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APPLICANTS FOR ENLISTMENT: RESULTS  
OF EXAMINATION FOR MILITARY SERVICE  
(FISCAL YEARS 1972 AND 1973)

Bernard D. Karpinos

Human Resources Research Organization

Prepared for:

Assistant Secretary of Defense (Manpower  
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to know the demographic characteristics of those applicants who failed the test as to know the characteristics for those who passed the test.

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RESULTS OF EXAMINATION FOR MILITARY SERVICE  
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by  
**Bernard D. Karpinos**

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Alexandria, Virginia 22314

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## I. INTRODUCTION

### Scope and Objectives of the Report

Initially, this report was intended to provide data on disqualification of applicants for enlistment for medical reasons, as related to their educational attainment--in response to a request from the Office of the Assistant Secretary of Defense (Manpower and Reserve Affairs) for such data. However, in preparing the report, it became clear that in order to provide a proper perspective for the evaluation of such differential data, other basic data are to be included which would reflect the general results of the examination of applicants for enlistment into the military, as affected by the military service to which they applied, by their age, by the geographic area from which they came and, within each of these differential parameters, by race.

Toward this end--for the sake of a proper evaluative perspective--the report contains the following data: a. overall results by race; b. overall results by military service and race; c. overall results by age and race; d. overall results by geographic area and race; and e. ultimately, medical disqualifications by educational attainment, geographic area, and race, as requested. To be sure, the added data in themselves (excluding the medico-educational data) are of key importance for judging potential availability of military manpower through voluntary enlistment.

### Period Covered

The present data deal with applicants for enlistment examined during fiscal years 1972 and 1973--two years and one year before the end of the draft, respectively. The Military Selective Service Act of 1971 was to expire by Act of Congress at the end of FY 1973. Actually there were no inductions of draftees after December 1972--six months prior to the expiration of the Military Selective Service Act.

## "True Volunteers"

It has been estimated that of the applicants for enlistment into all military services in FY 1972, some 76 percent were "true volunteers" ("non-draft motivated"), and the corresponding figure for FY 1973 was around 85 percent (12). Inasmuch, however, as no inductions occurred after December 1972, it may be reliably assumed that during the first six months of 1973, the effect of "draft motivation" was practically nil.

Differentiated by military service, the estimates concerning the percent of "true volunteers" were as follows, by fiscal year:

FY 1972: Army--73 percent; Navy--79 percent;  
Marine Corps--84 percent; Air Force--72 percent;

FY 1973: Army--83 percent; Navy--84 percent;  
Marine Corps--94 percent; Air Force--85 percent (1).

## Now Effective Factors

The increased military pay; the improved conditions of Service life; the modernization of training of personnel; and the effective communication of such changes to the public--enhanced by intensified recruiting efforts--all these factors operative during this transition period (fiscal years 1972 and 1973) made it possible to eliminate the draft six months ahead of its scheduled date of expiration, as was provided by Act of Congress(12). Presumably, the results of examination of these applicants for enlistment during fiscal years 1972 and 1973 and the changes in these results during this transition period should serve as pretty reliable bases for quantitative and qualitative projections of future enlistments.

## Type of Applicants Evaluated

The data presented here were purposely limited to applicants for enlistment who were examined during this period for the first time--in order to insure as much as possible findings representative of the potential manpower pool. These are, hence, the results of "initial examination." Such examinations are performed at the Armed Forces Examining and Entrance Stations (AFEES).

## II. SOURCE OF DATA

### General

As stated before, the findings presented here relate to applicants for enlistment examined for military service at the AFEES during fiscal years 1972 and 1973--for the first time. The objective of the examination is to determine the moral, mental, and medical qualifications of the examinees for military service (4).

### Forms Used

The data for this report were derived from the following forms used for reporting the examinee's pertinent personal data, as well as the findings from his examination at the AFEES:

- (1) DD Form 4 ("Enlistment Contract-Armed Forces of the United States"). The form carries on its obverse side the applicant's personal data, i.e., name, date of birth, educational attainment, marital and family status, prior military and federal service, religion, race, etc. The form is initiated at the recruiting stations and forwarded to the AFEES when applicant is sent there. (See Appendix A for copy of form.)
- (2) Standard Form 88 ("Report of Medical Examination")--accomplished at the AFEES. It contains certain personal items (taken primarily from DD Form 4), plus data on purpose of examination and detailed medical data. The latter data consist of a clinical evaluation; laboratory findings; physical measurements and other findings, such as height, weight, build, blood pressure, vision and hearing. It states whether or not the examinee was qualified for military service, and specifies the diagnoses (defects) in cases of medically disqualified examinees. It may also include recommendations for reexamination. (See Appendix B for copy of form.)

### Coding of the Data

The data from the forms are coded at the AFEES on paper tape. They are subsequently transmitted electronically--each day of operation--to the Headquarters of the United States Army Recruiting Command (USAREC), where the coded data are converted to magnetic tape and then appropriately consolidated and edited for consistency by means of a computer

### **Tabulation of the Data**

The presented findings are from tabulated data, accomplished by MARDAC (Manpower Research and Data Analysis Branch, DoD), from this consolidated magnetic tape, referred to as "USAREC File." (See (7) for the list of the items used from this file.)

### **Shortcomings of the Data**

Much preliminary screening of the applicants for mental qualification has been taking place prior to their appearance at the AFEES. This prescreening by means of mental tests grossly varies from service to service (2). Unfortunately, no results at all of this preliminary screening were included in the USAREC File--the source of this report--prior to 1973, and only partial results since 1973. Lack of these results precludes evidently a complete evaluation of the mental qualification of applicants for enlistment. (This problem is further discussed in VIII. A Concluding Note.)

## **III. OVERALL RESULTS BY RACE**

### **Applicants Examined**

FY 1972. In fiscal year 1972, some 439,187 applicants for enlistment into all military services were examined at the AFEES for the first time, comprising 348,362 applicants classified as Caucasian; 85,571 applicants classified as Negro; and 5,254 applicants grouped as "Other Races" (Table 1). The proportional distribution by race was thus: Caucasian--79.3 percent; Negro--19.5 percent; "Other Races"--1.2 percent.

Table 1

**Male Applicants for Enlistment: Overall Results on Initial Examination  
for Military Service, by Race — United States : Total  
(Fiscal Years 1972 and 1973)**

Qualification Criteria	Results by Race <sup>a</sup>									
	Total		Caucasian		Negro		Other Races			
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Examined	439,187	100.0	348,362	100.0	85,571	100.0	5,254	100.0		
Qualified: Total	337,132	76.8	281,971	80.9	51,398	60.1	3,763	71.6		
a. Physical Category A	215,011	49.0	179,232	51.4	33,404	39.1	2,375	45.2		
b. Physical Category B	122,121	27.8	102,739	29.5	17,994	21.0	1,388	23.4		
Disqualified: Total	102,055	23.2	66,391	19.1	34,173	39.9	1,491	28.4		
c. Administrative Reasons	311	0.1	260	0.1	38	0.0	13	0.2		
d. Failed Mental Tests Only	42,845	9.7	19,055	5.4	22,977	26.9	813	15.5		
e. Medical Reasons Only	51,257	11.7	43,415	12.5	7,282	8.5	560	10.7		
f. Mental & Medical Reasons	7,642	1.7	3,661	1.1	3,876	4.5	105	2.0		
Examined	414,263	100.0	320,493	100.0	88,445	100.0	5,325	100.0		
Qualified: Total	311,108	75.1	254,611	79.4	53,159	60.1	3,338	62.7		
a. Physical Category A	200,025	48.3	162,640	50.7	35,312	39.9	2,073	38.9		
b. Physical Category B	111,083	26.8	91,971	28.7	17,847	20.2	1,265	23.8		
Disqualified: Total	103,155	24.9	65,882	20.6	35,286	39.9	1,987	37.3		
c. Administrative Reasons	275	0.1	242	0.1	32	0.0	1	0.0		
d. Failed Mental Tests Only	48,674	11.7	22,490	7.0	24,977	28.3	1,207	22.7		
e. Medical Reasons Only	47,619	11.5	39,907	12.5	7,083	8.0	629	11.8		
f. Mental & Medical Reasons	6,587	1.6	3,243	1.0	3,194	3.6	150	2.9		

<sup>a</sup>0.0 indicates percent less than 0.05.  
Source: USAREC file.

FY 1973. In fiscal year 1973, the corresponding data were: 414,263--total number of applicants for enlistment, of whom 320,493 applicants were Caucasian; 88,445 applicants were Negro; and 5,325 were "Other Races" (Table 1). Their proportional distribution by race was: 77.4 percent--Caucasian; 21.3 percent--Negro; 1.3 percent--"Other Races."

FY 1973 vs FY 1972. These data clearly indicate an absolute, as well as relative, decrease in the number of Caucasian applicants for enlistment, counterbalanced by an absolute and relative increase in the number of Negro applicants, when comparing the figures for FY 1973 with those of FY 1972. On a relative basis, the total number of applicants decreased in FY 1973 by some 6 percent; the number of Caucasian applicants decreased by some 8 percent; the number of Negro applicants increased by somewhat over 3 percent; and the number of applicants of "Other Races" increased by somewhat over 1 percent--against FY 1972.

#### **Applicants Qualified**

FY 1972. In fiscal year 1972, some 337,132 initially examined applicants for enlistment qualified for military service, distributed by race as follows: Caucasian--281,971 qualified applicants; Negro--51,398 qualified applicants; "Other Races"--3,763 qualified applicants (Table 1). Their proportional distribution by race was thus computed as: Caucasian--83.6 percent; Negro--15.3 percent; "Other Races"--1.1 percent.

Of the total number of applicants examined in FY 1972, 76.8 percent qualified for military service. Of the Caucasian applicants--80.9 percent qualified; of the Negro applicants--60.1 percent qualified; of the "Other Races"--71.6 percent of their applicants qualified (Table 1).

FY 1973. In fiscal year 1973, some 311,108 applicants qualified for military service, distributed by race as follows: Caucasian--254,611 qualified applicants; Negro--53,159 qualified applicants; "Other Races"--3,338 qualified applicants (Table 1). Their proportional distribution by race was computed as: Caucasian--81.8 percent, a smaller percentage than in FY 1972; Negro--17.1 percent, a higher percentage than in FY 1972; "Other Races"--1.1 percent, the same percentage as in FY 1972.



Of the total number of applicants examined in FY 1973, 75.1 percent qualified for military service. Of the Caucasian applicants--79.4 percent qualified; of the Negro applicants--60.1 percent qualified; of the "Other Races"--62.7 percent.

FY 1973 vs. FY 1972. There were obvious decreases in FY 1973 in the percent of qualified Caucasian applicants and especially in regard to applicants of "Other Races," when compared with those of FY 1972. These decreases are to be attributed almost exclusively to an increase in their disqualifications for mental reasons in FY 1973, as brought out later in evaluating the disqualifying causes. There was no change in the percent of qualified Negro applicants.

The number of total qualified applicants in FY 1973 decreased by some 8 percent when compared with their corresponding number in FY 1972--a higher decrease than in the number of applicants examined. (As previously indicated that decrease in the number of applicants examined was about 6 percent). This is due in part to the above-mentioned lower qualification rate of Caucasian applicants in FY 1973 than in FY 1972, and in part to the proportionally higher number of Negro applicants in FY 1973 compared with FY 1972, showing a lower qualification rate than the Caucasian.

In comparison with the FY 1972, the percent of qualified Caucasian applicants in FY 1973 decreased by some 10 percent. The percent of Negro qualified applicants increased by some 3.6 percent; and the number of applicants of "Other Races" decreased by somewhat over 11 percent, in spite of their increased number examined--due to their increased disqualifications for mental reasons.

Physical Categories A and B. The qualified applicants are classified on the basis of their medical fitness as physical category A or B. Both physical categories, A and B, signify "combat fitness." The distinction between these physical categories lies in the fact that the qualified applicants profiled B have some minor impairments which render them unfit for "certain critical MOS training and assignment" (3,7,8).

#### **Applicants Disqualified**

FY 1972: Total Disqualifications. Some 23.2 percent of all examined applicants in fiscal year 1972 were disqualified for military service. By race, these disqualification rates were: Caucasian--19.1 percent; Negro--39.9 percent; "Other Races"--28.4 percent (Table 1).

FY 1973: Total Disqualifications. In fiscal year 1973, the corresponding disqualification rates were: Total--24.9 percent; Caucasian--20.6 percent, somewhat higher than in FY 1972; Negro--39.9 percent, the same as in FY 1972; "Other Races"--37.3 percent, a very appreciable increase over the FY 1972 rates (Table 1).

### **Disqualifying Causes**

General. In assessing potential manpower, it is of primary importance to identify the particular disqualifying causes. These are as follows: Disqualified for Administrative Reasons; Failed Mental Tests, Only; Disqualified for Medical Reasons, Only; Failed Mental Tests and Medically disqualified (Table 1).

Disqualified for Administrative Reasons. These are basically disqualifications for moral reasons. They include individuals having significant criminal records; individuals exhibiting criminal tendencies, demonstrated by frequent difficulties with law enforcement agencies, or indicating definite antisocial tendencies, such as alcoholism or drug addiction, or other traits of character that would render them unfit to associate with military personnel; and those who have been previously separated from the Armed Forces under conditions other than honorable, or for the good of the service (8).

Failed Mental Test Only. This classification includes both examinees who scored below the 10 percentile on the Armed Forces Qualification Test (AFQT: Mental Category V), as well as those who scored above the 10 percentile but did not meet the additional educational or mental requirements as variously set up by the military services. The latter group consists primarily of examinees in Mental Category IV. These examinees qualified administratively and medically.

