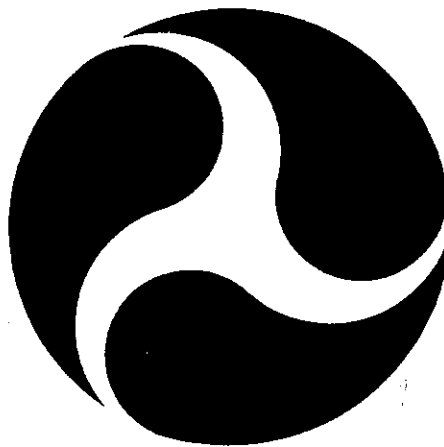


AC 8500-1

1991

AEROMEDICAL CERTIFICATION STATISTICAL HANDBOOK



U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

CIVIL AEROMEDICAL INSTITUTE
AEROMEDICAL CERTIFICATION DIVISION

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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 1991 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
1990 - 1991

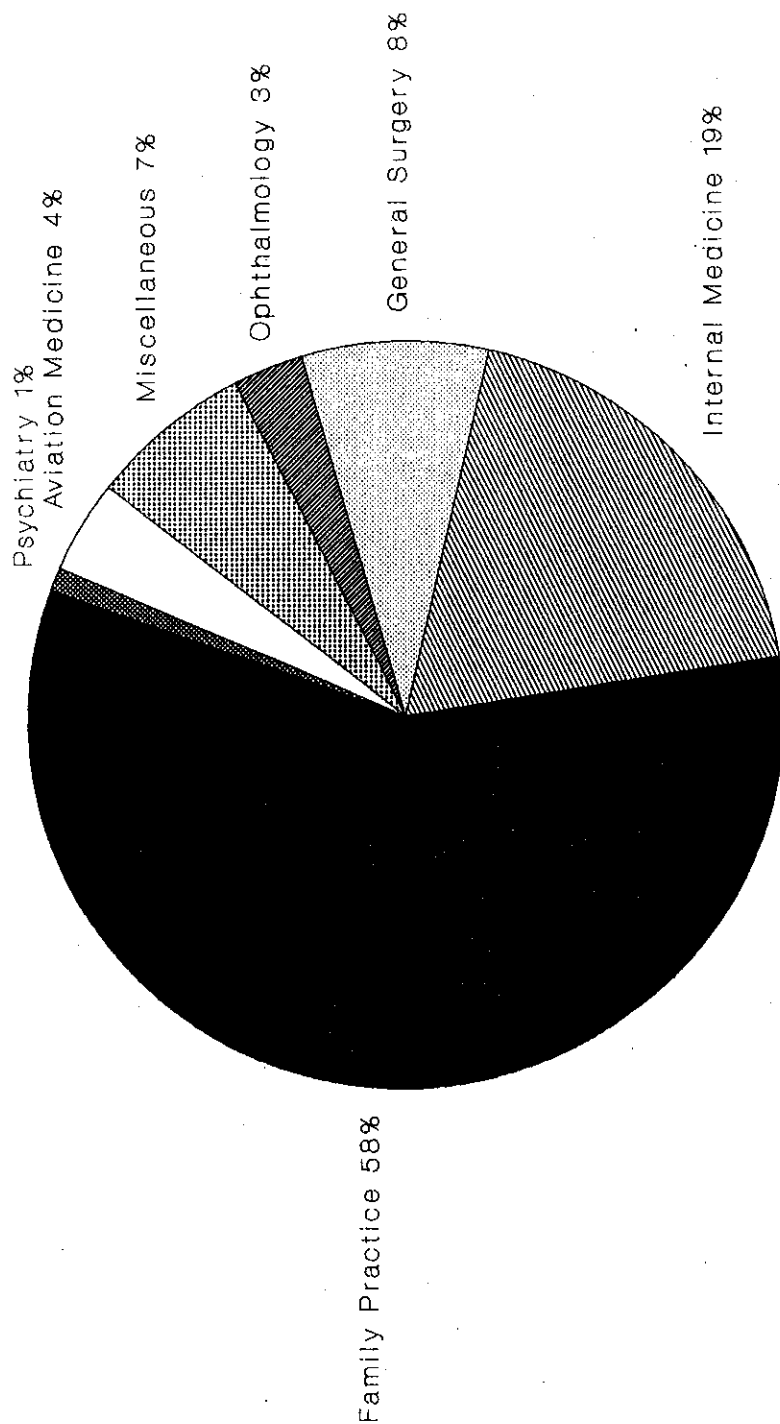
REGION	PERCENT OF 1991 TOTAL *	AVIATION MEDICAL EXAMINERS	
		1991	1990
Alaskan	1.6	104	102
Central	6.9	440	459
Eastern	12.0	769	790
Great Lakes	15.0	954	1,029
New England	3.8	240	244
Northwest Mountain	10.2	648	655
Southern	17.1	1,092	1,174
Southwest	12.5	794	840
Western Pacific	9.2	586	611
SUBTOTAL	88.3	5,627	5,904
Military**	6.7	425	435
International	5.0	322	299
TOTAL	100.0	6,374	6,638

*The basis for percentage computations is total designations as of the end of calendar year 1991, 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 Division, 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 AME'S - 1991*



***Military Not Included**

*Based on United States and International Aviation Medical Examiners; Military not included.

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

Table I.C

REGIONAL COVERAGE OF AVIATION MEDICAL
EXAMINERS VERSUS CIVIL AIRMEN
1991

REGION	Active U.S. Civil Airman Population*	U.S. Non- Military AME Population**	Ratio AMEs To Airmen
Alaskan	9,180	104	1:88
Central	31,765	440	1:72
Eastern	82,143	769	1:107
Great Lakes	108,353	954	1:114
New England	30,516	240	1:127
Northwest Mountain	61,786	648	1:95
Southern	113,162	1,092	1:104
Southwest	74,474	794	1:94
Western Pacific	109,891	586	1:188
TOTAL	621,270	5,627	1:110

*Active U.S. Civil Airman Population figures are as of December 31, 1991;
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, 1992;
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 Division, Aviation Medical Examiner Program; and Aeromedical Certification Division, Program Support Branch.

Table I.D

AVIATION MEDICAL EXAMINER SEMINARS
DATE, LOCATION AND ATTENDANCE
1991

DATE	LOCATION	ATTENDANCE
February 28-March 3	San Diego, CA	119
March 14-17	Corpus Christi, TX	70
April 22-26	*Oklahoma City, OK	46
May 5-9	**Cincinnati, OH AsMA	198
May 16-19	Anchorage, AK	77
June 20-23	Salt Lake City, UT	99
July 11-14	Mobile, AL	71
July 25-28	Washington, D.C.	119
August 8-11	St. Louis, MO	78
August 22-25	Rochester, MN	86
September 26-29	Hartford, CT	91
October 10-13	Portland, OR	119
October 28-November 1	***Oklahoma City, OK	53
November 15-18	****Atlanta, GA (SMA)	95
December 5-8	Chicago, IL	<u>151</u>
TOTAL		<u>1,472</u>

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

Table I.E

AVIATION MEDICAL EXAMINER
SEMINARS AND ATTENDANCE
1960 - 1991

DATE	SEMINARS	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
1987	13	1,573
1988	17	1,525
1989	16	1,550
1990	15	1,599
1991	15	1,472
TOTAL	384	43,750

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

Table I.F

ACTIVE AVIATION MEDICAL EXAMINERS
SEMINAR ATTENDANCE BY REGION*
1991

REGION	Total AMEs	One Seminar	More Than One Seminar	No Seminar Attendance
Alaskan	104	22	79	3
Central	440	76	364	-
Eastern	769	122	622	25
Great Lakes	954	161	792	1
New England	240	46	190	4
Northwest Mountain	648	102	540	6
Southern	1,092	176	912	4
Southwest	794	112	681	1
Western Pacific	586	93	490	3
International	322	107	161	54
TOTAL	5,949	1,017	4,831	101
Percent of Total	100.0	17.1	81.2	1.7

*Training data are obtained from computer listings of non-military Aviation Medical Examiners.

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

Table I.G

REGIONAL AVIATION MEDICAL EXAMINER ACTIVITY*
1991

Region	AMEs Appointed	AMEs Reinstated	AMEs Separated	Total AMEs
Alaskan	8	2	6	104
Central	11	4	37	440
Eastern	24	24	48	769
Great Lakes	20	11	101	954
New England	15	-	15	240
Northwest Mountain	25	1	35	648
Southern	24	12	114	1,092
Southwest	22	8	83	794
Western Pacific	25	9	56	586
International	25	3	6	322
Total	199	74	501	5,949

*Military installations not included.

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

Table I.H

AVIATION MEDICAL EXAMINER SUMMARY DATA*
1991

A.	Number of Designated U.S. Non-Military Aviation Medical Examiners	5,949
B.	Number of Designated International Aviation Medical Examiners	322
C.	Number of Designated Military Aviation Medical Examiners (Installations)	425
D.	Ratio of U.S. Non-Military Aviation Medical Examiners to U.S. Civil Airmen	1:110
E.	Percentage of Non-Military Aviation Medical Examiners Who Are Qualified Pilots	50.6%
F.	Percentage of Aviation Medical Examiners Who Were Military Flight Surgeons	15.9%
G.	Number of Non-Military Aviation Medical Examiners Who Participate in Accident Investigation	147
H.	Percentage of Non-Military Aviation Medical Examiners Who Have Attended One Seminar	17.1%
I.	Percentage of Non-Military Aviation Medical Examiners Who Have Attended More Than One Seminar	81.2%
J.	Percentage of Non-Military Aviation Medical Examiners Who Have Not Attended a Seminar	1.7%
K.	Total Number of Seminars Conducted in 1991	15
L.	Total Attendance of Aviation Medical Examiners at Seminars	1,472

*An Aviation Medical Examiner may have been classified in more than one of these categories.

