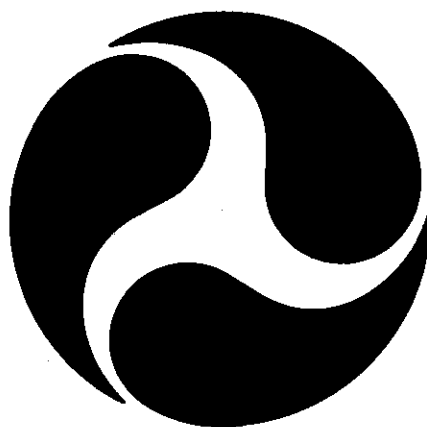


1983

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 1983 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
1982-1983

Region	Percent of 1983 Total*	Aviation Medical Examiners	
		1983	1982
Eastern	11.7	963	963
Central	9.4	775	748
Southern	16.1	1,328	1,319
Southwest	12.0	994	985
Western Pacific	9.1	740	791
Northwest Mountain	11.0	909	911
New England	3.3	268	254
Great Lakes	15.7	1,293	1,358
Alaskan	1.3	104	100
SUBTOTAL	89.6	7,374	7,429
Military**	6.5	536	533
International	3.9	322	317
TOTAL	100.0	8,232	8,279

*The basis for percentage computations is total designations as of the end of calendar year 1983, i.e., U.S. and International designations represent one physician for each designation; whereas, Military designations represent one facility for each designation.

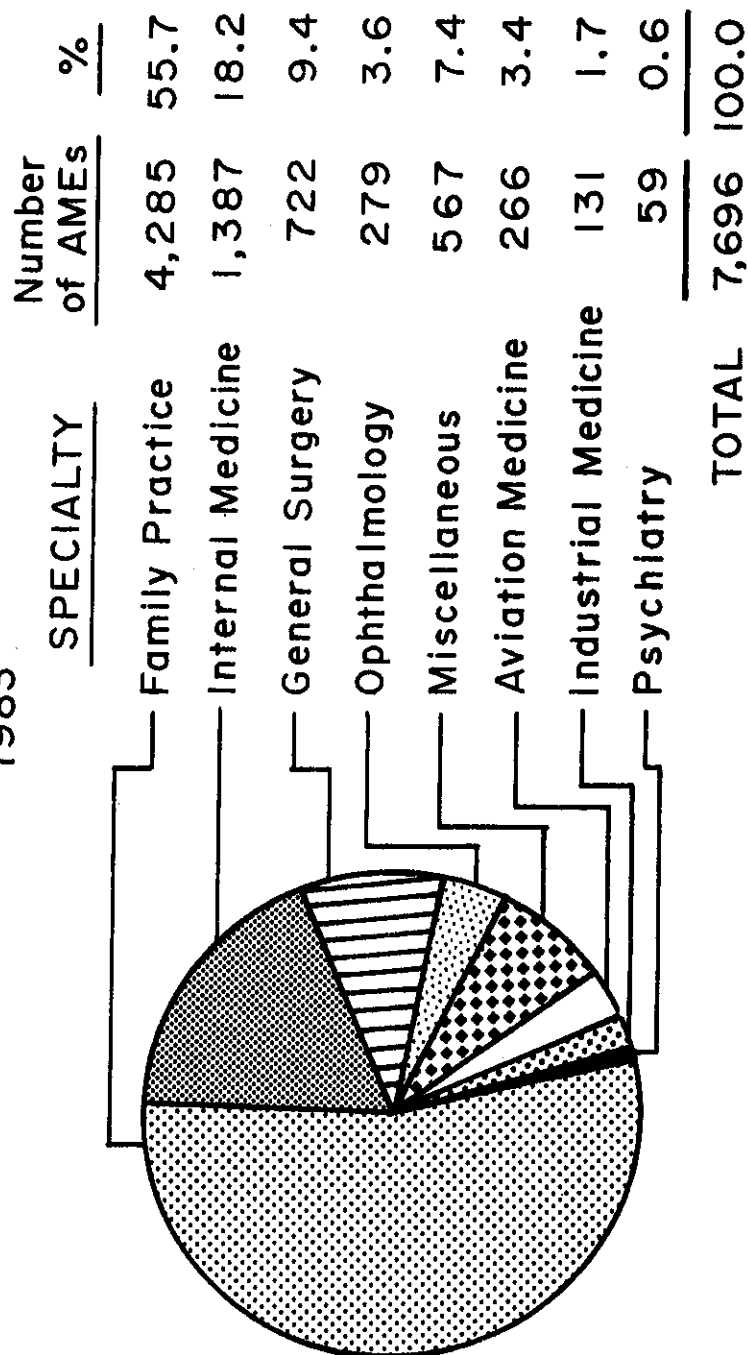
**Denotes military installation designations rather than individual physicians.

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

1983



*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
1983

Region	Active U.S. Civil Airman Population*	U.S. Non- Military AME Population**	Ratio AMEs To Airmen
Eastern	81,677	963	1:85
Central	38,553	775	1:50
Southern	99,192	1,328	1:75
Southwest	87,510	994	1:88
Western Pacific	112,102	740	1:151
Northwest Mountain	64,109	909	1:71
New England	29,579	268	1:110
Great Lakes	114,639	1,293	1:89
Alaskan	10,368	104	1:100
TOTAL	637,729	7,374	1:86

*Active U.S. Civil Airman Population figures are as of December 31, 1983;
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, 1984;
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

1983

Date	Location	Attendance
January 21 - 23	Myrtle Beach, South Carolina	46
February 11 - 13	Memphis, Tennessee	72
March 18 - 20	San Mateo, California	100
April 24 - 29	Oklahoma City, Oklahoma	51
May 13 - 15	Kansas City, Missouri	141
May 23 - 26	Houston, Texas	105
June 3 - 5	Jackson Hole, Wyoming	94
June 17 - 19	Austin, Texas	77
July 15 - 17	Washington, D.C.	135
July 29 - 31	Columbus, Ohio	96
August 19 - 21	Spokane, Washington	69
September 25 - 30	Oklahoma City, Oklahoma	60
October 7 - 9	Rochester, Minnesota	74
October 28 - 30	Hartford, Connecticut	125
November 4 - 6	Phoenix, Arizona	110
November 18 - 20	Fort Worth, Texas	100
December 2 - 4	Mobile, Alabama	68
TOTAL		1,523

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

Table I.E

AVIATION MEDICAL EXAMINER
SEMINARS AND ATTENDANCE
1960 - 1983

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
TOTAL	265	30,746

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

Table I.F

ACTIVE AVIATION MEDICAL EXAMINERS
SEMINAR ATTENDANCE BY REGION*
1983

Region	Total AMEs	One Seminar	More Than One Seminar	No Participation At Seminars
Eastern	963	220	687	56
Central	775	219	500	56
Southern	1,328	397	833	98
Southwest	994	228	716	50
Western Pacific	740	113	611	16
Northwest Mountain	909	268	591	50
New England	268	67	187	14
Great Lakes	1,293	333	908	52
Alaskan	104	29	68	7
International	322	79	70	173
TOTAL	7,696	1,953	5,171	572
Percent of Total	100.0	25.4	67.2	7.4

*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*
1983

A. Number of Designated U.S. Non-Military Aviation Medical Examiners	7,374
B. Number of Designated International Aviation Medical Examiners	322
C. Number of Designated Military Aviation Medical Examiners (Installations)	536
D. Ratio of U.S. Non-Military Aviation Medical Examiners to U.S. Civil Airmen	1:86
E. Percentage of Non-Military Aviation Medical Examiners Who Are Qualified Pilots	48.0%*
F. Percentage of Aviation Medical Examiners Who Were Military Flight Surgeons	19%*
G. Percentage of Non-Military Aviation Medical Examiners Who Participate in Accident Investigation	78.5%*
H. Percentage of Non-Military Aviation Medical Examiners Who Have Attended One Seminar	25.4%
I. Percentage of Non-Military Aviation Medical Examiners Who Have Attended More Than One Seminar	67.2%
J. Percentage of Non-Military Aviation Medical Examiners Who Have Not Attended A Seminar	7.4%
K. Total Number of Seminars Conducted in 1983	17
L. Total Attendance of Aviation Medical Examiners at Seminars Conducted in 1983	1,523

* 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.