Medical Reasons Only. These examinees did not meet the medical fitness standards (3), but were found otherwise (morally and mentally) qualified.

Mental and Medical Reasons. These examinees constitute the "overlapping groups." These groups are of major importance in evaluating either the medical or the mental disqualifications.

## Two-Way Evaluation of Disqualifications

General. Let us assume, for illustrative purposes, that we are interested in comparing the medical disqualification rates between races. There are two ways in which such a comparison can be made: a. We could limit it to disqualifications for "medical reasons only;" or b. we could combine these disqualifications with those who were disqualified for "Mental and Medical Reasons" ("overlapping group") which will give us disqualifications for "Medical Reasons: Total."

Medical Reasons Only. Under this approach, the disqualification rates for medical reasons were as follows, by fiscal year:

FY 1972: Total--11.7 percent; Caucasian--12.5 percent;  
Negro--8.5 percent; "Other Races"--10.7 percent;

FY 1973: Total--11.5 percent; Caucasian--12.5 percent;  
Negro--8.0 percent; and "Other Races"--11.8 percent  
(Table 1).

These rates obviously indicate conspicuous differences by race for both FY 1972 and FY 1973, but hardly any change by year, except for "Other Races."

This approach might be considered fully appropriate if the interest is in ascertaining the percent of the available manpower that would be additionally disqualified for medical reasons, above those who were disqualified for mental and administrative reasons.

Medical Reasons: Total. Under this approach, the disqualification rates for medical reasons, as shown in Table 1, were computed as follows, by fiscal years:

FY 1972: Total--13.4 percent; Caucasian--13.6 percent;  
Negro--13.0 percent; "Other Races"--12.7 percent;

FY 1973: Total--13.1 percent; Caucasian--13.5 percent;  
Negro--11.6 percent; "Other Races"--14.6 percent  
(Table 1).

Though these rates still reveal some racial differences in the medical disqualifications, specifically in FY 1973, they are by far of a much lesser degree than the differences shown by race when limited to "Medical Reasons Only." The differences in the disqualifications for "Medical Reasons: Total" depend obviously to a great extent on the magnitude of "overlapping groups."

These rates show the percent of the examinees that could not meet the medical standards, irrespective of their other qualifications.

Disqualifications for Mental Reasons-General. Obviously, the same two-way evaluative approach applies to disqualifications for mental reasons. Such disqualifications could be limited to "Mental Reasons Only", or they could be for "Mental Reasons, Total" by including the "overlapping groups." The latter rate would show the percent of applicants who do not qualify "mentally," irrespective of their other qualifications. The choice of the approach depends obviously on the type of evaluation sought.

Mental Reasons Only. As shown in Table 1, the percent of all applicants disqualified for "Mental Reasons Only" were as follows, by race and year.

FY 1972: Total--9.7 percent; Caucasian--5.4 percent;  
Negro--26.9 percent; "Other Races"--15.5 percent;

FY 1973: Total--11.7 percent; Caucasian--7.0 percent;  
Negro--28.3 percent; "Other Races"--22.7 percent  
(Table 1).

Mental Reasons: Total. By combining the disqualifications for "Mental Reasons Only" with those of the "overlapping groups," the percent of applicants disqualified for "Mental Reasons: Total" were thus by race and year, as follows:

FY 1972: Total--11.4 percent; Caucasian--6.5 percent;  
Negro--31.4 percent; "Other Races"--17.5 percent;

FY 1973: Total--13.3 percent (higher than in FY 1972);  
Caucasian--8.0 percent (higher than in FY 1972);  
Negro--31.9 percent (slightly higher than in FY 1972);  
"Other Races"--25.5 percent (markedly higher than in  
FY 1972) (Table 1).

Reemphasizing, these are disqualification rates for mental reasons at the AFEES, following the mental preliminary screening at the recruiting stations.

#### IV. OVERALL RESULTS BY MILITARY SERVICE

##### Distribution by Military Service

To begin with, the number and the percent distributions of all applicants for enlistment are shown in Table 2, by military service and race; separately, for fiscal years 1972 and 1973.

As indicated in Table 2, the proportional distributions of all applicants for enlistment by military service were as follows, by fiscal years:

FY 1972: Army--43.6 percent; Navy--22.2 percent;  
Marine Corps--10.7 percent; Air Force--23.5 percent  
(Table 2);

FY 1973: Army--44.5 percent; Navy--22.3 percent;  
Marine Corps--11.5 percent; Air Force--21.7 percent  
(Table 2).

The corresponding numerical and percent distributions by race (Table 2) clearly indicate that the Army and the Marine Corps obtained proportionally less of the Caucasian applicants and proportionally more of the Negro applicants. This holds for FY 1972 and even more so for FY 1973. The opposite is, of course, true of the Navy and the Air Force. These interservice differences in the racial composition of their applicants is further brought out in the ensuing distributions of the applicants by race within each military service.

##### Distribution by Race Within Each Military Service

The percent distributions of applicants for enlistment by race within each military service were calculated from Table 2 as follows, by fiscal year:

FY 1972 Army: Caucasian--78.2 percent; Negro--20.5 percent;  
"Other Races"--1.3 percent;

Navy: Caucasian--83.8 percent; Negro--15.1 percent;  
"Other Races"--1.1 percent;

Marine Corps: Caucasian--73.3 percent; Negro--25.3  
percent; "Other Races"--1.4 percent;

Air Force: Caucasian--79.8 percent; Negro--19.2  
percent; "Other Races"--1.0 percent.

Table 2

**Male Applicants for Enlistment: Distribution on Initial  
Examination, by Race and Military Service Applied  
(Fiscal Years 1972 and 1973)**

Military Service	Distribution by Race							
	Total		Caucasian		Negro		"Other Races"	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
FY 1972								
Total	439,187	100.0	348,362	100.0	1,711	100.0	5,254	100.0
Army	191,319	43.6	149,679	43.0	39,161	45.8	2,479	47.2
Navy	97,353	22.2	81,603	23.4	14,709	17.2	1,041	19.8
Marine Corps	47,188	10.7	34,578	9.9	11,919	13.9	691	13.2
Air Force	103,327	23.5	82,502	23.7	19,782	23.1	1,043	19.8
FY 1973								
Total	414,263	100.0	320,493	100.0	88,445	100.0	5,325	100.0
Army	184,257	44.5	135,162	42.2	46,451	52.5	2,644	49.7
Navy	92,374	22.3	79,981	24.9	11,494	13.0	899	16.9
Marine Corps	47,884	11.5	33,316	10.4	13,768	15.6	800	15.0
Air Force	89,748	21.7	72,034	22.5	16,732	18.9	982	18.4

Source: USAREC file.

FY 1973

Army: Caucasian--73.4 percent; Negro--25.2 percent;  
"Other Races"--1.4 percent;

Navy: Caucasian--86.6 percent; Negro--12.4 percent;  
"Other Races"--1.0 percent;

Marine Corps: Caucasian--69.6 percent; Negro--28.7  
percent; "Other Races"--1.7 percent;

Air Force: Caucasian--80.3 percent; Negro--18.6  
percent; "Other Races"--1.1 percent.

Pronounced shifts in the racial composition of the applicants for enlistment occurred in 1973 in the Army and in the Marine Corps--toward a proportional increase in the number of Negro applicants.

**Results of Examination by Military Service and Race**

General. The overall results by military service are presented numerically in Tables 3 and 4, and in terms of percent in Tables 5 and 6, for fiscal years 1972 and 1973, respectively. The qualified applicants are classified by physical category, and the disqualified are distributed by disqualifying causes, in the same manner as in Table 1.

Disqualification for "Mental Reasons: Total" In examining these results, it seems that the primary interservice differences are ostensibly in their disqualification for mental reasons. The failures for "Mental Reasons: Total,"--arrayed on a progressive scale--ranged as follows, by fiscal year and race:

FY 1972 Caucasian: Air Force--2.3 percent; Navy--4.9 percent;  
Army--8.5 percent; Marine Corps--11.8 percent (All  
Services--6.5 percent);

Negro: Air Force--18.0 percent; Navy--31.0 percent;  
Army--35.3 percent; Marine Corps--41.0 percent (All  
Services--31.4 percent);

"Other Races": Air Force--6.7 percent; Navy--15.5 per-  
cent; Army--21.1 percent; Marine Corps--23.9 percent  
(All Services--17.5 percent) (Table 5).

**Table 3**  
**Male Applicants for Enlistment : Overall Results**  
**of Initial Examination for Military Service, by Race and Military Service**  
**(Fiscal Year 1972)**

Race and Military Service	Distribution of Overall Results									
	Total	Qualified		Total	Disqualified, by Disqualifying Cause			Mental & Medical Reasons		
		A	B		Administrative Reasons	Failed Mental Tests, Only	Medical Reasons, Only			
<b>UNITED STATES: Total</b>	337,132	215,011	122,121	102,055	311	42,845	51,257	7,642		
Caucasian	281,971	179,232	102,739	66,391	260	19,055	43,415	3,661		
Negro	51,398	33,404	17,994	34,173	38	22,977	7,282	3,876		
"Other Races"	3,763	2,375	1,335	1,491	13	813	560	105		
<b>ARMY: Total</b>	142,121	90,536	51,585	49,198	168	23,260	21,848	3,922		
Caucasian	118,212	74,889	43,322	31,467	146	10,873	18,486	1,962		
Negro	22,222	14,577	7,645	16,939	18	11,928	3,096	1,897		
"Other Races"	1,687	1,070	617	792	4	459	266	63		
<b>NAVY: Total</b>	77,302	48,595	28,607	20,051	24	7,198	11,376	1,453		
Caucasian	67,602	42,478	25,124	14,001	15	3,200	10,062	724		
Negro	8,922	5,717	3,205	5,787	5	3,858	1,216	708		
"Other Races"	778	500	278	263	4	140	98	21		
<b>MARINE CORPS: Total</b>	32,410	20,985	11,425	14,778	19	7,774	5,624	1,361		
Caucasian	25,948	16,897	9,051	8,630	13	3,429	4,533	655		
Negro	6,028	3,822	2,206	5,891	6	4,195	999	691		
"Other Races"	434	266	168	257	--	150	92	15		
<b>AIR FORCE: Total</b>	85,299	54,795	30,504	18,028	100	4,613	12,409	906		
Caucasian	70,209	44,968	25,241	12,293	86	1,553	10,334	320		
Negro	14,226	9,288	4,938	5,556	9	2,996	1,971	580		
"Other Races"	864	539	325	179	5	64	104	6		

Source: USAREC File.



**Table 4**  
**Male Applicants for Enlistment : Overall Results**  
**of Initial Examination for Military Service, by Race and Military Service**  
**(Fiscal Year 1973)**

Race and Military Service	Distribution of Overall Results									
	Qualified			Disqualified, by Disqualifying Cause						
	Total	Physical Category		Total	Administrative Reasons	Failed Mental Tests, Only	Medical Reasons, Only	Mental & Medical Reasons		
	A	B								
<b>UNITED STATES: Total</b>	311,108	200,025	111,083	103,155	275	48,674	47,619	6,587		
Caucasian	254,511	162,640	91,971	65,882	242	22,490	39,907	3,243		
Negro	53,159	35,312	17,847	35,286	32	24,977	7,083	3,194		
"Other Races"	3,338	2,073	1,255	1,987	1	1,207	629	150		
<b>ARMY: Total</b>	133,724	87,331	46,393	50,533	144	27,410	19,461	3,518		
Caucasian	104,646	67,403	37,243	30,516	127	12,839	15,813	1,737		
Negro	27,507	18,941	8,566	18,944	17	13,855	3,369	1,703		
"Other Races"	1,571	987	584	1,073	--	716	279	78		
<b>NAVY: Total</b>	75,117	47,135	27,982	17,257	8	4,785	11,592	872		
Caucasian	66,695	41,852	24,843	13,286	8	2,412	10,369	497		
Negro	7,816	4,918	2,898	3,678	--	2,240	1,090	348		
"Other Races"	606	365	241	293	--	133	133	27		
<b>MARINE CORPS: Total</b>	29,906	19,214	10,692	17,678	11	10,848	5,752	1,367		
Caucasian	22,998	14,927	8,071	10,318	9	5,114	4,534	661		
Negro	6,510	4,057	2,453	7,258	2	5,471	1,114	671		
"Other Races"	398	230	168	402	--	263	104	35		
<b>AIR FORCE: Total</b>	72,361	46,345	26,016	17,387	112	5,631	10,814	830		
Caucasian	60,272	38,458	21,814	11,762	98	2,125	9,191	348		
Negro	11,326	7,396	3,930	5,406	13	3,411	1,510	472		
"Other Races"	763	491	272	219	1	95	113	10		

Source: USAREC File.

