Cardiovascular	22	65	186	23	296
Abdominal	-	-	-	-	-
Neuropsychiatric	14	28	65	2	109
Bone/Joint	-	-	-	-	-
Muscles	-	-	-	-	-
Miscellaneous	-	-	6	1	7
SUBTOTAL	37	97	273	27	434
**Denials for Failure to Provide Additional Information (67.31)	11	45	146	-	202
TOTAL DENIALS	48	142	419	27	636

*Counts are based on number of petitions considered rather than the number of airmen petitioning. Airmen now petition the FAA rather than the Administrator and all petitions are granted or denied by AAM-1.

**Count implemented in 1975.

Source: Office of Aviation Medicine, Aeromedical Standards Division, Appeals Branch.

Table III.G

PETITIONS GRANTED OR DENIED
BY THE FAA*
1961- 1976

Pathology	First Class	Second Class	Third Class	**Modifications	Total
<u>Granted</u>					
Eye	11	27	73	-	111
Ear, Nose, Throat	1	2	1	-	4
Respiratory	-	1	10	1	12
Cardiovascular	35	161	1,018	38	1,252
Abdominal	3	1	20	1	25
Neuropsychiatric	64	104	437	21	626
Bone/Joint	1	1	3	-	5
Muscles	-	-	-	-	-
Miscellaneous	2	6	11	-	19
TOTAL GRANTS	117	303	1,573	61	2,054
<u>Denied</u>					
Eye	11	72	79	2	164
Ear, Nose, Throat	-	2	2	-	4
Respiratory	3	6	30	-	39
Cardiovascular	296	586	1,648	48	2,578
Abdominal	5	12	41	-	58
Neuropsychiatric	137	294	716	7	1,154
Bone/Joint	1	5	10	-	16
Muscles	-	-	2	-	2
Miscellaneous	11	21	117	2	151
SUBTOTAL	464	998	2,645	59	4,166
**Denials for Failure to Provide Additional Information (67.31)	16	66	242	-	324
TOTAL DENIALS	480	1,064	2,887	59	4,490

*Counts are based on number of petitions considered rather than number of airmen petitioning. Airmen now petition the FAA rather than the Administrator and all petitions are granted or denied by AAM-1.

**Count implemented in 1975, does not include 1961-1974.

Source: Office of Aviation Medicine, Aeromedical Standards Division, Appeals Branch.

Table III.H

STATUS OF AIRMEN WHO HAVE BEEN
GRANTED EXEMPTIONS
1961-1976

Status Of Airmen	Percent	Number Of Airmen
Airmen Granted Exemptions*	100.0	1,883
Currently Active Airmen	42.2	795
Deceased	3.0	56
Grants Terminated:		
Adverse Change in Condition	10.3	193
No Longer Abide By Grants (Issued Under FAR 67.19)	2.4	46
For Various Personal Reasons Have Not Validated Their Grants	42.1	793

*Although airmen may have been granted more than one exemption, they have only been counted once. There are approximately 100 airmen who have been granted two or more exemptions (upgraded their grants).

Source: Civil Aeromedical Institute, Aeromedical Certification Branch; and, Office of Aviation Medicine, Aeromedical Standards Division, Appeals Branch.

SECTION IV

GENERAL AIRMAN POPULATION DATA

This section reflects general data concerning the active airman population. The data presented are as of December 31, 1976, and cover the preceding 25 months. The 25 month time period was used to describe the active airman population because a medically certified airman is considered "active" for a maximum of 25 months after his last FAA physical examination, i.e., regardless of the class of medical certificate issued, it is valid for third class purposes for a period of time up to 25 months. Those airmen who have allowed their medical certification to lapse into a time period greater than 25 months would be considered "inactive" airmen.

Data are presented by class of medical certificate issued and do not include applications pending or denied. Table IV.A presents data by "effective status" of medical certification. This refers to the time lapse since the certificate was issued as opposed to the class issued. Present FAA regulations stipulate that air transport pilots must be first class medically certified at six month intervals, commercial pilots must be second class medically certified annually, and general aviation airmen must obtain third class medical certification every two years. Thus, an airman may be first or second class medically certified and the time lapse since examination would reduce the "effective status" to a lesser class.

Table IV.A
REGIONAL DISTRIBUTION OF ACTIVE AIRMEN BY CLASS OF CERTIFICATE AND EFFECTIVE STATUS*
As Of: December 31, 1976

Region	First Class			Second Class			Third Class			Total Active Airmen		
	Effective			Effective			Effective			Effective		
	Total	Status (Class)**	1	Total	Status (Class)**	2	Total	Status (Class)**	3	Total	Percent Of Total Airmen	Status (Class)**
Eastern	11,286	6,523	3,357	1,406	20,470	10,192	51,327	51,327	12.0	93,275	6.523	23,827
Central	2,957	1,783	843	331	14,351	9,750	29,364	29,364	6.0	46,672	1,783	10,593
Southern	13,526	7,883	3,975	1,668	24,217	11,799	50,461	50,461	12.8	100,003	7,883	28,192
Southwest	8,652	4,958	2,804	890	20,908	9,582	42,536	42,536	10.5	81,678	4,958	23,712
Western	15,536	9,024	4,567	1,945	25,236	13,010	61,979	61,979	14.8	115,761	9,024	29,803
Rocky Mountain	3,128	1,807	962	359	8,179	3,793	18,685	18,685	4.3	33,785	1,807	9,141
Northwest	3,567	1,956	1,158	453	9,160	4,632	20,411	20,411	4.8	37,770	1,956	10,318
New England	4,513	2,787	1,247	479	9,981	6,664	3,317	15,556	3.8	30,050	2,787	7,911
Great Lakes	10,491	5,819	3,496	1,176	40,800	27,325	13,475	77,146	16.5	128,437	5,819	30,821
Alaskan	913	441	340	132	3,557	2,489	1,068	4,750	1.2	9,220	441	2,829
Pacific	517	280	177	60	1,043	760	283	761	0.3	2,321	280	937
U. S. TOTAL	75,086	43,261	22,926	8,899	230,910	155,158	75,752	372,976	87.0	678,972	43,261	178,084
Military***	42	24	11	7	72,838	49,358	23,480	16,262	11.4	89,142	24	49,369
Foreign	4,670	2,284	1,279	1,107	3,616	2,469	1,147	4,008	1.6	12,294	2,284	3,748
TOTAL	79,798	45,569	24,216	10,013	307,364	206,985	100,379	393,246	100.0	780,408	45,569	231,201
Percent of Total Certified Airmen	(10.2)				(39.4)			(50.4)		(100.0)		

*Figures are based on a 25-month summary from the computer tape files; only certified airmen are included.

**Refers to the time lapse since the certificate was issued as opposed to the class issued. Present FAA regulations stipulate that air transport pilots must be first class medically certified at six-month intervals, commercial pilots must be second class medically certified annually, and general aviation airmen must obtain third class medical certification every two years. Thus, an airman may be first or second class medically certified and the time lapse since examination would reduce the "effective status" to a lesser class.

***Military airmen were tabulated on the basis of the physical examination being performed by a military aviation medical examiner.

Source: Civil Aeromedical Institute, Aeromedical Certification Branch, Medical Statistical Section; RIS: AC 8065-4, Examination Time Period Summary.

