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Hematological and Nutritional Biochemistry Reference Data for Persons 6 Months– 74 Years of Age: United States, 1976–80

This report presents descriptive data on hematological and nutritional biochemistry determinations from the Second National Health and Nutrition Examination Survey, a national probability sample survey that was conducted in 1976–80

**Data from the National Health Survey
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Contents

Acknowledgments	iii
Introduction	1
Specimen collection and processing	3
Collection	3
Venipuncture	3
Skin puncture	3
Processing	3
Data presentation and reliability	4
Selected findings	6
Hematology	6
Nutritional biochemistry	7
References	10
List of detailed tables	12
Appendixes	
I. Statistical notes	164
II. Glossary of terms	170
III. Analytical methods	172
List of text tables	
A. Content of detailed tables in this report	5
B. International system of units (SI) and former system of units for selected hematologic and biochemical assessments	6

Symbols

- Data not available
 - ...** Category not applicable
 - Quantity zero
 - 0.0** Quantity more than zero but less than 0.05
 - Z** Quantity more than zero but less than 500 where numbers are rounded to thousands
 - *** Figure does not meet standards of reliability or precision
 - #** Figure suppressed to comply with confidentiality requirements
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Hematological and Nutritional Biochemistry Reference Data for Persons 6 Months–74 Years of Age: United States, 1976–80

by Robinson Fulwood, M.S.P.H., Clifford L. Johnson, M.S.P.H., and Janet D. Bryner, Division of Health Examination Statistics, National Center for Health Statistics, and Elaine W. Gunter and Cornelia R. McGrath, M.T. (ASCP), Centers for Disease Control

Introduction

This report presents descriptive hematological and nutritional biochemistry data by sex, race, age, and poverty status (Poverty Index) for civilian noninstitutionalized persons ages 6 months–74 years from the second National Health and Nutrition Examination Survey. These descriptive data provide clinicians and researchers with reference information that can be used to (1) identify distributional differences among population subgroups of epidemiologic interest, (2) suggest reference ranges for specific population subgroups, and (3) identify values of patient test results that may be of medical concern. In addition, these data will enable those public health officials who formulate health policies and programs to identify subpopulations at risk of medical or nutritional problems, or to identify the need for further study to determine potential public health concerns that exist among specific groups.

The National Health and Nutrition Examination Survey is an expansion of the National Health Examination Survey. The surveys are designed to collect data by direct standardized examination of a sample of the population. Direct examinations, coupled with clinical tests and measurements, are the only source of prevalence data regarding unrecognized and untreated diseases and are the best source for standardized clinical, physical, and physiological data. The three programs of the National Health Examination Survey (1959–1970)^{1–3} focused on selected aspects of illness and health for three age groups of the population. For example, each survey obtained data on height and weight, other body measurements, dental health, selected chronic conditions, vision and hearing levels, and other assessments of health status.

In 1971, responsibility for monitoring the nutritional status of the population was added and the National Health Examination Survey became the National Health and Nutrition Examination Survey. The first National Health and Nutrition Examination Survey

(NHANES I), conducted from April 1971 through June 1974, was designed to assess overall health status, with particular emphasis on dental health, skin problems, eye conditions, and the nutritional status of the population 1–74 years of age.⁴ For adults 25–74 years of age, examinations for determining the prevalence of chronic lung disease; disabling arthritis of the hip, knee, or lower spine; cardiovascular disease; and hearing levels were included. In addition, information on health care needs and general well-being was obtained. This segment of the NHANES I program was followed by a 15-month period (July 1974–October 1975) in which an additional national sample of persons 25–74 years of age was given the detailed examination to augment the size of the sample originally included in NHANES I. This study is referred to as the National Health and Nutrition Examination Survey, Augmentation Cycle.⁵

The second National Health and Nutrition Examination Survey (NHANES II) was conducted from 1976 through 1980 and is the source of data for this report. It provides the opportunity to assess the population's health and nutritional status and also to assess some aspects of change over time.⁶ Aspects of measuring nutritional status included a physician's examination, medical history information, body measurements, laboratory assessments on blood and serum, and a dietary interview. Also included in NHANES II were tests and procedures that provide data on diabetes, kidney disease, heart disease, hypertension, certain allergies, disc degeneration, pulmonary function, hearing and speech problems, and exposure to certain potentially toxic substances.

For the second National Health and Nutrition Examination Survey, examinations began in February 1976 and ended in February 1980. During this period, mobile examination centers were moved to 64 locations selected from 1,924 primary sampling units (PSU's) into which the United States is divided. Each PSU is a standard metropolitan statistical area, a county, or a group of two or three contiguous counties. The areas and persons for the survey were chosen by complex sampling techniques, in cooperation with the U.S. Bureau of the Census, to

provide a representative sample of the civilian noninstitutionalized population.

As in previous examination surveys, NHANES II consisted of two components. The household interview component involved collecting socioeconomic and demographic information on the family and sample persons within the family and completing a medical history questionnaire for sample persons. The U.S. Bureau of the Census performed the initial household interviews and aided in the scheduling of appointments for examination. The examination component consisted of interviews and a series of tests and procedures that included:

- A general medical examination and screening by a physician including additional medical history information.
- Body measurements.
- A dietary interview.
- Laboratory tests on whole blood, serum, and urine specimens.
- Selected tests such as electrocardiograms and X-rays.

The examination component was performed in mobile examination centers specially designed for this study. Thus, environment and equipment contributions to differences between examination findings from one sample location to another were minimized. The full-time examination teams were specifically trained to follow the study protocols, which provided for standardization and evaluation of their performance.

The entire sample consisted of 27,801 persons ages 6 months through 74 years. Of these, 20,322 persons were interviewed and examined, a response rate of 73.1 percent. More detail on the sample design and conduct of the survey is presented in appendix I.

The hematological and nutritional biochemistry determinations presented in this report are defined and described in appendix II. They are as follows:

- Hemoglobin concentration.
- Hematocrit (packed cell volume).
- Red blood cell count (RBC).
- White blood cell count (WBC).
- Mean corpuscular volume (MCV).

- Mean corpuscular hemoglobin (MCH).
- Mean corpuscular hemoglobin concentration (MCHC).
- Erythrocyte protoporphyrin (EP).
- Serum iron.
- Serum total iron-binding capacity (TIBC).
- Transferrin saturation.
- Serum zinc.
- Serum copper.
- Serum vitamin C.
- Serum albumin.
- Serum vitamin A.

A short summary of findings focusing on persons ages 3–74 years, as well as a description of tables, is presented in the “Selected Findings” section of this report.

Because some of the determinations for children ages 6 months–2 years were obtained by either skin puncture or venipuncture procedures, these data are presented separately from persons 3–74 years. Further, the data for children ages 6 months–2 years are not presented for the nutritional biochemistries because the amount of missing data for serum iron, serum total iron-binding capacity, erythrocyte protoporphyrin, and transferrin saturation was more than 60 percent; the major reasons for missing data were refusal by the parent to have the venipuncture performed on the child or the technician’s inability to obtain the venipuncture blood sample without unduly upsetting the child.

Other NHANES II biochemical determinations, including the anemia-related assays of serum ferritin, serum folate, serum vitamin B₁₂, and red blood cell folate will be presented in future publications.

The income levels, which take into account family income, family size, sex of head of household, and farm/nonfarm information specific to the household are defined as poverty and nonpoverty. The term “poverty” is used to describe a poverty income ratio less than 1, and the term “nonpoverty” is used to describe a poverty income ratio of 1 or more. A glossary of all terms is in appendix II.

Specimen collection and processing

Collection

Serum, plasma, and whole blood specimens were collected from survey participants by the National Center for Health Statistics (NCHS) field laboratory personnel and were sent to the Centers for Disease Control (CDC), Atlanta, Ga., from 64 different field locations during the survey. These blood specimens were inventoried and distributed for analyses to CDC laboratories as well as to other laboratories.

Venipuncture

The primary area from which the blood was drawn was the antecubital fossa; the dorsum of the hand was a secondary site. The area was cleansed with alcohol and a tourniquet was applied proximal to the site. Once the needle was inserted into the vein, the tourniquet was released to free the flow of blood. If a venipuncture was unsuccessful on children under 5, a skin puncture was attempted.

Skin puncture

One of the middle fingers was selected and cleaned with surgical soap, sprayed with silicone (to minimize lead contamination), and was allowed to dry for several minutes before blood was taken. The fingertip was punctured with a lancet along the lateral side of the finger where there are fewer nerve endings. Blood flow was facilitated by applying a gentle pressure on the finger. Undue milking of the finger was avoided.

Processing

The hemoglobin and hematocrit determinations and red blood cell and white blood cell counts were performed in the mobile examination centers. All other processed blood specimens from one "sample person" (with the exception of the hematology lavender-top tube) to be analyzed at CDC were placed in a sealable plastic bag, frozen in an upright position, and shipped to the Nutritional Biochemistry Branch, Clinical Chemistry Division, Center for Environmental Health (formerly the Bureau of Labs), CDC, Atlanta, Ga., to be processed. Shipments were made by priority mail, on a daily basis, in a large shipper containing the frozen samples and 12 pounds of cake Dry Ice.

Upon arrival at CDC, the specimens were sorted by planned assessment and were stored at -20°C (with the exception of vitamin A vials, which were stored at -70°C).

Peripheral blood smears were made in the mobile examination center and were sent each week to the Division of Host Factors (formerly the Hematology Division, Bureau of Labs), Center for Infectious Diseases, CDC. Hematology tubes were refrigerated and shipped to CDC on a weekly basis in a small shipper with coolant to maintain sample integrity.

Brief descriptions of the analytic methods used for the hematological and biochemical determinations are presented in appendix III. A more detailed description of the biochemical methods has been published.⁷

Data presentation and reliability

A number of statistical measures are used in this report to numerically describe the distribution of each hematological and biochemical variable. Among the descriptive measures are means (arithmetic and age-adjusted), percentiles, and cumulative percent distributions.

The arithmetic mean is a measure of the average value. The age-adjusted mean is adjusted for the effect of age and allows comparison of overall mean values among population subgroups. The percentiles are used to describe the position or ranking of an individual in comparison with the rest of the people who are in the distribution. Finally, the cumulative percent distribution allows the users to choose their own cutoff points in estimating prevalence categories.

The statistical guidelines used in this document for reporting means, standard deviations, standard errors of the means, and percentiles are as follows:

1. Means

- a. If the sample size was less than 25, then the value of the estimated sample mean is not reported.
- b. If the sample size was 25–44, the sample mean is reported to give an impression of the observed distribution but an asterisk is placed beside it to indicate that the statistic does not meet the reliability standard because the distribution of the sampling error may not be normal in some cases.
- c. If the sample size was 45 or more, the sample mean is presented without caveat.

2. Standard deviations and standard errors of the means

- a. If the sample size was less than 25, no estimated values for the standard deviation and standard error of the mean are presented.
- b. If the sample size was 25 or more and the observations were distributed among the primary sampling units (PSU's) so that less than 12 pseudostrata had observations in both of the paired

PSU's, then the values are presented, but an asterisk was placed beside them to indicate that the estimator may be very unstable.

- c. If the sample size was 25 or more and the observations were distributed among the PSU's so that 12 or more pseudostrata had observations in both of the paired PSU's, the standard deviation and standard error of the mean are presented without caveat.

3. Percentiles

- a. The following sample sizes were required for the presentation of percentile estimators given in this report:

<i>Sample size</i>	<i>Percentile</i>
10.....	50th
20.....	25th and 75th
35.....	15th and 85th
50.....	10th and 90th
100.....	5th and 95th

- b. If these minimum sample sizes were not met, there is an asterisk in the cell.

This report does not indicate what levels should be used to describe the prevalence of low or high values for each variable. It is not the intent of the report to set guidelines or standards, but to present the data for reference so that users may review the distributions and select their own cutoff levels.

Each detailed table in this report contains the number of examined persons and the estimated population. There are three types of tables, differing according to the way the data are presented:

1. *Type A* presents the mean, standard deviation, standard error of the mean, and selected percentiles by race and age for each sex.
2. *Type B* presents age-adjusted mean and standard error of the mean by sex, age, race, and poverty status.
3. *Type C* presents cumulative percent distribution by race and age for each sex.

Table A provides the location of the detailed tables.

Table A. Content of detailed tables in this report

Determination	Ages 6 months– 2 years	Ages 3–74 years			Determination	Ages 6 months– 2 years	Ages 3–74 years			
	Type A	Type A	Type B	Type C		Type A	Type A	Type B	Type C	
		Table number						Table number		
Hemoglobin					Iron					
Male	81	1	5	22	Male	-	41	47	50	
Female	81	2	5	23	Female	-	42	47	51	
Hematocrit					TIBC					
Male	82	3	6	24	Male	-	43	48	52	
Female	82	4	6	25	Female	-	44	48	53	
RBC					Transferrin saturation					
Male	83	7	11	26	Male	-	45	49	54	
Female	83	8	11	27	Female	-	46	49	55	
WBC					Zinc					
Male	84	9	12	28	Male	-	56	64	68	
Female	84	10	12	29	Female	-	57	64	69	
MCV					Copper					
Male	85	13	19	30	Male	-	58	65	70	
Female	85	14	19	31	Female	-	59	65	71	
MCH					Vitamin C					
Male	86	15	20	32	Male	-	60	66	72	
Female	86	16	20	33	Female	-	61	66	73	
MCHC					Albumin					
Male	87	17	21	34	Male	-	62	67	74	
Female	87	18	21	35	Female	-	63	67	75	
Protoporphyrin					Vitamin A¹					
Male	-	36	38	39	Male	-	76	78	79	
Female	-	37	38	40	Female	-	77	78	80	

¹Ages 3–11 years only.

Selected findings

NHANES II hematological and biochemical measures represent the most recent cross-sectional data from which estimates can be generalized to the U.S. population. These cross-sectional data were obtained for different age cohorts. The limitations of cross-sectional data should be recognized when evaluating differences among age cohorts as these differences include changes over time.

Statements made in this report concerning differences in mean biochemical values are of two types: (1) statements based on results of statistical test of significance, and (2) statements based on observed differences in mean values (which are not tested for statistical significance but may be of interest from a descriptive standpoint). Statistical methods are described in appendix I. A succinct description of each of the determinations presented in this report is found in appendix II. Table B presents the international system of units (SI) and the former system of units for selected assessments.

The findings presented in the text are selective and are not exhaustive of all possible findings shown in the detailed tables.

Hematology

The mean hemoglobin and hematocrit levels of males and females ages 3–74 years by race and age are presented in tables 1–4. The age-adjusted mean hemoglobin and hematocrit levels by poverty status, sex, race, and selected age groups are presented in tables 5–6.

- There were no significant differences in mean hemoglobin or mean hematocrit levels by sex for children in the age categories 3–11 years.
- Males have significantly higher mean hemoglobin and hematocrit levels than females in age categories 12–74 years. The differences varied by age group from 0.6–2.0 grams per deciliter (g/dL) for hemoglobin, and from 1.4–5.3 percent for hematocrit.
- These significant differences in mean hemoglobin and hematocrit levels were also found for ages 12 through 74 years between white males and females and between black males and females.
- White males in each age category had consistently higher mean hemoglobin and hematocrit levels than

Table B. International system of units (SI) and former system of units for selected hematologic and biochemical assessments

Assessment	Meaning	SI unit	Example	Former unit
RBC	Red blood (cell) count	Number $\times 10^{12}$ per liter	$5.0 \times 10^{12}/L$	5,000,000/cmm, μ^3 , or μL
Hb	Hemoglobin concentration	Grams per deciliter	15.0 g/dL	15 gm/100 mL
VPRC ^a	Volume of packed red cells	Liters per liter	0.45 L/L	45 ml/100 mL or percent
WBC	White blood (cell) count	Number $\times 10^9$ per liter	$5.0 \times 10^9/L$	5,000/cmm, μ^3 , or μL
MCV	Mean corpuscular volume	Femtoliters	87 fL	87 μm
MCH	Mean corpuscular hemoglobin	Picograms	28 pg	28 $\mu\mu g$
MCHC	Mean corpuscular hemoglobin concentration	Grams per deciliter of red cells	34 g/dL	percent
Serum iron ^b	Serum iron	$\mu mol/L$ ($\mu g/100 mL \times 0.179$)	14–29 $\mu mol/L$	80–160 $\mu g/dL$
TIBC ^b	Total iron-binding capacity	$\mu mol/L$ ($\mu g/100 mL \times 0.179$)	45–72 $\mu mol/L$	250–400 $\mu g/dL$

^aHct is also often used to mean VPRC.

^bSI units not employed in this report.

SOURCE: This table was adapted from M. M. Wintrobe: *Clinical Hematology*, 7th ed. Philadelphia, Lea and Febiger, 1974.

black males. The same pattern was observed between white and black females. The difference in mean hemoglobin ranged from 0.4–1.1 g/dL and the difference in mean hematocrit ranged from 0.4–1.9 percent.

- Males ages 65–74 years had significantly lower mean hemoglobin levels than males in the age categories 18–64 years.
- Age-adjusted mean hemoglobin values for persons at the nonpoverty level were 0.2–0.4 g/dL higher than those for persons at the poverty level for each sex. Similar findings were noted for hematocrit values, with differences ranging from 0.0–0.8 percent.
- The black-white differences in age-adjusted mean hemoglobin values were present in both the poverty and nonpoverty categories.

The mean red blood cell and white blood cell counts per liter (L) for males and females ages 3–74 years by race and age are shown in tables 7–10. Tables 11–12 show the age-adjusted mean red blood cell and mean white blood cell counts by poverty status, sex, race, and age.

- The observed mean red blood cell counts were generally the same (about $4.5 \times 10^{12}/L$) for children ages 3–11 years by sex, race, and age group. For each age group 12–74 years there were significant differences ($0.3\text{--}0.7 \times 10^{12}/L$) between males and females for each race, with males having the higher values.
- There was little or no difference ($0.1 \times 10^{12}/L$) in the age-adjusted mean red blood cell counts by sex, age, race, and poverty status.
- The mean white blood cell count for females ages 12–14 years ($7.1 \times 10^9/L$) was significantly lower than that for females ages 3–5 years ($7.9 \times 10^9/L$). For males, the decrease was also significant ($7.6 \times 10^9/L$ to $6.9 \times 10^9/L$) for the same age groups.
- The mean white blood cell counts of males in age categories 15–74 years showed no consistent pattern. The pattern for females showed a significant decrease from $7.7 \times 10^9/L$ at ages 15–17 years to $6.8 \times 10^9/L$ in the age range 55–74 years.
- For each sex, black persons in the age groups 3–74 years had consistently lower mean white blood cell counts than white persons did. Differences ranged from $0.6\text{--}1.3 \times 10^9/L$ between males and $0.2\text{--}1.4 \times 10^9/L$ between females.
- The differences in age-adjusted mean white blood cell counts between the races were still observed when poverty status was taken into account.

The mean corpuscular volume (MCV), mean corpuscular hemoglobin (MCH), and mean corpuscular hemoglobin concentration (MCHC) by race and age are presented for males and females in tables 13–18. The age-adjusted

mean levels for these variables by poverty status, sex, race, and age are shown in tables 19–21.

- The MCV increased with age from the low eighties to about 90 femtoliters (fL) regardless of sex and race. The values for black persons averaged about 1 fL lower than those for white persons.
- The MCH for black persons was about 1 picogram (pg) lower than that for whites (30 versus 29 pg). The MCH generally increased with age for each race-sex group. For white persons the mean MCH increased with age from about 28 pg to 31 pg. For black persons the increase was from 27 to 30 pg.
- The MCHC for males ages 3–74 years was 0.5 g/dL higher than that for females (34.3 versus 33.8 g/dL). Within sex groups, black persons averaged about 1 g/dL less than white persons did.

The cumulative percent distribution of hemoglobin and hematocrit levels, and red blood cell and white blood cell counts of males and females by race and age are presented in tables 22–29. The cumulative percent distribution of the hematologic indexes (MCV, MCH, and MCHC) of males and females by race and age are shown in tables 30–35.

Nutritional biochemistry

The mean erythrocyte protoporphyrin levels of males and females are presented in tables 36–37 by race and age, and in table 38 by poverty status, sex, race, and age. The cumulative percent distribution of erythrocyte protoporphyrin of males and females by race and age are presented in tables 39–40.

- The observed mean erythrocyte protoporphyrin levels were higher for females than for males in each age category except in 9–11 years. These differences were also observed for white males and females in all age categories. Except for ages 6–8 and 55–64 years, black females had higher values than black males did.
- A mean erythrocyte protoporphyrin level of 46 micrograms per deciliter red cell ($\mu\text{g}/\text{dL}$ red cells) or more was observed for males. A mean level of 53 $\mu\text{g}/\text{dL}$ red cells or more was observed for females. The highest level observed was 60 $\mu\text{g}/\text{dL}$ red cells for both males and females at ages 3–5 years.

Serum iron, serum total iron-binding capacity, and transferrin saturation levels are shown in tables 41–46 for males and females for each race-sex group. Age-adjusted mean levels for these determinations are presented in tables 47–49 by poverty status for each sex and each race-sex group. The cumulative percent distributions are shown in tables 50–55.

- Mean serum iron levels were significantly higher for males than for females in all age categories 15 years and over. This same pattern was observed for

white males and females. Differences ranged from about 7–11 micrograms per deciliter ($\mu\text{g}/\text{dL}$) across age categories for both groups. The differences in serum iron values between black males and females ranged from 1–21 $\mu\text{g}/\text{dL}$. These differences were not always statistically significant.

- The mean serum iron levels of black females were consistently lower than those of white females for each age category. Differences ranged from about 2 $\mu\text{g}/\text{dL}$ at ages 3–5 years to about 14 $\mu\text{g}/\text{dL}$ at ages 55–64 years. Except for ages 18–24 years, black males had lower observed mean serum iron levels than white males did. The magnitude of differences ranged from about 2 $\mu\text{g}/\text{dL}$ at ages 18–24 years to about 17 $\mu\text{g}/\text{dL}$ at ages 45–54 years.
- Mean serum total iron-binding capacity of both males and females ages 18 years and older generally decreased with age from 374 to 348 $\mu\text{g}/\text{dL}$ for males and from 394 to 360 $\mu\text{g}/\text{dL}$ for females. This pattern was observed for each race-sex group.
- Males for each age category 15 years and older had higher observed mean transferrin saturation levels than females did. This trend was reversed in age categories less than 15 years, although the differences were smaller. Mean transferrin saturation levels ranged between 28 and 31 percent for males and between 25 and 27 percent for females ages 15 years and older; between 23 and 24 percent for males and between 23 and 26 percent for females in age categories less than 15 years.
- White persons had generally higher mean transferrin saturation levels than black persons did for comparable age and sex categories. Observed differences were generally 4 percent or less. These differences were maintained when the transferrin saturation values were adjusted for age.

Serum zinc, serum copper, serum vitamin C, and serum albumin levels of persons ages 3–74 years for each sex and each race-sex group are shown in tables 56–63. The age-adjusted mean levels of each of these assessments are presented in tables 64–67, and the cumulative percent distributions are presented in tables 68–75.

- The mean serum zinc levels of males in each age category 15 years and over were significantly higher than the mean levels of females. Differences ranged from about 3 $\mu\text{g}/\text{dL}$ at ages 65–74 years to 11 $\mu\text{g}/\text{dL}$ at 18–24 years. Differences of the same magnitude were observed for white persons by sex. For both males and females, black persons in the age group 3–74 years were observed to have serum zinc levels 2–3 $\mu\text{g}/\text{dL}$ lower than white persons did. This finding was not observed in each of the age categories.
- Males in the age group 3–74 years at the nonpoverty income level had significantly higher mean serum

zinc levels than males at the poverty income level (90 versus 86 $\mu\text{g}/\text{dL}$); there was, however, no observed difference in mean serum zinc of females for the same age group. Racial differences were observed within each income level, with black persons having the lower values. The differences were generally of the same magnitude (2–3 $\mu\text{g}/\text{dL}$).

- Mean serum copper levels of males ages 3–11 years were significantly higher than the levels of males in the age group 12–64 years.
- Females ages 15 years and older had significantly higher mean serum copper levels than males of the same age categories. Differences ranged from 38 $\mu\text{g}/\text{dL}$ in the age group 18–24 years to 12 $\mu\text{g}/\text{dL}$ at ages 65–74 years. Similar findings were also observed for white females versus white males. The mean copper levels of black females ages 15 years and older were significantly higher than the mean copper levels of black males for each age category except for ages 65–74 years.
- Black persons, by sex, had higher observed mean serum copper levels than white persons. The mean values for ages 3–74 years were 111 versus 125 $\mu\text{g}/\text{dL}$ for white and black males, respectively, and 133 versus 146 $\mu\text{g}/\text{dL}$ for white and black females, respectively.
- The age-adjusted mean copper levels were higher for all sex and race-sex groups at the poverty income level than at the nonpoverty income level. The differences between income levels were less than 11 $\mu\text{g}/\text{dL}$ across all age-sex-race groups.
- Mean serum copper levels of females regardless of poverty status were statistically higher than those of males for ages 3–74 years (117 versus 138 $\mu\text{g}/\text{dL}$ at poverty and 112 versus 133 $\mu\text{g}/\text{dL}$ at nonpoverty income levels). All age-adjusted mean levels of females were statistically higher than those of males.
- A narrow range of values was observed for mean serum vitamin C. The values of children under age 15 years ranged from 1.1–1.7 milligrams per deciliter (mg/dL) by sex, race, and age. The mean values for persons in the age groups 15–74 years ranged from 0.7–1.3 mg/dL for all sex and race-sex groups.
- Adult males had consistently lower vitamin C levels (0.1–0.4 mg/dL) than females for each age category 18 through 74 years.
- Mean serum vitamin C levels of black persons were consistently lower than those for white persons by sex and age (0.1–0.4 mg/dL for black versus white males and 0.1–0.5 mg/dL for black versus white females).
- With one exception, age-adjusted mean vitamin C levels of males and females were higher at the nonpoverty income level than at the poverty income

level for each age category. Differences of 0.1–0.3 mg/dL were observed.

- The observed mean serum albumin level of males in the age groups 3–74 years ranged from 4.5–5.0 g/dL. An even narrower range, 4.5–4.8 g/dL was observed for females.

Serum vitamin A levels of children ages 3–11 years are presented in tables 76–77 for males and females by race and age. The age-adjusted mean vitamin A levels

and the cumulative percent distributions are shown in tables 78–80.

- Mean serum vitamin A levels of males were higher than those of females in age groups 3–5 and 6–8 years by 2 and 1 $\mu\text{g/dL}$, respectively.

The hematologic data for children ages 6 months–2 years are presented in tables 81–87, however, no findings are presented.

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List of detailed tables

1. Hemoglobin levels of males 3-74 years with mean, standard deviation, standard error of the mean, and selected percentiles, by race and age: United States, 1976-80	15	17. Mean corpuscular hemoglobin concentration of males 3-74 years with mean, standard deviation, standard error of the mean, and selected percentiles, by race and age: United States, 1976-80 ...	31
2. Hemoglobin levels of females 3-74 years with mean, standard deviation, standard error of the mean, and selected percentiles, by race and age: United States, 1976-80	16	18. Mean corpuscular hemoglobin concentration of females 3-74 years with mean, standard deviation, standard error of the mean, and selected percentiles, by race and age: United States, 1976-80 ...	32
3. Hematocrit levels of males 3-74 years with mean, standard deviation, standard error of the mean, and selected percentiles, by race and age: United States, 1976-80	17	19. Mean corpuscular volume of persons 3-74 years with age-adjusted mean and standard error of the age-adjusted mean, by poverty status, sex, race, and age: United States, 1976-80	33
4. Hematocrit levels of females 3-74 years with mean, standard deviation, standard error of the mean, and selected percentiles, by race and age: United States, 1976-80	18	20. Mean corpuscular hemoglobin of persons 3-74 years with age-adjusted mean and standard error of the age-adjusted mean, by poverty status, sex, race, and age: United States, 1976-80	34
5. Hemoglobin levels of persons 3-74 years with age-adjusted mean and standard error of the age-adjusted mean, by poverty status, sex, race, and age: United States, 1976-80	19	21. Mean corpuscular hemoglobin concentration of persons 3-74 years with age-adjusted mean and standard error of the age-adjusted mean, by poverty status, sex, race, and age: United States, 1976-80	35
6. Hematocrit levels of persons 3-74 years with age-adjusted mean and standard error of the age-adjusted mean, by poverty status, sex, race, and age: United States, 1976-80	20	22. Cumulative percent distribution of hemoglobin of males 3-74 years, by age, race, and level of hemoglobin: United States, 1976-80	36
7. Red blood cell count of males 3-74 years with mean, standard deviation, standard error of the mean, and selected percentiles, by race and age: United States, 1976-80	21	23. Cumulative percent distribution of hemoglobin of females 3-74 years, by age, race, and level of hemoglobin: United States, 1976-80	39
8. Red blood cell count of females 3-74 years with mean, standard deviation, standard error of the mean, and selected percentiles, by race and age: United States, 1976-80	22	24. Cumulative percent distribution of hematocrit of males 3-74 years, by age, race, and level of hematocrit: United States, 1976-80	42
9. White blood cell count of males 3-74 years with mean, standard deviation, standard error of the mean, and selected percentiles, by race and age: United States, 1976-80	23	25. Cumulative percent distribution of hematocrit of females 3-74 years, by age, race, and level of hematocrit: United States, 1976-80	45
10. White blood cell count of females 3-74 years with mean, standard deviation, standard error of the mean, and selected percentiles, by race and age: United States, 1976-80	24	26. Cumulative percent distribution of red blood cell count of males 3-74 years, by age, race, and level of red blood cell count: United States, 1976-80	48
11. Red blood cell count of persons 3-74 years with age-adjusted mean and standard error of the age-adjusted mean, by poverty status, sex, race, and age: United States, 1976-80	25	27. Cumulative percent distribution of red blood cell count of females 3-74 years, by age, race, and level of red blood cell count: United States, 1976-80	51
12. White blood cell count of persons 3-74 years with age-adjusted mean and standard error of the age-adjusted mean, by poverty status, sex, race, and age: United States, 1976-80	26	28. Cumulative percent distribution of white blood cell count of males 3-74 years, by age, race, and level of white blood cell count: United States, 1976-80	54
13. Mean corpuscular volume of males 3-74 years with mean, standard deviation, standard error of the mean, and selected percentiles, by race and age: United States, 1976-80	27	29. Cumulative percent distribution of white blood cell count of females 3-74 years, by age, race, and level of white blood cell count: United States, 1976-80	57
14. Mean corpuscular volume of females 3-74 years with mean, standard deviation, standard error of the mean, and selected percentiles, by race and age: United States, 1976-80	28	30. Cumulative percent distribution of mean corpuscular volume of males 3-74 years, by age, race, and level of mean corpuscular volume: United States, 1976-80	60
15. Mean corpuscular hemoglobin of males 3-74 years with mean, standard deviation, standard error of the mean, and selected percentiles, by race and age: United States, 1976-80	29	31. Cumulative percent distribution of mean corpuscular volume of females 3-74 years, by age, race, and level of mean corpuscular volume: United States, 1976-80	63
16. Mean corpuscular hemoglobin of females 3-74 years with mean, standard deviation, standard error of the mean, and selected percentiles, by race and age: United States, 1976-80	30	32. Cumulative percent distribution of mean corpuscular hemoglobin of males 3-74 years, by age, race, and level of mean corpuscular hemoglobin: United States, 1976-80	66

33. Cumulative percent distribution of mean corpuscular hemoglobin of females 3–74 years, by age, race, and level of mean corpuscular hemoglobin: United States, 1976–80	69	55. Cumulative percent distribution of transferrin saturation of females 3–74 years, by age, race, and level of transferrin saturation: United States, 1976–80.	111
34. Cumulative percent distribution of mean corpuscular hemoglobin concentration of males 3–74 years, by age, race, and level of mean corpuscular hemoglobin concentration: United States, 1976–80	72	56. Serum zinc levels of males 3–74 years with mean, standard deviation, standard error of the mean, and selected percentiles, by race and age: United States, 1976–80	114
35. Cumulative percent distribution of mean corpuscular hemoglobin concentration of females 3–74 years, by age, race, and level of mean corpuscular hemoglobin concentration: United States, 1976–80	75	57. Serum zinc levels of females 3–74 years with mean, standard deviation, standard error of the mean, and selected percentiles, by race and age: United States, 1976–80	115
36. Erythrocyte protoporphyrin levels of males 3–74 years with mean, standard deviation, standard error of the mean, and selected percentiles, by race and age: United States, 1976–80	78	58. Serum copper levels of males 3–74 years with mean, standard deviation, standard error of the mean, and selected percentiles, by race and age: United States, 1976–80	116
37. Erythrocyte protoporphyrin levels of females 3–74 years with mean, standard deviation, standard error of the mean, and selected percentiles, by race and age: United States, 1976–80	79	59. Serum copper levels of females 3–74 years with mean, standard deviation, standard error of the mean, and selected percentiles, by race and age: United States, 1976–80	117
38. Erythrocyte protoporphyrin levels of persons 3–74 years with age-adjusted mean and standard error of the age-adjusted mean, by poverty status, sex, race, and age: United States, 1976–80	80	60. Serum vitamin C levels of males 3–74 years with mean, standard deviation, standard error of the mean, and selected percentiles, by race and age: United States, 1976–80	118
39. Cumulative percent distribution of erythrocyte protoporphyrin of males 3–74 years, by age, race, and level of erythrocyte protoporphyrin: United States, 1976–80	81	61. Serum vitamin C levels of females 3–74 years with mean, standard deviation, standard error of the mean, and selected percentiles, by race and age: United States, 1976–80	119
40. Cumulative percent distribution of erythrocyte protoporphyrin of females 3–74 years, by age, race, and level of erythrocyte protoporphyrin: United States, 1976–80	84	62. Serum albumin levels of males 3–74 years with mean, standard deviation, standard error of the mean, and selected percentiles, by race and age: United States, 1976–80	120
41. Serum iron levels of males 3–74 years with mean, standard deviation, standard error of the mean, and selected percentiles, by race and age: United States, 1976–80	87	63. Serum albumin levels of females 3–74 years with mean, standard deviation, standard error of the mean, and selected percentiles, by race and age: United States, 1976–80	121
42. Serum iron levels of females 3–74 years with mean, standard deviation, standard error of the mean, and selected percentiles, by race and age: United States, 1976–80	88	64. Serum zinc levels of persons 3–74 years with age-adjusted mean and standard error of the age-adjusted mean, by poverty status, sex, race, and age: United States, 1976–80	122
43. Serum total iron-binding capacity of males 3–74 years with mean, standard deviation, standard error of the mean, and selected percentiles, by race and age: United States, 1976–80	89	65. Serum copper levels of persons 3–74 years with age-adjusted mean and standard error of the age-adjusted mean, by poverty status, sex, race, and age: United States, 1976–80	123
44. Serum total iron-binding capacity of females 3–74 years with mean, standard deviation, standard error of the mean, and selected percentiles, by race and age: United States, 1976–80	90	66. Serum vitamin C levels of persons 3–74 years with age-adjusted mean and standard error of the age-adjusted mean, by poverty status, sex, race, and age: United States, 1976–80	124
45. Transferrin saturation levels of males 3–74 years with mean, standard deviation, standard error of the mean, and selected percentiles, by race and age: United States, 1976–80	91	67. Serum albumin levels of persons 3–74 years with age-adjusted mean and standard error of the age-adjusted mean, by poverty status, sex, race, and age: United States, 1976–80	125
46. Transferrin saturation levels of females 3–74 years with mean, standard deviation, standard error of the mean, and selected percentiles, by race and age: United States, 1976–80	92	68. Cumulative percent distribution of serum zinc of males 3–74 years, by age, race, and level of serum zinc: United States, 1976–80	126
47. Serum iron levels of persons 3–74 years with age-adjusted mean and standard error of the age-adjusted mean, by poverty status, sex, race, and age: United States, 1976–80	93	69. Cumulative percent distribution of serum zinc of females 3–74 years, by age, race, and level of serum zinc: United States, 1976–80	129
48. Serum total iron-binding capacity of persons 3–74 years with age-adjusted mean and standard error of the age-adjusted mean, by poverty status, sex, race, and age: United States, 1976–80	94	70. Cumulative percent distribution of serum copper of males 3–74 years, by age, race, and level of serum copper: United States, 1976–80	132
49. Transferrin saturation levels of persons 3–74 years with age-adjusted mean and standard error of the age-adjusted mean, by poverty status, sex, race, and age: United States, 1976–80	95	71. Cumulative percent distribution of serum copper of females 3–74 years, by age, race, and level of serum copper: United States, 1976–80	135
50. Cumulative percent distribution of serum iron of males 3–74 years, by age, race, and level of serum iron: United States, 1976–80	96	72. Cumulative percent distribution of serum vitamin C of males 3–74 years, by age, race, and level of serum vitamin C: United States, 1976–80	138
51. Cumulative percent distribution of serum iron of females 3–74 years, by age, race, and level of serum iron: United States, 1976–80	99	73. Cumulative percent distribution of serum vitamin C of females 3–74 years, by age, race, and level of serum vitamin C: United States, 1976–80	141
52. Cumulative percent distribution of serum total iron-binding capacity of males 3–74 years, by age, race, and level of serum total iron-binding capacity: United States, 1976–80	102	74. Cumulative percent distribution of serum albumin of males 3–74 years, by age, race, and level of serum albumin: United States, 1976–80	144
53. Cumulative percent distribution of serum total iron-binding capacity of females 3–74 years, by age, race, and level of serum total iron-binding capacity: United States, 1976–80	105	75. Cumulative percent distribution of serum albumin of females 3–74 years, by age, race, and level of serum albumin: United States, 1976–80	147
54. Cumulative percent distribution of transferrin saturation of males 3–74 years, by age, race, and level of transferrin saturation: United States, 1976–80	108	76. Serum vitamin A levels of males 3–11 years with mean, standard deviation, standard error of the mean, and selected percentiles, by race and age: United States, 1976–80	150
		77. Serum vitamin A levels of females 3–11 years with mean, standard deviation, standard error of the mean, and selected percentiles, by race and age: United States, 1976–80	150

<p>78. Serum vitamin A levels of children 3–11 years with age-adjusted mean and standard error of the age-adjusted mean, by poverty status, sex, and race: United States, 1976–80. 151</p> <p>79. Cumulative percent distribution of serum vitamin A of males 3–11 years, by age, race, and level of serum vitamin A: United States, 1976–80. 152</p> <p>80. Cumulative percent distribution of serum vitamin A of females 3–11 years, by age, race, and level of serum vitamin A: United States, 1976–80. 154</p> <p>81. Hemoglobin levels of children 6 months–2 years with mean, standard deviation, standard error of the mean, and selected percentiles, by sex, race, and age: United States, 1976–80. 156</p> <p>82. Hematocrit levels of children 6 months–2 years with mean, standard deviation, standard error of the mean, and selected percentiles, by sex, race, and age: United States, 1976–80. 157</p>	<p>83. Red blood cell count of children 6 months–2 years with mean, standard deviation, standard error of the mean, and selected percentiles, by sex, race, and age: United States, 1976–80. 158</p> <p>84. White blood cell count of children 6 months–2 years with mean, standard deviation, standard error of the mean, and selected percentiles, by sex, race, and age: United States, 1976–80. 159</p> <p>85. Mean corpuscular volume of children 6 months–2 years with mean, standard deviation, standard error of the mean, and selected percentiles, by sex, race, and age: United States, 1976–80. 160</p> <p>86. Mean corpuscular hemoglobin of children 6 months–2 years with mean, standard deviation, standard error of the mean, and selected percentiles, by sex, race, and age: United States, 1976–80. 161</p> <p>87. Mean corpuscular hemoglobin concentration of children 6 months–2 years with mean, standard deviation, standard error of the mean, and selected percentiles, by sex, race, and age: United States, 1976–80. 162</p>
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Table 1. Hemoglobin levels of males 3-74 years with mean, standard deviation, standard error of the mean, and selected percentiles, by race and age: United States, 1976-80

Race and age	Number of examined persons	Estimated population in thousands	Mean	Standard deviation	Standard error of the mean	Percentile								
						5th	10th	15th	25th	50th	75th	85th	90th	95th
Hemoglobin in grams per deciliter														
All races ¹														
3-74 years....	8,709	95,136	14.7	1.40	0.03	12.2	12.7	13.1	13.8	14.9	15.7	16.1	16.4	16.8
3-5 years.....	1,019	4,695	12.3	0.84	0.04	11.0	11.3	11.5	11.8	12.3	12.9	13.2	13.4	13.7
6-8 years.....	382	5,336	12.7	0.90	0.07	11.3	11.6	11.9	12.1	12.7	13.3	13.6	13.9	14.1
9-11 years....	432	5,310	13.1	0.86	0.05	11.6	12.0	12.3	12.5	13.1	13.7	13.9	14.2	14.5
12-14 years...	485	5,920	13.8	1.05	0.05	12.1	12.4	12.6	13.0	13.8	14.4	14.9	15.1	15.4
15-17 years...	528	6,320	14.7	1.04	0.06	12.9	13.3	13.7	14.1	14.8	15.4	15.7	15.8	16.2
18-24 years...	974	13,275	15.3	1.03	0.04	13.6	14.0	14.2	14.7	15.4	16.0	16.4	16.6	17.0
25-34 years...	1,058	15,895	15.3	0.98	0.04	13.7	14.1	14.2	14.6	15.3	15.9	16.2	16.5	16.9
35-44 years...	737	11,367	15.2	1.09	0.06	13.3	13.8	14.0	14.5	15.2	15.9	16.3	16.5	16.9
45-54 years...	688	11,114	15.1	1.17	0.06	13.3	13.6	14.0	14.3	15.1	15.9	16.3	16.6	17.0
55-64 years...	1,217	9,607	15.1	1.22	0.05	13.1	13.6	13.9	14.4	15.1	15.9	16.2	16.5	16.8
65-74 years...	1,189	6,297	14.8	1.38	0.06	12.6	13.1	13.5	14.0	14.8	15.6	16.1	16.4	16.9
White														
3-74 years....	7,426	81,889	14.8	1.35	0.03	12.3	12.9	13.3	14.0	15.0	15.7	16.1	16.4	16.8
3-5 years.....	808	3,789	12.4	0.84	0.04	11.1	11.4	11.6	11.8	12.4	12.9	13.2	13.5	13.8
6-8 years.....	319	4,357	12.8	0.85	0.06	11.4	11.7	11.9	12.2	12.7	13.3	13.7	13.9	14.1
9-11 years....	351	4,411	13.2	0.82	0.06	11.9	12.3	12.4	12.6	13.2	13.8	14.0	14.2	14.5
12-14 years...	399	4,864	13.9	1.01	0.06	12.3	12.6	12.8	13.2	13.9	14.5	14.9	15.2	15.5
15-17 years...	437	5,269	14.8	0.90	0.06	13.3	13.6	13.8	14.2	14.9	15.4	15.7	15.9	16.2
18-24 years...	835	11,442	15.4	0.97	0.04	13.9	14.2	14.4	14.8	15.4	16.1	16.5	16.6	17.0
25-34 years...	895	13,864	15.3	0.94	0.04	13.9	14.1	14.3	14.7	15.4	16.0	16.3	16.5	16.9
35-44 years...	647	9,808	15.2	1.05	0.06	13.5	13.9	14.2	14.5	15.3	15.9	16.3	16.6	16.9
45-54 years...	616	9,865	15.2	1.12	0.06	13.4	13.8	14.1	14.5	15.2	15.9	16.3	16.6	17.0
55-64 years...	1,080	8,642	15.2	1.17	0.05	13.3	13.8	14.0	14.5	15.2	15.9	16.2	16.5	16.9
65-74 years...	1,039	5,576	14.9	1.32	0.06	12.7	13.3	13.6	14.1	14.9	15.7	16.1	16.4	16.9
Black														
3-74 years....	1,081	10,583	13.8	1.46	0.06	11.4	11.9	12.2	12.8	13.9	14.9	15.4	15.7	15.9
3-5 years.....	177	718	11.9	*0.75	*0.06	10.9	11.0	11.2	11.4	12.0	12.5	12.7	13.0	13.3
6-8 years.....	50	787	12.4	*1.14	*0.21	*	10.7	11.3	11.7	12.4	13.0	13.5	13.5	*
9-11 years....	72	767	12.3	*0.77	*0.10	*	11.4	11.5	11.8	12.4	13.0	13.1	13.3	*
12-14 years...	72	851	13.1	*1.13	*0.17	*	11.8	12.0	12.2	13.0	13.9	14.4	14.9	*
15-17 years...	77	867	13.8	*1.35	*0.21	*	11.8	12.4	12.9	14.0	14.7	15.2	15.6	*
18-24 years...	118	1,533	14.6	*1.07	*0.10	12.9	13.4	13.5	14.0	14.6	15.4	15.8	16.1	16.4
25-34 years...	136	1,546	14.6	1.11	0.09	12.5	13.0	13.3	13.9	14.6	15.4	15.8	15.9	16.0
35-44 years...	69	1,112	14.4	*1.22	*0.16	*	13.1	13.3	13.7	14.6	15.6	15.8	15.8	*
45-54 years...	61	1,044	14.2	*1.25	*0.22	*	12.9	13.3	13.5	14.2	15.0	15.4	15.5	*
55-64 years...	125	801	14.1	*1.34	*0.12	12.1	12.5	12.8	13.3	14.1	15.0	15.4	15.8	16.3
65-74 years...	124	555	13.9	1.62	0.16	11.3	12.3	12.7	13.0	13.8	14.9	15.6	15.9	16.3

¹Includes data for races not shown as separate categories.