**Table 5**  
**Male Applicants for Enlistment : Percent Distribution of Overall Results**  
**of Initial Examination for Military Service, by Race and Military Service**  
**(Fiscal Year 1972)**

Race and Military Service	Percent Distribution of Overall Results <sup>a</sup>											
	Total	Qualified		Disqualified, by Disqualifying Cause				Total	Administrative Reasons	Failed Mental Tests, Only	Medical Reasons, Only	Mental & Medical Reasons
		A	B	Medical Reasons, Only	Administrative Reasons	Failed Mental Tests, Only	Medical Reasons, Only					
<b>UNITED STATES: Total</b>	<b>76.8</b>	<b>49.0</b>	<b>27.8</b>									
Caucasian	80.9	51.4	29.5									
Negro	60.1	39.1	21.0									
"Other Races"	71.6	45.2	26.4									
<b>ARMY: Total</b>	<b>74.5</b>	<b>47.3</b>	<b>27.0</b>									
Caucasian	79.0	50.0	29.0									
Negro	56.7	37.2	19.5									
"Other Races"	68.1	43.2	24.9									
<b>NAVY: Total</b>	<b>79.4</b>	<b>50.0</b>	<b>29.4</b>									
Caucasian	82.8	52.0	30.8									
Negro	60.7	38.9	21.8									
"Other Races"	74.7	48.0	25.7									
<b>MARINE CORPS: Total</b>	<b>68.7</b>	<b>44.5</b>	<b>24.2</b>									
Caucasian	75.1	48.9	26.2									
Negro	50.6	32.1	18.5									
"Other Races"	62.8	38.5	24.5									
<b>AIR FORCE: Total</b>	<b>82.5</b>	<b>53.0</b>	<b>29.5</b>									
Caucasian	85.1	54.5	30.6									
Negro	71.9	47.0	24.9									
"Other Races"	82.8	51.7	31.1									

<sup>a</sup>0.0 indicates percent less than 0.05.

Sourced: USAREC File.

Table 6  
**Male Applicants for Enlistment: Percent Distribution of Overall Results  
of Initial Examination for Military Service, by Race and Military Service**  
(Fiscal Year 1973)

Race and Military Service	Percent Distribution of Overall Results <sup>a</sup>									
	Qualified			Disqualified, by Disqualifying Cause				Mental & Medical Reasons		
	Total	Physical Category		Total	Administrative Reasons	Failed Mental Test, Only	Medical Reasons, Only			
	A	B								
UNITED STATES: Total	75.1	48.3	26.8	24.9	0.1	11.7	11.5	1.6		
Caucasian	79.4	50.7	26.7	20.6	0.1	7.0	12.3	1.0		
Negro	60.1	39.9	20.2	39.9	0.0	28.3	8.0	3.6		
"Other Races"	62.7	38.9	23.8	37.3	0.0	22.7	11.8	2.8		
ARMY: Total	72.6	47.4	25.2	27.4	0.1	14.9	10.5	1.9		
Caucasian	77.4	49.9	27.5	22.6	0.1	9.5	11.7	1.3		
Negro	59.2	40.8	18.4	40.8	0.0	29.8	7.5	3.7		
"Other Races"	59.4	37.3	22.1	40.6	0.0	27.1	10.6	2.9		
NAVY: Total	81.3	51.0	30.3	18.7	0.0	5.2	12.6	0.9		
Caucasian	83.4	52.3	31.1	16.6	0.0	3.0	13.0	0.6		
Negro	68.0	42.8	25.2	32.0	0.0	19.5	9.5	3.0		
"Other Races"	67.4	40.6	26.8	32.6	0.0	14.8	14.8	3.0		
MARINE CORPS: Total	62.5	40.1	22.4	37.5	0.0	22.7	12.0	2.8		
Caucasian	69.0	44.8	24.2	31.0	0.0	15.4	13.6	2.0		
Negro	47.3	29.5	17.8	52.7	0.0	39.7	8.1	4.9		
"Other Races"	49.8	28.8	21.0	50.2	0.0	32.9	13.0	4.3		
AIR FORCE: Total	80.6	51.6	29.0	19.4	0.1	6.3	12.1	0.9		
Caucasian	83.7	53.4	30.3	16.3	0.1	3.0	12.7	0.5		
Negro	67.7	44.2	23.5	32.3	0.1	20.4	9.0	2.8		
"Other Races"	77.7	50.0	27.7	22.3	0.1	9.7	11.5	1.0		

<sup>a</sup>0.0 indicates percent less than 0.05.  
Source: USAREC File.

FY 1973   Caucasian: Air Force--3.5 percent; Navy--3.6 percent; Army--10.8 percent; Marine Corps--17.4 percent (All Services--8.0 percent);

Negro: Navy--22.5 percent; Air Force--23.2 percent; Army--33.5 percent; Marine Corps--44.6 percent (All Services--31.9 percent);

"Other Races": Air Force--10.7 percent; Navy--17.8 percent; Army--30.0 percent; Marine Corps--37.2 percent (All Services--25.5 percent)(Table 6).

To recall, the rates for "Mental Reasons: Total" were obtained by combining the rates for "Mental Reasons Only" with those of the "overlapping groups."

Changes in the mental standards by service; differences in the mental prescreening procedures as applied by the military services at their respective recruiting stations; and perhaps to a certain degree, differences in the kind of applicants, as it varies from service to service--all these factors are assumingly responsible for the wide interservice differences in the mental disqualifications at the AFEES.

It should be noted that the FY 1973 data reveal a substantial increase in the mental disqualifications for all services over FY 1972, except the Navy.

Disqualification for "Medical Reasons: Total". Except for the Marine Corps (thus far, for unidentified reasons), there appear to be no practical significant differences in the medical disqualifications by service. The percent disqualified for medical reasons were as follows, by fiscal year and race--on a progressive scale:

FY 1972   Total: Air Force--12.9 percent; Navy--13.2 percent; Army--13.5 percent; Marine Corps--14.8 percent (All Services--13.4 percent);

Caucasian: Air Force--12.9 percent; Navy--13.3 percent; Army--13.7 percent; Marine Corps--15.0 percent (All Services--13.6 percent);

Negro: Army--12.7 percent; Air Force--12.9 percent; Navy--13.1 percent; Marine Corps--14.2 percent (All Services--13.0 percent);

"Other Races": Air Force--10.6 percent; Navy--11.4 percent; Army--13.3 percent; Marine Corps--15.5 percent (All Services--12.7 percent)(Table 5).

FY 1973 Total: Army--12.4 percent; Air Force--13.0 percent; Navy--13.5 percent; Marine Corps--14.8 percent (All Services--13.1 percent);

Caucasian: Army--13.0 percent; Air Force--13.2 percent; Navy--13.6 percent; Marine Corps--15.6 percent (All Services--13.5 percent);

Negro: Army--11.0 percent; Air Force--11.8 percent; Navy--12.5 percent; Marine Corps--13.0 percent (All Services--11.6 percent);

"Other Races": Air Force--12.5 percent; Army--13.5 percent; Marine Corps--17.3 percent; Navy--17.8 percent (All Services--14.6 percent)(Table 6).

These percentages include disqualifications for "Medical Reasons Only" plus those of the "overlapping groups", as previously indicated.

## V. OVERALL RESULTS BY AGE

### Distribution by Age, Race, and Geographic Area

Detailed distributions of the applicants for enlistment by age, in terms of 2-year age-intervals, are presented in Tables 7 and 8, by race and geographic area, for fiscal years 1972 and 1973, respectively. As may be seen from these distributions, the majority of the applicants for enlistment belongs to the (17-18) age group; somewhat over 60 percent of the Caucasian applicants and somewhat over 50 percent of the Negro applicants came from this youngest age group. This holds for both, FY 1972 and FY 1973--with the latter fiscal year showing a somewhat higher percent.

Combining these younger applicants with those in the (19-20) age group, some 90 percent of the Caucasian applicants, and some 85 percent of the Negro applicants were under 21 years of age.

It will be noted that there are some variations in these age-distributions by geographic area, when the (17-18) and the (19-20) age-groups are considered separately. These geographic variations seem, however, to disappear when these age-groups are combined.

### Mean Ages in Years by Race and Geographic Area

The mean ages in years were computed by race and fiscal year as follows: Caucasian--19.1 years of age for both FY 1972 and FY 1973; Negro--19.4 years of age, also for both FY 1972 and FY 1973; "Other Races"--19.8 years of age for FY 1972 and 20.1 years of age for FY 1973.

The data indicate some small variations by geographic area (Tables 7 and 8).

Table 7

**Male Applicants for Enlistment: Percent Distribution by A. Military Status;  
B. Age and Mean Age (in Years); and C. Race and Geographic Area**

(Fiscal Year 1972)

## A. Military Status: Examined

C. Race and Geographic Area	B. Percent by Age as of Last Birthday						Mean Age in Years
	17-18	19-20	21-22	23-24	25 and Over		
<b>UNITED STATES:</b>							
<b>TOTAL</b>	59.8	29.8	6.6	2.3	1.5	19.1	
Caucasian	61.7	23.8	6.1	2.1	1.3	19.1	
Negro	52.5	34.0	8.7	3.0	1.8	19.4	
Other	49.0	29.2	10.5	5.3	6.0	19.8	
<b>CAUCASIAN</b>							
New England	64.3	27.1	5.5	1.8	1.3	19.0	
Middle Atlantic	64.2	27.0	5.5	1.9	1.4	19.0	
East North Central	62.6	28.1	5.7	2.2	1.4	19.0	
West North Central	61.9	30.0	5.6	1.6	0.9	19.0	
South Atlantic	60.7	29.7	6.2	2.2	1.2	19.1	
East South Central	60.7	29.0	6.6	2.3	1.4	19.1	
West South Central	57.5	31.2	7.4	2.4	1.5	19.2	
Mountain	61.7	29.2	6.0	4.0	1.1	19.0	
Pacific	61.3	28.8	6.1	2.2	1.6	19.1	
<b>NEGRO</b>							
New England	50.0	34.0	9.1	3.7	3.2	19.5	
Middle Atlantic	53.3	32.2	8.5	3.5	2.5	19.4	
East North Central	53.3	32.0	9.0	3.4	2.3	19.4	
West North Central	54.0	33.9	8.2	2.6	1.3	19.3	
South Atlantic	52.2	35.4	8.1	2.8	1.5	19.3	
East South Central	52.8	34.3	8.9	2.7	1.3	19.3	
West South Central	51.5	35.3	9.2	2.7	1.3	19.3	
Mountain	54.8	34.2	7.9	1.6	1.5	19.2	
Pacific	51.0	33.2	9.4	3.9	2.5	19.5	

Table 8

## Male Applicants for Enlistment: Percent Distribution by A. Military Status;

## B. Age and Mean Age (in Years); and C. Race and Geographic Area

(Fiscal Year 1973)

C. Race and Geographic Area	A. Military Status: Examined					B. Percent by Age as of Last Birthday					Mean Age in Years	
	17-18	19-20	21-22	23-24	25 and Over	17-18	19-20	21-22	23-24	25 and Over		
<b>UNITED STATES:</b>												
<b>TOTAL</b>	60.1	27.5	7.9	2.6	1.9						19.2	
Caucasian	62.5	26.4	7.1	2.3	1.7						19.1	
Negro	52.0	31.8	10.6	3.5	2.1						19.4	
Other	47.0	26.4	10.7	5.8	10.1						20.1	
<b>CAUCASIAN</b>												
New England	64.8	25.5	6.2	2.2	1.3						19.0	
Middle Atlantic	64.2	24.8	6.7	2.3	2.0						19.1	
East North Central	64.1	25.4	6.6	2.2	1.7						19.0	
West North Central	64.7	25.0	6.3	1.8	1.2						19.0	
South Atlantic	62.1	26.6	7.2	2.4	1.7						19.1	
East South Central	62.1	26.3	7.6	2.4	1.6						19.1	
West South Central	57.5	29.5	8.7	2.6	1.7						19.2	
Mountain	62.3	26.5	7.3	2.4	1.5						19.1	
Pacific	61.4	27.1	7.2	2.4	1.9						19.1	
<b>NEGRO</b>												
New England	52.3	29.4	11.3	4.2	2.8						19.5	
Middle Atlantic	50.2	30.2	11.8	4.4	3.4						19.6	
East North Central	53.8	30.0	10.4	3.5	2.3						19.4	
West North Central	57.0	29.7	8.8	2.9	1.6						19.2	
South Atlantic	52.2	33.1	10.3	2.9	1.5						19.4	
East South Central	53.2	32.0	10.5	2.8	1.5						19.3	
West South Central	51.5	33.0	10.3	3.5	1.7						19.4	
Mountain	51.8	32.7	10.7	3.3	1.5						19.4	
Pacific	47.9	32.7	11.5	4.9	3.2						19.7	



## Results of Examination by Age and Race

General. The overall results of the examination of applicants for enlistment into the military service are presented by age and race in Tables 9 and 10 for fiscal years 1972 and 1973, respectively. Definite age-differences in the disqualifications for military service are revealed with respect to medical disqualifications. Of specific interest are the relatively high disqualification rates of the youngest (17-18) age-groups for mental reasons, which are to be ascribed obviously to their lower educational attainment.

Disqualifications for Mental Reasons--Total. The disqualification rates (in percent) for mental reasons by age fluctuated as follows by fiscal year and race:

FY 1972   Caucasian: 7.0 percent for age-group (17-18); 5.4 percent for age-group (19-20); 5.7 percent for age-group (21-22); 6.7 percent for age-group (23-24); and 9.7 percent for age-group (25 and over);

Negro: 32.3 percent; 30.4 percent; 29.4 percent; 30.7 percent; and 34.1 percent for the above-specified age-groups, respectively (Table 9).

FY 1973   Caucasian: 8.4 percent; 7.5 percent; 6.5 percent; 7.3 percent; and 10.1 percent;

Negro: 33.0 percent; 31.2 percent; 29.8 percent; 28.1 percent; 31.0 percent--for the age-groups (17-18); (19-20); (21-22); (23-24) and (25 and over), respectively, for both races (Table 10).