Table IV.B

ACTIVE AIRMEN'S STATE OF RESIDENCE
BY SEX AND CLASS OF CERTIFICATE ISSUED*
As Of: December 31, 1976

State	First Class		Second Class		Third Class		Total Airmen	
	Male	Female	Male	Female	Male	Female	Male	Female
Alabama	419	4	2,966	69	3,897	310	7,282	383
Alaska	902	14	3,375	181	4,173	590	8,450	785
Arizona	951	8	4,093	141	6,194	770	11,238	919
Arkansas	231	3	2,412	64	3,265	241	5,908	308
California	13,711	150	31,069	1,267	47,122	5,599	91,902	7,016
Colorado	2,267	26	5,236	175	6,118	680	13,621	881
Connecticut	1,931	10	2,645	82	3,696	379	8,272	471
Delaware	207	-	558	8	695	66	1,460	74
District of Columbia	72	1	232	25	322	47	626	73
Florida	6,825	67	13,432	453	16,610	1,990	36,867	2,510
Georgia	3,320	17	4,714	136	6,097	518	14,131	671
Hawaii	517	4	995	52	667	102	2,179	158
Idaho	249	3	1,524	35	2,803	228	4,576	266
Illinois	3,768	37	9,179	322	17,450	1,467	30,397	1,826
Indiana	828	11	4,737	154	8,841	658	14,406	823
Iowa	320	2	3,035	66	7,046	522	10,401	590
Kansas	946	9	4,008	128	7,342	730	12,296	867
Kentucky	272	8	1,971	37	3,234	242	5,477	287
Louisiana	873	8	3,909	95	3,707	322	8,489	425
Maine	191	-	982	29	1,790	135	2,963	164
Maryland	890	8	2,796	115	4,573	457	8,259	580
Massachusetts	1,353	19	3,847	141	5,957	645	11,157	805
Michigan	1,339	18	7,213	225	13,443	1,063	21,995	1,306
Minnesota	2,039	12	5,209	154	8,743	756	15,991	922
Mississippi	253	1	2,078	42	2,497	190	4,828	233
Missouri	1,438	6	4,655	127	8,211	751	14,304	884
Montana	192	2	1,748	46	2,898	272	4,838	320
Nebraska	238	2	2,300	60	4,488	362	7,026	424
Nevada	716	6	1,599	48	2,027	263	4,342	317
New Hampshire	754	5	1,313	30	1,227	124	3,294	159
New Jersey	2,858	17	4,482	162	7,850	653	15,190	832

Table IV.B (Continued)

ACTIVE AIRMEN'S STATE OF RESIDENCE
BY SEX AND CLASS OF CERTIFICATE ISSUED*
As of: December 31, 1976

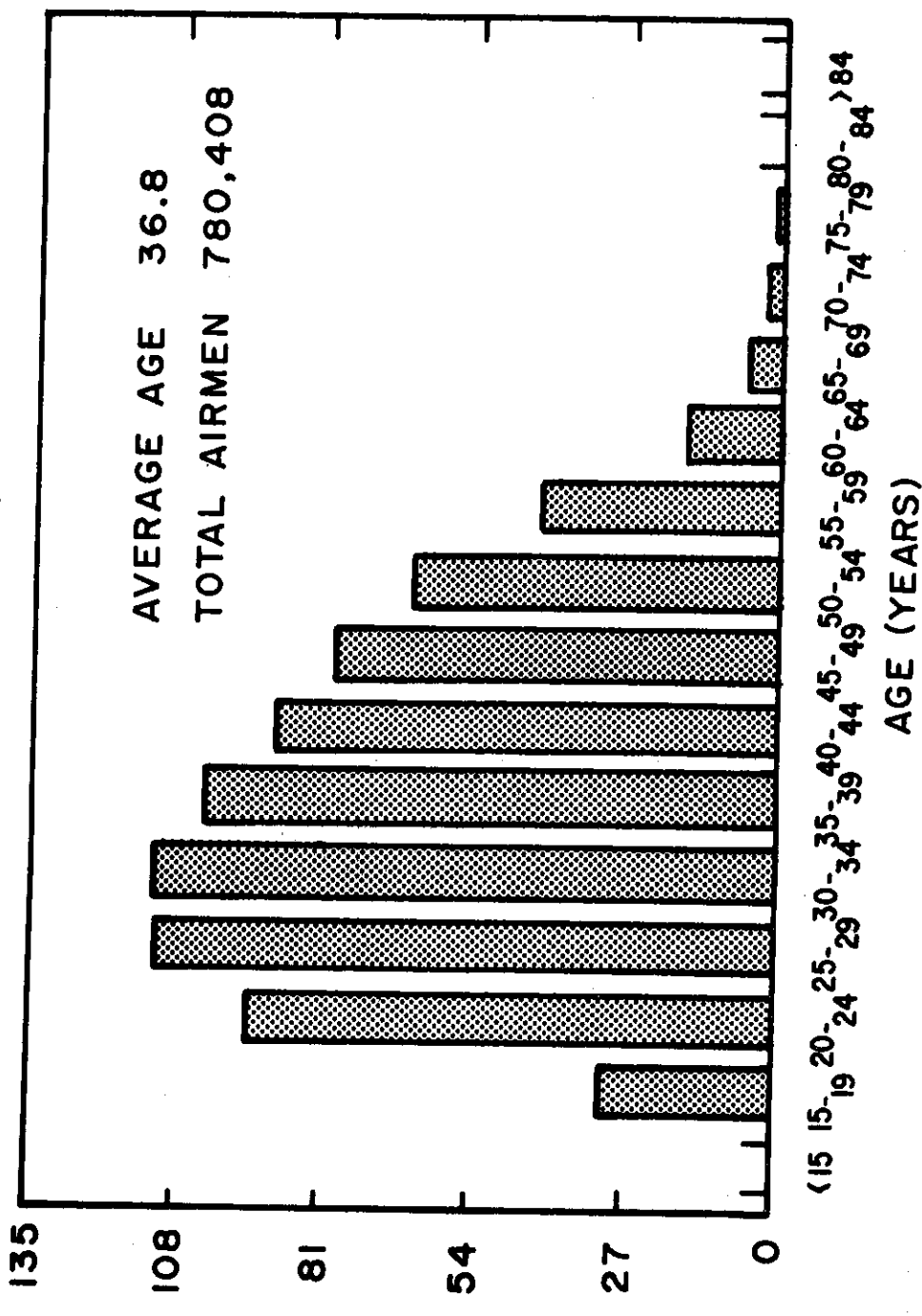
State	First Class		Second Class		Third Class		Total Airmen	
	Male	Female	Male	Female	Male	Female	Male	Female
New Mexico	262	4	2,026	82	2,766	333	5,054	419
New York	3,021	20	9,557	289	15,013	1,436	27,591	1,745
North Carolina	873	6	3,926	84	5,885	465	10,684	555
North Dakota	76	-	1,165	25	2,112	152	3,353	177
Ohio	1,556	17	9,449	312	15,603	1,491	26,608	1,820
Oklahoma	788	12	4,449	153	6,751	662	11,988	827
Oregon	525	5	4,505	133	6,622	702	11,652	840
Pennsylvania	2,105	20	6,472	194	11,740	969	20,317	1,183
Rhode Island	141	1	415	16	738	72	1,294	89
South Carolina	352	6	1,928	38	2,665	200	4,945	244
South Dakota	80	-	1,008	12	2,127	143	3,215	155
Tennessee	1,097	10	3,838	136	5,266	449	10,201	595
Texas	6,406	39	16,742	450	22,324	2,096	45,472	2,585
Utah	370	3	1,762	42	2,552	196	4,684	241
Vermont	114	1	434	13	746	85	1,294	99
Virginia	1,824	17	4,528	146	5,296	524	11,648	687
Washington	2,778	20	7,324	252	9,022	1,063	19,124	1,335
West Virginia	174	-	888	18	1,591	113	2,653	131
Wisconsin	863	7	3,778	98	7,139	594	11,780	699
Wyoming	116	-	757	19	1,383	114	2,256	133
U. S. CIVILIAN								
TOTAL	74,391	666	223,263	7,181	340,324	32,991	637,928	40,838
Military and NASA	316	3	71,912	1,953	15,885	1,019	88,113	2,975
International	4,401	21	2,992	63	2,796	231	10,189	315
TOTAL AIRMEN	79,108	690	298,167	9,197	359,005	34,241	736,280	44,128

*Totals are based on active airmen certified within the past 25 months.

Source: Civil Aeromedical Institute, Aeromedical Certification Branch, Medical Statistical Section; RIS: AC 8500-1, Aeromedical Certification Statistical Handbook Computer Run.

