AC 8500-1

1967
AEROMEDICAL CERTIFICATION STATISTICAL HANDBOOK

DEPARTMENT OF TRANSPORTATION

FEDERAL AVIATION ADMINISTRATION

CIVIL AEROMEDICAL INSTITUTE

AEROMEDICAL CERTIFICATION BRANCH

Medical Statistical Section

Table of Contents

Section		Page
I.	AVIATION MEDICAL EXAMINER INFORMATION	
A.	Designated FAA Aviation Medical Examiners by Region	1
B.	Medical Practice of Aviation Medical Examiners	2
C.	Regional Coverage of Aviation Medical Examiners Versus Physicians	3
D.	Aviation Medical Examiner Training Seminars and Attendance	4
E.	Active Aviation Medical Examiners' Highest Level of FAA Seminar Training by Region	5
F.	Physical Examinations Performed by Aviation Medical Examiners	6
G.	Regional Activities of the Aviation Medical Examiner Program	7
H.	Aviation Medical Examiner Data	8
II.	CERTIFICATION ACTIVITY	
A.	Airman Applications for Medical Certification	9
B.	Receipts of Medical Certificate Applications by Class	10
C.	Medical Certification System	11
D.	Medical Applications Processing by the Aeromedical Certification Branch	12
E.	Annual Record of Physical Examinations Submitted to Computer	13
F.	Aeromedical Certification Branch Computer Tape File Summary	14
G.	Aeromedical Certification Branch Medical Qualification Section Correspondence Activity	15

Table of Contents

Section		Page
III.	REFERRALS AND DENIALS	
	A. Medical Reject Pattern (Chart)	16
	B. Medical Reject Pattern (Table)	17
	C. Cases Referred to Regions by the Aeromedical Certification Branch	18
	D. Appeals Considered by the Federal Air Surgeon	19
	E. Reconsideration Actions by the Federal Air Surgeon	20
	F. Petitions Granted or Denied by the Administrator	21
	G. Status of Airmen Who Have Been Granted Exemptions	22
IV.	GENERAL AIRMAN POPULATION DATA	
	A. Regional Distribution of Airmen by Effective Status of Certificate	23
	B. Active Airmen's State of Residence by Sex and Class of Certificate Issued	24
	C. Age Distribution of Medically Certified Airmen (Chart)	26
	D. Age Distribution of Medically Certified First Class Airmen (Chart)	27
	E. Age Distribution of Medically Certified Second Class Airmen (Chart)	28
	F. Age Distribution of Medically Certified Third Class Airmen (Chart)	29
	G. Age Distribution of Active Airmen by Class and Sex (Table)	30
	H. Age Distribution of Airline Pilots (Chart)	31
	I. Age Distribution of Airline Pilots (Table)	32
	J. Age Distribution of Air Traffic Controllers (Chart)	33
	K. Age Distribution of Air Traffic Controllers (Table)	34

Table of Contents

Section		Page
IV.	GENERAL AIRMAN POPULATION DATA (Continued)	
	L. Height Distribution of Active Airmen by Class and Sex	35
	M. Weight Distribution of Active Airmen by Class and Sex	36
	N. Active Airmen by Type of Flying and Class	37
	O. Active Airmen by Occupation, Class and Sex	38
	P. Employers of Active Airmen by Class of Certificate Issued	39
V.	MEDICAL CHARACTERISTICS OF AIRMAN POPULATION	
	A. Selected Critical Pathology Codes of Active Airmen by Class Issued	42
	B. Frequency of Selected Preliminary ECG Diagnosis Codes Among Airman Applicants	43
	C. Active Airmen by Number of Restrictions Carried, Class and Sex	44
	D. Frequency of Restrictions Among Active Airmen by Class and Sex	45
	E. Airmen with Defective Color Vision by Class and Sex	48
	F. Airmen with Waivers by Class and Sex	49
	G. Frequency of Waiver Cause Codes by Class Issued	50

SECTION I

AVIATION MEDICAL EXAMINER INFORMATION

Table I.A

DESIGNATED FAA AVIATION MEDICAL EXAMINERS BY REGION
Annually
January 1, 1966 thru January 1, 1968

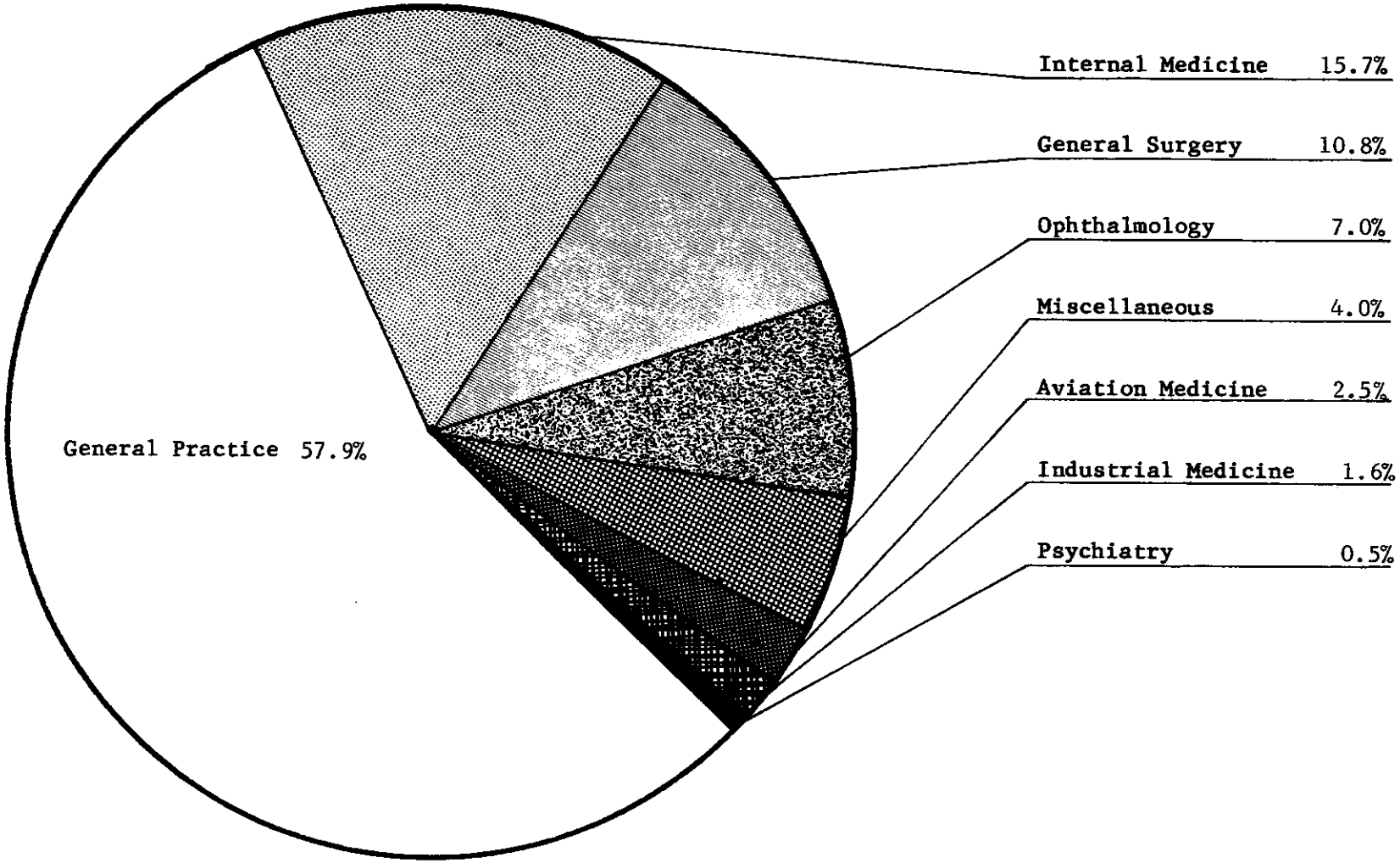
Region	Aviation Medical Examiners		
	January 1, 1966	January 1, 1967	January 1, 1968
Eastern	1,432	1,452	1,460
Southern	695	761	814
Central	1,312	1,364	1,452
Southwestern	687	726	763
Western	1,356	1,370	1,426
Alaskan	48	52	58
Pacific	36	38	42
SUBTOTAL	5,566	5,763	6,015
Military*	707	693	672
International	159	170	211
TOTAL	6,432	6,626	6,898

*Denotes military installations' designations rather than individual physicians.

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

Chart I.B

MEDICAL PRACTICE OF AVIATION MEDICAL EXAMINERS
January 1, 1968



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

Table I.C

REGIONAL COVERAGE OF AVIATION MEDICAL
EXAMINERS VERSUS PHYSICIANS
December 1967

Region	Active Airman Population	AME Population	Ratio AME'S To Airmen	General Population*	Physician Population	Ratio Physicians To Population
Eastern	125,443	1,460	1:86	73,285,000	122,797	1:597
Southern	66,794	814	1:82	27,912,000	29,533	1:945
Central	130,624	1,452	1:90	45,328,000	59,001	1:768
Southwestern	64,554	763	1:85	19,997,000	21,891	1:913
Western	134,923	1,426	1:95	30,330,000	49,555	1:612
Alaskan	4,314	58	1:74	272,000	173	1:1,572
Pacific	1,547	42	1:37	739,000	969	1:763
TOTAL	528,199	6,015	1:88	197,863,000	283,919	1:697

*Resident population - U.S. Bureau of the Census Provisional Estimates for July 1, 1967.

Source: Department of Health, Education and Welfare, Public Health Service, Health Manpower Statistics Branch, December 31, 1966; Civil Aeromedical Institute, Aeromedical Certification Branch, Aviation Medical Examiner Section.

Table I.D

AVIATION MEDICAL EXAMINER TRAINING
SEMINARS AND ATTENDANCE
1960-1967

Year	Seminars	Attendance
1960	1	49
1961	16	1,030
1962	24	1,433
1963	13	1,152
1964	9	1,406
1965	10	1,595
1966*	7	1,186
1967	11	1,281
TOTAL	91	9,132

*Two scheduled seminars were cancelled due to severe limitations of travel funds within the agency.

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

Table I.E

ACTIVE AVIATION MEDICAL EXAMINERS' HIGHEST LEVEL
OF FAA SEMINAR TRAINING BY REGION
December 31, 1967

Region	Total AME'S	First Phase*	Second Phase*
Eastern	1,460	195	964
Southern	814	97	574
Central	1,452	242	958
Southwestern	763	147	544
Western	1,426	205	1,003
Alaskan	58	3	37
Pacific	42	1	21
TOTAL	6,015	890	4,101

*The First Phase and Second Phase were previously referred to as General Training and Advanced Training respectively.

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

Table I.F

PHYSICAL EXAMINATIONS PERFORMED BY
AVIATION MEDICAL EXAMINERS*
Fiscal Year 1967

Examinations Performed	Number		Percent of Total	
	AME's	Examinations	AME's	Examinations
0	224	-	3.8	-
1-14	1,602	10,994	26.8	3.0
15-29	1,256	27,030	21.1	7.3
30-49	1,032	39,945	17.3	10.7
50-99	978	67,222	16.4	18.1
100-299	693	113,255	11.6	30.5
300-599	119	49,596	2.0	13.4
600-999	31	23,937	.5	6.4
1000-1999	21	26,375	.4	7.1
2000 and over	5	12,858	.1	3.5
TOTAL	5,961	371,212	100.0	100.0

*Does not include military or international Aviation Medical Examiners or examinations performed by them.

