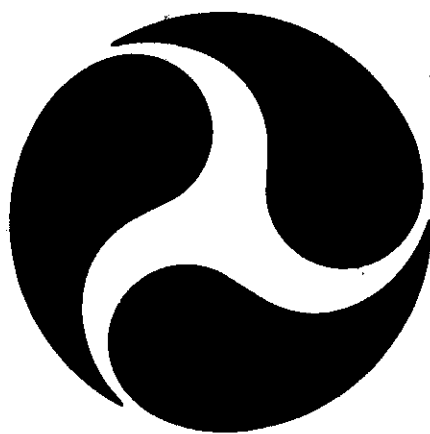


1986

AEROMEDICAL CERTIFICATION
STATISTICAL HANDBOOK



U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
MIKE MONRONEY AERONAUTICAL CENTER
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 1986 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.

AME 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
1985-1986

Region	Percent of 1986 Total*	Aviation Medical Examiners	
		1985	1986
Eastern	11.6	883	857
Central	7.8	625	581
Southern	17.1	1,302	1,265
Southwest	12.8	943	945
Western Pacific	9.8	712	728
Northwest Mountain	9.9	845	737
New England	3.6	277	267
Great Lakes	16.5	1,266	1,225
Alaskan	1.6	112	117
 SUBTOTAL	 90.7	 6,965	 6,722
Military**	5.6	493	418
International	3.7	281	274
 TOTAL	 100.0	 7,739	 7,414

*The basis for percentage computations is total designations as of the end of calendar year 1986, i.e., U.S. and International designations represent one physician for each designation; whereas, Military designations represent one facility for each designation.

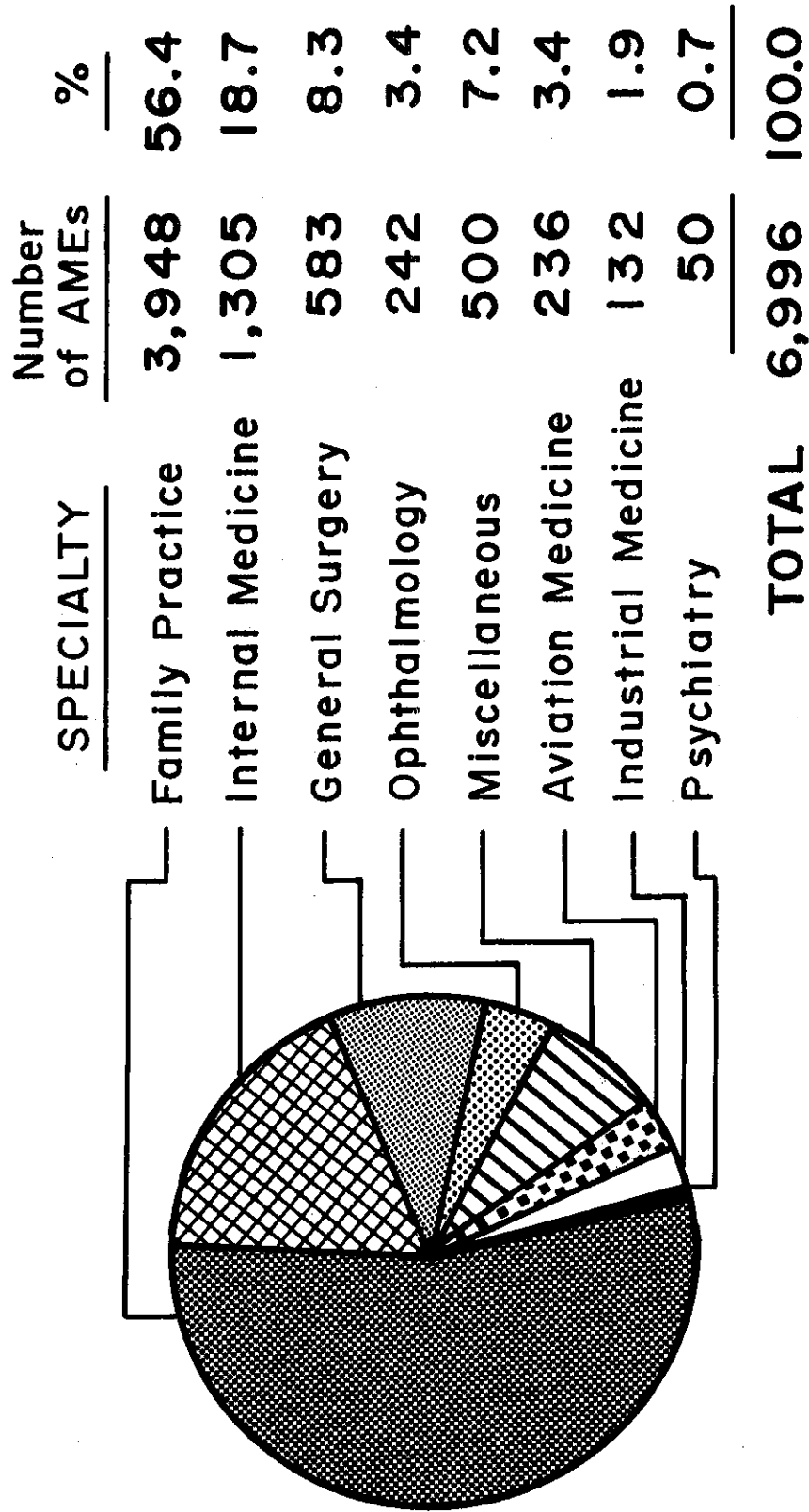
**Denotes military installation designations rather than individual physicians.

Source: Civil Aeromedical Institute, Aeromedical Education Branch, Aviation Medical Examiner Program; RIS: AC 8500-2, AME Worklist by State (Designated FAA Aviation Medical Examiners by Region and State).

Figure I.B

MEDICAL PRACTICE OF AVIATION MEDICAL EXAMINERS*

1986



*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

1986

Region	Active U.S. Civil Airman Population*	U.S. Non- Military AME Population**	Ratio AMEs To Airmen
Eastern	81,324	857	1:95
Central	34,334	581	1:59
Southern	103,903	1,265	1:82
Southwest	80,407	945	1:85
Western Pacific	112,038	728	1:154
Northwest Mountain	60,001	737	1:81
New England	31,394	267	1:118
Great Lakes	108,951	1,225	1:89
Alaskan	10,308	117	1:88
TOTAL	622,660	6,722	1:92

*Active U.S. Civil Airman Population figures are as of December 31, 1986,
RIS: AC 8065-4, Examination Time Period Summary. Military and International
not included.

**U.S. Non-Military AME Population figures are as of January 25, 1987;
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 Program; and Aeromedical Certification Branch, Medical
Statistical Section.

Table I.D

AVIATION MEDICAL EXAMINER SEMINARS
DATE, LOCATION, AND ATTENDANCE

1986

Date	Location	Attendance
February 20-23	Houston, Texas	104
March 13-16	Saddle Brook, New Jersey	72
April 6-11	Oklahoma City, Oklahoma	55
April 20-24	Nashville, Tennessee (AsMA)	290
June 19-22	Seattle, Washington	265
August 21-24	Phoenix, Arizona	136
September 18-21	Miami, Florida	81
October 5-10	Oklahoma City, Oklahoma	74
October 23-26	Washington, D. C.	245
November 13-16	Denver, Colorado	163
December 4-7	Chicago, Illinois	216
TOTAL		1,701

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

Table I.E

AVIATION MEDICAL EXAMINER
SEMINARS AND ATTENDANCE
1960 - 1986

Date	Seminar	Attendance
1960	1	49
1961	16	1,031
1962	24	1,431
1963	13	1,153
1964	9	1,406
1965	10	1,596
1966	7	1,187
1967	11	1,281
1968	5	545
1969	7	970
1970	5	750
1971	10	1,521
1972	5	873
1973	4	806
1974	8	1,498
1975	13	1,633
1976	15	1,871
1977	12	1,309
1978	14	1,439
1979	16	1,733
1980	15	2,012
1981	13	1,477
1982	15	1,652
1983	17	1,523
1984	17	1,551
1985	15	2,033
1986	11	1,701
TOTAL	308	36,031

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

Table I.F

ACTIVE AVIATION MEDICAL EXAMINERS
SEMINAR ATTENDANCE BY REGION*
1986

Region	Total AMEs	One Seminar	More Than One Seminar	No Participation At Seminars
Eastern	857	165	681	11
Central	581	135	440	6
Southern	1,265	265	953	47
Southwest	945	206	721	18
Western Pacific	728	149	577	2
Northwest Mountain	737	172	562	3
New England	267	66	197	4
Great Lakes	1,225	265	921	39
Alaskan	117	25	85	7
International	274	96	87	91
TOTAL	6,996	1,544	5,224	228
Percent of Total	100.0	22.1	74.7	3.2

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

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

Table I.G

AVIATION MEDICAL EXAMINER SUMMARY DATA*
1986

A. Number of Designated U.S. Non-Military Aviation Medical Examiners	6,722
B. Number of Designated International Aviation Medical Examiners	274
C. Number of Designated Military Aviation Medical Examiners (Installations)	418
D. Ratio of U.S. Non-Military Aviation Medical Examiners to U.S. Civil Airmen	1:92
E. Percentage of Non-Military Aviation Medical Examiners Who Are Qualified Pilots	49.0%*
F. Percentage of Aviation Medical Examiners Who Were Military Flight Surgeons	19%*
G. Number of Non-Military Aviation Medical Examiners Who Participate in Accident Investigation	177
H. Percentage of Non-Military Aviation Medical Examiners Who Have Attended One Seminar	22.1%
I. Percentage of Non-Military Aviation Medical Examiners Who Have Attended More Than One Seminar	74.7%
J. Percentage of Non-Military Aviation Medical Examiners Who Have Not Attended a Seminar	3.2%
K. Total Number of Seminars Conducted in 1986	11
L. Total Attendance of Aviation Medical Examiners at Seminars Conducted in 1986	1,701

* 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 Program.