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

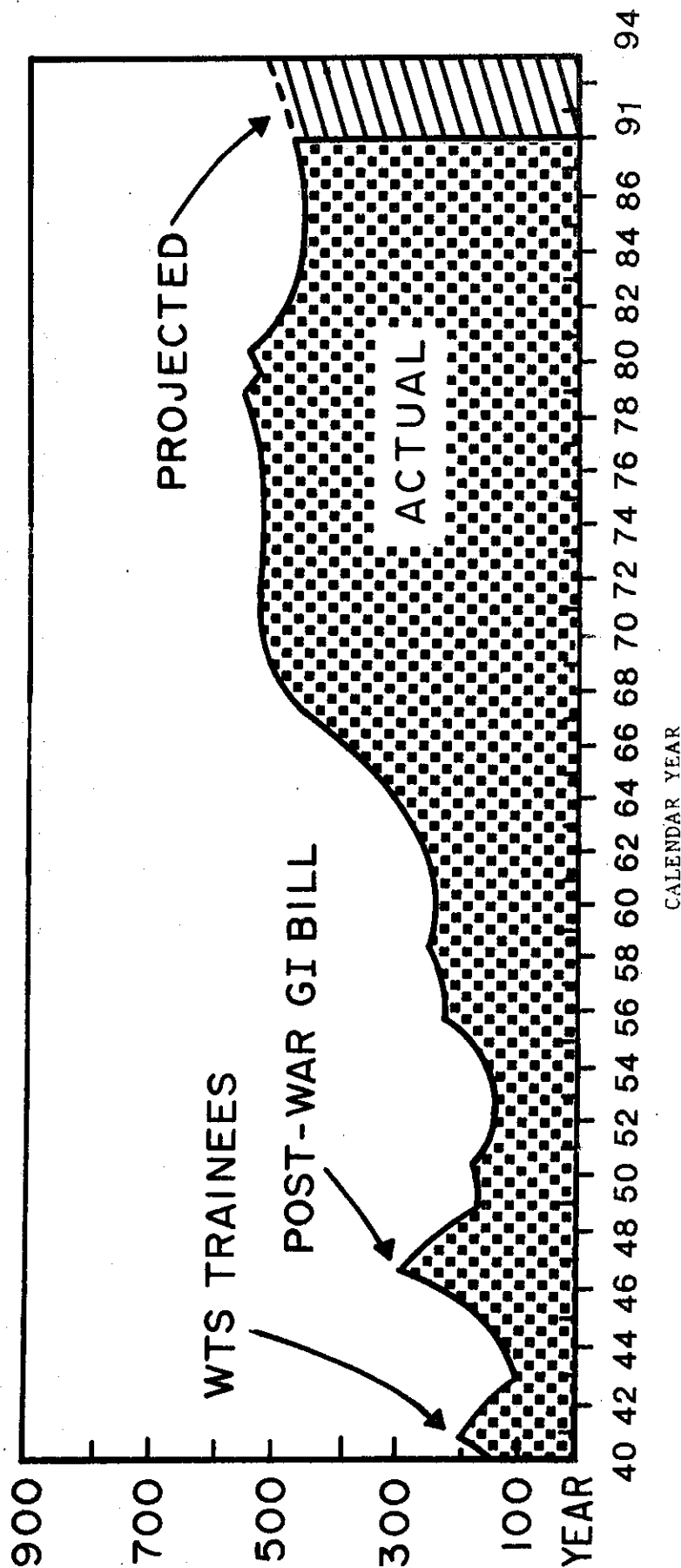
SECTION II

CERTIFICATION ACTIVITY

The Aeromedical Certification Division 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 Division are presented in this section. Data are presented by calendar year and reflect workload in the certification area.

1940-1991 PROJECTED TO 1994



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	+12.1	+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	499.0	470.2
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	+4.0	-5.8
Year	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
Application	466.3	481.2	480.9	494.6	514.4	535.0	556.4									
Percentage*	-0.8	+3.2	-0.1	+2.8	+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 Division, Program Support Branch.

Table II.B

RECEIPTS OF MEDICAL CERTIFICATE
APPLICATIONS BY CLASS*
1965-1991

Calendar Year	Total	Percent of Total		Second Class	Percent of Total		Third Class	Percent of Total	
		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		
1987	470,208	147,175	31.3	138,241	29.4	184,792	39.3		
1988	466,326	147,359	31.6	130,571	28.0	188,396	40.4		
1989	481,168	162,635	33.8	128,953	26.8	189,580	39.4		
1990	480,922	169,765	35.3	124,559	25.9	186,598	38.8		
1991	494,612	181,523	36.7	127,115	25.7	185,974	37.6		

*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 1991 were based on percentages compiled from the Record of Physical Examinations Computer Submission Summary, AC 8500-3.

Source: Civil Aeromedical Institute, Aeromedical Certification Division, Program Support Branch, RIS: AC 8500-3, Record of Physical Examinations Computer Submission Summary Report.

MEDICAL APPLICATIONS PROCESSING BY THE
AEROMEDICAL CERTIFICATION DIVISION
1991

Month	Applications Received	Applications Coded for Computer Screening	Applications Screened by Computer*	Applications Requiring Manual Review**	Applications Intra-Office Transmitted***
January	42,754	37,054	35,570	14,228	143
February	35,437	39,037	29,748	11,899	105
March	40,583	50,983	43,868	17,547	103
April	37,631	46,131	47,523	19,009	84
May	37,621	42,525	50,951	20,380	129
June	55,574	39,274	36,058	14,423	150
SUBTOTAL	249,600	255,004	243,718	97,486	714
July	38,903	49,603	37,770	15,108	103
August	44,876	53,076	39,133	39,133	159
September	43,169	42,969	48,433	19,373	105
October	50,681	48,881	49,557	19,823	138
November	34,472	38,472	54,487	21,795	110
December	32,911	31,111	42,470	16,988	174
SUBTOTAL	245,012	264,112	271,850	108,740	789
TOTAL	494,612	519,116	515,568	206,226	1,503

*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 40% 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 Division, Program Support Branch; RIS: AC 8065-3, Aeromedical Certification Processing Summary.

Table II.D

AEROMEDICAL CERTIFICATION DIVISION
CORRESPONDENCE SECTION ACTIVITY
1991

Activity	Frequency	Subtotal	Percent of Total
<u>Certification</u>			
Issued and Corrected Certificates	19,013		
Eligibility Letters	35,582		
Issued or Duplicate Waivers	7,557	62,152	56.2
<u>Further Action Necessary</u>			
Information Requested	31,948		
Medical Flight Test Authorization	6,137		
Case Summary for the Federal Air Surgeon	14	38,099	34.5
<u>Telegram Replies to Airmen/Agency Offices</u>	482	482	0.4
<u>Denial Letters</u>			
Final Denials	405		
General Denials	1,579		
Failure to Provide Denials	2,642		
Other Denial Correspondence	2,801	7,427	6.7
<u>Miscellaneous Correspondence*</u>			
AME Error Letters	161		
Other Miscellaneous*	2,265	2,426	2.2
TOTAL		110,586	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 Division, Program Support Branch; RIS: AC 8065-3, Aeromedical Certification Processing Summary.

TABLE II.E
CONSOLIDATED
AEROMEDICAL CERTIFICATION DIVISION COMPUTER TAPE FILE SUMMARY
AS OF: DECEMBER 31, 1991

Action	Time Lapse Since Date of Last Examination					Total
	<7 Month	<13 Month	<25 Month	Subtotal	25-36 Month	Over 36 Month
<u>Certified</u>						
First Class	90,859	39,278	21,213	151,350	10,351	N/A
Second Class	63,293	57,103	62,978	183,374	30,602	N/A
Third Class	95,150	76,424	168,769	340,343	85,184	N/A
SUBTOTAL	249,302	172,805	252,960	675,067	126,137	N/A
<u>Non-Certified</u>						
Pending	2,861	1,029	1,792	5,682	1,395	N/A
Denied	1,615	2,100	4,105	7,820	3,612	N/A
SUBTOTAL	4,476	3,129	5,897	13,502	5,007	N/A
Link*	N/A	N/A	N/A	N/A	N/A	N/A
TOTAL	253,778	175,934	258,857	688,569	131,144	507,353
EFFECTIVE STATUS TOTAL: CLASS 1 = 90,859 CLASS 2 = 159,674 CLASS 3 = 424,534						

*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 Division, Program Support Branch.