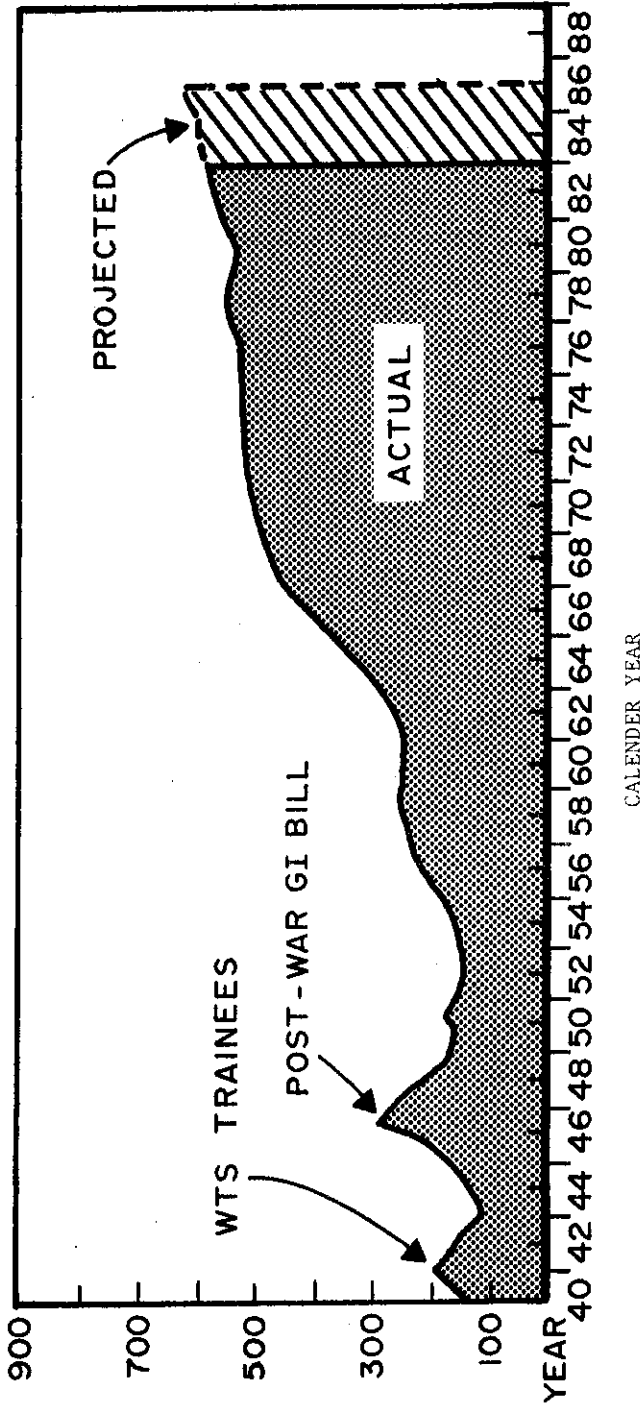
SECTION II

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
1940-1983 Projected to 1986*



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	497.0	516.9	537.6	
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	+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*
1960-1983

Calendar Year	Total	Percent of		Second Class	Percent of		Third Class	Percent of	
		First Class	Total		Total	Total		Total	Total
1960	237,509	33,964	14.3	84,715	35.7	118,830	50.0	50.0	
1961	237,311	33,936	14.3	84,644	35.7	118,731	50.0	50.0	
1962	254,142	36,342	14.3	90,647	35.7	127,153	50.0	50.0	
1963	271,764	38,862	14.3	96,933	35.7	135,969	50.0	50.0	
1964	294,734	42,147	14.3	105,126	35.7	147,461	50.0	50.0	
1965	330,617	52,006	15.7	109,600	33.2	169,011	51.1	51.1	
1966	387,537	73,903	19.1	124,593	32.1	189,041	48.8	48.8	
1967	427,596	80,474	18.8	143,458	33.6	203,664	47.6	47.6	
1968	465,929	87,408	18.8	173,139	37.2	205,382	44.0	44.0	
1969	478,700	90,666	18.9	178,699	37.3	209,335	43.8	43.8	
1970	487,700	94,419	19.4	189,276	38.8	204,005	41.8	41.8	
1971	493,145	91,478	18.5	204,853	41.5	196,814	40.0	40.0	
1972	494,700	86,573	17.5	205,597	41.6	202,530	40.9	40.9	
1973	521,700	93,384	17.9	220,679	42.3	207,637	39.8	39.8	
1974	515,400	91,741	17.8	214,922	41.7	208,737	40.5	40.5	
1975	519,200	91,379	17.6	224,814	43.3	203,007	39.1	39.1	
1976	542,159	93,793	17.3	230,418	42.5	217,948	40.2	40.2	
1977	550,243	97,393	17.7	230,552	41.9	222,298	40.4	40.4	
1978	565,534	105,755	18.7	228,476	40.4	231,303	40.9	40.9	
1979	550,188	111,138	20.2	212,373	38.6	226,677	41.2	41.2	
1980	529,051	118,507	22.4	197,865	37.4	212,679	40.2	40.2	
1981	529,418	128,649	24.3	183,708	34.7	217,061	41.0	41.0	
1982	463,241	110,714	23.9	155,186	33.5	197,341	42.6	42.6	
1983	477,905	114,219	23.9	171,090	35.8	192,596	40.3	40.3	

* 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 1983 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
1983

Month	Applications Received	Applications Coded for Computer Screening	Applications Screened by Computer*	Applications Requiring Manual Review**	Applications Intra-Agency Transmitted***
January	32,743	45,643	35,934	18,039	335
February	34,828	35,728	29,853	15,075	242
March	44,497	49,997	38,944	20,173	309
April	38,584	46,284	40,611	21,110	237
May	39,776	38,076	42,238	21,203	348
June	44,094	41,294	34,805	17,437	272
SUBTOTAL	234,522	257,022	222,385	113,037	1,743
July	44,600	35,300	27,051	13,584	308
August	44,366	38,266	51,156	25,988	295
September	40,942	51,842	56,725	28,703	246
October	42,605	44,205	53,426	27,140	194
November	30,646	37,546	38,868	19,550	194
December	40,224	33,524	43,485	21,873	187
SUBTOTAL	243,383	240,683	270,711	136,838	1,424
TOTAL	477,905	497,705	493,096	249,875	3,167

*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 50% of applications screened by computer.

***Figures include applications transmitted to the regions and to the Federal Air Surgeon for certification or review. Represents 0.7% of the applications received.

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

Table II.D

AEROMEDICAL CERTIFICATION BRANCH
CORRESPONDENCE SECTION ACTIVITY
1983

Activity	Frequency	Subtotal	Percent of Total
<u>Certification</u>			
Issued and Corrected Certificates	8,162		
Eligibility Letters	24,929		
Issued or Duplicate Waivers	6,976	40,067	43.2
<u>Further Action Necessary</u>			
Information Requested	35,425		
Medical Flight Test Authorization	4,274		
Case Summary for the Federal Air Surgeon	704	40,403	43.5
<u>Telegram Replies to Airmen/Agency Offices</u>	474	474	0.5
<u>Denial Letters</u>			
Mandatory/Final Denials	514		
Other Denials	1,724	2,238	2.4
<u>Miscellaneous Correspondence*</u>	9,603	9,603	10.4
TOTAL		92,785	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, 1983

Action	Time Lapse Since Date of Last Examination					Total
	<7 Month	<13 Month	<25 Month	Subtotal	25-36 Month	Over 36 Month
Certified						
First Class	52,014	31,390	15,331	98,735	9,079	N/A
Second Class	73,820	79,609	88,782	242,211	52,856	N/A
Third Class	100,673	90,385	183,854	374,912	117,777	N/A
SUBTOTAL	226,507	201,384	287,967	715,858	179,712	N/A
Non-Certified						
Pending	2,188	1,310	1,470	4,968	1,170	N/A
Denied	2,009	2,154	4,326	8,489	4,142	N/A
SUBTOTAL	4,197	3,464	5,796	13,457	5,312	N/A
Link*	N/A	N/A	N/A	N/A	N/A	366,313
TOTAL	230,704	204,848	293,763	729,315	185,024	366,313
EFFECTIVE STATUS TOTAL:						
	CLASS 1 =	52,014	CLASS 2 =	184,819	CLASS 3 =	479,025

*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
1981-1983

Activity	CY 1983	CY 1982	CY 1981
Applications for Medical Certification	477,905	463,241	529,418
New Applications for First Class Medical Certificates*	-	3,125	4,072
New Applications for Second Class Medical Certificates*	-	15,532	15,896
New Applications for Third Class Medical Certificates*	-	69,066	82,990
First Class Combined Student/Medical Certificates	2,549	2,995	3,909
Second Class Combined Student/Medical Certificates	10,999	12,920	15,391
Third Class Combined Student/Medical Certificates	119,017	126,364	147,279
Electrocardiograms Received for First Class Pilots	49,800	44,959	43,253
Incoming Correspondence**	72,794	74,576	79,030
Outgoing Correspondence	92,785	91,013	95,562
Applications Containing Medical or Clerical Problems	249,875	220,575	269,438
Number of Abnormalities Detected in Electrocardiograms***	9,960	8,902	8,651
Number of First Class Active Airmen with Pathology Records	20,204	20,233	20,354
Number of Second Class Active Airmen with Pathology Records	55,744	57,492	56,330
Number of Third Class Active Airmen with Pathology Records	59,463	58,457	59,742

*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 1982, 1,493 or 1.7% new applications were denied, 700 or 0.8% were pending, and 85,530 or 97.5% were issued for a total of 87,723 new applications.

Table II.F. (Continued)

MEDICAL CERTIFICATION ACTIVITY SUMMARY
1981-1983

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.