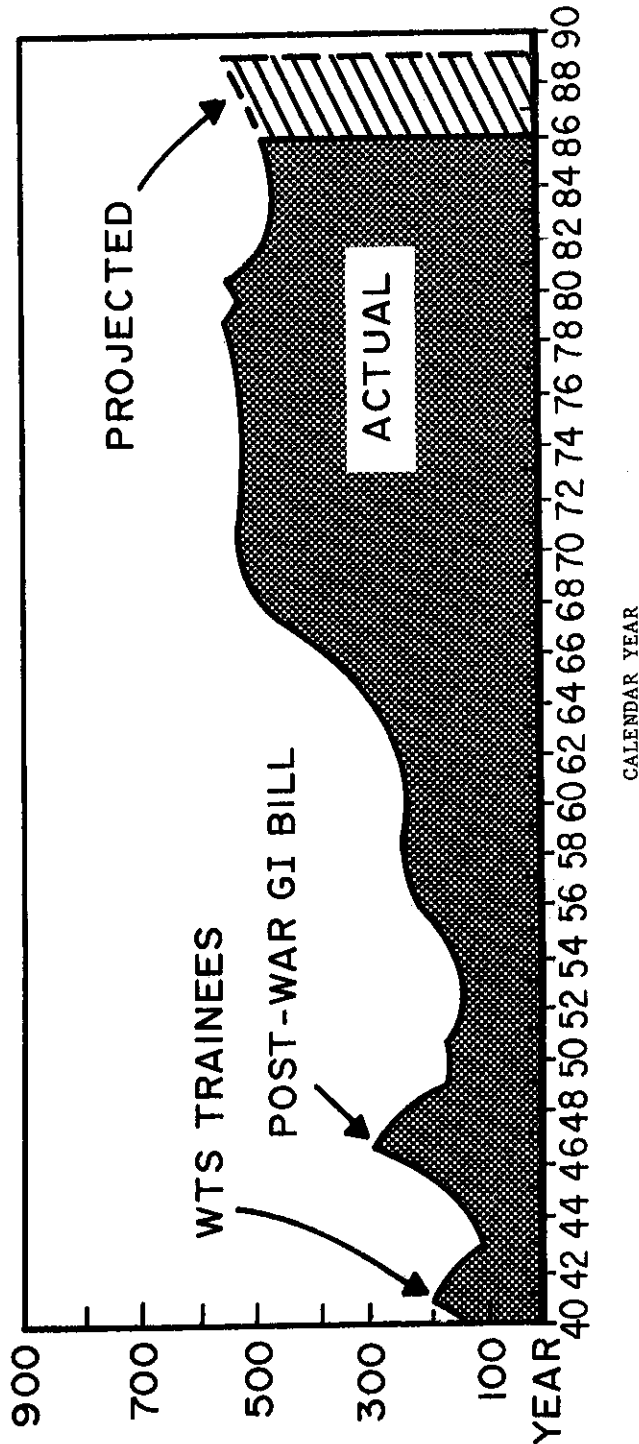
SECTION II

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
 AIRMAN APPLICATIONS FOR MEDICAL CERTIFICATION
 1940-1986 Projected to 1989



Year	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955
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	168.6
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	+5.0
Year	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971
Applications	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	487.7	493.1
Percentage*	+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	+1.9	+1.1
Year	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Applications	494.7	521.7	515.4	519.2	542.1	550.2	565.5	550.2	529.1	529.4	463.2	477.9	463.6	479.8	474.4	493.4
Percentage*	+0.3	+5.5	-1.2	+0.7	+4.4	+1.5	+2.8	-2.7	-3.8	+0.1	-12.5	+3.2	-3.0	+3.5	-1.1	+4.0
Year	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
Application	513.1	533.6														
Percentage*	+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*
1965-1986

Calendar Year	Total	Percent of		Second Class	Percent of		Third Class	Percent of	
		First Class	Total		Total	Total		Total	Total
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	
1977	550,243	97,393	17.7	230,552	41.9		222,298	40.4	
1978	565,534	105,755	18.7	228,476	40.4		231,303	40.9	
1979	550,188	111,138	20.2	212,373	38.6		226,677	41.2	
1980	529,051	118,507	22.4	197,865	37.4		212,679	40.2	
1981	529,418	128,649	24.3	183,708	34.7		217,061	41.0	
1982	463,241	110,714	23.9	155,186	33.5		197,341	42.6	
1983	477,905	114,219	23.9	171,090	35.8		192,596	40.3	
1984	463,617	109,877	23.7	159,948	34.5		193,792	41.8	
1985	479,849	126,680	26.4	154,511	32.2		198,658	41.4	
1986	474,392	133,304	28.1	146,113	30.8		194,975	41.1	

*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 1986 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
1986

Month	Applications				Applications Requiring Manual Review**	Applications Intra-Office Transmitted***
	Applications Received	Coded for Computer Screening	Applications Screened by Computer*	Applications Requiring Manual Review**		
January	37,880	39,080	39,667	19,675		182
February	32,840	28,640	28,085	12,543		150
March	38,116	38,316	38,797	13,575		171
April	41,749	39,649	37,970	13,403		219
May	38,949	32,749	33,278	11,647		180
June	44,237	36,937	32,084	11,325		211
SUBTOTAL	233,771	215,371	209,881	82,168		1,113
July	44,200	43,300	38,621	13,594		233
August	40,999	50,499	42,664	15,018		223
September	44,011	51,111	53,241	18,740		164
October	41,428	42,528	46,187	18,475		131
November	31,986	35,286	39,465	14,996		101
December	37,997	36,397	41,354	15,714		156
SUBTOTAL	240,621	259,121	261,532	96,537		1,008
TOTAL	474,392	474,492	471,413	178,705		2,121

*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 is presently 38% of applications screened by computer.

***Figures include applications transmitted to the regions and to the Federal Air Surgeon for certification or review. Represents 0.4% 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
1986

Activity	Frequency	Subtotal	Percent of Total
<u>Certification</u>			
Issued and Corrected Certificates	7,825		
Eligibility Letters	22,415		
Issued or Duplicate Waivers	7,222	37,462	43.3
<u>Further Action Necessary</u>			
Information Requested	36,121		
Medical Flight Test Authorization	4,538		
Case Summary for the Federal Air Surgeon	622		
Special Issuance Letters	1,253	42,534	49.1
<u>Telegram Replies to Airmen/Agency Offices</u>	463	463	0.5
<u>Denial Letters</u>			
Final Denials	288		
General Denials	2,765	4,109	4.8
Failure to Provide Denials	720		
Other Denial Correspondence	336		
<u>Miscellaneous Correspondence*</u>			
AME Error Letters	122	2,033	2.3
Other Miscellaneous*	1,911		
TOTAL		86,601	100.0

*Includes refund letters, charge letters, second request letters, requests for return of medical certificate, cover letters, 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, 1986

Action	Time Lapse Since Date of Last Examination					Total
	<7 Month	<13 Month	<25 Month	25-36 Month	Over 36 Month	
Certified						
First Class	71,078	31,418	115,808	6,532	N/A	122,340
Second Class	67,857	64,321	207,255	40,599	N/A	247,854
Third Class	102,130	82,761	369,695	98,733	N/A	468,428
SUBTOTAL	241,115	178,502	692,758	145,864	N/A	838,622
Non-Certified						
Pending	1,720	663	3,817	1,257	N/A	5,074
Denied	1,835	1,721	6,974	3,644	N/A	10,618
SUBTOTAL	3,555	2,384	10,791	4,901	N/A	15,692
Link*	N/A	N/A	N/A	N/A	421,386	421,386
TOTAL	244,670	180,886	703,549	150,765	421,386	1,275,700
EFFECTIVE STATUS TOTAL:						
		CLASS 1 = 71,078	CLASS 2 = 163,596	CLASS 3 = 458,084		

*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
1984-1986

Activity	CY 1986	CY 1985	CY 1984
Applications for Medical Certification	474,392	479,849	463,617
New Applications for First Class Medical Certificates*	-	3,343	3,092
New Applications for Second Class Medical Certificates*	-	10,812	10,811
New Applications for Third Class Medical Certificates*	-	61,680	65,273
First Class Combined Student/Medical Certificates	3,949	3,069	2,680
Second Class Combined Student/Medical Certificates	12,568	11,192	11,093
Third Class Combined Student/Medical Certificates	117,182	116,814	121,038
Electrocardiograms Received for First Class Pilots	55,377	50,130	50,494
Incoming Correspondence**	56,145	71,893	78,691
Outgoing Correspondence	86,601	97,336	94,946
Applications Containing Medical or Clerical Problems	178,705	243,425	243,068
Number of Abnormalities Detected in Electrocardiograms	11,075	10,126	10,095
Number of First Class Active Airmen with Pathology Records	24,328	22,677	21,090
Number of Second Class Active Airmen with Pathology Records	51,227	52,411	55,434
Number of Third Class Active Airmen with Pathology Records	64,643	63,104	61,943

*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 1985, 1,064 or 1.4% new applications were denied, 579 or 0.8% were pending, and 74,192 or 97.8% were issued for a total of 75,835 new applications.