Table 2. Hemoglobin levels of females 3–74 years with mean, standard deviation, standard error of the mean, and selected percentiles, by race and age: United States, 1976–80

Race and age	Number of examined persons	Estimated population in thousands	Mean	Standard deviation	Standard error of the mean	Percentile								
						5th	10th	15th	25th	50th	75th	85th	90th	95th
All races ¹														
Hemoglobin in grams per deciliter														
3–74 years	9,086	100,741	13.3	1.12	0.03	11.5	12.0	12.3	12.6	13.3	14.1	14.5	14.7	15.2
3–5 years	919	4,491	12.3	0.86	0.05	11.0	11.3	11.5	11.7	12.3	12.9	13.2	13.4	13.8
6–8 years	369	4,877	12.7	0.88	0.06	11.3	11.5	11.8	12.1	12.7	13.3	13.6	13.7	14.2
9–11 years	402	5,357	13.1	0.85	0.06	11.6	12.0	12.2	12.5	13.1	13.7	13.9	14.1	14.5
12–14 years	463	5,712	13.2	0.91	0.06	11.7	12.0	12.2	12.5	13.2	13.8	14.1	14.3	14.6
15–17 years	437	6,131	13.3	1.06	0.06	11.4	12.0	12.4	12.7	13.3	14.0	14.3	14.7	15.0
18–24 years	1,039	14,173	13.3	1.08	0.06	11.5	12.0	12.3	12.7	13.4	14.0	14.4	14.6	15.0
25–34 years	1,157	16,856	13.3	1.09	0.05	11.5	11.9	12.2	12.6	13.3	14.0	14.4	14.7	15.0
35–44 years	837	12,284	13.4	1.13	0.04	11.5	12.1	12.3	12.8	13.5	14.1	14.5	14.8	15.2
45–54 years	757	11,918	13.6	1.24	0.05	11.7	12.1	12.4	12.8	13.6	14.4	14.8	15.1	15.5
55–64 years	1,309	10,743	13.7	1.12	0.04	12.0	12.3	12.6	12.9	13.6	14.4	14.9	15.1	15.6
65–74 years	1,397	8,198	13.7	1.15	0.04	11.9	12.3	12.6	13.0	13.7	14.4	14.8	15.0	15.5
White														
3–74 years	7,704	86,352	13.4	1.09	0.03	11.7	12.1	12.4	12.8	13.4	14.1	14.5	14.8	15.2
3–5 years	736	3,666	12.4	0.85	0.04	11.1	11.4	11.6	11.8	12.4	13.0	13.3	13.5	13.9
6–8 years	290	4,014	12.8	0.88	0.07	11.3	11.6	11.8	12.1	12.8	13.3	13.7	13.8	14.3
9–11 years	332	4,482	13.2	0.77	0.06	11.9	12.2	12.4	12.7	13.2	13.7	13.9	14.2	14.5
12–14 years	372	4,746	13.3	0.86	0.06	11.9	12.2	12.3	12.6	13.3	13.9	14.2	14.3	14.7
15–17 years	361	5,147	13.4	1.01	0.07	11.8	12.3	12.5	12.8	13.4	14.1	14.5	14.8	15.1
18–24 years	872	11,919	13.4	1.01	0.05	11.8	12.2	12.4	12.8	13.5	14.1	14.4	14.7	15.0
25–34 years	991	14,494	13.4	1.06	0.05	11.6	12.0	12.3	12.7	13.4	14.0	14.4	14.7	15.1
35–44 years	719	10,584	13.5	1.09	0.04	11.9	12.2	12.4	12.8	13.5	14.2	14.6	14.8	15.2
45–54 years	643	10,369	13.7	1.21	0.06	11.9	12.3	12.6	13.0	13.7	14.4	14.8	15.2	15.6
55–64 years	1,158	9,601	13.8	1.09	0.04	12.1	12.5	12.7	13.0	13.7	14.5	14.9	15.2	15.6
65–74 years	1,230	7,329	13.8	1.13	0.04	12.1	12.5	12.7	13.0	13.8	14.4	14.8	15.1	15.6
Black														
3–74 years	1,216	12,107	12.6	1.09	0.05	11.0	11.3	11.6	11.9	12.6	13.3	13.6	13.9	14.4
3–5 years	164	703	11.9	*0.83	*0.09	10.5	10.9	11.1	11.4	11.9	12.4	12.8	13.1	13.3
6–8 years	71	729	12.2	*0.77	*0.10	*	11.3	11.4	11.7	12.3	12.8	13.1	13.1	*
9–11 years	64	811	12.4	*1.00	*0.19	*	11.2	11.5	11.7	12.3	12.9	13.6	13.9	*
12–14 years	84	846	12.5	*0.89	*0.08	*	11.3	11.5	11.9	12.4	13.1	13.5	13.7	*
15–17 years	69	871	12.5	*1.05	*0.14	*	11.2	11.4	11.8	12.6	13.2	13.5	13.5	*
18–24 years	141	1,873	12.6	*1.27	*0.19	10.5	11.0	11.6	11.9	12.7	13.4	13.6	13.9	14.5
25–34 years	141	1,953	12.6	*1.04	*0.09	11.0	11.5	11.7	12.0	12.7	13.1	13.5	13.8	14.3
35–44 years	103	1,415	12.6	*1.18	*0.12	11.0	11.2	11.5	11.9	12.8	13.3	13.6	13.9	14.5
45–54 years	98	1,215	12.8	*1.11	*0.11	*	11.5	11.9	12.2	12.9	13.4	14.1	14.3	*
55–64 years	133	959	13.0	*1.03	*0.08	11.3	11.8	12.0	12.3	12.8	13.6	14.2	14.3	14.7
65–74 years	148	733	12.9	1.05	0.11	10.9	11.5	11.7	12.1	13.0	13.5	13.8	14.1	14.7

¹Includes data for races not shown as separate categories.

Table 3. Hematocrit levels of males 3-74 years with mean, standard deviation, standard error of the mean, and selected percentiles, by race and age: United States, 1976-80

Race and age	Number of examined persons	Estimated population in thousands	Mean	Standard deviation	Standard error of the mean	Percentile								
						5th	10th	15th	25th	50th	75th	85th	90th	95th
All races ¹						Hematocrit in percent								
3-74 years . . .	8,709	95,136	42.8	3.87	0.07	35.6	37.2	38.6	40.5	43.2	45.5	46.6	47.2	48.2
3-5 years	1,019	4,695	35.9	2.28	0.15	32.5	33.2	33.7	34.5	35.7	37.2	38.2	39.0	40.0
6-8 years	382	5,336	37.0	2.40	0.18	33.5	34.0	34.7	35.5	37.0	38.5	39.2	39.7	40.7
9-11 years	432	5,310	38.1	2.44	0.16	34.5	35.1	35.7	36.5	38.1	40.0	40.5	41.1	42.0
12-14 years . . .	485	5,920	40.2	2.87	0.14	35.5	36.5	37.2	38.1	40.2	42.0	43.1	43.7	45.0
15-17 years . . .	528	6,320	42.9	2.75	0.16	38.2	39.2	40.0	41.0	43.0	45.0	45.7	46.1	47.0
18-24 years . . .	974	13,275	44.6	2.66	0.10	40.0	41.1	42.0	43.0	44.7	46.2	47.2	48.0	49.0
25-34 years . . .	1,058	15,895	44.4	2.60	0.11	40.2	41.1	42.0	42.6	44.5	46.0	47.0	47.7	48.6
35-44 years . . .	737	11,367	44.2	2.76	0.13	39.7	41.0	41.5	42.5	44.2	46.0	47.0	47.7	48.2
45-54 years . . .	688	11,114	44.1	3.06	0.14	39.1	40.5	41.2	42.0	44.1	46.0	47.1	48.0	49.2
55-64 years . . .	1,217	9,607	44.1	3.30	0.11	39.0	40.2	41.1	42.2	44.2	46.1	47.2	48.0	49.0
65-74 years . . .	1,189	6,297	43.6	3.69	0.15	38.0	39.2	40.2	41.7	44.0	45.7	47.0	48.0	49.5
White														
3-74 years . . .	7,426	81,889	43.0	3.77	0.08	36.0	37.7	39.0	41.0	43.5	45.6	46.7	47.5	48.2
3-5 years	808	3,789	36.0	2.33	0.15	32.5	33.2	33.7	34.5	36.0	37.2	38.5	39.0	40.0
6-8 years	319	4,357	37.0	2.28	0.17	33.7	34.2	34.7	35.5	37.0	38.6	39.2	39.7	40.6
9-11 years	351	4,411	38.3	2.31	0.16	34.7	35.6	36.0	37.0	38.2	40.0	40.6	41.2	42.1
12-14 years . . .	399	4,864	40.3	2.80	0.15	35.7	36.7	37.5	38.2	40.2	42.0	43.2	44.0	45.0
15-17 years . . .	437	5,269	43.0	2.55	0.16	38.7	39.6	40.2	41.2	43.1	45.0	45.6	46.1	47.0
18-24 years . . .	835	11,442	44.7	2.57	0.11	40.2	41.5	42.0	43.0	45.0	46.2	47.2	48.0	49.0
25-34 years . . .	895	13,864	44.4	2.50	0.11	40.5	41.2	42.0	42.7	44.5	46.0	47.0	47.7	48.6
35-44 years . . .	647	9,808	44.2	2.66	0.14	40.0	41.0	41.7	42.6	44.5	46.0	47.0	47.7	48.1
45-54 years . . .	616	9,865	44.3	3.02	0.16	39.2	40.7	41.5	42.2	44.2	46.1	47.2	48.0	49.2
55-64 years . . .	1,080	8,642	44.3	3.23	0.12	39.2	40.5	41.2	42.2	44.2	46.2	47.2	48.0	49.1
65-74 years . . .	1,039	5,576	43.8	3.57	0.16	38.0	39.7	40.5	41.7	44.0	46.0	47.0	48.0	49.5
Black														
3-74 years . . .	1,081	10,583	41.4	4.29	0.16	34.1	35.2	36.7	38.1	42.0	44.5	45.7	46.5	47.7
3-5 years	177	718	35.3	*1.98	*0.20	32.2	33.0	33.2	34.0	35.2	36.7	37.5	37.7	39.0
6-8 years	50	787	36.6	*2.90	*0.52	*	33.2	34.0	35.0	37.0	38.0	39.0	39.1	*
9-11 years	72	767	36.7	*2.80	*0.50	*	33.0	34.2	35.0	37.0	38.6	39.1	40.2	*
12-14 years . . .	72	851	39.1	*3.25	*0.42	*	34.5	36.0	37.0	39.0	41.2	43.0	43.5	*
15-17 years . . .	77	867	41.8	*3.68	*0.54	*	36.2	37.2	39.0	42.5	45.0	46.0	46.0	*
18-24 years . . .	118	1,533	43.7	*2.94	*0.36	38.2	40.2	40.6	42.0	44.0	45.6	46.2	47.5	48.5
25-34 years . . .	136	1,546	43.7	3.26	0.29	38.0	39.0	40.7	42.0	44.0	46.0	47.0	47.5	48.5
35-44 years . . .	69	1,112	43.1	*3.44	*0.47	*	39.0	40.2	41.0	43.0	45.5	47.1	47.7	*
45-54 years . . .	61	1,044	42.6	*3.12	*0.53	*	38.0	40.2	41.0	43.0	44.2	45.5	46.0	*
55-64 years . . .	125	801	42.5	*3.78	*0.34	36.0	37.5	39.0	40.2	43.0	45.0	46.0	47.2	48.0
65-74 years . . .	124	555	41.9	4.54	0.36	34.2	37.2	38.7	39.6	41.7	45.1	46.2	47.2	50.0

¹Includes data for races not shown as separate categories.

Table 4. Hematocrit levels of females 3-74 years with mean, standard deviation, standard error of the mean, and selected percentiles, by race and age: United States, 1976-80

Race and age	Number of examined persons	Estimated population in thousands	Mean	Standard deviation	Standard error of the mean	Percentile								
						5th	10th	15th	25th	50th	75th	85th	90th	95th
All races ¹						Hematocrit in percent								
3-74 years...	9,086	100,741	39.4	3.08	0.07	34.5	35.7	36.2	37.5	39.5	41.5	42.5	43.2	44.5
3-5 years....	919	4,491	36.0	2.32	0.15	32.5	33.1	34.0	34.5	36.0	37.5	38.2	39.0	40.0
6-8 years....	369	4,877	37.0	2.24	0.13	33.6	34.0	34.6	35.2	37.0	38.7	39.2	39.7	41.0
9-11 years...	402	5,357	38.3	2.31	0.15	34.2	35.2	36.0	36.7	38.2	39.7	40.5	41.0	42.7
12-14 years...	463	5,712	38.8	2.39	0.15	34.5	35.7	36.2	37.2	39.0	40.5	41.2	41.7	42.5
15-17 years...	437	6,131	39.3	2.74	0.15	34.2	36.0	36.7	37.7	39.2	41.1	42.0	42.7	43.7
18-24 years...	1,039	14,173	39.3	2.92	0.14	34.6	36.0	36.5	37.5	39.7	41.1	42.1	42.7	44.0
25-34 years...	1,157	16,856	39.4	2.91	0.11	34.7	36.7	36.7	37.6	39.2	41.2	42.2	43.0	44.2
35-44 years...	837	12,284	39.7	2.96	0.10	34.7	36.1	37.0	38.0	40.0	41.7	43.0	43.5	44.7
45-54 years...	757	11,918	40.3	3.29	0.15	35.2	36.5	37.2	38.2	40.0	42.2	43.5	44.2	45.5
55-64 years...	1,309	10,743	40.5	3.07	0.11	36.0	36.7	37.5	38.5	40.2	42.5	43.7	44.6	45.6
65-74 years...	1,397	8,198	40.5	3.16	0.10	35.5	37.0	37.5	38.7	40.5	42.5	43.5	44.2	45.2
White														
3-74 years...	7,704	86,352	39.6	3.04	0.08	34.7	36.0	36.7	37.7	39.7	41.5	42.7	43.5	44.7
3-5 years....	736	3,666	36.1	2.29	0.14	32.7	33.2	34.0	34.6	36.0	37.6	38.2	39.0	40.0
6-8 years....	290	4,014	37.1	2.28	0.16	33.5	34.0	34.7	35.2	37.0	38.7	39.2	40.0	41.0
9-11 years...	332	4,482	38.5	2.19	0.15	35.0	35.7	36.2	37.0	38.5	40.0	40.6	41.0	42.1
12-14 years...	372	4,746	39.0	2.31	0.16	34.7	36.0	36.6	37.5	39.0	40.6	41.2	41.7	42.7
15-17 years...	361	5,147	39.5	2.70	0.17	35.0	36.2	37.0	38.0	39.6	41.2	42.1	43.0	43.7
18-24 years...	872	11,919	39.6	2.81	0.14	35.0	36.1	37.0	37.7	40.0	41.5	42.2	43.0	44.0
25-34 years...	991	14,494	39.5	2.83	0.11	35.0	36.0	37.0	37.7	39.5	41.2	42.2	43.2	44.2
35-44 years...	719	10,584	39.9	2.90	0.11	35.2	36.5	37.1	38.0	40.0	41.7	43.0	43.6	45.0
45-54 years...	643	10,369	40.5	3.29	0.17	35.2	36.7	37.5	38.5	40.2	42.5	43.6	44.5	45.7
55-64 years...	1,158	9,601	40.7	3.04	0.12	36.0	37.0	37.7	38.7	40.5	42.7	44.0	44.7	45.7
65-74 years...	1,230	7,329	40.7	3.15	0.10	36.0	37.1	37.7	38.7	40.7	42.6	43.7	44.5	45.5
Black														
3-74 years...	1,216	12,107	38.0	3.04	0.13	33.5	34.2	35.0	36.0	38.0	40.0	41.0	41.7	43.1
3-5 years....	164	703	35.6	*2.53	*0.33	32.0	33.0	33.2	34.1	35.5	37.0	38.5	39.1	40.1
6-8 years....	71	729	36.6	*2.14	*0.26	*	34.0	34.0	34.7	37.0	38.2	39.0	39.0	*
9-11 years...	64	811	37.1	*2.72	*0.44	*	34.0	34.2	35.0	37.0	39.0	40.2	40.7	*
12-14 years...	84	846	37.5	*2.45	*0.26	*	34.2	34.5	36.0	37.5	39.5	40.0	40.6	*
15-17 years...	69	871	37.8	*2.65	*0.38	*	34.1	34.2	36.1	38.0	39.5	40.0	40.5	*
18-24 years...	141	1,873	38.0	*3.28	*0.44	32.1	34.2	35.0	36.0	38.2	40.1	40.7	41.2	43.1
25-34 years...	141	1,953	38.1	*3.10	*0.30	33.2	34.7	35.5	36.7	38.0	40.0	41.0	42.0	43.0
35-44 years...	103	1,415	38.2	*3.15	*0.32	34.0	34.7	35.0	36.1	38.0	40.0	41.5	42.7	43.6
45-54 years...	98	1,215	39.0	*2.94	*0.24	*	35.6	36.5	37.5	38.7	41.0	41.5	43.0	*
55-64 years...	133	959	39.1	*3.04	*0.32	34.5	35.0	36.0	37.0	39.0	41.0	43.0	43.2	45.0
65-74 years...	148	733	38.9	2.87	0.29	34.2	35.2	35.7	37.0	39.5	40.7	41.5	42.0	43.6

¹Includes data for races not shown as separate categories.

Table 5. Hemoglobin levels of persons 3-74 years with age-adjusted mean and standard error of the age-adjusted mean, by poverty status, sex, race, and age: United States, 1976-80

Sex, race, and age	Poverty status								
	Poverty				Nonpoverty				
	Number of examined persons	Estimated population in thousands ¹	Age-adjusted mean	Standard error of the age-adjusted mean	Number of examined persons	Estimated population in thousands ¹	Age-adjusted mean	Standard error of the age-adjusted mean	
MALE		Hemoglobin in grams per deciliter				Hemoglobin in grams per deciliter			
All races ²									
3-74 years.....	1,243	10,875	14.4	0.05	7,158	80,651	14.7	0.04	
3-17 years.....	581	4,529	13.1	0.08	2,180	22,101	13.5	0.04	
18-44 years.....	325	4,163	15.1	0.06	2,353	35,058	15.3	0.04	
45-64 years.....	173	1,424	14.7	0.08	1,643	18,180	15.1	0.04	
65-74 years.....	164	759	14.5	0.13	982	5,312	14.8	0.07	
White									
3-74 years.....	820	7,347	14.7	0.05	6,375	71,712	14.8	0.03	
3-17 years.....	345	2,741	13.4	0.09	1,906	19,167	13.6	0.04	
18-44 years.....	233	2,976	15.3	0.06	2,081	31,168	15.4	0.04	
45-64 years.....	126	1,080	14.9	0.08	1,498	16,524	15.2	0.04	
65-74 years.....	116	551	14.9	0.18	890	4,853	14.9	0.07	
Black									
3-74 years.....	379	3,043	13.7	0.10	641	6,931	13.8	0.05	
3-17 years.....	212	1,583	12.6	0.12	219	2,272	12.9	0.11	
18-44 years.....	77	940	14.5	*0.16	224	2,987	14.6	0.10	
45-64 years.....	46	341	14.1	*0.26	124	1,325	14.2	*0.15	
65-74 years.....	44	179	*13.4	*0.18	74	347	14.1	*0.16	
FEMALE									
All races ²									
3-74 years.....	1,621	15,251	13.2	0.05	7,112	81,732	13.4	0.04	
3-17 years.....	585	5,098	12.7	0.06	1,914	20,504	13.1	0.04	
18-44 years.....	520	6,612	13.2	0.07	2,425	35,364	13.4	0.04	
45-64 years.....	264	2,296	13.4	0.11	1,707	19,357	13.7	0.04	
65-74 years.....	252	1,245	13.5	0.10	1,066	6,507	13.7	0.05	
White									
3-74 years.....	1,065	10,309	13.4	0.04	6,367	73,098	13.4	0.03	
3-17 years.....	334	3,071	12.9	0.08	1,692	18,262	13.1	0.04	
18-44 years.....	355	4,641	13.5	0.06	2,155	31,244	13.4	0.04	
45-64 years.....	183	1,607	13.7	0.14	1,547	17,624	13.7	0.04	
65-74 years.....	193	990	13.7	0.11	973	5,967	13.8	0.05	
Black									
3-74 years.....	525	4,604	12.5	0.05	621	6,880	12.6	0.07	
3-17 years.....	237	1,888	12.3	0.06	190	1,856	12.4	0.11	
18-44 years.....	157	1,846	12.6	*0.12	217	3,252	12.6	0.12	
45-64 years.....	76	640	12.8	*0.13	135	1,332	12.9	*0.09	
65-74 years.....	55	230	12.8	*0.08	79	440	12.9	*0.18	

¹ Does not include sample weights for unknown poverty index.

² Includes data for races not shown as separate categories.

Table 6. Hematocrit levels of persons 3–74 years with age-adjusted mean and standard error of the age-adjusted mean, by poverty status, sex, race, and age: United States, 1976–80

Sex, race, and age	Poverty status							
	Poverty				Nonpoverty			
	Number of examined persons	Estimated population in thousands ¹	Age-adjusted mean	Standard error of the age-adjusted mean	Number of examined persons	Estimated population in thousands ¹	Age-adjusted mean	Standard error of the age-adjusted mean
MALE								
All races ²								
			Hematocrit in percent				Hematocrit in percent	
3–74 years.....	1,243	10,875	42.5	0.11	7,158	80,651	42.9	0.07
3–17 years.....	581	4,529	38.6	0.21	2,180	22,101	39.3	0.12
18–44 years.....	325	4,163	44.3	0.13	2,353	35,058	44.4	0.09
45–64 years.....	173	1,424	43.6	0.28	1,643	18,180	44.2	0.08
65–74 years.....	164	759	43.0	0.34	982	5,312	43.7	0.15
White								
3–74 years.....	820	7,347	42.9	0.13	6,375	71,712	43.0	0.07
3–17 years.....	345	2,741	39.0	0.23	1,906	19,167	39.4	0.12
18–44 years.....	233	2,976	44.5	0.15	2,081	31,168	44.5	0.09
45–64 years.....	126	1,080	43.8	0.28	1,498	16,524	44.3	0.09
65–74 years.....	116	551	43.8	0.50	890	4,853	43.8	0.15
Black								
3–74 years.....	379	3,043	41.2	0.32	641	6,931	41.4	0.15
3–17 years.....	212	1,583	37.8	0.11	219	2,272	38.4	0.34
18–44 years.....	77	940	43.7	*0.39	224	2,987	43.5	0.29
45–64 years.....	46	341	42.7	*0.97	124	1,325	42.8	*0.27
65–74 years.....	44	179	*40.8	*0.62	74	347	42.6	*0.38
FEMALE								
All races ²								
3–74 years.....	1,621	15,251	39.2	0.13	7,112	81,732	39.5	0.08
3–17 years.....	585	5,098	37.4	0.17	1,914	20,504	38.2	0.09
18–44 years.....	520	6,612	39.5	0.19	2,425	35,364	39.5	0.10
45–64 years.....	264	2,296	40.1	0.22	1,707	19,357	40.5	0.12
65–74 years.....	252	1,245	40.3	0.25	1,066	6,507	40.5	0.11
White								
3–74 years.....	1,065	10,309	39.6	0.12	6,367	73,098	39.6	0.08
3–17 years.....	334	3,071	37.8	0.22	1,692	18,262	38.3	0.10
18–44 years.....	355	4,641	40.0	0.15	2,155	31,244	39.6	0.09
45–64 years.....	183	1,607	40.7	0.28	1,547	17,624	40.6	0.12
65–74 years.....	193	990	40.7	0.31	973	5,967	40.6	0.11
Black								
3–74 years.....	525	4,604	37.9	0.20	621	6,880	38.0	0.17
3–17 years.....	237	1,888	36.8	0.18	190	1,856	37.3	0.23
18–44 years.....	157	1,846	38.1	*0.43	217	3,252	38.0	0.28
45–64 years.....	76	640	38.8	*0.41	135	1,332	39.1	*0.32
65–74 years.....	55	230	39.0	*0.26	79	440	39.0	*0.49

¹ Does not include sample weights for unknown poverty index.

² Includes data for races not shown as separate categories.

Table 7. Red blood cell count of males 3–74 years with mean, standard deviation, standard error of the mean, and selected percentiles, by race and age: United States, 1976–80

Race and age	Number of examined persons	Estimated population in thousands	Mean	Standard deviation	Standard error of the mean	Percentile								
						5th	10th	15th	25th	50th	75th	85th	90th	95th
All races ¹						Red blood cell count × 10 ¹² per liter								
3–74 years . . .	8,645	95,136	4.9	0.42	0.01	4.2	4.4	4.5	4.6	4.9	5.2	5.3	5.4	5.5
3–5 years	1,007	4,695	4.4	0.32	0.02	4.0	4.1	4.1	4.2	4.4	4.6	4.8	4.9	5.0
6–8 years	379	5,336	4.5	0.34	0.03	4.0	4.1	4.2	4.3	4.5	4.7	4.8	4.9	5.0
9–11 years	427	5,310	4.6	0.35	0.02	4.0	4.2	4.3	4.4	4.6	4.8	5.0	5.1	5.2
12–14 years	482	5,920	4.8	0.36	0.02	4.2	4.3	4.4	4.5	4.7	5.0	5.1	5.2	5.4
15–17 years	523	6,320	5.0	0.38	0.02	4.3	4.5	4.6	4.7	4.9	5.2	5.3	5.4	5.6
18–24 years	968	13,275	5.1	0.37	0.02	4.4	4.6	4.7	4.8	5.1	5.3	5.4	5.5	5.6
25–34 years	1,050	15,895	5.0	0.36	0.02	4.4	4.6	4.7	4.8	5.0	5.2	5.4	5.5	5.6
35–44 years	730	11,367	5.0	0.37	0.02	4.4	4.5	4.6	4.7	4.9	5.2	5.3	5.4	5.6
45–54 years	684	11,114	4.9	0.41	0.02	4.3	4.4	4.5	4.7	4.9	5.2	5.3	5.4	5.5
55–64 years	1,211	9,607	4.9	0.43	0.02	4.2	4.4	4.5	4.6	4.9	5.1	5.3	5.4	5.5
65–74 years	1,184	6,297	4.8	0.48	0.02	4.0	4.3	4.4	4.5	4.8	5.1	5.3	5.4	5.6
White														
3–74 years	7,381	81,889	4.9	0.41	0.01	4.2	4.4	4.5	4.6	4.9	5.2	5.3	5.4	5.5
3–5 years	801	3,789	4.5	0.32	0.02	4.0	4.1	4.1	4.2	4.4	4.6	4.8	4.9	5.0
6–8 years	318	4,357	4.5	0.33	0.03	4.0	4.1	4.2	4.3	4.5	4.7	4.8	4.9	5.0
9–11 years	349	4,411	4.6	0.34	0.02	4.1	4.2	4.3	4.4	4.6	4.8	5.0	5.1	5.2
12–14 years	398	4,864	4.8	0.34	0.02	4.3	4.3	4.4	4.5	4.7	5.0	5.1	5.2	5.4
15–17 years	433	5,269	5.0	0.36	0.02	4.4	4.5	4.6	4.7	5.0	5.2	5.3	5.4	5.6
18–24 years	829	11,442	5.1	0.35	0.02	4.5	4.6	4.7	4.8	5.1	5.3	5.4	5.5	5.6
25–34 years	891	13,864	5.0	0.34	0.02	4.5	4.6	4.7	4.8	5.0	5.2	5.4	5.4	5.6
35–44 years	640	9,808	5.0	0.36	0.02	4.4	4.5	4.6	4.7	4.9	5.2	5.3	5.4	5.6
45–54 years	612	9,865	4.9	0.39	0.02	4.3	4.5	4.5	4.7	4.9	5.2	5.3	5.4	5.5
55–64 years	1,075	8,642	4.9	0.43	0.02	4.2	4.4	4.5	4.7	4.9	5.2	5.3	5.4	5.5
65–74 years	1,035	5,576	4.8	0.46	0.02	4.0	4.3	4.4	4.5	4.8	5.1	5.3	5.4	5.5
Black														
3–74 years	1,064	10,583	4.8	0.49	0.02	4.0	4.2	4.3	4.4	4.8	5.1	5.3	5.4	5.6
3–5 years	172	718	4.4	*0.32	*0.03	3.9	4.0	4.1	4.2	4.3	4.6	4.7	4.8	5.0
6–8 years	48	787	4.5	*0.40	*0.08	*	*	4.1	4.2	4.4	4.7	4.8	*	*
9–11 years	70	767	4.5	*0.37	*0.05	*	4.0	4.1	4.3	4.5	4.8	4.9	4.9	*
12–14 years	70	851	4.7	*0.47	*0.07	*	4.1	4.2	4.3	4.6	4.9	5.2	5.3	*
15–17 years	76	867	4.8	*0.46	*0.05	*	4.3	4.3	4.5	4.8	5.1	5.4	5.4	*
18–24 years	118	1,533	5.0	*0.45	*0.05	4.2	4.4	4.5	4.7	5.0	5.3	5.4	5.5	5.7
25–34 years	133	1,546	4.9	0.46	0.03	4.1	4.4	4.5	4.6	4.9	5.2	5.3	5.5	5.6
35–44 years	69	1,112	4.9	*0.48	*0.06	*	4.4	4.4	4.6	4.9	5.1	5.4	5.6	*
45–54 years	61	1,044	4.8	*0.49	*0.08	*	4.2	4.3	4.5	4.7	5.1	5.2	5.4	*
55–64 years	124	801	4.7	*0.49	*0.05	3.8	4.1	4.3	4.4	4.8	5.0	5.2	5.3	5.5
65–74 years	123	555	4.7	0.62	0.06	3.8	4.1	4.2	4.4	4.7	5.1	5.4	5.5	5.7

¹Includes data for races not shown as separate categories.

Table 8. Red blood cell count of females 3-74 years with mean, standard deviation, standard error of the mean, and selected percentiles, by race and age: United States, 1976-80

Race and age	Number of examined persons	Estimated population in thousands	Mean	Standard deviation	Standard error of the mean	Percentile								
						5th	10th	15th	25th	50th	75th	85th	90th	95th
All races ¹						Red blood cell count X 10 ¹² per liter								
3-74 years	9,014	100,741	4.5	0.38	0.01	3.9	4.0	4.1	4.2	4.4	4.7	4.8	4.9	5.1
3-5 years	915	4,491	4.4	0.35	0.02	3.9	4.0	4.1	4.2	4.4	4.7	4.8	4.9	5.0
6-8 years	367	4,877	4.5	0.33	0.02	4.0	4.1	4.2	4.3	4.5	4.7	4.8	4.9	5.1
9-11 years	395	5,357	4.5	0.34	0.03	4.0	4.2	4.2	4.3	4.5	4.8	4.9	5.0	5.1
12-14 years	461	5,712	4.5	0.33	0.02	4.0	4.1	4.2	4.3	4.5	4.7	4.8	4.9	5.0
15-17 years	430	6,131	4.5	0.34	0.02	4.0	4.1	4.1	4.3	4.5	4.7	4.9	4.9	5.0
18-24 years	1,033	14,173	4.4	0.37	0.02	3.8	4.0	4.1	4.2	4.4	4.6	4.8	4.9	5.0
25-34 years	1,150	16,856	4.4	0.38	0.02	3.8	3.9	4.0	4.1	4.4	4.6	4.8	4.8	5.0
35-44 years	830	12,284	4.4	0.39	0.02	3.8	3.9	4.0	4.2	4.4	4.7	4.8	4.9	5.1
45-54 years	751	11,918	4.5	0.40	0.02	3.9	4.0	4.1	4.2	4.5	4.7	4.9	5.0	5.2
55-64 years	1,300	10,743	4.5	0.39	0.01	3.9	4.0	4.1	4.2	4.5	4.8	4.9	5.0	5.2
65-74 years	1,382	8,198	4.5	0.41	0.02	3.9	4.0	4.1	4.2	4.5	4.8	4.9	5.0	5.2
White														
3-74 years	7,658	86,352	4.5	0.37	0.01	3.9	4.0	4.1	4.2	4.5	4.7	4.8	4.9	5.1
3-5 years	734	3,666	4.4	0.35	0.02	3.9	4.0	4.1	4.2	4.4	4.7	4.8	4.9	5.0
6-8 years	290	4,014	4.5	0.32	0.02	4.0	4.1	4.1	4.3	4.5	4.7	4.8	4.9	5.0
9-11 years	327	4,482	4.6	0.30	0.02	4.1	4.2	4.3	4.4	4.6	4.8	4.9	5.0	5.1
12-14 years	370	4,746	4.5	0.32	0.02	4.0	4.1	4.2	4.3	4.5	4.7	4.8	4.9	5.0
15-17 years	356	5,147	4.5	0.34	0.02	4.0	4.1	4.2	4.3	4.5	4.8	4.9	4.9	5.0
18-24 years	869	11,919	4.4	0.36	0.02	3.9	4.0	4.1	4.2	4.4	4.6	4.8	4.9	5.0
25-34 years	986	14,494	4.4	0.36	0.02	3.8	3.9	4.0	4.2	4.4	4.6	4.8	4.8	5.0
35-44 years	715	10,584	4.4	0.37	0.02	3.9	4.0	4.1	4.2	4.4	4.7	4.8	4.9	5.0
45-54 years	640	10,369	4.5	0.39	0.02	3.9	4.0	4.1	4.2	4.5	4.8	4.9	5.0	5.2
55-64 years	1,151	9,601	4.5	0.39	0.02	3.9	4.0	4.1	4.3	4.5	4.8	4.9	5.0	5.2
65-74 years	1,220	7,329	4.5	0.41	0.02	3.9	4.0	4.1	4.3	4.5	4.8	4.9	5.0	5.2
Black														
3-74 years	1,192	12,107	4.4	0.43	0.02	3.7	3.9	4.0	4.1	4.3	4.6	4.8	4.9	5.1
3-5 years	162	703	4.4	*0.36	*0.05	3.8	4.0	4.1	4.2	4.4	4.6	4.8	4.9	5.1
6-8 years	69	729	4.5	*0.37	*0.05	*	4.1	4.2	4.2	4.4	4.6	4.9	5.1	*
9-11 years	62	811	4.4	*0.46	*0.09	*	3.9	4.0	4.1	4.3	4.7	4.9	5.1	*
12-14 years	84	846	4.4	*0.34	*0.03	*	4.0	4.0	4.2	4.4	4.6	4.7	4.8	*
15-17 years	68	871	4.4	*0.34	*0.04	*	3.9	4.0	4.2	4.3	4.6	4.8	4.8	*
18-24 years	138	1,873	4.3	*0.45	*0.05	3.7	3.7	3.9	4.0	4.3	4.6	4.7	4.9	5.2
25-34 years	139	1,953	4.3	*0.45	*0.04	3.6	3.8	3.9	4.0	4.3	4.5	4.6	4.8	4.9
35-44 years	100	1,415	4.4	*0.50	*0.04	3.6	3.7	3.8	4.0	4.4	4.7	4.8	5.0	5.1
45-54 years	95	1,215	4.4	*0.43	*0.06	*	3.9	4.0	4.1	4.4	4.7	4.9	5.0	*
55-64 years	131	959	4.4	*0.45	*0.04	3.8	3.9	4.0	4.1	4.4	4.7	5.0	5.1	5.2
65-74 years	144	733	4.4	0.42	0.05	3.8	4.0	4.0	4.1	4.4	4.7	4.8	4.9	5.2

¹Includes data for races not shown as separate categories

Table 9. White blood cell count of males 3–74 years with mean, standard deviation, standard error of the mean, and selected percentiles, by race and age: United States, 1976–80

Race and age	Number of examined persons	Estimated population in thousands	Mean	Standard deviation	Standard error of the mean	Percentile								
						5th	10th	15th	25th	50th	75th	85th	90th	95th
All races ¹						White blood cell count X 10 ⁹ per liter								
3–74 years . . .	8,651	95,136	7.3	2.03	0.05	4.5	5.0	5.3	5.8	7.0	8.4	9.3	9.8	11.0
3–5 years	1,006	4,695	7.6	2.24	0.09	4.8	5.2	5.6	6.0	7.2	8.6	9.6	10.4	11.9
6–8 years	378	5,336	7.5	1.95	0.14	4.8	5.1	5.4	6.0	7.2	8.7	9.6	10.5	11.0
9–11 years	427	5,310	7.0	1.80	0.10	4.4	4.8	5.2	5.6	6.8	8.0	8.8	9.4	10.5
12–14 years . . .	480	5,920	6.9	1.81	0.10	4.5	4.9	5.1	5.5	6.6	7.9	8.8	9.3	10.2
15–17 years . . .	524	6,320	7.2	1.95	0.11	4.4	5.0	5.4	5.8	7.0	8.5	9.4	9.7	10.8
18–24 years . . .	969	13,275	7.4	1.93	0.07	4.7	5.2	5.4	6.0	7.2	8.6	9.3	9.8	10.7
25–34 years . . .	1,052	15,895	7.1	2.08	0.08	4.4	4.9	5.1	5.6	6.8	8.3	9.1	9.6	10.8
35–44 years . . .	731	11,367	7.4	2.19	0.09	4.4	4.8	5.2	5.7	7.2	8.8	9.6	10.5	11.5
45–54 years . . .	686	11,114	7.6	2.08	0.09	4.7	5.2	5.6	6.1	7.4	8.7	9.5	10.6	11.6
55–64 years . . .	1,211	9,607	7.3	2.05	0.08	4.4	4.9	5.3	5.8	6.9	8.4	9.4	9.8	11.0
65–74 years . . .	1,187	6,297	7.1	1.94	0.10	4.4	4.9	5.2	5.8	6.9	8.2	9.0	9.5	10.6
White														
3–74 years	7,393	81,889	7.4	2.01	0.04	4.6	5.1	5.4	5.9	7.2	8.6	9.4	9.9	11.1
3–5 years	802	3,789	7.7	2.23	0.10	4.8	5.3	5.6	6.1	7.3	8.7	9.7	10.5	11.9
6–8 years	318	4,357	7.6	1.94	0.15	4.9	5.2	5.6	6.2	7.3	8.8	9.6	10.5	11.2
9–11 years	351	4,411	7.1	1.82	0.13	4.5	4.9	5.3	5.8	6.9	8.2	8.9	9.6	10.6
12–14 years . . .	397	4,864	7.0	1.82	0.11	4.6	5.0	5.2	5.6	6.8	7.9	8.9	9.4	10.4
15–17 years . . .	434	5,269	7.4	1.89	0.12	4.8	5.4	5.5	6.0	7.2	8.6	9.4	9.7	10.8
18–24 years . . .	830	11,442	7.5	1.90	0.06	4.8	5.3	5.5	6.1	7.3	8.7	9.3	9.8	10.7
25–34 years . . .	893	13,864	7.2	2.07	0.08	4.5	5.0	5.1	5.7	6.9	8.3	9.1	9.7	10.8
35–44 years . . .	641	9,808	7.6	2.16	0.10	4.6	5.0	5.3	6.0	7.3	8.9	9.7	10.7	11.5
45–54 years . . .	614	9,865	7.7	2.03	0.09	4.9	5.4	5.7	6.3	7.6	8.8	9.6	10.6	11.6
55–64 years . . .	1,075	8,642	7.4	2.04	0.09	4.5	5.0	5.4	6.0	7.1	8.5	9.5	9.9	11.1
65–74 years . . .	1,038	5,576	7.2	1.88	0.10	4.5	5.1	5.4	5.9	7.0	8.3	9.1	9.5	10.6
Black														
3–74 years	1,058	10,583	6.5	2.05	0.11	3.8	4.3	4.6	5.0	6.1	7.5	8.4	9.0	10.5
3–5 years	170	718	7.0	*2.24	*0.12	4.2	4.8	5.3	5.7	6.6	7.9	8.6	9.7	11.8
6–8 years	47	787	6.6	*1.84	*0.26	*	*	4.8	5.0	6.4	7.9	8.1	*	*
9–11 years	68	767	6.3	*1.64	*0.24	*	4.3	4.5	5.0	5.9	7.6	8.0	8.6	*
12–14 years . . .	69	851	6.0	*1.64	*0.16	*	4.2	4.7	5.1	5.7	6.5	7.4	8.5	*
15–17 years . . .	76	867	6.2	*1.99	*0.24	*	4.2	4.3	4.6	5.7	7.2	8.3	9.4	*
18–24 years . . .	118	1,533	6.7	*2.04	*0.20	4.1	4.6	5.0	5.3	6.4	7.8	8.7	9.3	10.8
25–34 years . . .	133	1,546	6.6	2.12	0.15	3.5	4.0	4.5	5.1	6.4	7.7	8.6	9.5	11.1
35–44 years . . .	69	1,112	6.3	*2.19	*0.24	*	3.8	4.3	4.7	5.6	8.0	8.7	8.9	*
45–54 years . . .	61	1,044	6.7	*2.20	*0.31	*	4.6	5.0	5.2	6.3	7.4	8.3	9.7	*
55–64 years . . .	124	801	6.4	*1.99	*0.22	3.4	4.2	4.5	5.2	6.1	7.3	8.6	9.0	9.5
65–74 years . . .	123	555	6.2	2.33	0.19	3.7	3.9	4.4	4.7	5.7	7.2	8.2	8.5	10.5

¹Includes data for races not shown as separate categories.