Table 9  
**Male Applicants for Enlistment : Percent Distribution of Overall Results  
of Initial Examination for Military Service, by Race and Age**  
(Fiscal Year 1972)

Race and Age	Percent Distribution of Overall Results <sup>a</sup>									
	Total	Qualified		Total	Disqualified, by Disqualifying Cause					
		A	B		Administrative Reasons	Failed Mental Tests, Only	Medical Reasons, Only	Mental & Medical Reasons		
<b>TOTAL</b>	76.8	49.0	27.8	23.2	0.1	9.7	11.7	1.7		
Age: 17-18	77.9	50.5	27.6	22.1	0.1	9.7	10.6	1.7		
19-20	76.1	48.1	28.0	23.9	0.1	9.4	12.6	1.8		
21-22	75.5	44.9	28.6	26.5	0.1	10.3	14.3	1.8		
23-24	71.1	43.4	27.7	28.9	0.1	11.2	15.6	2.0		
25 & Over	67.5	40.2	27.3	32.5	0.1	13.1	16.3	3.0		
<b>CAUCASIAN</b>	80.9	51.4	29.5	19.1	0.1	5.4	12.5	1.1		
Age: 17-18	81.7	52.6	29.1	18.3	0.1	5.9	11.2	1.1		
19-20	80.8	50.8	30.0	19.2	0.1	4.4	13.7	1.0		
21-22	78.3	47.2	31.1	21.7	0.1	7.7	15.9	1.0		
23-24	75.5	45.5	30.0	21.5	0.1	5.6	17.7	1.1		
25 & Over	71.6	41.6	30.0	28.4	0.1	7.9	18.6	1.8		
<b>NEGRO</b>	60.1	39.1	21.0	39.9	0.0	26.9	8.5	4.5		
Age: 17-18	60.0	39.4	20.6	40.0	0.0	27.8	7.7	4.5		
19-20	60.4	38.9	21.5	39.6	0.1	25.8	9.1	4.6		
21-22	60.5	38.6	21.9	39.5	0.0	25.4	10.1	4.0		
23-24	58.7	37.7	21.0	41.3	0.0	26.3	10.6	4.4		
25 & Over	55.3	35.6	19.7	44.7	0.0	27.6	10.6	6.5		

<sup>a</sup>0.0 indicates percent less than 0.05.

Source: USAREC File.

Table 10  
**Male Applicants for Enlistment : Percent Distribution of Overall Results  
of Initial Examination for Military Service, by Race and Age  
(Fiscal Year 1973)**

Race and Age	Percent Distribution of Overall Results <sup>a</sup>									
	Qualified		Disqualified, by Disqualifying Cause				Total	Disqualified, by Disqualifying Cause		
	Total	Physical Category A	Physical Category B	Administrative Reasons	Failed Mental Tests, Only	Medical Reasons, Only		Mental & Medical Reasons		
<b>TOTAL</b>	75.1	48.3	26.8	24.9	0.1	11.7	11.5	1.6		
Age: 17-18	76.3	49.6	26.7	23.7	0.1	11.6	10.5	1.5		
19-20	74.1	47.3	26.8	23.9	0.1	11.8	12.3	1.7		
21-22	72.8	45.2	27.6	27.2	0.1	11.8	13.6	1.7		
23-24	70.4	43.1	27.3	29.6	0.1	12.1	15.6	1.8		
25 & Over	67.3	41.6	23.7	32.7	0.1	14.0	16.6	2.0		
<b>CAUCASIAN</b>	79.4	50.7	28.7	20.6	0.1	7.0	12.5	1.0		
Age: 17-18	80.2	51.9	28.3	19.8	0.1	7.4	11.3	1.0		
19-20	78.9	49.9	29.0	21.1	0.1	6.4	13.5	1.1		
21-22	78.2	47.8	30.4	21.8	0.1	5.6	15.2	0.9		
23-24	74.9	45.0	29.9	25.1	0.1	6.3	17.7	1.0		
25 & Over	71.0	43.1	27.9	29.0	0.0	8.8	18.9	1.3		
<b>NEGRO</b>	60.1	39.9	20.2	39.9	0.0	28.3	8.0	3.6		
Age: 17-18	59.9	40.0	19.9	40.1	0.0	29.4	7.1	3.6		
19-20	60.4	40.3	20.1	39.6	0.1	27.5	8.4	3.7		
21-22	60.5	39.5	21.0	39.5	0.0	26.3	9.7	3.5		
23-24	60.8	39.1	21.7	39.2	0.1	24.9	11.0	5.2		
25 & Over	57.3	37.2	20.1	42.7	0.1	26.7	11.6	4.3		

<sup>a</sup>0.0 indicates percent less than 0.05.

Source: USAREC File.

Disqualifications for Medical Reasons: Total. With respect to the disqualifications for medical reasons the data certainly exhibit a definite gradual increase with age, as expected. This holds for both racial groups. The experience of fiscal years, 1972 and 1973 reveal the following percent disqualified for medical reasons by race and age:

FY 1972   Caucas       12.3 percent; 14.7 percent; 16.9 percent; 18.8 percent; and 20.4 percent, for age-groups (17-18), (19-20), (21-22), (23-24), and (25 and over), respectively.

Negro: The corresponding rates for these applicants are: 12.2 percent; 13.7 percent; 14.1 percent; 15.0 percent; and 17.1 percent-- for the same age-intervals as for Caucasian (Table 9).

FY 1973   Caucasian: 12.3 percent; 14.6 percent; 16.1 percent; 18.7 percent; and 20.2 percent for the age-groups (17-18) through (25 and over)-- about identical to those of FY 1972;

Negro: 10.7 percent; 12.1 percent; 13.2 percent; 14.2 percent; and 15.9 percent for the age-groups (17-18) through (25 and over)-- somewhat lower than in FY 1972 (Table 10).

The primary concern is, of course, with the medical disqualifications of the two youngest (17-18) and (19-20) age-groups, inasmuch as only around 10 percent of the Caucasian applicants and around 15 percent of the Negro applicants are above those age-groups, as noted before. It is only with respect to "Other Races" that the age-groups of 21 years of age and above comprised around 25 percent of their applicants.

## VI. OVERALL RESULTS BY GEOGRAPHIC AREA

### Distribution by Geographic Area and Race

The numerical distributions of the applicants for enlistment by race and geographic area are shown in Table 11, separately for fiscal years 1972 and 1973. Their corresponding percent distributions by race and geographic area are presented in Table 12. In addition, Table 12 also includes percent distributions of the male youths, age 14-17, as reported in the 1970 Census of Population. The juxtaposition of these data indicates to a certain degree the relationship between the applicants for enlistment and the corresponding male population from which they presumably came. Thus, for instance, the percent distribution of the "Caucasian and Other Races" applicants by geographic area indicates the East North Central Area contributed proportionally less than would correspond to the distribution of its male youths within the military age range (18.2 percent in FY 1973 vs. 20.8 percent); while West South Central indicates a higher percent for applicants than that indicated by the distribution of the male youths (10.9 percent in FY 1973 vs. 9.3 percent). The same seemingly holds for the Negro applicants within these geographic areas.

Similar differences may be noted with respect to other geographic areas.

### Distribution by Race Within Each Geographic Area

For further evaluation, distributions of the applicants by race within each geographic area are shown in Table 13.

Table 11

**Male Applicants for Enlistment: Distribution on Initial Examination  
for Military Service, by Race and Geographic Area  
(Fiscal Years 1972 and 1973)**

Geographic Area <sup>a</sup>	Distribution by Race and Fiscal Year			
	Total	Caucasian	Negro	"Other Races"
FY 1972				
United States: Total	439,187	348,362	85,571	5,254
New England	22,408	20,924	1,411	73
Middle Atlantic	63,399	49,482	13,580	337
East North Central	80,795	66,745	13,671	379
West North Central	37,656	34,022	3,303	331
South Atlantic	69,088	44,391	24,576	121
East South Central	31,794	21,432	10,351	11
West South Central	51,704	37,640	13,753	311
Mountain	22,019	20,650	710	659
Pacific	60,324	53,076	4,216	3,032
FY 1973				
United States: Total	414,263	320,493	88,445	5,325
New England	20,137	18,584	1,476	77
Middle Atlantic	58,514	44,327	13,803	384
East North Central	72,273	59,022	12,921	330
West North Central	33,570	29,760	3,475	335
South Atlantic	66,918	40,442	26,299	177
East South Central	30,578	19,671	10,897	10
West South Central	48,705	35,199	13,217	289
Mountain	21,346	19,921	793	632
Pacific	62,222	53,567	5,564	3,091

<sup>a</sup>States within each geographic area (as defined by the Bureau of the Census): *New England*—Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, Connecticut; *Middle Atlantic*—New York, New Jersey, Pennsylvania; *East North Central*—Ohio, Indiana, Illinois, Michigan, Wisconsin; *West North Central*—Minnesota, Iowa, Missouri, North Dakota, South Dakota, Nebraska, Kansas; *South Atlantic*—Delaware, Maryland, District of Columbia, Virginia, West Virginia, North Carolina, South Carolina, Georgia, Florida; *East South Central*—Kentucky, Tennessee, Alabama, Mississippi; *West South Central*—Arkansas, Louisiana, Oklahoma, Texas; *Mountain*—Montana, Idaho, Wyoming, Colorado, New Mexico, Arizona, Utah, Nevada; *Pacific*—Alaska, California, Hawaii, Oregon, Washington.

Source: USAHEC File.

Table 12

Percent Distribution of Male Applicants for Enlistment in Fiscal Years 1972 and 1973 by Race and Geographic Area, Compared With the Corresponding Distributions of Male Youths, Aged 14-17, as Reported in the 1970 Census of Population

Geographic Area	Percent Distribution					
	Caucasian & "Other Races" (Non-Negro)			Negro		
	Applicants for Enlistment <sup>a</sup>		1970 Census of Population	Applicants for Enlistment <sup>a</sup>		1970 Census of Population
	FY 1972	FY 1973		FY 1972	FY 1973	
United States: Total	100.0	100.0	100.0	100.0	100.0	100.0
New England	5.9	5.7	6.1	1.6	1.7	1.5
Middle Atlantic	14.1	13.7	17.5	15.9	15.6	15.3
East North Central	19.0	18.2	20.8	16.0	14.6	16.9
West North Central	9.7	9.2	9.9	3.9	3.9	3.0
South Atlantic	12.6	12.5	12.9	23.7	29.7	29.6
East South Central	6.1	6.1	5.7	12.1	12.3	12.8
West South Central	10.7	10.9	9.3	16.1	15.0	14.0
Mountain	6.0	6.3	4.9	0.8	0.9	0.8
Pacific	15.9	17.4	13.8	4.9	6.3	6.1

<sup>a</sup>Derived from Table 11.

Table 13

Male Applicants for Enlistment: Percent Distribution on Initial Examination for Military Service, by Race Within Each Geographic Area (Fiscal Years 1972 and 1973)

Geographic Area <sup>b</sup>	Percent Distribution by Race and Fiscal Year <sup>a</sup>					
	FY 1972			FY 1973		
	Caucasian	Negro	Other	Caucasian	Negro	Other
United States: Total	79.3	19.5	1.2	77.4	21.3	1.3
New England	93.4	6.3	0.3	92.3	7.3	0.4
Middle Atlantic	78.1	21.4	0.5	75.8	23.6	0.6
East North Central	82.6	16.9	0.5	81.7	17.9	0.4
West North Central	90.3	8.8	0.9	88.6	10.4	1.0
South Atlantic	64.3	35.6	0.1	60.4	39.3	0.3
East South Central	67.4	32.6	0.0	64.4	35.6	0.0
West South Central	72.8	26.6	0.6	72.3	27.1	0.6
Mountain	93.8	3.2	3.0	93.3	3.7	3.0
Pacific	88.0	7.0	5.0	86.1	8.9	5.0

<sup>a</sup>Sum for each area equals 100.0 percent. 0.0 indicates less than 0.05 percent. Derived from Table 11.

<sup>b</sup>See footnote to Table 11.

## Results of Examination by Geographic Area and Race

General. The results of examination of applicants for enlistment are presented by geographic area in Tables 14 and 15 for fiscal years 1972 and 1973, respectively. The results are limited to Caucasian and Negro. The results for "Other Races" are not shown by geographic area because of the small number of such applicants.

As in previous tables, the results are shown by percent qualified, in terms of physical categories A and B, and by disqualifying causes.

In order to provide a clearer picture as to geographic differences in these results, the geographic areas have been arrayed on the basis of their disqualifying causes on a progressive scale, from the lowest to the highest percent disqualified. The ranking was arranged in terms of the following disqualifying causes: a. All Reasons; b. Mental Reasons, Total, consisting of "Failed Mental Test, Only" plus the "overlapping group"; and c. Medical Reasons, Total, consisting of "Medical Reasons, Only" plus the "overlapping group."

### All Causes: FY 1972

Caucasian: Pacific--14.3 percent; Mountain--16.8 percent; East North Central--18.2 percent; West North Central--18.7 percent; New England--19.3 percent; South Atlantic--20.5 percent; Middle Atlantic--20.6 percent; East South Central--22.4 percent; West South Central--23.1 percent; (United States: Total--19.1 percent);

Negro: Pacific--28.6 percent; Mountain--31.4 percent; East North Central--34.1 percent; West North Central--35.4 percent; New England--38.6 percent; Middle Atlantic--39.4 percent; East South Central--40.5 percent; South Atlantic--42.1 percent; West South Central--47.2 percent; (United States: Total--39.9 percent)(Table 14).