Table II.F (Continued)

MEDICAL CERTIFICATION ACTIVITY SUMMARY
1984-1986

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.

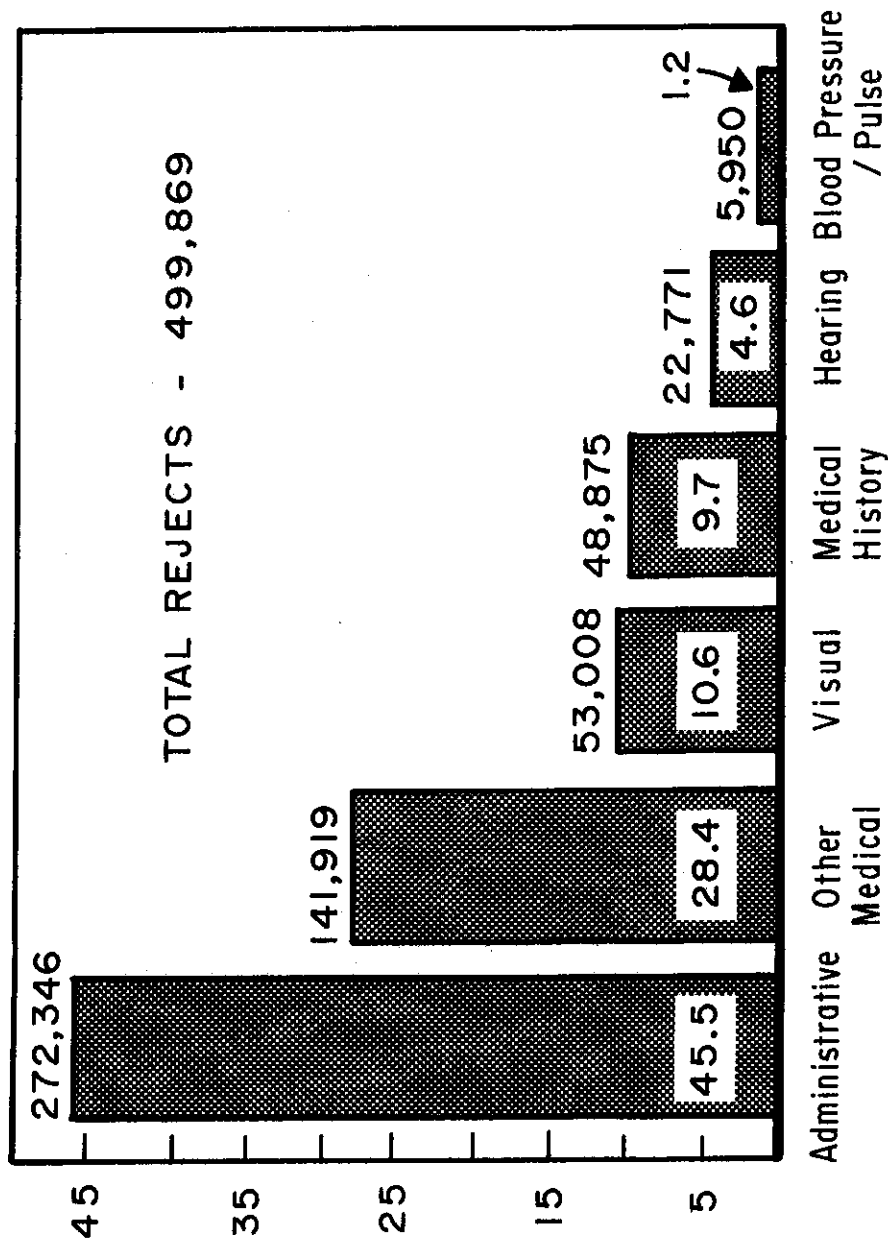
Source: Civil Aeromedical Institute, Aeromedical Certification Branch, Medical Statistical Section; RIS: AC 8500-1, 8500-3, and 8065-3.

SECTION III

REFERRALS AND DENIALS

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

Figure III.A
DISTRIBUTION OF CAUSES FOR REVIEW BY MAJOR CATEGORY
1986



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

DISTRIBUTION OF CAUSES FOR REVIEW BY MAJOR AND MINOR CATEGORIES
1986

Reject	Major Category Totals	Percent	Minor Categories	Percent
<u>Administrative</u>	227,346	45.5		
AME Number Rejects			10,787	2.2
No Ticket Flag Set			54,449	10.9
Previous Exam Has No Ticket Flag			3,621	0.7
Previous Exam Pending			634	0.1
Clerical Reject			10,679	2.2
Class Issued Higher Than Applied For**			470	0.1
Airman Over 80 Years of Age			330	0.1
First Class Over 60 Years of Age**			387	0.1
Waiver Rejects**			2,939	0.6
Re-Submit Exam to Computer			2,917	0.6
Date of ECG Rejects**			8,140	1.6
No Match Between New and Previous Exams			3,366	0.7
Discrepancy in Name/DOB			18,055	3.6
Student/Medical Age Less Than 16			233	0.0+
Discrepancy in Social Security Number			17,746	3.5
Other*			92,593	18.5
<u>Visual</u>	53,008	10.6		
Distant Vision			25,602	5.1
Near Vision**			14,103	2.8
Intraocular Tension**			1,133	0.2
Field of Vision**			1,058	0.2
Color Vision**			3,975	0.8
Variation in Distant Vision**			3,598	0.7
Esophoria and Exophoria**			1,721	0.4
Right or Left Hyperphoria**			1,818	0.4
<u>Other Medical Conditions</u>	141,919	28.4		
Denied or Pending - Current Exam			13,441	2.7
Urinalysis			11,274	2.3
Pathology Codes			48,748	9.7
Abnormalities (Items 25-48)**			5,577	1.1
Medication			38,981	7.8
Restrictions			23,898	4.8
<u>Medical History</u>	48,875	9.7		
Special Case			434	0.1
Medical History**			33,499	6.7
Previous Exam on Tape Denied			2,000	0.4
Previous Exemption/Special Issuance Case			2,577	0.5
Input Exemption/Special Issuance Case			987	0.2
Follow-up Material Requested			6,132	1.2
Current Information with Previous Record			1,706	0.3
Previous Exam Sent to Washington or Region			581	0.1
Previous Record in ECG Pending/Follow-up				
Not Required This Exam/File Sent to Consultant			959	0.2
<u>Hearing</u>	22,771	4.6		
Hearing			22,771	4.6
<u>Blood Pressure/Pulse</u>	5,950	1.2		
Blood Pressure**			3,999	0.8
Pulse**			1,951	0.4
TOTAL REJECT MESSAGES	499,869	100.0		100.0

*Rejects resulting from validity checks against established edit criteria for height, weight, and address; rejects for certificates not issued due to class, no ticket flag, or bad address; and pathology number assigned rejects.

** In February 1986, several edits were modified to help reduce workload and backlog. This resulted in less rejects by the computer.

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

Table III.C
Special Issuances and Denials*
As of: December 31, 1986

Category of Issuance/Denial	First Class	Second Class	Third Class	Total
<u>Issuances</u>				
NTSB Issuance	3	8	8	19
Special Issuance by AAM-130	326	185	1,173	1,684
Special Issuance by AAM-1	389	232	687	1,308
Special Issuance by RFS	2	14	70	86
<u>Exemptions</u>	53	67	200	320
<u>Denials</u>				
Final Denials by AAM-130	54	72	278	404
Final Denials by AAM-1	34	29	93	156
Final Denials by RFS	2	2	7	11

*Figures include those cases coded under special issuances or denials on active master file and those still certified under the exemption process.

Source: Civil Aeromedical Institute, Aeromedical Certification Branch, Medical Statistical Section; RIS: AC 8065-1, Pathology Code Summary.

SECTION IV

GENERAL AIRMAN POPULATION DATA

This section reflects general data concerning the active airman population. The data presented are as of December 31, 1986, 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 lower class.