Table 10. White blood cell count of females 3–74 years with mean, standard deviation, standard error of the mean, and selected percentiles, by race and age: United States, 1976–80

Race and age	Number of examined persons	Estimated population in thousands	Mean	Standard deviation	Standard error of the mean	Percentile								
						5th	10th	15th	25th	50th	75th	85th	90th	95th
All races ¹						White blood cell count × 10 ⁹ per liter								
3–74 years . . .	9,023	100,741	7.2	2.11	0.04	4.4	4.9	5.2	5.8	6.9	8.3	9.2	9.7	11.1
3–5 years	916	4,491	7.9	2.28	0.10	4.8	5.3	5.6	6.3	7.6	9.1	10.1	10.8	12.1
6–8 years	367	4,877	7.6	2.35	0.13	4.7	5.1	5.4	6.0	7.4	8.8	9.4	10.5	11.1
9–11 years	397	5,357	7.1	1.74	0.11	4.5	5.0	5.3	5.8	7.0	8.1	8.9	9.4	10.5
12–14 years	461	5,712	7.1	2.05	0.09	4.5	5.0	5.2	5.6	6.8	8.2	9.2	9.7	11.3
15–17 years	432	6,131	7.7	2.05	0.10	5.0	5.4	5.7	6.1	7.4	8.7	9.4	10.3	11.8
18–24 years	1,033	14,173	7.5	2.00	0.07	4.8	5.2	5.5	6.1	7.2	8.5	9.4	9.8	11.0
25–34 years	1,149	16,856	7.2	2.10	0.07	4.3	4.9	5.3	5.7	6.9	8.4	9.3	9.8	11.4
35–44 years	832	12,284	7.3	2.10	0.08	4.4	4.9	5.2	5.7	7.0	8.3	9.4	10.4	11.4
45–54 years	751	11,918	7.1	2.10	0.09	4.3	4.8	5.1	5.6	6.8	8.2	8.9	9.5	11.2
55–64 years	1,300	10,743	6.8	1.93	0.05	4.2	4.6	5.0	5.4	6.6	7.8	8.6	9.2	10.4
65–74 years	1,385	8,198	6.8	2.39	0.08	4.3	4.7	5.0	5.5	6.5	7.8	8.5	8.9	9.9
White														
3–74 years	7,670	86,352	7.3	2.12	0.04	4.5	5.0	5.3	5.8	7.0	8.4	9.2	9.8	11.2
3–5 years	736	3,666	8.0	2.24	0.11	4.9	5.3	5.7	6.5	7.7	9.2	10.3	10.9	12.1
6–8 years	290	4,014	7.7	2.40	0.15	4.8	5.2	5.6	6.2	7.4	8.8	9.4	10.5	11.5
9–11 years	329	4,482	7.2	1.72	0.13	4.8	5.1	5.4	5.9	7.1	8.2	8.9	9.4	10.6
12–14 years	370	4,746	7.3	2.07	0.10	4.8	5.1	5.3	5.9	7.0	8.4	9.2	9.8	11.4
15–17 years	358	5,147	7.9	2.01	0.10	5.2	5.6	5.8	6.4	7.6	8.9	9.5	10.5	11.8
18–24 years	869	11,919	7.6	1.99	0.07	4.9	5.4	5.6	6.2	7.3	8.7	9.5	9.9	11.1
25–34 years	986	14,494	7.3	2.11	0.08	4.4	5.0	5.3	5.8	7.0	8.5	9.3	9.8	11.4
35–44 years	717	10,584	7.3	2.10	0.08	4.5	5.0	5.2	5.8	7.1	8.5	9.5	10.5	11.4
45–54 years	639	10,369	7.1	2.12	0.10	4.4	4.8	5.1	5.6	6.8	8.3	9.0	9.6	11.2
55–64 years	1,152	9,601	6.8	1.95	0.05	4.3	4.7	5.0	5.4	6.6	7.9	8.6	9.2	10.5
65–74 years	1,224	7,329	6.9	2.44	0.08	4.4	4.8	5.2	5.6	6.6	7.9	8.6	9.0	10.4
Black														
3–74 years	1,189	12,107	6.6	1.96	0.10	3.9	4.4	4.7	5.2	6.3	7.6	8.4	9.2	10.3
3–5 years	161	703	7.1	*2.33	*0.18	4.4	4.8	5.1	5.6	6.4	8.0	9.0	10.0	11.3
6–8 years	69	729	6.8	*1.91	*0.27	*	4.7	5.0	5.3	6.2	8.0	9.2	9.6	*
9–11 years	62	811	6.6	*1.80	*0.26	*	4.3	4.3	5.5	6.6	7.5	8.8	9.3	*
12–14 years	84	846	6.1	*1.69	*0.20	*	4.4	4.6	4.9	6.0	6.9	8.0	8.4	*
15–17 years	68	871	6.5	*1.98	*0.33	*	4.2	4.8	5.2	5.9	7.9	8.7	9.3	*
18–24 years	138	1,873	6.9	*1.96	*0.23	4.5	4.6	4.9	5.5	6.6	8.0	8.9	9.5	10.4
25–34 years	138	1,953	6.7	*2.09	*0.22	4.1	4.4	4.8	5.3	6.4	7.5	8.6	9.6	11.6
35–44 years	100	1,415	6.5	*2.11	*0.19	3.6	4.1	4.4	5.0	6.2	7.5	8.2	9.3	10.7
45–54 years	96	1,215	6.3	*1.69	*0.18	*	4.1	4.8	5.3	6.2	7.2	7.9	8.1	*
55–64 years	130	959	6.6	*1.89	*0.21	3.8	4.3	4.7	5.0	6.5	7.6	8.6	9.2	9.7
65–74 years	143	733	5.8	1.67	0.19	3.9	3.9	4.0	4.7	5.5	6.8	7.4	8.1	8.7

¹Includes data for races not shown as separate categories.

Table 11. Red blood cell count of persons 3-74 years with age-adjusted mean and standard error of the age-adjusted mean, by poverty status, sex, race, and age: United States, 1976-80

Sex, race, and age	Poverty status								
	Poverty				Nonpoverty				
	Number of examined persons	Estimated population in thousands ¹	Age-adjusted mean	Standard error of the age-adjusted mean	Number of examined persons	Estimated population in thousands ¹	Age-adjusted mean	Standard error of the age-adjusted mean	
MALE		Red blood cell count X 10 ¹² per liter				Red blood cell count X 10 ¹² per liter			
All races ²									
3-74 years.....	1,233	10,875	4.8	0.02	7,105	80,651	4.9	0.01	
3-17 years.....	575	4,529	4.6	0.02	2,158	22,101	4.7	0.02	
18-44 years.....	323	4,163	5.0	0.03	2,335	35,058	5.0	0.02	
45-64 years.....	172	1,424	4.8	0.04	1,634	18,180	4.9	0.01	
65-74 years.....	163	759	4.8	0.05	978	5,312	4.8	0.02	
White									
3-74 years.....	817	7,347	4.9	0.02	6,333	71,712	4.9	0.01	
3-17 years.....	343	2,741	4.7	0.03	1,893	19,167	4.7	0.02	
18-44 years.....	232	2,976	5.0	0.03	2,065	31,168	5.0	0.01	
45-64 years.....	126	1,080	4.8	0.04	1,489	16,524	4.9	0.01	
65-74 years.....	116	551	4.8	0.05	886	4,853	4.8	0.02	
Black									
3-74 years.....	373	3,043	4.8	0.04	631	6,931	4.8	0.02	
3-17 years.....	208	1,583	4.6	0.03	211	2,272	4.6	0.05	
18-44 years.....	77	940	4.9	*0.08	222	2,987	4.9	0.04	
45-64 years.....	45	341	4.7	*0.14	124	1,325	4.8	*0.05	
65-74 years.....	43	179	*4.6	*0.09	74	347	4.8	*0.07	
FEMALE									
All races ²									
3-74 years.....	1,609	15,251	4.4	0.02	7,052	81,732	4.4	0.01	
3-17 years.....	580	5,098	4.5	0.02	1,897	20,504	4.5	0.02	
18-44 years.....	516	6,612	4.4	0.02	2,409	35,364	4.4	0.01	
45-64 years.....	262	2,296	4.5	0.03	1,694	19,357	4.5	0.02	
65-74 years.....	251	1,245	4.5	0.03	1,052	6,507	4.5	0.02	
White									
3-74 years.....	1,061	10,309	4.5	0.02	6,325	73,098	4.5	0.01	
3-17 years.....	332	3,071	4.5	0.03	1,680	18,262	4.5	0.01	
18-44 years.....	354	4,641	4.5	0.03	2,144	31,244	4.4	0.01	
45-64 years.....	183	1,607	4.6	0.04	1,537	17,624	4.5	0.02	
65-74 years.....	192	990	4.5	0.04	964	5,967	4.5	0.02	
Black									
3-74 years.....	517	4,604	4.4	0.02	605	6,880	4.4	0.03	
3-17 years.....	234	1,888	4.4	0.03	186	1,856	4.4	0.04	
18-44 years.....	154	1,846	4.4	*0.04	212	3,252	4.3	0.04	
45-64 years.....	74	640	4.4	*0.07	132	1,332	4.4	*0.04	
65-74 years.....	55	230	4.5	*0.04	75	440	4.4	*0.08	

¹ Does not include sample weights for unknown poverty index.

² Includes data for races not shown as separate categories.

Table 12. White blood cell count of persons 3-74 years with age-adjusted mean and standard error of the age-adjusted mean, by poverty status, sex, race, and age: United States, 1976-80

Sex, race, and age	Poverty status							
	Poverty				Nonpoverty			
	Number of examined persons	Estimated population in thousands ¹	Age-adjusted mean	Standard error of the age-adjusted mean	Number of examined persons	Estimated population in thousands ¹	Age-adjusted mean	Standard error of the age-adjusted mean
MALE				White blood cell count				
All races ²				× 10 ⁹ per liter				
3-74 years.....	1,230	10,875	7.4	0.10	7,116	80,651	7.3	0.05
3-17 years.....	572	4,529	7.1	0.09	2,159	22,101	7.2	0.07
18-44 years.....	323	4,163	7.8	0.19	2,339	35,058	7.2	0.06
45-64 years.....	172	1,424	7.5	0.18	1,636	18,180	7.4	0.08
65-74 years.....	163	759	7.2	0.16	982	5,312	7.1	0.10
White								
3-74 years.....	818	7,347	7.8	0.09	6,345	71,712	7.4	0.04
3-17 years.....	344	2,741	7.4	0.11	1,895	19,167	7.3	0.07
18-44 years.....	232	2,976	8.2	0.14	2,069	31,168	7.3	0.06
45-64 years.....	126	1,080	7.8	0.21	1,491	16,524	7.5	0.07
65-74 years.....	116	551	7.4	0.18	890	4,853	7.2	0.10
Black								
3-74 years.....	369	3,043	6.6	0.18	630	6,931	6.4	0.12
3-17 years.....	204	1,583	6.4	0.16	210	2,272	6.3	0.13
18-44 years.....	77	940	6.8	*0.36	222	2,987	6.5	0.13
45-64 years.....	45	341	6.2	*0.21	124	1,325	6.6	*0.29
65-74 years.....	43	179	*6.4	*0.33	74	347	6.1	*0.28
FEMALE								
All races ²								
3-74 years.....	1,610	15,251	7.3	0.07	7,062	81,732	7.2	0.04
3-17 years.....	580	5,098	7.5	0.15	1,902	20,504	7.4	0.06
18-44 years.....	515	6,612	7.4	0.10	2,412	35,364	7.3	0.06
45-64 years.....	263	2,296	7.1	0.14	1,693	19,357	6.9	0.06
65-74 years.....	252	1,245	6.8	0.11	1,055	6,507	6.8	0.09
White								
3-74 years.....	1,063	10,309	7.5	0.06	6,336	73,098	7.3	0.04
3-17 years.....	333	3,071	8.0	0.18	1,685	18,262	7.5	0.06
18-44 years.....	354	4,641	7.6	0.10	2,146	31,244	7.4	0.06
45-64 years.....	183	1,607	7.3	0.21	1,537	17,624	7.0	0.07
65-74 years.....	193	990	7.0	0.12	968	5,967	6.9	0.08
Black								
3-74 years.....	516	4,604	6.7	0.11	604	6,880	6.5	0.13
3-17 years.....	233	1,888	6.5	0.16	186	1,856	6.6	0.22
18-44 years.....	153	1,846	6.9	*0.21	213	3,252	6.6	0.17
45-64 years.....	75	640	6.6	*0.23	131	1,332	6.4	*0.18
65-74 years.....	55	230	6.0	*0.27	74	440	5.6	*0.27

¹Does not include sample weights for unknown poverty index.

²Includes data for races not shown as separate categories.

Table 13. Mean corpuscular volume of males 3–74 years with mean, standard deviation, standard error of the mean, and selected percentiles, by race and age: United States, 1976–80

Race and age	Number of examined persons	Estimated population in thousands	Mean	Standard deviation	Standard error of the mean	Percentile								
						5th	10th	15th	25th	50th	75th	85th	90th	95th
All races ¹														
Mean corpuscular volume in femtoliters														
3–74 years	8,630	95,136	87.9	5.91	0.19	78.6	80.6	82.1	84.1	87.8	91.5	93.6	95.0	97.5
3–5 years	1,007	4,695	80.9	4.69	0.28	73.4	75.4	76.7	78.1	80.9	83.7	85.4	86.2	88.7
6–8 years	379	5,336	82.5	5.00	0.38	75.3	77.1	78.0	79.1	82.0	85.5	87.5	89.4	90.8
9–11 years	426	5,310	82.6	4.64	0.30	76.0	77.5	78.0	79.8	82.7	85.1	87.1	87.9	90.7
12–14 years	482	5,920	84.4	4.62	0.31	77.6	79.0	80.0	81.4	84.3	87.4	88.7	89.8	92.4
15–17 years	522	6,320	86.7	4.70	0.30	79.5	81.1	82.4	84.0	86.6	89.6	91.5	92.9	94.1
18–24 years	967	13,275	88.2	4.98	0.23	81.1	82.7	83.7	85.2	88.1	91.0	92.9	94.1	96.0
25–34 years	1,047	15,895	88.9	5.13	0.26	80.7	83.1	84.2	85.7	88.7	91.9	93.8	95.0	97.2
35–44 years	729	11,367	89.2	5.02	0.29	81.7	83.4	84.3	86.0	89.2	92.2	93.9	95.0	97.9
45–54 years	682	11,114	90.0	5.51	0.26	81.2	83.3	84.5	86.6	89.9	93.1	95.5	97.4	99.6
55–64 years	1,207	9,607	90.7	5.58	0.26	82.5	84.1	85.1	87.0	90.4	94.2	96.2	97.6	99.2
65–74 years	1,182	6,297	90.9	6.27	0.30	82.0	84.3	85.5	87.3	90.6	94.2	96.5	98.1	101.4
White														
3–74 years	7,367	81,889	88.0	5.76	0.20	79.0	80.9	82.4	84.3	87.9	91.6	93.6	95.0	97.6
3–5 years	801	3,789	81.0	4.67	0.34	73.5	75.6	76.8	78.2	81.0	83.7	85.5	86.2	88.6
6–8 years	318	4,357	82.6	4.87	0.38	75.5	77.1	78.0	79.6	82.0	85.6	87.6	89.8	90.8
9–11 years	348	4,411	82.8	4.31	0.31	76.3	77.6	78.6	80.0	82.8	85.1	87.1	88.0	90.7
12–14 years	398	4,864	84.5	4.50	0.33	78.0	79.4	80.1	81.5	84.4	87.3	88.6	90.1	92.8
15–17 years	432	5,269	86.8	4.29	0.27	79.6	81.6	82.5	84.1	86.9	89.6	91.1	92.8	93.8
18–24 years	828	11,442	88.2	4.93	0.24	81.2	82.7	83.7	85.1	88.0	91.0	93.0	94.1	96.0
25–34 years	889	13,864	88.8	4.90	0.27	81.3	83.2	84.2	85.6	88.6	91.6	93.6	94.8	97.1
35–44 years	639	9,808	89.3	5.02	0.32	81.7	83.4	84.5	86.1	89.2	92.1	93.9	95.0	98.2
45–54 years	610	9,865	90.1	5.31	0.29	81.8	83.6	84.6	86.6	89.9	93.2	95.5	97.4	99.5
55–64 years	1,071	8,642	90.7	5.48	0.27	82.8	84.1	85.3	87.1	90.5	94.2	96.1	97.6	99.1
65–74 years	1,033	5,576	91.1	6.12	0.32	82.6	84.6	85.7	87.5	90.6	94.3	96.6	98.2	101.4
Black														
3–74 years	1,063	10,583	87.0	6.90	0.24	76.2	78.6	80.5	83.1	87.1	91.4	93.8	95.0	97.7
3–5 years	172	718	80.6	*4.96	*0.51	72.4	74.9	76.1	77.9	80.5	83.9	85.1	87.3	89.2
6–8 years	48	787	82.2	*5.76	*0.97	*	*	77.6	78.2	82.4	85.0	87.1	*	*
9–11 years	70	767	81.7	*5.99	*0.60	*	73.8	77.7	78.3	82.3	85.0	86.8	87.6	*
12–14 years	70	851	83.8	*5.45	*0.70	*	77.7	78.5	80.6	84.3	87.4	89.0	89.7	*
15–17 years	76	867	86.6	*6.60	*0.84	*	80.3	81.6	83.4	86.0	90.1	92.2	94.0	*
18–24 years	118	1,533	88.4	*5.51	*0.51	79.6	82.6	83.7	85.4	88.3	91.2	93.1	94.3	97.7
25–34 years	132	1,546	89.6	6.59	0.45	79.1	83.1	84.0	86.4	90.1	93.2	95.0	97.1	100.1
35–44 years	69	1,112	88.6	*5.49	*0.48	*	82.6	83.2	84.2	88.8	93.5	95.0	95.6	*
45–54 years	61	1,044	89.3	*7.36	*0.98	*	80.7	83.2	86.1	89.0	91.8	94.5	96.7	*
55–64 years	124	801	90.2	*6.81	*0.70	79.1	81.7	84.0	86.1	89.9	94.1	95.6	97.7	103.7
65–74 years	123	555	88.8	6.86	0.88	77.4	78.6	81.2	84.5	89.2	93.5	95.5	96.6	98.3

¹Includes data for races not shown as separate categories.

Table 14. Mean corpuscular volume of females 3–74 years with mean, standard deviation, standard error of the mean, and selected percentiles, by race and age: United States, 1976–80

Race and age	Number of examined persons	Estimated population in thousands	Mean	Standard deviation	Standard error of the mean	Percentile								
						5th	10th	15th	25th	50th	75th	85th	90th	95th
All races ¹														
Mean corpuscular volume in femtoliters														
3–74 years	9,001	100,741	88.7	6.13	0.22	78.9	81.1	82.6	84.8	88.8	92.6	94.6	96.1	98.3
3–5 years	915	4,491	81.5	4.98	0.27	74.1	75.7	77.0	78.6	81.3	84.4	86.2	87.6	89.5
6–8 years	367	4,877	82.7	4.76	0.31	76.0	77.0	78.6	79.8	82.6	85.4	87.1	88.0	89.1
9–11 years	395	5,357	84.2	5.01	0.41	77.4	78.5	79.3	80.9	83.9	87.0	88.7	90.2	93.0
12–14 years	460	5,712	86.4	4.87	0.37	78.6	80.2	81.7	83.1	86.2	89.5	91.7	92.6	93.8
15–17 years	430	6,131	87.5	5.22	0.31	79.5	81.6	82.8	84.4	87.4	90.6	92.5	94.1	96.0
18–24 years	1,033	14,173	89.4	5.58	0.28	81.1	82.8	84.0	85.9	89.5	93.0	94.6	95.9	97.8
25–34 years	1,147	16,856	90.2	5.68	0.31	81.1	83.3	84.9	86.8	90.0	93.7	95.6	96.7	99.2
35–44 years	830	12,284	90.0	5.96	0.30	79.5	83.1	84.3	86.6	90.2	93.6	95.4	96.8	99.1
45–54 years	750	11,918	90.1	6.07	0.30	81.0	83.5	84.8	86.6	90.2	94.0	95.8	97.1	99.5
55–64 years	1,295	10,743	90.1	5.66	0.35	81.5	83.3	84.5	86.7	90.1	93.6	95.5	96.6	98.9
65–74 years	1,379	8,198	90.4	5.86	0.28	81.9	83.7	84.9	86.7	90.1	93.7	96.0	97.4	99.5
White														
3–74 years	7,647	86,352	88.9	5.92	0.22	79.5	81.6	83.1	85.1	89.0	92.6	94.6	96.0	98.2
3–5 years	734	3,666	81.5	4.88	0.28	74.3	76.0	77.2	78.6	81.2	84.3	86.1	87.5	89.7
6–8 years	290	4,014	82.8	4.68	0.33	76.5	77.7	78.9	79.8	82.6	85.2	87.1	88.0	89.1
9–11 years	327	4,482	84.1	4.81	0.42	77.5	78.6	79.3	81.0	83.9	86.7	88.1	89.5	91.7
12–14 years	370	4,746	86.5	4.50	0.41	79.6	81.0	82.1	83.5	86.2	89.5	91.4	92.5	93.6
15–17 years	356	5,147	87.7	5.10	0.34	80.2	82.1	83.2	84.6	87.5	90.6	92.4	94.0	95.7
18–24 years	869	11,919	89.6	5.13	0.29	81.7	83.3	84.4	86.2	89.6	93.0	94.5	95.6	97.5
25–34 years	983	14,494	90.3	5.50	0.31	81.4	83.8	85.1	87.1	90.2	93.8	95.6	96.6	99.1
35–44 years	715	10,584	90.2	5.55	0.28	81.1	83.6	85.0	87.0	90.5	93.7	95.3	96.8	99.0
45–54 years	639	10,369	90.3	5.80	0.29	81.6	83.7	85.1	87.0	90.3	94.0	95.7	97.0	99.1
55–64 years	1,146	9,601	90.3	5.44	0.35	82.3	83.8	84.9	87.0	90.2	93.6	95.6	96.6	98.9
65–74 years	1,218	7,329	90.6	5.89	0.29	82.2	83.8	85.1	86.9	90.3	93.9	96.1	97.5	99.8
Black														
3–74 years	1,190	12,107	87.4	7.17	0.38	75.5	78.6	80.2	82.8	87.4	92.3	94.5	96.5	98.7
3–5 years	162	703	81.4	*5.44	*0.64	73.0	74.5	76.4	78.4	81.6	85.5	87.1	88.0	89.4
6–8 years	69	729	82.2	*5.31	*0.73	*	74.2	76.4	79.5	82.6	86.5	87.1	87.9	*
9–11 years	62	811	85.0	*6.10	*1.11	*	77.4	78.7	80.0	84.3	90.6	93.0	93.7	*
12–14 years	83	846	85.9	*6.53	*0.56	*	78.4	79.7	81.2	86.1	90.5	92.9	93.4	*
15–17 years	68	871	86.8	*5.94	*0.79	*	79.4	79.6	81.7	86.7	91.4	93.1	94.5	*
18–24 years	138	1,873	87.8	*7.46	*0.74	75.6	79.2	81.3	83.2	88.2	93.1	96.0	97.0	98.8
25–34 years	139	1,953	89.7	*6.91	*0.54	79.9	81.6	83.7	85.1	89.3	94.1	96.8	97.9	100.7
35–44 years	100	1,415	88.3	*7.94	*0.58	74.2	77.0	79.2	84.2	89.2	92.9	96.1	97.9	100.9
45–54 years	95	1,215	88.5	*7.21	*1.03	*	79.8	83.3	84.3	88.3	93.1	94.9	98.3	*
55–64 years	131	959	88.8	*7.11	*0.90	77.1	79.5	81.0	83.1	89.6	94.0	95.8	97.5	100.3
65–74 years	143	733	88.6	5.62	0.86	79.7	81.6	83.4	85.2	88.7	92.0	95.1	96.4	97.8

¹Includes data for races not shown as separate categories.

Table 15. Mean corpuscular hemoglobin of males 3–74 years with mean, standard deviation, standard error of the mean, and selected percentiles, by race and age: United States, 1976–80

Race and age	Number of examined persons	Estimated population in thousands	Mean	Standard deviation	Standard error of the mean	Percentile								
						5th	10th	15th	25th	50th	75th	85th	90th	95th
All races¹						Mean corpuscular hemoglobin in picograms								
3–74 years	8,408	95,136	30.1	2.06	0.06	26.9	27.6	28.2	28.9	30.2	31.4	32.1	32.5	33.3
3–5 years	972	4,695	27.8	1.69	0.08	25.0	25.8	26.2	26.8	27.9	28.8	29.4	29.8	30.5
6–8 years	366	5,336	28.4	1.70	0.13	25.8	26.4	26.8	27.3	28.4	29.3	29.8	30.5	31.1
9–11 years	413	5,310	28.4	1.65	0.11	25.7	26.7	26.9	27.4	28.3	29.4	30.0	30.2	31.0
12–14 years . . .	466	5,920	28.9	1.63	0.12	26.3	27.0	27.6	28.1	28.9	30.0	30.5	30.8	31.2
15–17 years . . .	504	6,320	29.7	1.68	0.10	27.2	27.6	28.1	28.7	29.9	30.9	31.3	31.6	32.0
18–24 years . . .	947	13,275	30.4	1.78	0.08	27.8	28.4	28.8	29.4	30.4	31.4	32.0	32.4	33.1
25–34 years . . .	1,023	15,895	30.5	1.76	0.09	27.8	28.6	29.0	29.5	30.4	31.6	32.2	32.6	33.3
35–44 years . . .	717	11,367	30.6	1.83	0.10	27.9	28.5	28.9	29.6	30.6	31.7	32.3	32.7	33.5
45–54 years . . .	664	11,114	30.8	2.03	0.10	27.8	28.5	29.0	29.7	30.8	32.1	32.6	33.1	34.0
55–64 years . . .	1,176	9,607	30.9	1.97	0.09	27.9	28.6	29.1	29.8	31.0	32.1	32.8	33.1	33.8
65–74 years . . .	1,160	6,297	30.8	2.21	0.09	27.4	28.4	28.9	29.7	30.9	32.0	32.6	33.3	34.1
White														
3–74 years	7,173	81,889	30.3	1.95	0.07	27.2	27.9	28.4	29.1	30.3	31.5	32.1	32.6	33.3
3–5 years	775	3,789	27.9	1.65	0.09	25.2	25.9	26.4	27.0	27.9	28.9	29.4	30.0	30.6
6–8 years	307	4,357	28.5	1.64	0.13	26.1	26.5	26.9	27.4	28.4	29.3	29.9	30.5	31.2
9–11 years	337	4,411	28.5	1.47	0.11	26.4	26.9	27.1	27.5	28.4	29.5	30.0	30.3	31.2
12–14 years . . .	383	4,864	29.1	1.45	0.12	26.6	27.2	27.7	28.2	29.0	30.1	30.5	30.8	31.2
15–17 years . . .	416	5,269	29.9	1.41	0.10	27.5	28.0	28.4	29.0	30.0	30.9	31.3	31.7	32.0
18–24 years . . .	813	11,442	30.5	1.72	0.08	28.0	28.6	29.0	29.5	30.4	31.5	32.0	32.5	33.1
25–34 years . . .	868	13,864	30.6	1.65	0.10	28.1	28.7	29.1	29.6	30.5	31.6	32.3	32.7	33.3
35–44 years . . .	628	9,808	30.7	1.78	0.10	28.2	28.7	29.1	29.6	30.7	31.7	32.3	32.8	33.7
45–54 years . . .	592	9,865	30.9	1.87	0.11	28.0	28.6	29.1	29.8	30.9	32.1	32.7	33.1	34.0
55–64 years . . .	1,042	8,642	31.0	1.87	0.09	28.2	29.0	29.3	29.9	31.0	32.2	32.8	33.1	33.8
65–74 years . . .	1,012	5,576	30.9	2.10	0.10	27.8	28.7	29.2	29.8	30.9	32.1	32.7	33.3	34.1
Black														
3–74 years	1,041	10,583	29.1	2.50	0.10	25.2	26.2	26.8	27.7	29.2	30.6	31.4	31.9	32.8
3–5 years	167	718	27.3	*1.86	*0.15	23.8	24.8	25.5	26.0	27.6	28.6	29.0	29.3	29.9
6–8 years	47	787	27.7	*1.99	*0.35	*	*	25.8	26.5	28.0	28.9	29.5	*	*
9–11 years	68	767	27.5	*2.28	*0.28	*	25.0	25.4	26.5	27.8	28.7	29.4	29.9	*
12–14 years . . .	69	851	28.2	*2.30	*0.26	*	25.5	26.8	27.5	28.5	29.6	29.8	30.4	*
15–17 years . . .	74	867	28.6	*2.53	*0.36	*	26.4	27.0	27.4	28.6	29.8	31.0	31.4	*
18–24 years . . .	113	1,533	29.6	*2.14	*0.18	26.0	26.9	27.8	28.4	29.8	31.0	31.4	31.8	32.7
25–34 years . . .	129	1,546	29.9	2.23	0.14	26.4	27.4	27.8	28.9	30.1	31.1	31.8	32.6	33.2
35–44 years . . .	69	1,112	29.7	*2.09	*0.22	*	27.2	27.5	28.0	30.1	31.4	31.6	32.0	*
45–54 years . . .	61	1,044	29.7	*2.96	*0.41	*	26.1	26.9	28.6	30.1	30.8	31.9	32.3	*
55–64 years . . .	122	801	29.9	*2.67	*0.28	26.5	26.7	27.4	28.3	29.8	31.6	32.5	33.7	34.7
65–74 years . . .	122	855	29.4	2.51	0.33	25.4	26.4	26.9	27.5	29.3	31.0	31.8	32.4	33.7

¹Includes data for races not shown as separate categories.

Table 16. Mean corpuscular hemoglobin of females 3-74 years with mean, standard deviation, standard error of the mean, and selected percentiles, by race and age: United States, 1976-80

Race and age	Number of examined persons	Estimated population in thousands	Mean	Standard deviation	Standard error of the mean	Percentile								
						5th	10th	15th	25th	50th	75th	85th	90th	95th
All races ¹														
Mean corpuscular hemoglobin in picograms														
3-74 years	8,783	100,741	30.0	2.12	0.06	26.6	27.5	28.1	28.8	30.1	31.3	32.0	32.4	33.2
3-5 years	892	4,491	27.9	1.73	0.09	25.2	25.9	26.4	26.9	27.9	28.9	29.4	29.9	30.6
6-8 years	360	4,877	28.3	1.63	0.11	25.6	26.5	26.9	27.5	28.4	29.3	29.8	30.1	30.7
9-11 years	379	5,357	28.8	1.67	0.12	26.2	26.9	27.2	27.9	28.8	29.8	30.3	30.6	31.3
12-14 years	445	5,712	29.3	1.65	0.10	26.6	27.1	27.6	28.4	29.3	30.4	30.9	31.2	31.8
15-17 years	421	6,131	29.7	1.91	0.13	26.6	27.5	28.0	28.7	29.8	30.8	31.4	31.9	32.5
18-24 years	1,005	14,173	30.2	2.02	0.08	27.0	27.9	28.5	29.1	30.3	31.4	32.0	32.4	33.2
25-34 years	1,113	16,856	30.4	1.97	0.09	27.3	28.0	28.5	29.3	30.5	31.7	32.2	32.8	33.4
35-44 years	811	12,284	30.3	2.23	0.10	26.4	27.7	28.4	29.3	30.5	31.7	32.3	32.7	33.3
45-54 years	735	11,918	30.4	2.24	0.10	27.0	28.1	28.6	29.3	30.5	31.6	32.2	32.7	33.7
55-64 years	1,273	10,743	30.4	1.93	0.08	27.1	28.2	28.7	29.4	30.5	31.5	32.2	32.7	33.3
65-74 years	1,349	8,198	30.5	2.14	0.08	27.4	28.2	28.6	29.3	30.5	31.7	32.5	32.9	33.6
White														
3-74 years	7,455	86,352	30.1	1.98	0.06	27.0	27.8	28.3	29.0	30.2	31.4	32.0	32.5	33.2
3-5 years	715	3,666	28.0	1.60	0.09	25.8	26.3	26.6	27.1	28.0	28.9	29.5	30.0	30.7
6-8 years	285	4,014	28.5	1.51	0.11	26.2	26.8	27.0	27.6	28.4	29.5	29.8	30.1	30.8
9-11 years	312	4,482	28.9	1.57	0.14	26.7	27.1	27.4	28.0	28.8	29.7	30.2	30.5	31.3
12-14 years	358	4,746	29.4	1.48	0.12	26.9	27.5	28.0	28.6	29.4	30.4	30.9	31.1	31.8
15-17 years	350	5,147	29.8	1.79	0.13	27.0	27.8	28.2	28.8	29.8	30.8	31.5	32.1	32.6
18-24 years	844	11,919	30.4	1.75	0.08	27.8	28.3	28.8	29.3	30.3	31.4	32.0	32.5	33.2
25-34 years	953	14,494	30.5	1.88	0.09	27.5	28.4	28.7	29.5	30.6	31.7	32.2	32.8	33.4
35-44 years	698	10,584	30.5	2.02	0.09	27.0	28.2	28.9	29.5	30.7	31.8	32.3	32.7	33.3
45-54 years	625	10,365	30.5	2.11	0.10	27.4	28.3	28.8	29.5	30.6	31.7	32.2	32.8	33.7
55-64 years	1,125	9,601	30.5	1.78	0.08	27.7	28.4	28.9	29.5	30.6	31.6	32.2	32.7	33.3
65-74 years	1,190	7,329	30.6	2.10	0.09	27.8	28.4	28.8	29.4	30.5	31.8	32.6	33.0	33.8
Black														
3-74 years	1,168	12,107	28.9	2.59	0.11	24.5	25.7	26.4	27.3	29.0	30.7	31.6	32.1	32.9
3-5 years	158	703	27.2	*1.99	*0.22	24.3	24.7	25.4	25.8	27.6	28.4	29.0	29.3	30.4
6-8 years	67	729	27.5	*1.90	*0.24	*	24.9	25.4	26.7	27.7	28.7	29.4	29.5	*
9-11 years	61	811	28.4	*2.16	*0.41	*	25.9	26.1	26.9	28.4	30.1	30.9	31.0	*
12-14 years	81	846	28.5	*2.31	*0.19	*	25.4	26.3	26.8	28.4	30.6	31.0	31.2	*
15-17 years	65	871	28.6	*2.30	*0.27	*	26.0	26.6	27.1	29.1	30.4	31.0	31.1	*
18-24 years	136	1,873	29.0	*2.92	*0.32	23.4	25.1	26.4	27.4	29.3	30.8	31.9	32.3	32.9
25-34 years	137	1,953	29.6	*2.40	*0.17	25.9	26.7	27.4	28.1	29.8	31.2	32.0	32.6	33.9
35-44 years	98	1,415	29.0	*2.94	*0.21	*	25.2	25.5	27.4	29.3	30.9	32.0	33.1	*
45-54 years	94	1,215	29.1	*2.63	*0.35	*	26.1	27.0	27.8	29.2	31.0	32.0	32.6	*
55-64 years	130	959	29.5	*2.60	*0.28	25.0	25.9	26.3	27.7	30.1	31.5	32.1	32.6	33.2
65-74 years	141	733	29.3	2.22	0.26	26.1	26.9	27.2	27.7	29.3	30.8	31.9	32.5	32.5

¹Includes data for races not shown as separate categories.