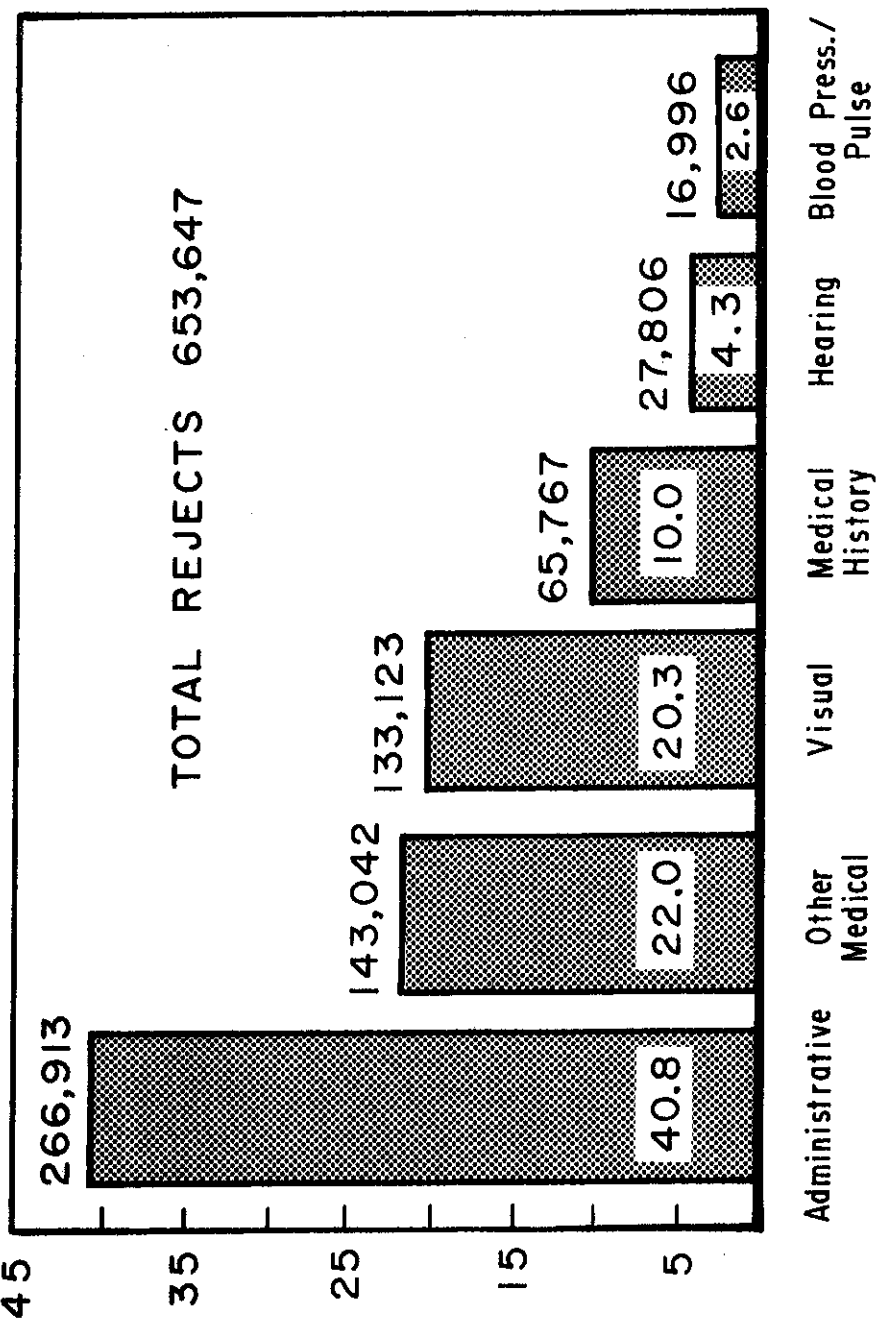
*** Increase due to more efficient detection of these abnormalities by an EKG technician working closely with AAC-130 EKG personnel and doctors.

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
1983



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

Table III.B

DISTRIBUTION OF CAUSES FOR REVIEW BY MAJOR AND MINOR CATEGORIES
1983

Reject	Major Category Totals	Percent	Minor Categories	Percent
<u>Administrative</u>	266,913	40.8		
AME Number Rejects			15,879	2.4
No Ticket Flag Set			52,332	8.0
Previous Exam Has No Ticket Flag			2,852	0.4
Previous Pending			575	0.1
Clerical Reject			10,389	1.6
Class Issued Higher Than Applied For			3,680	0.6
Airman Over 80 Years of Age			338	0.0+
First Class Over 60 Years of Age			2,656	0.4
Waiver Rejects			9,915	1.5
Re-Submit Exam to Computer			3,926	0.6
Date of ECG Rejects			15,886	2.4
No Match Between New and Previous Exams			5,086	0.8
Discrepancy in Name/DOB			23,904	3.7
Student/Medical Age Less than 16			347	0.0+
Discrepancy in Social Security Number			24,546	3.8
Other*			94,602	14.5
<u>Visual</u>	133,123	20.3		
Distant Vision			28,142	4.3
Near Vision			18,782	2.9
Intraocular Tension			12,733	2.0
Field of Vision			5,358	0.8
Color Vision			6,066	0.9
Variation in Distant Vision			25,732	3.9
Esophoria and Exophoria			17,942	2.7
Right or Left Hyperphoria			18,368	2.8
<u>Other Medical Conditions</u>	143,042	22.0		
Denied or Pending - Current Exam			13,000	2.0
Urinalysis			11,439	1.8
Pathology Codes			39,332	6.0
Abnormalities (Items 25-48)			18,626	2.9
Medication			36,006	5.5
Restrictions			24,639	3.8
<u>Medical History</u>	65,767	10.0		
Special Case			600	0.1
Medical History			51,353	7.9
Previous Exam on Tape Denied			2,046	0.3
Previous Exemption/Special Issuance Case			1,545	0.2
Input Exemption/Special Issuance Case			823	0.1
Follow-up Material Requested			7,134	1.1
Current Information with Previous Record			1,460	0.2
Previous Exam Sent to Washington or Region			806	0.1
<u>Hearing</u>	27,806	4.3		
Hearing			27,806	4.3
<u>Blood Pressure/Pulse</u>	16,996	2.6		
Blood Pressure			10,730	1.6
Pulse			6,266	1.0
TOTAL REJECT MESSAGES	653,647	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.

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
1961-1980

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
1977**	249	725	974
1978**	259	616	875
1979**	216	465	681
1980**	191	454	645
TOTAL	4,019	9,450	13,469

* Incomplete figures for January through March 1961.

** Figures for 1967-1980 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.

Note: 1981, 1982, and 1983 data are not available.

Table III.D

RECONSIDERATION ACTIONS BY THE
FEDERAL AIR SURGEON*
1980

Pathology	First Class	Second Class	Third Class	Modifications	Total
<u>Issued</u>					
Eye	4	5	14	-	23
Ear, Nose, Throat	-	-	1	-	1
Respiratory	-	-	2	-	2
Cardiovascular	11	25	26	2	64
Abdominal	-	3	5	2	10
Neurologic	9	7	28	2	46
Psychiatric	8	7	7	-	22
Bone/Joint	-	-	1	-	1
Muscles	-	-	-	-	-
Miscellaneous	3	5	13	1	22
TOTAL ISSUANCES	35	52	97	7	191
<u>Denied</u>					
Eye	-	7	47	-	54
Ear, Nose, Throat	-	-	-	-	-
Respiratory	-	3	12	-	15
Cardiovascular	17	54	142	1	214
Abdominal	-	-	10	-	10
Neurologic	17	32	58	1	108
Psychiatric	10	10	16	-	36
Bone/Joint	-	-	-	1	1
Muscles	-	-	-	-	-
Miscellaneous	-	4	9	-	13
SUBTOTAL	44	110	294	3	451
Denials for Failure to Provide Additional Information (67.31)	-	1	2	-	3
TOTAL DENIALS	44	111	296	3	454

* 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.

Note: 1981, 1982, and 1983 data are not available.

Table III.E
RECONSIDERATION ACTIONS BY THE
FEDERAL AIR SURGEON*
1963-1980

Pathology	First Class	Second Class	Third Class	Modifications	Total
<u>Issued</u>					
Eye	112	179	318	4	613
Ear, Nose, Throat	13	13	37	2	65
Respiratory	5	12	64	2	83
Cardiovascular	223	235	568	23	1,049
Abdominal	25	46	136	5	212
Neuropsychiatric	189	307	839	44	1,379
Bone/Joint	10	9	40	1	60
Muscles	1	2	8	-	11
Miscellaneous	26	67	187	8	288
TOTAL	604	870	2,197	89	3,760
<u>Denied</u>					
Eye	94	295	659	2	1,050
Ear, Nose, Throat	25	16	25	-	66
Respiratory	21	48	176	-	245
Cardiovascular	435	839	2,277	30	3,581
Abdominal	36	90	260	4	390
Neuropsychiatric	389	733	1,711	22	2,855
Bone/Joint	19	11	39	1	70
Muscles	2	4	15	-	21
Miscellaneous	52	99	306	7	464
SUBTOTAL	1,073	2,135	5,468	66	8,742
Denials for Failure to Provide Additional Information (67.31)	14	48	71	-	133
TOTAL DENIALS	1,087	2,183	5,539	66	8,875

* 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.

Note: 1981, 1982, and 1983 data are not available.

Table III.F
 PETITIONS GRANTED OR DENIED
 BY THE FAA*
 1980

Pathology	First Class	Second Class	Third Class	Total
<u>Granted</u>				
Eye	-	-	1	1
Ear, Nose, Throat	-	-	-	-
Respiratory	-	-	-	-
Cardiovascular	3	9	74	86
Abdominal	-	-	-	-
Neuropsychiatric	66	7	34	107
Bone/Joint	-	-	-	-
Muscles	-	-	-	-
Miscellaneous	-	-	3	3
TOTAL GRANTS	69	16	112	197
Modifications	N/A	N/A	N/A	49
<u>Denied</u>				
Eye	-	1	21	22
Ear, Nose, Throat	-	-	-	-
Respiratory	-	-	-	-
Cardiovascular	22	46	129	197
Abdominal	-	-	-	-
Neuropsychiatric	14	40	43	97
Bone/Joint	-	-	-	-
Muscles	-	-	-	-
Miscellaneous	4	4	20	28
TOTAL DENIALS	40	91	213	344
Denials for Failure to Provide Additional Information (67.31)	N/A	N/A	N/A	200
Modifications	N/A	N/A	N/A	34

* 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 the Federal Air Surgeon.