Table II.F

MEDICAL CERTIFICATION ACTIVITY SUMMARY
1989-1991

Activity	CY 1991	CY 1990	CY 1989
Applications for Medical Certification	494,612	480,922	481,168
New Applications for First Class Medical Certificates*	-	7,580	6,590
New Applications for Second Class Medical Certificates*	-	11,674	11,232
New Applications for Third Class Medical Certificates*	-	48,948	52,357
First Class Combined Student/Medical Certificates	5,122	7,625	6,876
Second Class Combined Student/Medical Certificates	10,887	15,551	14,678
Third Class Combined Student/Medical Certificates	69,206	100,168	103,446
Electrocardiograms Received for First Class Pilots	67,090	66,716	69,895
Incoming Correspondence	102,408	77,944	58,228
Outgoing Correspondence	126,312	110,448	107,836
Applications Containing Medical or Clerical Problems	206,226	178,382	190,868
Number of Abnormalities Detected in Electrocardiograms	13,418	13,343	13,979
Number of First Class Active Airmen with Pathology Records	33,133	31,196	29,128
Number of Second Class Active Airmen with Pathology Records	52,600	50,599	50,012
Number of Third Class Active Airmen with Pathology Records	73,440	69,525	68,036

*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 1990, 1,275 or 1.9% new applications were denied, 650 or 0.9% were pending, and 66,277 or 97.2% were issued for a total of 68,202 new applications.

Table II.F (Continued)

MEDICAL CERTIFICATION ACTIVITY SUMMARY
1989-1991

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 Division and inquiries from airmen or regional offices.

Source: Civil Aeromedical Institute, Aeromedical Certification Division, Program Support Branch; RIS: AC 8500-1, 8500-3, and 8065-3.

SECTION III

REFERRALS AND DENIALS

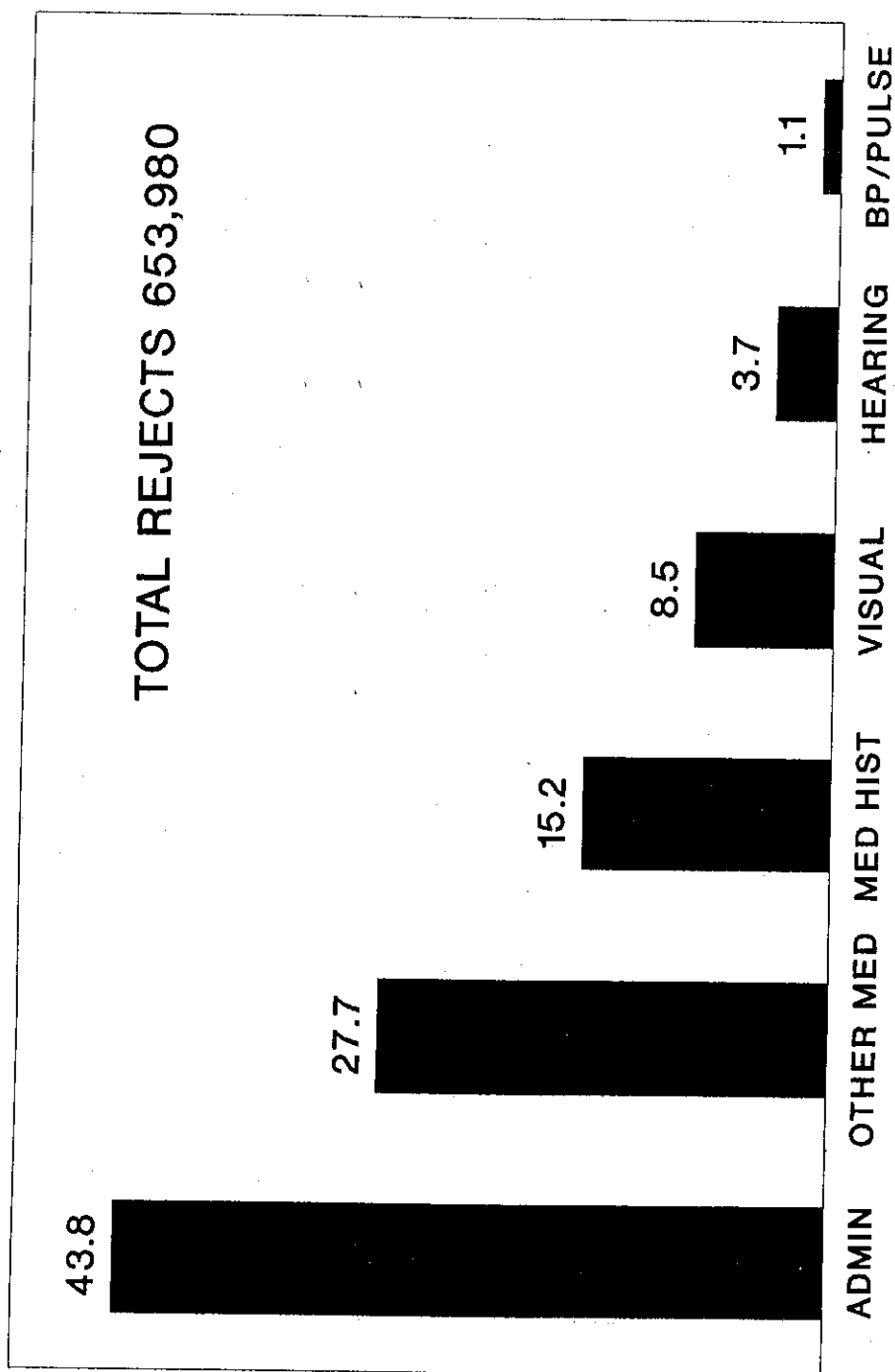
This section is concerned with those applications for medical certification which require manual review. These data are presented by calendar year and reflect the number of rejects, either medical or administrative, generated when the application enters the automated system. Also included are data reflecting the number of special issuance and denials.

Figure III.A

CAUSES FOR REVIEW BY MAJOR CATEGORY

1991

% OF REJECTS



Source: Civil Aeromedical Institute, Aeromedical Certification Division, Program Support Branch; RIS: AC 8500-3, Aeromedical Certification Processing Summary.

DISTRIBUTION OF CAUSES FOR REVIEW BY MAJOR AND MINOR CATEGORIES
1991

Reject	Major Category Totals	Percent	Minor Categories	Percent
<u>Administrative</u>	286,569	43.8		
No NDR Authorization			19,820	3.0
AME Number Rejects			9,383	1.4
No Ticket Flag Set			81,520	12.4
Previous Exam Has No Ticket Flag			5,309	0.8
Previous Exam Pending			762	0.1
Clerical Reject			7,664	1.2
Airman Over 80 Years of Age			333	0.1
Waiver Rejects			1,758	0.3
Re-Submit Exam to Computer			2,612	0.4
Date of ECG Rejects			7,691	1.2
No Match Between New and Previous Exams			3,037	0.5
Discrepancy in Name/DOB			14,714	2.2
Student/Medical Age Less Than 16			215	0.0+
Discrepancy in Social Security Number			11,866	1.8
Other*			119,885	18.4
<u>Visual</u>	55,547	8.5		
Distant Vision			35,612	5.4
Near Vision			14,864	2.3
Intraocular Tension			316	0.0+
Field of Vision			557	0.1
Color Vision			4,198	0.7
<u>Other Medical Conditions</u>	181,165	27.7		
Denied or Pending - Current Exam			15,341	2.3
Urinalysis			7,893	1.2
Pathology Codes			69,296	10.6
Abnormalities (Items 25-48)			3,410	0.5
Medication			61,938	9.5
Restrictions			23,287	3.6
<u>Medical History</u>	99,268	15.2		
Previous Exam Special Case			718	0.1
Medical History			74,974	11.5
Previous Exam on Tape Denied			2,043	0.3
Previous Exemption/Special Issuance Case			4,095	0.6
Input Exemption/Special Issuance Case			1,271	0.2
Follow-up Material Requested			11,258	1.7
Current Information with Previous Record			2,511	0.4
Previous Exam Sent to Washington or Region			573	0.1
Previous Record in ECG Pending/Follow-up Not Required This Exam/File Sent to Consultant			1,825	0.3
<u>Hearing</u>	24,370	3.7		
Hearing			24,370	3.7
<u>Blood Pressure</u>	7,061	1.1		
Blood Pressure			5,316	0.8
Pulse			1,745	0.3
<u>TOTAL REJECT MESSAGES</u>	653,980	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.

Source: Civil Aeromedical Institute, Aeromedical Certification Division, Program Support Branch; RIS: AC 8065-3, Aeromedical Certification Processing Summary.