Table 17. Mean corpuscular hemoglobin concentration of males 3–74 years with mean, standard deviation, standard error of the mean, and selected percentiles, by race and age: United States, 1976–80

Race and age	Number of examined persons	Estimated population in thousands	Mean	Standard deviation	Standard error of the mean	Percentile								
						5th	10th	15th	25th	50th	75th	85th	90th	95th
All races ¹														
Mean corpuscular hemoglobin concentration in grams per deciliter														
3–74 years . . .	8,449	95,136	34.3	1.25	0.06	32.2	32.7	33.0	33.5	34.4	35.1	35.5	35.7	36.2
3–5 years	982	4,695	34.4	1.39	0.10	32.1	32.6	32.9	33.4	34.5	35.3	35.7	36.0	36.5
6–8 years	369	5,336	34.4	1.24	0.10	32.2	32.7	33.1	33.7	34.4	35.3	35.7	35.9	36.3
9–11 years	417	5,310	34.3	1.36	0.11	32.3	32.6	32.9	33.3	34.4	35.2	35.6	36.0	36.4
12–14 years	468	5,920	34.3	1.33	0.10	32.1	32.7	33.0	33.5	34.3	35.1	35.6	35.8	36.3
15–17 years	506	6,320	34.3	1.25	0.07	32.3	32.8	33.1	33.5	34.4	35.1	35.4	35.6	35.9
18–24 years	951	13,275	34.4	1.15	0.06	32.4	32.9	33.3	33.7	34.5	35.1	35.5	35.7	36.2
25–34 years	1,028	15,895	34.4	1.18	0.07	32.4	32.8	33.2	33.6	34.5	35.1	35.5	35.7	36.2
35–44 years	722	11,367	34.3	1.21	0.09	32.2	32.7	33.1	33.6	34.4	35.1	35.5	35.7	36.3
45–54 years	666	11,114	34.2	1.25	0.06	32.0	32.6	33.0	33.5	34.4	35.1	35.4	35.7	36.0
55–64 years	1,177	9,607	34.1	1.25	0.08	32.1	32.7	32.9	33.3	34.2	34.9	35.3	35.6	36.1
65–74 years	1,163	6,297	33.9	1.28	0.08	31.7	32.3	32.6	33.1	34.0	34.8	35.1	35.4	35.7
White														
3–74 years	7,198	81,889	34.4	1.19	0.06	32.4	32.9	33.2	33.6	34.5	35.1	35.5	35.8	36.2
3–5 years	781	3,789	34.5	1.37	0.10	32.3	32.7	33.0	33.5	34.6	35.4	35.8	36.1	36.6
6–8 years	308	4,357	34.5	1.18	0.10	32.4	32.9	33.2	33.8	34.5	35.3	35.7	35.9	36.3
9–11 years	338	4,411	34.5	1.27	0.11	32.5	32.8	33.1	33.6	34.5	35.3	35.6	36.0	36.4
12–14 years	383	4,864	34.4	1.28	0.10	32.4	32.9	33.2	33.6	34.5	35.2	35.7	35.9	36.3
15–17 years	418	5,269	34.5	1.13	0.06	32.8	33.1	33.3	33.8	34.5	35.1	35.5	35.7	35.9
18–24 years	817	11,442	34.5	1.07	0.06	32.8	33.2	33.5	33.8	34.6	35.2	35.6	35.8	36.2
25–34 years	870	13,864	34.5	1.12	0.07	32.6	33.1	33.4	33.8	34.6	35.2	35.6	35.8	36.2
35–44 years	633	9,808	34.4	1.16	0.09	32.4	32.9	33.3	33.7	34.5	35.2	35.6	35.8	36.4
45–54 years	594	9,865	34.3	1.20	0.06	32.1	32.8	33.1	33.6	34.4	35.2	35.5	35.7	36.1
55–64 years	1,042	8,642	34.2	1.22	0.09	32.3	32.8	33.1	33.5	34.3	35.0	35.4	35.6	36.1
65–74 years	1,014	5,576	33.9	1.25	0.09	31.9	32.5	32.7	33.2	34.0	34.8	35.2	35.4	35.8
Black														
3–74 years	1,055	10,583	33.4	1.34	0.10	31.3	31.8	32.1	32.5	33.4	34.3	34.8	35.1	35.5
3–5 years	171	718	33.8	*1.42	*0.14	31.4	31.9	32.4	33.0	34.1	34.9	35.2	35.5	35.8
6–8 years	49	787	33.7	*1.28	*0.23	*	*	32.2	32.6	33.8	34.6	34.9	*	*
9–11 years	70	767	33.7	*1.66	*0.32	*	31.8	32.2	32.6	33.3	34.6	35.3	35.5	*
12–14 years	71	851	33.6	*1.46	*0.22	*	31.7	31.9	32.8	33.6	34.6	34.9	35.4	*
15–17 years	74	867	33.0	*1.22	*0.18	*	31.6	31.7	32.0	32.3	33.0	33.7	34.3	34.5
18–24 years	113	1,533	33.4	*1.28	*0.13	31.6	31.9	32.2	32.6	33.3	34.3	34.9	35.2	35.3
25–34 years	131	1,546	33.4	1.16	0.13	31.5	31.7	32.1	32.7	33.4	34.2	34.6	34.9	35.3
35–44 years	69	1,112	33.5	*1.37	*0.22	*	32.0	32.1	32.8	33.5	34.3	35.0	35.4	*
45–54 years	61	1,044	33.2	*1.38	*0.19	*	31.8	32.0	32.4	33.3	34.4	34.6	34.6	*
55–64 years	123	801	33.1	*1.30	*0.13	31.1	31.7	32.0	32.4	33.1	34.0	34.4	34.8	35.1
65–74 years	123	555	33.1	1.30	0.18	30.9	31.5	31.7	32.2	33.1	34.1	34.5	34.7	35.1

¹Includes data for races not shown as separate categories.

Table 18. Mean corpuscular hemoglobin concentration of females 3–74 years with mean, standard deviation, standard error of the mean, and selected percentiles, by race and age: United States, 1976–80

Race and age	Number of examined persons	Estimated population in thousands	Mean	Standard deviation	Standard error of the mean	Percentile								
						5th	10th	15th	25th	50th	75th	85th	90th	95th
All races ¹														
Mean corpuscular hemoglobin concentration in grams per deciliter														
3–74 years	8,829	100,741	33.8	1.29	0.08	31.7	32.2	32.6	33.0	33.9	34.7	35.1	35.4	35.8
3–5 years	896	4,491	34.2	1.37	0.10	31.9	32.5	32.8	33.3	34.3	35.1	35.6	35.9	36.3
6–8 years	361	4,877	34.3	1.41	0.10	31.8	32.6	32.8	33.3	34.4	35.1	35.5	35.8	36.6
9–11 years	384	5,357	34.2	1.25	0.10	32.1	32.6	32.9	33.4	34.3	35.1	35.5	35.6	36.1
12–14 years	446	5,712	33.9	1.21	0.10	32.0	32.3	32.7	33.1	34.0	34.9	35.3	35.5	35.7
15–17 years	426	6,131	33.9	1.34	0.12	31.6	32.1	32.6	33.0	33.9	34.8	35.3	35.6	35.9
18–24 years	1,009	14,173	33.8	1.19	0.08	31.8	32.4	32.7	33.1	33.8	34.6	35.0	35.2	35.7
25–34 years	1,116	16,856	33.7	1.26	0.09	31.7	32.1	32.4	32.8	33.8	34.6	35.1	35.3	35.7
35–44 years	818	12,284	33.7	1.28	0.09	31.7	32.1	32.4	33.0	33.8	34.6	34.9	35.3	35.6
45–54 years	738	11,918	33.7	1.30	0.08	31.4	32.1	32.4	32.9	33.8	34.6	35.0	35.2	35.7
55–64 years	1,275	10,743	33.7	1.24	0.09	31.6	32.2	32.5	33.0	33.8	34.6	35.0	35.3	35.6
65–74 years	1,360	8,198	33.8	1.35	0.10	31.7	32.2	32.5	32.9	33.8	34.6	35.1	35.4	35.8
White														
3–74 years	7,486	86,352	33.9	1.24	0.08	31.9	32.4	32.7	33.1	34.0	34.8	35.1	35.4	35.8
3–5 years	717	3,666	34.4	1.30	0.09	32.3	32.8	33.1	33.6	34.4	35.2	35.7	35.9	36.5
6–8 years	285	4,014	34.4	1.36	0.12	32.3	32.6	33.1	33.7	34.6	35.2	35.6	35.9	36.8
9–11 years	316	4,482	34.3	1.13	0.10	32.4	32.8	33.2	33.6	34.4	35.1	35.5	35.6	36.1
12–14 years	360	4,746	34.1	1.14	0.09	32.1	32.6	32.9	33.2	34.2	34.9	35.4	35.5	35.7
15–17 years	355	5,147	34.0	1.28	0.13	32.0	32.4	32.7	33.2	34.1	34.9	35.3	35.7	35.9
18–24 years	846	11,919	33.9	1.12	0.09	32.1	32.6	32.8	33.2	33.9	34.6	35.0	35.3	35.8
25–34 years	955	14,494	33.8	1.21	0.09	31.8	32.3	32.6	33.0	33.8	34.7	35.1	35.4	35.8
35–44 years	702	10,584	33.8	1.22	0.08	31.8	32.3	32.6	33.1	33.9	34.6	35.1	35.3	35.6
45–54 years	626	10,369	33.8	1.26	0.08	31.8	32.2	32.5	33.0	33.9	34.6	35.0	35.3	35.8
55–64 years	1,126	9,601	33.8	1.21	0.09	31.8	32.3	32.6	33.1	33.9	34.6	35.0	35.3	35.6
65–74 years	1,198	7,329	33.8	1.32	0.10	31.8	32.3	32.6	33.0	33.8	34.6	35.1	35.4	35.8
Black														
3–74 years	1,183	12,107	33.1	1.39	0.14	30.8	31.3	31.7	32.3	33.2	34.0	34.6	34.9	35.3
3–5 years	160	703	33.4	*1.39	*0.24	31.1	31.7	32.1	32.4	33.4	34.3	34.9	35.3	35.9
6–8 years	68	729	33.4	*1.36	*0.19	*	31.9	32.3	32.6	33.2	34.4	34.9	35.1	*
9–11 years	62	811	33.4	*1.52	*0.26	*	31.4	31.8	32.4	33.2	34.6	35.1	35.6	*
12–14 years	80	846	33.2	*1.35	*0.23	*	31.2	31.6	32.4	33.3	34.2	34.6	34.8	*
15–17 years	65	871	33.0	*1.36	*0.18	*	30.8	31.3	32.2	33.2	34.1	34.4	34.6	*
18–24 years	138	1,873	33.1	*1.42	*0.18	30.7	31.4	31.6	32.6	33.2	33.9	34.4	34.9	35.3
25–34 years	138	1,953	33.1	*1.31	*0.17	31.0	31.6	31.7	32.1	33.2	33.8	34.3	34.7	35.2
35–44 years	101	1,415	33.0	*1.50	*0.27	30.8	31.1	31.4	32.1	33.1	33.8	34.4	34.9	35.2
45–54 years	96	1,215	32.9	*1.34	*0.18	*	31.2	31.6	32.1	32.9	33.7	34.2	34.7	*
55–64 years	131	959	33.2	*1.34	*0.20	31.0	31.5	31.8	32.3	33.3	34.2	34.6	34.9	35.4
65–74 years	144	733	33.1	1.45	0.19	30.5	31.2	31.7	32.2	33.2	33.9	34.4	34.9	35.3

¹Includes data for races not shown as separate categories.

Table 19. Mean corpuscular volume of persons 3-74 years with age-adjusted mean and standard error of the age-adjusted mean, by poverty status, sex, race, and age: United States, 1976-80

Sex, race, and age	Poverty status								
	Poverty				Nonpoverty				
	Number of examined persons	Estimated population in thousands ¹	Age-adjusted mean	Standard error of the age-adjusted mean	Number of examined persons	Estimated population in thousands ¹	Age-adjusted mean	Standard error of the age-adjusted mean	
MALE		Mean corpuscular volume in femtoliters				Mean corpuscular volume in femtoliters			
All races ²									
3-74 years.....	1,232	10,875	88.0	0.28	7,091	80,651	87.8	0.20	
3-17 years.....	575	4,529	83.4	0.33	2,156	22,101	83.8	0.24	
18-44 years.....	323	4,163	89.2	0.40	2,330	35,058	88.7	0.23	
45-64 years.....	171	1,424	90.7	0.51	1,629	18,180	90.3	0.23	
65-74 years.....	163	759	90.8	0.77	976	5,312	90.9	0.29	
White									
3-74 years.....	816	7,347	88.1	0.36	6,320	71,712	88.0	0.20	
3-17 years.....	343	2,741	83.6	0.40	1,891	19,167	83.6	0.23	
18-44 years.....	232	2,976	89.0	0.48	2,061	31,168	88.7	0.24	
45-64 years.....	125	1,080	90.7	0.56	1,484	16,524	90.4	0.24	
65-74 years.....	116	551	90.8	0.90	884	4,853	91.1	0.31	
Black									
3-74 years.....	373	3,043	87.1	0.44	630	6,931	87.0	0.28	
3-17 years.....	208	1,583	83.0	0.52	211	2,272	83.4	0.49	
18-44 years.....	77	940	89.1	*0.76	221	2,987	89.0	0.29	
45-64 years.....	45	341	91.1	*1.26	124	1,325	89.7	*0.78	
65-74 years.....	43	179	*89.5	*0.75	74	347	88.4	*1.06	
FEMALE									
All races ²									
3-74 years.....	1,608	15,251	88.1	0.28	7,040	81,732	88.8	0.23	
3-17 years.....	580	5,098	84.2	0.33	1,896	20,504	85.0	0.24	
18-44 years.....	516	6,612	89.2	0.36	2,406	35,364	90.0	0.25	
45-64 years.....	262	2,296	89.5	0.57	1,688	19,357	90.2	0.26	
65-74 years.....	250	1,245	90.1	0.46	1,050	6,507	90.4	0.28	
White									
3-74 years.....	1,061	10,309	88.4	0.27	6,314	73,098	89.0	0.23	
3-17 years.....	332	3,071	84.0	0.39	1,680	18,262	85.1	0.25	
18-44 years.....	354	4,641	90.0	0.33	2,141	31,244	90.1	0.25	
45-64 years.....	183	1,607	89.4	0.66	1,531	17,624	90.4	0.26	
65-74 years.....	192	990	90.6	0.48	962	5,967	90.5	0.30	
Black									
3-74 years.....	516	4,604	87.2	0.62	604	6,880	87.4	0.43	
3-17 years.....	234	1,888	84.7	0.53	185	1,856	84.4	0.55	
18-44 years.....	154	1,846	87.9	*0.60	212	3,252	88.9	0.64	
45-64 years.....	74	640	89.6	*1.48	132	1,332	88.3	*0.74	
65-74 years.....	54	230	87.7	*1.00	75	440	89.3	*0.83	

¹Does not include sample weights for unknown poverty index.

²Includes data for races not shown as separate categories.

Table 20. Mean corpuscular hemoglobin of persons 3-74 years with age-adjusted mean and standard error of the age-adjusted mean, by poverty status, sex, race, and age: United States, 1976-80

Sex, race, and age	Poverty status								
	Poverty				Nonpoverty				
	Number of examined persons	Estimated population in thousands ¹	Age-adjusted mean	Standard error of the age-adjusted mean	Number of examined persons	Estimated population in thousands ¹	Age-adjusted mean	Standard error of the age-adjusted mean	
MALE		Mean corpuscular hemoglobin in picograms				Mean corpuscular hemoglobin in picograms			
All races ²									
3-74 years.....	1,198	10,875	29.9	0.10	6,911	80,651	30.1	0.07	
3-17 years.....	555	4,529	28.4	0.12	2,085	22,101	28.8	0.09	
18-44 years.....	315	4,163	30.4	0.13	2,284	35,058	30.5	0.08	
45-64 years.....	169	1,424	30.7	0.19	1,584	18,180	30.9	0.09	
65-74 years.....	159	759	30.5	0.28	958	5,312	30.8	0.10	
White									
3-74 years.....	797	7,347	30.2	0.11	6,150	71,712	30.3	0.07	
3-17 years.....	333	2,741	28.7	0.16	1,824	19,167	28.9	0.08	
18-44 years.....	228	2,976	30.6	0.14	2,019	31,168	30.6	0.08	
45-64 years.....	124	1,080	30.9	0.23	1,440	16,524	31.0	0.09	
65-74 years.....	112	551	30.7	0.32	867	4,853	30.9	0.10	
Black									
3-74 years.....	361	3,043	29.0	0.18	621	6,931	29.1	0.12	
3-17 years.....	200	1,583	27.7	0.19	208	2,272	28.0	0.21	
18-44 years.....	74	940	29.7	*0.29	217	2,987	29.8	0.12	
45-64 years.....	44	341	*30.2	*0.52	123	1,325	29.8	*0.34	
65-74 years.....	43	179	*29.4	*0.36	73	347	29.3	*0.34	
FEMALE									
All races ²									
3-74 years.....	1,565	15,251	29.6	0.09	6,871	81,732	30.1	0.06	
3-17 years.....	559	5,098	28.5	0.09	1,850	20,504	29.0	0.07	
18-44 years.....	502	6,612	29.9	0.13	2,340	35,364	30.4	0.07	
45-64 years.....	258	2,296	30.0	0.19	1,657	19,357	30.4	0.07	
65-74 years.....	246	1,245	30.2	0.21	1,024	6,507	30.5	0.09	
White									
3-74 years.....	1,034	10,309	29.9	0.08	6,153	73,098	30.2	0.06	
3-17 years.....	322	3,071	28.6	0.11	1,635	18,262	29.1	0.07	
18-44 years.....	342	4,641	30.3	0.13	2,081	31,244	30.5	0.08	
45-64 years.....	180	1,607	30.1	0.25	1,501	17,624	30.5	0.07	
65-74 years.....	190	990	30.5	0.20	936	5,967	30.6	0.10	
Black									
3-74 years.....	500	4,604	28.8	0.11	598	6,880	29.0	0.16	
3-17 years.....	223	1,888	28.2	0.20	184	1,856	28.0	0.20	
18-44 years.....	152	1,846	28.9	*0.13	208	3,252	29.4	0.27	
45-64 years.....	73	640	29.6	*0.40	131	1,332	29.1	*0.27	
65-74 years.....	52	230	28.8	*0.27	75	440	29.6	*0.35	

¹ Does not include sample weights for unknown poverty index.

² Includes data for races not shown as separate categories.

Table 21. Mean corpuscular hemoglobin concentration of persons 3–74 years with age-adjusted mean and standard error of the age-adjusted mean, by poverty status, sex, race, and age: United States, 1976–80

Sex, race, and age	Poverty status								
	Poverty				Nonpoverty				
	Number of examined persons	Estimated population in thousands ¹	Age-adjusted mean	Standard error of the age-adjusted mean	Number of examined persons	Estimated population in thousands ¹	Age-adjusted mean	Standard error of the age-adjusted mean	
			Mean corpuscular hemoglobin concentration in grams per deciliter						
MALE									
All races ²									
3–74 years.....	1,206	10,875	34.0	0.08	6,943	80,651	34.3	0.06	
3–17 years.....	561	4,529	34.0	0.09	2,100	22,101	34.4	0.08	
18–44 years.....	316	4,163	34.1	0.11	2,296	35,058	34.4	0.07	
45–64 years.....	169	1,424	33.8	0.13	1,587	18,180	34.2	0.06	
65–74 years.....	160	759	33.6	0.14	960	5,312	33.9	0.08	
White									
3–74 years.....	798	7,347	34.2	0.08	6,174	71,712	34.4	0.06	
3–17 years.....	335	2,741	34.4	0.11	1,832	19,167	34.5	0.07	
18–44 years.....	228	2,976	34.4	0.12	2,030	31,168	34.5	0.06	
45–64 years.....	123	1,080	34.0	0.14	1,443	16,524	34.3	0.06	
65–74 years.....	112	551	33.9	0.15	869	4,853	33.9	0.09	
Black									
3–74 years.....	367	3,043	33.2	0.11	628	6,931	33.4	0.11	
3–17 years.....	204	1,583	33.4	0.15	214	2,272	33.5	0.16	
18–44 years.....	74	940	33.3	*0.15	218	2,987	33.5	0.12	
45–64 years.....	45	341	33.0	*0.20	123	1,325	33.2	*0.21	
65–74 years.....	44	179	*32.9	*0.23	73	347	33.1	*0.22	
FEMALE									
All races ²									
3–74 years.....	1,576	15,251	33.9	0.11	6,906	81,732	33.9	0.08	
3–17 years.....	564	5,098	33.8	0.13	1,861	20,504	34.1	0.08	
18–44 years.....	506	6,612	33.5	0.10	2,350	35,364	33.8	0.08	
45–64 years.....	260	2,296	33.4	0.20	1,660	19,357	33.8	0.08	
65–74 years.....	246	1,245	33.6	0.14	1,035	6,507	33.8	0.10	
White									
3–74 years.....	1,038	10,309	33.0	0.10	6,180	73,098	33.1	0.07	
3–17 years.....	324	3,071	34.2	0.13	1,646	18,262	34.2	0.08	
18–44 years.....	343	4,641	33.8	0.09	2,088	31,244	33.8	0.08	
45–64 years.....	180	1,607	33.6	0.24	1,503	17,624	33.8	0.07	
65–74 years.....	191	990	33.7	0.14	943	5,967	33.8	0.10	
Black									
3–74 years.....	507	4,604	33.4	0.17	606	6,880	33.9	0.14	
3–17 years.....	226	1,888	33.2	0.18	184	1,856	33.2	0.17	
18–44 years.....	155	1,846	33.0	*0.20	211	3,252	33.1	0.17	
45–64 years.....	75	640	33.0	*0.32	132	1,332	33.0	*0.20	
65–74 years.....	51	230	32.8	*0.24	79	440	33.1	*0.24	

¹ Does not include sample weights for unknown poverty index.

² Includes data for races not shown as separate categories.

Table 22. Cumulative percent distribution of hemoglobin of males 3-74 years, by age, race, and level of hemoglobin:
United States, 1976-80

Race and hemoglobin in grams per deciliter	Age								
	3-74 years			3-5 years			6-11 years		
	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent
All races²									
Total.....	8,709	92,549	100.0	1,019	3,912	100.0	814	9,672	100.0
Less than 10...	17	96	0.1	3	9	0.2	3	29	0.3
10.0-10.4.....	22	144	0.3	12	38	1.2	2	22	0.5
10.5-10.9.....	52	289	0.6	34	104	3.9	10	132	1.9
11.0-11.4.....	152	788	1.4	111	383	13.7	27	321	5.2
11.5-11.9.....	322	1,918	3.5	204	728	32.3	79	811	13.6
12.0-12.4.....	488	3,507	7.3	243	941	56.3	134	1,499	29.1
12.5-12.9.....	574	4,819	12.5	205	817	77.2	190	2,281	52.7
13.0-13.4.....	620	6,006	19.0	128	526	90.6	159	1,914	72.5
13.5-13.9.....	742	7,848	27.5	58	262	97.3	129	1,664	89.7
14.0-14.4.....	968	10,728	39.1	18	73	99.2	51	621	96.1
14.5-14.9.....	1,101	12,715	52.8	-	-	99.2	18	251	98.7
15.0-15.4.....	1,226	14,514	68.5	1	26	99.9	9	87	99.6
15.5-15.9.....	1,059	12,912	82.4	2	6	100.0	2	30	99.9
16.0-16.4.....	714	8,384	91.5	-	-	100.0	-	-	99.9
16.5-16.9.....	386	4,594	96.4	-	-	100.0	1	12	100.0
17.0-17.4.....	161	2,163	98.8	-	-	100.0	-	-	100.0
17.5-17.9.....	69	806	99.7	-	-	100.0	-	-	100.0
18 or more.....	36	317	100.0	-	-	100.0	-	-	100.0
White									
Total.....	7,426	79,931	100.0	808	3,150	100.0	670	8,030	100.0
Less than 10...	10	58	0.1	2	7	0.2	1	8	0.1
10.0-10.4.....	10	38	0.1	8	26	1.0	-	-	0.1
10.5-10.9.....	31	171	0.3	22	73	3.4	6	76	1.0
11.0-11.4.....	93	492	0.9	69	253	11.4	17	206	3.6
11.5-11.9.....	235	1,315	2.6	162	584	29.9	53	548	10.4
12.0-12.4.....	364	2,540	5.8	193	737	53.3	102	1,162	24.9
12.5-12.9.....	452	3,883	10.6	171	687	75.2	163	1,993	49.7
13.0-13.4.....	472	4,565	16.3	108	450	89.5	132	1,609	69.8
13.5-13.9.....	621	6,504	24.5	53	235	96.9	118	1,468	88.0
14.0-14.4.....	817	9,004	35.7	17	66	99.0	49	594	95.4
14.5-14.9.....	977	11,196	49.8	-	-	99.0	18	251	98.6
15.0-15.4.....	1,115	13,263	66.3	1	26	99.8	9	87	99.6
15.5-15.9.....	955	11,642	80.9	2	6	100.0	2	30	100.0
16.0-16.4.....	670	7,961	90.9	-	-	100.0	-	-	100.0
16.5-16.9.....	356	4,231	96.2	-	-	100.0	-	-	100.0
17.0-17.4.....	150	2,010	98.7	-	-	100.0	-	-	100.0
17.5-17.9.....	66	767	99.6	-	-	100.0	-	-	100.0
18 or more.....	32	292	100.0	-	-	100.0	-	-	100.0
Black									
Total.....	1,081	10,058	100.0	177	616	100.0	122	1,352	100.0
Less than 10...	7	38	0.4	1	2	0.4	2	21	1.5
10.0-10.4.....	12	106	1.4	4	12	2.3	2	22	3.2
10.5-10.9.....	21	118	2.6	12	31	7.4	4	56	7.3
11.0-11.4.....	56	288	5.5	39	121	27.1	10	115	15.8
11.5-11.9.....	78	543	10.9	37	129	48.0	24	229	32.8
12.0-12.4.....	108	834	19.2	41	163	74.4	27	282	53.6
12.5-12.9.....	109	849	27.6	25	88	88.7	24	254	72.4
13.0-13.4.....	129	1,206	39.6	15	52	97.1	21	234	89.7
13.5-13.9.....	103	1,124	50.8	3	18	100.0	6	116	98.3
14.0-14.4.....	127	1,364	64.3	-	-	100.0	1	11	99.1
14.5-14.9.....	107	1,228	76.5	-	-	100.0	-	-	99.1
15.0-15.4.....	86	915	85.6	-	-	100.0	-	-	99.1
15.5-15.9.....	82	955	95.1	-	-	100.0	-	-	99.1
16.0-16.4.....	29	244	97.6	-	-	100.0	-	-	99.1
16.5-16.9.....	18	173	99.3	-	-	100.0	1	12	100.0
17.0-17.4.....	5	43	99.7	-	-	100.0	-	-	100.0
17.5-17.9.....	2	18	99.9	-	-	100.0	-	-	100.0
18 or more.....	2	12	100.0	-	-	100.0	-	-	100.0

See footnotes at end of table.

Table 22. Cumulative percent distribution of hemoglobin of males 3-74 years, by age, race, and level of hemoglobin:
United States, 1976-80—Con.

Race and hemoglobin in grams per deciliter	Age								
	12-14 years			15-17 years			18-24 years		
	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent
All races²									
Total.....	485	5,750	100.0	528	6,250	100.0	974	13,055	100.0
Less than 10...	-	-	-	-	-	-	-	-	-
10.0-10.4.....	1	8	0.1	1	10	0.2	-	-	-
10.5-10.9.....	1	11	0.3	-	-	0.2	-	-	-
11.0-11.4.....	2	14	0.6	1	15	0.4	-	-	-
11.5-11.9.....	11	127	2.8	6	75	1.6	1	16	0.1
12.0-12.4.....	39	485	11.2	12	103	3.3	3	48	0.5
12.5-12.9.....	61	666	22.8	12	109	5.0	8	124	1.4
13.0-13.4.....	73	917	38.8	37	385	11.2	19	269	3.5
13.5-13.9.....	78	937	55.1	49	601	20.8	53	662	8.6
14.0-14.4.....	98	1,147	75.0	81	971	36.3	107	1,365	19.0
14.5-14.9.....	63	720	87.5	97	1,169	55.0	140	1,906	33.6
15.0-15.4.....	35	442	95.2	106	1,313	76.1	184	2,590	53.5
15.5-15.9.....	11	138	97.6	85	1,022	92.4	177	2,376	71.7
16.0-16.4.....	5	48	98.5	22	258	96.5	141	1,824	85.6
16.5-16.9.....	6	72	99.7	15	154	99.0	83	1,102	94.1
17.0-17.4.....	1	17	100.0	3	42	99.7	37	513	98.0
17.5-17.9.....	-	-	100.0	1	19	100.0	18	234	99.8
18 or more.....	-	-	100.0	-	-	100.0	3	27	100.0
White									
Total.....	399	4,768	100.0	437	5,207	100.0	835	11,274	100.0
Less than 10...	-	-	-	-	-	-	-	-	-
10.0-10.4.....	-	-	-	-	-	-	-	-	-
10.5-10.9.....	-	-	-	-	-	-	-	-	-
11.0-11.4.....	-	-	-	-	-	-	-	-	-
11.5-11.9.....	5	52	1.1	-	-	-	1	16	0.1
12.0-12.4.....	27	322	7.9	6	49	0.9	-	-	0.1
12.5-12.9.....	46	529	18.9	6	49	1.9	4	75	0.8
13.0-13.4.....	60	756	34.8	27	265	7.0	7	112	1.8
13.5-13.9.....	68	827	52.1	41	493	16.4	42	510	6.3
14.0-14.4.....	84	1,001	73.1	68	846	32.7	81	1,061	15.7
14.5-14.9.....	55	639	86.5	82	981	51.5	117	1,556	29.5
15.0-15.4.....	31	368	94.2	99	1,228	75.1	185	2,354	50.4
15.5-15.9.....	11	138	97.1	72	884	92.1	163	2,189	69.8
16.0-16.4.....	5	48	98.1	20	233	96.5	125	1,678	84.7
16.5-16.9.....	6	72	99.6	13	129	99.0	76	1,016	93.7
17.0-17.4.....	1	17	100.0	2	33	99.6	36	490	98.1
17.5-17.9.....	-	-	100.0	1	19	100.0	16	203	99.9
18 or more.....	-	-	100.0	-	-	100.0	2	15	100.0
Black									
Total.....	72	783	100.0	77	859	100.0	118	1,483	100.0
Less than 10...	-	-	-	-	-	-	-	-	-
10.0-10.4.....	1	8	1.1	1	10	1.2	-	-	-
10.5-10.9.....	1	11	2.4	-	-	1.2	-	-	-
11.0-11.4.....	2	14	4.3	1	15	3.0	-	-	-
11.5-11.9.....	6	75	13.9	6	75	11.8	-	-	-
12.0-12.4.....	10	126	30.0	6	54	18.1	3	48	3.2
12.5-12.9.....	15	138	47.5	6	61	25.1	3	37	5.7
13.0-13.4.....	10	118	62.6	10	120	39.1	11	134	14.7
13.5-13.9.....	9	100	75.4	6	75	47.8	10	140	24.2
14.0-14.4.....	9	82	85.9	11	108	60.4	25	296	44.2
14.5-14.9.....	6	55	92.9	12	147	77.5	20	294	64.0
15.0-15.4.....	3	55	100.0	7	86	87.4	15	186	76.5
15.5-15.9.....	-	-	100.0	9	90	97.9	13	168	87.9
16.0-16.4.....	-	-	100.0	1	8	98.9	12	108	95.1
16.5-16.9.....	-	-	100.0	-	-	98.9	5	63	99.4
17.0-17.4.....	-	-	100.0	1	10	100.0	-	-	99.4
17.5-17.9.....	-	-	100.0	-	-	100.0	1	9	100.0
18 or more.....	-	-	100.0	-	-	100.0	-	-	100.0

See footnotes at end of table.

Table 22. Cumulative percent distribution of hemoglobin of males 3-74 years, by age, race, and level of hemoglobin: United States, 1976-80—Con.

Race and hemoglobin in grams per deciliter	Age								
	25-44 years			45-64 years			65-74 years		
	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent
All races²									
Total.	1,795	27,038	100.0	1,905	20,613	100.0	1,189	6,259	100.0
Less than 10 . . .	-	-	-	4	29	0.1	7	29	0.5
10.0-10.4	1	17	0.1	5	48	0.4	-	-	0.5
10.5-10.9	1	9	0.1	2	16	0.5	4	16	0.7
11.0-11.4	-	-	0.1	3	26	0.6	8	28	1.2
11.5-11.9	3	35	0.2	6	54	0.8	12	72	2.3
12.0-12.4	10	130	0.7	23	190	1.8	24	112	4.1
12.5-12.9	16	281	1.7	41	319	3.3	41	222	7.7
13.0-13.4	51	741	4.5	71	844	7.4	82	409	14.2
13.5-13.9	112	1,592	10.4	157	1,534	14.8	106	595	23.7
14.0-14.4	209	3,152	22.0	249	2,629	27.6	155	770	36.0
14.5-14.9	285	4,466	38.6	298	3,086	42.6	200	1,118	53.9
15.0-15.4	361	5,283	58.1	336	3,743	60.7	194	1,029	70.3
15.5-15.9	339	5,118	77.0	295	3,466	77.6	148	756	82.4
16.0-16.4	221	3,302	89.2	221	2,402	89.2	104	550	91.2
16.5-16.9	113	1,728	95.6	114	1,263	95.3	54	263	95.4
17.0-17.4	48	798	98.6	47	652	98.5	25	141	97.6
17.5-17.9	19	316	99.7	19	160	99.3	12	77	98.9
18 or more	6	69	100.0	14	151	100.0	13	71	100.0
White									
Total.	1,542	23,512	100.0	1,696	18,439	100.0	1,039	5,552	100.0
Less than 10 . . .	-	-	-	3	25	0.1	4	18	0.3
10.0-10.4	-	-	-	2	12	0.2	-	-	0.3
10.5-10.9	-	-	-	2	16	0.3	1	6	0.4
11.0-11.4	-	-	-	2	14	0.4	5	19	0.8
11.5-11.9	2	27	0.1	4	35	0.6	8	53	1.7
12.0-12.4	4	51	0.3	15	134	1.3	17	85	3.3
12.5-12.9	7	170	1.1	25	209	2.4	30	171	6.3
13.0-13.4	32	491	3.1	49	591	5.6	57	291	11.6
13.5-13.9	84	1,196	8.2	128	1,269	12.5	87	508	20.7
14.0-14.4	169	2,541	19.0	209	2,199	24.4	140	697	33.3
14.5-14.9	251	3,963	35.9	272	2,771	39.5	182	1,036	52.0
15.0-15.4	318	4,755	56.1	312	3,487	58.4	180	958	69.2
15.5-15.9	294	4,495	75.2	276	3,219	75.8	135	682	81.5
16.0-16.4	210	3,162	88.7	212	2,318	88.4	98	522	90.9
16.5-16.9	104	1,579	95.4	107	1,197	94.9	50	239	95.2
17.0-17.4	43	705	98.4	45	631	98.3	23	134	97.6
17.5-17.9	19	316	99.7	19	160	99.2	11	69	98.8
18 or more	5	62	100.0	14	151	100.0	11	64	100.0
Black									
Total.	205	2,617	100.0	186	1,805	100.0	124	542	100.0
Less than 10 . . .	-	-	-	1	4	0.2	3	11	2.0
10.0-10.4	1	17	0.6	3	36	2.2	-	-	2.0
10.5-10.9	1	9	1.0	-	-	2.2	3	10	3.9
11.0-11.4	-	-	1.0	1	12	2.9	3	9	5.7
11.5-11.9	1	9	1.3	2	19	4.0	2	7	7.0
12.0-12.4	6	79	4.3	8	55	7.0	7	27	12.0
12.5-12.9	9	111	8.6	16	110	13.1	11	51	21.5
13.0-13.4	17	208	16.5	21	226	25.6	24	114	42.6
13.5-13.9	25	350	29.9	29	265	40.3	15	59	53.4
14.0-14.4	33	459	47.4	35	354	60.0	13	54	63.5
14.5-14.9	30	411	63.1	23	255	74.1	16	66	75.6
15.0-15.4	31	309	74.9	22	243	87.5	8	37	82.4
15.5-15.9	36	495	93.8	14	143	95.5	10	58	93.2
16.0-16.4	7	83	97.0	4	27	97.0	5	18	96.5
16.5-16.9	5	53	99.0	6	43	99.3	1	2	96.9
17.0-17.4	2	17	99.7	1	12	100.0	1	4	97.7
17.5-17.9	-	-	99.7	-	-	100.0	1	9	99.2
18 or more	1	8	100.0	-	-	100.0	1	4	100.0

¹Does not include sample weights for missing values.

²Includes data for races not shown as separate categories.

Table 23. Cumulative percent distribution of hemoglobin of females 3-74 years, by age, race, and level of hemoglobin:
United States, 1976-80

Race and hemoglobin in grams per deciliter	Age								
	3-74 years			3-5 years			6-11 years		
	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent
All races²									
Total.....	9,086	97,563	100.0	919	3,605	100.0	771	9,314	100.0
Less than 10 ...	35	400	0.4	2	7	0.2	-	-	-
10.0-10.4	41	399	0.8	8	24	0.9	3	42	0.4
10.5-10.9	94	855	1.7	32	124	4.3	8	90	1.4
11.0-11.4	291	2,721	4.5	95	373	14.7	28	402	5.7
11.5-11.9	553	5,004	9.6	183	717	34.5	71	784	14.2
12.0-12.4	1,021	10,009	19.9	221	855	58.3	138	1,474	30.0
12.5-12.9	1,408	15,146	35.4	174	663	76.7	165	2,012	51.6
13.0-13.4	1,600	17,786	53.6	122	500	90.5	152	1,908	72.1
13.5-13.9	1,552	17,873	71.9	49	200	96.1	128	1,583	89.1
14.0-14.4	1,133	12,611	84.9	26	110	99.1	49	615	95.7
14.5-14.9	698	7,981	93.1	4	15	99.6	24	342	99.3
15.0-15.4	366	3,820	97.0	1	6	99.7	5	62	100.0
15.5-15.9	193	1,990	99.0	2	9	100.0	-	-	100.0
16.0-16.4	61	612	99.6	-	-	100.0	-	-	100.0
16.5-16.9	27	225	99.9	-	-	100.0	-	-	100.0
17.0-17.4	6	64	99.9	-	-	100.0	-	-	100.0
17.5-17.9	5	45	100.0	-	-	100.0	-	-	100.0
18 or more.....	2	22	100.0	-	-	100.0	-	-	100.0
White									
Total.....	7,704	83,874	100.0	736	2,945	100.0	622	7,784	100.0
Less than 10 ...	20	246	0.3	-	-	-	-	-	-
10.0-10.4	25	269	0.6	3	9	0.3	1	20	0.3
10.5-10.9	53	545	1.3	20	77	2.9	3	48	0.9
11.0-11.4	176	1,708	3.3	63	255	11.6	17	258	4.2
11.5-11.9	372	3,396	7.3	139	567	30.9	46	550	11.3
12.0-12.4	775	7,724	16.6	183	701	54.7	97	1,065	24.9
12.5-12.9	1,168	12,660	31.7	149	573	74.1	136	1,691	46.7
13.0-13.4	1,389	15,514	50.1	106	442	89.1	139	1,798	69.8
13.5-13.9	1,398	16,214	69.5	42	184	95.4	112	1,429	88.1
14.0-14.4	1,043	11,596	83.3	24	106	98.9	45	559	95.3
14.5-14.9	660	7,569	92.3	4	15	99.5	21	305	99.2
15.0-15.4	346	3,634	96.7	1	6	99.7	5	62	100.0
15.5-15.9	181	1,856	98.9	2	9	100.0	-	-	100.0
16.0-16.4	60	603	99.6	-	-	100.0	-	-	100.0
16.5-16.9	25	208	99.8	-	-	100.0	-	-	100.0
17.0-17.4	6	64	99.9	-	-	100.0	-	-	100.0
17.5-17.9	5	45	100.0	-	-	100.0	-	-	100.0
18 or more.....	2	22	100.0	-	-	100.0	-	-	100.0
Black									
Total.....	1,216	11,488	100.0	164	565	100.0	135	1,368	100.0
Less than 10 ...	15	154	1.3	2	7	1.2	-	-	-
10.0-10.4	16	130	2.5	5	15	3.9	2	21	1.5
10.5-10.9	40	285	4.9	12	47	12.3	5	42	4.6
11.0-11.4	108	927	13.0	28	94	28.9	11	145	15.2
11.5-11.9	171	1,525	26.3	41	135	52.7	25	234	32.3
12.0-12.4	224	2,036	44.0	34	128	75.5	37	347	57.7
12.5-12.9	221	2,239	63.5	21	70	87.9	27	304	79.9
13.0-13.4	180	1,890	79.9	14	51	97.0	11	95	86.8
13.5-13.9	123	1,225	90.6	5	12	99.1	12	105	94.6
14.0-14.4	66	609	95.9	2	5	100.0	3	47	98.0
14.5-14.9	26	253	98.1	-	-	100.0	2	28	100.0
15.0-15.4	16	132	99.3	-	-	100.0	-	-	100.0
15.5-15.9	8	68	99.9	-	-	100.0	-	-	100.0
16.0-16.4	-	-	99.9	-	-	100.0	-	-	100.0
16.5-16.9	2	17	100.0	-	-	100.0	-	-	100.0
17.0-17.4	-	-	100.0	-	-	100.0	-	-	100.0
17.5-17.9	-	-	100.0	-	-	100.0	-	-	100.0
18 or more.....	-	-	100.0	-	-	100.0	-	-	100.0

See footnotes at end of table.

Table 23. Cumulative percent distribution of hemoglobin of females 3–74 years, by age, race, and level of hemoglobin: United States, 1976–80—Con.