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

Table I.G

REGIONAL ACTIVITIES OF THE
AVIATION MEDICAL EXAMINER PROGRAM
Calendar Year 1967

Region	Number of AME's Designated 1-1-67	New Designations	Separations	Net Gain	Number of AME's Designated 1-1-68
Eastern	1,452	121	113	8	1,460
Southern	761	80	27	53	814
Central	1,364	135	47	88	1,452
Southwestern	726	67	30	37	763
Western	1,370	124	68	56	1,426
Alaskan	52	11	5	6	58
Pacific	38	6	2	4	42
TOTAL	5,763	544	292	252	6,015

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

Table I.H

AVIATION MEDICAL EXAMINER DATA*
December 31, 1967

A.	Number of Designated Aviation Medical Examiners	6,015
B.	Ratio of Aviation Medical Examiners to Airmen	1:88+
C.	Ratio of Physicians to General Population	1:697
D.	Ratio of Airmen to General Population	1:375
E.	Percentage of Aviation Medical Examiners Who Are Qualified Pilots	44%‡
F.	Percentage of Aviation Medical Examiners Who Were Military Flight Surgeons	16%‡
G.	Percentage of Aviation Medical Examiners Who Participate in Accident Investigation	75%‡
H.	Percentage of Aviation Medical Examiners Who Have Received First Phase Seminar Training	83%‡
I.	Percentage of Aviation Medical Examiners Who Have Received Second Phase Seminar Training	68%‡

*Figures are based on U. S. non-military Aviation Medical Examiner population.

+Based on civilian airmen only.

‡An Aviation Medical Examiner may have been classified in all or only one of these categories.

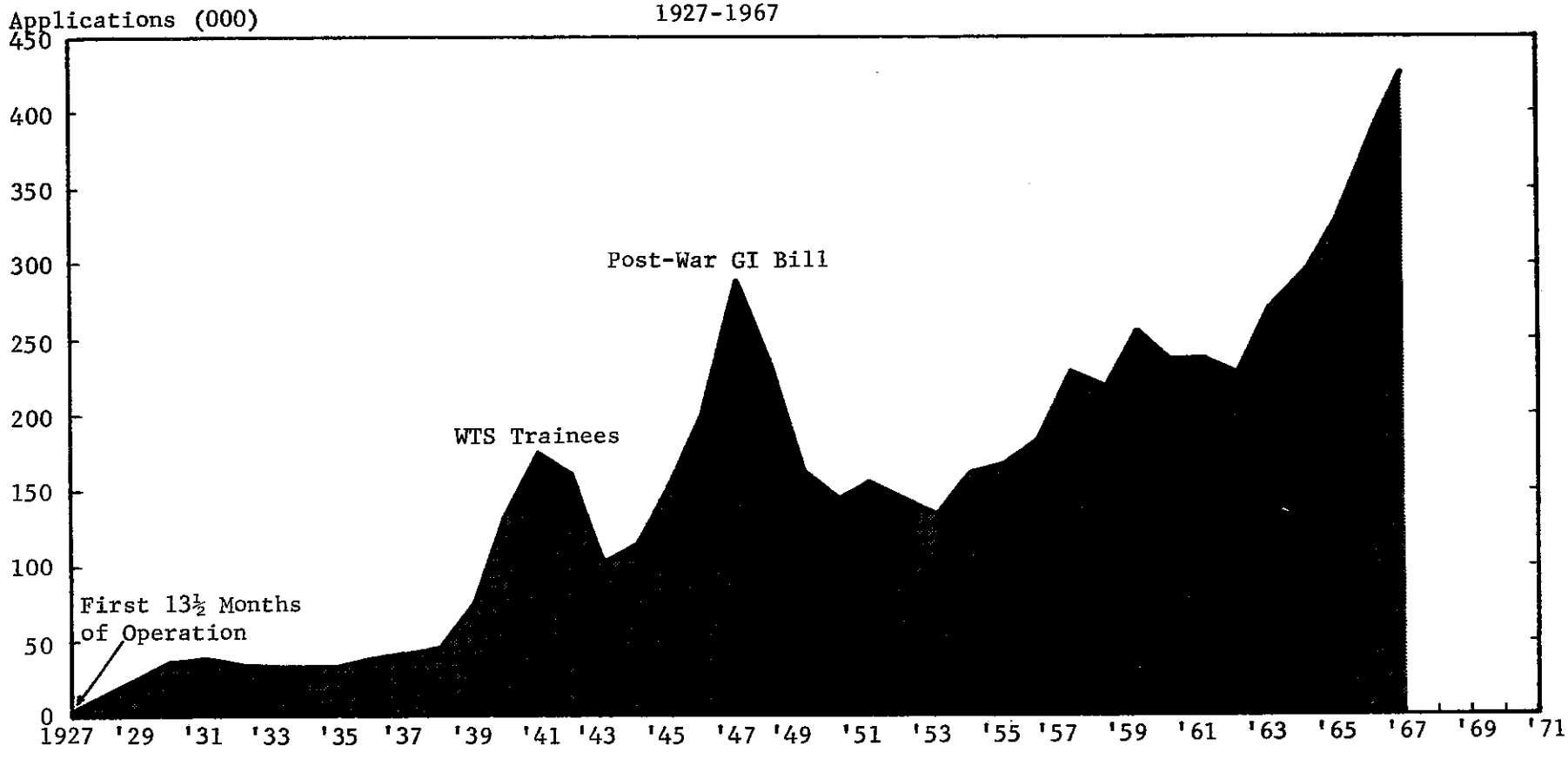
Source: Civil Aeromedical Institute, Aeromedical Certification Branch, Aviation Medical Examiner Section.

SECTION II

CERTIFICATION ACTIVITY

Chart II.A

AIRMAN APPLICATIONS FOR MEDICAL CERTIFICATION
1927-1967



Year	1927	1928	1929	1930	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	1941
Applications	4.2	13.7	28.5	36.8	39.9	35.1	33.6	33.4	32.8	39.1	42.0	46.5	73.2	134.4	172.2
Percentage*		+229.3	+107.8	+29.1	+8.5	-12.2	-4.3	-0.4	-1.9	+19.4	+7.4	+10.8	+57.3	+83.5	+28.2
Year	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956
Applications	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	181.7
Percentage*	-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	+7.8
Year	1957	1958	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971
Applications	229.6	217.9	255.6	237.5	237.3	254.1	271.8	294.7	330.6	387.5	427.6				
Percentage*	+26.3	-5.1	+17.3	- 7.1	- 0.1	+ 7.1	+ 6.9	+ 8.5	+12.2	+17.2	+10.3				

*Percentage of increase or decrease over previous year.

Source: Civil Aeromedical Institute, Aeromedical Certification Branch.

Table II.B

RECEIPTS OF MEDICAL CERTIFICATE
APPLICATIONS BY CLASS*
1960-1967

Year	Total	First Class	Second Class	Third Class
1960	237,509	33,964	84,715	118,830
1961	237,311	33,936	84,644	118,731
1962	254,142	36,342	90,647	127,153
1963	271,764	38,862	96,933	135,969
1964	294,734	42,147	105,126	147,461
1965	330,617	52,006	109,600	169,011
1966	387,537	73,903	124,593	189,041
1967	427,596	80,474	143,458	203,664

*Class distribution for 1960 through 1964 was 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 and 1967 were based on the percentages compiled from the Quarterly Record of Physical Examinations Computer Submission Summary Report (AC 8500-3).

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

Table II.C

MEDICAL CERTIFICATION SYSTEM
1965-1967

Activity	1965	1966	1967
Receipts			
Applications for Medical Certification	330,617	387,537	427,596
Electrocardiograms for First Class Pilots	17,100	18,802	21,729
Miscellaneous Correspondence*	27,961	43,499	50,282
Review Activity			
Applications Containing Medical or Clerical Problems	107,371	131,359	150,011
Applications Referred to Regional Flight Surgeons	13,474	6,983	2,622
Medical Certification Decisions by Federal Air Surgeon	903	463	329
Petitions Considered by Administrator	380	373	392
Number of Abnormalities Detected in Electrocardiograms	3,899	3,907	6,432**

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

**The significant increase in abnormalities detected on ECGs is largely due to an effort to update applications received prior to 1967 with appropriate Critical ECG Codes which were being dropped by the computer process prior to 1967.

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

Table II.D

MEDICAL APPLICATIONS PROCESSING BY THE
AEROMEDICAL CERTIFICATION BRANCH
Calendar Year 1967

Month	Applications Received	Applications Coded for Computer Screening	Applications Screened by Computer*	Applications Requiring Manual Review	Applications Intra-Agency Transmitted
January	26,039	27,139	24,071	7,932	233
February	30,110	30,510	26,013	7,685	424
March	42,402	41,202	43,168	16,478	277
April	31,049	31,457	35,839	11,802	246
May	34,040	33,440	32,809	11,420	227
June	46,495	41,195	42,263	14,963	251
SUBTOTAL	210,135	204,943	204,163	70,280	1,658
July	36,147	41,747	46,002	16,284	302
August	40,357	41,508	39,228	13,939	354
September	36,427	35,462	37,410	12,519	343
October	41,918	40,039	41,497	14,328	354
November	36,212	36,505	32,238	11,288	393
December	26,400	26,900	28,094	11,373	331
SUBTOTAL	217,461	222,161	224,469	79,731	2,077
TOTAL	427,596	427,104	428,632	150,011	3,735

*Figures reflect the number of submissions to the computer rather than applications because an application may have to be submitted to the computer twice before it is placed on tape.

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

Table II.E

ANNUAL RECORD OF PHYSICAL EXAMINATIONS
SUBMITTED TO COMPUTER
Calendar Year 1967

Action	First Class	Second Class	Third Class	Total
Certified				
Clear	63,135	98,518	132,606	294,259
Limited	16,174	38,360	60,389	114,923
Waiver	716	1,334	1,283	3,333
Limited and Waiver	1,339	5,220	2,768	9,327
Special Restriction	180	1,347	6,019	7,546
Special Restriction & Waiver	23	239	235	497
Exemption MAP	14	42	126	182
FAS Approval	1	5	5	11
AME Denied - FAS Approval	4	6	6	16
SUBTOTAL	81,586	145,071	203,437	430,094
Denied				
AME, RFS, AMCB	193	459	1,497	2,149
FAS	1	2	3	6
AME, FAS	-	1	2	3
MAP	8	4	12	24
Administrator	-	-	-	-
Legal or Administrative	26	56	111	193
Granted by MAP & Later Denied	-	-	1	1
SUBTOTAL	228	522	1,626	2,376
Pending*	528	1,159	3,278	4,965
TOTAL PHYSICAL EXAMINATIONS**	82,342	146,752	208,341	437,435
New Applications***	6,004	18,425	83,203	107,632

*Pending total reflects the status of the examination on input and does not reflect the number of pending cases on hand at the end of the year.

**Actual applications accepted on tape in calendar year 1967.

***An application receipt is considered a "new application" if the airman has made no indication of previous FAA Physical Examination and if the total flying time equals the last six months flying time. 954 or 0.9% new applications were denied, 1,878 or 1.7% were pending, and 104,800 or 97.4% were issued for a total of 107,632 new applications.

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

Table II.F

AEROMEDICAL CERTIFICATION BRANCH COMPUTER TAPE FILE SUMMARY
December 31, 1967

Action	Time Lapse Since Date of Last Examination						
	<7 Months	<13 Months	<25 Months	Subtotal	25-36 Months	Over 36 Months	Total
Certified							
First Class	35,390	24,374	14,390	74,154	3,136	N/A	77,290
Second Class	58,210	67,412	61,604	187,226	25,910	N/A	213,136
Third Class	92,703	95,869	175,280	363,852	89,563	N/A	453,415
SUBTOTAL	186,303	187,655	251,274	625,232	118,609	N/A	743,841
Non-Certified							
Pending	813	156	269	1,238	152	N/A	1,390
Denied	1,358	1,438	2,758	5,554	3,014	N/A	8,568
SUBTOTAL	2,171	1,594	3,027	6,792	3,166	N/A	9,958
Link*	N/A	N/A	N/A	N/A	N/A	97,621	97,621
TOTAL	188,474	189,249	254,301	632,024	121,775	97,621	851,420

EFFECTIVE STATUS TOTAL: CLASS 1 = 35,390 CLASS 2 = 149,996 CLASS 3 = 439,846

*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.G

AEROMEDICAL CERTIFICATION BRANCH
MEDICAL QUALIFICATION SECTION
CORRESPONDENCE ACTIVITY
Calendar Year 1967

Activity	Number
Certification	
Issued, Corrected or Duplicate Certificates	4,756
Eligibility Letters	13,616
Issued or Duplicate Waivers	4,586
Further Action Necessary	
Information Requested	21,587
Medical Flight Test Authorization	971
Case Summary for the Federal Air Surgeon	141
Information Requested from the Branch	
Telegram Replies to Airmen/Agency Offices	426
Replies to Insurance Companies	203
Initial Denial Letters	2,173
Miscellaneous Correspondence*	9,469

*Includes Refund Letters, Charge Letters, Second Request Letters, Requests for Return of Medical Certificate, Replies to Airmen and Physician Inquiries, and other miscellaneous letters.