### All Causes: FY 1973

Caucasian: Pacific--18.0 percent; East North Central--19.5 percent; West North Central--20.1 percent; East South Central--20.2 percent; Mountain--20.5 percent; South Atlantic--20.8 percent; Middle Atlantic--22.1 percent; New England--22.6 percent; West South Central--23.5 percent; (United States: Total--20.6 percent);



Table 14

Male Applicants for Enlistment: Percent Distribution of Overall Results of Initial Examination for Military Service, by Race and Geographic Areas (Fiscal Year 1972)

Race and Geographic Area	Percent Distribution of Overall Results <sup>a</sup>											
	Qualified		Disqualified, by Disqualifying Cause				Total					
	Total	A	B	Administrative Reasons	Failed Mental Tests, Only	Medical Reasons, Only	Mental & Medical Reasons	Total	Administrative Reasons	Failed Mental Tests, Only	Medical Reasons, Only	Mental & Medical Reasons
UNITED STATES: Total	76.8	49.0	27.8	23.2	0.1	9.7	11.7	1.7				
Caucasian	80.9	51.4	29.5	19.1	0.1	5.4	12.5	1.1				
Negro	69.1	39.1	21.0	39.9	0.0	26.9	8.5	4.5				
Other	71.6	45.2	26.3	28.4	0.2	15.5	10.7	2.0				
CAUCASIAN:												
New England	80.7	45.6	35.1	19.5	0.0	4.6	13.6	1.1				
Middle Atlantic	79.4	51.7	28.0	20.6	0.0	6.9	12.5	1.2				
East North Central	81.6	47.8	34.0	18.2	0.0	5.1	12.3	0.8				
West North Central	81.3	48.8	32.5	18.7	0.6	3.1	14.2	0.8				
South Atlantic	79.5	52.7	26.8	20.5	0.1	6.7	12.4	1.3				
East South Central	77.6	52.4	25.2	22.4	0.0	7.3	13.5	1.6				
West South Central	76.9	44.1	32.3	23.1	0.0	7.0	14.5	1.6				
Mountain	83.2	54.6	28.6	16.8	0.0	5.9	12.1	0.8				
Pacific	85.7	62.7	33.0	14.3	0.0	4.3	9.5	0.5				
NEGRO												
New England	61.4	30.1	31.3	38.6	0.1	24.0	10.1	4.4				
Middle Atlantic	60.6	42.1	18.5	39.4	0.0	26.0	8.7	4.7				
East North Central	63.9	35.9	30.0	34.1	0.0	23.3	7.2	3.1				
West North Central	64.6	41.4	23.2	35.4	0.2	19.6	10.0	5.6				
South Atlantic	57.9	39.8	18.1	42.1	0.1	27.6	9.5	4.9				
East South Central	59.5	41.5	18.0	40.5	0.0	28.3	7.5	4.7				
West South Central	52.8	30.7	22.1	47.2	0.0	33.2	8.3	5.7				
Mountain	68.6	45.6	23.0	31.4	0.0	21.1	7.3	3.0				
Pacific	71.4	50.1	33.3	28.6	0.0	20.6	6.2	1.8				

<sup>a</sup>0.0 indicates percent less than 0.05.  
Source: USAREC File.

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Table 15

Male Applicants for Enlistment : Percent Distribution of Overall Results  
of Initial Examination for Military Service, by Race and Geographic Areas  
(Fiscal Year 1973)

Race and Geographic Area	Percent Distribution of Overall Results <sup>a</sup>									
	Total	Qualified		Total	Disqualified, by Disqualifying Cause			Mental & Medical Reasons		
		A	B		Administrative Reasons	Failed Mental Tests, Only	Medical Reasons, Only			
<b>UNITED STATES: Total</b>	75.1	48.3	26.8	24.9	0.1	11.7	11.5	1.6		
Caucasian	79.4	50.7	28.7	20.6	0.1	7.0	12.5	1.0		
Negro	60.1	39.9	20.2	39.9	0.0	28.3	8.0	3.6		
Other	62.7	38.9	23.8	37.3	0.0	22.7	11.8	2.8		
<b>CAUCASIAN</b>										
New England	77.1	45.0	32.4	22.6	0.0	6.0	15.5	1.1		
Middle Atlantic	77.9	48.7	29.2	23.1	0.0	8.3	12.6	1.2		
East North Central	80.5	46.3	34.2	19.5	0.0	6.7	12.0	0.8		
West North Central	79.9	47.7	32.2	20.1	0.7	4.2	14.5	0.7		
South Atlantic	79.2	54.5	24.7	20.8	0.0	6.8	12.6	1.4		
East South Central	79.8	55.4	24.4	20.2	0.0	7.3	11.5	1.1		
West South Central	76.5	44.2	32.3	23.5	0.0	9.5	12.7	1.3		
Mountain	79.5	47.2	32.3	20.5	0.0	5.6	13.9	1.0		
Pacific	82.0	62.2	19.8	18.0	0.0	7.1	10.7	0.7		
<b>NEGRO</b>										
New England	57.5	30.6	26.9	42.5	0.0	27.6	11.1	3.8		
Middle Atlantic	58.0	37.9	20.1	42.0	0.0	29.8	8.6	3.6		
East North Central	61.7	31.3	30.4	38.5	0.0	28.1	7.4	2.8		
West North Central	61.1	34.5	26.6	38.9	0.4	24.6	9.6	4.3		
South Atlantic	62.5	45.6	16.9	37.5	0.0	24.9	8.7	3.9		
East South Central	64.9	47.8	17.1	35.1	0.0	25.5	6.4	3.2		
West South Central	50.7	30.2	20.5	49.3	0.0	37.1	7.7	4.5		
Mountain	54.1	30.9	23.2	45.9	0.0	30.9	9.3	5.7		
Pacific	64.1	53.0	11.1	35.9	0.0	27.1	6.9	1.9		

<sup>a</sup>0.0 indicates percent less than 0.05.  
Source: USAREC File.

Negro: East South Central--35.1 percent; Pacific--35.9 percent; South Atlantic--37.5 percent; East North Central--38.3 percent; West North Central--38.9 percent; Middle Atlantic--42.0 percent; New England--42.5 percent; Mountain--45.9 percent; West South Central--49.3 percent; (United States: Total--39.9 percent) (Table 15).

Mental Reasons--Total: FY 1972

Caucasian: West North Central--3.9 percent; Mountain--4.7 percent; Pacific--4.8 percent; New England--5.7 percent; East North Central--5.9 percent; South Atlantic--8.0 percent; Middle Atlantic--8.1 percent; West South Central--8.6 percent; East South Central--8.9 percent; (United States: Total--6.5 percent);

Negro: Pacific--22.4 percent; Mountain--24.1 percent; West North Central--25.2 percent; East North Central--26.4 percent; New England--28.4 percent; Middle Atlantic--30.7 percent; South Atlantic--32.5 percent; East South Central--33.0 percent; West South Central--38.9 percent; (United States: Total--31.4 percent) (Table 14).

Mental Reasons--Total: FY 1973

Caucasian: West North Central--4.9 percent; Mountain--6.6 percent; New England--7.1 percent; East North Central--7.5 percent; Pacific--7.8 percent; South Atlantic--8.2 percent; East South Central--8.7 percent; Middle Atlantic--9.5 percent; West South Central--10.8 percent; (United States: Total--8.0 percent);

Negro: East South Central--28.7 percent; South Atlantic--28.8 percent; West North Central--28.9 percent; Pacific--29.0 percent; East North Central--30.9 percent; New England--31.4 percent; Middle Atlantic--33.4 percent; Mountain--36.6 percent; West South Central--41.6 percent; (United States: Total--31.9 percent) (Table 15).

Medical Reasons--Total: FY 1972

Caucasian: Pacific--10.0 percent; Mountain--12.9 percent; East North Central--13.1 percent; Middle Atlantic--13.7 percent; South Atlantic--13.7 percent; New England--14.7 percent; West North Central--15.0 percent; East South Central--15.1 percent; West South Central--16.1 percent; (United States: Total--13.6 percent);

Negro: Pacific--8.0 percent; Mountain--10.3 percent; East North Central--10.8 percent; East South Central--12.2 percent; Middle Atlantic--13.4 percent; West South Central--14.0 percent; South Atlantic--14.4 percent; New England--14.5 percent; West North Central--15.6 percent; (United States: Total--13.0 percent) (Table 14).

**Medical Reasons--Total: FY 1973**

Caucasian: Pacific--10.9 percent; East North Central--12.8 percent; East South Central--12.9 percent; Middle Atlantic--13.8 percent; South Atlantic--14.0 percent; West South Central--14.0 percent; Mountain--14.9 percent; West North Central--15.2 percent; New England--16.6 percent; (United States: Total--13.5 percent);

Negro: Pacific--8.8 percent; East South Central--9.6 percent; East North Central--10.2 percent; Middle Atlantic--12.2 percent; West South Central--12.2 percent; South Atlantic--12.6 percent; West North Central--13.9 percent; New England--14.9 percent; Mountain--15.0 percent (United States: Total--11.6 percent) (Table 15).

**VII. MEDICAL DISQUALIFICATIONS BY EDUCATIONAL ATTAINMENT**

**Distribution by Educational Attainment, Race, and Geographic Area**

The distributions of the applicants for enlistment examined in fiscal years 1972 and 1973 by educational attainment are shown in Tables 16 and 17. The data are presented by race and geographic area. They also indicate the median years of school completed, by race and geographic area.

There are rather significant differences in these distributions by race; specifically, in the percent of applicants with 1 year of college or more. The highest percent of applicants for enlistment in the college category was among applicants of "Other Races," comprising 15.0 percent in FY 1972 and 13.5 percent in FY 1973 of their total number of applicants. (This accounts evidently for their higher average age, as brought out before.) The corresponding figures in the college category for Caucasian applicants were 9.9 percent in FY 1972 and 8.3 percent in FY 1973. For Negro applicants the corresponding figures were 6.0 percent and 5.9 percent in FY 1972 and FY 1973, respectively (Tables 16 and 17).

Table 16

Male Applicants for Enlistment: Percent Distribution by A. Military Status;  
 B. Educational Attainment (Years of School Completed); and  
 C. Race and Geographic Area

(Fiscal Year 1972)

A. Military Status: Examined

C. Race and Geographic Area	B. Percent by Years of School Completed (Highest Grade or Year)											Median Years of School Completed	
	Elementary School		High School			College			4 or More				
	Under 5	5-9	9	10-11	12	1	2-3	4 or More					
<b>UNITED STATES:</b>													
TOTAL	0.1	3.1	7.0	36.6	43.9	4.9	3.4	1.0	12.1				
Caucasian	0.1	3.3	7.3	35.2	44.2	5.2	3.6	1.1	12.0				
Negro	0.1	2.2	6.5	42.2	43.0	3.5	2.1	0.4	12.0				
Other	0.2	3.0	6.1	32.4	43.4	5.7	5.9	3.4	12.2				
<b>CAUCASIAN</b>													
New England	0.1	5.0	9.5	40.6	35.2	4.9	3.6	1.1	11.7				
Middle Atlantic	0.0	2.8	7.1	39.1	40.8	5.2	3.7	1.3	12.0				
East North Central	0.0	2.7	7.6	35.6	42.8	4.8	3.3	1.2	12.1				
West North Central	0.0	2.4	5.9	31.3	48.6	6.2	4.5	1.1	12.2				
South Atlantic	0.0	5.8	10.3	32.4	42.6	4.6	3.5	1.0	12.0				
East South Central	0.0	6.7	9.6	32.8	42.0	4.5	3.2	1.0	12.0				
West South Central	0.0	4.4	9.1	34.8	40.9	5.7	4.2	0.9	12.0				
Mountain	0.0	1.8	5.8	35.3	45.4	6.4	4.3	1.0	12.2				
Pacific	0.5	0.7	2.7	33.9	52.8	5.2	3.3	0.9	12.2				
<b>NEGRO</b>													
New England	0.2	3.2	10.5	48.9	31.0	3.9	1.9	0.4	11.5				
Middle Atlantic	0.1	2.0	6.4	49.2	36.3	3.6	2.1	0.3	11.7				
East North Central	0.1	1.7	7.0	50.2	35.2	3.6	1.9	0.3	11.6				
West North Central	0.1	2.6	8.0	50.0	33.4	4.0	1.6	0.3	11.6				
South Atlantic	0.0	2.8	7.3	37.4	47.5	2.8	1.8	0.4	12.1				
East South Central	0.0	1.9	5.7	36.6	49.4	3.4	2.5	0.5	12.1				
West South Central	0.1	2.4	5.8	39.4	45.3	4.0	2.5	0.4	12.1				
Mountain	0.1	2.7	6.9	44.0	36.2	4.6	3.0	0.5	11.8				
Pacific	0.4	0.6	1.5	35.9	52.2	6.1	2.9	0.4	12.2				

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Table 17

**Male Applicants for Enlistment: Percent Distribution by A. Military Status;  
B. Educational Attainment (Years of School Completed); and  
C. Race and Geographic Area**  
(Fiscal Year 1973)