Table IV.A

REGIONAL DISTRIBUTION OF ACTIVE AIRMEN BY CLASS OF CERTIFICATE AND EFFECTIVE STATUS*

As of: December 31, 1986

Region	First Class			Second Class			Third Class			Total Active Airmen				
	Class Certified	Effective Status (Class)**		Second Class Certified	Effective Status (Class)**		Third Class Certified	Effective Status (Class)**		Total Airmen Certified	Percent of Total Airmen	Effective Status (Class)**		
		1	2		3	2		3	3			1	2	3
astern	14,854	9,202	4,018	1,634	20,247	12,788	7,459	46,223	46,223	81,324	11.7	9,202	16,806	55,316
outhern	22,634	14,134	6,019	2,481	27,316	17,562	9,754	53,953	53,953	103,903	15.0	14,134	23,581	66,188
entral	3,967	2,515	1,095	357	8,641	5,570	3,071	21,726	21,726	34,334	5.0	2,515	6,665	25,154
outhwest	14,492	8,867	4,188	1,437	22,034	14,268	7,766	43,881	43,881	80,407	11.6	8,867	18,456	53,084
estern-Pacific	18,724	11,487	4,893	2,344	27,156	16,817	10,339	66,158	66,158	112,038	16.2	11,487	21,710	78,841
orthwest-Mountain	10,355	6,562	2,787	1,006	16,068	10,200	5,868	33,578	33,578	60,001	8.7	6,562	12,987	40,452
ew England	6,054	3,921	1,498	635	7,771	4,777	2,994	17,569	17,569	31,394	4.5	3,921	6,275	21,198
reat Lakes	15,743	9,758	4,492	1,493	25,641	16,485	9,156	67,567	67,567	108,951	15.7	9,758	20,977	78,216
laskan	1,197	650	410	137	3,487	2,254	1,233	5,624	5,624	10,308	1.5	650	2,664	6,994
U.S. TOTAL	108,020	67,096	29,400	11,524	158,361	100,721	57,640	356,279	356,279	622,660	89.9	67,096	130,121	425,443
ilitary**	84	35	32	17	44,928	28,885	16,043	9,626	9,626	54,638	7.9	35	28,917	25,686
nternational	7,704	3,947	1,986	1,771	3,966	2,572	1,394	3,790	3,790	15,460	2.2	3,947	4,558	6,955
TOTAL	115,808	71,078	31,418	13,312	207,255	132,178	75,077	369,695	369,695	692,758	100.0	71,078	163,596	458,084
ercent of Total ertified Airmen	(16.7)				(29.9)			(53.4)		(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 at a military examining facility.

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, 1986

State	First Class		Second Class		Third Class		Total Airmen	
	Male	Female	Male	Female	Male	Female	Male	Female
Alabama	731	9	2,076	47	3,919	261	6,726	317
Alaska	1,163	32	3,275	178	4,968	616	9,406	826
Arizona	1,980	77	3,338	176	7,125	727	12,443	980
Arkansas	478	11	1,792	47	3,080	231	5,350	289
California	14,275	451	20,557	1,053	49,933	4,961	84,765	6,465
Colorado	3,755	132	3,813	197	6,681	646	14,249	975
Connecticut	2,263	67	2,003	100	4,024	355	8,290	522
Delaware	273	8	360	20	708	51	1,341	79
District of Columbia	79	6	129	9	278	48	486	63
Florida	9,823	285	10,880	478	18,062	1,778	38,765	2,541
Georgia	5,110	89	3,343	108	7,199	561	15,652	758
Hawaii	745	35	574	39	688	84	2,007	158
Idaho	377	5	1,100	36	2,409	198	3,886	239
Illinois	4,630	127	5,401	261	13,688	1,087	23,719	1,475
Indiana	1,309	56	2,666	115	7,144	491	11,119	662
Iowa	508	7	1,752	55	4,875	290	7,135	352
Kansas	1,091	23	2,528	81	5,502	430	9,121	534
Kentucky	760	26	1,190	46	3,071	201	5,021	273
Louisiana	1,504	22	2,754	106	4,043	293	8,301	421
Maine	405	12	846	55	2,048	156	3,299	223
Maryland	1,297	48	1,868	133	4,832	484	7,997	665
Massachusetts	1,561	70	2,759	158	6,440	602	10,760	830
Michigan	2,220	75	4,353	194	11,579	791	18,152	1,060
Minnesota	3,056	112	3,193	128	8,070	554	14,319	794
Mississippi	435	14	1,455	33	2,167	141	4,057	188
Missouri	1,913	38	2,836	89	6,690	528	11,439	655
Montana	324	9	1,110	32	2,459	183	3,893	224
Nebraska	377	4	1,265	28	3,196	212	4,838	244
Nevada	1,088	29	1,273	59	2,268	244	4,629	332
New Hampshire	1,176	37	934	58	1,788	180	3,898	275
New Jersey	3,031	62	3,153	146	6,908	581	13,092	789
New Mexico	455	21	1,244	51	2,368	215	4,067	287

Table IV.B (Continued)

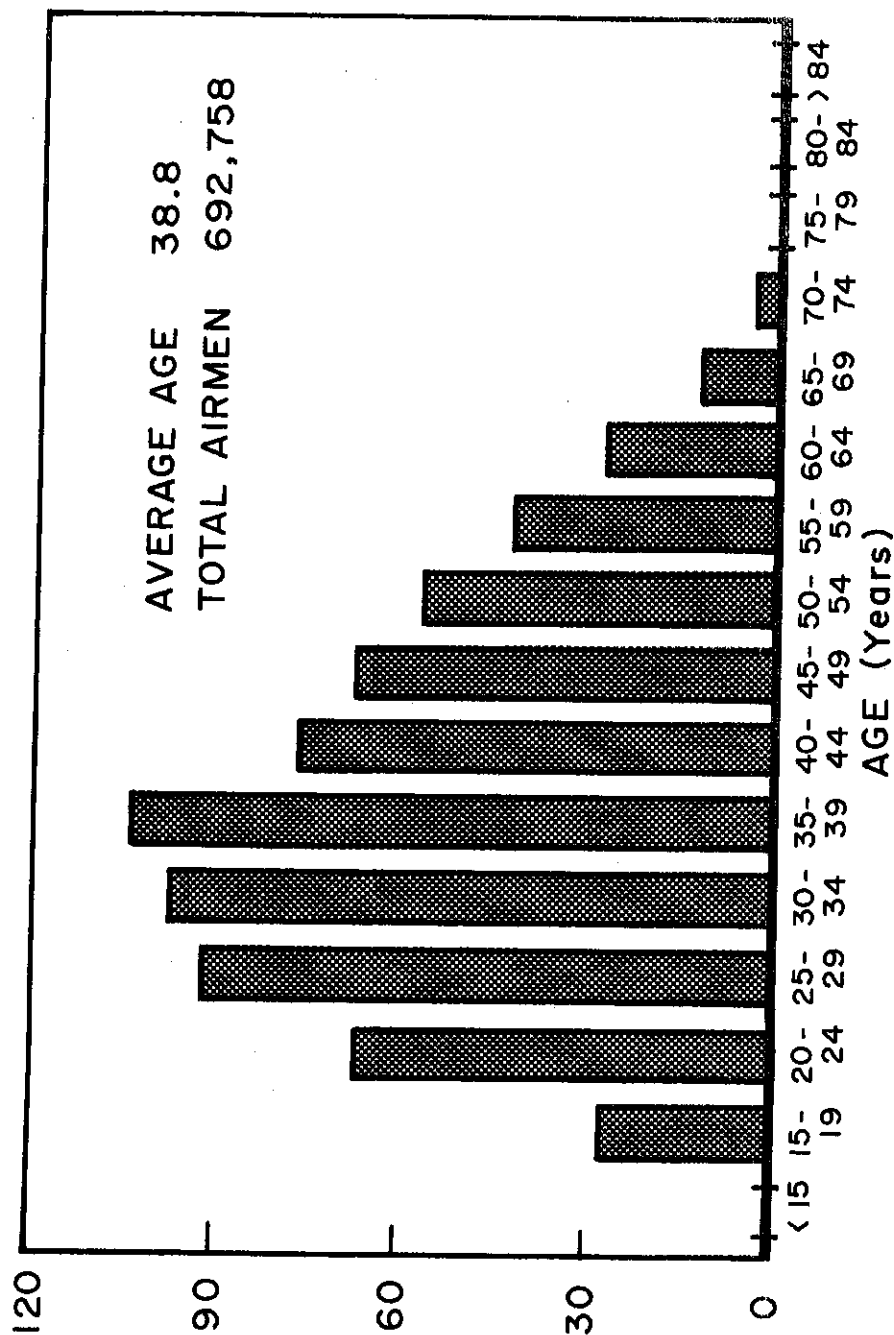
ACTIVE AIRMEN'S STATE OF RESIDENCE
BY SEX AND CLASS OF CERTIFICATE ISSUED*
As of: December 31, 1986