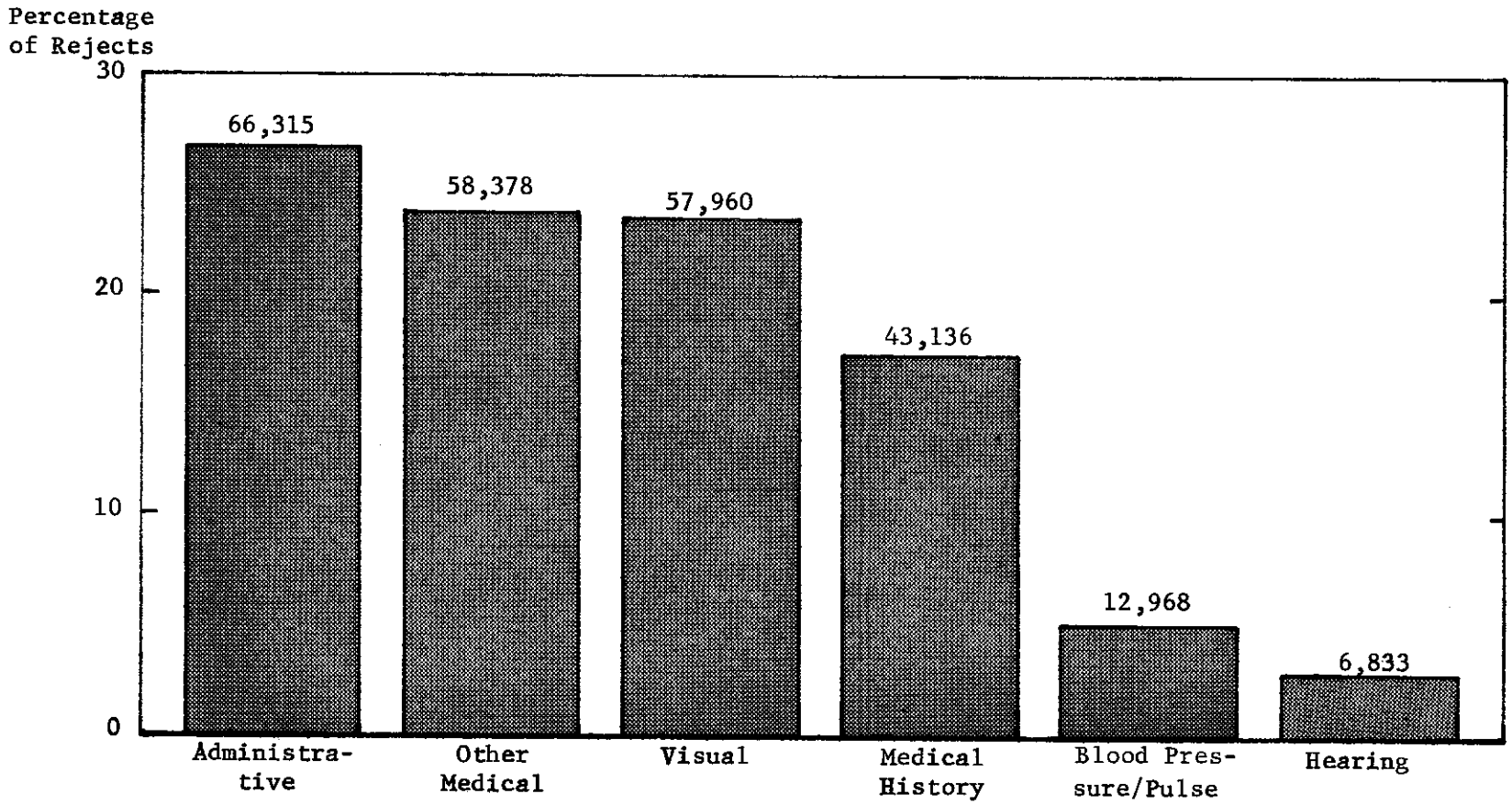
Source: Civil Aeromedical Institute, Aeromedical Certification Branch, Medical Qualification Section.

SECTION III

REFERRALS AND DENIALS

Chart III.A

MEDICAL REJECT PATTERN
Calendar Year 1967



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

Table III.B

MEDICAL REJECT PATTERN
Calendar Year 1967

Reject	Major Category Totals	Percent	Minor Categories	Percent
Visual	57,960	23.6		
Distant Vision			18,187	7.4
Near Vision			13,406	5.4
Intraocular Tension			4,075	1.7
Field of Vision			3,942	1.6
Color Vision			5,917	2.4
Variation in Distant Vision			7,123	2.9
Esophoria or Exophoria			4,366	1.8
Right or Left Hyperphoria			944	0.4
Hearing	6,833	2.8		
Hearing			6,833	2.8
Blood Pressure/Pulse	12,968	5.3		
Blood Pressure			4,079	1.7
Pulse			8,889	3.6
Medical History	43,136	17.5		
Previous Denial Indicated			1,436	0.6
Medical History			40,317	16.3
Previous Exam on Tape Denied			946	0.4
Previous Exemption Case			279	0.1
New Exemption Case			158	0.1
Other Medical Conditions	58,378	23.8		
Denied or Pending			11,115	4.5
Urinalysis			4,640	1.9
Pathology Codes			11,890	4.8
Abnormalities (Items 25-48)			16,116	6.6
Medication			14,617	6.0
Administrative	66,315	27.0		
First Class by Military			196	0.1
Matches Link Record			5,356	2.2
Special Case			474	0.2
Previous Pending			4,778	1.9
Clerical Reject			10,682	4.4
Class Issued Higher Than Applied For			2,395	1.0
First Class over 60 Years of Age			252	0.1
Coded Previous Waiver			8,911	3.6
Re-Submit Exam to Computer			3,466	1.4
Date of ECG for First Class Exams			6,463	2.6
State Code			1,280	0.5
Date of Examination			472	0.2
No Match Between New and Previous Exams			12,951	5.3
Follow-Up Material Not Received*			2	0.0**
Other			8,637	3.5
TOTAL CARDS	245,590	100.0		

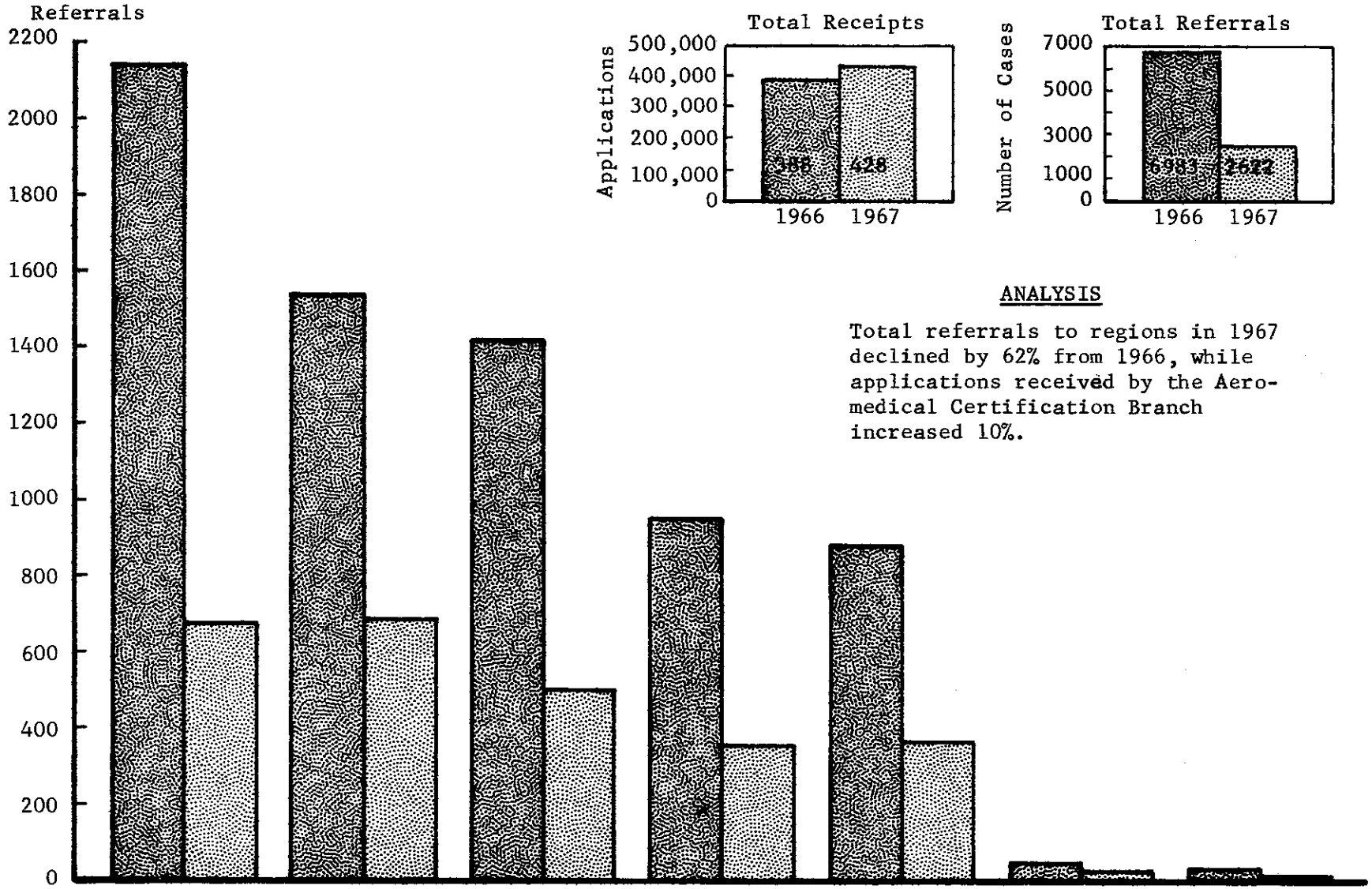
*This edit was implemented on January 27, 1967.

**Less than one-tenth of one percent.

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

Chart III.C

CASES REFERRED TO REGIONS BY THE
AEROMEDICAL CERTIFICATION BRANCH
1966-1967



	WE	EA	CE	SO	SW	AL	PC
1966	30.6%	21.9%	20.1%	13.6%	12.6%	0.7%	0.5%
1967	25.7%	26.0%	19.1%	13.6%	14.0%	1.2%	0.4%

Percent of Total Referrals by Region

Source: Civil Aeromedical Institute, Aeromedical Certification Branch, Document Control Section.

Table III.D

APPEALS CONSIDERED BY
THE FEDERAL AIR SURGEON
1961-1967

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
TOTAL	1,011	2,998	4,009

*Incomplete figures for January through March 1961.

**1967 figures include only reconsideration actions. They do not include opinions and/or other decisions rendered by the Federal Air Surgeon.