Figure IV.C

AGE DISTRIBUTION OF MEDICALLY CERTIFIED AIRMEN As Of: December 31, 1976

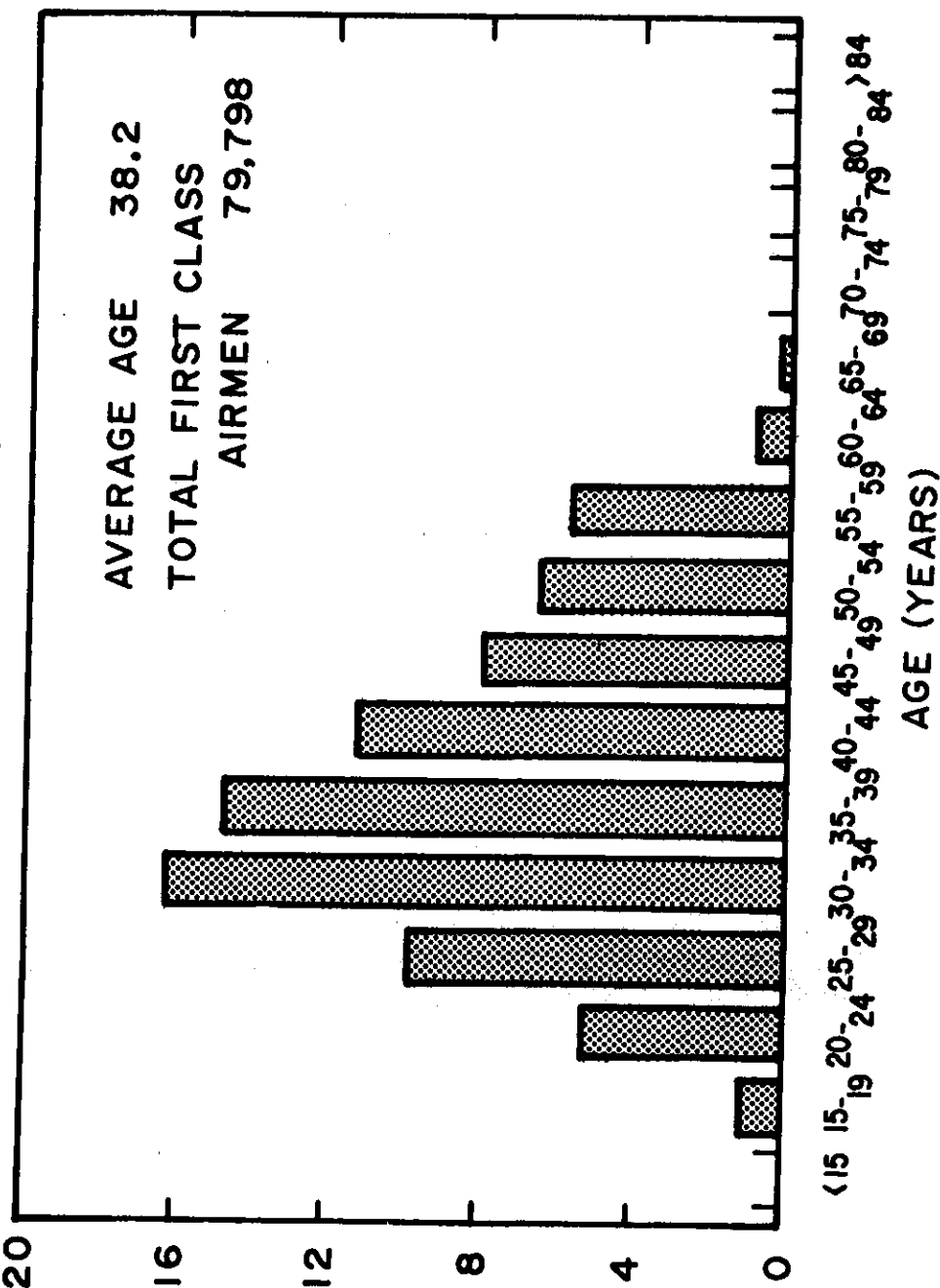


*Brackets are indicative of age class intervals wherein magnitudes are not apparent on this scale. In such instances, the accompanying table (Table IV.C) should be consulted for frequencies.

Source: Civil Aeromedical Institute, Aeromedical Certification Branch, Medical Statistical Section; RIS: AC 8500-1, Aeromedical Certification Statistical Handbook Computer Run.

Figure IV.D

AGE DISTRIBUTION OF MEDICALLY CERTIFIED FIRST CLASS AIRMEN AIRMEN (000) As Of: December 31, 1976

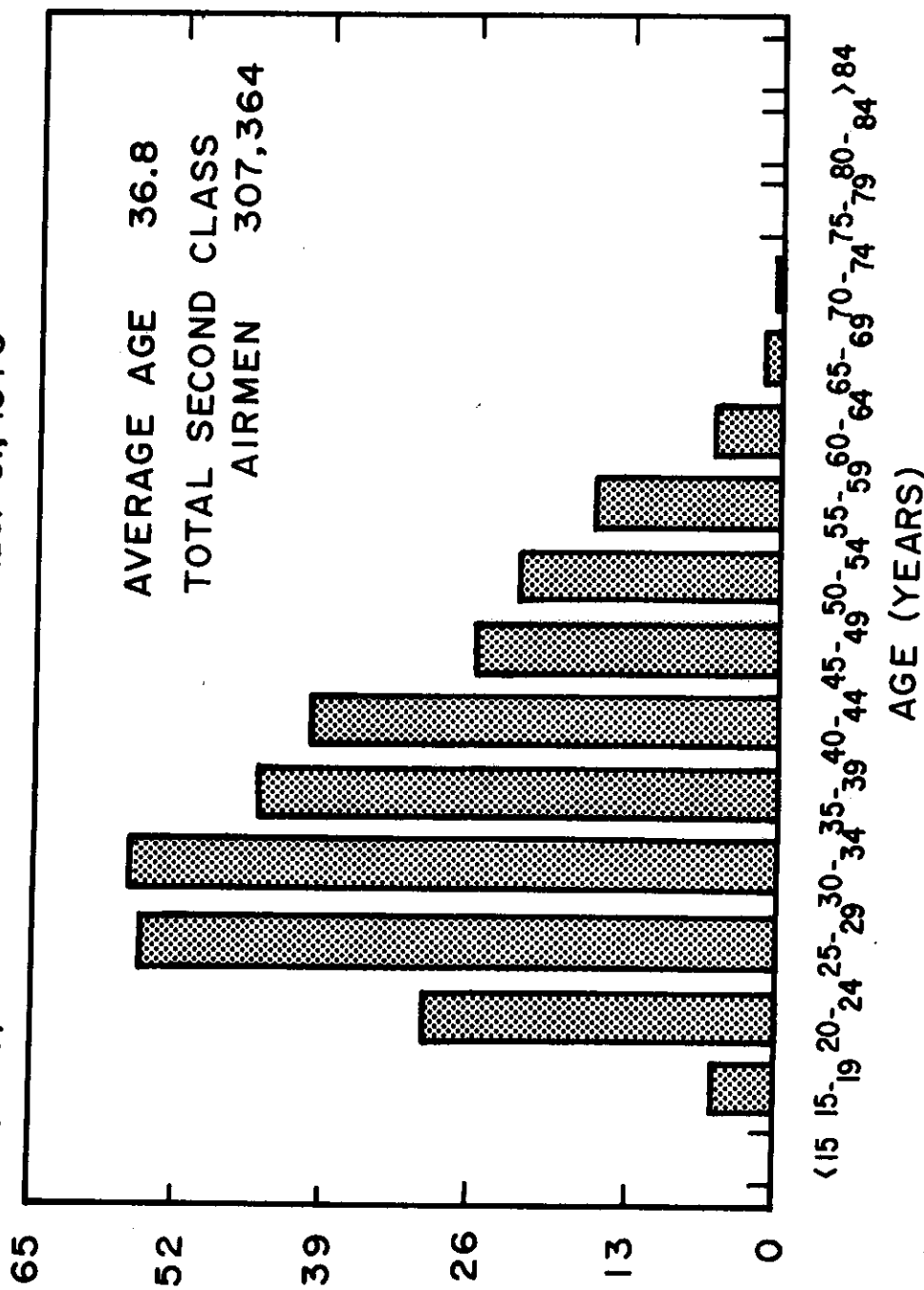


*Brackets are indicative of age class intervals wherein magnitudes are not apparent on this scale. In such instances, the accompanying table (Table IV.G) should be consulted for frequencies.

Source: Civil Aeromedical Institute, Aeromedical Certification Branch, Medical Statistical Section; RIS: AC 8500-1, Aeromedical Certification Statistical Handbook Computer Run.