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

Note: 1981, 1982, and 1983 data are not available.

Table III.G

PETITIONS GRANTED OR DENIED
BY THE FAA*
1961-1980

Pathology	First Class	Second Class	Third Class	Total
<u>Granted</u>				
Eye	11	27	87	125
Ear, Nose, Throat	2	2	1	5
Respiratory	-	1	15	16
Cardiovascular	60	220	1,415	1,695
Abdominal	3	1	24	28
Neuropsychiatric	383	185	669	1,237
Bone/Joint	1	1	3	5
Muscles	-	-	-	-
Miscellaneous	2	6	15	23
TOTAL GRANTS	462	443	2,229	3,134
Modifications	N/A	N/A	N/A	408
<u>Denied</u>				
Eye	11	81	152	244
Ear, Nose, Throat	-	2	6	8
Respiratory	3	10	38	51
Cardiovascular	390	827	2,336	3,553
Abdominal	5	14	47	66
Neuropsychiatric	183	410	924	1,517
Bone/Joint	1	5	10	16
Muscles	-	-	2	2
Miscellaneous	17	29	157	203
TOTAL DENIALS	610	1,378	3,672	5,660
Denials for Failure to Provide Additional Information (67.31)	N/A	N/A	N/A	1,815
Modifications	N/A	N/A	N/A	323

* 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 the Federal Air Surgeon.

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

Note: 1981, 1982, and 1983 data are not available.

Table III.H
STATUS OF AIRMEN WHO HAVE BEEN
GRANTED EXEMPTIONS
1961-1980

Status of Airmen	Percent	Number of Airmen
Airmen Granted Exemptions*	100.0	3,015
Currently Active Airmen	33.3	1,005
Deceased	2.5	74
Grants Terminated: Adverse Change in Condition	13.5	407
No Longer Abide By Grants (Issued Under FAR 67.19)	2.1	64
For Various Personal Reasons Have Not Validated Their Grants	48.6	1,465

* Due to legal problems in 1980, the number of exemptions granted decreased to 205, compared to 316 exemptions granted in 1979. Although airmen may have been granted more than one exemption, they have only been counted once. There are 158 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.

Note: 1981, 1982, and 1983 data are not available.

Table III.I
Special Issuances and Denials*
As of: December 31, 1983

Category of Issuance/Denial	First Class	Second Class	Third Class	Total
<u>Issuances</u>				
NTSB Issuance	4	5	5	14
Special Issuance by AAC-130	124	11	124	259
Special Issuance by AAM-1	150	83	234	467
Special Issuance by RFS	1	-	3	4
<u>Denials</u>				
Final Denials by AAC-130	45	107	515	667
Final Denials by AAM-1	17	43	126	186
Final Denials by RFS	1	2	6	9

*Figures include those cases coded under special issuances or denials on active master file.

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, 1983, 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, 1983

Region	First Class			Second Class			Third Class			Total Active Airmen		
	Effective			Effective			Effective			Percent		
	Status (Class)**			Status (Class)**			Status (Class)**			Status (Class)**		
	Total Certified	1	2	Total Certified	1	2	Total Certified	1	2	Total Certified	1	2
Eastern	12,337	6,517	3,863	1,957	24,143	15,222	8,921	45,197	45,197	81,677	11.4	6,517
Central	3,336	1,856	1,035	445	10,780	6,371	3,809	24,437	24,437	38,553	5.4	1,856
Southern	18,033	9,818	5,636	2,579	30,667	19,512	11,155	50,492	50,492	99,192	13.9	9,818
Southwest	12,952	6,791	4,344	1,817	27,186	17,584	9,602	47,372	47,372	87,510	12.2	6,791
Western-Pacific	17,018	8,896	5,370	2,752	30,865	18,738	12,127	64,219	64,219	112,102	15.7	8,896
Northwest Mountain	8,794	4,676	2,865	1,253	19,455	12,332	7,123	35,860	35,860	64,109	9.0	4,676
New England	5,428	3,090	1,603	735	8,312	5,133	3,179	15,839	15,839	29,579	4.1	3,090
Great Lakes	12,928	6,956	4,247	1,725	30,872	19,712	11,160	70,839	70,839	114,639	16.0	6,956
Alaskan	1,267	637	472	158	3,671	2,441	1,230	5,430	5,430	10,368	1.4	637
U.S. TOTAL	92,093	49,237	29,435	13,421	185,951	117,645	68,306	359,685	359,685	637,729	89.1	49,237
Military***	67	29	23	15	51,764	33,187	18,577	10,769	10,769	62,600	8.7	29
Foreign	6,575	2,748	1,932	1,895	4,496	2,597	1,899	4,458	4,458	15,529	2.2	2,748
TOTAL	98,735	52,014	31,390	15,331	242,211	153,429	88,782	374,912	374,912	715,858	100.0	52,014
Percent of Total Certified Airmen (13.8)					(33.8)			(52.4)		(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, 1983

State	First Class		Second Class		Third Class		Total Airmen	
	Male	Female	Male	Female	Male	Female	Male	Female
Alabama	552	11	2,375	77	3,766	290	6,693	378
Alaska	1,241	25	3,418	207	4,809	587	9,468	819
Arizona	1,574	52	3,638	172	6,559	641	11,771	865
Arkansas	445	8	2,054	61	3,165	259	5,664	328
California	13,274	387	23,463	1,160	48,628	5,150	85,365	6,697
Colorado	3,171	76	4,666	251	6,670	711	14,507	1,038
Connecticut	2,141	53	2,099	116	3,599	310	7,839	479
Delaware	240	5	385	20	638	53	1,263	78
District of Columbia	46	6	152	13	267	45	465	64
Florida	8,646	226	12,263	561	17,239	1,773	38,148	2,560
Georgia	4,102	49	3,892	162	6,319	472	14,313	683
Hawaii	614	25	789	59	621	71	2,024	155
Idaho	303	1	1,270	51	2,646	227	4,219	279
Illinois	4,030	99	6,587	312	15,134	1,219	25,751	1,630
Indiana	1,135	32	3,277	159	7,170	493	11,582	684
Iowa	396	5	2,166	77	5,876	339	8,438	421
Kansas	1,026	19	3,322	134	6,192	533	10,540	686
Kentucky	500	14	1,361	54	2,950	235	4,811	303
Louisiana	1,408	23	3,514	148	4,473	325	9,395	496
Maine	312	11	898	57	1,833	139	3,043	207
Maryland	943	36	2,122	124	4,350	444	7,415	604
Massachusetts	1,359	50	2,864	179	5,875	559	10,098	788
Michigan	1,625	54	4,795	241	11,275	866	17,695	1,161
Minnesota	2,463	69	3,886	173	8,368	580	14,717	822
Mississippi	350	3	1,738	49	2,203	176	4,291	228
Missouri	1,547	31	3,308	143	6,861	576	11,716	750
Montana	300	7	1,392	39	2,700	236	4,392	282
Nebraska	296	9	1,588	38	3,793	262	5,677	309
Nevada	1,032	25	1,355	61	2,219	233	4,606	319
New Hampshire	1,116	20	1,052	67	1,501	168	3,669	255
New Jersey	2,782	45	3,637	158	6,970	582	13,389	785
New Mexico	378	13	1,539	82	2,643	243	4,560	338

Table IV.B (Continued)

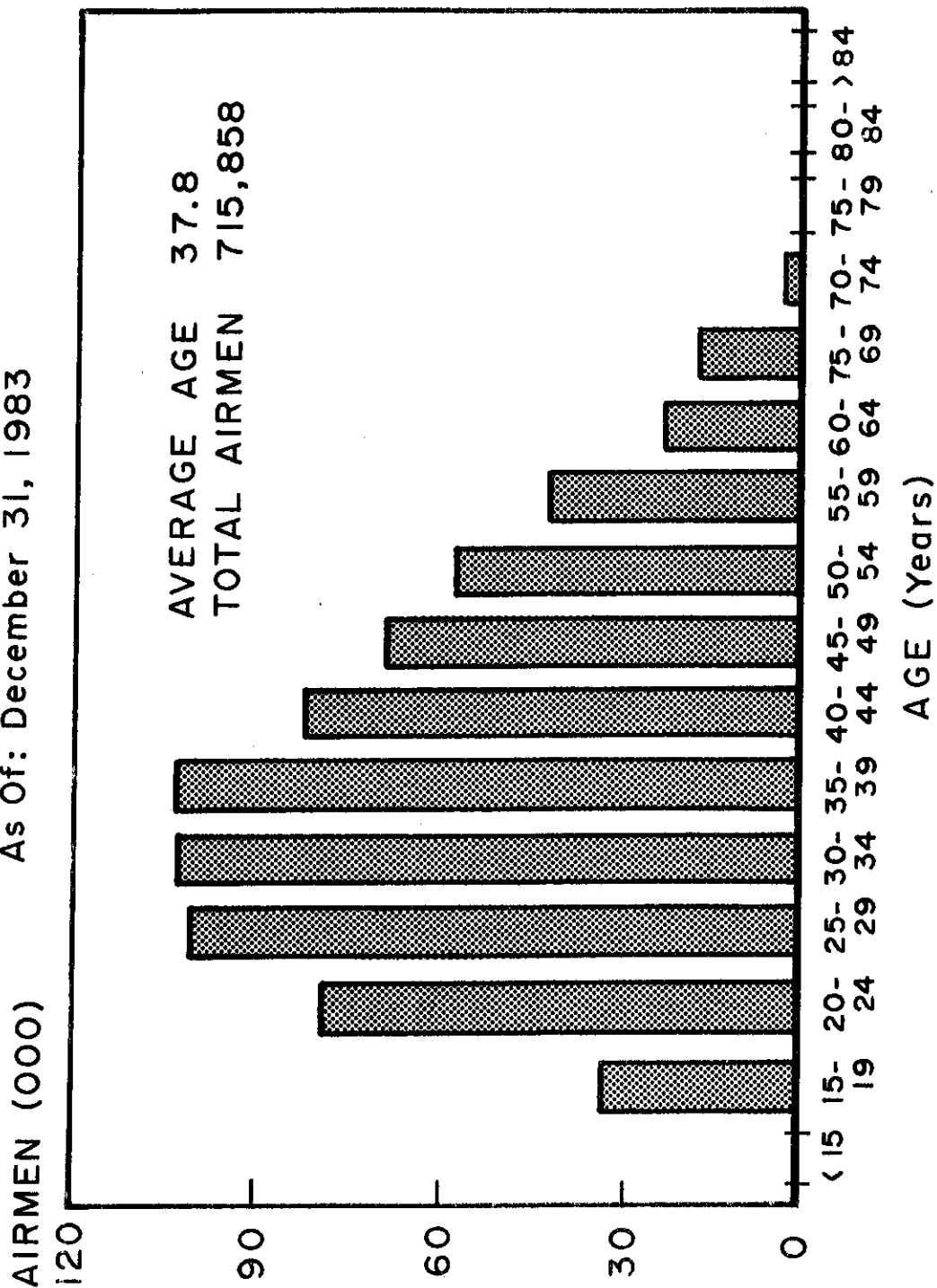
ACTIVE AIRMEN'S STATE OF RESIDENCE
BY SEX AND CLASS OF CERTIFICATE ISSUED*
As of: December 31, 1983