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

Table III.E

RECONSIDERATION ACTIONS BY
THE FEDERAL AIR SURGEON*
January 1963 - December 1967

Pathology	First Class	Second Class	Third Class	Total
Issued				
Eye	43	103	117	263
Ear, Nose, Throat	3	1	9	13
Respiratory	2	5	12	19
Cardiovascular	35	52	108	195
Abdominal	1	9	18	28
Nervous/Mental	22	29	117	168
Bone/Joint	2	4	7	13
Muscles	-	1	3	4
Miscellaneous	3	11	35	49
TOTAL	111	215	426	752
Denied				
Eye	61	207	124	392
Ear, Nose, Throat	4	4	7	15
Respiratory	6	9	42	57
Cardiovascular	107	201	707	1,015
Abdominal	10	15	52	77
Nervous/Mental	70	136	374	580
Bone/Joint	-	5	14	19
Muscles	1	3	8	12
Miscellaneous	21	53	181	255
TOTAL	280	633	1,509	2,422

*Figures include only reconsideration actions. They do not include opinions and/or other decisions rendered by the Federal Air Surgeon.

Source: Office of Aviation Medicine, Aeromedical Standards Division; Civil Aeromedical Institute, Aeromedical Certification Branch, Medical Statistical Section.

Table III.F

PETITIONS GRANTED OR DENIED BY
THE ADMINISTRATOR*
1961-1967

Pathology	First Class	Second Class	Third Class	Total
Granted				
Eye	10	19	25	54
Ear, Nose, Throat	-	1	-	1
Respiratory	-	-	4	4
Cardiovascular	6	32	287	325
Abdominal	2	-	6	8
Nervous/Mental	-	12	70	82
Bone/Joint	-	-	1	1
Muscles	-	-	-	-
Miscellaneous	-	2	8	10
TOTAL	18	66	401	485
Denied				
Eye	8	59	22	89
Ear, Nose, Throat	-	1	-	1
Respiratory	3	1	10	14
Cardiovascular	120	204	524	848
Abdominal	3	5	14	22
Nervous/Mental	49	91	214	354
Bone/Joint	1	4	4	9
Muscles	-	-	2	2
Miscellaneous	11	15	95	121
TOTAL	195	380	885	1,460

*Counts are based on number of petitions considered rather than the number of airmen petitioning. Does not include 6 AM-1 grants.

Source: Office of Aviation Medicine, Aeromedical Standards Division.

Table III.G

STATUS OF AIRMEN WHO HAVE BEEN
GRANTED EXEMPTIONS*
1961-1967

Status of Airmen	Number Of Airmen
Exemptions Have Been Granted	484
Are Currently Active Airmen	297
Have Died	14
Grant Terminated:	
Adverse Change in Condition or Failed to Furnish Required Information	26
Currently Meets Medical Standards - Grant No Longer Necessary	14
For Various Personal Reasons Have Not Validated Their Grants	133

*Although airmen may have been granted more than one exemption, they have only been counted once. There are seven airmen who have been granted two exemptions each. This figure also includes six AM-1 grants.

Source: Civil Aeromedical Institute, Aeromedical Certification Branch.

SECTION IV

GENERAL AIRMAN POPULATION DATA

Table IV.A

REGIONAL DISTRIBUTION OF AIRMEN BY
EFFECTIVE STATUS OF CERTIFICATE*
December 31, 1967

Region	First Class	Second Class	Third Class	Total Active Airmen	Pending	Denied
Eastern	8,992	24,305	92,146	125,443	337	1,129
Southern	5,703	14,799	46,292	66,794	109	636
Central	6,266	22,251	102,107	130,624	263	1,331
Southwestern	3,274	14,396	46,884	64,554	148	664
Western	9,591	28,819	96,513	134,923	287	1,339
Alaskan	155	1,018	3,141	4,314	5	31
Pacific	177	466	904	1,547	2	17
U.S. TOTAL	34,158	106,054	387,987	528,199	1,151	5,147
Military+	9	41,766	47,572	89,347	62	299
International	1,223	2,176	4,287	7,686	25	108
TOTAL	35,390	149,996	439,846	625,232	1,238	5,554

*These figures are based on a 25-month summary from the computer tape files.

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

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

Table IV.B

ACTIVE AIRMEN'S STATE OF RESIDENCE
BY SEX AND CLASS OF CERTIFICATE ISSUED*
December 31, 1967

State	First Class		Second Class		Third Class		Total Airmen	
	Male	Female	Male	Female	Male	Female	Male	Female
Alabama	402	-	1,579	33	4,177	282	6,158	315
Alaska	370	1	1,360	26	2,484	231	4,214	258
Arizona	639	1	1,845	64	4,404	371	6,888	436
Arkansas	169	2	1,283	16	2,838	172	4,290	190
California	14,248	47	19,544	518	44,385	3,690	78,177	4,255
Colorado	2,181	13	2,862	50	5,412	432	10,455	495
Connecticut	1,356	4	1,463	26	4,067	276	6,886	306
Delaware	159	-	263	4	762	55	1,184	59
District of Columbia	142	1	198	10	502	53	842	64
Florida	7,242	19	6,702	159	12,003	1,020	25,947	1,198
Georgia	2,637	5	2,416	20	5,803	307	10,856	332
Hawaii	436	-	483	6	638	55	1,557	61
Idaho	197	1	763	15	2,013	121	2,973	137
Illinois	4,071	5	5,170	132	16,511	1,000	25,752	1,137
Indiana	783	2	2,511	74	8,860	566	12,154	642
Iowa	301	-	1,683	27	6,755	413	8,739	440
Kansas	1,034	6	2,537	52	7,425	619	10,996	677
Kentucky	221	2	972	16	2,863	173	4,056	191
Louisiana	739	3	2,042	18	3,840	207	6,621	228
Maine	103	-	431	1	1,383	69	1,917	70
Maryland	697	4	1,318	18	4,002	272	6,017	294
Massachusetts	1,617	11	1,973	55	4,797	298	8,387	364
Michigan	1,281	5	3,607	104	13,408	765	18,296	874
Minnesota	2,634	3	2,697	39	8,403	410	13,734	452
Mississippi	178	-	1,058	19	2,748	159	3,984	178
Missouri	1,751	2	2,677	66	8,309	563	12,737	631
Montana	163	1	1,010	28	2,688	225	3,861	254

Table IV.B (Continued)

ACTIVE AIRMEN'S STATE OF RESIDENCE
BY SEX AND CLASS OF CERTIFICATE ISSUED*
December 31, 1967

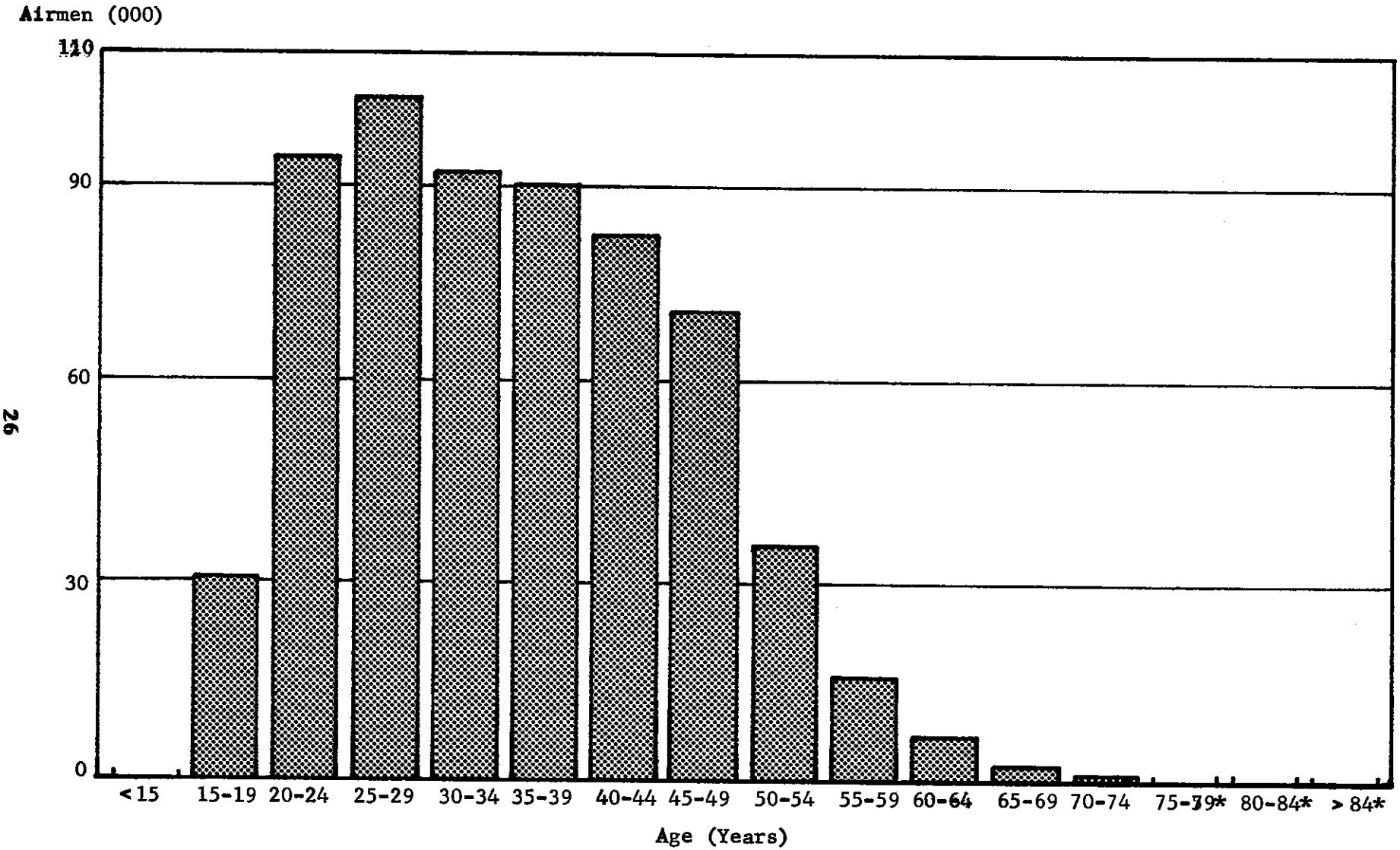
State	First Class		Second Class		Third Class		Total Airmen	
	Male	Female	Male	Female	Male	Female	Male	Female
Nebraska	198	4	1,012	10	3,794	241	5,004	255
Nevada	242	1	888	13	1,634	155	2,764	169
New Hampshire	402	1	525	9	969	69	1,896	79
New Jersey	3,034	4	2,622	51	7,586	452	13,242	507
New Mexico	198	1	1,191	19	2,929	261	4,318	281
New York	4,512	10	6,106	117	15,209	935	25,827	1,062
North Carolina	656	2	1,520	25	4,950	256	7,126	283
North Dakota	73	-	642	8	1,824	81	2,539	89
Ohio	1,490	4	4,746	94	15,443	963	21,679	1,061
Oklahoma	749	5	2,440	48	6,083	465	9,272	518
Oregon	448	1	1,922	46	5,433	409	7,803	456
Pennsylvania	1,679	5	3,582	66	11,007	641	16,268	712
Rhode Island	147	-	214	5	580	33	941	38
South Carolina	326	2	790	10	2,014	124	3,130	136
South Dakota	82	-	508	10	1,757	102	2,347	112
Tennessee	716	1	1,762	32	4,367	253	6,845	286
Texas	4,956	8	9,720	138	22,311	1,587	36,987	1,733
Utah	367	1	962	16	2,103	120	3,432	137
Vermont	45	-	215	8	527	45	787	53
Virginia	1,720	3	2,173	35	4,666	292	8,559	330
Washington	2,647	7	3,412	65	8,150	513	14,209	585
West Virginia	99	1	380	6	1,196	42	1,675	49
Wisconsin	650	1	1,700	21	6,329	372	8,679	394
Wyoming	82	-	475	15	1,114	87	1,671	102
U. S. CIVILIAN TOTAL	71,269	200	119,954	2,463	313,455	21,302	504,678	23,965
Military + NASA	122	-	62,815	377	25,889	822	88,826	1,199
International	2,556	7	1,592	25	2,280	104	6,428	136
TOTAL AIRMEN	73,947	207	184,361	2,865	341,624	22,228	599,932	25,300