Race and hemoglobin in grams per deciliter	Age								
	12–14 years			15–17 years			18–24 years		
	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent
All races²									
Total.....	463	5,443	100.0	437	5,992	100.0	1,039	13,862	100.0
Less than 10...	1	8	0.1	1	9	0.2	8	109	0.8
10.0–10.4.....	-	-	0.1	3	40	0.8	1	11	0.9
10.5–10.9.....	3	37	0.8	4	63	1.9	12	142	1.9
11.0–11.4.....	12	129	3.2	18	219	5.5	32	369	4.6
11.5–11.9.....	25	307	8.8	20	233	9.4	43	597	8.9
12.0–12.4.....	66	745	22.5	38	456	17.0	108	1,359	18.7
12.5–12.9.....	75	864	38.4	79	1,045	34.5	174	2,312	35.3
13.0–13.4.....	103	1,171	59.9	85	1,263	55.5	173	2,377	52.5
13.5–13.9.....	92	1,072	79.6	77	1,055	73.1	205	2,972	73.9
14.0–14.4.....	55	750	93.4	58	812	86.7	138	1,743	86.5
14.5–14.9.....	22	253	98.0	32	471	94.6	87	1,104	94.5
15.0–15.4.....	7	78	99.5	12	172	97.4	44	589	98.7
15.5–15.9.....	2	29	100.0	9	139	99.8	11	145	99.8
16.0–16.4.....	-	-	100.0	1	15	100.0	2	24	99.9
16.5–16.9.....	-	-	100.0	-	-	100.0	1	8	100.0
17.0–17.4.....	-	-	100.0	-	-	100.0	-	-	100.0
17.5–17.9.....	-	-	100.0	-	-	100.0	-	-	100.0
18 or more.....	-	-	100.0	-	-	100.0	-	-	100.0
White									
Total.....	372	4,555	100.0	361	5,068	100.0	872	11,682	100.0
Less than 10...	1	8	0.2	-	-	-	2	31	0.3
10.0–10.4.....	-	-	0.2	2	31	0.6	-	-	0.3
10.5–10.9.....	1	12	0.4	2	41	1.4	7	87	1.0
11.0–11.4.....	3	44	1.4	9	104	3.5	21	255	3.2
11.5–11.9.....	14	189	5.5	10	123	5.9	30	394	6.6
12.0–12.4.....	44	543	17.5	30	385	13.5	80	1,054	15.6
12.5–12.9.....	64	768	34.3	57	782	28.9	137	1,793	30.9
13.0–13.4.....	86	1,022	56.8	76	1,127	51.2	150	2,062	48.6
13.5–13.9.....	80	956	77.7	69	931	69.5	180	2,612	70.9
14.0–14.4.....	48	654	92.1	55	781	84.9	130	1,647	85.0
14.5–14.9.....	22	253	97.6	30	450	93.8	84	1,082	94.3
15.0–15.4.....	7	78	99.4	12	172	97.2	40	527	98.8
15.5–15.9.....	2	29	100.0	8	127	99.7	9	114	99.8
16.0–16.4.....	-	-	100.0	1	15	100.0	2	24	100.0
16.5–16.9.....	-	-	100.0	-	-	100.0	-	-	100.0
17.0–17.4.....	-	-	100.0	-	-	100.0	-	-	100.0
17.5–17.9.....	-	-	100.0	-	-	100.0	-	-	100.0
18 or more.....	-	-	100.0	-	-	100.0	-	-	100.0
Black									
Total.....	84	777	100.0	69	810	100.0	141	1,806	100.0
Less than 10...	-	-	-	1	9	1.1	6	78	4.3
10.0–10.4.....	-	-	-	1	9	2.2	1	11	5.0
10.5–10.9.....	2	25	3.2	2	23	5.0	5	56	8.0
11.0–11.4.....	9	85	14.2	9	114	19.1	11	114	14.3
11.5–11.9.....	11	118	29.4	10	110	32.7	13	202	25.6
12.0–12.4.....	22	202	55.4	6	56	39.5	22	229	38.2
12.5–12.9.....	11	96	67.7	21	244	69.6	33	446	62.9
13.0–13.4.....	15	132	84.8	8	112	83.4	17	223	75.3
13.5–13.9.....	10	81	95.2	7	93	94.8	19	273	90.4
14.0–14.4.....	4	37	100.0	1	8	95.9	6	80	94.8
14.5–14.9.....	-	-	100.0	2	21	98.4	3	22	96.0
15.0–15.4.....	-	-	100.0	-	-	98.4	3	54	99.1
15.5–15.9.....	-	-	100.0	1	13	100.0	1	9	99.6
16.0–16.4.....	-	-	100.0	-	-	100.0	-	-	99.6
16.5–16.9.....	-	-	100.0	-	-	100.0	1	8	100.0
17.0–17.4.....	-	-	100.0	-	-	100.0	-	-	100.0
17.5–17.9.....	-	-	100.0	-	-	100.0	-	-	100.0
18 or more.....	-	-	100.0	-	-	100.0	-	-	100.0

See footnotes at end of table.

Table 23. Cumulative percent distribution of hemoglobin of females 3-74 years, by age, race, and level of hemoglobin: United States, 1976-80—Con.

Race and hemoglobin in grams per deciliter	Age								
	25-44 years			45-64 years			65-74 years		
	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent
All races²									
Total.....	1,994	28,865	100.0	2,086	22,414	100.0	1,397	8,069	100.0
Less than 10 ...	11	115	0.4	6	114	0.5	6	38	0.5
10.0-10.4.....	15	190	1.1	8	74	0.8	3	18	0.7
10.5-10.9.....	13	201	1.8	13	154	1.5	9	44	1.2
11.0-11.4.....	54	804	4.5	30	303	2.9	22	121	2.7
11.5-11.9.....	101	1,384	9.3	68	756	6.3	42	226	5.5
12.0-12.4.....	202	2,867	19.3	156	1,750	14.1	92	503	11.8
12.5-12.9.....	308	4,515	34.9	260	2,761	26.4	173	974	23.8
13.0-13.4.....	378	5,270	53.2	350	3,892	43.7	237	1,406	41.3
13.5-13.9.....	351	5,300	71.5	384	4,139	62.2	266	1,551	60.5
14.0-14.4.....	270	3,924	85.1	311	3,327	77.1	226	1,330	77.0
14.5-14.9.....	165	2,556	94.0	202	2,303	87.3	162	938	88.6
15.0-15.4.....	66	935	97.2	145	1,503	94.0	86	474	94.5
15.5-15.9.....	43	567	99.2	88	875	97.9	38	224	97.3
16.0-16.4.....	15	216	99.9	24	235	99.0	19	123	98.8
16.5-16.9.....	2	23	100.0	11	121	99.5	13	73	99.7
17.0-17.4.....	-	-	100.0	4	47	99.7	2	18	99.9
17.5-17.9.....	-	-	100.0	4	37	99.9	1	8	100.0
18 or more.....	-	-	100.0	2	22	100.0	-	-	100.0
White									
Total.....	1,710	24,856	100.0	1,801	19,760	100.0	1,230	7,223	100.0
Less than 10 ...	6	66	0.3	5	104	0.5	6	38	0.5
10.0-10.4.....	12	144	0.8	5	50	0.8	2	14	0.7
10.5-10.9.....	10	173	1.5	8	98	1.3	2	11	0.9
11.0-11.4.....	35	569	3.8	13	145	2.0	15	87	2.1
11.5-11.9.....	65	890	7.4	46	545	4.8	23	137	4.0
12.0-12.4.....	157	2,256	16.4	116	1,324	11.5	68	396	9.5
12.5-12.9.....	265	3,861	32.0	215	2,341	23.3	145	851	21.2
13.0-13.4.....	320	4,450	49.9	303	3,405	40.5	209	1,208	38.0
13.5-13.9.....	318	4,819	69.3	354	3,845	60.0	243	1,439	57.9
14.0-14.4.....	251	3,613	83.8	279	2,977	75.1	211	1,259	75.3
14.5-14.9.....	155	2,397	93.4	190	2,174	86.1	154	892	87.7
15.0-15.4.....	60	872	97.0	140	1,460	93.5	81	457	94.0
15.5-15.9.....	39	518	99.0	85	846	97.8	36	212	98.9
16.0-16.4.....	15	216	99.9	23	226	98.9	19	123	98.8
16.5-16.9.....	2	23	100.0	10	112	99.5	13	73	99.8
17.0-17.4.....	-	-	100.0	4	47	99.7	2	18	99.9
17.5-17.9.....	-	-	100.0	4	37	99.9	1	8	100.0
18 or more.....	-	-	100.0	2	22	100.0	-	-	100.0
Black									
Total.....	244	3,314	100.0	231	2,138	100.0	148	710	100.0
Less than 10 ...	5	50	1.5	1	10	0.5	-	-	-
10.0-10.4.....	3	46	2.9	3	24	1.6	1	4	0.5
10.5-10.9.....	3	28	3.7	4	31	3.0	7	33	5.2
11.0-11.4.....	18	232	10.7	15	110	8.1	7	34	10.0
11.5-11.9.....	33	470	24.9	20	173	16.2	18	83	21.7
12.0-12.4.....	44	594	42.8	38	396	34.8	21	84	33.5
12.5-12.9.....	40	584	60.4	43	393	53.1	25	102	47.9
13.0-13.4.....	50	711	81.9	39	380	70.9	26	185	73.9
13.5-13.9.....	24	327	91.7	24	233	81.8	22	101	88.1
14.0-14.4.....	10	119	95.3	28	266	94.2	12	48	94.9
14.5-14.9.....	6	83	97.8	9	81	98.0	4	19	97.6
15.0-15.4.....	5	45	99.2	4	19	98.9	4	14	99.5
15.5-15.9.....	3	27	100.0	2	15	99.6	1	4	100.0
16.0-16.4.....	-	-	100.0	-	-	99.6	-	-	100.0
16.5-16.9.....	-	-	100.0	1	9	100.0	-	-	100.0
17.0-17.4.....	-	-	100.0	-	-	100.0	-	-	100.0
17.5-17.9.....	-	-	100.0	-	-	100.0	-	-	100.0
18 or more.....	-	-	100.0	-	-	100.0	-	-	100.0

¹Does not include sample weights for missing values.

²Includes data for races not shown as separate categories.

Table 24. Cumulative percent distribution of hematocrit of males 3-74 years, by age, race, and level of hematocrit: United States, 1976-80

Race and hematocrit in percent	Age								
	3-74 years			3-5 years			6-11 years		
	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent
All races²									
Total.....	8,709	92,549	100.0	1,019	3,912	100.0	814	9,672	100.0
Less than 30.0..	19	120	0.1	5	16	0.4	3	43	0.4
30.0-31.9.....	36	209	0.4	26	89	2.7	7	105	1.5
32.0-33.9.....	198	1,021	1.5	153	550	16.7	29	360	5.3
34.0-35.9.....	566	3,723	5.5	347	1,320	50.5	153	1,714	23.0
36.0-37.9.....	736	5,830	11.8	313	1,188	80.8	261	3,064	54.7
38.0-39.9.....	791	7,837	20.2	131	551	94.9	224	2,649	82.0
40.0-41.9.....	1,140	12,645	33.9	38	150	98.8	101	1,292	95.4
42.0-44.9.....	2,555	29,857	66.2	4	40	99.8	34	421	99.8
45.0-46.9.....	1,554	18,726	86.4	2	9	100.0	-	-	99.8
47.0-48.9.....	793	9,073	96.2	-	-	100.0	2	24	100.0
49.0-50.9.....	220	2,512	98.9	-	-	100.0	-	-	100.0
51.0-52.9.....	74	777	99.8	-	-	100.0	-	-	100.0
53.0-54.9.....	15	143	99.9	-	-	100.0	-	-	100.0
55.0 or more...	12	75	100.0	-	-	100.0	-	-	100.0
White									
Total.....	7,426	79,931	100.0	808	3,150	100.0	670	8,030	100.0
Less than 30.0..	10	57	0.1	3	12	0.4	1	8	0.1
30.0-31.9.....	25	133	0.2	20	74	2.7	3	47	0.7
32.0-33.9.....	143	728	1.1	114	415	15.9	21	258	3.9
34.0-35.9.....	429	2,851	4.7	268	1,024	48.4	116	1,356	20.8
36.0-37.9.....	582	4,625	10.5	252	964	79.0	218	2,548	52.5
38.0-39.9.....	644	6,414	18.5	110	476	94.1	195	2,304	81.2
40.0-41.9.....	956	10,730	32.0	35	136	98.4	83	1,104	94.9
42.0-44.9.....	2,255	26,293	64.8	4	40	99.7	32	395	99.9
45.0-46.9.....	1,385	16,828	85.9	2	9	100.0	-	-	99.9
47.0-48.9.....	714	8,194	96.1	-	-	100.0	1	12	100.0
49.0-50.9.....	193	2,178	98.9	-	-	100.0	-	-	100.0
51.0-52.9.....	66	708	99.8	-	-	100.0	-	-	100.0
53.0-54.9.....	13	125	99.9	-	-	100.0	-	-	100.0
55.0 or more...	11	68	100.0	-	-	100.0	-	-	100.0
Black									
Total.....	1,081	10,058	100.0	177	616	100.0	122	1,352	100.0
Less than 30.0..	9	63	0.6	2	4	0.7	2	36	2.6
30.0-31.9.....	10	49	1.1	6	15	3.2	3	31	5.0
32.0-33.9.....	54	290	4.0	38	131	24.5	8	102	12.5
34.0-35.9.....	118	772	11.7	65	243	63.9	33	315	35.8
36.0-37.9.....	132	1,036	22.0	47	163	90.3	36	418	66.7
38.0-39.9.....	133	1,227	34.2	17	53	98.9	26	303	89.1
40.0-41.9.....	155	1,580	49.9	2	6	100.0	11	109	97.2
42.0-44.9.....	245	2,757	77.3	-	-	100.0	2	27	99.1
45.0-46.9.....	134	1,364	90.9	-	-	100.0	-	-	99.1
47.0-48.9.....	64	657	97.4	-	-	100.0	1	12	100.0
49.0-50.9.....	19	198	99.4	-	-	100.0	-	-	100.0
51.0-52.9.....	6	49	99.9	-	-	100.0	-	-	100.0
53.0-54.9.....	1	7	99.9	-	-	100.0	-	-	100.0
55.0 or more...	1	8	100.0	-	-	100.0	-	-	100.0

See footnotes at end of table.

Table 24. Cumulative percent distribution of hematocrit of males 3-74 years, by age, race, and level of hematocrit: United States, 1976-80—Con.

Race and hematocrit in percent	Age								
	12-14 years			15-17 years			18-24 years		
	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent
All races²									
Total.....	485	5,750	100.0	528	6,250	100.0	974	13,055	100.0
Less than 30.0..	1	8	0.1	-	-	-	-	-	-
30.0-31.9.....	-	-	0.1	-	-	-	-	-	-
32.0-33.9.....	2	17	0.4	-	-	-	-	-	-
34.0-35.9.....	27	362	6.7	7	70	1.1	2	31	0.2
36.0-37.9.....	65	720	19.2	20	183	4.1	2	30	0.5
38.0-39.9.....	115	1,396	43.5	46	550	12.8	31	408	3.6
40.0-41.9.....	142	1,631	71.9	91	1,126	30.9	101	1,383	14.2
42.0-44.9.....	108	1,319	94.8	226	2,685	73.8	350	4,695	50.1
45.0-46.9.....	17	194	98.2	104	1,267	94.1	287	3,964	80.5
47.0-48.9.....	8	104	100.0	30	314	99.1	147	1,858	94.7
49.0-50.9.....	-	-	100.0	4	55	100.0	38	483	98.4
51.0-52.9.....	-	-	100.0	-	-	100.0	13	175	99.8
53.0-54.9.....	-	-	100.0	-	-	100.0	2	19	99.9
55.0 or more...	-	-	100.0	-	-	100.0	1	8	100.0
White									
Total.....	399	4,768	100.0	437	5,207	100.0	835	11,274	100.0
Less than 30.0..	-	-	-	-	-	-	-	-	-
30.0-31.9.....	-	-	-	-	-	-	-	-	-
32.0-33.9.....	-	-	-	-	-	-	-	-	-
34.0-35.9.....	23	290	6.1	2	15	0.3	1	16	0.1
36.0-37.9.....	45	515	16.9	14	106	2.3	1	17	0.3
38.0-39.9.....	95	1,159	41.2	35	439	10.7	22	277	2.8
40.0-41.9.....	124	1,432	71.2	76	967	29.3	83	1,155	13.0
42.0-44.9.....	90	1,108	94.4	197	2,328	74.0	300	4,028	48.7
45.0-46.9.....	14	161	97.8	87	1,079	94.7	252	3,518	79.9
47.0-48.9.....	8	104	100.0	23	229	99.1	132	1,692	94.9
49.0-50.9.....	-	-	100.0	3	45	100.0	30	389	98.4
51.0-52.9.....	-	-	100.0	-	-	100.0	12	165	99.9
53.0-54.9.....	-	-	100.0	-	-	100.0	1	8	99.9
55.0 or more...	-	-	100.0	-	-	100.0	1	8	100.0
Black									
Total.....	72	783	100.0	77	859	100.0	118	1,483	100.0
Less than 30.0..	1	8	1.1	-	-	-	-	-	-
30.0-31.9.....	-	-	1.1	-	-	-	-	-	-
32.0-33.9.....	2	17	3.2	-	-	-	-	-	-
34.0-35.9.....	4	72	12.4	5	55	6.4	1	16	1.1
36.0-37.9.....	19	194	37.2	6	77	15.4	1	13	1.9
38.0-39.9.....	16	164	58.1	11	111	28.3	8	108	9.2
40.0-41.9.....	13	147	76.9	13	142	44.8	16	204	22.9
42.0-44.9.....	15	166	98.1	21	241	72.9	45	594	63.0
45.0-46.9.....	2	15	100.0	16	181	94.0	28	359	87.2
47.0-48.9.....	-	-	100.0	4	42	98.9	13	129	95.8
49.0-50.9.....	-	-	100.0	1	10	100.0	5	51	99.3
51.0-52.9.....	-	-	100.0	-	-	100.0	1	10	100.0
53.0-54.9.....	-	-	100.0	-	-	100.0	-	-	100.0
55.0 or more...	-	-	100.0	-	-	100.0	-	-	100.0

See footnotes at end of table.

Table 24. Cumulative percent distribution of hematocrit of males 3-74 years, by age, race, and level of hematocrit: United States, 1976-80—Con.

Race and hematocrit in percent	Age								
	25-44 years			45-64 years			65-74 years		
	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent
All races²									
Total.....	1,795	27,038	100.0	1,905	20,613	100.0	1,189	6,259	100.0
Less than 30.0..	-	-	-	3	23	0.1	7	29	0.5
30.0-31.9.....	-	-	-	3	14	0.2	-	-	0.5
32.0-33.9.....	2	30	0.1	4	33	0.3	8	31	1.0
34.0-35.9.....	6	67	0.4	10	88	0.8	14	72	2.1
36.0-37.9.....	12	189	1.1	31	282	2.1	32	174	4.9
38.0-39.9.....	57	819	4.1	106	1,045	7.2	81	419	11.6
40.0-41.9.....	217	3,282	16.2	260	2,795	20.8	190	986	27.3
42.0-44.9.....	717	10,812	56.2	694	7,652	57.9	422	2,233	63.0
45.0-46.9.....	478	7,239	83.0	432	4,791	81.1	234	1,263	83.2
47.0-48.9.....	228	3,481	95.9	249	2,651	94.0	129	641	93.4
49.0-50.9.....	64	931	99.3	71	811	97.9	43	232	97.2
51.0-52.9.....	11	150	99.9	31	332	99.5	19	120	99.1
53.0-54.9.....	2	31	100.0	6	52	99.8	5	42	99.7
55.0 or more...	1	8	100.0	5	43	100.0	5	17	100.0
White									
Total.....	1,542	23,512	100.0	1,696	18,439	100.0	1,039	5,552	100.0
Less than 30.0..	-	-	-	2	19	0.1	4	18	0.3
30.0-31.9.....	-	-	-	2	12	0.2	-	-	0.3
32.0-33.9.....	1	13	0.1	3	24	0.3	4	18	0.6
34.0-35.9.....	4	49	0.3	6	51	0.6	9	51	1.6
36.0-37.9.....	5	118	0.8	21	206	1.7	26	151	4.3
38.0-39.9.....	39	580	3.2	86	859	6.3	62	320	10.1
40.0-41.9.....	182	2,755	15.0	219	2,348	19.1	154	834	25.1
42.0-44.9.....	628	9,547	55.6	615	6,782	55.9	389	2,065	62.3
45.0-46.9.....	419	6,469	83.1	403	4,460	80.1	208	1,132	82.7
47.0-48.9.....	200	3,075	96.2	231	2,488	93.5	119	594	93.4
49.0-50.9.....	54	760	99.4	68	782	97.8	38	201	97.0
51.0-52.9.....	9	121	99.9	29	313	99.5	16	109	99.0
53.0-54.9.....	1	23	100.0	6	52	99.8	5	42	99.7
55.0 or more...	-	-	100.0	5	43	100.0	5	17	100.0
Black									
Total.....	205	2,617	100.0	186	1,805	100.0	124	542	100.0
Less than 30.0..	-	-	-	1	4	0.2	3	11	2.0
30.0-31.9.....	-	-	-	1	2	0.4	-	-	2.0
32.0-33.9.....	1	17	0.6	1	9	0.9	4	14	4.5
34.0-35.9.....	2	18	1.3	4	37	2.9	4	17	7.7
36.0-37.9.....	7	71	4.0	10	76	7.1	6	23	11.9
38.0-39.9.....	18	239	13.2	19	159	16.0	18	90	28.6
40.0-41.9.....	30	439	30.0	38	405	38.4	32	129	52.4
42.0-44.9.....	69	894	64.1	69	730	78.8	24	105	71.8
45.0-46.9.....	45	503	83.4	25	226	91.4	18	79	86.5
47.0-48.9.....	23	321	95.6	14	115	97.8	9	38	93.4
49.0-50.9.....	7	89	99.0	2	21	98.9	4	28	98.5
51.0-52.9.....	1	11	99.4	2	20	100.0	2	8	100.0
53.0-54.9.....	1	7	99.7	-	-	100.0	-	-	100.0
55.0 or more...	1	8	100.0	-	-	100.0	-	-	100.0

¹ Does not include sample weights for missing values.

² Includes data for races not shown as separate categories.

Table 25. Cumulative percent distribution of hematocrit of females 3-74 years, by age, race, and level of hematocrit: United States, 1976-80

Race and hematocrit in percent	Age								
	3-74 years			3-5 years			6-11 years		
	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent
All races²									
Total.....	9,086	97,563	100.0	919	3,605	100.0	771	9,314	100.0
Less than 30.0..	26	294	0.3	2	12	0.3	-	-	-
30.0-31.9.....	54	453	0.8	21	72	2.3	-	-	-
32.0-33.9.....	259	2,267	3.1	115	453	14.9	37	465	5.0
34.0-35.9.....	865	7,690	11.0	309	1,254	49.6	126	1,435	20.4
36.0-37.9.....	1,639	17,350	28.8	270	1,051	78.8	251	2,903	51.6
38.0-39.9.....	2,292	25,669	55.1	149	553	94.1	223	2,845	82.1
40.0-41.9.....	2,067	23,391	79.0	41	167	98.8	101	1,225	95.3
42.0-44.9.....	1,473	16,421	95.9	10	40	99.9	31	425	99.8
45.0-46.9.....	320	3,262	99.2	2	4	100.0	2	15	100.0
47.0-48.9.....	66	482	99.7	-	-	100.0	-	-	100.0
49.0-50.9.....	18	211	99.9	-	-	100.0	-	-	100.0
51.0-52.9.....	1	22	99.9	-	-	100.0	-	-	100.0
53.0-54.9.....	3	19	100.0	-	-	100.0	-	-	100.0
55.0 or more...	3	32	100.0	-	-	100.0	-	-	100.0
White									
Total.....	7,704	83,874	100.0	736	2,945	100.0	622	7,784	100.0
Less than 30.0..	16	192	0.2	1	7	0.2	-	-	-
30.0-31.9.....	35	307	0.6	14	50	1.9	-	-	-
32.0-33.9.....	195	1,783	2.7	88	352	13.9	26	352	4.5
34.0-35.9.....	628	5,688	9.5	241	993	47.6	92	1,091	18.5
36.0-37.9.....	1,305	14,020	26.2	226	893	77.9	195	2,380	48.9
38.0-39.9.....	1,957	22,084	52.5	124	478	94.1	189	2,462	80.5
40.0-41.9.....	1,838	21,033	77.6	32	134	98.7	93	1,148	95.2
42.0-44.9.....	1,346	14,973	95.5	8	35	99.9	25	357	99.8
45.0-46.9.....	295	3,043	99.1	2	4	100.0	2	15	100.0
47.0-48.9.....	66	482	99.7	-	-	100.0	-	-	100.0
49.0-50.9.....	16	195	99.9	-	-	100.0	-	-	100.0
51.0-52.9.....	1	22	99.9	-	-	100.0	-	-	100.0
53.0-54.9.....	3	19	100.0	-	-	100.0	-	-	100.0
55.0 or more...	3	32	100.0	-	-	100.0	-	-	100.0
Black									
Total.....	1,216	11,488	100.0	164	565	100.0	135	1,368	100.0
Less than 30.0..	10	102	0.9	1	5	0.8	-	-	-
30.0-31.9.....	19	145	2.2	7	21	4.6	-	-	-
32.0-33.9.....	60	465	6.2	24	88	20.2	11	114	8.3
34.0-35.9.....	223	1,843	22.2	62	221	59.2	34	345	33.5
36.0-37.9.....	298	2,935	47.8	37	128	81.8	49	476	68.3
38.0-39.9.....	294	3,005	73.9	23	66	93.5	28	298	90.0
40.0-41.9.....	196	1,889	90.4	8	32	99.1	7	88	95.0
42.0-44.9.....	95	929	98.5	2	5	100.0	6	68	100.0
45.0-46.9.....	19	159	99.9	-	-	100.0	-	-	100.0
47.0-48.9.....	-	-	99.9	-	-	100.0	-	-	100.0
49.0-50.9.....	2	17	100.0	-	-	100.0	-	-	100.0
51.0-52.9.....	-	-	100.0	-	-	100.0	-	-	100.0
53.0-54.9.....	-	-	100.0	-	-	100.0	-	-	100.0
55.0 or more...	-	-	100.0	-	-	100.0	-	-	100.0

See footnotes at end of table.

Table 25. Cumulative percent distribution of hematocrit of females 3-74 years, by age, race, and level of hematocrit: United States, 1976-80—Con.

Race and hematocrit in percent	Age								
	12-14 years			15-17 years			18-24 years		
	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent
All races²									
Total.....	463	5,443	100.0	437	5,992	100.0	1,039	13,862	100.0
Less than 30.0..	-	-	-	-	-	-	5	67	0.5
30.0-31.9.....	2	14	0.3	4	52	0.9	6	76	1.0
32.0-33.9.....	7	110	2.3	10	123	2.9	22	296	3.2
34.0-35.9.....	39	446	10.5	31	384	9.3	64	846	9.3
36.0-37.9.....	94	1,106	30.8	79	991	25.9	202	2,659	28.5
38.0-39.9.....	165	1,850	64.8	133	1,862	56.9	254	3,380	52.8
40.0-41.9.....	110	1,385	90.2	108	1,565	83.1	284	3,904	81.0
42.0-44.9.....	45	524	99.9	61	873	97.6	178	2,303	97.6
45.0-46.9.....	1	7	100.0	11	142	100.0	21	305	99.8
47.0-48.9.....	-	-	100.0	-	-	100.0	2	18	99.9
49.0-50.9.....	-	-	100.0	-	-	100.0	1	8	100.0
51.0-52.9.....	-	-	100.0	-	-	100.0	-	-	100.0
53.0-54.9.....	-	-	100.0	-	-	100.0	-	-	100.0
55.0 or more...	-	-	100.0	-	-	100.0	-	-	100.0
White									
Total.....	372	4,555	100.0	361	5,068	100.0	872	11,682	100.0
Less than 30.0..	-	-	-	-	-	-	2	31	0.3
30.0-31.9.....	1	8	0.2	3	43	0.8	3	32	0.5
32.0-33.9.....	4	76	1.8	7	97	2.8	16	217	2.4
34.0-35.9.....	25	303	8.5	21	255	7.8	46	631	7.8
36.0-37.9.....	69	876	27.7	55	727	22.1	157	2,099	25.8
38.0-39.9.....	138	1,611	63.1	110	1,542	52.6	211	2,812	49.8
40.0-41.9.....	96	1,232	90.1	98	1,446	81.1	253	3,443	79.3
42.0-44.9.....	38	442	99.8	57	829	97.5	163	2,135	97.6
45.0-46.9.....	1	7	100.0	10	129	100.0	19	264	99.8
47.0-48.9.....	-	-	100.0	-	-	100.0	2	18	100.0
49.0-50.9.....	-	-	100.0	-	-	100.0	-	-	100.0
51.0-52.9.....	-	-	100.0	-	-	100.0	-	-	100.0
53.0-54.9.....	-	-	100.0	-	-	100.0	-	-	100.0
55.0 or more...	-	-	100.0	-	-	100.0	-	-	100.0
Black									
Total.....	84	777	100.0	69	810	100.0	141	1,806	100.0
Less than 30.0..	-	-	-	-	-	-	3	37	2.0
30.0-31.9.....	1	6	0.8	1	9	1.1	3	44	4.5
32.0-33.9.....	3	34	5.2	3	26	4.3	6	80	8.9
34.0-35.9.....	14	143	23.6	10	128	20.1	18	214	20.8
36.0-37.9.....	25	230	53.2	21	229	48.4	37	441	45.2
38.0-39.9.....	26	232	83.1	21	265	81.2	35	446	69.9
40.0-41.9.....	11	96	95.5	10	119	95.9	27	388	91.4
42.0-44.9.....	4	35	100.0	2	21	98.4	10	128	98.5
45.0-46.9.....	-	-	100.0	1	13	100.0	1	19	99.6
47.0-48.9.....	-	-	100.0	-	-	100.0	-	-	99.6
49.0-50.9.....	-	-	100.0	-	-	100.0	1	8	100.0
51.0-52.9.....	-	-	100.0	-	-	100.0	-	-	100.0
53.0-54.9.....	-	-	100.0	-	-	100.0	-	-	100.0
55.0 or more...	-	-	100.0	-	-	100.0	-	-	100.0

See footnotes at end of table.

Table 25. Cumulative percent distribution of hematocrit of females 3-74 years, by age, race, and level of hematocrit: United States, 1976-80—Con.

Race and hematocrit in percent	Age								
	25-44 years			45-64 years			65-74 years		
	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent
All races²									
Total.....	1,994	28,865	100.0	2,066	22,414	100.0	1,397	8,069	100.0
Less than 30.0..	9	112	0.4	4	66	0.3	6	38	0.5
30.0-31.9.....	11	104	0.7	7	114	0.8	3	22	0.7
32.0-33.9.....	37	569	2.7	19	192	1.7	12	58	1.5
34.0-35.9.....	148	2,054	9.8	88	925	5.8	60	347	5.8
36.0-37.9.....	322	4,704	26.1	250	2,948	18.9	171	988	18.0
38.0-39.9.....	542	7,905	53.5	519	5,586	43.9	307	1,687	38.9
40.0-41.9.....	507	7,385	79.1	517	5,337	67.7	399	2,422	68.9
42.0-44.9.....	339	4,965	96.3	475	5,389	91.7	334	1,903	92.5
45.0-46.9.....	71	968	99.7	138	1,405	98.0	74	417	97.7
47.0-48.9.....	7	84	99.9	33	245	99.1	24	134	99.3
49.0-50.9.....	1	16	100.0	11	152	99.8	5	35	99.8
51.0-52.9.....	-	-	100.0	1	22	99.9	-	-	99.8
53.0-54.9.....	-	-	100.0	2	11	99.9	1	8	99.9
55.0 or more...	-	-	100.0	2	22	100.0	1	10	100.0
White									
Total.....	1,710	24,856	100.0	1,801	19,760	100.0	1,230	7,223	100.0
Less than 30.0..	4	61	0.2	3	56	0.3	6	38	0.5
30.0-31.9.....	7	68	0.5	6	103	0.8	1	3	0.6
32.0-33.9.....	31	485	2.5	14	159	1.6	9	45	1.2
34.0-35.9.....	105	1,491	8.5	60	681	5.1	38	244	4.6
36.0-37.9.....	262	3,837	23.9	200	2,363	17.0	141	864	16.5
38.0-39.9.....	472	6,798	51.3	447	4,892	41.8	266	1,488	37.1
40.0-41.9.....	457	6,726	78.3	454	4,741	65.8	355	2,164	67.1
42.0-44.9.....	300	4,381	95.9	441	4,997	91.1	314	1,798	92.0
45.0-46.9.....	64	908	99.6	128	1,323	97.8	69	392	97.4
47.0-48.9.....	7	84	99.9	33	245	99.0	24	134	99.3
49.0-50.9.....	1	16	100.0	10	143	99.7	5	35	99.7
51.0-52.9.....	-	-	100.0	1	22	99.8	-	-	99.7
53.0-54.9.....	-	-	100.0	2	11	99.9	1	8	99.9
55.0 or more...	-	-	100.0	2	22	100.0	1	10	100.0
Black									
Total.....	244	3,314	100.0	231	2,138	100.0	148	710	100.0
Less than 30.0..	5	51	1.5	1	10	0.5	-	-	-
30.0-31.9.....	4	36	2.6	1	10	0.9	2	18	2.6
32.0-33.9.....	6	84	5.1	5	33	2.5	2	7	3.6
34.0-35.9.....	38	505	20.4	26	192	11.5	21	95 ¹	17.0
36.0-37.9.....	57	830	45.4	44	494	34.6	28	107	32.0
38.0-39.9.....	61	942	73.8	64	587	62.1	36	168	55.7
40.0-41.9.....	38	464	87.8	55	497	85.3	40	224	87.3
42.0-44.9.....	29	351	98.4	26	242	96.6	16	79	98.4
45.0-46.9.....	6	52	100.0	8	63	99.6	3	12	100.0
47.0-48.9.....	-	-	100.0	-	-	99.6	-	-	100.0
49.0-50.9.....	-	-	100.0	1	9	100.0	-	-	100.0
51.0-52.9.....	-	-	100.0	-	-	100.0	-	-	100.0
53.0-54.9.....	-	-	100.0	-	-	100.0	-	-	100.0
55.0 or more...	-	-	100.0	-	-	100.0	-	-	100.0

¹ Does not include sample weights for missing values.

² Includes data for races not shown as separate categories.

Table 26. Cumulative percent distribution of red blood cell count of males 3-74 years, by age, race, and level of red blood cell count: United States, 1976-80

Race and red blood cell count in number $\times 10^{12}$ per liter	Age								
	3-74 years			3-5 years			6-11 years		
	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent
All races ²									
Total.....	8,645	91,821	100.0	1,007	3,859	100.0	806	9,582	100.0
Less than 3.80..	82	587	0.6	14	41	1.1	13	131	1.4
3.80-3.99.....	157	1,125	1.9	60	217	6.7	30	373	5.3
4.00-4.19.....	400	2,840	5.0	172	597	22.2	75	809	13.7
4.20-4.39.....	742	6,228	11.7	236	882	45.0	143	1,673	31.2
4.40-4.59.....	1,145	10,688	23.4	249	986	70.6	193	2,300	55.2
4.60-4.79.....	1,507	16,410	41.3	154	620	86.6	160	1,898	75.0
4.80-4.99.....	1,513	17,281	60.1	68	291	94.1	112	1,364	89.2
5.00-5.19.....	1,378	16,315	77.8	37	149	98.0	51	686	96.4
5.20-5.39.....	895	10,460	89.2	13	55	99.4	20	232	98.8
5.40-5.59.....	507	6,233	96.0	3	16	99.9	5	77	99.6
5.60-5.79.....	203	2,331	98.6	1	5	100.0	4	39	100.0
5.80-5.99.....	74	838	99.5	-	-	100.0	-	-	100.0
6 or more.....	42	484	100.0	-	-	100.0	-	-	100.0
White									
Total.....	7,381	79,345	100.0	801	3,119	100.0	667	7,991	100.0
Less than 3.80..	55	390	0.5	9	28	0.9	10	101	1.3
3.80-3.99.....	114	811	1.5	44	166	6.2	21	264	4.6
4.00-4.19.....	312	2,205	4.3	138	489	21.9	59	626	12.4
4.20-4.39.....	578	4,875	10.4	176	672	43.4	118	1,362	29.4
4.40-4.59.....	956	9,021	21.8	207	827	70.0	163	1,945	53.8
4.60-4.79.....	1,301	14,305	39.8	128	510	86.3	139	1,673	74.7
4.80-4.99.....	1,342	15,242	59.0	58	254	94.4	89	1,098	88.5
5.00-5.19.....	1,229	14,571	77.4	30	123	98.4	46	644	96.5
5.20-5.39.....	795	9,462	89.3	8	31	99.4	15	182	98.8
5.40-5.59.....	438	5,476	96.2	2	14	99.8	5	77	99.8
5.60-5.79.....	173	1,985	98.7	1	5	100.0	2	19	100.0
5.80-5.99.....	56	611	99.5	-	-	100.0	-	-	100.0
6 or more.....	32	389	100.0	-	-	100.0	-	-	100.0
Black									
Total.....	1,064	9,933	100.0	172	594	100.0	118	1,309	100.0
Less than 3.80..	24	188	1.9	3	8	1.3	3	29	2.2
3.80-3.99.....	41	289	4.8	15	45	8.8	8	90	9.1
4.00-4.19.....	82	560	10.4	32	103	26.2	15	156	21.0
4.20-4.39.....	153	1,260	23.1	54	190	58.2	24	303	44.2
4.40-4.59.....	153	1,328	36.5	30	106	76.0	23	270	64.8
4.60-4.79.....	170	1,649	53.1	19	81	89.6	18	182	78.7
4.80-4.99.....	142	1,644	69.6	9	30	94.6	17	202	94.1
5.00-5.19.....	116	1,211	81.8	6	19	97.8	4	24	95.9
5.20-5.39.....	83	802	89.9	3	11	99.7	4	33	98.4
5.40-5.59.....	52	514	95.1	1	2	100.0	-	-	98.4
5.60-5.79.....	26	274	97.8	-	-	100.0	2	21	100.0
5.80-5.99.....	13	131	99.2	-	-	100.0	-	-	100.0
6 or more.....	9	83	100.0	-	-	100.0	-	-	100.0

See footnotes at end of table.

Table 26. Cumulative percent distribution of red blood cell count of males 3-74 years, by age, race, and level of red blood cell count: United States, 1976-80—Con.

Race and red blood cell count in number $\times 10^{12}$ per liter	Age								
	12-14 years			15-17 years			18-24 years		
	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent
All races²									
Total.....	482	5,727	100.0	523	6,165	100.0	968	12,950	100.0
Less than 3.80..	2	16	0.3	-	-	-	1	16	0.1
3.80-3.99.....	1	6	0.4	4	40	0.6	-	-	0.1
4.00-4.19.....	16	211	4.1	8	78	1.9	10	135	1.2
4.20-4.39.....	49	603	14.6	28	328	7.2	27	341	3.8
4.40-4.59.....	85	937	31.0	46	549	16.1	60	749	9.6
4.60-4.79.....	119	1,495	57.1	110	1,313	37.4	120	1,622	22.1
4.80-4.99.....	85	994	74.4	96	1,081	55.0	191	2,612	42.3
5.00-5.19.....	69	817	88.7	103	1,222	74.8	201	2,773	63.7
5.20-5.39.....	34	360	95.0	59	765	87.2	186	2,447	82.6
5.40-5.59.....	17	222	98.9	44	497	95.2	102	1,322	92.8
5.60-5.79.....	5	66	100.0	18	216	98.7	46	618	97.6
5.80-5.99.....	-	-	100.0	4	47	99.5	15	187	99.0
6 or more.....	-	-	100.0	3	31	100.0	9	128	100.0
White									
Total.....	398	4,761	100.0	433	5,131	100.0	829	11,169	100.0
Less than 3.80..	1	8	0.2	-	-	-	-	-	-
3.80-3.99.....	1	6	0.3	1	11	0.2	-	-	-
4.00-4.19.....	10	108	2.6	5	46	1.1	7	106	0.9
4.20-4.39.....	37	483	12.7	20	210	5.2	21	274	3.4
4.40-4.59.....	68	778	29.1	39	481	14.6	40	491	7.8
4.60-4.79.....	105	1,320	56.8	89	1,101	36.0	101	1,358	20.0
4.80-4.99.....	71	812	73.9	84	931	54.2	173	2,380	41.3
5.00-5.19.....	62	742	89.4	91	1,065	74.9	179	2,482	63.5
5.20-5.39.....	27	286	95.5	49	648	87.6	161	2,144	82.7
5.40-5.59.....	13	172	99.1	36	412	95.6	87	1,133	92.8
5.60-5.79.....	3	44	100.0	16	198	99.4	42	548	97.7
5.80-5.99.....	-	-	100.0	1	8	99.6	12	155	99.1
6 or more.....	-	-	100.0	2	20	100.0	6	99	100.0
Black									
Total.....	70	768	100.0	76	850	100.0	118	1,483	100.0
Less than 3.80..	1	8	1.1	-	-	-	1	16	1.1
3.80-3.99.....	-	-	1.1	3	29	3.4	-	-	1.1
4.00-4.19.....	6	103	14.5	3	32	7.1	3	29	3.0
4.20-4.39.....	10	99	27.4	7	92	17.9	6	67	7.6
4.40-4.59.....	16	148	46.6	7	68	25.9	16	217	22.2
4.60-4.79.....	11	136	64.3	19	195	48.8	16	209	36.3
4.80-4.99.....	9	97	77.0	11	142	65.5	18	232	52.0
5.00-5.19.....	4	32	81.1	9	105	77.8	18	238	68.0
5.20-5.39.....	7	74	90.7	8	103	90.0	21	254	85.1
5.40-5.59.....	4	50	97.2	4	37	94.3	10	101	92.0
5.60-5.79.....	2	22	100.0	2	19	96.5	4	70	96.7
5.80-5.99.....	-	-	100.0	2	19	98.8	3	32	98.8
6 or more.....	-	-	100.0	1	10	100.0	2	18	100.0

See footnotes at end of table.