Table III.C
Special Issuances and Denials
As of: December 31, 1991

Category Issuance/Denial	First Class	Second Class	Third Class	Total
<u>Issuances</u>				
NTSB Issuance	5	4	4	13
Special Issuance by AAM-300	649	345	2,501	3,495
Special Issuance by AAM-1	472	164	452	1,088
Special Issuance by RFS	5	19	96	120
Total Special Issuances	1,131	532	3,053	4,716
<u>Exemptions</u>				
	19	28	60	107
<u>Denials</u>				
Final Denials by AAM-300	87	142	613	842
Final Denials by AAM-1	49	5	8	62
Final Denials by RFS	-	1	3	4
Total Denials	136	148	624	908

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

Source: Civil Aeromedical Institute, Aeromedical Certification Division, Program Support Branch; 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, 1991, 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 ARMEN BY CLASS OF CERTIFICATE AND EFFECTIVE STATUS*
As of: December 31, 1991

Region	First Class			Second Class			Third Class			Total Active Armen		
	Class Certified	Effective Status (Class)**		Class Certified	Effective Status (Class)**		Class Certified	Effective Status (Class)**		Total Armen Certified	Percent of Total Armen	Effective Status (Class)**
		1	2		2	3		3	3			1 2 3
Alaskan	1,413	839	410	164	3,010	2,085	925	4,757	4,757	9,180	1.4	839 2,495 5,846
Central	4,326	2,733	1,100	493	8,079	5,468	2,611	19,360	19,360	31,765	4.7	2,733 6,568 22,464
Eastern	17,486	10,594	4,542	2,350	20,434	13,635	6,799	44,223	44,223	82,143	12.1	10,594 18,177 53,372
Great Lakes	21,205	12,762	5,657	2,786	26,028	17,350	8,678	61,120	61,120	108,353	16.1	12,762 23,007 72,584
New England	6,662	4,295	1,567	800	7,631	4,860	2,771	16,223	16,223	30,516	4.5	4,295 6,427 19,794
Northwest-Mountain	14,468	9,012	3,776	1,680	16,151	10,724	5,427	31,167	31,167	61,786	9.2	9,012 14,500 38,274
Southern	31,465	19,105	8,392	3,968	28,539	18,985	9,554	53,158	53,158	113,162	16.7	19,105 27,377 66,680
Southwest	18,099	11,255	4,763	2,081	20,734	14,196	6,538	35,641	35,641	74,474	11.0	11,255 18,959 44,260
Western-Pacific	23,320	14,385	5,808	3,127	26,638	17,419	9,219	59,933	59,933	109,891	16.3	14,385 23,227 72,279
U.S. TOTAL	138,444	84,980	36,015	17,449	157,244	104,722	52,522	325,582	325,582	621,270	92.0	84,980 140,737 395,553
Military***	109	41	33	35	17,116	10,270	6,846	7,400	7,400	24,625	3.7	41 10,303 14,281
International	12,797	5,838	3,230	3,729	9,014	5,404	3,610	7,361	7,361	29,172	4.3	5,838 8,634 14,700
TOTAL	151,350	90,859	39,278	21,213	183,374	120,396	62,978	340,343	340,343	675,067	100.0	90,859 159,674 424,534
Percent of Total Certified Armen	(22.4)				(27.2)			(50.4)		(100.0)		

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

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

***Military airmen were tabulated on the basis of the physical examination being performed at a military examining facility.

Source: Civil Aeromedical Institute, Aeromedical Certification Division, Program Support Branch; RIS: AC 8065-4, Examination Time Period Summary.

Table IV.B
ACTIVE ARMEN'S STATE OF RESIDENCE
BY SEX AND CLASS OF CERTIFICATE ISSUED*
As of: December 31, 1991

State	First Class		Second Class		Third Class		Total Armen	
	Male	Female	Male	Female	Male	Female	Male	Female
Alabama	931	19	2,326	70	4,004	281	7,261	370
Alaska	1,365	39	2,827	165	4,269	462	8,461	666
Arizona	3,656	204	3,765	214	6,548	627	13,969	1,045
Arkansas	639	15	1,703	42	2,906	174	5,248	231
California	16,066	817	19,474	1,028	44,998	4,244	80,538	6,089
Colorado	4,984	277	3,705	244	5,687	594	14,376	1,115
Connecticut	2,314	95	1,788	103	3,523	314	7,625	512
Delaware	355	12	439	21	694	42	1,488	75
District of Columbia	70	8	118	7	217	34	405	49
Florida	13,362	541	11,166	555	17,636	1,633	42,164	2,729
Georgia	6,169	119	3,448	117	7,155	525	16,772	761
Hawaii	1,067	61	719	58	783	81	2,569	200
Idaho	448	13	1,142	55	2,296	159	3,886	227
Illinois	5,522	283	5,568	376	11,599	894	22,689	1,553
Indiana	1,871	86	2,668	129	6,652	426	11,191	641
Iowa	541	6	1,663	58	4,205	242	6,409	306
Kansas	1,018	22	2,307	89	4,855	353	8,180	464
Kentucky	1,435	52	1,330	46	2,937	185	5,702	283
Louisiana	1,524	27	2,345	60	2,966	168	6,835	255
Maine	467	18	845	29	2,013	154	3,325	201
Maryland	1,616	69	2,128	98	4,732	490	8,476	657
Massachusetts	1,731	100	2,802	168	5,845	500	10,378	768
Michigan	2,907	124	4,327	242	10,224	782	17,458	1,148
Minnesota	4,344	237	3,307	166	7,842	602	15,493	1,005
Mississippi	545	16	1,357	41	2,006	124	3,908	181
Missouri	2,146	56	2,683	102	6,367	540	11,196	698
Montana	383	14	1,058	45	1,932	136	3,373	195
Nebraska	514	16	1,135	35	2,630	166	4,279	217
Nevada	1,331	49	1,215	74	2,324	225	4,870	348
New Hampshire	1,334	59	1,014	74	1,867	147	4,215	280
New Jersey	2,831	107	2,919	174	6,644	559	12,394	840
New Mexico	724	37	1,211	60	2,002	180	3,937	277

Table IV.B (Continued)
ACTIVE AIRMEN'S STATE OF RESIDENCE
BY SEX AND CLASS OF CERTIFICATE ISSUED*
As of: December 31, 1991

State	First Class		Second Class		Third Class		Total Airmen	
	Male	Female	Male	Female	Male	Female	Male	Female
New York	3,637	164	5,103	242	11,094	850	19,834	1,256
North Carolina	3,436	124	3,076	130	6,850	521	13,362	775
North Dakota	615	49	846	27	1,402	98	2,863	174
Ohio	3,025	130	4,877	251	11,250	870	19,152	1,251
Oklahoma	1,356	55	2,830	106	4,903	430	9,089	591
Oregon	1,048	57	2,507	153	5,562	489	9,117	699
Pennsylvania	4,264	198	4,799	291	9,931	823	18,994	1,312
Rhode Island	242	6	341	20	753	78	1,336	104
South Carolina	1,157	40	1,495	44	3,214	210	5,866	294
South Dakota	243	10	671	17	1,191	65	2,105	92
Tennessee	3,234	116	2,972	139	5,249	377	11,455	632
Texas	13,309	369	11,830	408	20,194	1,608	45,333	2,385
Utah	1,499	40	1,187	54	2,710	177	5,396	271
Vermont	279	12	403	32	927	94	1,609	138
Virginia	3,622	126	3,192	159	5,857	511	12,671	796
Washington	5,237	242	5,176	318	9,371	932	19,784	1,492
West Virginia	275	11	567	18	1,406	95	2,248	124
Wisconsin	1,691	56	2,423	116	6,686	531	10,800	703
Wyoming	210	11	469	17	1,025	86	1,704	114
U.S. CIVILIAN TOTAL	132,589	5,414	149,266	7,287	299,933	24,888	581,788	37,589
NASA	222	3	377	28	473	53	1,072	84
Military	116	1	16,958	296	6,925	538	23,999	835
International	12,707	298	8,840	322	6,987	546	28,534	1,166
TOTAL AIRMEN	145,634	5,716	175,441	7,933	314,318	26,025	635,393	39,674