Figure IV.E

AGE DISTRIBUTION OF MEDICALLY CERTIFIED SECOND CLASS AIRMEN AIRMEN (000) As Of: December 31, 1976

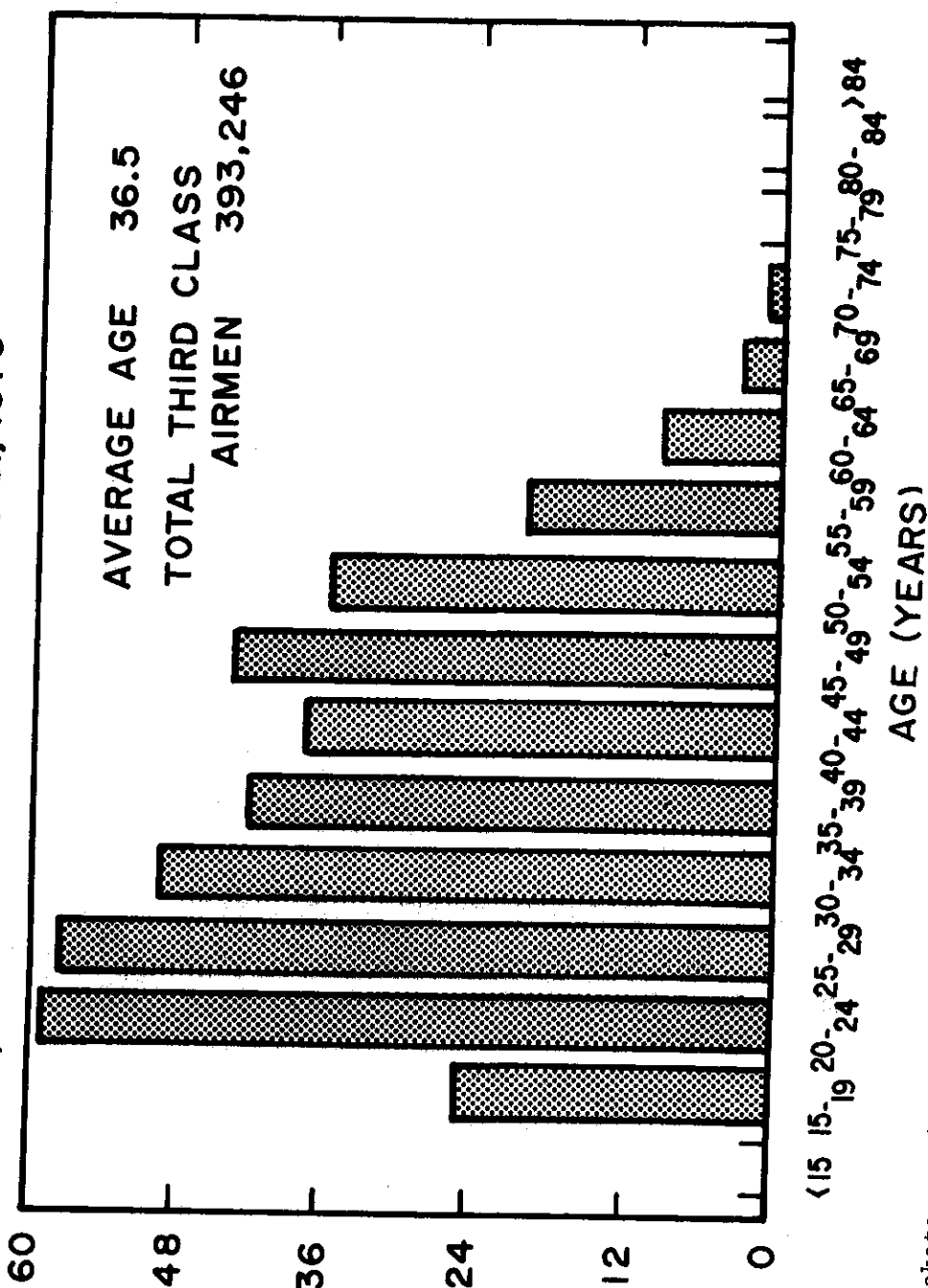


*Brackets are indicative of age class intervals wherein magnitudes are not apparent on this scale. In such instances, the accompanying table (Table IV.G) should be consulted for frequencies.

Source: Civil Aeromedical Institute, Aeromedical Certification Branch, Medical Statistical Section; RIS: AC 8500-1, Aeromedical Certification Statistical Handbook Computer Run.

Figure IV.F

AGE DISTRIBUTION OF MEDICALLY CERTIFIED THIRD CLASS AIRMEN As Of: December 31, 1976



*Brackets are indicative of age class intervals wherein magnitudes are not apparent on this scale. In such instances, the accompanying table (Table IV.G) should be consulted for frequencies.

Source: Civil Aeromedical Institute, Aeromedical Certification Branch, Medical Statistical Section; RIS: AC 8500-1, Aeromedical Certification Statistical Handbook Computer Run.

Table IV.G

AGE DISTRIBUTION OF ACTIVE AIRMEN
BY CLASS AND SEX*
As of: December 31, 1976

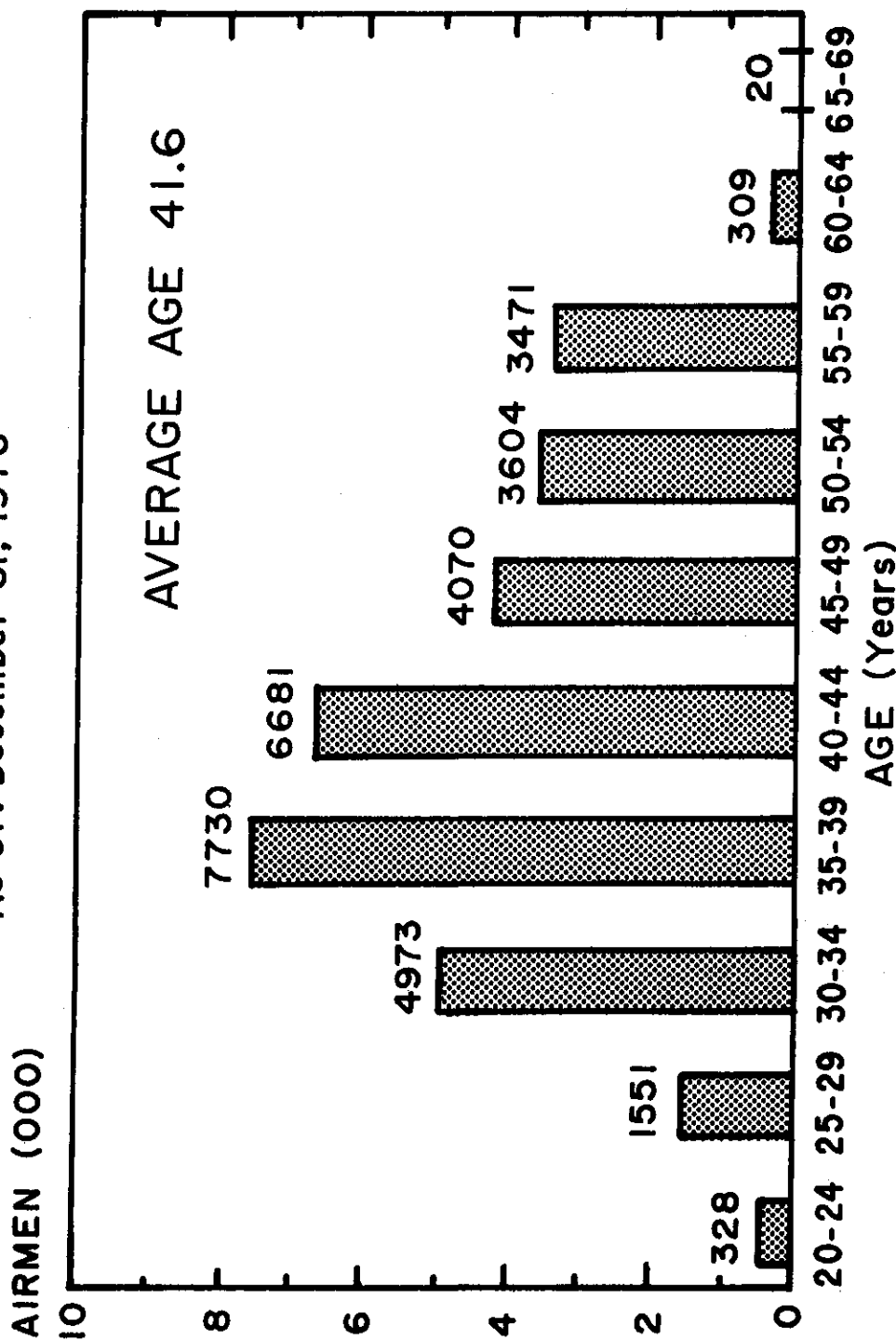
Age	First Class		Second Class		Third Class		Total Airmen	
	Male	Female	Male	Female	Male	Female	Male	Female
Less than 15	-	-	-	-	36	10	36	10
15 - 19	1,250	62	4,960	469	22,807	2,671	29,017	3,202
20 - 24	5,088	164	28,225	2,208	53,710	5,472	87,023	7,844
25 - 29	9,745	154	53,562	1,890	51,603	6,481	114,910	8,525
30 - 34	16,111	139	55,669	1,332	45,802	5,858	117,582	7,329
35 - 39	14,712	64	44,065	888	38,729	4,316	97,506	5,268
40 - 44	11,306	29	40,083	725	35,548	3,182	86,937	3,936
45 - 49	7,068	30	26,845	654	41,383	2,745	75,296	3,429
50 - 54	6,470	27	21,500	511	34,358	2,009	62,328	2,547
55 - 59	5,858	14	15,510	315	20,270	967	41,638	1,296
60 - 64	1,272	6	5,395	124	9,694	367	16,361	497
65 - 69	189	1	1,682	59	3,549	126	5,420	186
70 - 74	35	-	528	20	1,129	27	1,692	47
75 - 79	3	-	120	2	299	8	422	10
80 - 84	1	-	22	-	83	1	106	1
85 and over	-	-	1	-	5	1	6	1
TOTAL	79,108	690	298,167	9,197	359,005	34,241	736,280	44,128