State	First Class		Second Class		Third Class		Total Airmen	
	Male	Female	Male	Female	Male	Female	Male	Female
New York	3,028	93	7,069	344	12,058	995	22,155	1,432
North Carolina	1,367	27	3,095	99	5,933	440	10,395	566
North Dakota	182	6	1,020	26	2,004	138	3,206	170
Ohio	2,023	47	6,261	271	12,883	1,076	21,167	1,394
Oklahoma	1,048	26	3,743	148	7,171	601	11,962	775
Oregon	631	15	3,088	139	6,312	611	10,031	765
Pennsylvania	2,687	75	4,909	248	10,288	858	17,884	1,181
Rhode Island	184	-	413	21	787	55	1,384	76
South Carolina	526	11	1,677	61	2,756	196	4,959	268
South Dakota	116	3	857	21	1,735	110	2,708	134
Tennessee	1,568	41	2,859	125	5,198	408	9,625	574
Texas	9,438	117	15,132	587	25,984	2,354	50,554	3,058
Utah	635	12	1,497	44	2,792	190	4,924	246
Vermont	171	6	399	28	887	86	1,457	120
Virginia	2,024	48	3,797	222	5,259	562	11,080	832
Washington	3,332	93	5,911	305	9,891	1,020	19,134	1,418
West Virginia	239	1	762	23	1,604	98	2,605	122
Wisconsin	1,012	24	2,767	110	7,192	560	10,971	694
Wyoming	201	5	725	29	1,692	150	2,618	184
U. S. Civilian - TOTAL	89,759	2,139	176,846	8,056	329,738	29,305	596,343	39,500
Military and NASA	454	9	49,876	2,837	10,674	801	61,004	3,647
International	6,325	49	4,481	115	4,116	278	14,922	442
TOTAL AIRMEN	96,538	2,197	231,203	11,008	344,528	30,384	672,269	43,589

*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, 1983



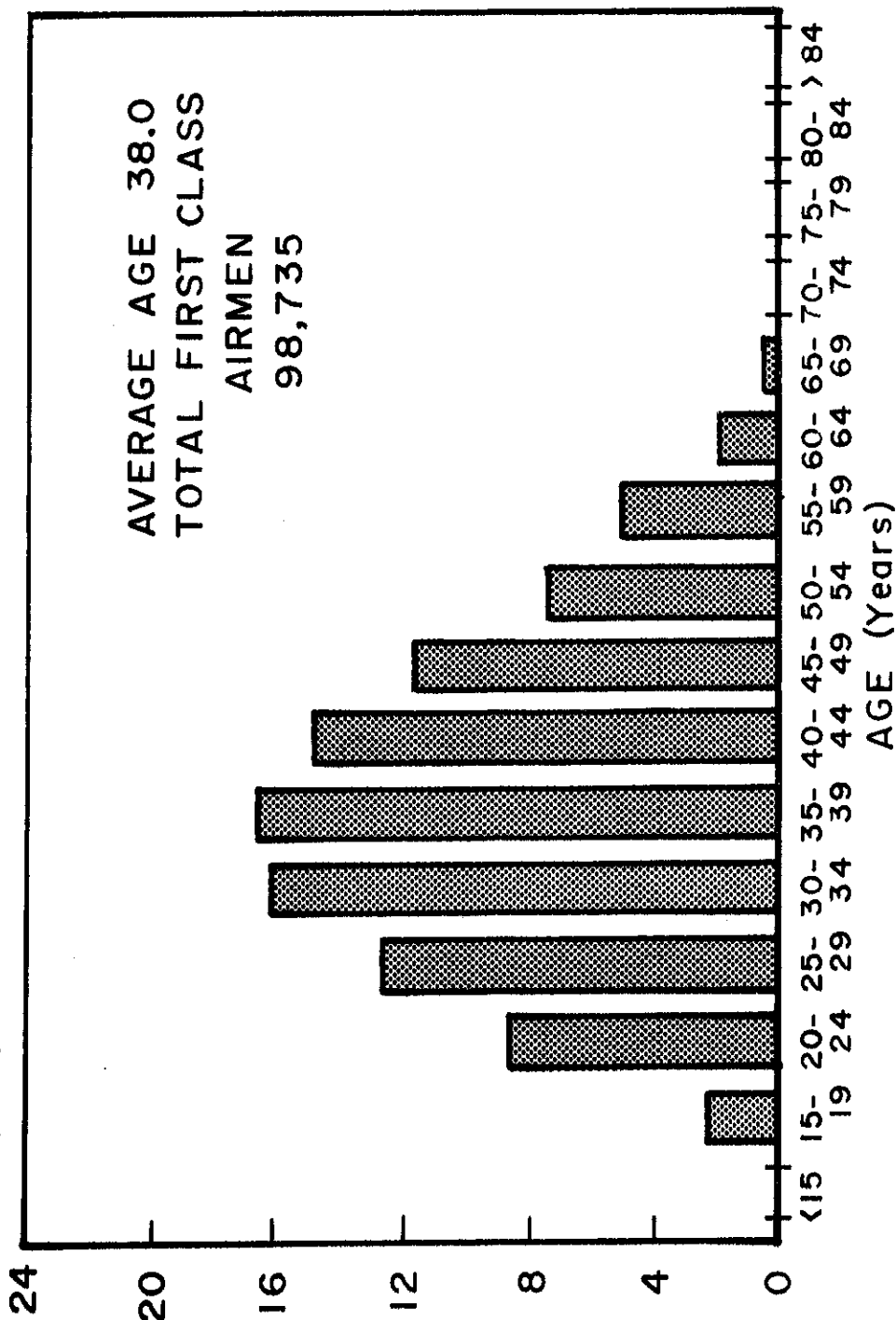
Brackets are indicative of age class intervals wherein magnitudes are not apparent on this scale. In such instances, the accompanying table (Table IV.G) should be consulted for frequencies.