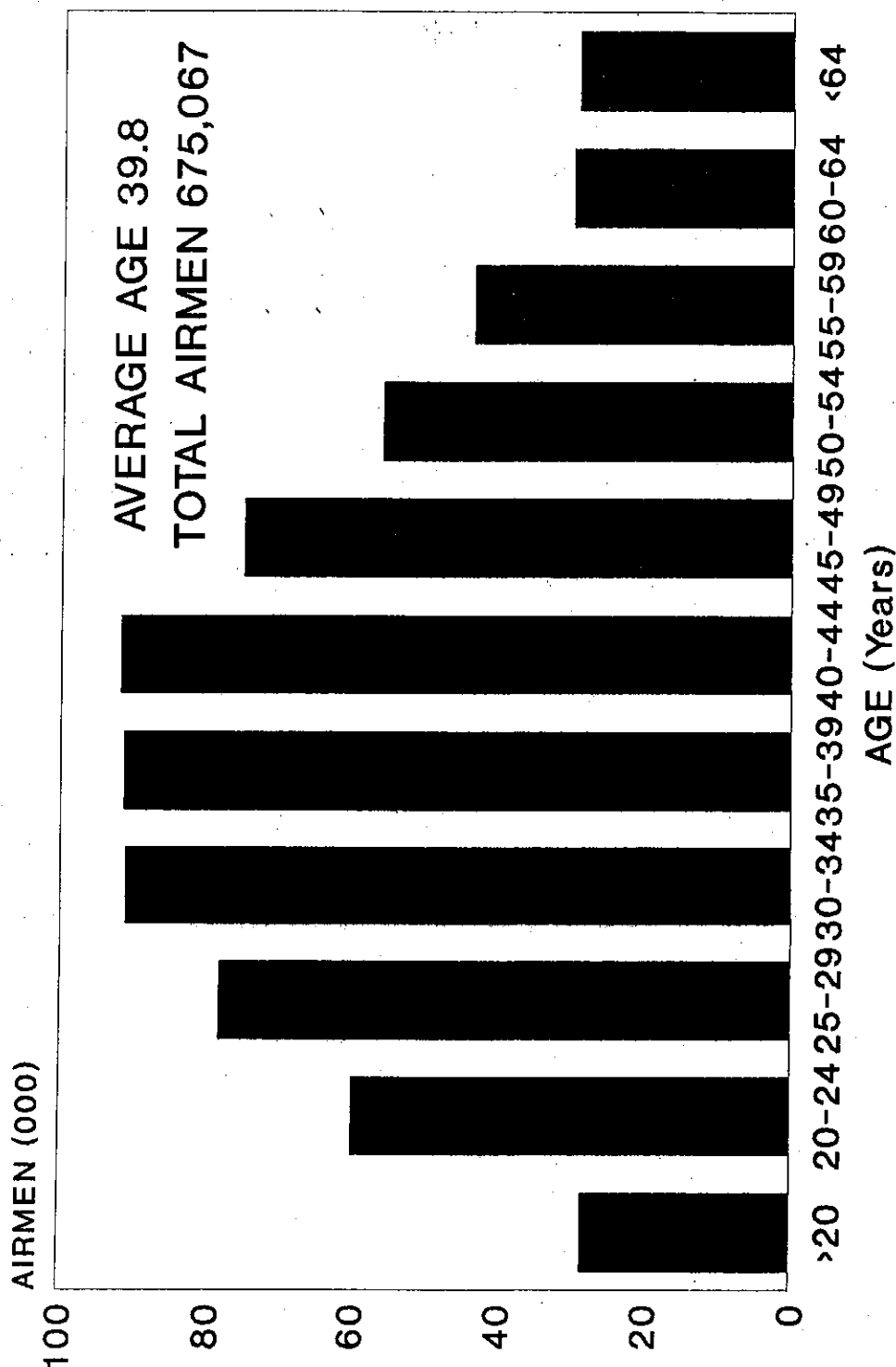
*Totals are based on active airmen certified within the past 25 months.

Source: Civil Aeromedical Institute, Aeromedical Certification Division, Program Support Branch;
RIS: AC 8500-1, Aeromedical Certification Statistical Handbook Computer Run.

FIGURE IV.C

MEDICALLY CERTIFIED AIRMEN BY AGE

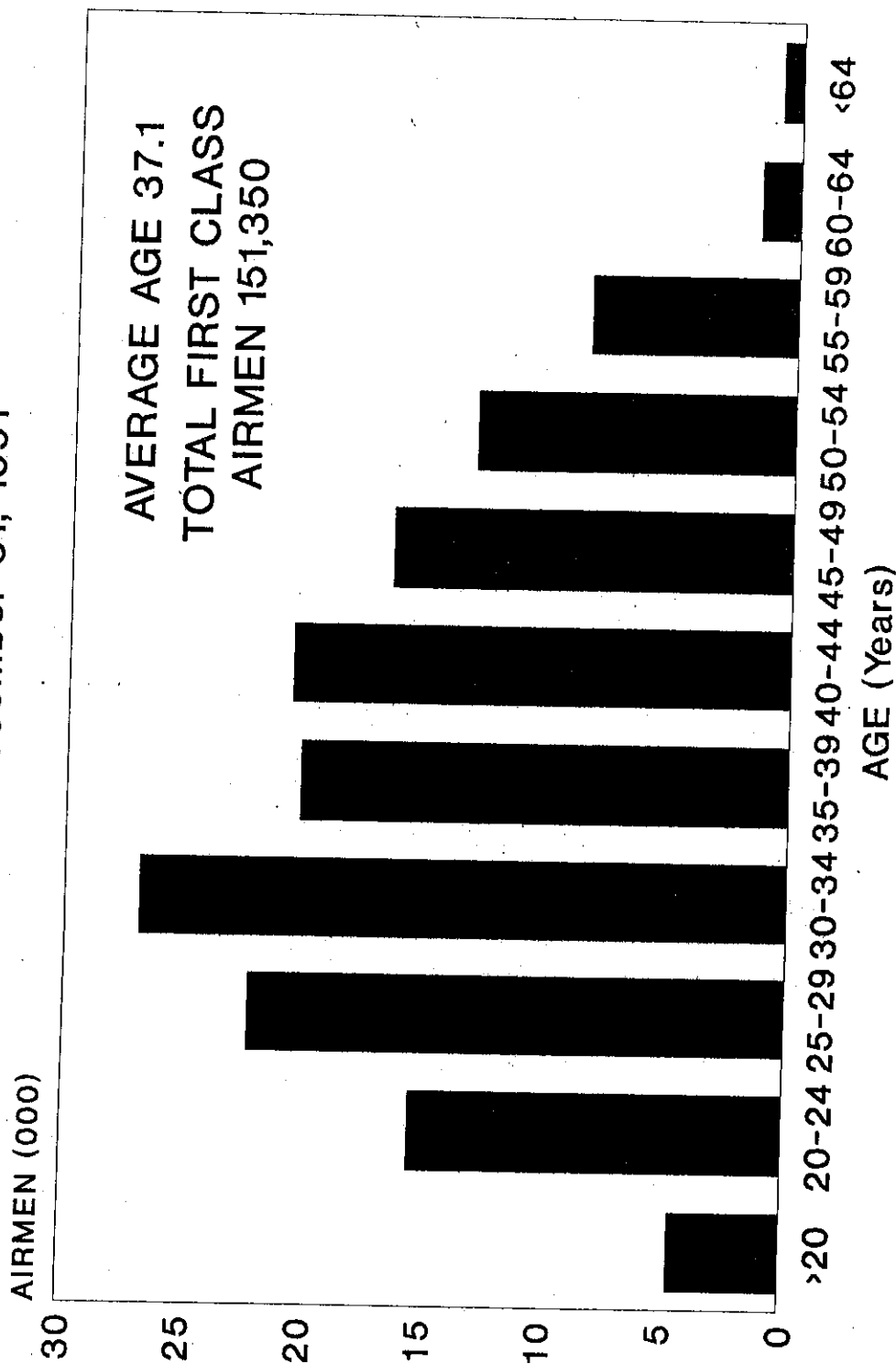
As of: December 31, 1991



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 Division, Program Support Branch; RIS: AC 8500-1, Aeromedical Certification Statistical Handbook Computer Run.

Figure IV.D AGE DISTRIBUTION--FIRST CLASS AIRMEN As of: December 31, 1991

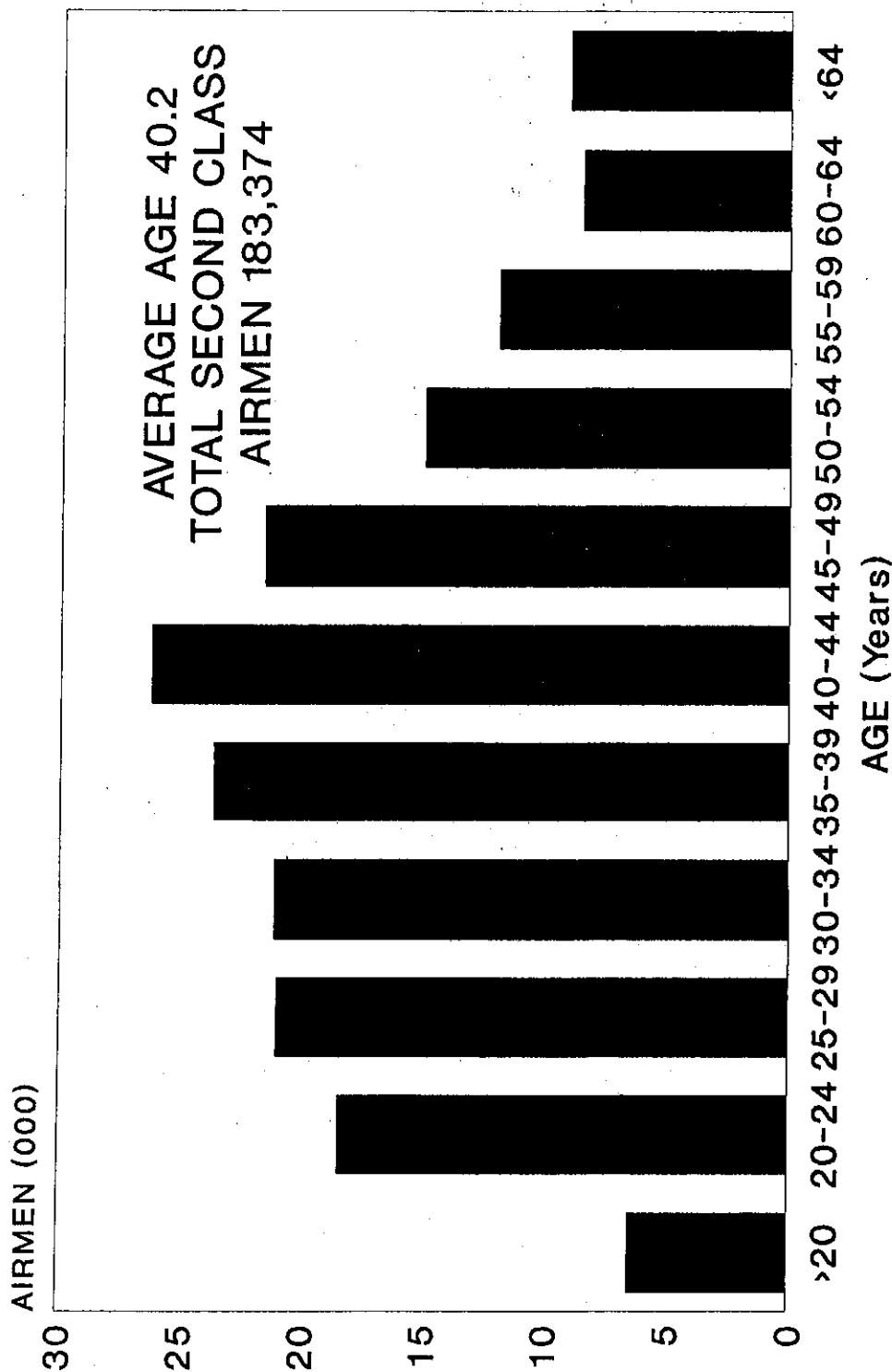


Brackets are indicative of age class intervals wherein magnitudes are not apparent on this scale. In such instances, the accompanying table (Table IV.G) should be consulted for frequencies.