*Totals are based on active certified airmen within the past 25 months.

Source: Civil Aeromedical Institute, Aeromedical Certification Branch, Medical Statistical Section; RIS: AC 8500-1, Aeromedical Certification Statistical Handbook Computer Run.

AGE DISTRIBUTION OF AIRLINE PILOTS

As Of: December 31, 1976



Source: Civil Aeromedical Institute, Aeromedical Certification Branch, Medical Statistical Section; RIS: AC 8500-1, Aeromedical Certification Statistical Handbook Computer Run.

Table IV.1

AGE DISTRIBUTION OF AIRLINE PILOTS*
As Of: December 31, 1976

Age Groups (1)	Airline Pilots (2)	Certified First Class Airmen** (3)	Percent of Total	
			Airline Pilots (4)	Certified First Class Airmen (5)
20 - 24	328	5,252	1.0	6.7
25 - 29	1,551	9,899	4.7	12.6
30 - 34	4,973	16,250	15.2	20.7
35 - 39	7,730	14,776	23.6	18.8
40 - 44	6,681	11,335	20.4	14.5
45 - 49	4,070	7,098	12.4	9.1
50 - 54	3,604	6,497	11.0	8.3
55 - 59	3,471	5,872	10.6	7.5
60 - 64	309	1,278	1.0	1.6
65 - 69	20	190	0.1	0.2
TOTAL	32,737	78,447	100.0	100.0

*Airline Pilots, Column (2), were determined by the combination of first class medical certificate issuance during the preceding 13 months and an occupation of "pilot for an airline." Figures in Column (3) were based on first class medical certificate issuance during the preceding 25 months.

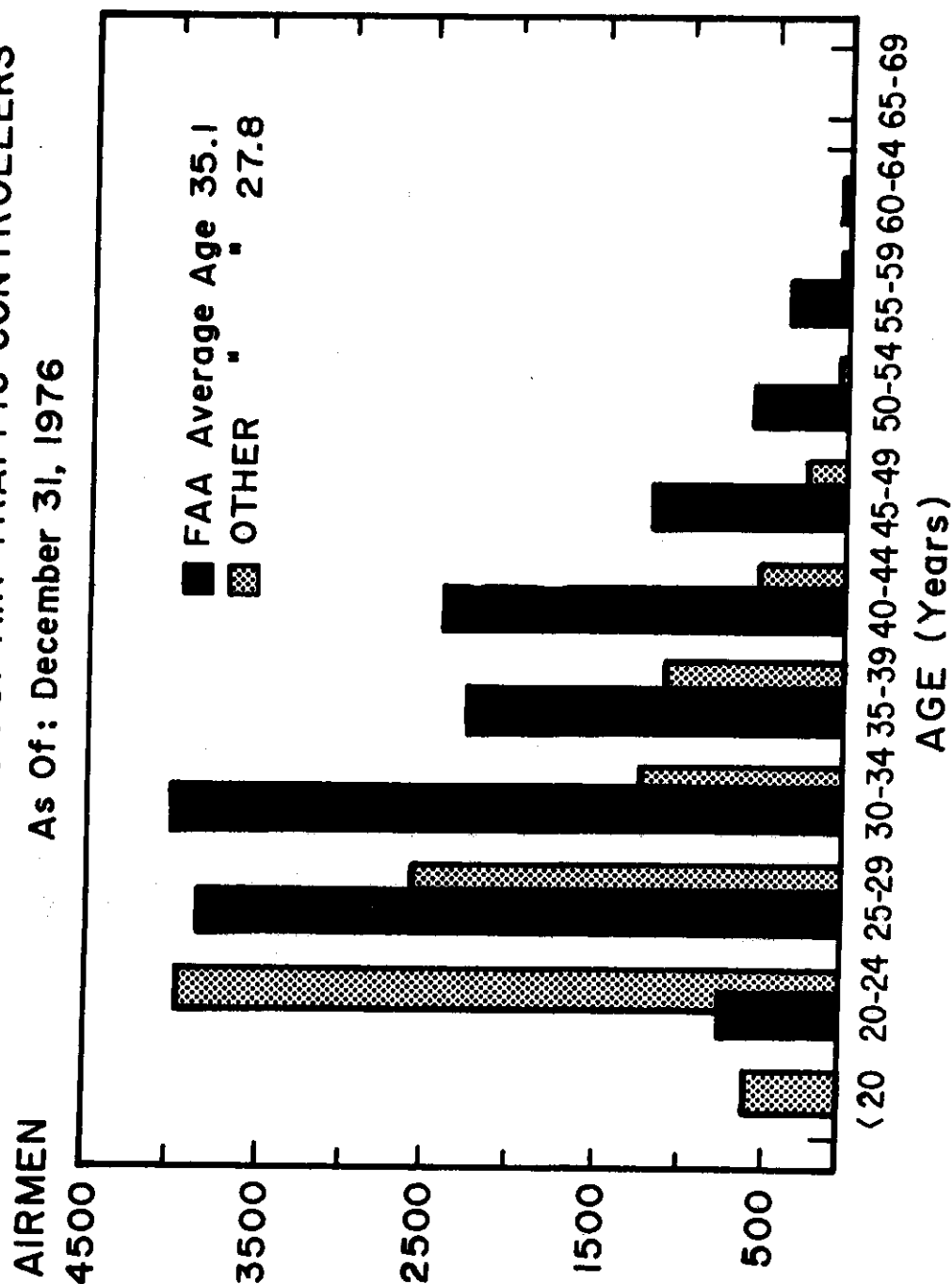
**Extreme age groups were deleted to more closely compare with age requirements for airline pilots. Under Part 121, Federal Aviation Regulations, no person may serve as a pilot on an airplane engaged in air carrier operations if that person has reached his 60th birthday. However, some airmen falling into this category still list their occupation as "pilot" even though their actual duties do not involve control of the airplane.

Source: Civil Aeromedical Institute, Aeromedical Certification Branch, Medical Statistical Section; RIS: AC 8500-1, Aeromedical Certification Statistical Handbook Computer Run.

Figure IV.J

AGE DISTRIBUTION OF AIR TRAFFIC CONTROLLERS

As Of: December 31, 1976



*Brackets are indicative of age class intervals wherein magnitudes are not apparent on this scale. In such instances, refer to accompanying table (Table IV.K) for frequencies.