State	First Class		Second Class		Third Class		Total Airmen	
	Male	Female	Male	Female	Male	Female	Male	Female
New York	3,429	127	5,548	282	12,118	925	21,095	1,334
North Carolina	2,118	54	3,035	104	6,833	520	11,986	678
North Dakota	280	29	872	33	1,718	103	2,870	165
Ohio	2,345	77	5,050	234	12,396	1,004	19,791	1,315
Oklahoma	1,126	41	2,941	107	6,481	507	10,548	655
Oregon	726	26	2,509	110	5,659	546	8,894	682
Pennsylvania	3,225	119	4,266	248	10,399	912	17,890	1,279
Rhode Island	220	6	356	26	839	88	1,415	120
South Carolina	796	17	1,555	63	3,077	216	5,428	296
South Dakota	156	7	731	14	1,471	81	2,358	102
Tennessee	2,278	53	2,648	107	5,382	447	10,308	607
Texas	10,618	161	12,416	390	24,505	2,034	47,539	2,585
Utah	744	15	1,202	30	2,756	169	4,702	214
Vermont	228	6	368	19	948	82	1,544	107
Virginia	2,807	87	3,178	172	5,652	597	11,637	856
Washington	3,939	115	5,014	259	9,431	973	18,384	1,347
West Virginia	221	3	578	14	1,496	91	2,295	108
Wisconsin	1,238	19	2,280	92	6,845	531	10,363	642
Wyoming	171	6	597	22	1,322	130	2,090	158
U.S. CIVILIAN TOTAL	104,857	2,967	150,964	6,642	327,538	28,136	583,359	37,745
NASA	341	5	414	16	508	47	1,263	68
Military	89	-	42,303	2,995	8,989	741	51,381	3,736
International	7,472	77	3,834	87	3,534	202	14,840	366
TOTAL AIRMEN	112,759	3,049	197,515	9,740	340,569	29,126	650,843	41,915

*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, 1986



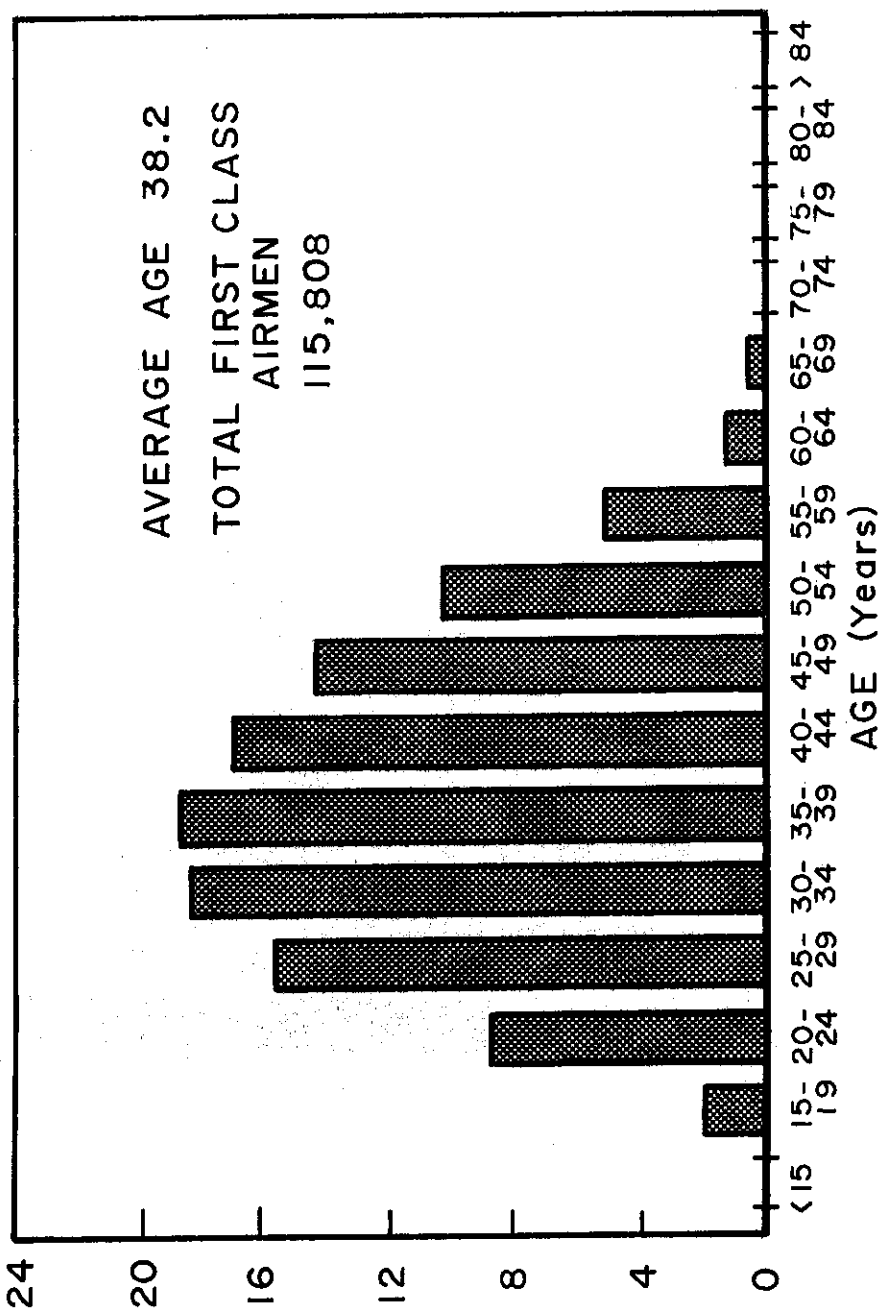
Brackets are indicative of age class intervals wherein magnitudes are not apparent on this scale. In such instances, the accompanying table (Table IV.G) should be consulted for frequencies.

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

Figure IV.D

AGE DISTRIBUTION OF MEDICALLY CERTIFIED FIRST CLASS AIRMEN

AIRMEN (000) As Of: December 31, 1986

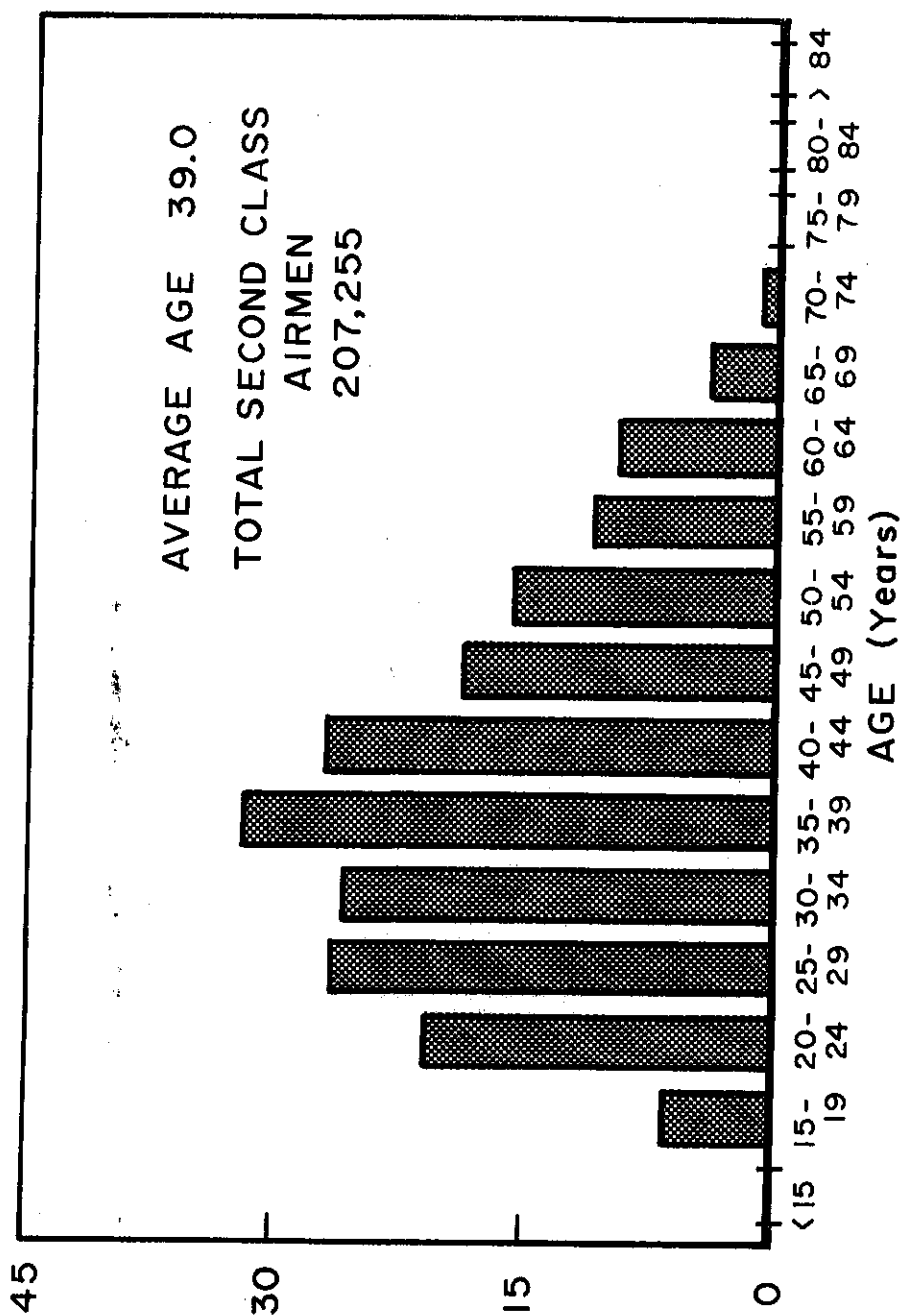


Brackets are indicative of age class intervals wherein magnitudes are not apparent on this scale. In such instances, the accompanying table (Table IV.G) should be consulted for frequencies.