Source: Civil Aeromedical Institute, Aeromedical Certification Division, Program Support Branch; RIS: AC 8500-1, Aeromedical Certification Statistical Handbook Computer Run.

AGE DISTRIBUTION--SECOND CLASS AIRMEN

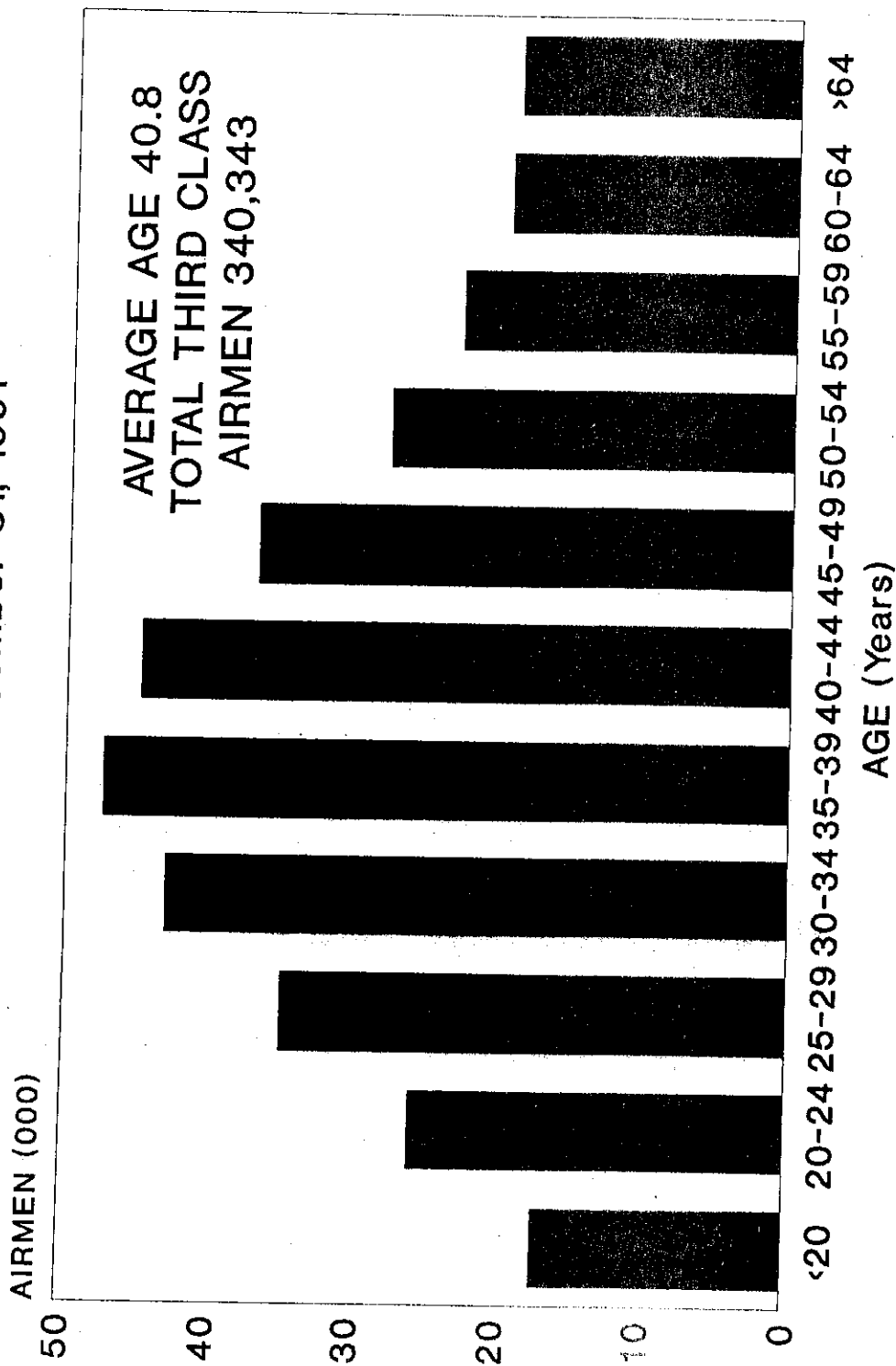
As of: December 31, 1991



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 Division, Program Support Branch; RIS: AC 8500-1, Aeromedical Certification Statistical Handbook Computer Run.

Figure IV.1 AGE DISTRIBUTION--THIRD CLASS AIRMEN As of: December 31, 1991



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 Division, Program Support Branch; RIS: AC 8500-1, Aeromedical Certification Statistical Handbook Computer Run.