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

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

Chart IV.C

AGE DISTRIBUTION OF MEDICALLY CERTIFIED AIRMEN
December 31, 1967

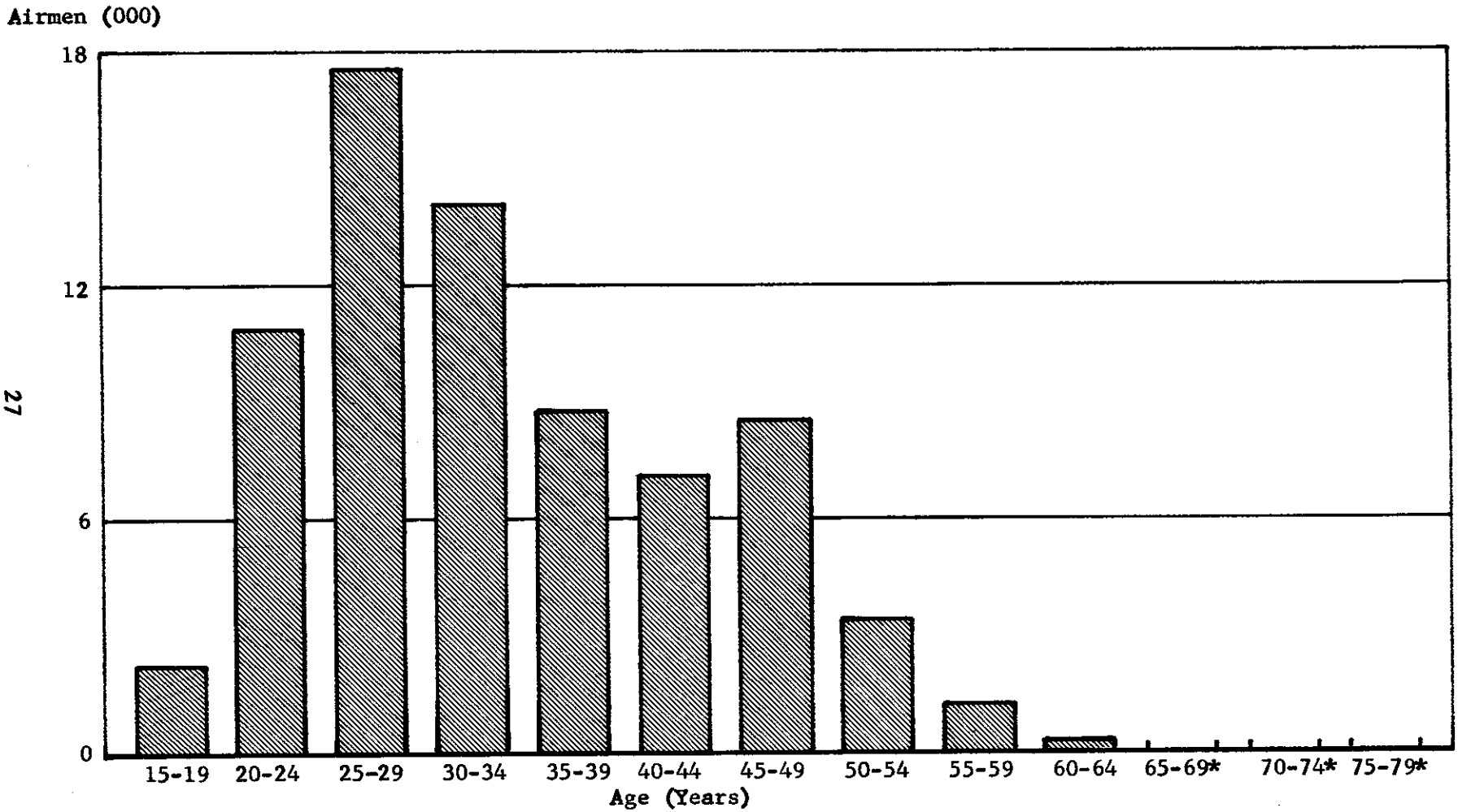


*Brackets are indicative of age class intervals wherein magnitudes are not apparent on this scale. In such instances, the accompanying table (Table IV.G) should be consulted for frequencies.

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

Chart IV.D

AGE DISTRIBUTION OF MEDICALLY CERTIFIED FIRST CLASS AIRMEN
December 31, 1967

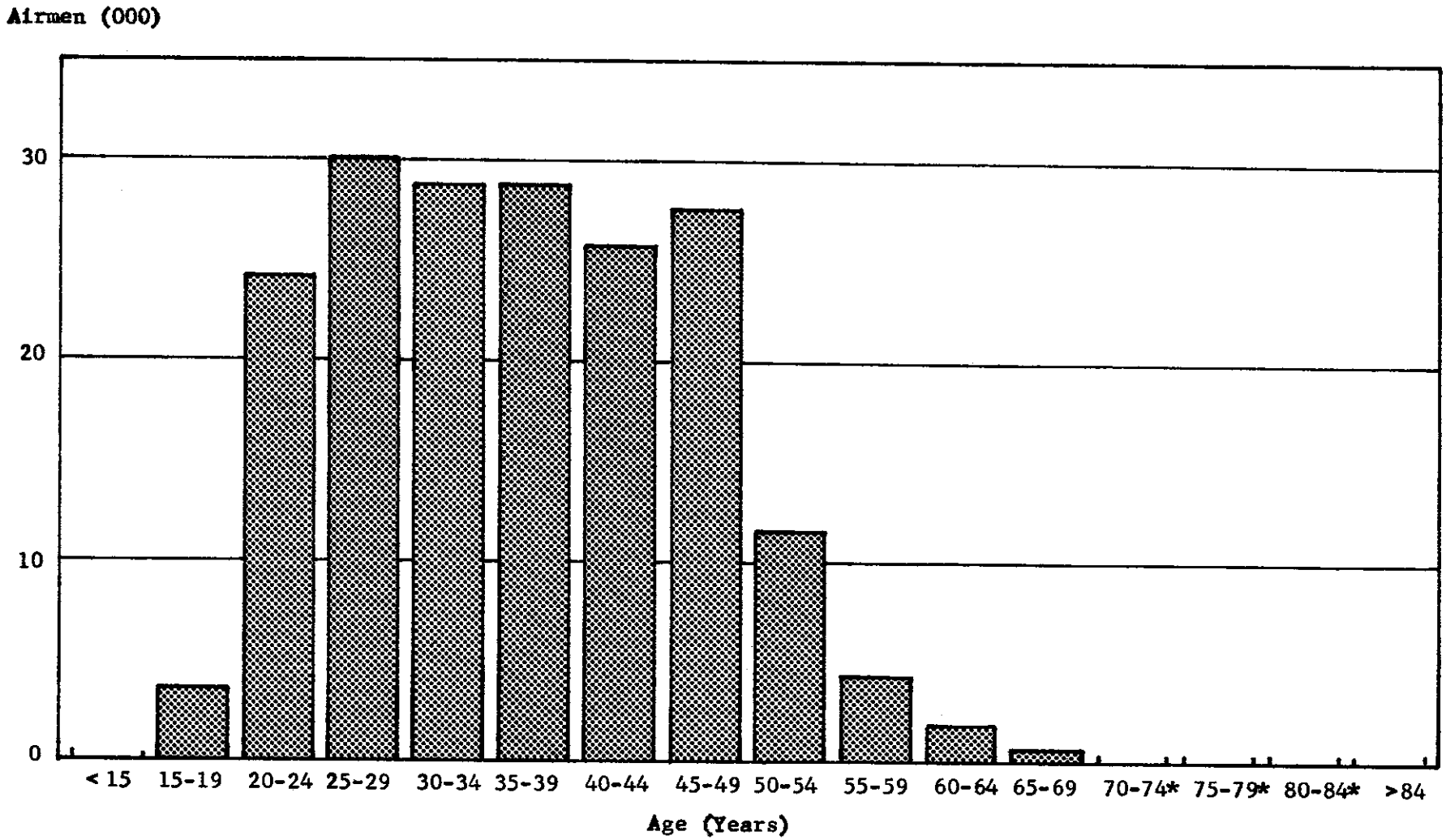


*Brackets are indicative of age class intervals wherein magnitudes are not apparent on this scale. In such instances, the accompanying table (Table IV.G) should be consulted for frequencies.

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

Chart IV.E

AGE DISTRIBUTION OF MEDICALLY CERTIFIED SECOND CLASS AIRMEN
December 31, 1967

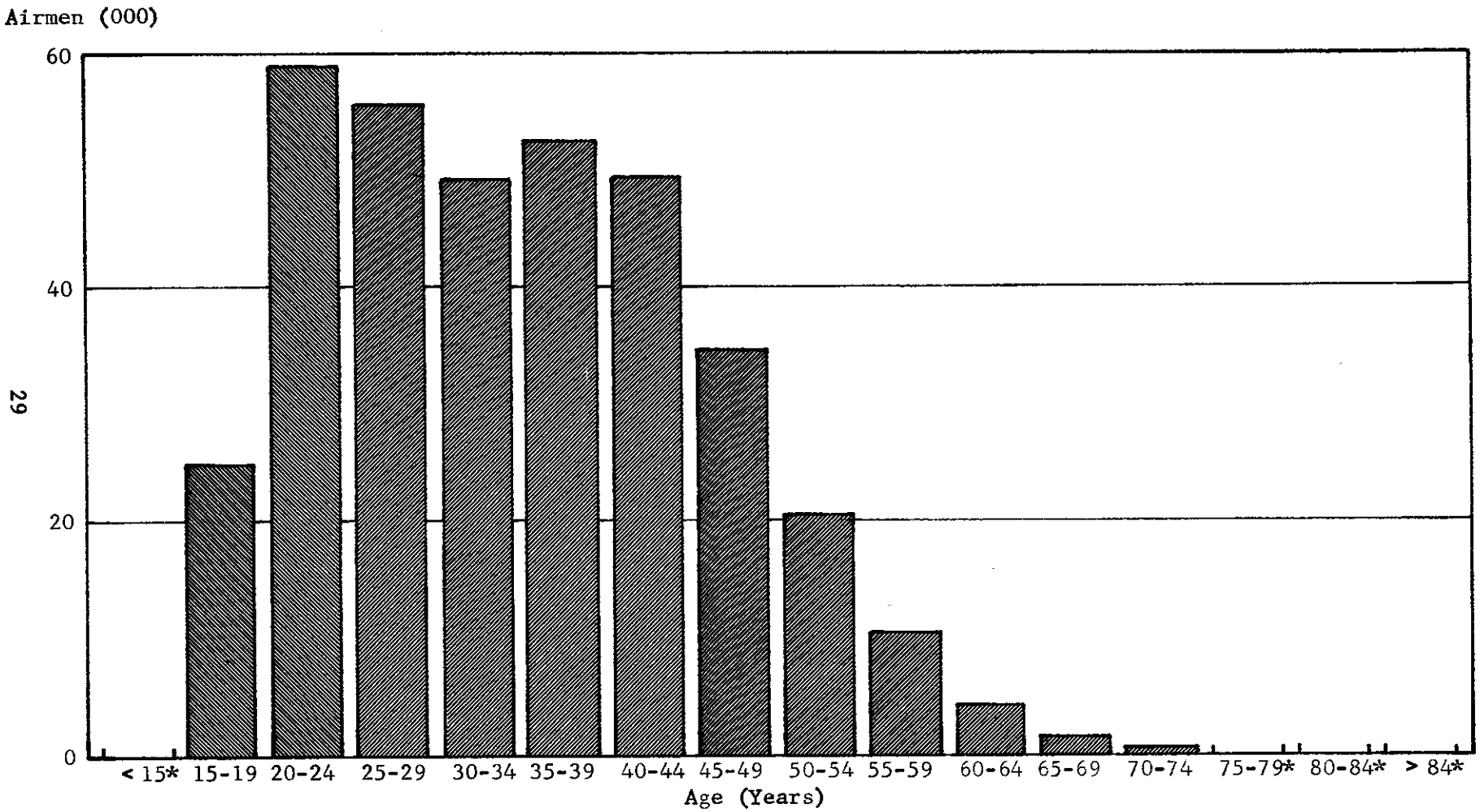


*Brackets are indicative of age class intervals wherein magnitudes are not apparent on this scale. In such instances, the accompanying table (Table IV.G) should be consulted for frequencies.