Table 26. Cumulative percent distribution of red blood cell count of males 3-74 years, by age, race, and level of red blood cell count: United States, 1976-80-Con.

Race and red blood cell count in number $\times 10^{12}$ per liter	Age								
	25-44 years			45-64 years			65-74 years		
	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent
All races²									
Total.....	1,780	26,824	100.0	1,895	20,487	100.0	1,184	6,227	100.0
Less than 3.80..	4	55	0.2	19	176	0.9	29	152	2.4
3.80-3.99.....	11	131	0.7	26	236	2.0	25	122	4.4
4.00-4.19.....	23	322	1.9	43	422	4.1	53	267	8.7
4.20-4.39.....	53	782	4.8	123	1,171	9.8	83	448	15.9
4.40-4.59.....	136	2,088	12.6	222	2,274	20.9	154	806	28.8
4.60-4.79.....	284	4,373	28.9	343	3,927	40.1	217	1,163	47.5
4.80-4.99.....	400	6,072	51.5	368	3,829	58.8	193	1,039	64.2
5.00-5.19.....	398	5,882	73.5	335	3,795	77.3	184	990	80.1
5.20-5.39.....	237	3,531	86.6	217	2,421	89.1	129	649	90.5
5.40-5.59.....	146	2,292	95.2	122	1,486	96.3	68	322	95.7
5.60-5.79.....	51	787	98.1	47	438	98.5	31	162	98.3
5.80-5.99.....	28	396	99.6	18	154	99.2	9	54	99.2
6 or more.....	9	116	100.0	12	157	100.0	9	53	100.0
White									
Total.....	1,531	23,330	100.0	1,687	18,321	100.0	1,035	5,523	100.0
Less than 3.80..	1	13	0.1	12	113	0.6	22	127	2.3
3.80-3.99.....	5	80	0.4	20	181	1.6	22	103	4.2
4.00-4.19.....	18	276	1.6	35	356	3.5	40	199	7.7
4.20-4.39.....	34	518	3.8	102	956	8.8	70	401	15.0
4.40-4.59.....	113	1,751	11.3	191	2,029	19.8	135	718	28.0
4.60-4.79.....	247	3,823	27.7	303	3,490	38.9	189	1,031	46.7
4.80-4.99.....	354	5,356	50.7	335	3,459	57.8	178	952	63.9
5.00-5.19.....	348	5,190	72.9	308	3,425	76.5	165	901	80.2
5.20-5.39.....	218	3,313	87.1	202	2,264	88.8	115	594	91.0
5.40-5.59.....	128	2,032	95.8	109	1,359	96.2	58	277	96.0
5.60-5.79.....	40	633	98.5	42	395	98.4	27	144	98.6
5.80-5.99.....	19	260	99.6	17	150	99.2	7	38	99.3
6 or more.....	6	85	100.0	11	145	100.0	7	40	100.0
Black									
Total.....	202	2,594	100.0	185	1,797	100.0	123	538	100.0
Less than 3.80..	3	42	1.6	7	63	3.5	6	22	4.1
3.80-3.99.....	6	50	3.6	6	56	6.6	3	19	7.7
4.00-4.19.....	5	46	5.3	7	39	8.8	11	51	17.1
4.20-4.39.....	18	246	14.8	21	216	20.8	13	46	25.8
4.40-4.59.....	20	274	25.4	26	190	31.4	15	57	36.3
4.60-4.79.....	27	371	39.7	37	370	52.0	23	105	55.8
4.80-4.99.....	38	588	62.3	28	290	68.1	12	64	67.7
5.00-5.19.....	37	448	79.6	23	286	84.0	15	60	78.9
5.20-5.39.....	16	159	85.7	13	130	91.3	11	39	86.2
5.40-5.59.....	14	176	92.5	11	110	97.4	8	38	93.1
5.60-5.79.....	9	97	96.2	4	31	99.1	3	16	96.1
5.80-5.99.....	6	68	98.8	1	4	99.3	1	9	97.6
6 or more.....	3	30	100.0	1	12	100.0	2	13	100.0

¹ Does not include sample weights for missing values.

² Includes data for races not shown as separate categories.

Table 27. Cumulative percent distribution of red blood cell count of females 3-74 years, by age, race, and level of red blood cell count: United States, 1976-80

Race and red blood cell count in number X 10 ¹² per liter	Age								
	3-74 years			3-5 years			6-11 years		
	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent
All races²									
Total.....	9,014	96,668	100.0	915	3,588	100.0	762	9,177	100.0
Less than 3.80..	308	3,466	3.6	30	108	3.0	7	105	1.1
3.80-3.99.....	536	5,906	9.7	55	205	8.7	27	321	4.6
4.00-4.19.....	1,249	13,717	23.9	141	575	24.7	94	1,176	17.5
4.20-4.39.....	1,794	18,953	43.5	215	827	47.8	150	1,747	36.5
4.40-4.59.....	1,964	21,168	65.4	200	773	69.3	184	2,208	60.5
4.60-4.79.....	1,579	16,938	82.9	135	545	84.5	153	1,821	80.4
4.80-4.99.....	876	9,192	92.4	89	355	94.4	87	1,036	91.7
5.00-5.19.....	433	4,403	97.0	33	143	98.4	45	567	97.9
5.20-5.39.....	183	1,954	99.0	12	37	99.5	8	123	99.2
5.40-5.59.....	63	647	99.7	4	13	99.8	5	45	99.7
5.60-5.79.....	18	199	99.9	1	6	100.0	1	20	99.9
5.80-5.99.....	6	45	99.9	-	-	100.0	1	9	100.0
6 or more.....	5	80	100.0	-	-	100.0	-	-	100.0
White									
Total.....	7,658	83,254	100.0	734	2,934	100.0	617	7,690	100.0
Less than 3.80..	225	2,493	3.0	24	87	3.0	4	64	0.8
3.80-3.99.....	426	4,846	8.8	42	156	8.3	18	215	3.6
4.00-4.19.....	1,015	11,271	22.4	108	448	23.5	67	870	14.9
4.20-4.39.....	1,534	16,612	42.3	174	675	46.5	119	1,461	33.9
4.40-4.59.....	1,711	18,636	64.7	162	635	68.2	155	1,926	59.0
4.60-4.79.....	1,379	15,059	82.8	115	479	84.5	130	1,617	80.0
4.80-4.99.....	779	8,275	92.7	74	306	94.9	79	973	92.7
5.00-5.19.....	370	3,896	97.2	25	115	98.8	36	433	98.3
5.20-5.39.....	153	1,644	99.1	7	24	99.6	6	93	99.5
5.40-5.59.....	46	492	99.7	2	4	99.8	2	18	99.7
5.60-5.79.....	14	166	99.9	1	6	100.0	1	20	100.0
5.80-5.99.....	3	25	100.0	-	-	100.0	-	-	100.0
6 or more.....	3	39	100.0	-	-	100.0	-	-	100.0
Black									
Total.....	1,192	11,245	100.0	162	558	100.0	131	1,325	100.0
Less than 3.80..	79	917	8.2	6	21	3.7	3	41	3.1
3.80-3.99.....	102	946	16.6	12	41	11.1	9	106	11.1
4.00-4.19.....	206	2,118	35.4	27	99	28.9	26	294	33.3
4.20-4.39.....	233	2,037	53.5	39	141	54.0	27	253	52.4
4.40-4.59.....	227	2,150	72.6	36	121	75.8	26	249	71.1
4.60-4.79.....	166	1,430	85.4	17	54	85.4	20	164	83.5
4.80-4.99.....	80	715	91.7	12	40	92.6	7	55	87.7
5.00-5.19.....	51	530	96.4	7	27	97.3	7	99	95.1
5.20-5.39.....	25	201	98.2	5	13	99.7	2	29	97.3
5.40-5.59.....	16	148	99.5	1	2	100.0	3	27	99.3
5.60-5.79.....	3	25	99.7	-	-	100.0	-	-	99.3
5.80-5.99.....	3	20	99.9	-	-	100.0	1	9	100.0
6 or more.....	1	9	100.0	-	-	100.0	-	-	100.0

See footnotes at end of table.

Table 27. Cumulative percent distribution of red blood cell count of females 3-74 years, by age, race, and level of red blood cell count: United States, 1976-80—Con.

Race and red blood cell count in number $\times 10^{12}$ per liter	Age								
	12-14 years			15-17 years			18-24 years		
	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent
All races²									
Total.....	461	5,416	100.0	430	5,858	100.0	1,033	13,784	100.0
Less than 3.80 ..	9	95	1.7	11	118	2.0	53	698	5.1
3.80-3.99	18	226	5.9	21	223	5.8	57	692	10.1
4.00-4.19	47	493	15.0	60	745	18.5	159	2,139	25.6
4.20-4.39	97	1,166	36.6	86	1,177	38.6	205	2,913	46.7
4.40-4.59	112	1,293	60.4	93	1,279	60.5	246	3,251	70.3
4.60-4.79	95	1,131	81.3	83	1,201	81.0	181	2,387	87.6
4.80-4.99	52	655	93.4	50	708	93.1	69	847	93.8
5.00-5.19	24	241	97.9	22	325	98.6	40	565	97.9
5.20-5.39	5	94	99.6	3	70	99.8	13	156	99.0
5.40-5.59	2	22	100.0	1	12	100.0	6	89	99.7
5.60-5.79	-	-	100.0	-	-	100.0	3	34	99.9
5.80-5.99	-	-	100.0	-	-	100.0	1	13	100.0
6 or more.....	-	-	100.0	-	-	100.0	-	-	100.0
White									
Total.....	370	4,528	100.0	356	4,974	100.0	869	11,637	100.0
Less than 3.80 ..	5	58	1.3	7	80	1.6	34	463	4.0
3.80-3.99	13	159	4.8	13	152	4.7	40	531	8.5
4.00-4.19	35	394	13.5	50	635	17.4	131	1,719	23.3
4.20-4.39	78	1,000	35.6	67	929	36.1	179	2,547	45.2
4.40-4.59	89	1,074	59.3	79	1,091	58.0	219	2,856	69.7
4.60-4.79	79	970	80.7	73	1,085	79.9	157	2,123	88.0
4.80-4.99	44	569	93.3	42	615	92.2	61	733	94.3
5.00-5.19	22	221	98.2	21	305	98.3	33	481	98.4
5.20-5.39	4	66	99.6	3	70	99.8	9	98	99.3
5.40-5.59	1	17	100.0	1	12	100.0	3	47	99.7
5.60-5.79	-	-	100.0	-	-	100.0	2	26	99.9
5.80-5.99	-	-	100.0	-	-	100.0	1	13	100.0
6 or more.....	-	-	100.0	-	-	100.0	-	-	100.0
Black									
Total.....	84	777	100.0	68	794	100.0	138	1,773	100.0
Less than 3.80 ..	4	37	4.7	4	38	4.8	18	227	12.8
3.80-3.99	5	67	13.4	8	71	13.7	14	132	20.3
4.00-4.19	11	92	25.2	10	110	27.6	21	310	37.8
4.20-4.39	19	166	46.5	17	221	55.5	22	298	54.6
4.40-4.59	23	219	74.8	12	149	74.2	25	359	74.8
4.60-4.79	13	112	89.2	9	100	86.8	20	215	86.9
4.80-4.99	6	58	96.8	7	85	97.6	5	71	90.9
5.00-5.19	2	20	99.3	1	19	100.0	6	76	95.1
5.20-5.39	-	-	99.3	-	-	100.0	3	36	97.2
5.40-5.59	1	6	100.0	-	-	100.0	3	42	99.5
5.60-5.79	-	-	100.0	-	-	100.0	1	8	100.0
5.80-5.99	-	-	100.0	-	-	100.0	-	-	100.0
6 or more.....	-	-	100.0	-	-	100.0	-	-	100.0

See footnotes at end of table.

Table 27. Cumulative percent distribution of red blood cell count of females 3-74 years, by age, race, and level of red blood cell count: United States, 1976-80—Con.

Race and red blood cell count in number $\times 10^{12}$ per liter	Age								
	25-44 years			45-64 years			65-74 years		
	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent
All races²									
Total.....	1,980	28,822	100.0	2,051	22,254	100.0	1,382	7,970	100.0
Less than 3.80..	92	1,402	4.9	60	664	3.0	46	275	3.5
3.80-3.99.....	163	2,366	13.2	109	1,350	9.1	86	523	10.0
4.00-4.19.....	313	4,655	29.4	269	2,981	22.4	166	954	22.0
4.20-4.39.....	410	5,711	49.4	374	3,975	40.3	257	1,437	40.0
4.40-4.59.....	412	6,085	70.6	446	4,731	61.6	271	1,548	59.4
4.60-4.79.....	318	4,515	86.4	361	3,887	79.0	253	1,451	77.6
4.80-4.99.....	152	2,236	94.2	205	2,338	89.5	172	1,016	90.4
5.00-5.19.....	70	932	97.5	127	1,227	95.1	72	403	95.4
5.20-5.39.....	26	384	98.8	70	823	98.8	46	267	98.8
5.40-5.59.....	16	204	99.5	19	179	99.6	10	84	99.8
5.60-5.79.....	5	75	99.8	6	55	99.8	2	8	99.9
5.80-5.99.....	-	-	99.8	3	19	99.9	1	4	100.0
6 or more.....	3	55	100.0	2	25	100.0	-	-	100.0
White									
Total.....	1,701	24,894	100.0	1,791	19,647	100.0	1,220	7,149	100.0
Less than 3.80..	66	989	4.0	44	503	2.6	41	248	3.5
3.80-3.99.....	135	2,022	12.2	91	1,152	8.4	74	461	9.9
4.00-4.19.....	268	3,986	28.3	218	2,439	20.8	138	781	20.8
4.20-4.39.....	362	5,068	48.9	332	3,656	39.4	223	1,276	38.7
4.40-4.59.....	359	5,327	70.4	402	4,290	61.3	246	1,435	58.8
4.60-4.79.....	280	3,993	86.6	323	3,507	79.1	222	1,284	76.7
4.80-4.99.....	135	2,008	94.7	186	2,114	89.9	158	958	90.1
5.00-5.19.....	59	755	97.8	107	1,006	95.0	67	380	95.4
5.20-5.39.....	21	311	99.1	64	747	98.8	39	235	98.7
5.40-5.59.....	12	161	99.7	15	149	99.6	10	84	99.9
5.60-5.79.....	3	59	99.9	5	47	99.8	2	8	100.0
5.80-5.99.....	-	-	99.9	2	12	99.9	-	-	100.0
6 or more.....	1	14	100.0	2	25	100.0	-	-	100.0
Black									
Total.....	239	3,232	100.0	226	2,091	100.0	144	694	100.0
Less than 3.80..	25	391	12.1	14	135	6.4	5	27	3.9
3.80-3.99.....	27	335	22.5	15	130	12.7	12	62	12.8
4.00-4.19.....	38	562	39.8	47	492	36.2	26	160	35.9
4.20-4.39.....	47	615	58.9	35	240	47.7	27	103	50.8
4.40-4.59.....	41	587	77.1	40	362	65.0	24	104	65.8
4.60-4.79.....	30	351	87.9	32	300	79.4	25	133	84.9
4.80-4.99.....	13	159	92.8	17	198	88.8	13	50	92.0
5.00-5.19.....	7	112	96.3	17	159	96.4	4	19	94.8
5.20-5.39.....	4	52	97.9	4	39	98.3	7	31	99.4
5.40-5.59.....	4	42	99.2	4	29	99.7	-	-	99.4
5.60-5.79.....	2	16	99.7	-	-	99.7	-	-	99.4
5.80-5.99.....	-	-	99.7	1	7	100.0	1	4	100.0
6 or more.....	1	9	100.0	-	-	100.0	-	-	100.0

¹ Does not include sample weights for missing values.

² Includes data for races not shown as separate categories.

Table 28. Cumulative percent distribution of white blood cell count of males 3-74 years, by age, race, and level of white blood cell count: United States, 1976-80

Race and white blood cell count in number $\times 10^9$ per liter	Age								
	3-74 years			3-5 years			6-11 years		
	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent
All races²									
Total	8,651	91,925	100.0	1,006	3,865	100.0	805	9,568	100.0
Less than 3.0 . . .	9	88	0.1	-	-	-	-	-	-
3.0-3.9	134	1,389	1.6	11	37	0.9	14	152	1.6
4.0-4.9	658	7,299	9.5	58	228	6.9	68	758	9.5
5.0-5.9	1,539	16,837	27.9	156	616	22.8	149	1,776	28.1
6.0-6.9	1,841	18,883	48.4	220	821	44.0	168	2,033	49.3
7.0-7.9	1,645	16,945	66.8	205	796	64.6	150	1,798	68.1
8.0-8.9	1,258	13,392	81.4	138	519	78.1	126	1,393	82.7
9.0-9.9	785	8,644	90.8	96	391	88.2	64	795	91.0
10.0-11.9	534	5,988	97.3	76	274	95.3	56	755	98.9
12.0-13.9	180	1,879	99.4	26	112	98.2	9	100	99.9
14.0-15.9	53	460	99.9	15	54	99.6	1	8	100.0
16.0-17.9	10	98	100.0	2	9	99.8	-	-	100.0
18.0-19.9	4	22	100.0	2	5	99.9	-	-	100.0
20 or more	1	2	100.0	1	2	100.0	-	-	100.0
White									
Total	7,393	79,506	100.0	802	3,129	100.0	669	8,009	100.0
Less than 3.0 . . .	4	51	0.1	-	-	-	-	-	-
3.0-3.9	72	816	1.1	4	17	0.5	11	127	1.6
4.0-4.9	478	5,456	8.0	41	172	6.0	42	500	7.8
5.0-5.9	1,241	13,688	25.2	120	481	21.4	118	1,385	25.1
6.0-6.9	1,596	16,628	46.1	174	644	42.0	145	1,793	47.5
7.0-7.9	1,464	15,252	65.3	171	679	63.7	125	1,529	66.6
8.0-8.9	1,119	12,009	80.4	109	410	76.8	110	1,198	81.6
9.0-9.9	714	7,910	90.3	81	337	87.6	56	678	90.0
10.0-11.9	483	5,459	97.2	65	238	95.2	53	702	98.8
12.0-13.9	161	1,703	99.3	19	85	97.9	8	88	99.9
14.0-15.9	49	436	99.9	14	52	99.6	1	8	100.0
16.0-17.9	8	75	100.0	2	9	99.8	-	-	100.0
18.0-19.9	4	22	100.0	2	5	100.0	-	-	100.0
20 or more	-	-	100.0	-	-	100.0	-	-	100.0
Black									
Total	1,058	9,875	100.0	170	590	100.0	115	1,278	100.0
Less than 3.0 . . .	4	29	0.3	-	-	-	-	-	-
3.0-3.9	58	515	5.5	6	18	3.0	3	25	2.0
4.0-4.9	165	1,588	21.6	14	45	10.6	25	250	21.6
5.0-5.9	259	2,614	48.1	33	120	30.9	27	338	48.1
6.0-6.9	210	1,798	66.3	43	161	58.2	19	165	61.0
7.0-7.9	143	1,254	79.0	30	102	75.6	20	220	78.2
8.0-8.9	108	1,025	89.4	20	66	86.8	13	164	91.1
9.0-9.9	53	510	94.5	9	32	92.2	6	91	98.2
10.0-11.9	37	358	98.1	8	24	96.3	1	10	99.0
12.0-13.9	14	134	99.5	5	17	99.2	1	13	100.0
14.0-15.9	4	24	99.7	1	2	99.6	-	-	100.0
16.0-17.9	2	23	100.0	-	-	99.6	-	-	100.0
18.0-19.9	-	-	100.0	-	-	99.6	-	-	100.0
20 or more	1	2	100.0	1	2	100.0	-	-	100.0

See footnotes at end of table.

Table 28. Cumulative percent distribution of white blood cell count of males 3-74 years, by age, race, and level of white blood cell count: United States, 1976-80—Con.

Race and white blood cell count in number $\times 10^9$ per liter	Age								
	12-14 years			15-17 years			18-24 years		
	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent
All races²									
Total.....	480	5,675	100.0	524	6,187	100.0	969	12,981	100.0
Less than 3.0. . .	1	8	0.1	-	-	-	-	-	-
3.0-3.9	6	84	1.6	6	79	1.3	11	122	0.9
4.0-4.9	44	539	11.1	46	539	10.0	60	819	7.2
5.0-5.9	112	1,384	35.5	96	1,139	28.4	162	2,295	24.9
6.0-6.9	102	1,204	56.7	106	1,243	48.5	197	2,616	45.1
7.0-7.9	102	1,168	77.3	95	1,157	67.2	198	2,599	65.1
8.0-8.9	49	576	87.4	74	855	81.0	157	1,997	80.5
9.0-9.9	36	412	94.7	62	742	93.0	98	1,395	91.2
10.0-11.9	18	197	98.2	29	321	98.2	64	850	97.8
12.0-13.9	9	92	99.8	7	66	99.2	13	188	99.2
14.0-15.9	1	12	100.0	3	47	100.0	9	100	100.0
16.0-17.9	-	-	100.0	-	-	100.0	-	-	100.0
18.0-19.9	-	-	100.0	-	-	100.0	-	-	100.0
20 or more.	-	-	100.0	-	-	100.0	-	-	100.0
White									
Total.....	397	4,730	100.0	434	5,153	100.0	830	11,200	100.0
Less than 3.0. . .	1	8	0.2	-	-	-	-	-	-
3.0-3.9	2	32	0.9	4	57	1.1	4	62	0.6
4.0-4.9	32	417	9.7	22	251	6.0	48	651	6.4
5.0-5.9	82	1,059	32.1	75	894	23.3	131	1,846	22.8
6.0-6.9	86	996	53.1	92	1,106	44.8	164	2,200	42.5
7.0-7.9	91	1,049	75.3	81	995	64.1	180	2,369	63.6
8.0-8.9	42	495	85.8	69	808	79.8	140	1,793	79.7
9.0-9.9	35	389	94.0	57	682	93.0	89	1,281	91.1
10.0-11.9	17	189	98.0	25	253	97.9	54	730	97.6
12.0-13.9	8	84	99.8	6	60	99.1	12	178	99.2
14.0-15.9	1	12	100.0	3	47	100.0	8	89	100.0
16.0-17.9	-	-	100.0	-	-	100.0	-	-	100.0
18.0-19.9	-	-	100.0	-	-	100.0	-	-	100.0
20 or more.	-	-	100.0	-	-	100.0	-	-	100.0
Black									
Total.....	69	746	100.0	76	850	100.0	118	1,483	100.0
Less than 3.0. . .	-	-	-	-	-	-	-	-	-
3.0-3.9	4	51	6.9	2	21	2.5	7	60	4.0
4.0-4.9	10	87	18.6	23	269	34.1	11	161	14.9
5.0-5.9	27	297	58.3	17	183	55.7	26	380	40.5
6.0-6.9	13	153	78.8	12	114	69.1	31	383	66.3
7.0-7.9	6	57	86.4	10	121	83.3	12	131	75.2
8.0-8.9	6	62	94.8	5	47	88.9	13	163	86.1
9.0-9.9	1	23	97.8	3	27	92.0	8	95	92.6
10.0-11.9	1	8	98.9	4	68	100.0	8	89	98.6
12.0-13.9	1	8	100.0	-	-	100.0	1	10	99.2
14.0-15.9	-	-	100.0	-	-	100.0	1	12	100.0
16.0-17.9	-	-	100.0	-	-	100.0	-	-	100.0
18.0-19.9	-	-	100.0	-	-	100.0	-	-	100.0
20 or more.	-	-	100.0	-	-	100.0	-	-	100.0

See footnotes at end of table.

Table 28. Cumulative percent distribution of white blood cell count of males 3-74 years, by age, race, and level of white blood cell count: United States, 1976-80—Con.

Race and white blood cell count in number X 10 ⁹ per liter	Age								
	25-44 years			45-64 years			65-74 years		
	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent
All races²									
Total.....	1,783	26,885	100.0	1,897	20,518	100.0	1,187	6,246	100.0
Less than 3.0...	4	55	0.2	2	17	0.1	2	8	0.1
3.0-3.9.....	34	518	2.1	28	267	1.4	24	132	2.2
4.0-4.9.....	153	2,465	11.3	129	1,432	8.4	100	519	10.5
5.0-5.9.....	328	5,080	30.2	315	3,413	25.0	221	1,136	28.7
6.0-6.9.....	343	5,190	49.5	431	4,336	46.1	274	1,439	51.8
7.0-7.9.....	300	4,481	66.2	365	3,761	64.5	230	1,186	70.8
8.0-8.9.....	267	4,035	81.2	283	3,151	79.8	164	866	84.6
9.0-9.9.....	161	2,325	89.8	168	2,038	89.7	100	545	93.3
10.0-11.9.....	128	1,884	96.8	117	1,438	96.8	46	269	97.7
12.0-13.9.....	51	673	99.3	45	536	99.4	20	112	99.4
14.0-15.9.....	10	135	99.8	10	83	99.8	4	20	99.8
16.0-17.9.....	3	33	100.0	3	42	100.0	2	14	100.0
18.0-19.9.....	1	13	100.0	1	4	100.0	-	-	100.0
20 or more.....	-	-	100.0	-	-	100.0	-	-	100.0
White									
Total.....	1,534	23,390	100.0	1,689	18,352	100.0	1,038	5,542	100.0
Less than 3.0...	2	39	0.2	-	-	-	1	4	0.1
3.0-3.9.....	16	266	1.3	20	182	1.0	11	73	1.4
4.0-4.9.....	117	1,930	9.6	101	1,135	7.2	75	401	8.6
5.0-5.9.....	264	4,221	27.6	265	2,830	22.6	186	972	26.2
6.0-6.9.....	307	4,732	47.8	379	3,838	43.5	249	1,319	50.0
7.0-7.9.....	271	4,061	65.2	339	3,496	62.6	206	1,074	69.3
8.0-8.9.....	237	3,524	80.3	264	2,993	78.9	148	788	83.6
9.0-9.9.....	143	2,117	89.3	155	1,890	89.2	98	537	93.2
10.0-11.9.....	118	1,725	96.7	111	1,380	96.7	40	242	97.6
12.0-13.9.....	45	597	99.2	43	500	99.4	20	112	99.6
14.0-15.9.....	10	135	99.8	9	77	99.8	3	16	99.9
16.0-17.9.....	3	33	99.9	2	28	100.0	1	5	100.0
18.0-19.9.....	1	13	100.0	1	4	100.0	-	-	100.0
20 or more.....	-	-	100.0	-	-	100.0	-	-	100.0
Black									
Total.....	202	2,594	100.0	185	1,797	100.0	123	538	100.0
Less than 3.0...	2	17	0.6	1	8	0.5	1	4	0.7
3.0-3.9.....	17	228	9.4	7	62	3.9	12	50	10.0
4.0-4.9.....	32	442	26.5	25	216	15.9	25	117	31.9
5.0-5.9.....	53	621	50.4	46	540	46.0	30	135	56.9
6.0-6.9.....	28	330	63.1	47	418	69.2	17	74	70.7
7.0-7.9.....	24	326	75.7	23	228	81.9	18	69	83.6
8.0-8.9.....	22	339	88.8	17	131	89.2	12	53	93.4
9.0-9.9.....	14	146	94.4	10	88	94.1	2	8	94.9
10.0-11.9.....	6	95	98.1	5	50	96.9	4	14	97.5
12.0-13.9.....	4	50	100.0	2	36	98.9	-	-	97.5
14.0-15.9.....	-	-	100.0	1	6	99.2	1	4	98.3
16.0-17.9.....	-	-	100.0	1	14	100.0	1	9	100.0
18.0-19.9.....	-	-	100.0	-	-	100.0	-	-	100.0
20 or more.....	-	-	100.0	-	-	100.0	-	-	100.0

¹ Does not include sample weights for missing values.

² Includes data for races not shown as separate categories.

Table 29. Cumulative percent distribution of white blood cell count of females 3-74 years, by age, race, and level of white blood cell count: United States, 1976-80

Race and white blood cell count in number $\times 10^9$ per liter	Age								
	3-74 years			3-5 years			6-11 years		
	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent
All races²									
Total.....	9,023	96,808	100.0	916	3,596	100.0	764	9,244	100.0
Less than 3.0...	15	144	0.1	1	4	0.1	1	20	0.2
3.0-3.9.....	158	1,805	2.0	5	20	0.7	5	75	1.0
4.0-4.9.....	778	7,964	10.2	49	205	6.4	54	623	7.8
5.0-5.9.....	1,694	18,012	28.8	119	490	20.0	137	1,596	25.0
6.0-6.9.....	1,935	20,506	50.0	167	633	37.6	158	1,918	45.8
7.0-7.9.....	1,655	18,112	68.7	187	725	57.7	160	2,042	67.9
8.0-8.9.....	1,265	13,850	83.0	140	540	72.7	122	1,448	83.5
9.0-9.9.....	744	7,999	91.3	109	431	84.7	67	762	91.8
10.0-11.9.....	513	5,518	97.0	92	349	94.4	45	563	97.9
12.0-13.9.....	190	2,143	99.2	32	141	98.4	12	152	99.5
14.0-15.9.....	50	543	99.8	10	43	99.6	1	18	99.7
16.0-17.9.....	14	116	99.9	3	9	99.8	-	-	99.7
18.0-19.9.....	3	26	99.9	1	3	99.9	-	-	99.7
20 or more.....	9	70	100.0	1	3	100.0	2	27	100.0
White									
Total.....	7,670	83,407	100.0	736	2,945	100.0	619	7,757	100.0
Less than 3.0...	11	103	0.1	1	4	0.1	-	-	-
3.0-3.9.....	107	1,193	1.6	2	9	0.5	3	57	0.7
4.0-4.9.....	611	6,328	9.1	31	140	5.2	38	458	6.6
5.0-5.9.....	1,380	15,009	27.1	82	357	17.3	102	1,270	23.0
6.0-6.9.....	1,632	17,581	48.2	131	492	34.0	129	1,636	44.1
7.0-7.9.....	1,443	15,947	67.3	160	631	55.5	133	1,760	66.8
8.0-8.9.....	1,127	12,464	82.3	119	464	71.2	109	1,319	83.8
9.0-9.9.....	654	7,137	90.8	94	383	84.2	51	590	91.4
10.0-11.9.....	462	4,945	96.8	77	294	94.2	40	476	97.5
12.0-13.9.....	173	1,981	99.1	26	118	98.2	11	146	99.4
14.0-15.9.....	48	531	99.8	9	40	99.6	1	18	99.7
16.0-17.9.....	12	104	99.9	3	9	99.9	-	-	99.7
18.0-19.9.....	1	15	99.9	-	-	99.9	-	-	99.7
20 or more.....	9	70	100.0	1	3	100.0	2	27	100.0
Black									
Total.....	1,189	11,233	100.0	161	556	100.0	131	1,325	100.0
Less than 3.0...	4	41	0.4	-	-	-	1	20	1.5
3.0-3.9.....	50	585	5.6	3	11	1.9	2	18	2.9
4.0-4.9.....	158	1,515	19.1	17	60	12.7	16	165	15.3
5.0-5.9.....	284	2,647	42.6	35	124	35.0	35	325	39.9
6.0-6.9.....	263	2,389	63.9	34	135	59.2	27	263	59.8
7.0-7.9.....	181	1,789	79.8	25	85	74.5	23	238	77.7
8.0-8.9.....	111	944	88.2	17	51	83.6	12	113	86.2
9.0-9.9.....	75	707	94.5	11	33	89.7	11	125	95.7
10.0-11.9.....	42	430	98.4	12	33	95.6	3	51	99.5
12.0-13.9.....	16	157	99.7	5	18	98.9	1	6	100.0
14.0-15.9.....	2	12	99.9	1	3	99.4	-	-	100.0
16.0-17.9.....	2	13	100.0	-	-	99.4	-	-	100.0
18.0-19.9.....	1	3	100.0	1	3	100.0	-	-	100.0
20 or more.....	-	-	100.0	-	-	100.0	-	-	100.0

See footnotes at end of table.

Table 29. Cumulative percent distribution of white blood cell count of females 3-74 years, by age, race, and level of white blood cell count: United States, 1976-80—Con.

Race and white blood cell count in number X 10 ⁹ per liter	Age								
	12-14 years			15-17 years			18-24 years		
	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent
All races²									
Total.....	461	5,416	100.0	432	5,898	100.0	1,033	13,784	100.0
Less than 3.0. . .	-	-	-	-	-	-	1	10	0.1
3.0-3.9	9	105	1.9	5	50	0.9	9	134	1.0
4.0-4.9	35	420	9.7	20	243	5.0	58	768	6.6
5.0-5.9	91	1,089	29.8	71	988	21.7	168	2,213	22.7
6.0-6.9	113	1,257	53.0	85	1,123	40.8	212	2,848	43.3
7.0-7.9	77	977	71.1	79	1,050	58.6	210	2,887	64.3
8.0-8.9	59	659	83.2	78	1,093	77.1	169	2,238	80.5
9.0-9.9	43	473	92.0	49	683	88.7	105	1,395	90.6
10.0-11.9	20	268	96.9	29	416	95.7	71	911	97.2
12.0-13.9	10	124	99.2	11	185	98.9	19	259	99.1
14.0-15.9	3	28	99.7	4	58	99.9	5	60	99.5
16.0-17.9	-	-	99.7	1	9	100.0	5	55	99.9
18.0-19.9	1	15	100.0	-	-	100.0	1	8	100.0
20 or more. . . .	-	-	100.0	-	-	100.0	-	-	100.0
White									
Total.....	370	4,528	100.0	358	5,015	100.0	869	11,637	100.0
Less than 3.0. . .	-	-	-	-	-	-	-	-	-
3.0-3.9	3	46	1.0	-	-	-	6	86	0.7
4.0-4.9	20	250	6.6	11	137	2.7	43	548	5.4
5.0-5.9	69	897	26.4	49	706	16.8	135	1,792	20.8
6.0-6.9	88	1,028	49.1	77	1,044	37.6	177	2,393	41.4
7.0-7.9	70	911	69.2	65	879	55.2	180	2,493	62.8
8.0-8.9	51	552	81.4	70	1,019	75.5	144	1,914	79.3
9.0-9.9	37	422	90.7	44	613	87.7	94	1,250	90.0
10.0-11.9	19	260	96.4	27	377	95.2	64	816	97.0
12.0-13.9	9	118	99.1	10	172	98.7	17	241	99.1
14.0-15.9	3	28	99.7	4	58	99.8	5	60	99.6
16.0-17.9	-	-	99.7	1	9	100.0	4	45	100.0
18.0-19.9	1	15	100.0	-	-	100.0	-	-	100.0
20 or more. . . .	-	-	100.0	-	-	100.0	-	-	100.0
Black									
Total.....	84	777	100.0	68	794	100.0	138	1,773	100.0
Less than 3.0. . .	-	-	-	-	-	-	1	10	0.5
3.0-3.9	6	59	7.6	5	50	6.4	3	48	3.3
4.0-4.9	14	150	26.9	9	106	19.7	15	220	15.7
5.0-5.9	20	175	49.4	21	250	51.2	28	342	35.0
6.0-6.9	24	210	76.4	8	79	61.2	27	341	54.2
7.0-7.9	6	47	82.5	11	139	78.7	26	344	73.6
8.0-8.9	7	79	92.6	7	67	87.1	19	225	86.3
9.0-9.9	5	44	98.3	4	51	93.6	9	121	93.1
10.0-11.9	1	7	99.3	2	38	98.4	7	95	98.5
12.0-13.9	1	6	100.0	1	13	100.0	2	17	99.4
14.0-15.9	-	-	100.0	-	-	100.0	-	-	99.4
16.0-17.9	-	-	100.0	-	-	100.0	1	10	100.0
18.0-19.9	-	-	100.0	-	-	100.0	-	-	100.0
20 or more. . . .	-	-	100.0	-	-	100.0	-	-	100.0

See footnotes at end of table.

Table 29. Cumulative percent distribution of white blood cell count of females 3-74 years, by age, race, and level of white blood cell count: United States, 1976-80—Con.

Race and white blood cell count in number $\times 10^9$ per liter	Age								
	25-44 years			45-64 years			65-74 years		
	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent
All races²									
Total.....	1,981	28,650	100.0	2,051	22,223	100.0	1,385	7,997	100.0
Less than 3.0...	3	29	0.1	4	53	0.2	5	28	0.3
3.0-3.9.....	45	648	2.4	55	584	2.9	25	188	2.7
4.0-4.9.....	173	2,315	10.4	236	2,499	14.1	153	891	13.8
5.0-5.9.....	356	5,212	28.6	451	4,735	35.4	301	1,688	35.0
6.0-6.9.....	419	6,153	50.1	429	4,556	55.9	352	2,019	60.2
7.0-7.9.....	352	5,230	68.4	358	3,847	73.2	232	1,354	77.1
8.0-8.9.....	272	3,848	81.8	253	2,993	86.7	172	1,031	90.0
9.0-9.9.....	170	2,452	90.4	128	1,394	93.0	73	408	95.1
10.0-11.9....	120	1,766	96.5	93	1,028	97.6	43	218	97.9
12.0-13.9....	56	815	99.4	30	347	99.2	20	120	99.4
14.0-15.9....	13	161	99.9	11	157	99.9	3	17	99.6
16.0-17.9....	2	21	100.0	2	19	100.0	1	3	99.6
18.0-19.9....	-	-	100.0	-	-	100.0	-	-	99.6
20 or more....	-	-	100.0	1	9	100.0	5	31	100.0
White									
Total.....	1,703	24,732	100.0	1,791	19,612	100.0	1,224	7,181	100.0
Less than 3.0...	3	29	0.1	4	53	0.3	3	17	0.2
3.0-3.9.....	33	469	2.0	42	415	2.4	18	111	1.8
4.0-4.9.....	140	1,883	9.6	204	2,172	13.5	124	739	12.1
5.0-5.9.....	297	4,337	27.2	386	4,152	34.6	260	1,496	32.9
6.0-6.9.....	356	5,244	48.4	367	3,944	54.7	307	1,800	58.0
7.0-7.9.....	308	4,613	67.0	313	3,384	72.0	214	1,275	75.7
8.0-8.9.....	245	3,456	81.0	231	2,772	86.1	158	969	89.2
9.0-9.9.....	149	2,211	89.9	114	1,267	92.6	71	400	94.8
10.0-11.9....	106	1,585	96.3	88	930	97.3	41	207	97.7
12.0-13.9....	52	732	99.3	29	339	99.1	19	116	99.3
14.0-15.9....	12	152	99.9	11	157	99.9	3	17	99.5
16.0-17.9....	2	21	100.0	1	17	100.0	1	3	99.6
18.0-19.9....	-	-	100.0	-	-	100.0	-	-	99.6
20 or more....	-	-	100.0	1	9	100.0	5	31	100.0
Black									
Total.....	238	3,223	100.0	226	2,095	100.0	143	690	100.0
Less than 3.0...	-	-	-	-	-	-	2	11	1.6
3.0-3.9.....	12	179	5.6	12	143	6.8	7	77	12.8
4.0-4.9.....	31	416	18.5	29	260	19.2	27	139	32.9
5.0-5.9.....	52	763	42.1	56	500	43.1	37	166	57.0
6.0-6.9.....	54	728	64.7	54	488	66.4	35	146	78.1
7.0-7.9.....	35	480	79.6	39	390	85.0	16	65	87.6
8.0-8.9.....	19	236	86.9	16	113	90.4	14	62	96.5
9.0-9.9.....	19	196	93.0	14	127	96.5	2	8	97.7
10.0-11.9....	11	132	97.1	4	62	99.4	2	12	99.4
12.0-13.9....	4	84	99.7	1	9	99.9	1	4	100.0
14.0-15.9....	1	9	100.0	-	-	99.9	-	-	100.0
16.0-17.9....	-	-	100.0	1	3	100.0	-	-	100.0
18.0-19.9....	-	-	100.0	-	-	100.0	-	-	100.0
20 or more....	-	-	100.0	-	-	100.0	-	-	100.0

¹ Does not include sample weights for missing values.

² Includes data for races not shown as separate categories.