Source: Civil Aeromedical Institute, Aeromedical Certification Branch, Medical Statistical Section; RIS: AC 8500-1, Aeromedical Certification Statistical Handbook Computer Run.

Table IV.K

AGE DISTRIBUTION OF AIR TRAFFIC CONTROLLERS*
As of: December 31, 1976

Age	FAA ATC'S	Other ATC'S
Less than 20	14	615
20 - 24	731	3,926
25 - 29	3,802	2,585
30 - 34	3,963	1,241
35 - 39	2,222	1,090
40 - 44	2,401	553
45 - 49	1,194	224
50 - 54	608	85
55 - 59	327	50
60 - 64	34	7
65 - 69	5	-
Over 69	-	-
TOTAL	15,301	10,376
Percent of all Certified Second Class Airmen	5.0	3.4

*Air Traffic Controllers (ATC'S) issued medical certificates within the past 13 months.

Source: Civil Aeromedical Institute, Aeromedical Certification Branch, Medical Statistical Section;
RIS: AC 8500-1, Aeromedical Certification Statistical Handbook Computer Run.

Table IV.1
 HEIGHT DISTRIBUTION OF ACTIVE AIRMEN
 BY CLASS AND SEX*
 As of: December 31, 1976

Height In Inches	First Class		Second Class		Third Class		Total Airmen	
	Male	Female	Male	Female	Male	Female	Male	Female
Less than 59	107	5	574	80	662	261	1,343	346
59	46	-	225	20	224	122	495	142
60	181	9	765	243	813	1,015	1,759	1,267
61	46	25	274	306	497	1,254	817	1,585
62	55	67	341	834	666	3,443	1,062	4,344
63	89	69	482	975	1,009	3,836	1,580	4,880
64	254	102	1,673	1,379	2,660	5,276	4,587	6,757
65	601	91	3,459	1,381	5,148	4,913	9,208	6,385
66	1,874	125	9,590	1,376	12,753	5,105	24,217	6,606
67	3,784	71	16,282	1,034	20,500	3,803	40,566	4,908
68	7,908	70	30,123	740	36,456	2,643	74,487	3,453
69	9,377	25	34,109	438	39,506	1,290	82,992	1,753
70	12,391	18	45,212	221	54,230	689	111,833	928
71	11,485	5	43,870	83	53,902	293	109,257	381
72	14,599	5	52,400	46	60,118	134	127,117	185
73	6,686	-	24,224	12	28,867	48	59,777	60
74	5,451	1	18,797	4	21,940	52	46,188	57
75	2,460	1	8,757	9	10,200	22	21,417	32
Over 75	1,714	1	7,010	16	8,854	42	17,578	59
TOTAL	79,108	690	298,167	9,197	359,005	34,241	736,280	44,128
Average Height	70.6	65.2	70.5	65.1	70.4	64.9	70.5	65.0

*Totals are based on active airmen certified within the past 25 months. Height, as reported by the airman, is rounded to the nearest inch.

Source: Civil Aeromedical Institute, Aeromedical Certification Branch, Medical Statistical Section; RIS: AC 8500-1, Aeromedical Certification Statistical Handbook Computer Run.

Table IV.M

WEIGHT DISTRIBUTION OF ACTIVE AIRMEN
BY CLASS AND SEX*

As of: December 31, 1976

Weight In Pounds	First Class		Second Class		Third Class		Total Airmen	
	Male	Female	Male	Female	Male	Female	Male	Female
Less than 90	26	-	93	19	189	59	308	78
90 - 99	4	9	9	102	65	502	78	613
100 - 109	32	63	96	635	347	2,739	475	3,437
110 - 119	166	148	488	1,692	1,375	6,573	2,029	8,413
120 - 129	522	184	2,190	2,266	4,878	8,409	7,590	10,859
130 - 139	1,788	137	8,015	1,948	13,284	6,768	23,087	8,853
140 - 149	4,667	68	18,466	1,121	25,844	3,962	48,977	5,151
150 - 159	9,639	38	35,129	628	43,155	2,207	87,923	2,873
160 - 169	13,895	24	47,885	336	55,350	1,219	117,130	1,579
170 - 179	15,667	10	53,742	187	59,981	735	129,390	932
180 - 189	13,367	4	48,483	101	53,069	436	114,919	541
190 - 199	8,748	2	34,201	56	37,840	260	80,789	318
200 - 209	4,838	2	21,136	37	24,040	150	50,014	189
210 - 219	2,832	1	12,729	26	15,964	72	31,525	99
220 - 229	1,473	-	7,275	16	10,129	68	18,877	84
230 - 239	766	-	3,932	7	5,634	34	10,332	41
240 - 249	366	-	1,997	11	3,327	14	5,690	25
Over 249	312	-	2,301	9	4,534	34	7,147	43
TOTAL	79,108	690	298,167	9,197	359,005	34,241	736,280	44,128

Average Weight 177.0 129.3 178.4 132.6 177.7 132.0 177.9 132.1

*Totals are based on active airmen certified within the past 25 months. Weight, as reported by the airman, is rounded to the nearest pound.

Source: Civil Aeromedical Institute, Aeromedical Certification Branch, Medical Statistical Section; RIS: AC 8500-1, Aeromedical Certification Statistical Handbook Computer Run.

Table IV.N
ACTIVE AIRMEN BY TYPE OF
FLYING AND CLASS*
As of: December 31, 1976

Class Issued	Type of Flying**			
	Business	Percent	Pleasure	Percent
First	65,978	(8.4)	13,820	(1.8)
Second	98,402	(12.6)	208,962	(26.8)
Third	52,027	(6.7)	341,219	(43.7)
TOTAL	216,407	(27.7)	564,001	(72.3)

*Totals are based on active airmen certified within the past 25 months. Basis for percentage computations is also total active certified airmen (780,408).

**Based on response by airman in Block 14 of FAA Form 8500-8. If type of flying was not given, it was classified as "pleasure." If both business and pleasure were indicated, type of flying was classified as "business."

Source: Civil Aeromedical Institute, Aeromedical Certification Branch, Medical Statistical Section; RIS: AC 8500-1, Aeromedical Certification Statistical Handbook Computer Run.

Table IV.0

AIRMEN BY OCCUPATION, CLASS AND SEX*
As Of: December 31, 1976

Occupation Code	First Class		Second Class		Third Class		Total	
	Male	Female	Male	Female	Male	Female	Male	Female
1 - Pilot (Scheduled or Non-Scheduled Airline)	35,341	32	207	1	21	1	35,569	34 (4.6)
2 - Flight Engineer	1,235	1	2,629	1	19	-	3,883	2 (0.5)
3 - Flight Navigator/Flight Radio Operator	15	-	74	-	1	-	90	- (0.0+)
4 - Business or Executive Pilot	17,523	87	246	3	6	1	17,775	91 (2.3)
5 - Commercial Pilot (Self Employed)	20	-	3,094	58	11	-	3,125	58 (0.4)
6 - Commercial Pilot (Not Self Employed)	77	1	12,947	129	33	-	13,057	130 (1.7)
7 - Aero Application (Agriculture)	91	-	3,303	3	18	-	3,412	3 (0.4)
8 - Air Traffic Controller	416	7	34,158	2,540	114	6	34,688	2,553 (4.8)
9 - Flight Instructor	2,511	102	4,561	346	14	1	7,086	449 (1.0)
0 - Aircraft Mechanic and Fixed Base Operators	384	-	3,367	15	988	21	4,739	36 (0.6)
F - Flight Service Station Specialist.	87	6	3,690	262	129	110	3,906	378 (0.5)
X - Not Given or Non-Aeronautical Occupation	21,408	454	229,891	5,839	357,651	34,101	608,950	40,394 (83.2)
TOTAL	79,108	690	298,167	9,197	359,005	34,241	736,280	44,128 (100.0)

*Totals are based on active airmen certified within the past 25 months. Occupation was based on response by the airman in Block 10 of FAA Form 8500-8; if not given, occupation was classified as "non-aeronautical." Basis for percentage computations is number in each occupation category to total airmen.

Source: Civil Aeromedical Institute, Aeromedical Certification Branch, Medical Statistical Section;
RIS: AC 8500-1, Aeromedical Certification Statistical Handbook Computer Run.