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

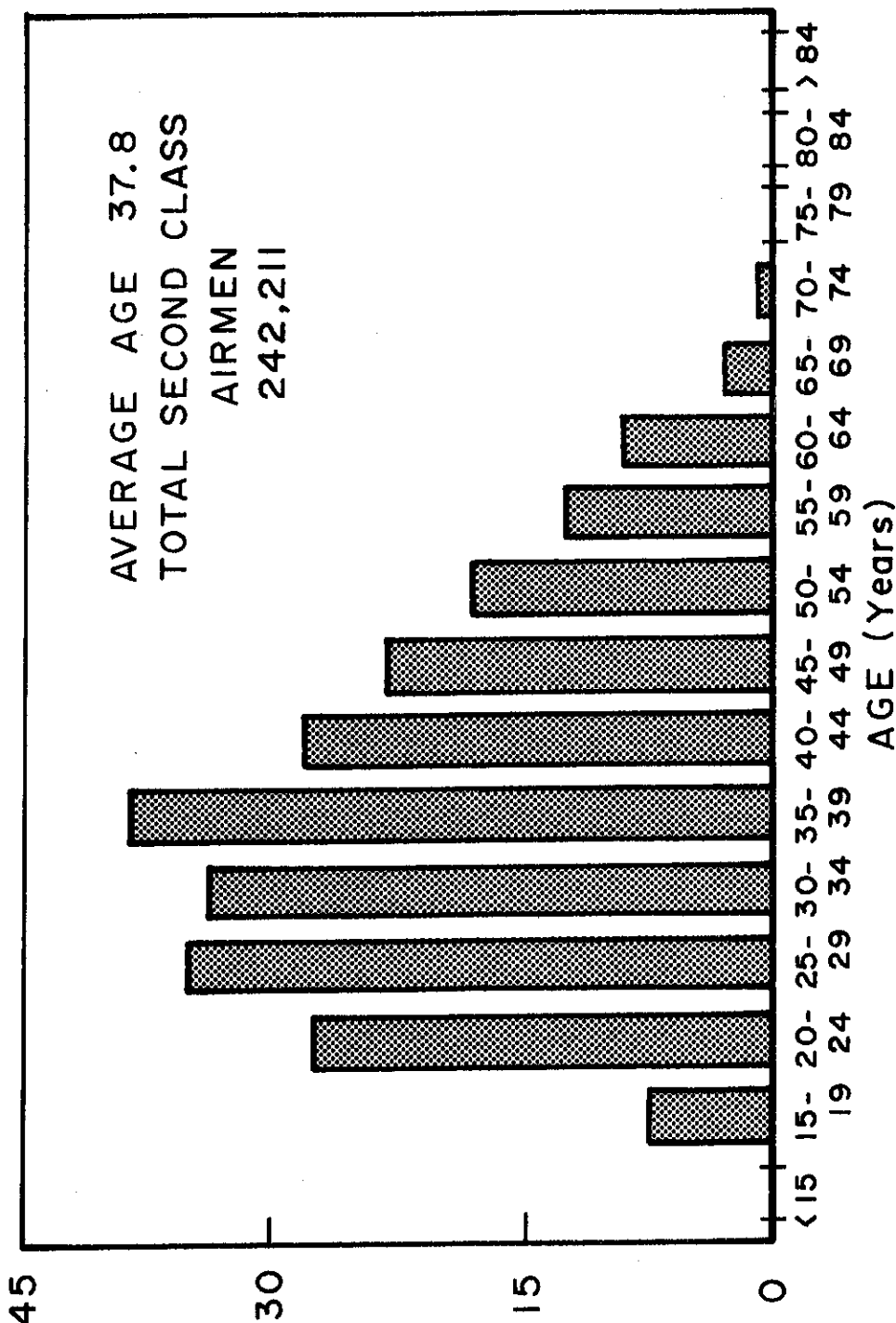
AIRMEN (000) As Of: December 31, 1983



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.

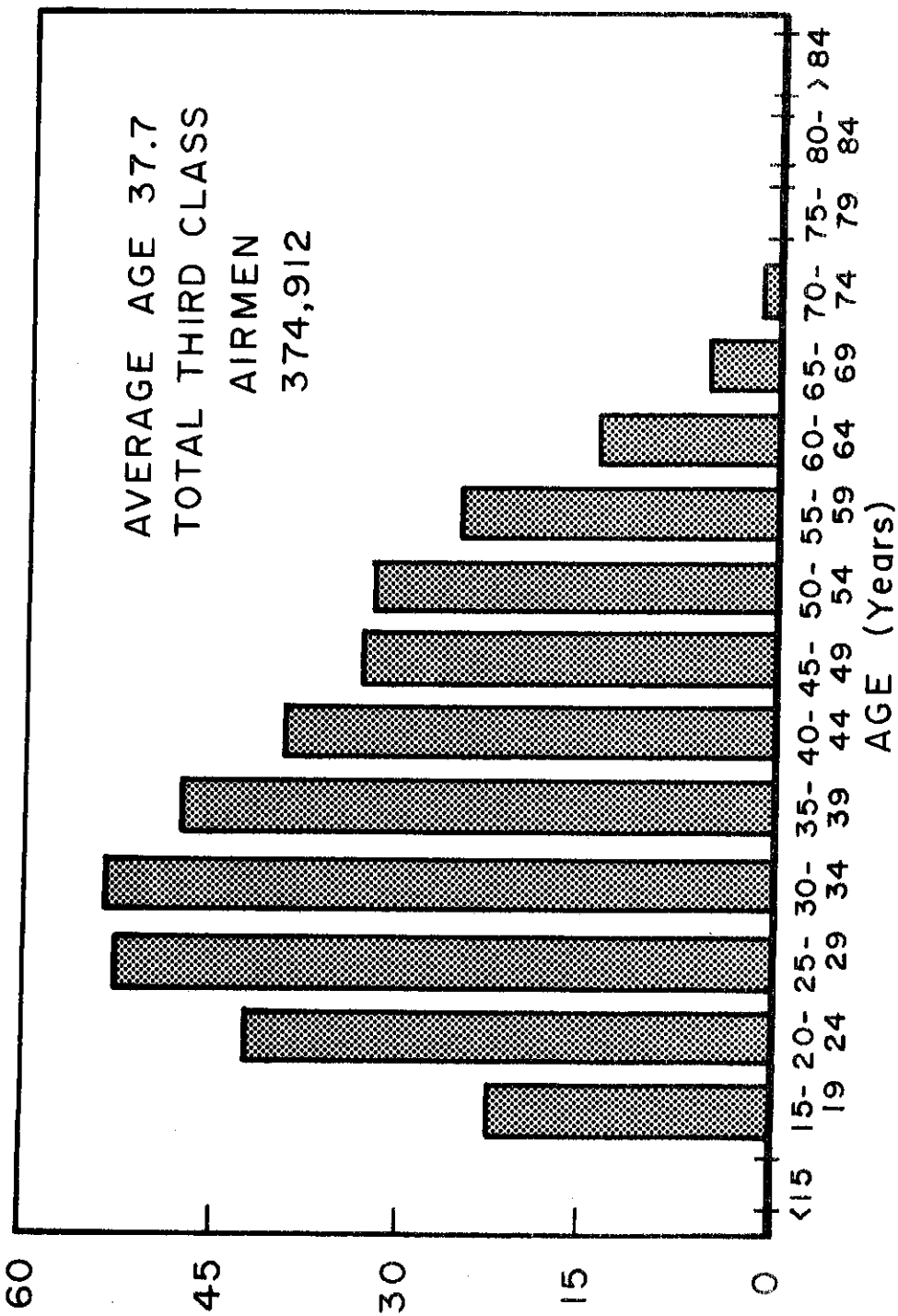
Figure IV.E
AGE DISTRIBUTION OF MEDICALLY CERTIFIED SECOND CLASS AIRMEN
As Of: December 31, 1983



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, 1983



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.G

AGE DISTRIBUTION OF ACTIVE AIRMEN
BY CLASS AND SEX*
As of: December 31, 1983

Age	First Class		Second Class		Third Class		Total Airmen	
	Male	Female	Male	Female	Male	Female	Male	Female
Less than 15	4	-	22	4	80	18	106	22
15-19	2,126	181	7,261	877	19,552	2,523	28,939	3,581
20-24	8,107	547	25,374	2,674	38,908	4,086	72,389	7,307
25-29	12,219	622	32,504	2,417	47,966	5,270	92,689	8,309
30-34	15,705	439	32,422	1,573	48,342	5,141	96,469	7,153
35-39	15,982	184	37,756	1,134	44,272	4,498	98,010	5,816
40-44	14,860	118	27,739	730	36,807	3,097	79,406	3,945
45-49	11,907	40	23,297	499	31,646	2,148	66,850	2,687
50-54	7,791	27	17,886	467	30,988	1,791	56,665	2,285
55-59	5,287	20	12,822	331	24,420	1,102	42,529	1,453
60-64	2,044	11	9,747	198	13,464	506	25,255	715
65-69	409	5	3,249	72	5,656	147	9,314	224
70-74	83	3	873	24	1,824	47	2,780	74
75-79	14	-	203	7	472	5	689	12
80-84	-	-	39	1	109	4	148	5
85 and over	-	-	9	-	22	1	31	1
TOTAL	96,538	2,197	231,203	11,008	344,528	30,384	672,269	43,589
Average Age	38.2	28.8	38.1	31.6	38.0	34.2	38.1	33.3