Table IV.G

AGE DISTRIBUTION OF ACTIVE AIRMEN
BY CLASS AND SEX*

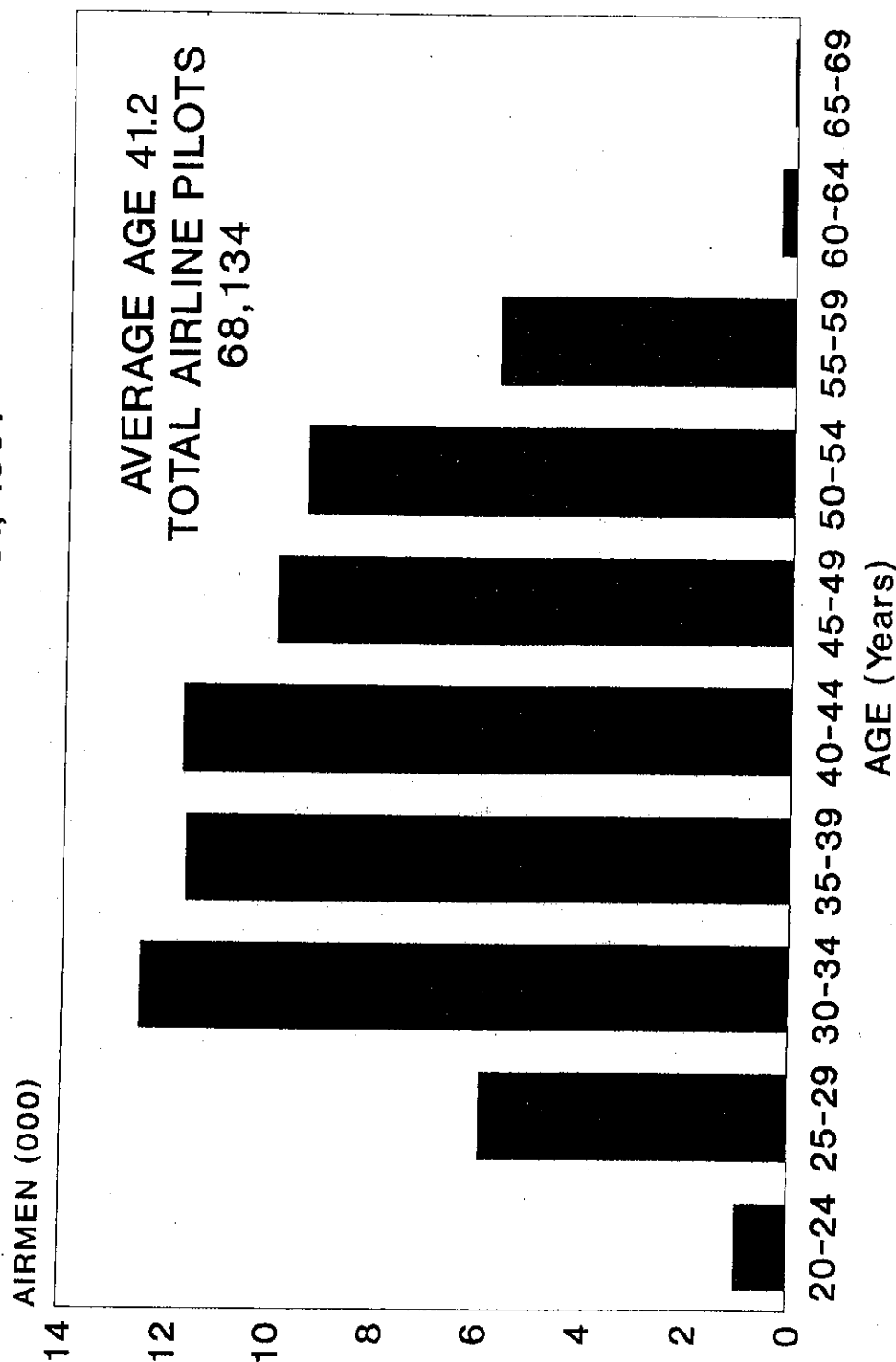
As of: December 31, 1991

Age	First Class		Second Class		Third Class		Total Airmen	
	Male	Female	Male	Female	Male	Female	Male	Female
Less than 15	2	1	2	-	45	17	49	18
15 - 19	4,088	532	5,741	756	14,952	2,247	24,781	3,535
20 - 24	14,337	1,233	17,254	1,215	23,391	2,478	54,982	4,926
25 - 29	20,894	1,440	19,866	1,174	31,514	3,386	72,274	6,000
30 - 34	25,686	1,231	20,032	1,138	39,153	3,890	84,871	6,259
35 - 39	19,601	708	22,584	1,096	43,582	3,838	85,767	5,642
40 - 44	20,359	335	25,398	877	41,375	3,559	87,132	4,771
45 - 49	16,512	135	21,004	602	34,340	2,599	71,856	3,336
50 - 54	13,209	54	14,610	397	26,216	1,661	54,035	2,112
55 - 59	8,540	23	11,748	265	21,890	1,108	42,178	1,396
60 - 64	1,591	15	8,321	217	19,091	731	29,003	963
65 - 69	600	7	5,913	118	12,121	369	18,634	494
70 - 74	189	2	2,348	60	4,944	112	7,481	174
75 - 79	24	-	541	15	1,402	27	1,967	42
80 - 84	1	-	67	2	254	2	322	4
85 and over	1	-	12	1	48	1	61	2
TOTAL	145,634	5,716	175,441	7,933	314,318	26,025	635,393	39,674
Average Age	37.5	29.2	40.5	34.8	41.1	36.6	40.1	35.2

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

Source: Civil Aeromedical Institute, Aeromedical Certification Division, Program Support Branch;
RIS: AC 8500-1, Aeromedical Certification Statistical Handbook Computer Run.

Figure IV.H
AGE DISTRIBUTION OF AIRLINE PILOTS
 As of: December 31, 1991



Source: Civil Aeromedical Institute, Aeromedical Certification Division, Program Support Branch; RIS: AC 8500-1, Aeromedical Certification Statistical Handbook Computer Run.

Table IV.I
AGE DISTRIBUTION OF AIRLINE PILOTS*
As of: December 31, 1991

Age Groups (1)	Airline Pilots (2)	Certified First Class Airmen** (3)	Airline Pilots (4)	Percent of Total Certified First Class Airmen (5)
20 - 24	991	15,570	1.5	10.6
25 - 29	5,927	22,334	8.7	15.2
30 - 34	12,508	26,917	18.3	18.4
35 - 39	11,650	20,309	17.1	13.9
40 - 44	11,729	20,694	17.2	14.1
45 - 49	9,922	16,647	14.6	11.4
50 - 54	9,370	13,263	13.8	9.1
55 - 59	5,670	8,563	8.3	5.8
SUBTOTAL	67,767	144,297	99.5	98.5
60 - 64	297	1,606	0.4	1.1
65 - 69	70	607	0.1	0.4
TOTAL	68,134	146,510	100.0	100.0
Average Age	41.2	37.7		

*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/her 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 Division, Program Support Branch;
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, 1991

Height in Inches	First Class		Second Class		Third Class		Total Airmen	
	Male	Female	Male	Female	Male	Female	Male	Female
Less than 59	230	58	440	98	755	270	1,425	426
59	108	12	197	28	317	123	622	163
60	170	57	333	165	692	757	1,195	979
61	113	97	181	259	408	865	702	1,221
62	107	305	214	650	513	2,335	834	3,290
63	179	499	406	777	838	2,645	1,423	3,921
64	635	840	1,104	1,189	2,218	3,965	3,957	5,994
65	1,447	875	2,364	1,091	4,395	3,558	8,206	5,524
66	3,761	917	5,766	1,176	10,913	3,840	20,440	5,933
67	7,404	784	9,833	983	17,723	2,987	34,960	4,754
68	13,572	601	16,977	730	30,731	2,227	61,280	3,558
69	16,439	336	20,082	365	33,954	1,220	70,475	1,921
70	22,346	192	26,642	225	48,792	702	97,780	1,119
71	20,555	85	24,275	102	44,322	245	89,152	432
72	25,750	40	30,125	54	52,797	147	108,672	241
73	13,085	6	14,662	16	26,063	34	53,810	56
74	10,408	6	11,352	13	20,026	35	41,786	54
75	5,098	4	5,579	6	9,604	20	20,281	30
Over 75	4,227	2	4,909	6	9,257	50	18,393	58
TOTAL	145,634	5,716	175,441	7,933	314,318	26,025	635,393	39,674
Average Height	70.7	65.6	70.5	65.2	70.5	65.1	70.5	65.2

*Total 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 Division, Program Support Branch;
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, 1991

Weight in Pounds	First Class		Second Class		Third Class		Total Airmen	
	Male	Female	Male	Female	Male	Female	Male	Female
Less than 90	12	5	5	9	21	33	38	47
90 - 99	8	37	9	68	30	241	47	346
100 - 109	62	286	82	437	200	1,396	344	2,119
110 - 119	231	964	338	1,222	789	3,789	1,358	5,975
120 - 129	894	1,489	1,331	1,728	2,705	5,632	4,930	8,849
130 - 139	3,016	1,294	4,120	1,620	7,246	5,342	14,382	8,256
140 - 149	7,782	818	8,962	1,137	15,857	3,739	32,601	5,694
150 - 159	15,611	372	17,076	654	28,849	2,274	61,536	3,300
160 - 169	23,210	199	24,455	395	42,424	1,322	90,089	1,916
170 - 179	25,984	105	28,310	249	48,651	798	102,945	1,152
180 - 189	23,938	65	28,145	155	49,367	567	101,450	787
190 - 199	17,138	34	21,514	99	37,582	306	76,234	439
200 - 209	11,089	16	14,764	52	27,213	198	53,066	266
210 - 219	7,123	10	10,085	30	18,871	131	36,079	171
220 - 229	4,249	13	6,150	29	13,137	89	23,896	131
230 - 239	2,405	4	3,968	18	8,239	55	14,612	77
240 - 249	1,206	1	2,341	12	5,100	39	8,647	52
Over 249	1,676	4	3,426	19	8,037	74	13,139	97
TOTAL	145,634	5,716	175,441	7,933	314,318	26,025	635,393	39,674
Average Weight	180.4	133.4	183.1	137.0	184.4	137.6	183.2	136.8

*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 Division, Program Support Branch;
RIS: AC 8500-1, Aeromedical Certification Statistical Handbook Computer Run.

ACTIVE AIRMEN BY OCCUPATION, CLASS AND SEX*

As of: December 31, 1991

Occupation Code	First Class		Second Class		Third Class		Total	
	Male	Female	Male	Female	Male	Female	Male	Female
1 - Pilot (Scheduled or Non-Scheduled Airline)	70,498	1,608	394	14	69	8	70,961	1,630
2 - Flight Engineer	1,206	41	2,098	24	29	2	3,333	67
3 - Flight Navigator/Flight Radio Operator	20	-	40	-	6	1	66	1
4 - Business or Executive Pilot	24,387	740	504	17	47	-	24,938	757
5 - Commercial Pilot (Self Employed)	62	2	3,873	94	18	-	3,953	96
6 - Commercial Pilot (Not Self Employed)	244	16	18,373	382	44	1	18,661	399
7 - Aero Application (Agriculture)	62	-	2,817	6	35	1	2,914	7
8 - Air Traffic Controllers**	52	3	1,672	142	96	25	1,820	170
9 - Flight Instructor	5,669	542	4,644	456	32	3	10,345	1,001
0 - Aircraft Mechanic & Fixed Base Operator	582	4	2,594	35	331	5	3,507	44
X - Not Given or Non-Aeronautical Occupation	42,852	2,760	138,432	6,763	313,611	25,979	494,895	35,502
TOTAL	145,634	5,716	175,441	7,933	314,318	26,025	635,393	39,674
								100.0

*Totals are based on active airmen certified within the past 25 months. Occupation was based on response by the airmen in Block 11 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 Division, Program Support Branch;
 Form: AC 8500-1, Aeromedical Certification Statistics Handbook Computer Run.