C. Race and Geographic Area	A. Military Status: Examined		B. Percent by Years of School Completed (Highest Grade or Year)							Median Years of School Completed	
	Elementary School		High School			College					
	Under 5	5-8	9	10-11	12	1	2-3	4 or More			
<b>UNITED STATES:</b>											
<b>TOTAL</b>											
Caucasian	0.0	2.6	6.7	59.5	43.6	4.1	2.9	0.9	12.0		
Negro	0.0	2.7	6.9	38.2	45.9	4.3	3.1	0.9	12.1		
Other	0.0	1.9	6.0	45.0	42.0	3.3	2.2	0.4	11.9		
	0.1	2.1	3.4	32.9	45.0	5.3	5.1	3.1	12.2		
<b>CAUCASIAN</b>											
New England	0.1	3.7	7.9	40.0	39.4	4.3	3.4	1.2	11.7		
Middle Atlantic	0.0	2.0	6.4	42.8	39.9	4.4	3.2	1.3	11.9		
East North Central	0.0	1.8	6.5	38.3	45.5	4.1	2.3	1.0	12.1		
West North Central	0.0	1.9	5.5	36.4	47.2	4.6	3.4	1.0	12.1		
South Atlantic	0.0	5.0	9.7	36.6	41.2	3.8	2.9	0.8	11.9		
East South Central	0.0	6.3	10.5	36.6	39.5	3.8	2.6	0.7	11.8		
West South Central	0.0	3.4	8.3	35.3	43.1	5.5	3.7	0.7	12.1		
Mountain	0.0	1.6	5.6	37.9	44.9	5.1	3.9	1.0	12.1		
Pacific	0.0	0.5	2.8	36.3	52.1	4.6	3.0	0.7	12.2		
<b>NEGRO</b>											
New England	0.3	2.5	10.3	45.7	33.6	4.2	2.9	0.5	11.6		
Middle Atlantic	0.0	1.3	5.6	48.4	38.1	3.9	2.4	0.3	11.8		
East North Central	0.0	1.4	5.2	50.4	36.2	4.3	2.2	0.3	11.7		
West North Central	0.0	2.0	7.6	51.8	33.3	3.4	1.7	0.2	11.6		
South Atlantic	0.0	2.5	7.0	40.0	46.0	2.3	1.8	0.4	12.0		
East South Central	0.0	1.6	5.7	39.4	47.6	2.5	2.4	0.5	12.1		
West South Central	0.1	1.9	5.1	38.8	47.1	3.9	2.7	0.4	12.1		
Mountain	0.0	2.4	7.3	47.8	32.7	5.9	3.4	0.5	11.7		
Pacific	0.0	0.2	0.8	33.2	57.3	5.0	3.0	0.5	12.5		

The overwhelming majority of applicants for enlistment consisted of individuals within the educational range of (10-11) and 12 years of school completed. The percent of applicants within these high-school grades were as follows by fiscal year and race for "United States: Total":

#### FY 1972

All applicants: 36.6 percent with (10-11) years of school completed and 43.9 percent high-school graduates (a total of 80.5 percent within this educational range); Caucasian--35.2 percent and 44.2 percent within these high-school grades, respectively (a total of 79.4 percent); Negro--42.2 percent and 43.0 percent within these educational levels, respectively (a total of 85.2 percent); "Other Races"--32.4 percent and 43.4 percent (a total of 75.8 percent)(Table 16);

#### FY 1973

The corresponding figures by these educational levels of (10-11) and 12 were: Total--39.3 percent and 43.6 percent, respectively (a total of 82.9 percent); Caucasian--38.2 percent and 43.9 percent (a total of 82.1 percent); Negro--43.6 percent and 42.6 percent (a total of 86.2 percent); "Other Races"--32.9 percent and 45.0 percent (a total of 77.9 percent)(Table 17).

These facts, which clearly indicate that the bulk of the applicants for enlistment comes from the (10-11) and 12 grades, are of major significance in appraising the effects of the medical disqualifications by educational attainment.

#### Applicants With High School Education or Higher

It has been found that enlisted men with high-school education or higher present fewer disciplinary problems, and consequently lower attrition rates, than those with less than high school education, irrespective of their scores on the Armed Forces Qualification Test (AFQT). (For detailed analyses, see 5 and 6.) It is with this in view that the following proportions of applicants with high-school education or higher are presented here by race and geographic area, as derived from Tables 16 and 17 for fiscal years 1972 and 1973.

These educational data by high school or higher are expressed in terms of percent and arrayed by geographic area and race on a progressive scale.

The proportions of applicants with high school education or higher were as follows, by fiscal year, geographic area and race:

FY 1972

Caucasian: New England--44.8 percent; East South Central--50.7 percent; Middle Atlantic--51.0 percent; South Atlantic--51.5 percent; West South Central--51.7 percent; East North Central--53.1 percent; Mountain--57.1 percent; West North Central--60.4 percent; Pacific--62.2 percent; (Caucasian: Total--54.1 percent);

Negro: New England--37.2 percent; West North Central--39.3 percent; East North Central--41.0 percent; Middle Atlantic--42.3 percent; Mountain--46.3 percent; West South Central--52.2 percent; South Atlantic--52.5 percent; East South Central--55.8 percent; Pacific--61.6 percent; (Negro: Total--49.0 percent);

"Other Races": Total--58.4 percent;

United States: Total--53.2 percent (Table 16).

FY 1973

Caucasian: East South Central--46.6 percent; New England--48.3 percent; South Atlantic--48.7 percent; Middle Atlantic--48.8 percent; West South Central--53.0 percent; East North Central--53.4 percent; Mountain--54.9 percent; West North Central--56.2 percent; Pacific--60.4 percent; (Caucasian: Total--52.2 percent);

Negro: West North Central--38.6 percent; New England--41.2 percent; Mountain--42.5 percent; East North Central--43.0 percent; Middle Atlantic--44.7 percent; South Atlantic--50.5 percent; East South Central--53.3 percent; West South Central--54.1 percent; Pacific--65.8 percent; (Negro: Total--48.5 percent);

"Other Races": Total--58.5 percent;

United States: Total--51.4 percent (Table 17).



### Median Years of School Completed

In evaluating educational attainment, median of years of school completed is generally used as an evaluative index. Such medians are therefore presented in Tables 16 and 17, by geographic area and race for fiscal year 1972 and 1973, respectively. For the United States: Total, the median years of school completed by the applicants examined at the AFEES were computed as follows by race and fiscal year:

FY 1972: Caucasian--12.0 years; Negro--12.0 years;  
"Other Races"--12.2 years (Table 16);

FY 1973: Caucasian--12.1 years; Negro--11.9 years;  
"Other Races"--12.2 years (Table 17).

Obviously, these overall data hardly indicate any noticeable racial differences, though definite differences may be noted by geographic area; especially, with respect to Negro applicants. Thus, for instance, the educational medians of the Negro applicants in the South (i.e., South Atlantic, East South Central, and West South Central) are higher than those in the other geographic areas, except the Pacific area. This does not mean, however, that the educational attainment of the Negroes in the South is relatively higher. It factually implies that relatively more Negro applicants of lower educational level are eliminated by the mental prescreening at the recruiting stations, prior to their appearance at the AFEES. Obviously, it is for this reason, that the percent of applicants in (10-11) grades is smaller in the South than in other areas; again, except for the Pacific area. With respect to the Pacific area, its relatively higher medians of years of school completed, as well as its lower percent in the (10-11) grades, may be assumedly attributed to a relatively higher educational achievement.

Clearly, due to the preliminary mental screening at the recruiting stations, definite caution is to be exercised in interpreting the distributions by education, as revealed by the presented AFEES data.

## Disqualifications for Medical Reasons

General. Four tables (Tables 18-21) have been prepared to indicate the disqualifications of applicants for enlistment due to medical reasons--as related to their educational attainment. The data are differentiated by geographic area, and by race within each geographic area. They are presented in two forms: a. Disqualification for "medical reasons, only," and b. disqualifications for "medical reasons, total." As previously explained, the disqualifications for "medical reasons, only" (Tables 18-19) show the proportions of applicants for enlistment who were medically disqualified (otherwise qualified), in addition to those who were disqualified for mental reasons: total. The disqualifications for "medical reasons, total" (Tables 20-21) show the proportions of applicants who could not meet the medical standards, irrespective of their mental qualifications.

The data cover fiscal years 1972 and 1973 and are shown separately.

The data indicate a certain general drop in the mental disqualifications in FY 1973, as compared with FY 1972. The primary interest is, of course, in the medical disqualifications of applicants for enlistment of high-school educational level: graduates and non-graduates, as they about equally comprise the bulk of the applicants for enlistment, as previously indicated.

High-School Graduates vs. Non-Graduates. The medical disqualification rates (in percent) were as follows for high-school graduates and non-graduates, by fiscal year and race:

### Medical Reasons, only: FY 1972

High-school graduates: Total--11.9 percent disqualified vs. 10.9 percent for non-graduates (1-3 years of high-school); high-school graduates: Caucasian--12.5 percent vs. 11.8 percent for non-graduates; high-school graduates: Negro--9.3 percent vs. 7.3 percent for non-graduates; and 10.9 percent for high-school graduates of "Other Races" vs. 9.7 percent for non-graduates (Table 18).

### Medical Reasons, only: FY 1973

A similar comparison for FY 1973 indicates the following disqualification rates: 12.0 percent, 12.8 percent; 9.0 percent and 11.7 percent for high-school graduates-- Total, Caucasian, Negro, and "Other Races" vs. 10.5 percent, 11.6 percent, 6.8 percent, and 11.0 percent for non-graduates of these same racial subgroups, respectively (Table 19).

Table 18

Applicants for Enlistment: Percent Disqualified for Military Service on Initial Examination,  
by Race, Geographic Area, Educational Attainment, and Disqualifying Cause(s)  
(Fiscal Year 1972)

Race and Geographic Area	Disqualifying Cause(s): Medical Reasons, Only										
	Total	8 Years or Less	High School				College				Post Graduate
			1-3	4	1	2-3	4				
UNITED STATES: Total	11.7	9.7	10.8	11.9	14.5	16.1	16.6	16.5	23.7		
Caucasian	12.5	10.2	11.8	12.5	14.8	16.4	17.0	24.4			
Negro	8.5	6.7	7.3	9.3	12.9	14.7	14.7		*		
Other	10.7	10.7	9.7	10.9	13.4	11.0	10.8		*		
CAUCASIAN											
New England	13.6	12.3	13.0	13.2	17.0	19.5	21.2		*		
Middle Atlantic	12.5	9.2	11.7	12.8	14.9	17.3	17.2		*		
East North Central	12.3	8.6	11.6	12.6	15.2	16.1	16.0		*		
West North Central	14.2	11.9	14.1	13.5	16.8	18.8	15.8		*		
South Atlantic	12.4	10.2	11.7	12.5	15.4	15.6	14.3		*		
East South Central	13.5	10.2	12.7	13.7	16.7	20.4	26.7		*		
West South Central	14.5	12.6	13.2	15.2	17.1	16.7	17.9		*		
Mountain	12.1	13.1	11.4	11.6	13.7	16.5	25.9		*		
Pacific	9.5	3.6	8.9	10.0	9.6	10.5	11.7		*		
NEGRO											
New England	10.1	4.2	10.9	8.2	*	*	*		*		
Middle Atlantic	8.7	6.5	7.7	9.3	16.2	14.3	*		*		
East North Central	7.7	5.7	6.8	8.5	12.4	12.6	*		*		
West North Central	10.0	8.0	8.9	11.2	12.7	*	*		*		
South Atlantic	9.5	7.7	8.0	10.5	13.0	17.0	*		*		
East South Central	7.5	8.9	6.3	8.0	10.2	11.8	*		*		
West South Central	8.3	4.7	6.4	9.5	13.7	14.9	*		*		
Mountain	7.3	*	6.7	7.0	*	*	*		*		
Pacific	6.2	*	5.1	6.3	9.8	11.5	*		*		

\* signifies no sufficient data.

Table 19

Applicants for Enlistment: Percent Disqualified for Military Service on Initial Examination,  
by Race, Geographic Area, Educational Attainment, and Disqualifying Cause(s)

(Fiscal Year 1973)

Race and Geographic Area	Disqualifying Cause(s): Medical Reasons, Only										
	Total	8 Years or Less			High School			College			Post Graduate
		Percent Disqualified by Years of School Completed			Percent Disqualified by Years of School Completed			Percent Disqualified by Years of School Completed			
		1-3	4	1	2-3	4	1	2-3	4		
UNITED STATES: Total	11.5	9.2	10.5	12.0	15.1	15.7	17.0	17.2	28.2		
Caucasian	12.5	10.1	11.6	12.8	15.7	16.4	17.2	17.2	31.4		
Negro	8.0	4.6	6.8	9.0	12.0	12.1	15.5	15.5	*		
Other	11.8	10.0	11.0	11.7	14.5	15.3	16.1	16.1	*		
CAUCASIAN											
New England	15.5	11.6	15.2	15.4	19.6	17.9	18.3	18.3	*		
Middle Atlantic	12.6	10.0	11.5	13.4	15.6	15.6	17.4	17.4	*		
East North Central	12.0	10.9	11.3	11.9	16.7	16.0	16.2	16.2	*		
West North Central	14.5	12.8	13.7	14.3	19.6	19.8	20.1	20.1	*		
South Atlantic	12.6	8.7	11.6	13.6	15.8	16.1	18.5	18.5	*		
East South Central	11.5	8.5	11.1	12.0	13.2	13.5	13.4	13.4	*		
West South Central	12.7	11.2	11.3	13.5	14.7	17.1	18.9	18.9	*		
Mountain	15.9	9.6	13.2	13.7	16.8	19.0	19.6	19.6	*		
Pacific	10.2	10.3	8.9	10.8	12.5	13.0	13.9	13.9	*		
NEGRO											
New England	11.1	*	10.0	13.3	*	*	*	*	*		
Middle Atlantic	8.5	2.7	7.3	10.0	12.2	13.1	*	*	*		
East North Central	7.4	3.7	6.3	8.6	11.6	12.0	*	*	*		
West North Central	9.6	*	9.1	9.8	*	*	*	*	*		
South Atlantic	8.7	5.1	7.4	9.7	11.8	13.1	22.4	22.4	*		
East South Central	6.4	3.9	5.7	6.7	9.7	9.2	*	*	*		
West South Central	7.7	5.0	5.4	9.3	14.7	15.2	*	*	*		
Mountain	9.3	*	8.4	10.0	*	*	*	*	*		
Pacific	6.9	*	5.7	7.7	8.1	*	*	*	*		

\* signifies no sufficient data.