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

Chart IV.F

AGE DISTRIBUTION OF MEDICALLY CERTIFIED THIRD CLASS AIRMEN
December 31, 1967



*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.

Table IV.G

AGE DISTRIBUTION OF ACTIVE AIRMEN
BY CLASS AND SEX*
December 31, 1967

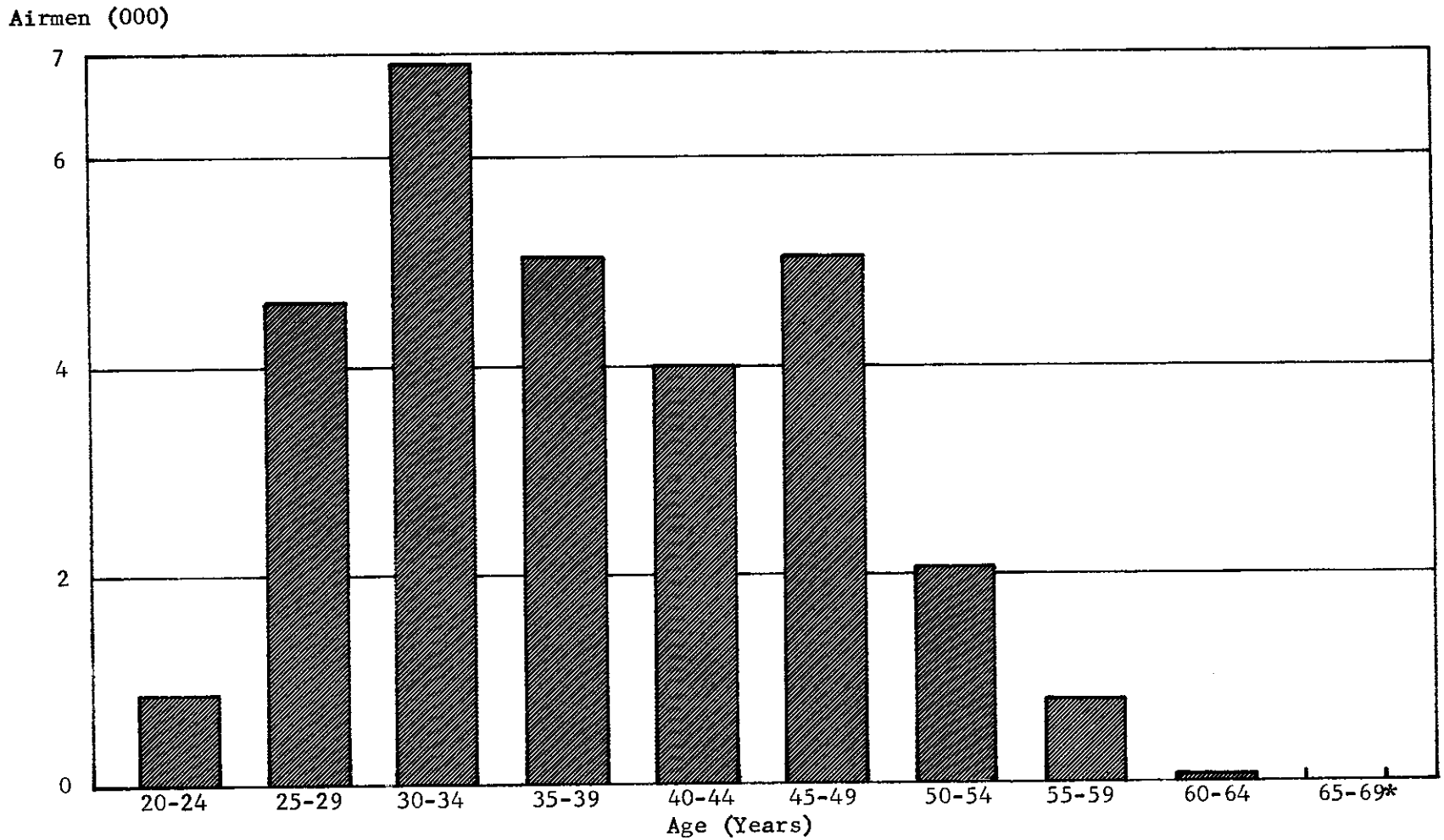
Age	First Class		Second Class		Third Class		Total	
	Male	Female	Male	Female	Male	Female	Male	Female
Less than 15	-	-	-	-	20	4	20	4
15 - 19	2,172	10	3,267	133	23,001	1,964	28,440	2,107
20 - 24	10,823	45	23,851	465	55,411	3,802	90,085	4,312
25 - 29	17,559	37	29,782	345	51,938	3,738	99,279	4,120
30 - 34	14,089	29	28,460	353	45,794	3,235	88,343	3,617
35 - 39	8,772	22	28,473	370	49,242	3,415	86,487	3,807
40 - 44	7,042	25	25,444	422	46,608	2,761	79,094	3,208
45 - 49	8,520	24	27,196	398	32,778	1,854	68,494	2,276
50 - 54	3,384	10	11,266	216	19,908	920	34,558	1,146
55 - 59	1,226	4	4,148	100	10,103	370	15,477	474
60 - 64	311	1	1,765	47	4,510	111	6,586	159
65 - 69	41	-	557	15	1,618	39	2,216	54
70 - 74	7	-	128	-	537	9	672	9
75 - 79	1	-	21	1	127	5	149	6
80 - 84	-	-	2	-	24	1	26	1
85 and over	-	-	1	-	5	-	6	-
TOTAL	73,947	207	184,361	2,865	341,624	22,228	599,932	25,300

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

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

Chart IV.H

AGE DISTRIBUTION OF AIRLINE PILOTS
December 31, 1967



*Bracket is indicative of age class interval wherein magnitude is not apparent on this scale. Refer to accompanying table (Table IV.I) for frequency.

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

Table IV.I

AGE DISTRIBUTION OF AIRLINE PILOTS*
December 31, 1967

Age Group (1)	Airline Pilots (2)	Certified First Class Airmen (3)	Percent of Total	
			Airline Pilots (4)	Certified First Class Airmen (5)
20 - 24	877	10,868	3.0	15.1
25 - 29	4,636	17,596	15.8	24.5
30 - 34	6,877	14,118	23.4	19.6
35 - 39	5,024	8,794	17.1	12.2
40 - 44	4,009	7,067	13.6	9.8
45 - 49	5,047	8,544	17.2	11.9
50 - 54	2,044	3,394	7.0	4.7
55 - 59	783	1,230	2.7	1.7
60 - 64	71	312	0.2	0.4
65 - 69	2	41	0.0+	0.1
TOTAL	29,370	71,964	100.0	100.0

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

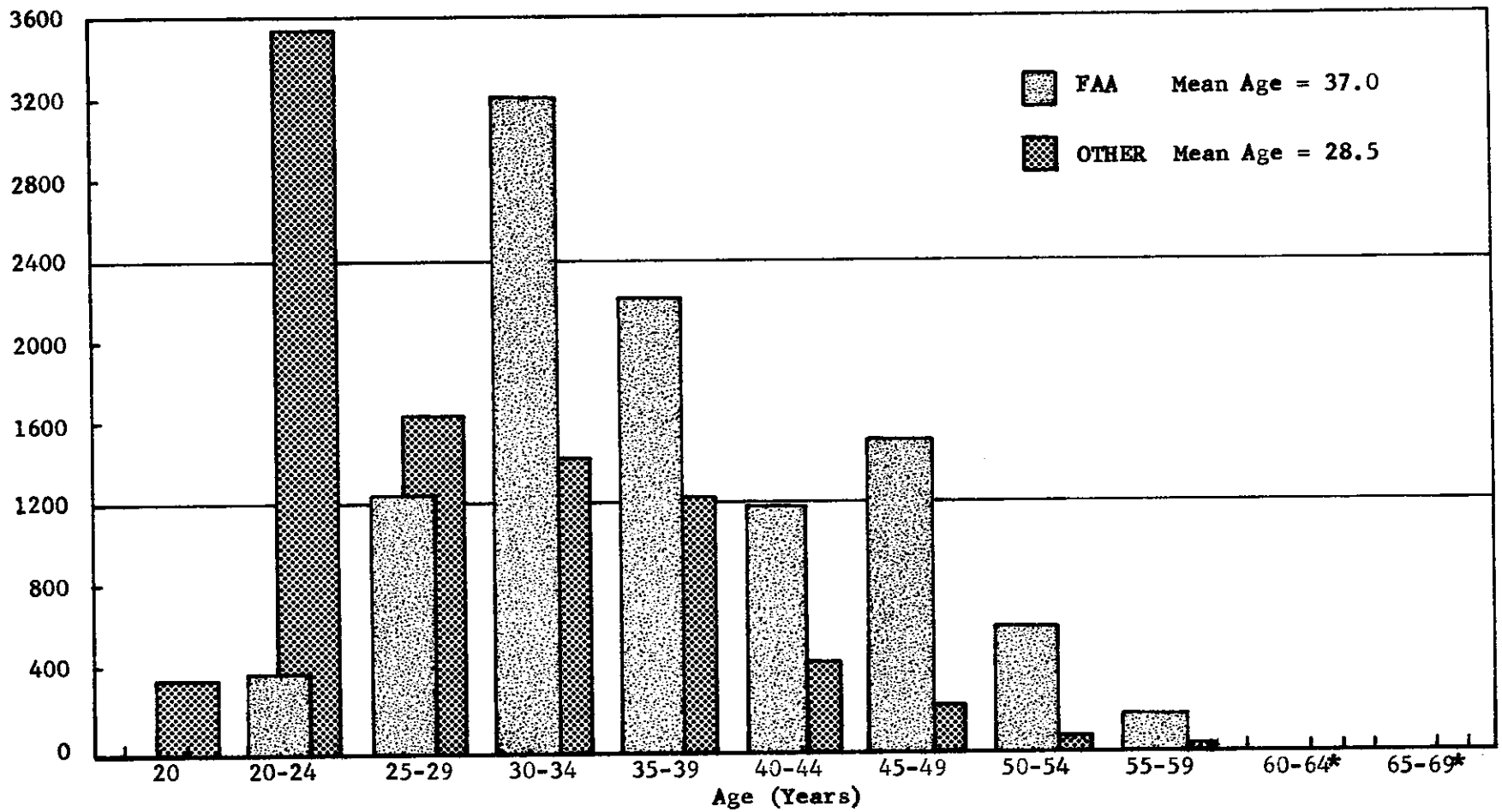
+Less than one-tenth of one percent.

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

Chart IV.J

AGE DISTRIBUTION OF AIR TRAFFIC CONTROLLERS

December 31, 1967



*Brackets are indicative of age class intervals wherein magnitude is not apparent on this scale. Refer to accompanying table (Table IV.K) for frequency.