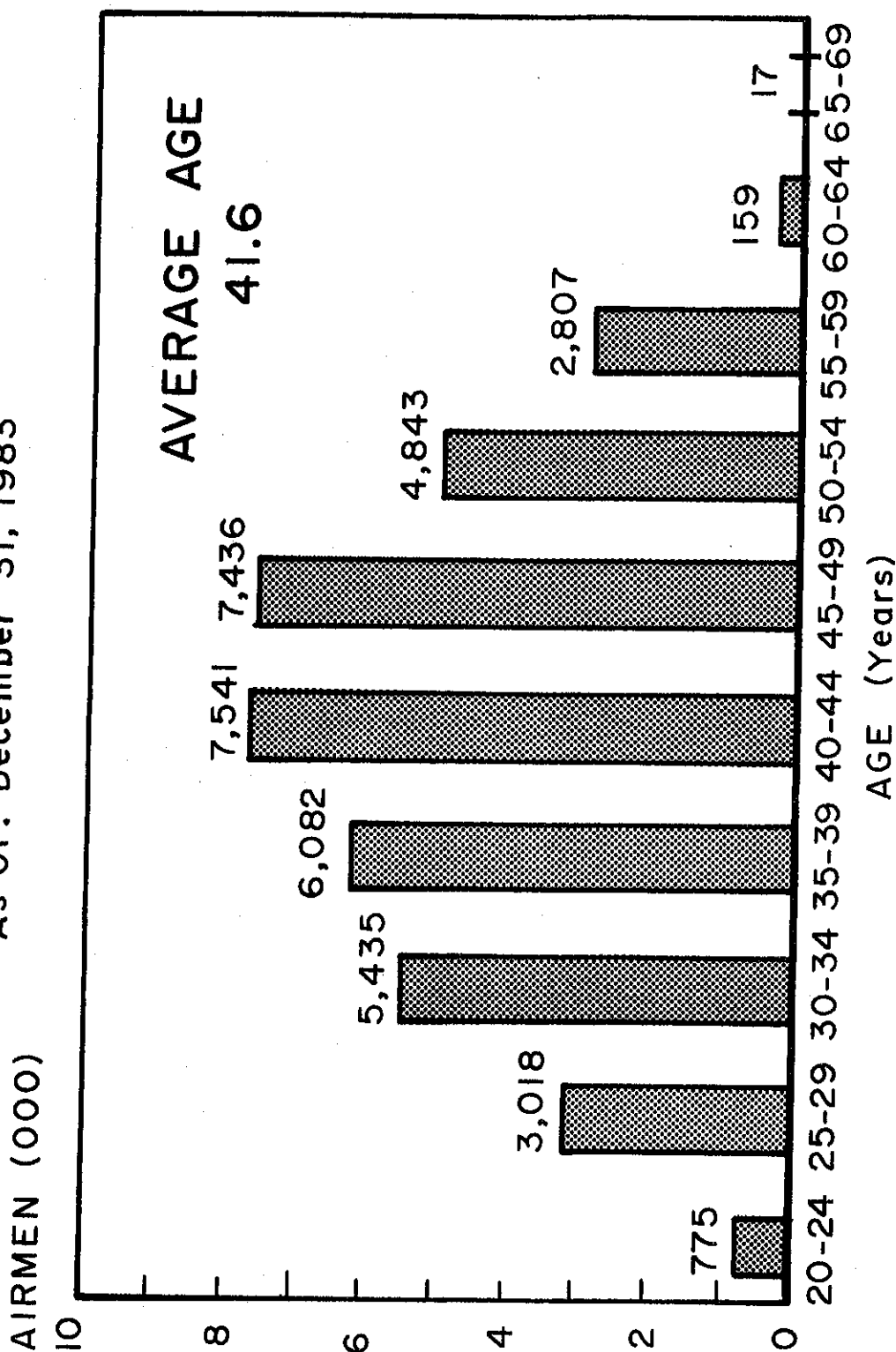
*Totals are based on active certified airmen within the past 25 months.

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, 1983



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, 1983

Age Groups (1)	Airline Pilots (2)	Certified First Class Airmen** (3)	Airline Pilots (4)	Percent of Total Certified First Class Airmen (5)
20 - 24	775	8,654	2.0	9.0
25 - 29	3,018	12,841	7.9	13.3
30 - 34	5,435	16,144	14.3	16.8
35 - 39	6,082	16,166	16.0	16.8
40 - 44	7,541	14,978	19.8	15.6
45 - 49	7,436	11,947	19.5	12.4
50 - 54	4,843	7,818	12.7	8.1
55 - 59	2,807	5,307	7.4	5.5
60 - 64	159	2,055	0.4	2.1
65 - 69	17	414	0.0+	0.4
TOTAL	38,113	96,324	100.0	100.0
Average Age	41.6	38.0		

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

Table IV.J

AGE DISTRIBUTION OF AIR TRAFFIC CONTROL SPECIALISTS*
As of: December 31, 1983

AGE	FAA ATCS	OTHER ATCS
Less than 20	55	2,045
20 - 24	1,504	3,516
25 - 29	3,589	3,198
30 - 34	2,432	1,898
35 - 39	2,406	1,225
40 - 44	1,734	475
45 - 49	2,402	356
50 - 54	1,440	188
55 - 59	340	48
60 - 64	153	23
65 - 69	12	7
Over 69	-	-
TOTAL	16,067	12,979
Percent of all Certified Second Class Airmen	6.7	5.4
Average Age	36.6	27.6

*Issued medical certificates within the past 13 months. Includes FAA and military air traffic controllers at centers, towers, and flight service stations.

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

Table IV.K

AIR TRAFFIC CONTROL SPECIALISTS
 BY CLASS OF CERTIFICATE APPLIED FOR
 As of: December 31, 1983

Class Applied For	ATCS
ATC -- Civilian and FAA	11,800
ATC -- Military	11,714
Commercial Pilot and ATC	2,671
Private or Student Pilot and ATC	2,325
TOTAL	28,510

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, 1983

Height in Inches	First Class		Second Class		Third Class		Total Airmen	
	Male	Female	Male	Female	Male	Female	Male	Female
Less than 59	178	27	570	126	600	204	1,348	357
59	65	2	203	40	204	105	472	147
60	155	37	528	262	678	848	1,361	1,147
61	61	54	222	370	465	1,078	748	1,502
62	80	170	298	903	660	2,995	1,038	4,068
63	140	197	421	1,149	990	3,294	1,551	4,640
64	402	314	1,437	1,683	2,462	4,572	4,301	6,569
65	885	318	2,864	1,540	4,741	4,348	8,490	6,206
66	2,409	351	7,660	1,701	11,946	4,529	22,015	6,581
67	4,782	313	12,811	1,274	19,426	3,490	37,019	5,077
68	9,341	207	22,836	943	33,666	2,441	65,843	3,591
69	11,084	103	26,202	541	36,637	1,269	73,923	1,913
70	14,794	55	35,209	251	53,422	676	103,425	982
71	13,542	23	32,589	108	49,609	251	95,740	382
72	18,003	15	40,891	69	59,161	153	118,055	237
73	8,261	4	18,702	16	28,367	31	55,330	51
74	6,803	4	14,759	16	21,667	32	43,229	52
75	3,180	-	6,992	5	10,123	14	20,295	19
Over 75	2,373	3	6,009	11	9,704	54	18,086	68
TOTAL	96,538	2,197	231,203	11,008	344,528	30,384	672,269	43,589
Average Height	70.7	65.4	70.5	65.1	70.5	65.0	70.5	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.M

WEIGHT DISTRIBUTION OF ACTIVE AIRMEN
BY CLASS AND SEX*

As of: December 31, 1983

Weight in Pounds	First Class		Second Class		Third Class		Total Airmen	
	Male	Female	Male	Female	Male	Female	Male	Female
Less than 90	32	1	76	14	124	50	232	65
90 - 99	4	13	10	110	36	363	50	486
100 - 109	36	183	112	715	272	2,222	420	3,120
110 - 119	153	522	453	1,881	1,093	5,588	1,699	7,991
120 - 129	622	627	1,773	2,648	3,553	7,327	5,948	10,602
130 - 139	2,312	453	5,963	2,376	10,151	6,193	18,426	9,022
140 - 149	5,924	221	13,826	1,476	21,367	3,625	41,117	5,322
150 - 159	11,809	87	26,160	775	37,784	1,961	75,753	2,823
160 - 169	16,755	46	36,228	414	51,851	1,227	104,834	1,687
170 - 179	18,465	16	40,354	222	57,296	687	116,115	925
180 - 189	16,037	13	37,943	140	53,277	486	107,257	639
190 - 199	10,503	8	26,598	76	38,254	264	75,355	348
200 - 209	6,062	3	16,795	52	24,985	143	47,842	198
210 - 219	3,719	2	10,533	23	17,002	82	31,254	107
220 - 229	2,015	1	6,503	27	11,325	58	19,843	86
230 - 239	1,038	-	3,486	18	6,532	40	11,056	58
240 - 249	530	1	1,931	14	3,934	29	6,395	44
Over 249	522	-	2,459	27	5,692	39	8,673	66
TOTAL	96,538	2,197	231,203	11,008	344,528	30,384	672,269	43,589
Average Weight	177.3	128.1	179.5	133.8	180.3	133.2	179.6	133.1

*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.N

ACTIVE AIRMEN BY TYPE OF
FLYING AND CLASS*
As of: December 31, 1983

Class Issued	Type of Flying**				Business & Pleasure	
	Business	Percent	Pleasure	Percent	Pleasure	Percent
First	81,754	(11.4)	15,154	(2.1)	1,827	(0.3)
Second	77,838	(10.9)	153,030	(21.4)	11,343	(1.6)
Third	36,115	(5.0)	320,733	(44.8)	18,064	(2.5)
TOTAL	195,707	(27.3)	488,917	(68.3)	31,234	(4.4)

*Totals are based on active airmen certified within the past 25 months. Basis for percentage computations is also total active certified airmen (715,858).

**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.

Table IV.0

ACTIVE AIRMEN BY OCCUPATION, CLASS AND SEX*
As of: December 31, 1983

Occupation Code	First Class		Second Class		Third Class		Total	
	Male	Female	Male	Female	Male	Female	Male	Female
1 - Pilot (Scheduled or Non-Scheduled Airline)	40,683	307	203	3	40	1	40,926	311
2 - Flight Engineer	5,406	20	2,890	5	12	-	8,308	25
3 - Flight Navigator/Flight Radio Operator	24	-	231	1	2	-	257	1
4 - Business or Executive Pilot	24,325	504	340	2	21	-	24,686	506
5 - Commercial Pilot (Self Employed)	42	2	4,098	98	13	1	4,153	101
6 - Commercial Pilot (Not Self Employed)	179	1	15,226	276	44	-	15,449	277
7 - Aero Application (Agriculture)	109	1	3,810	16	13	-	3,932	17
8 - Air Traffic Controllers	579	34	30,743	3,681	162	22	31,484	3,737
9 - Flight Instructor	2,716	290	4,567	503	7	3	7,290	796
0 - Aircraft Mechanic & Fixed Base Operator	296	5	2,663	29	79	-	3,038	34
X - Not Given or Non-Aeronautical Occupation	22,179	1,033	166,432	6,394	344,135	30,357	532,746	37,784
TOTAL	96,538	2,197	231,203	11,008	344,528	30,384	672,269	43,589

*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.