Table IV.M

EMPLOYERS OF ACTIVE AIRMEN BY
CLASS OF CERTIFICATE ISSUED*
As of: December 31, 1991

Employer	First Class	Second Class	Third Class	Total	Major Percent of Total
Air Wisconsin	247	1	-	248	
Airlift Associates	8	6	-	14	
Alaska Airlines	725	159	3	887	
Aloha Airlines	207	23	-	230	
American Airlines	7,736	1,588	13	9,337	
American Eagle	736	12	1	749	
America West	1,255	18	1	1,274	
Aspen Airways	9	1	-	10	
Atlantic Southeast	385	12	-	397	
Bar Harbor Airlines	12	1	-	13	
Big Sky Airlines	8	2	-	10	
Braniff Airlines	75	8	1	84	
British Airways	62	8	1	71	
Britt Airways	65	3	1	69	
Business Express	224	1	-	225	
China Airlines	37	2	-	39	
Comair, Inc.	603	22	-	625	
Command Airways	11	-	-	11	
Continental Airlines	4,346	58	6	4,410	
Delta Airlines	8,220	67	13	8,300	
Eastern Airlines	969	14	2	985	
Evergreen Airlines	302	94	-	396	
Federal Express	2,033	191	3	2,227	
Florida Airlines	7	1	-	8	
Hawaiian Airlines	287	25	1	313	
Henson Airlines	196	6	1	203	
Horizon Airlines	475	21	5	501	
Japan Airlines	24	77	-	101	
KLM - Royal Dutch Airlines	11	-	-	11	
Korean Airlines	267	98	3	368	
Lufthansa-German Airlines	30	198	-	228	
Mesa Airlines	186	7	-	193	
Mesaba Airlines	235	2	1	238	
Metro Airlines	266	17	-	283	
Midway Airlines	714	33	1	748	
Nashville Eagle	34	3	1	38	
Northwest Airlines	5,604	80	6	5,690	
Pan Amer. World Airways	2,091	184	7	2,282	
Pennsylvania Airlines	152	2	-	154	
Piedmont Aviation	11	2	-	13	
Saudi Arabian Airlines	1,072	127	2	1,201	
Simmons	150	3	2	155	
Southwest Airlines	1,057	18	1	1,076	
Trans World Airlines	3,288	93	7	3,388	
Trump Shuttle	213	5	-	218	

Table IV.M (Continued)

EMPLOYERS OF ACTIVE AIRMEN BY
CLASS OF CERTIFICATE ISSUED*
As of: December 31, 1991

Employer	First Class	Second Class	Third Class	Total	Major Percent of Total
U.S. Air	5,926	355	9	6,290	
United Airlines	7,437	661	22	8,120	
West Air	645	24	-	669	
World Airways	140	44	1	185	
Zantop Airways	169	13	-	182	
SUBTOTAL - ALL AIRLINES	58,962	4,390	115	63,467	(9.4)
Federal Aviation Adm.	710	5,778	314	6,802	(1.0)
Government, other than Military or FAA, includes State and Local Government	763	1,543	68	2,374	(0.4)
Aircraft Industry	479	408	32	919	(0.1)
Industry, other than aircraft	4,299	2,405	31	6,735	(1.0)
Fixed Base Operation (Flying schools, etc.)	5,220	6,396	221	11,837	(1.8)
Self Employed	4,500	7,398	115	12,013	(1.8)
Other	30,793	13,495	138	44,426	(6.6)
Not Applicable	39,044	130,425	338,617	508,086	(75.3)
Air Force	4,045	5,179	369	9,593	(1.4)
Army	600	3,249	89	3,938	(0.6)
Coast Guard	180	151	6	337	(0.0+)
Marines and Navy	1,681	2,390	131	4,202	(0.6)
National Aeronautics and Space Adm.	74	167	97	338	(0.0+)
SUBTOTAL - ALL OTHERS	92,388	178,984	340,228	611,600	(90.6)
TOTAL	151,350	183,374	340,343	675,067	(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 Division,
Program Support Branch; 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, 1991, by class of medical certificate issued.

Table V.A

ACTIVE AIRMEN BY NUMBER OF RESTRICTIONS
CARRIED, CLASS AND SEX*
As of: December 31, 1991

Number of Restrictions	First Class		Second Class		Third Class		Total Airmen		Total Airmen	Total Restriction
	Male	Female	Male	Female	Male	Female	Male	Female		
1	56,079	1,881	92,989	4,048	163,097	13,614	312,165	19,543	331,708	331,708
2	736	6	1,817	34	8,102	175	10,655	215	10,870	21,740
3	22	-	137	-	263	6	422	6	428	1,284
4	1	-	3	-	9	-	13	-	13	52
5	-	-	-	-	1	-	1	-	1	5
6	-	-	-	-	-	-	-	-	-	-
More than 6	-	-	-	-	-	-	-	-	-	-
Total Airmen	56,838	1,887	94,946	4,082	171,472	13,795	323,256	19,764	343,020	354,789

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

Source: Civil Aeromedical Institute, Aeromedical Certification Division, Program Support Branch;
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, 1991

Restriction	First Class		Second Class		Third Class		Total Airmen	
	Male	Female	Male	Female	Male	Female	Male	Female
Must Have Available Glasses for Near Vision	16,333	77	17,357	412	34,486	1,930	68,176	2,419
Must Wear Corrective Lenses	27,520	1,504	47,074	2,510	82,648	7,993	157,242	12,007
Must Wear Glasses for Near and Distant Vision	3,857	87	10,571	325	18,221	1,203	32,649	1,615
Must Wear Lenses for Distant Vision and Possess Glasses for Near Vision	8,547	211	18,911	807	31,199	2,565	58,657	3,583
Must Wear Prismatic Correction	6	-	6	-	12	1	24	1
Must Wear Corrective Lenses: Extra Pair Must Be Available	19	-	72	9	92	10	183	19
Must Wear Hearing Aid	52	1	207	3	568	17	827	21
Must Wear Artificial Limb	22	-	76	1	148	6	246	7
Oxygen Required When Flying Above 7,999 Feet	1	-	1	-	2	-	4	-
Passenger Carrying Prohibited	2	-	3	-	5	1	10	1
Not Valid for Pilot in Command	-	-	15	4	7	1	22	5

Table V.B (Continued)

FREQUENCY OF RESTRICTIONS AMONG
ACTIVE AIRMEN BY CLASS AND SEX*
As of: December 31, 1991

Restriction	First Class		Second Class		Third Class		Total Airmen	
	Male	Female	Male	Female	Male	Female	Male	Female
Not Valid for Control Tower Operator Duties	2	-	5	-	18	-	25	-
Not Valid for Air Transport Duties	-	-	-	-	6	-	6	-
Not Valid for Night Flying or By Color Signal Control (Color Vision)	210	1	1,069	3	6,377	27	7,656	31
Not Valid for Night Flying (Glaucoma)	2	-	1	-	8	1	11	1
Not Valid for Flying Where Radio Use is Required	-	-	7	-	59	2	66	2
Valid for Flight Service Station or Center Duties Only	-	-	3	-	-	1	3	1
Valid for Flight Test Only	7	-	9	-	7	1	23	1
Second Class Privileges Limited to Crop Dusting	-	-	15	-	-	-	15	-
Second Class Privileges Limited to Flight Engineer Duties	1	-	38	1	2	-	41	1

Table V.B (Continued)

FREQUENCY OF RESTRICTIONS AMONG
ACTIVE AIRMEN BY CLASS AND SEX*
As of: December 31, 1991

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	-	-	4	-	1	-	5	-
Valid for and Limited to ATC Duties Only	1	-	73	11	12	1	86	12
Valid for ATC Duties - Center Only	-	-	3	1	4	-	7	1
Valid for Flight Service Station Duties Only	-	-	4	-	-	-	4	-
Limited to Military Controller Duties	-	-	11	1	5	1	16	2
Valid for Control Tower Duties When Second Controller on Duty	-	-	2	-	6	-	8	-
Valid Only When Accompanied by Another Qualified Pilot	-	-	7	-	1	-	8	-
Valid for Student Pilot Purposes Only	34	2	109	3	1,220	89	1,363	94
Second Class Privileges Limited to Cargo Operations	-	-	-	-	-	-	-	-

Table V.B (Continued)

FREQUENCY OF RESTRICTIONS AMONG
ACTIVE AIRMEN BY CLASS AND SEX*
As of: December 31, 1991

Restriction	First Class		Second Class		Third Class		Total Airmen	
	Male	Female	Male	Female	Male	Female	Male	Female
Time Limitation Restrictions	689	3	985	15	4,332	104	6,006	122
Special Issuance/Panel Restrictions	2	-	5	-	27	2	34	2
Miscellaneous Restrictions	314	7	403	10	658	26	1,375	43
TOTAL	57,621	1,893	97,046	4,116	180,131	13,982	334,798	19,991

*Figures are based on active 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 Division, Program Support Branch;
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, 1991

Class Issued	Frequency**			
	Male	Percent	Female	Percent
First	2,152	(1.5)	1	(0.0+)
Second	4,621	(2.6)	9	(0.0+)
Third	11,294	(3.6)	43	(0.2)
TOTAL	18,067	(2.8)	53	(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 Division, Program Support Branch; RIS: AC 8500-1, Aeromedical Certification Statistical Handbook Computer Run.

Table V.D

ACTIVE AIRMEN WITH WAIVERS
BY CLASS OF SEX*
As of: December 31, 1991

Class Issued	Frequency**			
	Male	Percent	Female	Percent
First	10,622	(7.3)	464	(8.1)
Second	27,783	(15.8)	1,208	(15.2)
Third	17,125	(5.4)	513	(2.0)
TOTAL	55,530	(8.7)	2,185	(5.5)

*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 Division, Program Support Branch; RIS: AC 8500-1, Aeromedical Certification Statistical Handbook Computer Run.