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

Table IV.K

AGE DISTRIBUTION OF AIR TRAFFIC CONTROLLERS*
December 31, 1967

Age	FAA ATC'S	Other ATC'S
Less than 20	2	334
20 - 24	348	3,568
25 - 29	1,225	1,648
30 - 34	3,220	1,416
35 - 39	2,220	1,237
40 - 44	1,190	401
45 - 49	1,537	199
50 - 54	561	30
55 - 59	134	6
60 - 64	22	3
65 - 69	4	-
Over 69	-	-
TOTAL	10,463	8,842

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

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

Table IV.L

HEIGHT DISTRIBUTION OF ACTIVE AIRMEN
BY CLASS AND SEX*
December 31, 1967

Height In Inches	First Class		Second Class		Third Class		Total	
	Male	Female	Male	Female	Male	Female	Male	Female
Less than 59	231	3	686	28	1,066	225	1,983	256
59	117	2	269	15	445	122	831	139
60	131	4	311	74	573	714	1,015	792
61	50	7	133	91	403	936	586	1,034
62	58	25	157	286	550	2,413	765	2,724
63	64	26	286	332	954	2,732	1,304	3,090
64	212	29	1,160	486	2,500	3,602	3,872	4,117
65	500	26	2,437	424	5,438	3,489	8,375	3,939
66	1,785	35	6,946	440	13,456	3,250	22,187	3,725
67	4,173	29	11,992	306	22,544	2,263	38,709	2,598
68	7,982	13	20,952	210	37,845	1,331	66,779	1,554
69	9,090	4	22,834	95	39,503	615	71,427	714
70	12,249	1	29,904	44	55,366	292	97,519	337
71	10,926	1	27,068	14	50,167	118	88,161	133
72	12,399	2	28,554	14	51,221	57	92,174	73
73	6,406	-	14,066	2	26,734	20	47,206	22
74	4,482	-	9,659	-	18,188	21	32,329	21
75	1,963	-	3,987	1	7,987	8	13,937	9
Over 75	1,129	-	2,960	3	6,684	20	10,773	23
TOTAL	73,947	207	184,361	2,865	341,624	22,228	599,932	25,300

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

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

Table IV.M

WEIGHT DISTRIBUTION OF ACTIVE AIRMEN
BY CLASS AND SEX*
December 31, 1967

Weight In Pounds	First Class		Second Class		Third Class		Total	
	Male	Female	Male	Female	Male	Female	Male	Female
Less than 90	69	-	101	10	232	46	402	56
90 - 99	1	5	2	29	43	322	46	356
100 - 109	17	17	41	208	256	1,832	314	2,057
110 - 119	100	46	260	515	1,169	4,647	1,529	5,208
120 - 129	528	55	1,404	701	4,601	5,967	6,533	6,723
130 - 139	2,017	45	5,436	649	13,562	4,431	21,015	5,125
140 - 149	5,063	15	12,936	383	27,389	2,411	45,388	2,809
150 - 159	9,770	7	24,064	171	44,141	1,169	77,975	1,347
160 - 169	13,707	7	32,796	103	56,549	615	103,052	725
170 - 179	14,596	6	34,308	34	57,955	367	106,859	407
180 - 189	12,324	1	29,863	33	50,372	177	92,559	211
190 - 199	7,644	1	20,092	13	34,897	102	62,633	116
200 - 209	4,121	-	11,057	6	21,131	49	36,309	55
210 - 219	2,175	1	6,138	4	13,032	34	21,345	39
220 - 229	1,020	-	3,027	3	7,459	21	11,506	24
230 - 239	454	-	1,489	2	4,023	11	5,966	13
240 - 249	180	-	624	1	2,112	8	2,916	9
Over 249	161	1	723	-	2,701	19	3,585	20
TOTAL	73,947	207	184,361	2,865	341,624	22,228	599,932	25,300

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

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

Table IV.N

ACTIVE AIRMEN BY TYPE OF
FLYING AND CLASS*
December 31, 1967

Class Issued	Type of Flying	
	Business	Pleasure+
First	54,426	19,728
Second	72,273	114,953
Third	50,480	313,372
TOTAL	177,179	448,053

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

+If type of flying was not given, it was classified as "pleasure".

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

Table IV.0

AIRMEN BY OCCUPATION, CLASS AND SEX*
December 31, 1967

Occupation Code	First Class		Second Class		Third Class		Total	
	Male	Female	Male	Female	Male	Female	Male	Female
1 - Pilot (Scheduled or Non-Scheduled Airline)	31,003	8	370	2	35	1	31,408	11
2 - Flight Engineer	1,653	-	2,771	1	28	-	4,452	1
3 - Flight Navigator/Flight Radio Operator	60	-	527	-	16	-	603	-
4 - Business or Executive Pilot	8,001	15	141	-	25	2	8,167	17
5 - Commercial Pilot (Self-Employed)	33	-	2,748	38	30	2	2,811	40
6 - Commercial Pilot (Not Self-Employed)	76	-	8,107	51	31	-	8,214	51
7 - Aero Application (Agriculture)	63	-	1,719	-	21	-	1,803	-
8 - Air Traffic Controller	185	-	25,118	305	175	4	25,478	309
9 - Flight Instructor	1,787	37	2,687	140	12	-	4,486	177
0 - Other Aeronautical Occupation	1,785	2	3,235	22	2,917	47	7,937	71
X - Not Given or Non-Aeronautical Occupation	29,301	145	136,938	2,306	338,334	22,172	504,573	24,623
TOTAL	73,947	207	184,361	2,865	341,624	22,228	599,932	25,300

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

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

Table IV.P

EMPLOYERS OF ACTIVE AIRMEN
BY CLASS OF CERTIFICATE ISSUED*
December 31, 1967

Employer	First Class	Second Class	Third Class	Total
Admiral Air Service	-	-	-	-
Aerovias Sud Americana	-	-	-	-
Air America, Inc.	519	11	1	531
Airide, Inc.	-	-	-	-
Airline Transport Carriers, Inc.	-	-	-	-
Alaska Airlines	104	27	7	138
Alaska Coastal Airlines	20	20	4	44
Alaska Helicopters, Inc.	-	1	-	1
Allegheny Airlines, Inc.	370	12	14	396
Aloha Airlines, Inc.	69	2	1	72
American Export and Import Co.	-	-	-	-
American Airlines, Inc.	3,383	762	89	4,234
American Flyers Airlines Corp.	69	32	-	101
Argonaut Airways Corp.	-	-	-	-
Atlantic Aviation Transport, Inc.	16	6	2	24
Associated Air Transport, Inc.	-	-	-	-
Avalon Air Transport, Inc.	-	-	-	-
Blatz Airlines, Inc.	-	-	-	-
Bonanza Air Lines, Inc.	130	7	4	141
Braniff Airways, Inc.	1,220	43	20	1,283
California Air Freight, Inc.	-	-	-	-
Capitol Airways, Inc.	125	78	4	207
Caribbean Atlantic Airlines, Inc.	23	6	1	30
Central Airlines, Inc.	104	8	10	122
Chicago Helicopter Airways, Inc.	2	-	-	2
Congressional Flying Service	-	1	-	1
Continental Air Lines, Inc.	816	54	24	894
Cordova Airlines, Inc.	7	4	1	12
Currey Air Transport, Ltd.	-	-	-	-
Delta Airlines, Inc.	1,646	79	49	1,774
East Coast Flying Service, Inc.	7	2	-	9
Eastern Airlines, Inc.	3,339	193	57	3,589
Edde Airlines, Inc.	-	-	-	-
Ellis Air Lines	-	-	-	-
Executive Business Transportation, Inc.	39	11	2	52
Fairways Corporation	4	-	-	4
Farrair	-	-	-	-
Flying Tiger Lines, Inc.	401	176	18	595
Frontier Airlines, Inc.	323	8	10	341
Golden Gate Airways	-	-	-	-
Great Lakes Airlines, Inc.	1	-	-	1
Hawaiian Airlines, Ltd.	99	1	1	101
Holiday Inns of America	9	3	1	13

Table IV.P (Continued)

EMPLOYERS OF ACTIVE AIRMEN
BY CLASS OF CERTIFICATE ISSUED*
December 31, 1967

Employer	First Class	Second Class	Third Class	Total
Interior Airways, Inc.	11	5	1	17
Intercontinental, U.S., Inc.	-	-	-	-
Imperial Airlines, Inc.	-	-	-	-
Johnson Flying Service, Inc.	5	1	-	6
Kodiak Airways	2	5	1	8
Lake Central Airlines, Inc.	200	15	11	226
Las Vegas Hacienda, Inc.	-	-	-	-
Latrobe Aviation, Inc.	-	-	-	-
Los Angeles Airways, Inc.	36	5	4	45
Mackey Airlines, Inc.	5	-	-	5
Mercer Enterprises	8	-	-	8
Modern Air Transport	109	32	2	143
Mohawk Airlines, Inc.	331	10	17	358
National Airlines, Inc.	490	245	12	747
New York Airways, Inc.	38	12	-	50
North Central Airlines, Inc.	376	23	13	412
Northeast Airlines, Inc.	461	31	12	504
Northern Consolidated Airlines, Inc.	12	5	3	20
Northern Express Airways, Inc.	-	1	-	1
Northwest Airlines, Inc.	1,208	82	36	1,326
Overseas National Airways	55	31	-	86
Ozark Airlines	294	18	14	326
Pacific Air Lines, Inc.	158	8	7	173
Pacific Northern Airlines, Inc.	44	13	8	65
Pacific Southwest Airlines, Inc.	144	46	5	195
Pan American Grace Airways, Inc.	5	1	1	7
Pan American World Overseas Airways, Inc.	3,017	550	81	3,648
Pan American World (Latin) Airways, Inc.	14	4	3	21
Paul Mantz Air Service	-	-	-	-
Piedmont Aviation, Inc.	335	30	20	385
Purdue Aeronautics, Inc.	2	-	1	3
Quaker City Airways, Inc.	-	-	-	-
Reeve Aleutian Airways, Inc.	15	5	1	21
Remmert-Werner, Inc.	1	2	-	3
Resort Airlines, Inc.	-	-	-	-
Riddle Airlines, Inc.	431	142	3	576
Samoan Airlines, Ltd.	-	-	-	-
Saturn Airways, Inc.	165	89	-	254
Seaboard World Airlines, Inc.	146	123	2	271
Seven Seas Airlines, Inc.	-	-	-	-
Skyvan Airways, Inc.	-	-	-	-
Slick Airways, Inc.	25	20	2	47
Sourdough Air Transport	2	1	-	3

Table IV.P (Continued)

EMPLOYERS OF ACTIVE AIRMEN
BY CLASS OF CERTIFICATE ISSUED*
December 31, 1967

Employer	First Class	Second Class	Third Class	Total
Southeast Aircraft Corp.	4	1	-	5
South Pacific Airlines, Inc.	-	-	-	-
Southern Airways, Inc.	291	412	31	734
Southern Air Transport, Inc.	39	24	-	63
Standard Airways	53	14	1	68
Stewart Air Service	-	-	-	-
Trans-Alaskan Airlines, Inc.	-	-	-	-
Trans Caribbean Airways, Inc.	64	14	1	79
Trans International Airways, Inc.	68	39	1	108
Trans Sierra Airways, Inc.	-	-	-	-
Trans-Texas Airways	303	14	18	335
Trans World Airlines, Inc.	3,644	459	118	4,221
United Airlines, Inc.	4,962	743	168	5,873
U. S. Overseas Airlines, Inc.	-	-	-	-
West Coast Airlines, Inc.	160	15	7	182
Western Airlines, Inc.	668	74	27	769
Western Alaska Airlines	1	7	1	9
Wien Alaska Airlines, Inc.	38	10	7	55
World Airways	216	115	1	332
World Wide Airlines, Inc.	-	1	-	1
Zantop Air Transport, Inc.	306	74	9	389
Federal Aviation Administration	1,196	14,797	675	16,668
Government, other than military or FAA, includes state and local government	321	997	107	1,425
Aircraft Industry	562	1,046	597	2,205
Industry, other than aircraft	3,103	1,668	67	4,838
Fixed Base Operation (Flying Schools, etc.)	2,518	4,973	479	7,970
Self Employed	1,338	4,634	190	6,162
Other	3,853	3,398	408	7,659
Not Applicable	27,525	108,514	358,999	495,038
Air Force	1,088	26,894	699	28,681
Army	158	4,050	84	4,292
Coast Guard	20	208	3	231
Marines and Navy	594	10,727	137	11,458
National Aeronautics and Space Administration	71	202	437	710
TOTAL	74,154	187,226	363,852	625,232