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, 1986



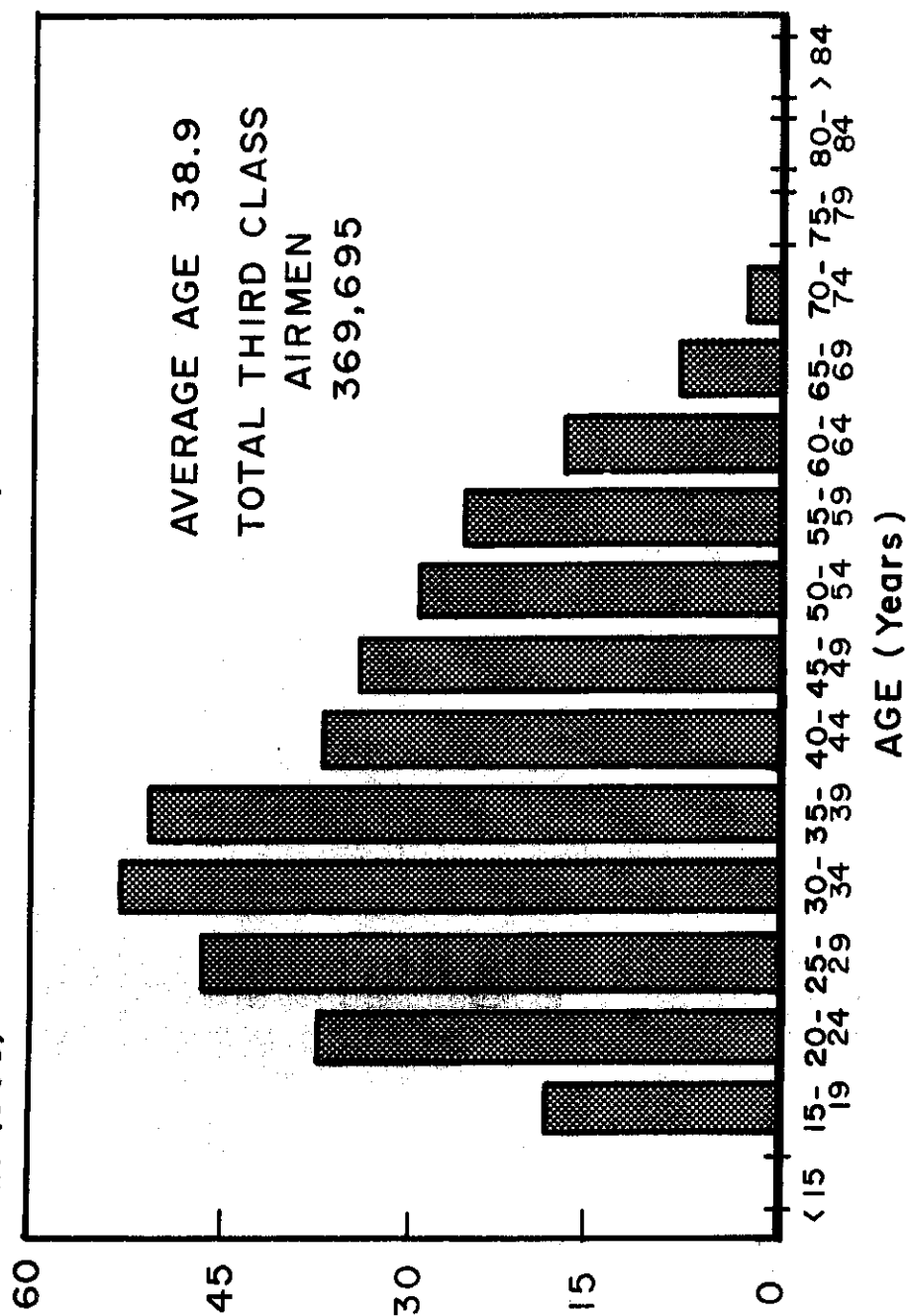
Brackets are indicative of age class intervals wherein magnitudes are not apparent on this scale. In such instances, the accompanying table (Table IV.G) should be consulted for frequencies.

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

AIRMEN (000) As Of: December 31, 1986



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.

Table IV.C

AGE DISTRIBUTION OF ACTIVE AIRMEN
BY CLASS AND SEX*
As of: December 31, 1986

Age	First Class		Second Class		Third Class		Total Airmen	
	Male	Female	Male	Female	Male	Female	Male	Female
Less than 15	3	2	9	-	63	10	75	12
15 - 19	2,261	258	5,823	912	16,479	2,164	24,563	3,334
20 - 24	8,295	655	19,020	2,272	32,963	3,459	60,278	6,386
25 - 29	15,110	789	25,597	1,866	42,417	4,542	83,124	7,197
30 - 34	18,102	715	25,255	1,306	48,467	4,809	91,824	6,830
35 - 39	18,894	318	31,633	1,054	46,411	4,641	96,938	6,013
40 - 44	16,850	161	26,726	765	39,743	3,435	83,319	4,361
45 - 49	14,494	73	19,219	515	31,716	2,321	65,429	2,909
50 - 54	10,383	35	16,198	366	28,092	1,650	54,673	2,051
55 - 59	5,554	24	11,587	333	25,713	1,160	42,854	1,517
60 - 64	1,989	13	10,127	202	16,916	610	29,032	825
65 - 69	683	3	4,651	99	7,949	237	13,283	339
70 - 74	116	3	1,359	41	2,800	65	4,275	109
75 - 79	22	-	245	7	661	20	928	27
80 - 84	3	-	59	2	149	3	211	5
85 and over	-	-	7	-	30	-	37	-
TOTAL	112,759	3,049	197,515	9,740	340,569	29,126	650,843	41,915
Average Age	38.4	29.3	39.4	32.2	39.2	35.3	39.1	34.1

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

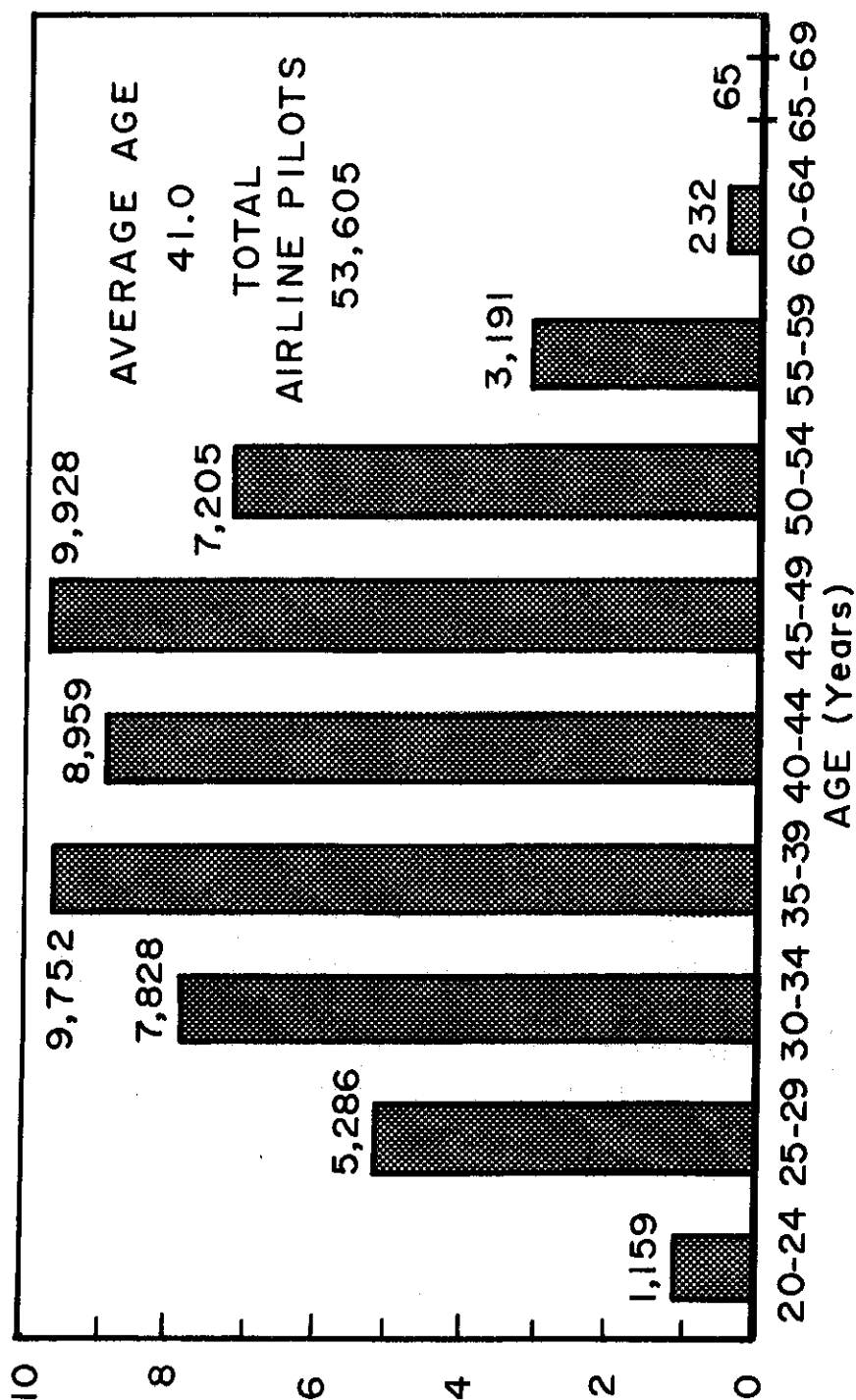
Source: Civil Aeromedical Institute, Aeromedical Certification Branch, Medical Statistical Section;
RIS: AC 8500-1, Aeromedical Certification Statistical Handbook Computer Run.