Table IV.P
EMPLOYERS OF ACTIVE AIRMEN BY
CLASS OF CERTIFICATE ISSUED*
As of: December 31, 1976

Employer	First Class	Second Class	Third Class	Total	Major Percents Of Total
Airlift International	96	19	-	115	
Airwest	496	20	6	522	
Alaska Airlines	161	28	-	189	
Allegheny Airlines (Merge-Mohawk)	924	37	2	963	
Aloha Airlines	63	5	-	68	
American Airlines	3,437	634	12	4,083	
American Flyers Airlines Corp.	2	-	-	2	
Braniff Airways	1,297	28	6	1,331	
Capitol International Airways	48	30	-	78	
Continental Air Lines	999	75	3	1,077	
Delta Air Lines	3,041	52	6	3,099	
Eastern Airlines	3,666	195	12	3,873	
Flying Tiger Line	404	40	2	446	
Frontier Airlines	486	36	4	526	
Hawaiian Airlines	110	4	-	114	
Modern Air Transport	3	1	-	4	
National Airlines	570	278	2	850	
New York Airways	3	-	-	3	
North Central Airlines	462	12	3	477	
Northwest Airlines	1,422	13	4	1,439	
Overseas National Airways	113	62	-	175	
Ozark Air Lines	360	12	2	374	
Pacific Airlines/Pacific					
Southwest Airlines	212	18	-	230	
Pan American World Airways	2,393	431	10	2,834	
Piedmont Aviation	359	31	4	394	
Saturn Airways	190	91	-	281	
Seaboard World Airlines	145	68	-	213	
Southern Air Transport	-	1	-	1	
Southern Airways	333	19	-	352	
Trans International Airlines	96	38	-	134	
Texas International Airlines	229	19	2	250	
Trans World Airlines	3,425	418	16	3,859	
United Airlines	4,975	427	34	5,436	
Western Air Lines	1,119	139	5	1,263	
Wien Consolidated Airlines	142	9	1	152	
World Airways	124	36	-	160	
SUBTOTAL ALL AIRLINES	31,905	3,326	136	35,367	4.5

Table IV.P (Continued)
 EMPLOYERS OF ACTIVE AIRMEN BY
 CLASS OF CERTIFICATE ISSUED*
 As of: December 31, 1976

Employer	First Class	Second Class	Third Class	Total	Major Percent Of Total
Federal Aviation Administration	1,749	19,563	601	21,913	2.8
Government, other than military or FAA, includes state and local government	629	1,201	29	1,859	0.2
Aircraft Industry	461	578	48	1,087	0.1
Industry, other than aircraft	3,880	2,127	25	6,032	0.8
Fixed Base Operation (flying schools, etc.)	2,069	7,591	563	10,223	1.3
Self Employed	1,901	5,232	79	7,212	0.9
Other	15,689	10,757	140	26,586	3.4
Not Applicable	19,672	209,815	391,099	620,586	79.5
Air Force	1,084	26,343	107	27,534	3.5
Army	188	8,121	29	8,338	1.1
Coast Guard	17	209	-	226	0.0+
Marines and Navy	472	12,176	55	12,703	1.6
National Aeronautics and Space Administration	82	325	335	742	0.1
SUBTOTAL ALL OTHERS	47,893	304,038	393,110	745,041	95.5
TOTAL	79,798	307,364	393,246	780,408	100.0

*Totals are based on active airmen certified within the past 25 months. Employer data is provided by the airman in Block 12 of FAA Form 8500-8. If blank or other than aeronautical employer is reflected, it is classified as "not applicable."

NOTE: Mergers, name changes, etc., will necessarily affect frequencies recorded until such changes are known to the Aeromedical Certification Branch and code schedules are changed accordingly.

Source: Civil Aeromedical Institute, Aeromedical Certification Branch, Medical Statistical Section; RIS: AC 8500-1, Aeromedical Certification Statistical Handbook Computer Run.

SECTION V

MEDICAL CHARACTERISTICS OF THE AIRMAN POPULATION

This section presents medical characteristics of the active airman population (those airmen certified within the preceding 25 months) as of December 31, 1976, by class of medical certificate issued.

Table V.A
ACTIVE AIRMEN BY NUMBER OF RESTRICTIONS
CARRIED, CLASS AND SEX*
As Of: December 31, 1976

Number Of Restrictions	First Class		Second Class		Third Class		Total Airmen		Total Airmen
	Male	Female	Male	Female	Male	Female	Male	Female	
1	24,019	256	119,234	4,272	155,388	15,204	298,641	19,732	318,373
2	326	1	4,644	179	7,779	265	12,749	445	13,194
3	30	-	198	2	302	13	530	15	545
4	4	-	11	-	16	-	31	-	31
More Than 4	-	-	-	-	-	-	-	-	-

*Figures are based on active airmen certified within the past 25 months.

Source: Civil Aeromedical Institute, Aeromedical Certification Branch, Medical Statistical Section; RIS:
AC 8500-1, Aeromedical Certification Statistical Handbook Computer Run.

Table V.B

FREQUENCY OF RESTRICTIONS AMONG
ACTIVE AIRMEN BY CLASS AND SEX*
As of: December 31, 1976

Restriction	First Class		Second Class		Third Class		Total Airmen	
	Male	Female	Male	Female	Male	Female	Male	Female
Must Have Available Glasses								
For Near Vision While Flying	8,356	19	21,593	473	31,072	1,840	61,021	2,332
Must Wear Corrective Lenses	14,578	172	92,667	3,117	115,917	11,030	223,162	14,319
Must Wear Corrective Lenses For Distant Vision and Possess Glasses for Near Vision	2	-	5	-	7	3	14	3
Must Wear Prismatic Correction While Flying	3	-	41	2	16	2	60	4
+May Wear Contact Lenses While Flying	282	11	985	96	1,140	312	2,407	419
+May Wear Contacts While Flying: Glasses Must be Available	799	53	4,500	629	6,097	1,957	11,396	2,639
Must Wear Hearing Aid While Flying	13	-	131	1	326	10	470	11
Must Wear Artificial Limb While Flying	17	-	105	2	268	6	390	8
Oxygen Required When Flying Above 7,999 Feet	3	-	4	-	13	-	20	-
Passenger Carrying Prohibited	2	-	8	-	7	3	17	3
Not Valid For Pilot In Command	5	-	5	-	6	4	16	4

+ Wording of these restrictions changed 12-21-76 with the FAR revision concerning contact lenses; however, wording has not been changed on this report as data presented pertain to restrictions assigned before the FAR revision.

Table V.A
ACTIVE AIRMEN BY NUMBER OF RESTRICTIONS
CARRIED, CLASS AND SEX*
As Of: December 31, 1976

Number Of Restrictions	First Class		Second Class		Third Class		Total Airmen		Total Airmen
	Male	Female	Male	Female	Male	Female	Male	Female	
1	24,019	256	119,234	4,272	155,388	15,204	298,641	19,732	318,373
2	326	1	4,644	179	7,779	265	12,749	445	13,194
3	30	-	198	2	302	13	530	15	545
4	4	-	11	-	16	-	31	-	31
More Than 4	-	-	-	-	-	-	-	-	-

*Figures are based on active airmen certified within the past 25 months.

Source: Civil Aeromedical Institute, Aeromedical Certification Branch, Medical Statistical Section; RIS:
AC 8500-1, Aeromedical Certification Statistical Handbook Computer Run.

Table V.B

FREQUENCY OF RESTRICTIONS AMONG
ACTIVE AIRMEN BY CLASS AND SEX*
As of: December 31, 1976

Restriction	First Class		Second Class		Third Class		Total Airmen	
	Male	Female	Male	Female	Male	Female	Male	Female
Must Have Available Glasses								
For Near Vision While Flying	8,356	19	21,593	473	31,072	1,840	61,021	2,332
Must Wear Corrective Lenses	14,578	172	92,667	3,117	115,917	11,030	223,162	14,319
Must Wear Corrective Lenses For Distant Vision and Possess Glasses for Near Vision	2	-	5	-	7	3	14	3
Must Wear Prismatic Correction While Flying	3	-	41	2	16	2	60	4
+May Wear Contact Lenses While Flying	282	11	985	96	1,140	312	2,407	419
+May Wear Contacts While Flying: Glasses Must be Available	799	53	4,500	629	6,097	1,957	11,396	2,639
Must Wear Hearing Aid While Flying	13	-	131	1	326	10	470	11
Must Wear Artificial Limb While Flying	17	-	105	2	268	6	390	8
Oxygen Required When Flying Above 7,999 Feet	3	-	4	-	13	-	20	-
Passenger Carrying Prohibited	2	-	8	-	7	3	17	3
Not Valid For Pilot In Command	5	-	5	-	6	4	16	4

+ Wording of these restrictions changed 12-21-76 with the FAR revision concerning contact lenses; however, wording has not been changed on this report as data presented pertain to restrictions assigned before the FAR revision.