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

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

SECTION V

MEDICAL CHARACTERISTICS OF AIRMAN POPULATION

Table V.A

SELECTED CRITICAL PATHOLOGY CODES OF
ACTIVE AIRMEN BY CLASS ISSUED*
December 31, 1967

Pathology Code	First Class	Second Class	Third Class	Total
121 Diplopia	12	42	48	102
134 Aphakia	16	90	268	374
135 Cataract	25	215	543	783
139 Glaucoma	17	109	221	347
143 Fails Color Signal Test	10	131	337	478
161 Contact Lenses	125	739	3,683	4,547
162 Blindness or Absence of Either Eye	42	343	2,255	2,640
264 Mute	-	1	24	25
431 Myocardial Disease	7	80	193	280
441 Coronary Artery Disease	9	35	63	107
444 Special Heart Pathology (Assigned by Chief, Aeromedical Certification Branch)	10	-	2	12
464 Fibrillation, Atrial	12	22	57	91
484 Hypertension with Heart Pathology	1	10	8	19
485 Hypertension with Medication	56	344	856	1,256
506 Complicated Ulcer	64	186	269	519
602 Cerebrovascular Accident	10	24	51	85
605 Convulsive Reaction	8	22	35	65
620 Degenerative Disease - Brain	1	4	11	16
631 Degenerative Disease - Spinal Cord	1	8	11	20
661 Psychoneurosis	71	215	359	645
665 Psychosis	-	9	11	20
666 Manic-Depressive Reaction	1	3	11	15
667 Schizophrenia	3	14	30	47
668 Personality Disorder or Abnormal Personality	24	39	75	138
684 Character Behavior Disorder	13	26	51	90
691 Mental Deficiency	-	-	1	1
922 Alcoholism	5	50	122	177
923 Drug Addiction	-	2	6	8
935 Diabetes, Controlled by Diet	63	256	381	700
936 Diabetes, Insulin (History)**	2	10	5	17
937 Diabetes, Other Hypoglycemic Drugs (History)**	1	25	41	67
965 Collagenous Diseases	1	2	4	7
Prefix 8 - Neoplasms	43	238	583	864
Prefix 7 - Deformed by Amputation	24	176	693	893
Prefix 6 - Deformed by Limitation of Motion	42	304	1,071	1,417

*Counts include history of and/or present condition of the pathologies noted.

**Totals reflected under pathology codes 936 and 937 refer to airmen with a history of diabetes controlled by insulin or other hypoglycemic drugs. No airmen are currently certified who presently require insulin or other hypoglycemic drugs for control of diabetes.

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

Table V.B

FREQUENCY OF SELECTED PRELIMINARY ECG DIAGNOSIS CODES
AMONG AIRMAN APPLICANTS*
December 31, 1967

ECG Code	Issued	Pending Or Denied
DISTURBANCE IN RHYTHM		
5 - Paroxysmal Atrial Tachycardia	2	1
7 - Atrial Fibrillation	3	15
10 - Nodal Tachycardia, Nodal Rhythm	42	3
DISTURBANCE IN CONDUCTION		
35 - Complete Heart Block	11	1
OTHER CONDUCTION DEFECTS		
48 - Complete Right Bundle Branch Block	118	15
49 - Complete Right Bundle Branch Block with Infarction	8	4
50 - Incomplete Left Bundle Branch Block	13	12
51 - Complete Left Bundle Branch Block	10	19
52 - Complete Left Bundle Branch Block with Infarction	1	3
53 - Intraventricular Conduction Defect	99	4
54 - Wolff-Parkinson-White Syndrome	33	4
CHANGES IN SIZE OF HEART CHAMBERS		
68 - Left Ventricular Hypertrophy With or Without Strain	64	20
69 - Right Ventricular Hypertrophy With or Without Strain	17	3
71 - Right Ventricular Hypertrophy with Right Bundle Branch Block	1	-
T WAVE CHANGES		
110 - Isoelectric or Inverted T in any or all of Leads V_3, V_4, V_5, V_6	47	19
116 - Miscellaneous T Wave Changes	635	50
ST CHANGES		
127 - A Decrease of 0.5 mm or more in any Lead	22	-
MYOCARDIAL INFARCTION		
138 - Diaphragmatic	3	11
139 - Anterior	3	8
140 - Anterolateral	4	4
141 - Anteroseptal	19	12
142 - Pure Posterior	4	6
144 - Acute	-	11
145 - Old	79	97
147 - Subendocardial	2	1
150 - Diaphragmatic Peri-Infarction Block	1	-
MASTER'S TEST		
162 - Positive	9	46
164 - Borderline	6	5
MISCELLANEOUS		
198 - Digitalis Effect	1	-
205 - Dextrocardia	2	-
TOTAL	1,259	374

*Figures are based on airman applicants within the past 25 months.

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

Table V.C

ACTIVE AIRMEN BY NUMBER OF RESTRICTIONS
CARRIED, CLASS AND SEX
December 31, 1967

Number of Restrictions	First Class		Second Class		Third Class		Total	
	Male	Female	Male	Female	Male	Female	Male	Female
1	14,164	58	55,431	1,156	112,504	7,802	182,099	9,016
2	140	1	1,276	20	4,712	126	6,128	147
3	10	-	76	2	188	5	274	7
4	-	-	4	1	9	-	13	1
More than 4	-	-	1	-	-	-	1	-
TOTAL	14,314	59	56,788	1,179	117,413	7,933	188,515	9,171

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

Table V.D

FREQUENCY OF RESTRICTIONS AMONG
ACTIVE AIRMEN BY CLASS AND SEX
December 31, 1967

Restriction	First Class		Second Class		Third Class		Total	
	Male	Female	Male	Female	Male	Female	Male	Female
Must Have Available Glasses For Near Vision While Flying	4,903	12	12,830	220	19,966	1,024	37,699	1,256
Must Wear Glasses For Distant Vision While Flying	9,004	45	40,868	882	83,298	6,011	133,170	6,938
Must Wear Glasses for Near and Distant Vision While Flying	90	-	862	20	2,652	162	3,604	182
Must Wear Prismatic Correction While Flying	5	-	5	-	7	1	17	1
May Wear Contact Lenses While Flying	16	-	197	12	632	120	845	132
May Wear Contacts While Flying: Glasses Must Be Available	31	1	331	32	1,923	449	2,285	482
Must Wear Hearing Aid While Flying	4	-	58	-	137	3	199	3
Must Wear Artificial Limb or Leg Brace While Flying	11	-	27	1	33	1	71	2
Oxygen Required When Flying Above 7,999 Feet	1	1	2	-	15	-	18	1
Passenger Carrying Prohibited	1	-	1	1	2	-	4	1
Not Valid For Pilot In Command	2	-	2	-	1	-	5	-

Table V.D (Continued)

FREQUENCY OF RESTRICTIONS AMONG
ACTIVE AIRMEN BY CLASS AND SEX
December 31, 1967

Restriction	First Class		Second Class		Third Class		Total	
	Male	Female	Male	Female	Male	Female	Male	Female
Not Valid For Control Tower Operator Duties	61	1	263	5	196	2	520	8
Not Valid For Air Transport Duties	1	-	2	-	17	1	20	1
Flying Jet Aircraft Prohibited	-	-	1	-	-	-	1	-
Not Valid For Night Flying Or By Color Signal Control	132	-	956	1	7,657	26	8,745	27
Not Valid For Night Flying	2	-	41	-	117	3	160	3
Not Valid For Flying Where Radio Use Is Required	-	-	7	-	37	1	44	1
Flying Limited To Remote Areas	-	-	-	-	-	-	-	-
Valid For Flight Test Only	2	-	8	-	5	-	15	-
Second Class Privileges Limited To Flight Engineer Duties	-	-	64	-	3	-	67	-
Second Class Privileges Limited To Flight Navigator Duties	-	-	16	-	-	-	16	-
Second Class Privileges Limited To Control Tower Operator Duties	6	-	677	18	10	-	693	18

Table V.D (Continued)

FREQUENCY OF RESTRICTIONS AMONG
ACTIVE AIRMEN BY CLASS AND SEX
December 31, 1967

Restriction	First Class		Second Class		Third Class		Total	
	Male	Female	Male	Female	Male	Female	Male	Female
Limited To Military Control Tower Operator Duties	-	-	49	2	2	-	51	2
Valid For Control Tower Duties When Second Controller On Duty	-	-	5	-	1	-	6	-
Valid Only When Accompanied By Another Qualified Pilot	-	-	2	-	6	1	8	1
Valid For Student Pilot Purposes Only	2	-	17	-	3,521	183	3,540	183
Second Class Privileges Limited To Cargo Operations	-	-	-	-	1	-	1	-
Time Limitation Restrictions	140	-	579	4	1,382	51	2,101	55
Panel Restrictions	9	-	52	-	260	3	321	3
Miscellaneous Restrictions	51	-	306	7	634	26	991	33
TOTAL	14,474	60	58,228	1,205	122,515	8,068	195,217	9,333

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

Table V.E

AIRMEN WITH DEFECTIVE COLOR VISION
BY CLASS AND SEX*
December 31, 1967

Class Issued	Frequency	
	Male	Female
First	572	-
Second	1,946	1
Third	9,197	29
TOTAL	11,715	30

*These figures are based on the assignment of the restriction "Not Valid for Night Flying or by Color Signal Control" or issuance of a waiver for Deficient Color Vision. The number of airmen issued waivers for deficient color vision was estimated since airmen issued waivers before 1964 were not assigned a waiver number which reflects the cause for issuance.

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

Table V.F

AIRMEN WITH WAIVERS
BY CLASS AND SEX
December 31, 1967

Class Issued	Frequency	
	Male	Female
First	1,734	8
Second	9,157	229
Third	8,884	647
TOTAL	19,775	884

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

Table V.G

FREQUENCY OF WAIVER CAUSE CODES
BY CLASS OF MEDICAL CERTIFICATE ISSUED*
December 31, 1967

Waiver Cause Code	First Class		Second Class		Third Class		Total	
	Male	Female	Male	Female	Male	Female	Male	Female
A - External Eye Problem	22	-	79	1	49	1	150	2
B - Internal Eye Problem	9	-	24	-	50	-	83	-
C - Glaucoma	1	-	3	-	3	-	7	-
D - Deficient Distant Vision	500	4	3,601	106	1,274	44	5,375	154
E - Deficient Near Vision	1	-	15	-	12	-	28	-
F - Deficient Color Vision	264	-	594	-	924	2	1,782	2
G - Contact Lenses	55	-	484	47	2,035	493	2,574	540
H - Field of Vision (Visual Field Deficiency)	2	-	5	-	14	-	21	-
I - Deficient Hearing	139	-	476	-	220	6	835	6
J - Ear	1	-	3	-	5	-	9	-
K - Nose	-	-	-	-	-	-	-	-
L - Throat	-	-	-	-	1	-	1	-
M - Mute	-	-	-	-	1	-	1	-
N - Respiratory System	-	-	1	-	2	-	3	-
O - Heart Disease - General	-	-	-	-	3	-	3	-
P - Heart Disease - Valvular	-	-	-	-	-	-	-	-
Q - Heart Disease - Vascular	-	-	-	-	-	-	-	-
R - Heart Disease - Arrhythmia	-	-	-	-	-	-	-	-
S - Electrocardiogram Abnormalities	-	-	-	-	1	-	1	-

Table V.G (Continued)

FREQUENCY OF WAIVER CAUSE CODES
BY CLASS OF MEDICAL CERTIFICATE ISSUED*
December 31, 1967

Waiver Cause Code	First Class		Second Class		Third Class		Total	
	Male	Female	Male	Female	Male	Female	Male	Female
T - Abdominal	-	-	-	-	-	-	-	-
U - Neurological	2	-	5	-	22	-	29	-
V - Mental and Nervous	-	-	1	-	1	-	2	-
W - Bone and Joint	9	-	39	-	117	5	165	5
X - Muscles	6	-	23	1	97	1	126	2
Y - Miscellaneous Conditions	18	-	70	1	230	2	318	3
Z - Malignancy	-	-	1	-	-	-	1	-
1 - Amputation	6	-	40	-	108	-	154	-
TOTAL	1,035	4	5,464	156	5,169	554	11,668	714

*Total figures on this table do not agree with Table V.F because airmen issued waivers before 1964 were not assigned waiver numbers.

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