Figure IV.H

AGE DISTRIBUTION OF AIRLINE PILOTS

As Of: December 31, 1986

AIRMEN (000)



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

Table IV.I

AGE DISTRIBUTION OF AIRLINE PILOTS*
As of: December 31, 1986

Age Groups (1)	Airline Pilots (2)	Certified First Class Airmen** (3)	Airline Pilots (4)	Percent of Total Certified First Class Airmen (5)
20 - 24	1,159	8,950	2.2	7.9
25 - 29	5,286	15,899	9.9	14.1
30 - 34	7,828	18,817	14.6	16.6
35 - 39	9,752	19,212	18.2	17.0
40 - 44	8,959	17,011	16.7	15.0
45 - 49	9,928	14,567	18.5	12.9
50 - 54	7,205	10,418	13.4	9.2
55 - 59	3,191	5,578	6.0	4.9
SUBTOTAL	53,308	110,452		
60 - 64	232	2,002	0.4	1.8
65 - 69	65	686	0.1	0.6
TOTAL	53,605	113,140	100.0	100.0
Average Age	41.0	38.6		

*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 of 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 8500-2, Aeromedical Certification Statistical Handbook Computer Run.

Table IV.J

HEIGHT DISTRIBUTION OF ACTIVE AIRMEN
BY CLASS AND SEX*
As of: December 31, 1986

Height in Inches	First Class		Second Class		Third Class		Total Airmen	
	Male	Female	Male	Female	Male	Female	Male	Female
Less than 59	237	36	486	129	646	253	1,369	418
59	96	4	224	31	272	102	592	137
60	201	32	468	233	760	779	1,429	1,044
61	78	56	216	297	409	1,018	703	1,371
62	84	198	192	736	577	2,768	853	3,702
63	124	268	395	1,033	865	3,046	1,384	4,347
64	426	406	1,195	1,474	2,374	4,456	3,995	6,336
65	1,017	489	2,445	1,394	4,600	4,100	8,062	5,983
66	2,860	512	6,385	1,441	11,797	4,305	21,042	6,258
67	5,597	441	10,728	1,151	19,055	3,341	35,380	4,933
68	10,819	295	19,365	871	32,973	2,402	63,157	3,568
69	12,699	174	22,433	471	36,020	1,258	71,152	1,903
70	17,382	80	29,988	262	52,884	704	100,254	1,046
71	15,712	32	27,957	91	48,417	244	92,086	367
72	21,010	19	34,615	66	59,042	171	114,667	256
73	9,687	3	16,204	18	27,949	37	53,840	58
74	8,008	1	12,796	10	21,702	50	42,506	61
75	3,796	1	6,006	8	10,205	18	20,007	27
Over 75	2,926	2	5,417	24	10,022	74	18,365	100
TOTAL	112,759	3,049	197,515	9,740	340,569	29,126	650,843	41,915
Average Height	70.7	65.5	70.5	65.2	70.5	65.1	70.6	65.1

*Totals are based on active airmen certified within the past 25 months. Height, as reported by the airmen, 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.K

WEIGHT DISTRIBUTION OF ACTIVE AIRMEN
BY CLASS AND SEX*
As of: December 31, 1986

Weight in Pounds	First Class		Second Class		Third Class		Total Airmen	
	Male	Female	Male	Female	Male	Female	Male	Female
Less than 90	18	4			55	41	105	54
90 - 99	3	21	32	9	31	310	44	404
100 - 109	40	197	64	73	222	1,920	326	2,660
110 - 119	146	638	306	543	850	4,847	1,302	7,120
120 - 129	647	840	1,263	1,635	3,059	6,725	4,969	9,877
130 - 139	2,405	684	4,530	2,312	8,925	5,942	15,860	8,768
140 - 149	6,573	348	10,942	2,142	19,486	3,810	37,001	5,549
150 - 159	13,001	158	21,039	1,391	35,192	2,195	69,232	3,077
160 - 169	19,010	81	30,178	724	49,845	1,262	99,033	1,724
170 - 179	21,082	32	33,967	381	54,877	1,262	109,926	1,037
180 - 189	18,910	23	33,094	124	53,644	533	105,648	680
190 - 199	12,812	11	23,669	72	38,827	269	75,308	352
200 - 209	7,666	5	15,088	42	26,610	168	49,364	215
210 - 219	4,781	3	9,504	25	18,046	95	32,331	123
220 - 229	2,678	1	6,026	18	12,293	80	20,997	99
230 - 239	1,436	1	3,396	16	7,452	44	12,284	61
240 - 249	726	2	1,951	8	4,338	34	7,015	44
Over 249	825	-	2,456	11	6,817	60	10,098	71
TOTAL	112,759	3,049	197,515	9,740	340,569	29,126	650,843	41,915
Average Weight	178.7	130.1	180.8	134.4	182.0	135.0	181.1	134.5

*Totals are based on active airmen certified within the past 25 months. Weight, as reported by the airmen, 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.L

ACTIVE AIRMEN BY TYPE OF
FLYING AND CLASS*
As of: December 31, 1986

Class Issued	Type of Flying**				Business & Pleasure	
	Business	Percent	Pleasure	Percent	Pleasure	Percent
First	97,507	(14.1)	17,523	(2.5)	778	(0.1)
Second	77,055	(11.1)	126,386	(18.2)	3,814	(0.6)
Third	41,000	(5.9)	321,723	(46.5)	6,972	(1.0)
TOTAL	215,562	(31.1)	465,632	(67.2)	11,564	(1.7)

*Totals are based on active airmen certified within the past 25 months. Basis for percentage computations is also total active certified airmen (692,758).

**Based on response by airmen in Block 14 of FAA Form 8500-8. If type of flying was not given, it was classified as "pleasure".

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

ACTIVE AIRMEN BY OCCUPATION, CLASS AND SEX*
As of: December 31, 1986

Occupation Code	First Class		Second Class		Third Class		Total	
	Male	Female	Male	Female	Male	Female	Male	Female
1 - Pilot (Scheduled or Non-Scheduled Airline)	55,183	769	198	3	40	3	55,421	775
2 - Flight Engineer	1,371	29	2,680	12	15	1	4,066	42
3 - Flight Navigator/Flight Radio Operator	33	-	164	3	10	-	207	3
4 - Business or Executive Pilot	25,268	658	375	13	11	2	25,654	673
5 - Commercial Pilot (Self Employed)	49	-	3,879	116	21	-	3,949	116
6 - Commercial Pilot (Not Self Employed)	239	7	14,432	275	36	-	14,707	282
7 - Aero Application (Agriculture)	121	1	3,331	11	12	-	3,464	12
8 - Air Traffic Controllers**	458	31	17,812	2,814	125	31	18,395	2,876
9 - Flight Instructor	2,814	272	3,725	439	20	1	6,559	712
0 - Aircraft Mechanic & Fixed Base Operator	431	6	2,603	28	141	2	3,175	36
X - Not Given or Non-Aeronautical Occupation	26,792	1,276	148,316	6,026	340,138	29,086	515,246	36,388
TOTAL	112,759	3,049	197,515	9,740	340,569	29,126	650,843	41,915

*Totals are based on active airmen certified within the past 25 months. Occupation was based on response by the airmen 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.