Table V.B (Continued)

FREQUENCY OF RESTRICTIONS AMONG
ACTIVE AIRMEN BY CLASS AND SEX*
As of: December 31, 1976

Restriction	First Class		Second Class		Third Class		Total Airmen	
	Male	Female	Male	Female	Male	Female	Male	Female
Not Valid For Control Tower Operator Duties	20	-	97	1	64	1	181	2
Not Valid For Air Transport Duties	-	-	1	-	3	-	4	-
Not Valid For Night Flying or By Color Signal Control (Color Vision)	77	-	1,976	4	8,585	36	10,638	40
Not Valid For Night Flying (Glaucoma)	-	-	2	-	9	-	11	-
Not Valid For Flying Where Radio Use Is Required	1	-	8	-	89	4	98	4
Flying Limited To Remote Areas	1	-	-	-	-	-	1	-
Valid For Flight Service Station or Center Duties only	-	-	25	2	1	-	26	2
Valid For Flight Test only	9	-	32	1	20	1	61	2
Second Class Privileges Limited To Cro; Dusting	-	-	5	-	1	-	6	-
Second Class Privileges Limited To Flight Engineer Duties	1	-	30	-	3	-	34	-

Table V.B (Continued)

FREQUENCY OF RESTRICTIONS AMONG
ACTIVE AIRMEN BY CLASS AND SEX*
As of: December 31, 1976

Restriction	First Class		Second Class		Third Class		Total Airmen	
	Male	Female	Male	Female	Male	Female	Male	Female
Second Class Privileges Limited To Flight Navigator Duties	-	-	4	-	-	-	4	-
Second Class Privileges Limited To Control Tower Operator Duties	3	-	9	-	3	-	15	-
Valid For And Limited To ATC Duty Only	4	-	2,404	149	28	2	2,436	151
Valid For ATC Duties - Center Only	1	-	87	3	6	-	94	3
Valid For Flight Service Station Duties Only	1	1	362	16	3	-	366	17
Limited to Military Controller Duties	1	-	325	57	8	-	334	57
Valid For Control Tower Duties When Second Controller On Duty	-	-	3	-	1	-	4	-
Valid Only When Accompanied by Another Qualified Pilot	1	-	2	-	1	1	4	1
Valid For Student Pilot Purposes Only	7	-	119	3	2,620	202	2,746	205
Second Class Privileges Limited To Cargo Operations	-	-	-	-	-	-	-	-

Table V.B (Continued)

FREQUENCY OF RESTRICTIONS AMONG
ACTIVE AIRMEN BY CLASS AND SEX*
As of: December 31, 1976

Restriction	First Class		Second Class		Third Class		Total Airmen	
	Male	Female	Male	Female	Male	Female	Male	Female
Issued On Basis of Demonstrated Medical Fitness	-	-	-	-	1	-	1	-
Time Limitation Restrictions	324	-	2,637	55	3,913	268	6,874	323
Panel Restrictions	76	1	173	1	767	14	1,016	16
Miscellaneous Restrictions	190	1	815	24	921	77	1,926	102
TOTAL	24,777	258	129,160	4,636	171,916	15,773	325,853	20,667

*Figures are based on active airmen certified within the past 25 months; however, the restriction may have been assigned prior to the most recent examination. Airmen may have more than one restriction.

Source: Civil Aeromedical Institute, Aeromedical Certification Branch, Medical Statistical Section; RIS: AC 8500-1, Aeromedical Certification Statistical Handbook Computer Run.

Table V.C

ACTIVE AIRMEN WITH DEFECTIVE COLOR VISION
 BY CLASS AND SEX*
 As of: December 31, 1976

Class Issued	Frequency**			
	Male	Percent	Female	Percent
First	560	(0.7)	2	(0.3)
Second	4,772	(1.6)	10	(0.1)
Third	10,630	(3.0)	63	(0.2)
TOTAL	15,962	(2.2)	75	(0.2)

*Figures are based on active airmen certified within the past 25 months and the assignment of the restriction "Not Valid For Night Flying or by Color Signal Control" or issuance of a waiver for deficient color vision.

**Basis for percentages is the number of active airmen by sex within each class, i.e., 0.7% of first class male airmen have defective color vision, etc. Percent of total is computed using the total male or female population.

Source: Civil Aeromedical Institute, Aeromedical Certification Branch, Medical Statistical Section; RIS: AC 8500-1, Aeromedical Certification Statistical Handbook Computer Run.

Table V.B (Continued)

FREQUENCY OF RESTRICTIONS AMONG
ACTIVE AIRMEN BY CLASS AND SEX*
As of: December 31, 1976

Restriction	First Class		Second Class		Third Class		Total Airmen	
	Male	Female	Male	Female	Male	Female	Male	Female
Issued On Basis of Demonstrated Medical Fitness	-	-	-	-	1	-	1	-
Time Limitation Restrictions	324	-	2,637	55	3,913	268	6,874	323
Panel Restrictions	76	1	173	1	767	14	1,016	16
Miscellaneous Restrictions	190	1	815	24	921	77	1,926	102
TOTAL	24,777	258	129,160	4,636	171,916	15,773	325,853	20,667

*Figures are based on active airmen certified within the past 25 months; however, the restriction may have been assigned prior to the most recent examination. Airmen may have more than one restriction.

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Table V.C

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 BY CLASS AND SEX*
 As of: December 31, 1976

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TOTAL	15,962	(2.2)	75	(0.2)

*Figures are based on active airmen certified within the past 25 months and the assignment of the restriction "Not Valid For Night Flying or by Color Signal Control" or issuance of a waiver for deficient color vision.

**Basis for percentages is the number of active airmen by sex within each class, i.e., 0.7% of first class male airmen have defective color vision, etc. Percent of total is computed using the total male or female population.

Source: Civil Aeromedical Institute, Aeromedical Certification Branch, Medical Statistical Section; RIS: AC 8500-1, Aeromedical Certification Statistical Handbook Computer Run.

Table V.D

ACTIVE AIRMEN WITH WAIVERS
BY CLASS AND SEX*
As of: December 31, 1976

Class Issued	Frequency**			
	Male	Percent	Female	Percent
First	4,916	(6.2)	94	(13.6)
Second	32,604	(10.9)	1,392	(15.1)
Third	18,042	(5.0)	2,595	(7.6)
TOTAL	55,562	(7.5)	4,081	(9.2)

*Figures are based on active airmen certified within the past 25 months; however, the waiver may have been issued prior to the most recent examination. Tabulations were based on an indication of a waiver in the class issued code or the presence of a waiver number.

**Basis for percentages is the number of active airmen by sex within each class. Percent of total is computed using the total male or female population.

Source: Civil Aeromedical Institute, Aeromedical Certification Branch, Medical Statistical Section; RIS: AC 8500-1, Aeromedical Certification Statistical Handbook Computer Run.

Table V.D

ACTIVE AIRMEN WITH WAIVERS
 BY CLASS AND SEX*
 As of: December 31, 1976

Class Issued	Frequency**			
	Male	Percent	Female	Percent
First	4,916	(6.2)	94	(13.6)
Second	32,604	(10.9)	1,392	(15.1)
Third	18,042	(5.0)	2,595	(7.6)
TOTAL	55,562	(7.5)	4,081	(9.2)

*Figures are based on active airmen certified within the past 25 months; however, the waiver may have been issued prior to the most recent examination. Tabulations were based on an indication of a waiver in the class issued code or the presence of a waiver number.

**Basis for percentages is the number of active airmen by sex within each class. Percent of total is computed using the total male or female population.

Source: Civil Aeromedical Institute, Aeromedical Certification Branch, Medical Statistical Section; RIS: AC 8500-1, Aeromedical Certification Statistical Handbook Computer Run.