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, 1983

Employer	First Class	Second Class	Third Class	TOTAL	Major Percent of Total
Air California	24	2	-	26	
Air Florida	16	-	-	16	
Air Illinois	6	-	-	6	
Air Virginia	5	-	-	5	
Air Wisconsin	7	-	-	7	
Airlift International	22	7	-	29	
Alaska Airlines	267	29	-	296	
Allegheny Airlines	148	7	-	155	
Aloha Airlines	59	5	-	64	
American Airlines	3,464	576	3	4,043	
Aspen Airways	20	4	-	24	
Braniff Airlines	201	8	-	209	
Britt Airways	7	-	-	7	
Capitol International Airways	110	56	-	166	
Comair, Inc.	8	-	-	8	
Continental Air Lines	1,532	94	1	1,627	
Delta Airlines	3,931	62	1	3,994	
Eastern Air Lines	3,987	125	3	4,115	
Emery Air	9	-	-	9	
Flying Tiger Lines	607	118	-	725	
Frontier Airlines	500	73	-	573	
Hawaiian Airlines	19	-	-	19	
Imperial Air	10	-	-	10	
Korea Airlines	28	1	-	29	
Metro Airlines	9	-	-	9	
Midstate Airlines	7	-	-	7	
Midway Airlines	5	-	-	5	
Mississippi Valley Airlines	7	-	-	7	
New York Airways	35	4	-	39	
Northwest Orient Airlines	1,498	22	-	1,520	
Ozark Air Lines	439	9	1	449	
Pacific Southwest Airlines	462	26	-	488	
Pan American World Airways	2,059	592	4	2,655	
Piedmont Aviation	874	25	4	903	
Reeve Aleutian Airways	13	2	-	15	
Republic Airlines West	127	2	1	130	
Southwest Airlines	46	-	-	46	
Texas International Airlines	15	4	-	19	
Trans International	5	-	-	5	
Trans World Airlines	2,697	304	2	3,003	
Transamerica Airlines	24	5	-	29	
U. S. Air	141	6	-	147	
United Airlines	4,741	334	3	5,078	
Western Airlines	1,178	152	1	1,331	
Wien Air Alaska	122	6	1	129	
World Airways	170	35	-	205	
Zantop Airways	11	1	-	12	
SUBTOTAL - ALL AIRLINES	29,672	2,696	25	32,393	(4.5)

Table IV.P (Continued)

EMPLOYERS OF ACTIVE AIRMEN BY
CLASS OF CERTIFICATE ISSUED*
As of: December 31, 1983

Employer	First Class	Second Class	Third Class	TOTAL	Major Percent of Total
Federal Aviation Administration	1,660	20,165	346	22,171	(3.1)
Government, other than Military or FAA, includes State and Local Government	669	1,293	4	1,966	(0.3)
Aircraft Industry	1,767	1,840	13	3,620	(0.5)
Industry, other than aircraft	10,672	4,987	21	15,680	(2.2)
Fixed Base Operation (flying schools, etc.)	2,413	6,441	30	8,884	(1.2)
Self Employed	3,966	7,873	50	11,889	(1.7)
Other	24,455	9,632	102	34,189	(4.8)
Not Applicable	21,862	155,039	373,846	550,747	(77.0)
Air Force	745	15,715	76	16,536	(2.3)
Army	305	6,873	24	7,202	(1.0)
Coast Guard	37	315	2	354	(0.0+)
Marines and Navy	427	9,079	55	9,561	(1.3)
National Aeronautics and Space Administration	85	263	318	666	(0.1)
SUBTOTAL - ALL OTHERS	69,063	239,515	374,887	683,465	(95.5)
TOTAL	98,735	242,211	374,912	715,858	(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".

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. A new code schedule incorporating new airlines or name changes was implemented in November 1983; hence, the low numbers for some airlines.

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, 1983, by class of medical certificate issued.

Table V.A

ACTIVE AIRMEN BY NUMBER OF RESTRICTIONS
CARRIED, CLASS AND SEX*
As of: December 31, 1983

Number of Restrictions	First Class		Second Class		Third Class		Total Airmen		Total Airmen	Total Restrictions
	Male	Female	Male	Female	Male	Female	Male	Female		
1	33,109	676	105,906	4,788	160,565	14,187	299,580	19,651	319,231	319,231
2	1,242	14	5,695	461	8,505	309	15,442	784	16,226	32,452
3	50	-	391	21	273	7	714	28	742	2,226
4	4	-	23	3	16	-	43	3	46	184
5	-	-	2	-	1	-	3	-	3	15
6	-	-	-	-	-	-	-	-	-	-
More than 6	-	-	-	-	-	-	-	-	-	-
Total Airmen	34,405	690	112,017	5,273	169,360	14,503	315,782	20,466	336,248	354,108

*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, 1983

Restriction	First Class		Second Class		Third Class		Total Airmen	
	Male	Female	Male	Female	Male	Female	Male	Female
Must Have Available Glasses for Near Vision	11,786	39	22,504	516	35,069	2,025	69,359	2,580
Must Wear Corrective Lenses	14,647	530	56,144	3,197	87,542	9,139	158,333	12,866
Must Wear Glasses for Near and Distant Vision	6,926	99	29,088	1,203	39,488	3,118	75,502	4,420
Must Wear Corrective Lenses for Distant Vision and Possess Glasses for Near Vision	22	1	39	1	38	5	99	7
Must Wear Prismatic Correction	5	-	42	-	36	3	83	3
Must Wear Corrective Lenses: Extra Pair Must be Available	200	23	866	101	487	58	1,553	182
Must Wear Hearing Aid	33	-	146	4	428	18	607	22
Must Wear Artificial Limb	18	-	90	1	224	4	332	5
Oxygen Required When Flying Above 7,999 Feet	-	-	1	-	3	-	4	-
Passenger Carrying Prohibited	2	-	4	-	4	-	10	-
Not Valid for Pilot in Command	-	-	9	-	4	-	13	-

Table V.B. (Continued)

FREQUENCY OF RESTRICTIONS AMONG
ACTIVE AIRMEN BY CLASS AND SEX*
As of: December 31, 1983

Restrictions	First Class		Second Class		Third Class		Total Airmen	
	Male	Female	Male	Female	Male	Female	Male	Female
Not Valid for Control Tower Operator Duties	7	-	48	2	51	-	106	2
Not Valid for Air Transport Duties	2	-	6	1	4	1	12	2
Not Valid for Night Flying or By Color Signal Control (Color Vision)	88	-	1,236	5	7,492	33	8,816	38
Not Valid for Night Flying (Glaucoma)	-	-	2	-	5	-	7	-
Not Valid for Flying Where Radio Use is Required	1	-	9	-	76	4	86	4
Flying Limited to Remote Areas	-	-	2	-	-	-	2	-
Valid for Flight Service Station or Center Duties Only	2	-	16	-	-	-	18	-
Valid for Flight Test Only	8	-	33	-	17	-	58	-
Second Class Privileges Limited to Crop Dusting	-	-	1	-	2	-	3	-
Second Class Privileges Limited to Flight Engineer Duties	4	-	34	-	1	-	39	-
Second Class Privileges Limited to Flight Navigator Duties	-	-	1	-	1	-	2	-

Table V.B. (Continued)

FREQUENCY OF RESTRICTIONS AMONG
ACTIVE AIRMEN BY CLASS AND SEX*
As of: December 31, 1983

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	-	-	11	-	-	-	11	-
Valid for and Limited to ATC Duties Only	27	1	3,796	320	38	4	3,861	325
Valid for ATC Duties - Center Only	2	-	307	11	2	-	311	11
Valid for Flight Service Station Duties Only	2	-	312	39	3	1	317	40
Limited to Military Controller Duties	-	-	1,251	303	23	6	1,274	309
Valid for Control Tower Duties When Second Controller on Duty	-	-	10	1	2	-	12	1
Valid Only When Accompanied by Another Qualified Pilot	-	-	-	-	2	-	2	-
Valid for Student Pilot Purposes Only	4	-	79	2	1,834	128	1,917	130
Second Class Privileges Limited to Cargo Operation	-	-	-	-	-	-	-	-

Table V.B. (Continued)

FREQUENCY OF RESTRICTIONS AMONG
ACTIVE AIRMEN BY CLASS AND SEX*
As of: December 31, 1983

Restriction	First Class		Second Class		Third Class		Total Airmen	
	Male	Female	Male	Female	Male	Female	Male	Female
Time Limitation Restrictions	262	2	1,883	67	4,363	251	6,508	320
Panel Restrictions	227	1	154	2	531	9	912	12
Miscellaneous Restrictions	221	5	447	9	693	19	1,361	33
EKG Due Before Airman's Next Examination (Computer Assigned)	1,263	3	-	-	-	-	1,263	3
TOTAL	35,759	704	118,571	5,785	178,463	14,826	332,793	21,315

*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, 1983

Class Issued	Frequency**			
	Male	Percent	Female	Percent
First	1,176	(1.2)	-	(-)
Second	4,831	(2.1)	12	(0.1)
Third	11,825	(3.4)	51	(0.2)
TOTAL	17,832	(2.7)	63	(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, 1983

Class Issued	Frequency**			
	Male	Percent	Female	Percent
First	7,105	(7.4)	230	(10.5)
Second	30,002	(13.0)	1,217	(11.1)
Third	16,182	(4.7)	637	(2.1)
TOTAL	53,289	(7.9)	2,084	(4.8)

*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.