**Includes military ATCs and civilian (FAA) ATCs who are also pilots and/or were issued a medical certificate.

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

Table IV.N

EMPLOYERS OF ACTIVE AIRMEN BY
CLASS OF CERTIFICATE ISSUED*
As of: December 31, 1986

Employer	First Class	Second Class	Third Class	Total	Major Percent of Total
Air California	347	11	-	358	
Air Hawaii	5	1	-	6	
Air Illinois	2	-	-	2	
Air Nevada	10	-	-	10	
Air Virginia	15	2	-	17	
Air Wisconsin	171	2	-	173	
Airlift Associates	13	3	-	16	
Alaska Airlines	463	25	-	488	
Allegheny Commuter Airlines	13	2	-	15	
Aloha Airlines	85	5	-	90	
American Airlines	4,889	839	3	5,731	
Aspen Airways	44	5	-	49	
Atlantic Airlines	65	1	-	66	
Bankair, Inc.	8	-	-	8	
Bar Harbor Airlines	107	5	-	112	
Big Sky Airlines	26	-	-	26	
Braniff Airlines	332	10	-	342	
Britt Airways	232	8	-	240	
Capitol International Airways	6	3	-	9	
Comair, Inc.	180	9	-	189	
Continental Airlines	2,156	26	2	2,184	
Delta Airlines	4,095	60	5	4,160	
Eastern Airlines	4,293	90	6	4,389	
Emery Air	4	-	-	4	
Florida Airlines	3	-	-	3	
Flying Tiger Lines	576	109	3	688	
Frontier Airlines	251	13	1	265	
Hawaiian Airlines	210	12	-	222	
Korean Airlines	282	117	-	399	
Las Vegas Airlines	2	-	-	2	
Metro Airlines	81	3	-	84	
Midstate Airlines	70	7	-	77	
Midway Airlines	210	10	-	220	
New York Air	298	4	-	302	
Northern Airlines	3	2	-	5	
Northwest Orient Airlines	3,217	37	4	3,258	
Ozark Air Lines	477	7	-	484	
Pacific Southwest Airlines	541	19	2	562	
Pan American World Airways	1,678	426	6	2,110	
Piedmont Aviation	1,765	39	2	1,806	

Table IV.N (Continued)

EMPLOYERS OF ACTIVE AIRMEN BY
CLASS OF CERTIFICATE ISSUED*
As of: December 31, 1986

Employer	First Class	Second Class	Third Class	Total	Major Percent of Total
Pioneer Airways	30	-	-	30	
Prinair	5	-	-	5	
Reeve Aleutian	8	3	-	11	
Republic Airlines	1,252	33	3	1,288	
South Central Air	5	1	-	6	
Southwest Airlines	529	13	1	543	
Trans America Airlines	199	108	-	307	
Trans International	5	1	-	6	
Trans World Airlines	2,880	185	6	3,071	
U. S. Air	1,606	85	-	1,691	
United Airlines	5,989	532	6	6,527	
Western Airlines	1,176	130	1	1,307	
World Airways	174	38	-	212	
Zantop Airways	193	25	-	218	
SUBTOTAL - ALL AIRLINES	41,276	3,066	51	44,393	(6.4)
Federal Aviation Administration	1,346	6,523	357	8,226	(1.2)
Government, other than Military or FAA, includes State and Local Government	738	1,377	8	2,123	(0.3)
Aircraft Industry	579	638	23	1,240	(0.2)
Industry, other than aircraft	6,840	2,745	15	9,600	(1.4)
Fixed Base Operation (flying schools, etc.)	3,350	6,589	78	10,017	(1.4)
Self Employed	4,202	7,385	61	11,648	(1.7)
Other	29,381	10,678	89	40,148	(5.8)
Not Applicable	24,308	136,919	368,587	529,814	(76.5)
Air Force	2,056	14,876	97	17,029	(2.4)
Army	530	7,015	17	7,562	(1.1)
Coast Guard	135	266	-	401	(0.1)
Marines and Navy	984	8,949	41	9,974	(1.4)
National Aeronautics and Space Administration	83	229	271	583	(0.1)
SUBTOTAL - ALL OTHERS	74,532	204,189	369,644	648,365	(93.6)
TOTAL	115,808	207,255	369,695	692,758	(100.0)

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

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, 1986, by class of medical certificate issued.

Table V.A

ACTIVE AIRMEN BY NUMBER OF RESTRICTIONS
CARRIED, CLASS AND SEX*
As of: December 31, 1986

Number of Restrictions	First Class		Second Class		Third Class		Total Airmen		Total Airmen	Total Restrictions
	Male	Female	Male	Female	Male	Female	Male	Female		
1	42,183	1,010	96,338	4,477	165,058	14,275	303,579	19,762	323,341	323,341
2	608	8	2,466	165	7,698	215	10,772	388	11,160	22,320
3	15	-	119	3	210	2	344	5	349	1,047
4	-	-	4	-	5	1	9	1	10	40
5	-	-	-	-	-	-	-	-	-	-
6	-	-	-	-	-	-	-	-	-	-
More than 6	-	-	-	-	-	-	-	-	-	-
Total Airmen	42,806	1,018	98,927	4,645	172,971	14,493	314,704	20,156	334,860	346,748

*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, 1986

Restriction	First Class		Second Class		Third Class		Total Airmen	
	Male	Female	Male	Female	Male	Female	Male	Female
Must Have Available Glasses for Near Vision	13,895	45	18,522	454	34,817	1,931	67,234	2,430
Must Wear Corrective Lenses	20,690	831	56,387	3,019	95,643	9,492	172,720	13,342
Must Wear Glasses for Near and Distant Vision	5,537	104	18,712	662	31,856	2,475	56,105	3,241
Must Wear Corrective Lenses for Distant Vision and Possess Glasses for Near Vision	2,223	35	3,560	165	4,686	436	10,469	636
Must Wear Prismatic Correction	4	-	19	1	21	2	44	3
Must Wear Corrective Lenses: Extra Pair Must be Available	44	4	251	15	200	19	495	38
Must Wear Hearing Aid	48	-	143	4	453	25	644	29
Must Wear Artificial Limb	25	-	76	-	184	3	285	3
Oxygen Required When Flying Above 7,999 Feet	-	-	-	-	1	-	1	-
Passenger Carrying Prohibited	2	-	1	1	6	-	9	1
Not Valid for Pilot in Command	3	-	24	-	6	-	33	-

Table V.B (Continued)

FREQUENCY OF RESTRICTIONS AMONG
ACTIVE AIRMEN BY CLASS AND SEX*
As of: December 31, 1986

Restriction	First Class		Second Class		Third Class		Total Airmen	
	Male	Female	Male	Female	Male	Female	Male	Female
Not Valid for Control Tower Operator Duties	5	-	18	1	29	-	52	1
Not Valid for Air Transport Duties	3	-	3	-	2	-	8	-
Not Valid for Night Flying or By Color Signal Control (Color Vision)	109	-	1,106	-	7,251	34	8,466	34
Not Valid for Night Flying (Glaucoma)	1	-	1	-	2	-	4	-
Not Valid for Flying Where Radio Use is Required	1	-	10	-	62	4	73	4
Valid for Flight Service Station or Center Duties Only	1	-	1	-	1	-	3	-
Valid for Flight Test Only	4	-	21	-	19	-	44	-
Second Class Privileges Limited to Crop Dusting	-	-	6	-	-	-	6	-
Second Class Privileges Limited to Flight Engineer Duties	2	-	34	-	-	-	36	-

Table V.B (Continued)

FREQUENCY OF RESTRICTIONS AMONG
ACTIVE AIRMEN BY CLASS AND SEX*

As of: December 31, 1986

Restriction	First Class		Second Class		Third Class		Total Airmen	
	Male	Female	Male	Female	Male	Female	Male	Female
Second Class Privileges Limited to Control Tower Operator Duties	-	-	5	-	-	-	5	-
Valid for and Limited to ATC Duties Only	11	-	286	49	43	6	340	55
Valid for ATC Duties - Center Only	-	-	27	2	3	-	30	2
Valid for Flight Service Station Duties Only	1	-	25	1	5	-	31	1
Limited to Military Controller Duties	2	-	841	413	9	1	852	414
Valid for Control Tower Duties When Second Controller on Duty	-	-	2	-	3	1	5	1
Valid Only When Accompanied by Another Qualified Pilot	1	-	8	1	2	-	11	1
Valid for Student Pilot Purposes Only	3	1	91	6	1,605	133	1,699	140

Table V.B (Continued)

FREQUENCY OF RESTRICTIONS AMONG
ACTIVE AIRMEN BY CLASS AND SEX*
As of: December 31, 1986

Restriction	First Class		Second Class		Third Class		Total Airmen	
	Male	Female	Male	Female	Male	Female	Male	Female
Time Limitation Restrictions	412	1	976	8	3,381	130	4,769	139
Special Issuance/Panel Restrictions	55	1	66	-	172	6	293	7
Miscellaneous Restrictions	270	4	421	14	641	17	1,332	35
ECG Due Before Airman's Next Examination (Computer Assigned)	92	-	-	-	1	-	93	-
TOTAL	43,444	1,026	101,643	4,816	181,104	14,715	326,191	20,557

*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, 1986

Class Issued	Frequency**			
	Male	Percent	Female	Percent
First	1,594	(1.4)	3	(0.1)
Second	4,565	(2.3)	3	(0.0+)
Third	11,887	(3.5)	46	(0.2)
TOTAL	18,046	(2.8)	52	(0.1)

*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. 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, 1986

Class Issued	Frequency**			
	Male	Percent	Female	Percent
First	8,671	(7.7)	302	(9.9)
Second	28,343	(14.3)	1,241	(12.7)
Third	16,546	(4.9)	518	(1.8)
TOTAL	53,560	(8.2)	2,061	(4.9)

*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.