Table 30. Cumulative percent distribution of mean corpuscular volume of males 3-74 years, by age, race, and level of mean corpuscular volume: United States, 1976-80

Race and mean corpuscular volume in femtoliters	Age								
	3-74 years			3-5 years			6-11 years		
	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent
All races²									
Total.....	8,630	91,661	100.0	1,007	3,859	100.0	805	9,576	100.0
Less than 65.0..	9	93	0.1	2	7	0.2	1	9	0.1
65.0-69.9.....	34	292	0.4	12	51	1.5	7	88	1.0
70.0-74.9.....	112	729	1.2	70	269	8.5	18	232	3.4
75.0-79.9.....	764	6,348	8.1	337	1,261	41.1	196	2,382	28.3
80.0-84.9.....	1,990	20,736	30.8	410	1,624	83.2	365	4,304	73.3
85.0-89.9.....	2,785	31,445	65.1	143	533	97.0	157	1,825	92.3
90.0-94.9.....	2,049	22,799	89.9	29	97	99.5	48	596	98.5
95.0-99.9.....	692	7,072	97.7	4	18	100.0	12	133	99.9
100.0-104.9...	156	1,575	99.4	-	-	100.0	-	-	99.9
105.0 or more..	59	575	100.0	-	-	100.0	1	8	100.0
White									
Total.....	7,367	79,199	100.0	801	3,119	100.0	666	7,985	100.0
Less than 65.0..	5	63	0.1	1	5	0.2	-	-	-
65.0-69.9.....	21	157	0.3	9	36	1.3	3	35	0.4
70.0-74.9.....	79	489	0.9	56	207	8.0	12	174	2.6
75.0-79.9.....	590	5,054	7.3	282	1,015	40.5	158	1,939	26.9
80.0-84.9.....	1,689	17,868	29.8	333	1,314	82.6	306	3,647	72.6
85.0-89.9.....	2,406	27,645	64.7	114	445	98.9	133	1,554	92.0
90.0-94.9.....	1,794	19,917	89.9	23	80	99.5	43	529	98.7
95.0-99.9.....	603	6,161	97.7	3	16	100.0	10	100	99.9
100.0-104.9...	133	1,387	99.4	-	-	100.0	-	-	99.9
105.0 or more..	47	458	100.0	-	-	100.0	1	8	100.0
Black									
Total.....	1,063	9,919	100.0	172	594	100.0	118	1,309	100.0
Less than 65.0..	3	21	0.2	1	2	0.3	1	9	0.7
65.0-69.9.....	13	135	1.6	3	14	2.7	4	54	4.8
70.0-74.9.....	28	182	3.4	11	45	10.3	5	41	7.9
75.0-79.9.....	152	1,041	13.9	66	206	45.0	30	332	33.2
80.0-84.9.....	250	2,356	37.6	59	234	84.4	50	558	75.8
85.0-89.9.....	302	2,988	67.8	26	76	97.2	21	217	92.4
90.0-94.9.....	208	2,214	90.1	6	17	100.0	5	67	97.5
95.0-99.9.....	74	695	97.1	-	-	100.0	2	3	100.0
100.0-104.9...	21	170	98.8	-	-	100.0	-	-	100.0
105.0 or more..	12	117	100.0	-	-	100.0	-	-	100.0

See footnotes at end of table.

Table 30. Cumulative percent distribution of mean corpuscular volume of males 3–74 years, by age, race, and level of mean corpuscular volume: United States, 1976–80—Con.

Race and mean corpuscular volume in femtoliters	Age								
	12–14 years			15–17 years			18–24 years		
	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent
All races²									
Total.....	482	5,727	100.0	522	6,153	100.0	967	12,936	100.0
Less than 65.0..	-	-	-	1	10	0.2	1	32	0.2
65.0–69.9	2	20	0.4	1	8	0.3	2	21	0.4
70.0–74.9	6	61	1.4	2	14	0.5	2	27	0.6
75.0–79.9	69	787	15.2	27	332	5.9	27	347	3.3
80.0–84.9	203	2,490	58.6	156	1,866	36.2	200	2,666	23.9
85.0–89.9	153	1,810	90.2	209	2,496	76.8	410	5,603	67.2
90.0–94.9	42	474	98.5	109	1,235	96.9	248	3,307	92.8
95.0–99.9	6	78	99.9	15	173	99.7	64	745	98.5
100.0–104.9...	-	-	99.9	1	11	99.8	9	126	99.5
105.0 or more ..	1	8	100.0	1	9	100.0	4	62	100.0
White									
Total.....	398	4,761	100.0	432	5,120	100.0	828	11,155	100.0
Less than 65.0..	-	-	-	-	-	-	1	32	0.3
65.0–69.9	-	-	-	1	8	0.2	1	11	0.4
70.0–74.9	3	36	0.8	1	7	0.3	2	27	0.6
75.0–79.9	54	635	14.1	21	266	5.5	20	271	3.0
80.0–84.9	177	2,132	58.9	126	1,520	35.2	179	2,392	24.5
85.0–89.9	122	1,471	89.8	180	2,139	77.0	348	4,744	67.0
90.0–94.9	35	401	98.2	93	1,074	97.9	214	2,899	93.0
95.0–99.9	6	78	99.8	9	95	99.8	54	629	98.7
100.0–104.9...	-	-	99.8	1	11	100.0	6	100	99.5
105.0 or more ..	1	8	100.0	-	-	100.0	3	51	100.0
Black									
Total.....	70	768	100.0	76	850	100.0	118	1,483	100.0
Less than 65.0..	-	-	-	1	10	1.2	-	-	-
65.0–69.9	2	20	2.6	-	-	1.2	1	10	0.7
70.0–74.9	3	25	5.9	1	7	2.0	-	-	0.7
75.0–79.9	13	120	21.5	5	50	7.9	7	76	5.8
80.0–84.9	20	268	56.4	25	300	43.2	18	210	20.0
85.0–89.9	25	262	90.5	22	261	74.0	53	727	69.0
90.0–94.9	7	73	100.0	16	160	92.9	27	336	91.7
95.0–99.9	-	-	100.0	5	51	98.9	8	86	97.4
100.0–104.9...	-	-	100.0	-	-	98.9	3	27	99.3
105.0 or more ..	-	-	100.0	1	9	100.0	1	11	100.0

See footnotes at end of table.

Table 30. Cumulative percent distribution of mean corpuscular volume of males 3–74 years, by age, race, and level of mean corpuscular volume: United States, 1976–80—Con.

Race and mean corpuscular volume in femtoliters	Age								
	25–44 years			45–64 years			65–74 years		
	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent
All races²									
Total.....	1,776	26,765	100.0	1,889	20,428	100.0	1,182	6,216	100.0
Less than 65.0..	1	14	0.1	-	-	-	3	20	0.3
65.0–69.9.....	3	35	0.2	4	51	0.3	3	17	0.6
70.0–74.9.....	6	79	0.5	4	26	0.4	4	20	0.9
75.0–79.9.....	45	737	3.2	38	384	2.3	25	117	2.8
80.0–84.9.....	297	4,481	20.0	235	2,692	15.4	124	614	12.7
85.0–89.9.....	691	10,460	59.1	618	6,730	48.4	384	1,989	44.7
90.0–94.9.....	548	8,260	89.9	630	6,747	81.4	395	2,084	78.2
95.0–99.9.....	145	2,111	97.8	278	2,896	95.6	168	918	93.0
100.0–104.9..	30	433	99.4	64	698	99.0	52	307	97.9
105.0 or more..	10	155	100.0	18	203	100.0	24	130	100.0
White									
Total.....	1,528	23,284	100.0	1,681	18,263	100.0	1,033	5,513	100.0
Less than 65.0..	1	14	0.1	-	-	-	2	12	0.2
65.0–69.9.....	1	13	0.1	3	36	0.2	3	17	0.5
70.0–74.9.....	1	19	0.2	2	10	0.3	2	8	0.7
75.0–79.9.....	37	602	2.8	24	259	1.7	14	68	1.9
80.0–84.9.....	258	3,931	19.7	213	2,425	14.9	97	508	11.1
85.0–89.9.....	613	9,407	60.1	551	6,067	48.2	345	1,818	44.1
90.0–94.9.....	469	7,049	90.3	564	6,031	81.2	353	1,853	77.7
95.0–99.9.....	118	1,749	97.8	256	2,667	95.8	147	828	92.7
100.0–104.9..	22	360	99.4	57	643	99.3	47	274	97.7
105.0 or more..	8	141	100.0	11	125	100.0	23	126	100.0
Black									
Total.....	201	2,581	100.0	185	1,797	100.0	123	538	100.0
Less than 65.0..	-	-	-	-	-	-	-	-	-
65.0–69.9.....	2	22	0.8	1	15	0.8	-	-	-
70.0–74.9.....	4	36	2.2	2	16	1.7	2	12	2.3
75.0–79.9.....	6	84	5.5	14	125	8.7	11	49	11.4
80.0–84.9.....	34	470	23.7	20	222	21.1	24	94	28.9
85.0–89.9.....	64	749	52.7	59	563	52.4	32	133	53.6
90.0–94.9.....	58	835	85.1	57	565	83.8	32	161	83.5
95.0–99.9.....	23	298	96.6	18	157	92.6	18	69	96.4
100.0–104.9..	8	73	99.4	7	55	95.6	3	15	99.3
105.0 or more..	2	14	100.0	7	79	100.0	1	4	100.0

¹ Does not include sample weights for missing values.

² Includes data for races not shown as separate categories.

Table 31. Cumulative percent distribution of mean corpuscular volume of females 3-74 years, by age, race, and level of mean corpuscular volume: United States, 1976-80

Race and mean corpuscular volume in femtoliters	Age								
	3-74 years			3-5 years			6-11 years		
	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent
All races²									
Total.....	9,001	96,566	100.0	915	3,588	100.0	762	9,177	100.0
Less than 65.0..	16	153	0.2	4	16	0.5	1	7	0.1
65.0-69.9.....	23	250	0.4	6	24	1.1	3	27	0.4
70.0-74.9.....	129	1,138	1.6	58	236	7.7	17	176	2.3
75.0-79.9.....	623	5,285	7.1	269	1,096	38.2	158	1,885	22.8
80.0-84.9.....	1,760	17,890	25.6	369	1,428	78.0	321	3,855	64.8
85.0-89.9.....	2,896	31,457	58.2	170	637	95.8	205	2,521	92.3
90.0-94.9.....	2,403	26,927	86.1	32	126	99.3	48	578	98.6
95.0-99.9.....	892	10,461	96.9	5	20	99.9	4	49	99.1
100.0-104.9..	195	2,331	99.3	-	-	99.9	3	42	99.6
105.0 or more..	64	674	100.0	2	5	100.0	2	37	100.0
White									
Total.....	7,647	83,162	100.0	734	2,934	100.0	617	7,690	100.0
Less than 65.0..	10	99	0.1	2	9	0.3	1	7	0.1
65.0-69.9.....	12	163	0.3	2	8	0.6	1	7	0.2
70.0-74.9.....	81	674	1.1	45	188	7.0	9	100	1.5
75.0-79.9.....	471	4,053	6.0	218	923	38.4	128	1,606	22.4
80.0-84.9.....	1,443	14,915	23.9	303	1,186	78.9	270	3,342	65.8
85.0-89.9.....	2,511	27,754	57.3	131	492	95.6	167	2,117	93.4
90.0-94.9.....	2,117	23,964	86.1	27	105	99.2	34	403	98.6
95.0-99.9.....	779	9,031	97.0	4	18	99.8	2	30	99.0
100.0-104.9..	166	1,907	99.3	-	-	99.8	3	42	99.5
105.0 or more..	57	602	100.0	2	5	100.0	2	37	100.0
Black									
Total.....	1,190	11,235	100.0	162	558	100.0	131	1,325	100.0
Less than 65.0..	6	54	0.5	2	8	1.3	-	-	-
65.0-69.9.....	8	46	0.9	3	9	2.9	2	20	1.5
70.0-74.9.....	43	406	4.5	11	40	10.1	7	67	6.6
75.0-79.9.....	139	1,093	14.2	47	154	37.7	29	252	25.6
80.0-84.9.....	286	2,583	37.2	56	193	72.2	45	454	59.9
85.0-89.9.....	334	2,976	63.7	37	132	95.9	32	336	85.3
90.0-94.9.....	249	2,504	86.0	5	21	99.6	14	175	98.5
95.0-99.9.....	94	1,136	96.1	1	2	100.0	2	20	100.0
100.0-104.9..	26	382	99.5	-	-	100.0	-	-	100.0
105.0 or more..	5	56	100.0	-	-	100.0	-	-	100.0

See footnotes at end of table.

Table 31. Cumulative percent distribution of mean corpuscular volume of females 3-74 years, by age, race, and level of mean corpuscular volume: United States, 1976-80—Con.

Race and mean corpuscular volume in femtoliters	Age								
	12-14 years			15-17 years			18-24 years		
	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent
All races²									
Total.....	460	5,410	100.0	430	5,858	100.0	1,033	13,784	100.0
Less than 65.0..	-	-	-	-	-	-	3	42	0.3
65.0-69.9.....	-	-	-	1	14	0.2	-	-	0.3
70.0-74.9.....	3	49	0.9	4	105	2.0	9	92	1.0
75.0-79.9.....	33	372	7.8	16	223	5.8	24	329	3.4
80.0-84.9.....	138	1,671	38.7	92	1,374	29.3	169	2,288	20.0
85.0-89.9.....	180	2,130	78.0	180	2,450	71.1	357	4,734	54.3
90.0-94.9.....	86	1,016	96.8	106	1,298	93.3	334	4,440	86.5
95.0-99.9.....	16	138	99.4	25	323	98.8	114	1,565	97.9
100.0-104.9...	3	20	99.8	5	51	99.7	14	190	99.2
105.0 or more..	1	13	100.0	1	20	100.0	9	103	100.0
White									
Total.....	370	4,528	100.0	356	4,974	100.0	869	11,637	100.0
Less than 65.0..	-	-	-	-	-	-	1	13	0.1
65.0-69.9.....	-	-	-	1	14	0.3	-	-	0.1
70.0-74.9.....	2	24	0.5	3	96	2.2	3	33	0.4
75.0-79.9.....	19	233	5.7	8	99	4.2	15	216	2.3
80.0-84.9.....	113	1,437	37.4	73	1,136	27.0	133	1,771	17.5
85.0-89.9.....	154	1,883	79.0	162	2,219	71.6	317	4,221	53.7
90.0-94.9.....	67	818	97.1	85	1,087	93.5	293	3,950	87.7
95.0-99.9.....	13	118	99.7	18	252	98.6	89	1,209	98.1
100.0-104.9...	2	15	100.0	5	51	99.6	11	138	99.3
105.0 or more..	-	-	100.0	1	20	100.0	7	87	100.0
Black									
Total.....	83	771	100.0	68	794	100.0	138	1,773	100.0
Less than 65.0..	-	-	-	-	-	-	2	28	1.6
65.0-69.9.....	-	-	-	-	-	-	-	-	1.6
70.0-74.9.....	1	25	3.3	1	10	1.2	6	59	4.9
75.0-79.9.....	13	111	17.6	7	116	15.9	8	94	10.2
80.0-84.9.....	25	233	47.9	18	206	41.8	33	469	36.7
85.0-89.9.....	21	172	70.2	16	204	67.5	32	396	59.0
90.0-94.9.....	19	198	95.9	20	195	92.0	33	379	80.4
95.0-99.9.....	2	13	97.6	6	64	100.0	21	295	97.0
100.0-104.9...	1	6	98.4	-	-	100.0	3	52	100.0
105.0 or more..	1	13	100.0	-	-	100.0	-	-	100.0

See footnotes at end of table.

Table 31. Cumulative percent distribution of mean corpuscular volume of females 3-74 years, by age, race, and level of mean corpuscular volume: United States, 1976-80—Con.

Race and mean corpuscular volume in femtoliters	Age								
	25-44 years			45-64 years			65-74 years		
	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent
All races ²									
Total.....	1,977	28,582	100.0	2,045	22,215	100.0	1,379	7,954	100.0
Less than 65.0 ..	4	39	0.1	3	48	0.2	1	3	0.0
65.0-69.9	3	43	0.3	7	122	0.8	3	19	0.3
70.0-74.9	24	362	1.6	10	103	1.2	4	15	0.5
75.0-79.9	50	715	4.1	44	493	3.4	29	171	2.6
80.0-84.9	238	3,390	15.9	258	2,881	16.4	175	1,004	15.2
85.0-89.9	654	9,296	48.4	679	7,026	48.0	471	2,663	48.7
90.0-94.9	671	9,503	81.7	680	7,376	81.2	446	2,592	81.3
95.0-99.9	258	4,032	95.8	285	3,198	95.6	185	1,135	95.6
100.0-104.9 ..	65	1,041	99.4	60	745	99.0	45	241	98.6
105.0 or more ..	10	161	100.0	19	224	100.0	20	111	100.0
White									
Total.....	1,698	24,654	100.0	1,785	19,607	100.0	1,218	7,137	100.0
Less than 65.0 ..	2	21	0.1	3	46	0.2	1	3	0.0
65.0-69.9	3	43	0.3	3	76	0.6	2	14	0.2
70.0-74.9	13	191	1.0	4	35	0.8	2	7	0.4
75.0-79.9	34	512	3.1	27	323	2.5	22	142	2.3
80.0-84.9	196	2,789	14.4	213	2,400	14.7	142	854	14.3
85.0-89.9	563	8,090	47.2	611	6,393	47.3	406	2,337	47.1
90.0-94.9	602	8,547	81.9	602	6,645	81.2	407	2,408	80.8
95.0-99.9	224	3,503	96.1	256	2,876	95.9	173	1,026	95.2
100.0-104.9 ..	53	824	99.5	49	604	98.9	43	233	98.5
105.0 or more ..	8	133	100.0	17	209	100.0	20	111	100.0
Black									
Total.....	239	3,232	100.0	226	2,091	100.0	143	690	100.0
Less than 65.0 ..	2	18	0.6	-	-	-	-	-	-
65.0-69.9	-	-	0.6	2	13	0.6	1	4	0.6
70.0-74.9	9	130	4.6	6	68	3.9	2	7	1.7
75.0-79.9	13	178	10.1	16	164	11.7	6	23	5.0
80.0-84.9	37	495	25.4	41	396	30.6	31	137	24.9
85.0-89.9	75	922	53.9	62	530	56.0	59	283	65.9
90.0-94.9	60	805	78.8	67	601	84.7	31	130	84.7
95.0-99.9	31	464	93.2	20	180	93.4	11	98	98.9
100.0-104.9 ..	10	193	99.1	10	124	99.3	2	8	100.0
105.0 or more ..	2	27	100.0	2	15	100.0	-	-	100.0

¹Does not include sample weights for missing values.

²Includes data for races not shown as separate categories.

Table 32. Cumulative percent distribution of mean corpuscular hemoglobin of males 3-74 years, by age, race, and level of mean corpuscular hemoglobin: United States, 1976-80

Race and mean corpuscular hemoglobin in picograms	Age								
	3-74 years			3-5 years			6-11 years		
	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent
All races²									
Total	8,408	88,889	100.0	972	3,705	100.0	779	9,203	100.0
Less than 22.0	26	236	0.3	5	14	0.4	2	16	0.2
22.0-23.9	55	392	0.7	22	85	2.7	9	87	1.1
24.0-25.9	198	1,358	2.2	107	370	12.7	36	435	5.8
26.0-27.9	1,087	9,374	12.8	387	1,495	53.0	260	3,010	38.5
28.0-29.9	2,695	28,701	45.1	367	1,403	90.9	360	4,345	85.8
30.0-31.9	3,028	34,431	83.8	78	318	99.5	99	1,166	98.4
32.0-33.9	1,105	12,020	97.3	6	20	100.0	11	127	99.8
34.0-35.9	175	1,973	99.5	-	-	100.0	1	10	99.9
36.0 or more	39	403	100.0	-	-	100.0	1	8	100.0
White									
Total	7,173	76,701	100.0	775	3,010	100.0	644	7,671	100.0
Less than 22.0	14	135	0.2	3	11	0.3	1	8	0.1
22.0-23.9	24	139	0.4	14	52	2.1	2	19	0.4
24.0-25.9	124	816	1.4	73	260	10.7	22	285	4.1
26.0-27.9	804	6,996	10.5	311	1,230	51.6	207	2,475	36.3
28.0-29.9	2,304	24,684	42.7	300	1,154	89.9	311	3,709	84.7
30.0-31.9	2,713	30,890	83.0	68	283	99.3	89	1,049	98.4
32.0-33.9	1,005	10,909	97.2	6	20	100.0	10	107	99.8
34.0-35.9	152	1,799	99.6	-	-	100.0	1	10	99.9
36.0 or more	33	334	100.0	-	-	100.0	1	8	100.0
Black									
Total	1,041	9,708	100.0	167	575	100.0	115	1,266	100.0
Less than 22.0	11	94	1.0	2	4	0.7	1	8	0.6
22.0-23.9	29	221	3.2	7	27	5.3	7	68	6.0
24.0-25.9	72	499	8.4	34	110	24.5	13	132	16.4
26.0-27.9	249	2,085	29.9	63	213	61.6	43	437	50.9
28.0-29.9	330	3,211	62.9	53	194	95.4	41	504	90.7
30.0-31.9	252	2,676	90.5	8	27	100.0	9	98	98.4
32.0-33.9	73	706	97.8	-	-	100.0	1	20	100.0
34.0-35.9	19	146	99.3	-	-	100.0	-	-	100.0
36.0 or more	6	70	100.0	-	-	100.0	-	-	100.0

See footnotes at end of table.

Table 32. Cumulative percent distribution of mean corpuscular hemoglobin of males 3-74 years, by age, race, and level of mean corpuscular hemoglobin: United States, 1976-80—Con.

Race and mean corpuscular hemoglobin in picograms	Age								
	12-14 years			15-17 years			18-24 years		
	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent
All races²									
Total.....	466	5,499	100.0	504	5,877	100.0	947	12,625	100.0
Less than 22.0..	3	31	0.6	2	19	0.3	2	42	0.3
22.0-23.9.....	3	25	1.0	-	-	0.3	3	27	0.6
24.0-25.9.....	12	141	3.6	7	61	1.4	8	92	1.3
26.0-27.9.....	89	1,010	21.9	60	736	13.9	46	574	5.8
28.0-29.9.....	242	2,877	74.2	196	2,166	50.7	305	4,202	39.1
30.0-31.9.....	104	1,280	97.5	206	2,544	94.0	433	5,752	84.7
32.0-33.9.....	12	129	99.9	31	331	99.7	131	1,677	97.9
34.0-35.9.....	1	8	100.0	-	-	99.7	15	200	99.5
36.0 or more...	-	-	100.0	2	20	100.0	4	59	100.0
White									
Total.....	383	4,540	100.0	416	4,862	100.0	813	10,927	100.0
Less than 22.0..	-	-	-	-	-	-	2	42	0.4
22.0-23.9.....	1	11	0.2	-	-	-	1	9	0.5
24.0-25.9.....	6	66	1.7	5	42	0.9	4	51	0.9
26.0-27.9.....	69	779	18.8	34	425	9.6	31	379	4.4
28.0-29.9.....	204	2,426	72.3	164	1,784	46.3	256	3,530	36.7
30.0-31.9.....	92	1,148	97.6	186	2,334	94.3	383	5,132	83.7
32.0-33.9.....	10	103	99.8	26	266	99.8	123	1,581	98.1
34.0-35.9.....	1	8	100.0	-	-	99.8	9	144	99.5
36.0 or more...	-	-	100.0	1	11	100.0	4	59	100.0
Black									
Total.....	69	760	100.0	74	832	100.0	113	1,400	100.0
Less than 22.0..	3	31	4.0	2	19	2.3	-	-	-
22.0-23.9.....	2	14	5.9	-	-	2.3	2	18	1.3
24.0-25.9.....	5	48	12.3	2	19	4.6	4	41	4.2
26.0-27.9.....	17	192	37.5	24	297	40.3	15	194	18.1
28.0-29.9.....	32	371	86.4	27	305	77.0	40	528	55.8
30.0-31.9.....	8	77	96.6	14	143	94.2	41	493	91.0
32.0-33.9.....	2	26	100.0	4	39	98.9	6	78	96.6
34.0-35.9.....	-	-	100.0	-	-	98.9	5	48	100.0
36.0 or more...	-	-	100.0	1	9	100.0	-	-	100.0

See footnotes at end of table.

Table 32. Cumulative percent distribution of mean corpuscular hemoglobin of males 3-74 years, by age, race, and level of mean corpuscular hemoglobin: United States, 1976-80—Con.

Race and mean corpuscular hemoglobin in picograms	Age								
	25-44 years			45-64 years			65-74 years		
	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent
All races²									
Total	1,740	26,150	100.0	1,840	19,748	100.0	1,160	6,080	100.0
Less than 22.0	2	27	0.1	5	56	0.3	5	32	0.5
22.0-23.9	6	84	0.4	6	54	0.6	6	29	1.0
24.0-25.9	6	83	0.7	12	128	1.2	10	49	1.8
26.0-27.9	84	1,268	5.6	85	909	5.8	76	373	7.9
28.0-29.9	509	7,644	34.8	446	4,666	29.4	270	1,399	30.9
30.0-31.9	814	12,183	81.4	786	8,533	72.6	508	2,656	74.6
32.0-33.9	273	4,084	97.0	413	4,464	95.2	228	1,188	94.2
34.0-35.9	40	699	99.7	73	773	99.2	45	285	98.8
36.0 or more	6	78	100.0	14	167	100.0	12	71	100.0
White									
Total	1,496	22,708	100.0	1,634	17,602	100.0	1,012	5,381	100.0
Less than 22.0	1	14	0.1	3	36	0.2	4	23	0.4
22.0-23.9	2	32	0.2	1	3	0.2	3	14	0.7
24.0-25.9	1	13	0.3	8	71	0.6	5	26	1.2
26.0-27.9	50	803	3.8	59	661	4.4	43	243	5.7
28.0-29.9	445	6,719	33.4	389	4,120	27.8	235	1,240	28.7
30.0-31.9	718	10,790	80.9	718	7,747	71.8	459	2,408	73.5
32.0-33.9	237	3,589	96.7	382	4,145	95.4	211	1,100	93.9
34.0-35.9	37	676	99.7	63	701	99.3	41	260	98.8
36.0 or more	5	72	100.0	11	117	100.0	11	67	100.0
Black									
Total	198	2,563	100.0	183	1,778	100.0	122	534	100.0
Less than 22.0	1	13	0.5	2	19	1.1	-	-	-
22.0-23.9	3	27	1.6	5	51	3.9	3	15	2.9
24.0-25.9	5	69	4.3	4	57	7.1	5	22	7.1
26.0-27.9	31	389	19.5	26	248	21.1	30	114	28.5
28.0-29.9	53	698	46.7	52	465	47.2	32	146	55.7
30.0-31.9	77	1,048	87.6	59	627	82.5	36	164	86.4
32.0-33.9	24	288	98.8	23	194	93.4	13	61	97.9
34.0-35.9	3	23	99.7	9	68	97.2	2	7	99.3
36.0 or more	1	7	100.0	3	50	100.0	1	4	100.0

¹Does not include sample weights for missing values.

²Includes data for races not shown as separate categories.

Table 33. Cumulative percent distribution of mean corpuscular hemoglobin of females 3-74 years, by age, race, and level of mean corpuscular hemoglobin: United States, 1976-80

Race and mean corpuscular hemoglobin in picograms	Age								
	3-74 years			3-5 years			6-11 years		
	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent
All races²									
Total.....	8,783	93,704	100.0	892	3,488	100.0	739	8,858	100.0
Less than 22.0..	44	436	0.5	8	33	0.9	2	14	0.2
22.0-23.9.....	45	495	1.0	6	21	1.5	3	39	0.6
24.0-25.9.....	219	2,068	3.2	80	318	10.6	31	339	4.4
26.0-27.9.....	1,146	10,181	14.1	383	1,389	50.5	209	2,389	31.4
28.0-29.9.....	2,963	30,898	47.0	357	1,400	90.6	382	4,656	84.0
30.0-31.9.....	3,127	35,289	84.7	74	312	99.5	98	1,219	97.7
32.0-33.9.....	1,088	12,245	97.8	2	11	99.8	10	126	99.1
34.0-35.9.....	140	1,778	99.7	-	-	99.8	3	57	99.8
36.0 or more...	31	314	100.0	2	5	100.0	1	20	100.0
White									
Total.....	7,455	80,815	100.0	715	2,849	100.0	597	7,392	100.0
Less than 22.0..	24	269	0.3	3	14	0.5	2	14	0.2
22.0-23.9.....	13	128	0.5	2	6	0.7	-	-	0.2
24.0-25.9.....	108	1,088	1.8	44	178	6.9	13	156	2.3
26.0-27.9.....	850	7,633	11.3	300	1,183	48.5	163	1,938	28.5
28.0-29.9.....	2,537	26,931	44.7	297	1,183	90.0	328	4,138	84.5
30.0-31.9.....	2,810	31,856	84.2	66	273	99.6	80	980	97.7
32.0-33.9.....	980	10,883	97.7	1	7	99.8	7	90	99.0
34.0-35.9.....	125	1,540	99.6	-	-	99.8	3	57	99.7
36.0 or more...	28	288	100.0	2	5	100.0	1	20	100.0
Black									
Total.....	1,168	11,017	100.0	158	544	100.0	128	1,304	100.0
Less than 22.0..	17	126	1.1	4	12	2.1	-	-	-
22.0-23.9.....	30	325	4.1	4	15	4.9	3	39	3.0
24.0-25.9.....	102	859	11.9	33	121	27.1	17	157	15.0
26.0-27.9.....	278	2,371	33.4	57	184	61.0	43	417	47.0
28.0-29.9.....	378	3,382	64.1	52	178	93.7	47	455	81.9
30.0-31.9.....	258	2,638	88.1	7	31	99.3	15	200	97.3
32.0-33.9.....	92	1,130	98.3	1	4	100.0	3	36	100.0
34.0-35.9.....	11	168	99.8	-	-	100.0	-	-	100.0
36.0 or more...	2	18	100.0	-	-	100.0	-	-	100.0

See footnotes at end of table.

Table 33. Cumulative percent distribution of mean corpuscular hemoglobin of females 3-74 years, by age, race, and level of mean corpuscular hemoglobin: United States, 1976-80—Con.

Race and mean corpuscular hemoglobin in picograms	Age								
	12-14 years			15-17 years			18-24 years		
	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent
All races²									
Total	445	5,216	100.0	421	5,712	100.0	1,005	13,356	100.0
Less than 22.0 . . .	1	6	0.1	2	23	0.4	5	63	0.5
22.0-23.9	1	19	0.5	3	38	1.1	8	71	1.0
24.0-25.9	13	160	3.5	7	125	3.3	17	217	2.6
26.0-27.9	74	767	18.3	42	622	14.2	80	1,076	10.7
28.0-29.9	195	2,328	62.9	167	2,317	54.7	321	4,143	41.7
30.0-31.9	143	1,735	96.1	156	2,051	90.6	416	5,686	84.3
32.0-33.9	17	186	99.7	39	440	98.3	135	1,749	97.4
34.0-35.9	1	15	100.0	5	95	100.0	19	305	99.7
36.0 or more	-	-	100.0	-	-	100.0	4	46	100.0
White									
Total	358	4,377	100.0	350	4,855	100.0	844	11,277	100.0
Less than 22.0 . . .	-	-	-	1	14	0.3	1	13	0.1
22.0-23.9	-	-	-	-	-	0.3	1	11	0.2
24.0-25.9	6	85	2.0	4	96	2.3	7	86	1.0
26.0-27.9	47	536	14.2	26	402	10.5	57	742	7.6
28.0-29.9	170	2,071	61.5	144	2,054	52.8	276	3,561	39.1
30.0-31.9	121	1,514	96.1	135	1,794	89.8	369	5,084	84.2
32.0-33.9	13	156	99.7	35	401	98.0	117	1,526	97.8
34.0-35.9	1	15	100.0	5	95	100.0	14	224	99.7
36.0 or more	-	-	100.0	-	-	100.0	2	28	100.0
Black									
Total	81	757	100.0	65	768	100.0	136	1,727	100.0
Less than 22.0 . . .	1	6	0.7	1	10	1.2	4	50	2.9
22.0-23.9	1	19	3.3	3	38	6.2	7	60	6.4
24.0-25.9	7	75	13.1	2	22	9.1	9	111	12.8
26.0-27.9	27	231	43.7	16	221	37.8	21	300	30.2
28.0-29.9	20	181	67.6	20	220	66.5	38	488	58.4
30.0-31.9	22	221	96.8	20	225	95.8	37	464	85.3
32.0-33.9	3	24	100.0	3	32	100.0	16	194	96.5
34.0-35.9	-	-	100.0	-	-	100.0	3	51	99.5
36.0 or more	-	-	100.0	-	-	100.0	1	9	100.0

See footnotes at end of table.

Table 33. Cumulative percent distribution of mean corpuscular hemoglobin of females 3–74 years, by age, race, and level of mean corpuscular hemoglobin: United States, 1976–80—Con.

Race and mean corpuscular hemoglobin in picograms	Age								
	25–44 years			45–64 years			65–74 years		
	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent
All races²									
Total	1,924	27,635	100.0	2,008	21,673	100.0	1,349	7,766	100.0
Less than 22.0 . .	8	90	0.3	12	178	0.8	6	29	0.4
22.0–23.9	17	228	1.2	4	57	1.1	3	22	0.7
24.0–25.9	32	496	2.9	29	355	2.7	10	57	1.4
26.0–27.9	146	2,017	10.2	133	1,392	9.1	99	528	8.2
28.0–29.9	535	7,431	37.1	596	6,257	38.0	410	2,367	38.7
30.0–31.9	822	11,903	80.2	878	9,368	81.2	540	3,017	77.5
32.0–33.9	320	4,744	97.4	315	3,556	97.6	230	1,433	96.0
34.0–35.9	38	631	99.7	37	452	99.7	37	224	98.9
36.0 or more . . .	6	95	100.0	4	59	100.0	14	88	100.0
White									
Total	1,651	23,824	100.0	1,750	19,085	100.0	1,190	6,956	100.0
Less than 22.0 . .	5	64	0.3	7	125	0.7	5	25	0.4
22.0–23.9	8	91	0.7	1	9	0.7	1	11	0.5
24.0–25.9	16	277	1.8	12	166	1.6	6	43	1.1
26.0–27.9	106	1,455	7.9	91	1,021	6.9	60	356	6.3
28.0–29.9	446	6,294	34.3	521	5,543	36.0	355	2,087	36.3
30.0–31.9	747	10,806	79.7	800	8,610	81.1	492	2,794	76.4
32.0–33.9	286	4,225	97.4	280	3,141	97.5	221	1,338	95.7
34.0–35.9	32	525	99.6	34	411	99.7	36	213	98.7
36.0 or more . . .	5	87	100.0	4	59	100.0	14	88	100.0
Black									
Total	235	3,162	100.0	224	2,072	100.0	141	683	100.0
Less than 22.0 . .	3	26	0.8	3	20	1.0	1	4	0.6
22.0–23.9	7	96	3.9	3	47	3.2	2	10	2.1
24.0–25.9	15	208	10.4	15	152	10.6	4	14	4.2
26.0–27.9	36	503	26.3	41	354	27.6	37	161	27.8
28.0–29.9	81	1,000	58.0	69	610	57.1	51	250	64.4
30.0–31.9	59	819	83.8	61	531	82.7	37	147	86.0
32.0–33.9	28	413	96.9	30	342	99.2	8	84	98.3
34.0–35.9	5	89	99.7	2	16	100.0	1	11	100.0
36.0 or more . . .	1	8	100.0	-	-	100.0	-	-	100.0

¹ Does not include sample weights for missing values.

² Includes data for races not shown as separate categories.

Table 34. Cumulative percent distribution of mean corpuscular hemoglobin concentration of males 3-74 years, by age, race, and level of mean corpuscular hemoglobin concentration: United States, 1978-80

Race and mean corpuscular hemoglobin concentration in grams per deciliter	Age								
	3-74 years			3-5 years			6-11 years		
	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent
All races²									
Total.....	8,449	89,400	100.0	982	3,753	100.0	786	9,287	100.0
Less than 27.0..	3	13	0.0	-	-	-	-	-	-
27.0-27.9.....	2	30	0.0	-	-	-	-	-	-
28.0-28.9.....	1	2	0.1	1	2	0.1	-	-	-
29.0-29.9.....	14	110	0.2	2	8	0.3	-	-	-
30.0-30.9.....	57	396	0.6	11	31	1.1	8	66	0.7
31.0-31.9.....	293	2,659	3.6	39	116	4.2	23	228	3.2
32.0-32.9.....	948	9,015	13.7	122	437	15.8	86	992	13.9
33.0-33.9.....	2,004	20,416	36.5	206	748	35.8	174	1,979	35.2
34.0-34.9.....	2,822	30,565	70.7	281	1,117	65.5	256	3,051	68.0
35.0-35.9.....	1,749	20,157	93.2	215	887	89.2	172	2,115	90.8
36.0-36.9.....	434	4,747	98.6	81	302	97.2	51	655	97.8
37.0-37.9.....	93	1,019	99.7	17	78	99.3	12	145	99.4
38.0 or more...	29	271	100.0	7	26	100.0	4	56	100.0
White									
Total.....	7,198	77,096	100.0	781	3,038	100.0	646	7,704	100.0
Less than 27.0..	2	9	0.0	-	-	-	-	-	-
27.0-27.9.....	1	6	0.0	-	-	-	-	-	-
28.0-28.9.....	1	2	0.0	1	2	0.1	-	-	-
29.0-29.9.....	9	59	0.1	-	-	0.1	-	-	-
30.0-30.9.....	23	169	0.3	6	19	0.7	3	28	0.4
31.0-31.9.....	171	1,665	2.5	22	74	3.1	12	123	2.0
32.0-32.9.....	685	6,247	10.6	96	349	14.6	57	680	10.8
33.0-33.9.....	1,664	17,058	32.7	156	583	33.8	138	1,553	31.0
34.0-34.9.....	2,513	27,507	68.4	223	874	62.6	221	2,682	65.8
35.0-35.9.....	1,612	18,686	92.6	185	769	87.9	156	1,913	90.6
36.0-36.9.....	407	4,519	98.5	72	279	97.1	47	601	98.4
37.0-37.9.....	85	934	99.7	14	66	99.2	9	91	99.6
38.0 or more...	25	235	100.0	6	24	100.0	3	33	100.0
Black									
Total.....	1,055	9,806	100.0	171	593	100.0	119	1,310	100.0
Less than 27.0..	1	4	0.0	-	-	-	-	-	-
27.0-27.9.....	1	24	0.3	-	-	-	-	-	-
28.0-28.9.....	-	-	0.3	-	-	-	-	-	-
29.0-29.9.....	5	51	0.8	2	8	1.4	-	-	-
30.0-30.9.....	34	227	3.1	5	12	3.4	5	38	2.9
31.0-31.9.....	116	933	12.6	16	40	10.2	11	105	10.9
32.0-32.9.....	238	2,412	37.2	25	81	23.9	28	304	34.2
33.0-33.9.....	299	2,827	66.1	44	143	48.0	27	333	59.6
34.0-34.9.....	239	2,212	88.6	43	181	78.6	31	323	84.2
35.0-35.9.....	96	932	98.1	26	101	95.5	13	160	96.4
36.0-36.9.....	19	129	99.4	8	20	99.0	2	18	97.8
37.0-37.9.....	4	21	99.7	2	6	100.0	1	7	98.3
38.0 or more...	3	33	100.0	-	-	100.0	1	22	100.0

See footnotes at end of table.

Table 34. Cumulative percent distribution of mean corpuscular hemoglobin concentration of males 3-74 years, by age, race, and level of mean corpuscular hemoglobin concentration: United States, 1978-80—Con.

Race and mean corpuscular hemoglobin concentration in grams per deciliter	Age								
	12-14 years			15-17 years			18-24 years		
	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent
All races²									
Total.....	468	5,514	100.0	506	5,928	100.0	951	12,708	100.0
Less than 27.0..	-	-	-	-	-	-	-	-	-
27.0-27.9.....	-	-	-	-	-	-	-	-	-
28.0-28.9.....	-	-	-	-	-	-	-	-	-
29.0-29.9.....	-	-	-	2	19	0.3	1	9	0.1
30.0-30.9.....	3	31	0.6	1	6	0.4	5	42	0.4
31.0-31.9.....	20	224	4.6	15	136	2.7	17	215	2.1
32.0-32.9.....	51	529	14.2	49	538	11.8	80	1,018	10.1
33.0-33.9.....	106	1,267	37.2	126	1,523	37.5	205	2,827	32.3
34.0-34.9.....	154	1,880	71.3	185	2,100	72.9	341	4,470	67.5
35.0-35.9.....	98	1,134	91.9	104	1,363	95.9	241	3,281	93.3
36.0-36.9.....	25	318	97.6	18	178	98.9	46	633	98.3
37.0-37.9.....	6	73	98.9	4	42	99.6	13	196	99.9
38.0 or more...	5	58	100.0	2	24	100.0	2	18	100.0
White									
Total.....	383	4,540	100.0	418	4,912	100.0	817	11,009	100.0
Less than 27.0..	-	-	-	-	-	-	-	-	-
27.0-27.9.....	-	-	-	-	-	-	-	-	-
28.0-28.9.....	-	-	-	-	-	-	-	-	-
29.0-29.9.....	-	-	-	-	-	-	1	9	0.1
30.0-30.9.....	-	-	-	1	6	0.1	1	6	0.1
31.0-31.9.....	12	139	3.1	4	30	0.7	8	97	1.0
32.0-32.9.....	33	333	10.4	29	275	6.3	46	575	6.2
33.0-33.9.....	86	1,054	33.6	98	1,190	30.6	168	2,364	27.7
34.0-34.9.....	130	1,563	68.0	166	1,887	69.0	314	4,146	65.4
35.0-35.9.....	89	1,034	90.8	98	1,297	95.4	222	3,006	92.7
36.0-36.9.....	23	294	97.3	17	162	98.7	43	602	98.1
37.0-37.9.....	5	65	98.7	4	42	99.5	13	196	99.9
38.0 or more...	5	58	100.0	2	24	100.0	1	10	100.0
Black									
Total.....	71	775	100.0	74	832	100.0	113	1,400	100.0
Less than 27.0..	-	-	-	-	-	-	-	-	-
27.0-27.9.....	-	-	-	-	-	-	-	-	-
28.0-28.9.....	-	-	-	-	-	-	-	-	-
29.0-29.9.....	-	-	-	2	19	2.3	-	-	-
30.0-30.9.....	3	31	4.0	-	-	2.3	4	36	2.6
31.0-31.9.....	8	85	15.0	11	105	15.0	8	109	10.4
32.0-32.9.....	16	160	35.6	19	256	45.8	30	388	38.0
33.0-33.9.....	17	161	58.4	25	272	78.5	34	418	67.8
34.0-34.9.....	18	232	66.4	14	145	95.9	22	252	85.9
35.0-35.9.....	6	74	95.9	3	34	100.0	11	159	97.2
36.0-36.9.....	2	23	98.9	-	-	100.0	3	31	99.5
37.0-37.9.....	1	8	100.0	-	-	100.0	-	-	99.5
38.0 or more...	-	-	100.0	-	-	100.0	1	8	100.0

See footnotes at end of table.