Table 20

Applicants for Enlistment: Percent Disqualified for Military Service on Initial Examination, by Race, Geographic Area, Educational Attainment, and Disqualifying Cause(s)  
(Fiscal Year 1972)

Race and Geographic Area	Disqualifying Cause(s): Medical Reasons: Total										
	Total	2 Years or Less				High School				College	
			1-3	4		1	2-3	4	1	2-3	4
<b>UNITED STATES: Total</b>	13.4	13.4	12.8	14.8	16.3	16.7	24.1				
Caucasian	13.6	13.5	12.9	14.9	16.5	17.1	24.4				
Negro	13.0	13.2	12.4	14.9	15.5	14.8	*				
Other	12.7	12.7	12.5	13.4	11.7	11.4	*				
<b>CAUCASIAN</b>											
New England	14.7	14.3	13.6	17.0	19.8	21.2	*				
Middle Atlantic	13.7	13.7	13.3	15.0	17.4	17.2	*				
East North Central	13.1	13.1	12.8	15.2	16.2	16.1	*				
West North Central	15.0	13.4	13.3	16.8	18.8	15.8	*				
South Atlantic	13.7	13.6	13.1	15.6	16.6	14.5	*				
East South Central	15.1	14.8	14.3	16.7	20.5	24.7	*				
West South Central	16.1	15.7	15.8	17.1	16.7	17.9	*				
Mountain	12.9	12.8	12.1	13.8	16.7	25.9	*				
Pacific	10.0	9.7	10.3	9.8	10.5	11.7	*				
<b>NEGRO</b>											
New England	14.5	15.5	11.2	*	*	*	*				
Middle Atlantic	13.4	13.8	12.1	17.6	15.4	*	*				
East North Central	10.8	10.7	10.4	13.6	13.0	*	*				
West North Central	15.6	15.7	13.6	14.9	*	*	*				
South Atlantic	14.4	14.7	13.9	15.2	17.9	*	*				
East South Central	12.2	12.5	11.6	11.9	12.9	*	*				
West South Central	14.0	14.0	13.4	15.3	15.8	*	*				
Mountain	10.3	10.5	9.6	*	*	*	*				
Pacific	8.0	7.7	7.8	10.6	11.5	*	*				

\* signifies no sufficient data.



Table 21

Applicants for Enlistment: Percent Disqualified for Military Service on Initial Examination, by Race, Geographic Area, Educational Attainment, and Disqualifying Cause(s) (Fiscal Year 1973)

Race and Geographic Area	Disqualifying Cause(s): Medical Reasons: Total										
	Total	8 Years or Less	High School				College				Post Graduate
			1-3	4	1	2-3	4				
<b>UNITED STATES: Total</b>	13.1	14.3	12.7	12.9	15.4	16.0	17.1	28.5			
Caucasian	13.5	14.5	13.1	13.2	15.9	16.5	17.2	31.4			
Negro	11.6	13.1	11.3	11.7	13.6	13.2	16.4	*			
Other	14.6	16.7	14.6	14.2	14.9	16.8	16.8	*			
<b>CAUCASIAN</b>											
New England	16.6	16.5	16.7	15.8	19.6	18.1	18.3	*			
Middle Atlantic	13.8	14.2	13.2	13.9	15.8	16.8	17.4	*			
East North Central	12.8	14.5	12.6	12.3	16.8	16.1	16.2	*			
West North Central	15.2	17.8	14.6	14.6	19.6	19.9	20.1	*			
South Atlantic	14.0	12.9	13.6	14.2	15.9	16.3	18.5	*			
East South Central	12.9	13.3	12.9	12.6	13.3	13.7	13.4	*			
West South Central	14.0	15.6	13.2	14.1	14.9	17.3	18.9	*			
Mountain	14.9	15.6	14.7	14.3	16.8	19.0	19.6	*			
Pacific	10.9	14.7	10.1	11.1	12.7	13.2	13.9	*			
<b>NEGRO</b>											
New England	14.9	*	14.4	16.2	*	*	*	*			
Middle Atlantic	12.2	8.7	11.9	12.6	13.2	14.6	*	*			
East North Central	10.2	9.0	9.6	10.6	13.1	13.1	*	*			
West North Central	13.9	*	14.6	11.4	*	*	*	*			
South Atlantic	12.6	14.4	12.4	12.5	13.5	14.7	23.4	*			
East South Central	10.0	11.6	9.9	9.1	11.4	10.0	*	*			
West South Central	12.2	15.2	10.8	12.9	16.9	15.5	*	*			
Mountain	15.0	*	15.1	14.4	*	*	*	*			
Pacific	8.8	*	8.3	9.3	8.8	*	*	*			

\* signifies no sufficient data.



**Medical Reasons: Total: FY 1972**

High-school graduates: Total--12.8 percent disqualified vs. 13.4 percent for non-graduates; high-school graduates: Caucasian--12.9 percent vs. 13.5 percent for non-graduates; high-school graduates: Negro--12.4 percent vs. 13.2 percent for non-graduates, and high-school graduates--"Other Races"--12.5 percent vs. 12.7 percent for non-graduates (Table 20).

**Medical Reasons: Total: FY 1973**

The high-school graduates show the following medical disqualification rates by race: Total--12.9 percent, Caucasian--13.2 percent; Negro--11.7 percent, and "Other Races"--14.6 percent vs. 12.7 percent; 13.1 percent; 11.3 percent; and 14.6 percent, for non-graduates of same racial groups, respectively (Table 21).

Note, in comparing the disqualifications for "medical reasons, only", non-graduates show lower disqualification rates than high-school graduates, due to the fact that the former group excludes relatively more applicants who failed both the medical and mental requirements ("over-lapping group"). However, when the disqualifications for "medical reasons, total" are considered, the high-school graduates show lower disqualifications for FY 1972 and about the same for FY 1973 as the non-graduates.

The data indicate definite increase in the medical disqualifications of applicants for enlistment above the high-school educational level.

These data by educational attainment also indicate definite geographic differences in the medical disqualifications, as previously revealed when the total medical disqualification rates were evaluated by geographic area (Section VI).

## VII. A CONCLUDING NOTE

### Preliminary Mental Screening--General

As noted at the beginning of the report, there are definite shortcomings to the analyzed data. These data deal with the final phase of the examination of applicants for enlistment, as accomplished at the Armed Forces Examining and Entrance Stations (AFEES). However, a previously emphasized, extensive preliminary mental screening has been taking place prior to the AFEES examinations, which has been affecting variously and significantly--depending on the mental examination procedures and standards of the particular military service--the results of the AFEES' examinations.

### Former Preliminary Mental Screening

Formerly (roughly, prior to 1973), the Army and the Marine Corps used at their respective recruiting stations the EST ("Enlistment Screening Test"), and the Navy used the AQT ("Applicant Qualification Test")--an equivalent test. These former preliminary mental tests, the EST and the AQT, were basically oriented toward the AFQT ("Armed Forces Qualification Test"), designed to yield a "single global assessment of potential to perform successfully in the variety of Army job training programs" (9) and not intended for measuring particular aptitudes for military jobs or assignments ("aptitude areas"). As originally conceived, these preliminary mental tests (EST and AQT) aimed essentially to eliminate applicants who would not be able to meet the minimum AFQT requirements of 10 percentile. In other words, these were basically devised to eliminate applicants in Mental Category V, prior to forwarding these applicants to the AFEES.

Applicants of the Army, the Marine Corps, and the Navy, who passed these preliminary mental tests, have been given during this period at the AFEES both the AFQT and the AQB ("Army Qualification Battery")--the latter being an "aptitude area" test (4;8).

Whereas the preliminary testing of the Army and the Marine Corps was for "general trainability," followed up later (at the AFEES) by testing for specific aptitudes, the Air Force reversed these testing procedures. The Air Force used during this period as a preliminary test, the AQE ("Airman Qualifying Examination"), designed as a screening test for specific aptitude areas--eliminating



from forwarding to the AFEES applicants for enlistment who failed the AQE standards.

The AQE fulfilled basically the function of the AQB, as adaptable for that military service. Therefore, there had been no AQB testing at the AFEES of Air Force applicants for enlistment, who qualified on the AQE. These applicants were tested only on the AFQT, except those who had a previous qualifying ASVAB ("Armed Services Vocational Aptitude Battery") score (4). Obviously, the preliminary mental testing by the Air Force has been by far more intensive than that administered during this time by the Army, the Marine Corps, and the Navy.

All in all, the results of these preliminary tests by the military services have not been included in the USAREC File--the source of this report. Lack of these preliminary mental test data has clearly created a substantiative gap for appraising the mental qualification of potential applicants for enlistment.

#### Current Mental Screening

The referred-to gap has been further widened by new mental screening procedures that became effective beginning with 1973.

To start with, in January 1973, the Navy replaced the former AQT, by the SBTB ("Short Basic Test Battery"), accomplished at their recruiting stations, which fulfills the functions of both the AFQT and the former AQB. Consequently, the Navy applicants for enlistment who have passed the SBTB and are forwarded to the AFEES for further processing, no longer undergo mental testing at the AFEES.

Similarly, the Air Force has replaced in October 1973 the AQE by the ASVAB which "is a uniform test battery developed by a Joint Services Committee from items interchangeable service tests" (2). Like that of the Navy, the new mental procedure instituted by the Air Force has thus eliminated any additional mental testing at the AFEES of applicants who met their ASVAB mental standards.

The former preliminary testing of these military services has become thus complete mental testing. The results of applicants of these military services who failed these current mental tests are not in the USAREC File.

The Army replaced in May 1973, the EST, the AQB, and the AFQT by the new ACB ("Army Classification Battery") test-- a new aptitude area system "to meet more effectively the needs of a modern Army" (9).

The Marine Corps replaced the former analagous mental tests by ASVAB.

The current mental testing of the Army and the Marine Corp is largely accomplished by the AFEES Mobile Examining Teams (MET), prior to the AFEES examination. The results of these mental examinations of Army and Marine Corps applicants, who failed the mental test, are part of the USAREC File.

#### In Sum

Under the currently prevailing mental screening procedures, the results of the mental testing of both the Navy and the Air Force applicants for enlistment, who failed their respective mental tests, are missing in the USAREC File--at present the only source for evaluating the combined moral, mental, and medical fitness of applicants for enlistment. Such an evaluation requires not only quantitative data in regard to all applicants who failed the mental tests, but important qualitative data as well. In other words, there is a need for data relating to the education of all applicants who failed the mental test; their mental score; their age; their racial and ethnic background; and their geographic distribution--a need to be considered not less essential than similar data available with respect to applicants for enlistment who passed the mental tests.

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## X. APPENDICES

Appendix A: Enlistment Contract--Armed Forces  
of the United States (DD Form 4)

Appendix B: Report of Medical Examination  
(Standard Form 88)

ENLISTMENT CONTRACT - ARMED FORCES OF THE UNITED STATES <i>(Also to be used by AFFFS in conjunction with induction processing as a means of providing data for manpower information reporting systems)</i>					Form Approved Budget Bureau No. 22-R0916		
1 SERVICE NO. (YEAR)	2 HIGHEST SCHOOLING GRADE COMPLETED	3 RATE/GRADE	4 BRANCH CLASS AND COMPONENT	5 LAST NAME FIRST NAME MIDDLE NAME			
6 DATE OF ENL. INDC	7 TERM OF ENLISTMENT INDC ____ YEARS <input type="checkbox"/> MINORITY		8 MARITAL STATUS	9 AD DEPT NO	10 NAME & LOCATION OF ACTIVITY (OFFERING ENLISTMENT/ REENLISTMENT/INDUCTION)		
10 APT SCORE	11 EXISTED/REENLISTED/INDUCTED <input type="checkbox"/> REENLIST <input type="checkbox"/> REENL <input type="checkbox"/> INDUCTION			12 AUTHORITY FOR ENLISTMENT/REENLISTMENT/INDUC			
13 TERM OF ACQU (Reverse only) MONTHS	14 ACTIVE/INACTIVE STATUS (Reverse only) <input type="checkbox"/> RETAINED ON AD <input type="checkbox"/> IMMED AD (Within 28 Days) <input type="checkbox"/> INACTIVE DUTY			15 ACCEPTED AT			
16 DATE AND ORIGIN CODE WWD	17 PHYS. APT CODE WWD	18 RELIGION	19 SSAN	20 CONTRACT DUTY LIMITATIONS			
21 DATE OF BIRTH	22 CITIZENSHIP <input type="checkbox"/> US <input type="checkbox"/> NAT US <input type="checkbox"/>		23 COUNTRY (Specify)		24 PLACE OF BIRTH (City, state or country)		
25 DATE OF TRANSFER	26 PHYSICAL PROFILE		27	28 TRANSFER TO (Activity and location)		29	
30 DATE LAST DC. RAD	31 DC FROM WHICH LAST DISCHARGED	32	33 TYPE OF LAST DISCHARGE		34		
35 DATE OF RAT. IGR	36 SELECTIVE SERVICE NO		37 RATE/GR APT/APT	38 SELECTIVE SERVICE LOCAL BD (Hd No., city & state)			
39 RASO/AD/AD	40 TOTAL ACTIVE FEDERAL SERVICE ____ YEARS ____ MONTHS ____ DAYS			41 HOME OF RECORD			
42 SPED/PF&D	43 TOTAL INACTIVE FEDERAL SERVICE ____ YEARS ____ MONTHS ____ DAYS			44 MENTAL TEST SCORES			
45 SEX	46 RACE	47 DATA PROCESSING CODE					
48							
49							
PRIOR SERVICE							
BRANCH & CLASS ARMED FORCE & COMPONENT	SERVICE NUMBER/ SSAN	DATE ENL INDC APT AND OR GRD	DATE OF DISCHARGE OR RELEASE	GRADE/ RATE OR PAY	TYPE OF DISCHARGE	REASON FOR DISCHARGE	TIME LOST (No. Days)
<p>50. I know that if I secure my enlistment by means of any false statement, wilful misrepresentation or concealment as to my qualifications for enlistment, I am liable to trial by court-martial or discharge for fraud, lost enlistment and that, if rejected because of any disqualification known and concealed by me, I will not be furnished return transportation to place of acceptance.</p> <p>I am of the legal age to enlist. I have never deserted from and I am not a member of the Armed Forces of the United States, the US Coast Guard or any Reserve component thereof. I have never been discharged from the Armed Forces or any type of civilian employment in the United States or any other country on account of disability or through sentence of a court-martial or court-martial by the system of "Other Courts" of this contract. I am not now drawing retired pay, a pension, disability allowance, or disability compensation from the government of the United States.</p> <p>51. SECTION 5528 OF TITLE 10 OF THE UNITED STATES CODE is quoted: "That The Secretary of the Navy may extend enlistments in the Regular Navy and the Regular Marine Corps in time of war or in time of national emergency as declared by the President for such period as he considers necessary in the public interest. Each member whose enlistment is extended under this section shall be discharged not later than six months after the end of the war or national emergency, unless he voluntarily extends his enlistment. (c) The substance of this section shall be included in the enlistment contract of each person enlisting in the Regular Navy or Regular Marine Corps."</p> <p>52. SECTION 5509 OF TITLE 10 OF THE UNITED STATES CODE is quoted: "(a) The senior officer present afloat in foreign waters shall send to the United States by Government or other transportation as soon as possible each enlisted member of the naval service who is serving on a naval vessel, whose term of enlistment has expired, and who desires to return to the United States. However, when the senior officer present afloat considers it essential to the public interest, he may retain such a member on active duty until the vessel returns to the United States. (b) Such member retained under this section - (1) shall be discharged not later than 30 days after his arrival in the United States and (2) except in time of war is entitled to an increase in basic pay of 25 percent. (c) The substance of this section shall be included in the enlistment contract of each person enlisting in the naval service."</p> <p>53. I understand that upon enlistment in a Reserve Component of the Armed Forces of the United States or upon transfer or assignment thereto, I may be ordered to active duty without my consent for the duration of a war or national emergency declared by Congress and for six months thereafter, or for a period of 24 consecutive months during a period of national emergency declared by the President or under any other conditions and for such period of time as are presently or hereafter authorized by law. I further understand that a status as a member of the Ready Reserve that if I am not ordered to, or participating satisfactorily in, a unit of the Ready Reserve, and have not performed active duty for a total of 24 months, I may be ordered to active duty without my consent, by order of the President, until my total service on active duty equals 24 months, the term of my enlistment contract shall be.</p>							

DD FORM 4 1 FEB 70

REPLACES DD FORM 4, 1 APR 68, WHICH IS OBSOLETE

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54. I have had this contract fully explained to me, I understand it, and certify that no promise of any kind has been made to me concerning assignment to duty, geographical area, schooling, special programs, assignment of government quarters, or transportation of dependents except as indicated.

55. I swear (or affirm) that the foregoing statements have been read to me, that my statements have been correctly recorded and are true in all respects and that I fully understand the conditions under which I am enlisting.

SIGNATURE OF WITNESS	SIGNATURE OF APPLICANT (First Name - Middle Name - Last Name)
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56. REMARKS

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57. OATH OF ENLISTMENT (For service in Regular or Reserve Component of the Armed Forces except National Guard or Air National Guard)

I, \_\_\_\_\_, do hereby acknowledge to have voluntarily enlisted under the conditions prescribed by law, this \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_, in the \_\_\_\_\_ for a period of \_\_\_\_\_ years unless sooner discharged by proper authority, and I do solemnly swear (or affirm) that I will support and defend the Constitution of the United States against all enemies, foreign and domestic, that I will bear true faith and allegiance to the same, and that I will obey the orders of the President of the United States and the orders of the officers appointed over me, according to regulations, and the Uniform Code of Military Justice. So help me God.

SIGNATURE

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58. OATH OF ENLISTMENT (For service in National Guard or Air National Guard)

I do hereby acknowledge to have voluntarily enlisted this \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_, in the (Army)/(Air) National Guard of the State of \_\_\_\_\_ and as a Reserve of the (Army) (Air Force) with membership in the (Army National Guard of the United States) (Air National Guard of the United States) for a period of \_\_\_\_\_ (Years - Months - Days) under the conditions prescribed by law, unless sooner discharged by proper authority.

I, \_\_\_\_\_, do solemnly swear (or affirm) that I will support and defend the Constitution of the United States and of the State of \_\_\_\_\_ against all enemies, foreign and domestic, that I will bear true faith and allegiance to them, and that I will obey the orders of the President of the United States and Governor of \_\_\_\_\_ and the orders of the officers appointed over me, according to law, regulations, and the Uniform Code of Military Justice. So help me God.

SIGNATURE

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59. CONFIRMATION OF ENLISTMENT

The above oath was subscribed and duly sworn to before me this \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_.

To the best of my judgment and belief, enlistee fulfills all legal requirements, and in enlisting this applicant, I have strictly observed the regulations governing such enlistment. The above oath, as filed in, was read to the applicant prior to subscribing thereto.

TYPE, GRADE, RANK, AND ORGANIZATION OF ENLISTING OFFICER	SIGNATURE OF ENLISTING OFFICER
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## Appendix B

Standard Form 88  
(Rev. June 1956)  
Bureau of the Budget  
Circular A-52 (Rev. 1)

### REPORT OF MEDICAL EXAMINATION

50-100

1. LAST NAME—FIRST NAME—MIDDLE NAME			2. GRADE AND COMPONENT OR POSITION		3. IDENTIFICATION NO.	
4. HOME ADDRESS (Number, street or R.F.D., city or town, zone and State)			5. PURPOSE OF EXAMINATION		6. DATE OF EXAMINATION	
7. SEX	8. RACE	9. TOTAL YEARS GOVERNMENT SERVICE MILITARY      CIVILIAN		10. AGENCY	11. ORGANIZATION UNIT	
12. DATE OF BIRTH		13. PLACE OF BIRTH		14. NAME, RELATIONSHIP, AND ADDRESS OF NEXT OF KIN		
15. EXAMINING FACILITY OR EXAMINER, AND ADDRESS				16. OTHER INFORMATION		
17. RATING OR SPECIALTY			TIME IN THIS CAPACITY (Total)		LAST SIX MONTHS	

CLINICAL EVALUATION		
NORMAL	(Check each item in 42 progress columns, enter "N" if not registered)	FUNCTION
	18. HEAD, FACE, NECK AND SCALP	
	19. NOSE	
	20. SINUSES	
	21. MOUTH AND THROAT	
	22. EARS—GENERAL (Use 2 ear charts—Hudswalder's chart, items 76 and 77)	
	23. EARS (Otitis media)	
	24. EYES—GENERAL (Visual acuity and refraction—Snellen, 20, 30 and 40)	
	25. OPHTHALMOSCOPIC	
	26. EYELIDS (Etiology and reaction)	
	27. OCULAR MOTILITY (Vertical and horizontal—Hudswalder's chart)	
	28. LUNGS AND CHEST (Chest X-ray)	
	29. HEART (TAPPEINER, ECG, P-PHYM, MURMURS)	
	30. VASCULAR SYSTEM (NORMOTENSIVE, ETC.)	
	31. ABDOMEN AND VISCERA (LIVER, SPLEEN)	
	32. ANUS AND RECTUM (Hemorrhoids, fistulae, etc.)	
	33. URINARY SYSTEM	
	34. G.U.T. SYSTEM	
	35. UPPER EXTREMITIES (Strength, range of motion)	
	36. FEET	
	37. LOWER EXTREMITIES (Strength, range of motion)	
	38. SPINE—OTHER MUSCULOSKELETAL	
	39. IDENTIFYING BODY MARKS, SCARS, TATTOOS	
	40. SKIN, LYMPHATICS	
	41. NEUROLOGIC (Equal arm reflex under skin test)	
	42. PSYCHIATRIC (Specify type and results)	
	43. PELVIC (Female only—Check Box only)	

**NOTES** (Describe every abnormality in detail. Enter pertinent item number before each comment. Continue in item 73 and use additional sheets if necessary.)

44. DENTAL (2% or appropriate equivalent of upper and lower teeth, respectively)																REMARKS AND ADDITIONAL DENTAL DEFECTS AND DISEASES	
O — Partially lost      X — Missing teeth      in X's — Fixed bridge, brackets to include abutments I — Nonrestorable teeth      X X X — Replaced by denture																	
R	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	L
I	32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	F
T																	1

LABORATORY FINDINGS			
45. URINALYSIS: A. SPECIFIC GRAVITY		46. CHEST X RAY (Place, date, film number and result)	
B. ALBUMIN		D. MICROSCOPIC	
C. SUGAR		E. BLOOD TYPE AND RH FACTOR	
47. SEROLOGY (Specify test used and result)		48. ECG	49. OTHER TESTS

Appendix B (Continued)

MEASUREMENTS AND OTHER FINDINGS														
51. HEIGHT		52. WEIGHT		53. COLOR HAIR		54. COLOR EYES		55. BUILD (Check one)		SLENDER	MEDIUM	HEAVY	OBESE	56. TEMPERATURE
57. BLOOD PRESSURE (Arm of Heart level)						58. PULSE (Arm of Heart level)								
A SITTING		B RECLIN. JENT		C STANDING (3 min.)		A SITTING		B AFTER EXERCISE	C 2 MIN AFTER	D RECLINENT	E AFTER STANDING 3 MIN.			
SYS		SYS		SYS		A		B	C	D	E			
DIAS		DIAS		DIAS		DIAS		DIAS	DIAS	DIAS	DIAS			
59. INSTANT VISION				60. REFRACTION				61. NEAR VISION						
RIGHT BV		CORR TO 20'		BV		S.		CX	CORR TO		BV			
LEFT BV		CORR TO 20'		BV		S.		CX	CORR. TO		BV			
62. METROPHORIA (Specify distance)														
ES°		EX°		R. H.		L. H.		PRISM DIV.		PRISM CONV. CT		PC	PD	
63. ACCOMMODATION				64. COLOR VISION (Test word and score)				65. DEPTH PERCEPTION (Test word and score)		UNCORRECTED		CORRECTED		
RIGHT		LEFT		RIGHT		LEFT		RIGHT		LEFT		RIGHT		
66. FIELD OF VISION				67. NIGHT VISION (Test word and score)				68. RED LENS TEST		69. INTRAOCULAR TENSION				
70. HEARING				71. AUDEOMETER								72. PSYCHOLOGICAL AND PSYCHOMOTOR (Test word and score)		
RIGHT BV		/15 BV		/15		210	210	210	210	210	210	210	210	210
LEFT BV		/15 BV		/15		P. QNT	P. QNT	P. QNT	P. QNT	P. QNT	P. QNT	P. QNT	P. QNT	P. QNT
LEFT BV		/15 BV		/15		LEFT	LEFT	LEFT	LEFT	LEFT	LEFT	LEFT	LEFT	LEFT
73. NOTES (Continued) AND SIGNIFICANT OR INTERVAL HISTORY														

(Use additional sheets if necessary)

74. SUMMARY OF EFFECTS AND DIAGNOSIS (List diagnosis with item number)

75. RECOMMENDATIONS - FURTHER SPECIALIST EXAMINATIONS INDICATED (Specify)

77. EXAMINEE (Circle)

A  IS QUALIFIED FOR  
B  IS NOT QUALIFIED FOR

78. IF NOT QUALIFIED, LIST QUALIFYING EFFECTS BY ITEM NUMBER

79. TYPED OR PRINTED NAME OF PHYSICIAN

SIGNATURE

80. TYPED OR PRINTED NAME OF PHYSICIAN

SIGNATURE

81. TYPED OR PRINTED NAME OF CONTACT OR PHYSICIAN (Indicate name)

SIGNATURE

82. TYPED OR PRINTED NAME OF REVIEWING OFFICER FOR APPROVING AUTHORITY

SIGNATURE

FORMER OF AT  
TACH'D SHEETS



## XI. ACKNOWLEDGMENTS

I am greatly indebted to G. Lee Giesecke and Louis Pales, Jr. (of MARDAC) for the expeditious and expert manner in which they provided the requested statistical data, and to Mary G. Morrissey and, especially, to Ruth Benedict (of HumRRO) for their patient cooperation in the preparation of this report.

B.D.K.