Table 34. Cumulative percent distribution of mean corpuscular hemoglobin concentration of males 3–74 years, by age, race, and level of mean corpuscular hemoglobin concentration: United States, 1976–80—Con.

Race and mean corpuscular hemoglobin concentration in grams per deciliter	Age								
	25–44 years			45–64 years			65–74 years		
	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent
All races ²									
Total.....	1,750	26,296	100.0	1,843	19,813	100.0	1,163	6,102	100.0
Less than 27.0..	-	-	-	2	10	0.1	1	3	0.0
27.0–27.9.....	-	-	-	1	24	0.2	1	6	0.1
28.0–28.9.....	-	-	-	-	-	0.2	-	-	0.1
29.0–29.9.....	2	33	0.1	2	13	0.2	5	27	0.6
30.0–30.9.....	7	86	0.5	7	63	0.6	15	70	1.7
31.0–31.9.....	47	667	3.0	70	754	4.4	62	319	7.0
32.0–32.9.....	167	2,515	12.6	226	2,075	14.8	167	912	21.9
33.0–33.9.....	379	5,315	32.8	490	5,099	40.6	318	1,658	49.1
34.0–34.9.....	631	9,430	68.6	593	6,538	73.6	381	1,978	81.5
35.0–35.9.....	396	6,350	92.8	347	4,123	94.4	176	904	96.3
36.0–36.9.....	104	1,634	99.0	80	857	98.7	29	169	99.1
37.0–37.9.....	14	215	99.8	20	219	99.8	7	51	99.9
38.0 or more...	3	50	100.0	5	36	100.0	1	4	100.0
White									
Total.....	1,503	22,836	100.0	1,636	17,657	100.0	1,014	5,399	100.0
Less than 27.0..	-	-	-	1	6	0.0	1	3	0.1
27.0–27.9.....	-	-	-	-	-	0.0	1	6	0.2
28.0–28.9.....	-	-	-	-	-	0.0	-	-	0.2
29.0–29.9.....	1	11	0.0	2	13	0.1	5	27	0.7
30.0–30.9.....	2	28	0.2	3	39	0.3	7	43	1.5
31.0–31.9.....	25	406	1.9	51	585	3.6	37	211	5.4
32.0–32.9.....	116	1,767	9.7	169	1,498	12.1	139	770	19.6
33.0–33.9.....	309	4,357	28.8	430	4,487	37.5	279	1,470	46.9
34.0–34.9.....	567	8,570	66.3	548	5,986	71.4	345	1,800	80.2
35.0–35.9.....	366	5,854	91.9	330	3,945	93.8	166	867	96.3
36.0–36.9.....	100	1,578	98.8	78	845	98.6	27	157	99.2
37.0–37.9.....	14	215	99.8	20	219	99.8	6	42	99.9
38.0 or more...	3	50	100.0	4	32	100.0	1	4	100.0
Black									
Total.....	200	2,572	100.0	184	1,787	100.0	123	537	100.0
Less than 27.0..	-	-	-	1	4	0.2	-	-	-
27.0–27.9.....	-	-	-	1	24	1.6	-	-	-
28.0–28.9.....	-	-	-	-	-	1.6	-	-	-
29.0–29.9.....	1	23	0.9	-	-	1.6	-	-	-
30.0–30.9.....	5	58	3.1	4	24	2.9	8	28	5.1
31.0–31.9.....	20	227	12.0	19	170	12.4	23	92	22.2
32.0–32.9.....	40	534	32.7	55	565	44.0	25	126	45.6
33.0–33.9.....	66	875	66.7	55	496	71.8	31	129	69.5
34.0–34.9.....	47	546	88.0	36	397	94.0	28	135	94.7
35.0–35.9.....	19	281	98.9	11	100	99.6	7	25	99.3
36.0–36.9.....	2	29	100.0	1	3	99.8	1	4	100.0
37.0–37.9.....	-	-	100.0	-	-	99.8	-	-	100.0
38.0 or more...	-	-	100.0	1	3	100.0	-	-	100.0

¹ Does not include sample weights for missing values.

² Includes data for races not shown as separate categories.

Table 35. Cumulative percent distribution of mean corpuscular hemoglobin concentration of females 3–74 years, by age, race, and level of mean corpuscular hemoglobin concentration: United States, 1976–80

Race and mean corpuscular hemoglobin concentration in grams per deciliter	Age								
	3–74 years			3–5 years			6–11 years		
	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent
All races²									
Total.....	8,829	94,332	100.0	896	3,506	100.0	745	8,961	100.0
Less than 27.0..	3	14	0.0	-	-	-	-	-	-
27.0–27.9.....	2	14	0.0	-	-	-	-	-	-
28.0–28.9.....	13	110	0.1	-	-	-	-	-	-
29.0–29.9.....	25	258	0.4	-	-	-	1	20	0.2
30.0–30.9.....	119	1,222	1.7	11	46	1.3	7	80	1.1
31.0–31.9.....	480	4,897	6.9	39	135	5.2	30	332	4.8
32.0–32.9.....	1,441	15,504	23.3	115	404	16.7	86	1,051	16.6
33.0–33.9.....	2,579	27,645	52.6	210	814	39.9	177	2,078	39.7
34.0–34.9.....	2,532	27,394	81.7	269	1,072	70.5	222	2,675	69.6
35.0–35.9.....	1,300	13,750	96.3	182	721	91.1	173	2,110	93.1
36.0–36.9.....	270	2,832	99.3	56	230	97.6	34	424	97.9
37.0–37.9.....	50	564	99.9	11	66	99.5	12	167	99.7
38.0 or more...	15	127	100.0	3	18	100.0	3	23	100.0
White									
Total.....	7,486	81,097	100.0	717	2,860	100.0	601	7,478	100.0
Less than 27.0..	3	14	0.0	-	-	-	-	-	-
27.0–27.9.....	1	5	0.0	-	-	-	-	-	-
28.0–28.9.....	8	73	0.1	-	-	-	-	-	-
29.0–29.9.....	13	162	0.3	-	-	-	1	20	0.3
30.0–30.9.....	60	630	1.1	5	26	0.9	1	7	0.4
31.0–31.9.....	313	3,294	5.2	19	64	3.1	18	191	2.9
32.0–32.9.....	1,134	12,484	20.5	72	244	11.7	58	751	13.0
33.0–33.9.....	2,187	23,622	49.7	167	663	34.9	132	1,652	35.1
34.0–34.9.....	2,273	24,869	80.3	232	941	67.8	195	2,404	67.2
35.0–35.9.....	1,190	12,727	96.0	160	648	90.4	152	1,890	92.5
36.0–36.9.....	249	2,616	99.3	49	192	97.1	32	397	97.8
37.0–37.9.....	45	527	99.9	10	64	99.4	11	157	99.9
38.0 or more...	10	72	100.0	3	18	100.0	1	9	100.0
Black									
Total.....	1,183	11,164	100.0	160	550	100.0	130	1,321	100.0
Less than 27.0..	-	-	-	-	-	-	-	-	-
27.0–27.9.....	1	8	0.1	-	-	-	-	-	-
28.0–28.9.....	5	37	0.4	-	-	-	-	-	-
29.0–29.9.....	12	96	1.3	-	-	-	-	-	-
30.0–30.9.....	56	542	6.1	5	13	2.3	6	73	5.5
31.0–31.9.....	156	1,438	19.0	19	59	13.1	11	114	14.2
32.0–32.9.....	277	2,653	42.8	40	146	39.6	27	284	35.7
33.0–33.9.....	353	3,472	73.9	42	144	65.7	43	406	66.4
34.0–34.9.....	213	1,952	91.4	30	108	85.3	23	234	84.1
35.0–35.9.....	89	801	98.5	18	57	95.6	16	168	96.8
36.0–36.9.....	14	101	99.4	5	22	99.6	2	27	98.8
37.0–37.9.....	4	25	99.7	1	2	100.0	1	9	99.6
38.0 or more...	3	39	100.0	-	-	100.0	1	6	100.0

See footnotes at end of table.

Table 35. Cumulative percent distribution of mean corpuscular hemoglobin concentration of females 3-74 years, by age, race, and level of mean corpuscular hemoglobin concentration: United States, 1976-80—Con.

<i>Race and mean corpuscular hemoglobin concentration in grams per deciliter</i>	<i>Age</i>								
	<i>12-14 years</i>			<i>15-17 years</i>			<i>18-24 years</i>		
	<i>Number of examined persons</i>	<i>Estimated population in thousands¹</i>	<i>Cumulative percent</i>	<i>Number of examined persons</i>	<i>Estimated population in thousands¹</i>	<i>Cumulative percent</i>	<i>Number of examined persons</i>	<i>Estimated population in thousands¹</i>	<i>Cumulative percent</i>
All races²									
Total.....	446	5,237	100.0	426	5,806	100.0	1,009	13,406	100.0
Less than 27.0..	-	-	-	-	-	-	-	-	-
27.0-27.9.....	-	-	-	-	-	-	1	8	0.1
28.0-28.9.....	1	6	0.1	-	-	-	2	17	0.2
29.0-29.9.....	-	-	0.1	3	28	0.5	2	32	0.4
30.0-30.9.....	5	51	1.1	8	109	2.4	13	143	1.5
31.0-31.9.....	23	203	5.0	25	266	6.9	45	546	5.6
32.0-32.9.....	67	778	19.8	71	996	24.1	153	2,056	20.9
33.0-33.9.....	134	1,540	49.2	115	1,574	51.2	350	4,557	54.9
34.0-34.9.....	130	1,536	78.6	120	1,655	79.7	290	4,012	84.8
35.0-35.9.....	78	1,036	98.4	67	924	95.6	119	1,579	96.6
36.0-36.9.....	7	74	99.8	16	234	99.7	27	356	99.3
37.0-37.9.....	1	13	100.0	1	20	100.0	7	101	100.0
38.0 or more...	-	-	100.0	-	-	100.0	-	-	100.0
White									
Total.....	360	4,404	100.0	355	4,949	100.0	846	11,305	100.0
Less than 27.0..	-	-	-	-	-	-	-	-	-
27.0-27.9.....	-	-	-	-	-	-	-	-	-
28.0-28.9.....	-	-	-	-	-	-	1	9	0.1
29.0-29.9.....	-	-	-	1	14	0.3	-	-	0.1
30.0-30.9.....	3	21	0.5	3	41	1.1	4	52	0.5
31.0-31.9.....	11	95	2.6	14	165	4.4	34	385	3.9
32.0-32.9.....	49	615	16.6	54	832	21.3	118	1,681	17.9
33.0-33.9.....	107	1,280	45.7	96	1,295	47.4	290	3,824	51.8
34.0-34.9.....	109	1,320	75.6	106	1,470	77.1	284	3,634	83.9
35.0-35.9.....	73	987	98.0	66	915	95.6	105	1,406	96.3
36.0-36.9.....	7	74	99.7	14	196	99.6	24	323	99.2
37.0-37.9.....	1	13	100.0	1	20	100.0	6	91	100.0
38.0 or more...	-	-	100.0	-	-	100.0	-	-	100.0
Black									
Total.....	80	751	100.0	65	768	100.0	138	1,749	100.0
Less than 27.0..	-	-	-	-	-	-	-	-	-
27.0-27.9.....	-	-	-	-	-	-	1	8	0.5
28.0-28.9.....	1	6	0.7	-	-	-	1	8	0.9
29.0-29.9.....	-	-	0.7	2	14	1.9	2	32	2.8
30.0-30.9.....	2	30	4.7	5	68	10.8	9	91	8.0
31.0-31.9.....	12	109	19.2	11	101	23.8	10	153	16.7
32.0-32.9.....	16	146	38.6	14	133	41.1	30	405	39.9
33.0-33.9.....	24	215	67.2	17	253	74.0	52	620	75.4
34.0-34.9.....	20	197	93.4	14	186	98.2	19	263	90.4
35.0-35.9.....	5	49	100.0	1	8	99.2	11	141	98.4
36.0-36.9.....	-	-	100.0	1	6	100.0	2	18	99.5
37.0-37.9.....	-	-	100.0	-	-	100.0	1	9	100.0
38.0 or more...	-	-	100.0	-	-	100.0	-	-	100.0

See footnotes at end of table.

Table 35. Cumulative percent distribution of mean corpuscular hemoglobin concentration of females 3–74 years, by age, race, and level of mean corpuscular hemoglobin concentration: United States, 1976–80—Con.

Race and mean corpuscular hemoglobin concentration in grams per deciliter	Age								
	25–44 years			45–64 years			65–74 years		
	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent
All races²									
Total.	1,934	27,828	100.0	2,013	21,750	100.0	1,360	7,839	100.0
Less than 27.0	1	7	0.0	-	-	-	2	7	0.1
27.0–27.9	-	-	0.0	-	-	-	1	5	0.2
28.0–28.9	4	31	0.1	2	28	0.1	4	28	0.5
29.0–29.9	6	77	0.4	6	72	0.5	7	29	0.9
30.0–30.9	26	353	1.7	34	369	2.2	15	71	1.8
31.0–31.9	122	1,724	7.9	123	1,284	8.1	73	407	7.0
32.0–32.9	349	5,047	26.0	355	3,758	25.3	245	1,414	25.0
33.0–33.9	585	8,222	55.6	600	6,518	55.3	408	2,342	54.9
34.0–34.9	537	7,787	83.5	580	6,417	84.8	384	2,239	83.5
35.0–35.9	247	3,720	96.9	261	2,670	97.1	173	990	96.1
36.0–36.9	49	755	99.6	43	532	99.5	38	229	99.0
37.0–37.9	5	64	99.9	6	79	99.9	7	55	99.7
38.0 or more	3	40	100.0	3	23	100.0	3	22	100.0
White									
Total.	1,657	23,946	100.0	1,752	19,137	100.0	1,198	7,017	100.0
Less than 27.0	1	7	0.0	-	-	-	2	7	0.1
27.0–27.9	-	-	0.0	-	-	-	1	5	0.2
28.0–28.9	2	15	0.1	1	21	0.1	4	28	0.6
29.0–29.9	5	68	0.4	4	53	0.4	2	6	0.7
30.0–30.9	14	191	1.2	23	252	1.7	7	40	1.2
31.0–31.9	78	1,146	6.0	87	931	6.6	52	318	5.8
32.0–32.9	289	4,169	23.4	284	3,060	22.6	210	1,233	23.3
33.0–33.9	500	6,981	52.5	532	5,836	53.1	363	2,090	53.1
34.0–34.9	488	7,131	82.3	529	5,906	83.9	350	2,062	82.5
35.0–35.9	230	3,483	96.9	242	2,456	96.7	162	942	95.9
36.0–36.9	46	701	99.8	41	520	99.5	36	213	99.0
37.0–37.9	4	53	100.0	6	79	99.9	6	51	99.7
38.0 or more	-	-	100.0	3	23	100.0	3	22	100.0
Black									
Total.	239	3,233	100.0	227	2,096	100.0	144	695	100.0
Less than 27.0	-	-	-	-	-	-	-	-	-
27.0–27.9	-	-	-	-	-	-	-	-	-
28.0–28.9	2	16	0.5	1	7	0.3	-	-	-
29.0–29.9	1	9	0.8	2	19	1.2	5	22	3.2
30.0–30.9	12	162	5.8	9	74	4.8	8	32	7.8
31.0–31.9	41	523	21.9	32	295	18.8	20	84	19.9
32.0–32.9	53	771	45.8	64	600	47.5	33	167	44.0
33.0–33.9	75	1,061	78.6	59	549	73.7	41	224	76.3
34.0–34.9	39	474	93.3	43	381	91.8	25	110	92.1
35.0–35.9	13	176	98.7	16	167	99.8	9	35	97.1
36.0–36.9	1	9	99.0	1	4	100.0	2	16	99.4
37.0–37.9	-	-	99.0	-	-	100.0	1	4	100.0
38.0 or more	2	33	100.0	-	-	100.0	-	-	100.0

¹ Does not include sample weights for missing values.

² Includes data for races not shown as separate categories.

Table 36. Erythrocyte protoporphyrin levels of males 3-74 years with mean, standard deviation, standard error of the mean, and selected percentiles, by race and age: United States, 1976-80

Race and age	Number of examined persons	Estimated population in thousands	Mean	Standard deviation	Standard error of the mean	Percentile								
						5th	10th	15th	25th	50th	75th	85th	90th	95th
Erythrocyte protoporphyrin in micrograms per deciliter red cells														
All races ¹														
3-74 years	8,460	95,136	50.2	23.34	0.49	34.0	37.0	38.0	41.0	47.0	54.1	60.0	64.1	72.1
3-5 years	944	4,695	59.6	26.86	1.34	36.0	40.1	43.0	46.1	55.0	65.0	72.1	78.1	93.1
6-8 years	367	5,336	55.4	15.52	1.04	37.0	41.0	43.0	46.0	53.0	62.0	67.0	71.0	77.0
9-11 years	416	5,310	55.8	14.41	1.11	37.1	41.0	43.0	47.0	53.1	62.1	68.0	71.1	80.0
12-14 years	481	5,920	51.4	12.59	0.83	35.1	37.1	40.0	43.0	49.0	57.0	63.0	67.0	75.1
15-17 years	523	6,320	46.9	11.23	0.84	33.0	36.0	37.0	40.0	45.1	52.0	56.0	59.0	66.0
18-24 years	949	13,275	46.3	9.88	0.56	33.0	36.0	37.1	40.0	45.0	51.0	54.0	58.0	64.0
25-34 years	1,033	15,895	46.6	12.03	0.66	33.0	35.1	37.0	40.0	45.0	51.1	56.0	58.0	64.0
35-44 years	725	11,367	48.2	20.93	0.84	33.0	36.0	37.1	40.0	46.0	52.0	56.1	61.0	68.0
45-54 years	669	11,114	52.3	46.75	1.45	33.1	36.1	38.0	41.0	46.0	54.0	59.0	64.1	77.0
55-64 years	1,191	9,607	52.1	27.25	1.06	35.0	37.0	39.0	42.0	48.0	57.0	62.0	67.1	76.1
65-74 years	1,162	6,297	53.0	21.15	1.02	34.0	37.0	39.0	42.0	49.0	58.1	64.1	70.0	81.0
White														
3-74 years	7,211	81,889	50.0	21.53	0.54	34.0	37.0	38.1	41.0	47.0	54.1	60.0	64.1	71.1
3-5 years	750	3,789	58.3	25.62	1.27	36.0	40.0	42.1	46.0	55.0	64.0	70.0	75.1	86.1
6-8 years	309	4,357	54.8	15.78	1.05	37.0	41.0	42.1	46.0	52.0	61.1	66.1	71.0	77.1
9-11 years	338	4,411	56.3	14.40	1.20	37.0	40.0	43.0	47.1	54.1	63.0	68.1	71.1	80.1
12-14 years	395	4,864	51.1	11.88	0.96	36.0	37.1	40.1	43.0	49.0	57.1	63.0	65.0	74.1
15-17 years	433	5,269	47.0	10.02	0.86	33.0	36.1	38.0	40.1	46.0	52.0	56.0	59.0	64.1
18-24 years	813	11,442	46.7	9.95	0.55	34.0	36.1	38.0	41.0	46.0	51.1	55.0	58.0	64.1
25-34 years	873	13,864	46.7	12.26	0.69	33.0	35.1	37.0	40.0	45.0	51.1	56.0	58.1	64.0
35-44 years	636	9,808	47.4	11.48	0.75	33.0	36.0	38.0	41.0	46.0	52.0	56.0	60.0	67.0
45-54 years	597	9,865	52.0	46.46	1.61	33.1	36.0	38.0	41.0	46.0	54.0	59.0	65.0	77.0
55-64 years	1,055	8,642	51.5	18.29	0.87	35.0	37.0	39.0	42.0	48.0	57.0	62.0	67.1	76.0
65-74 years	1,012	5,576	53.2	21.50	1.08	34.0	37.0	39.0	42.0	49.1	59.0	64.1	70.0	81.0
Black														
3-74 years	1,053	10,583	51.3	35.64	0.82	33.0	35.1	37.0	40.0	46.0	54.0	59.1	65.1	75.1
3-5 years	162	718	64.7	*32.87	*3.13	38.0	41.0	44.0	48.0	58.0	72.0	84.0	92.0	104.1
6-8 years	46	787	58.6	*15.49	*3.27	*	*	46.0	48.0	58.0	66.0	70.1	*	*
9-11 years	69	767	52.8	*14.89	*1.92	*	41.0	43.0	45.0	50.0	58.0	62.0	66.0	*
12-14 years	72	851	51.5	*16.07	*1.62	*	38.0	39.0	42.0	46.1	55.0	67.0	73.0	*
15-17 years	77	867	45.8	*16.64	*2.48	*	32.0	34.0	37.1	42.0	49.1	55.0	59.0	*
18-24 years	116	1,533	42.8	*7.46	*1.11	33.0	34.0	35.0	37.0	42.0	47.0	50.0	51.1	56.0
25-34 years	133	1,546	44.9	8.91	1.17	32.0	35.0	36.1	39.0	44.0	50.0	54.0	56.0	58.0
35-44 years	69	1,112	54.2	*56.67	*6.96	*	35.0	36.0	38.0	43.1	51.0	56.0	61.0	*
45-54 years	61	1,044	56.2	*53.79	*7.55	*	35.1	38.0	41.0	46.0	53.0	57.0	63.0	*
55-64 years	124	801	59.0	*73.18	*7.90	34.0	37.0	38.0	39.1	46.1	56.0	62.0	64.1	108.1
65-74 years	124	555	50.4	16.08	1.80	35.0	36.0	38.0	41.0	46.0	56.0	62.0	68.1	80.1

¹Includes data for races not shown as separate categories.

Table 37. Erythrocyte protoporphyrin levels of females 3-74 years with mean, standard deviation, standard error of the mean, and selected percentiles, by race and age: United States, 1976-80

Race and age	Number of examined persons	Estimated population in thousands	Mean	Standard deviation	Standard error of the mean	Percentile								
						5th	10th	15th	25th	50th	75th	85th	90th	95th
All races ¹														
Erythrocyte protoporphyrin in micrograms per deciliter red cells														
3-74 years	8,839	100,741	56.1	24.05	0.67	37.0	39.1	42.0	45.0	52.0	61.1	68.0	74.0	85.0
3-5 years	855	4,491	59.9	26.75	1.03	37.0	41.0	43.0	46.1	55.0	66.0	73.0	79.0	97.0
6-8 years	358	4,877	56.1	16.12	1.34	35.1	39.0	41.0	45.0	54.0	63.1	69.0	75.1	83.1
9-11 years	387	5,357	55.3	15.77	1.06	36.0	40.0	42.0	45.1	53.0	62.1	68.0	73.1	80.0
12-14 years	452	5,712	54.5	13.52	1.02	37.0	40.0	42.0	45.1	53.0	61.0	67.0	71.0	76.0
15-17 years	430	6,131	53.4	18.56	1.09	37.0	39.0	41.0	43.1	50.1	58.0	63.0	67.1	79.1
18-24 years	1,024	14,173	54.7	19.68	1.25	37.0	39.0	41.0	45.0	51.0	61.0	67.0	71.1	80.1
25-34 years	1,131	16,856	55.3	17.53	0.92	37.0	40.0	42.0	45.0	52.0	61.0	67.1	73.1	84.0
35-44 years	819	12,284	57.1	25.52	1.12	37.1	40.0	42.0	45.0	52.0	61.0	69.0	76.1	92.0
45-54 years	741	11,918	57.4	25.82	1.09	37.0	40.0	42.0	45.1	52.0	62.0	69.1	76.0	93.1
55-64 years	1,280	10,743	57.3	41.77	1.25	35.1	39.0	41.1	44.1	52.0	62.0	69.0	75.0	89.1
65-74 years	1,362	8,198	57.3	20.76	0.97	37.0	40.0	42.0	45.1	54.0	63.0	70.1	77.0	88.0
White														
3-5 years	7,491	86,352	55.9	23.48	0.68	37.0	40.0	42.0	45.0	52.0	62.0	67.1	73.1	83.1
3-5 years	688	3,666	59.0	24.39	1.25	37.0	41.0	43.0	46.0	54.0	64.1	72.0	77.0	92.1
6-8 years	283	4,014	55.7	15.49	1.55	35.0	39.0	41.0	45.0	54.0	63.0	69.0	74.0	82.0
9-11 years	319	4,482	55.6	16.49	1.33	36.0	40.0	42.0	45.0	53.0	63.0	67.1	74.0	81.0
12-14 years	363	4,746	54.6	12.49	0.92	37.0	40.0	43.0	46.1	53.0	61.1	67.1	70.1	74.0
15-17 years	354	5,147	53.1	18.18	1.21	37.0	39.0	41.0	43.0	50.1	58.0	63.0	66.0	71.1
18-24 years	857	11,919	54.3	17.57	1.06	37.0	39.0	41.0	45.0	51.0	61.0	66.1	71.0	78.0
25-34 years	967	14,494	55.3	17.72	0.94	37.0	40.0	42.0	45.0	52.1	61.0	67.1	73.0	82.1
35-44 years	702	10,584	56.7	24.11	1.07	38.0	41.0	42.0	45.0	52.0	61.0	69.0	76.1	92.0
45-54 years	629	10,369	56.6	21.79	0.92	37.0	40.0	42.0	45.1	52.0	62.0	69.0	75.1	89.0
55-64 years	1,130	9,601	57.6	43.78	1.35	35.1	39.0	41.1	44.1	52.0	62.0	69.0	75.1	89.0
65-74 years	1,199	7,329	57.1	19.44	0.95	37.0	40.1	42.0	46.0	54.0	63.0	70.0	76.0	86.1
Black														
3-74 years	1,184	12,107	55.8	25.33	1.26	35.0	38.0	41.0	44.0	50.1	59.1	67.1	74.1	87.1
3-5 years	148	703	64.8	*38.44	*3.06	34.1	40.0	42.0	45.1	56.0	70.1	80.0	91.1	117.1
6-8 years	67	729	57.4	*20.03	*2.64	*	38.0	41.0	45.0	52.0	68.0	77.1	84.0	*
9-11 years	62	811	53.2	*11.38	*1.91	*	40.0	41.0	45.0	53.0	59.0	69.0	69.1	*
12-14 years	83	846	54.9	*18.82	*3.02	*	40.0	41.0	44.0	49.0	60.0	68.0	80.0	*
15-17 years	69	871	54.8	*21.20	*2.88	*	38.0	41.0	43.0	50.0	59.0	72.1	79.1	*
18-24 years	141	1,873	56.6	*30.32	*3.94	34.0	38.0	39.0	42.1	49.1	59.0	66.0	69.1	119.0
25-34 years	139	1,953	52.5	*13.46	*1.78	35.1	39.0	40.1	44.0	50.0	59.0	65.0	67.1	76.0
35-44 years	102	1,415	59.0	*33.51	*4.32	37.0	37.0	38.1	44.0	53.0	61.0	67.1	75.1	120.0
45-54 years	97	1,215	56.8	*34.71	*3.91	*	37.1	40.0	44.0	50.0	59.0	69.0	73.1	*
55-64 years	132	959	53.4	*18.05	*2.69	37.0	40.0	41.0	43.1	50.0	57.0	62.0	71.1	79.0
65-74 years	144	733	55.0	18.99	2.17	34.0	35.0	38.0	42.0	51.0	62.0	71.1	79.0	90.0

¹Includes data for races not shown as separate categories.

Table 38. Erythrocyte protoporphyrin levels of persons 3-74 years with age-adjusted mean and standard error of the age-adjusted mean, by poverty status, sex, race, and age: United States, 1978-80

Sex, race, and age	Poverty status							
	Poverty				Nonpoverty			
	Number of examined persons	Estimated population in thousands ¹	Age-adjusted mean	Standard error of the age-adjusted mean	Number of examined persons	Estimated population in thousands ¹	Age-adjusted mean	Standard error of the age-adjusted mean
	Erythrocyte protoporphyrin in micrograms per deciliter red cells				Erythrocyte protoporphyrin in micrograms per deciliter red cells			
MALE								
All races²								
3-74 years.....	1,201	10,875	52.9	0.78	6,958	80,651	49.8	0.52
3-17 years.....	551	4,529	56.9	1.19	2,098	22,101	52.3	0.72
18-44 years.....	318	4,163	49.6	2.36	2,299	35,058	46.9	0.54
45-64 years.....	170	1,424	56.5	3.98	1,604	18,180	51.9	0.94
65-74 years.....	162	759	56.9	3.11	957	5,312	52.6	1.06
White								
3-74 years.....	796	7,347	53.4	1.33	6,191	71,712	49.6	0.53
3-17 years.....	331	2,741	58.2	1.55	1,834	19,167	52.0	0.75
18-44 years.....	227	2,976	48.5	1.03	2,033	31,168	46.9	0.55
45-64 years.....	124	1,080	58.5	4.72	1,459	16,524	51.3	0.85
65-74 years.....	114	551	58.2	3.95	865	4,853	52.8	1.08
Black								
3-74 years.....	363	3,043	52.3	3.23	629	6,931	51.2	1.38
3-17 years.....	198	1,583	55.0	1.42	211	2,272	52.9	1.31
18-44 years.....	76	940	54.5	*10.36	220	2,987	45.3	0.97
45-64 years.....	45	341	49.3	*3.98	124	1,325	59.3	*7.42
65-74 years.....	44	179	*49.0	*2.05	74	347	51.1	*2.97
FEMALE								
All races²								
3-74 years.....	1,578	15,251	60.4	1.47	6,919	81,732	55.4	0.67
3-17 years.....	561	5,098	59.4	1.04	1,836	20,504	54.4	0.78
18-44 years.....	508	6,612	58.9	1.66	2,379	35,364	55.0	0.92
45-64 years.....	264	2,296	66.0	4.46	1,863	19,357	56.2	0.84
65-74 years.....	245	1,245	59.4	2.86	1,041	6,507	57.3	0.87
White								
3-74 years.....	1,037	10,309	61.2	1.84	6,189	73,098	55.2	0.66
3-17 years.....	319	3,071	60.8	1.16	1,625	18,262	54.3	0.81
18-44 years.....	346	4,641	59.0	1.84	2,109	31,244	54.9	0.89
45-64 years.....	183	1,607	67.7	5.62	1,506	17,624	55.8	0.74
65-74 years.....	189	990	58.9	2.83	949	5,967	57.2	2.70
Black								
3-74 years.....	510	4,604	57.7	1.82	608	6,880	55.0	1.36
3-17 years.....	228	1,888	57.5	1.82	180	1,856	55.6	1.84
18-44 years.....	154	1,846	56.9	*2.60	217	3,252	55.2	2.29
45-64 years.....	76	640	60.2	*5.11	133	1,332	64.0	*3.93
65-74 years.....	52	230	52.6	*2.56	78	440	55.8	*1.61

¹ Does not include sample weights for unknown poverty index.

² Includes data for races not shown as separate categories.

Table 39. Cumulative percent distribution of erythrocyte protoporphyrin of males 3-74 years, by age, race, and level of erythrocyte protoporphyrin: United States, 1976-80

Race and erythrocyte protoporphyrin in micrograms per deciliter	Age								
	3-74 years			3-5 years			6-11 years		
	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent
All races²									
Total.....	8,460	90,137	100.0	944	3,619	100.0	783	9,266	100.0
Less than 30 ...	70	770	0.9	4	14	0.4	1	13	0.1
30-39	1,415	16,658	19.3	78	322	9.3	60	766	8.4
40-49	3,134	35,658	58.9	220	877	33.5	220	2,558	36.0
50-59	2,239	23,210	84.6	274	1,086	63.5	250	2,990	68.3
60-69	906	8,309	93.9	181	674	82.2	157	1,889	88.7
70-79	339	2,758	96.9	87	314	90.8	55	642	95.8
80-89	129	1,112	98.2	30	111	93.9	19	210	97.9
90-99	75	534	98.8	21	64	95.7	9	81	98.7
100-149	111	815	99.7	37	119	99.0	9	92	99.7
150-199	16	107	99.8	4	9	99.2	3	25	100.0
200-299	14	86	99.9	4	18	99.7	-	-	100.0
300 or more ...	12	119	100.0	4	11	100.0	-	-	100.0
White									
Total.....	7,211	77,788	100.0	750	2,914	100.0	647	7,714	100.0
Less than 30 ...	58	617	0.8	4	14	0.5	-	-	-
30-39	1,176	14,022	18.8	63	270	9.8	52	700	9.1
40-49	2,685	31,077	58.8	177	708	34.0	174	2,086	36.1
50-59	1,949	20,289	84.9	230	912	65.3	205	2,469	68.1
60-69	783	7,222	94.1	147	566	84.7	134	1,576	88.5
70-79	286	2,301	97.1	69	251	93.4	48	527	95.4
80-89	108	987	98.4	19	61	95.4	17	193	97.9
90-99	57	434	98.9	12	32	96.5	8	74	98.8
100-149	80	604	99.7	23	76	99.2	6	66	99.7
150-199	13	100	99.8	1	2	99.2	3	25	100.0
200-299	11	71	99.9	3	16	99.8	-	-	100.0
300 or more ...	7	63	100.0	2	7	100.0	-	-	100.0
Black									
Total.....	1,053	9,856	100.0	162	563	100.0	115	1,275	100.0
Less than 30 ...	12	131	1.3	-	-	-	1	13	1.0
30-39	212	2,241	24.1	13	40	7.0	8	67	6.3
40-49	397	3,837	63.0	38	145	32.8	42	423	39.4
50-59	237	2,197	85.3	38	144	58.3	35	378	69.0
60-69	87	720	92.6	25	81	72.6	18	246	88.3
70-79	40	317	95.8	15	49	81.4	5	98	96.0
80-89	17	91	96.7	9	38	88.1	2	17	97.3
90-99	15	63	97.4	8	26	92.7	1	8	97.9
100-149	25	181	99.2	10	29	97.8	3	26	100.0
150-199	3	7	99.3	3	7	99.0	-	-	100.0
200-299	3	15	99.4	1	2	99.3	-	-	100.0
300 or more ...	5	55	100.0	2	4	100.0	-	-	100.0

See footnotes at end of table.

Table 39. Cumulative percent distribution of erythrocyte protoporphyrin of males 3-74 years, by age, race, and level of erythrocyte protoporphyrin: United States, 1976-80—Con.

Race and erythrocyte protoporphyrin in micrograms per deciliter	Age								
	12-14 years			15-17 years			18-24 years		
	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent
All races²									
Total.....	481	5,701	100.0	523	6,170	100.0	949	12,723	100.0
Less than 30...	3	33	0.6	10	127	2.1	13	180	1.4
30-39.....	63	769	14.1	109	1,306	23.2	207	2,660	22.3
40-49.....	181	2,120	51.3	230	2,736	67.6	421	5,928	68.9
50-59.....	144	1,727	81.6	123	1,404	90.3	228	2,894	91.7
60-69.....	53	592	91.9	36	419	97.1	62	845	98.3
70-79.....	20	246	96.3	8	99	98.7	10	131	99.3
80-89.....	11	149	98.9	3	34	99.3	3	37	99.6
90-99.....	1	10	99.1	2	21	99.6	1	9	99.7
100-149.....	5	54	100.0	2	23	100.0	4	39	100.0
150-199.....	-	-	100.0	-	-	100.0	-	-	100.0
200-299.....	-	-	100.0	-	-	100.0	-	-	100.0
300 or more...	-	-	100.0	-	-	100.0	-	-	100.0
White									
Total.....	395	4,719	100.0	433	5,154	100.0	813	10,970	100.0
Less than 30...	3	33	0.7	6	81	1.2	11	163	1.5
30-39.....	49	605	13.5	85	1,039	21.4	161	2,074	20.4
40-49.....	146	1,768	51.0	194	2,332	66.6	363	5,194	67.7
50-59.....	123	1,457	81.9	105	1,230	90.5	207	2,608	91.5
60-69.....	48	524	93.0	32	366	97.6	55	748	98.3
70-79.....	13	166	96.5	6	71	98.9	9	108	99.3
80-89.....	10	139	99.4	3	34	99.6	2	26	99.6
90-99.....	1	10	99.6	2	21	100.0	1	9	99.6
100-149.....	2	18	100.0	-	-	100.0	4	39	100.0
150-199.....	-	-	100.0	-	-	100.0	-	-	100.0
200-299.....	-	-	100.0	-	-	100.0	-	-	100.0
300 or more...	-	-	100.0	-	-	100.0	-	-	100.0
Black									
Total.....	72	783	100.0	77	859	100.0	116	1,463	100.0
Less than 30...	-	-	-	3	48	5.6	2	17	1.1
30-39.....	13	155	19.8	23	280	35.8	41	508	35.9
40-49.....	32	305	58.7	31	339	75.3	53	667	81.5
50-59.....	15	171	80.5	14	138	91.4	16	228	97.0
60-69.....	3	43	85.9	3	42	96.2	4	44	100.0
70-79.....	7	80	96.2	1	9	97.3	-	-	100.0
80-89.....	-	-	96.2	-	-	97.3	-	-	100.0
90-99.....	-	-	96.2	-	-	97.3	-	-	100.0
100-149.....	2	30	100.0	2	23	100.0	-	-	100.0
150-199.....	-	-	100.0	-	-	100.0	-	-	100.0
200-299.....	-	-	100.0	-	-	100.0	-	-	100.0
300 or more...	-	-	100.0	-	-	100.0	-	-	100.0

See footnotes at end of table.

Table 39. Cumulative percent distribution of erythrocyte protoporphyrin of males 3-74 years, by age, race, and level of erythrocyte protoporphyrin: United States, 1976-80—Con.

Race and erythrocyte protoporphyrin in micrograms per deciliter	Age								
	25-44 years			45-64 years			65-74 years		
	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent
All races²									
Total.....	1,758	26,440	100.0	1,860	20,119	100.0	1,162	6,099	100.0
Less than 30...	17	258	1.0	12	106	0.5	10	40	0.7
30-39.....	381	6,106	24.1	329	3,683	18.8	188	1,045	17.8
40-49.....	751	11,227	66.5	726	8,175	59.5	385	2,037	51.2
50-59.....	438	6,373	90.6	472	5,128	85.0	310	1,607	77.5
60-69.....	111	1,655	96.9	162	1,493	92.4	144	743	89.7
70-79.....	25	302	98.0	71	718	95.9	63	307	94.7
80-89.....	15	204	98.8	31	277	97.3	17	90	96.2
90-99.....	7	99	99.2	13	158	98.1	21	92	97.7
100-149.....	9	172	99.8	27	211	99.2	18	104	99.4
150-199.....	1	12	99.9	7	57	99.4	1	4	99.5
200-299.....	2	17	99.9	4	23	99.6	4	28	100.0
300 or more...	1	17	100.0	8	89	100.0	1	2	100.0
White									
Total.....	1,509	22,970	100.0	1,652	17,955	100.0	1,012	5,392	100.0
Less than 30...	13	213	0.9	11	99	0.6	8	33	0.6
30-39.....	322	5,231	23.7	288	3,238	18.6	156	866	16.7
40-49.....	639	9,794	66.3	653	7,385	59.7	339	1,812	50.3
50-59.....	385	5,617	90.8	419	4,539	85.0	276	1,457	77.3
60-69.....	99	1,445	97.1	141	1,322	92.4	127	674	89.8
70-79.....	21	242	98.1	65	661	96.0	55	276	94.9
80-89.....	14	193	99.0	28	260	97.5	15	82	96.4
90-99.....	6	74	99.3	12	144	98.3	15	71	97.7
100-149.....	8	142	99.9	21	177	99.3	16	87	99.4
150-199.....	1	12	100.0	7	57	99.6	1	4	99.4
200-299.....	1	8	100.0	3	19	99.7	4	28	100.0
300 or more...	-	-	100.0	4	54	100.0	1	2	100.0
Black									
Total.....	202	2,574	100.0	185	1,796	100.0	124	542	100.0
Less than 30...	4	43	1.7	1	7	0.4	1	4	0.7
30-39.....	51	706	29.1	38	384	21.8	25	123	23.3
40-49.....	96	1,111	72.2	83	650	58.0	42	197	59.6
50-59.....	40	519	92.4	48	496	85.6	31	125	82.7
60-69.....	6	111	96.7	18	114	92.0	10	40	90.1
70-79.....	1	17	97.4	4	40	94.2	7	23	94.3
80-89.....	1	11	97.8	3	17	95.1	2	8	95.7
90-99.....	-	-	97.8	1	14	95.9	5	16	98.7
100-149.....	1	31	99.0	6	35	97.8	1	7	100.0
150-199.....	-	-	99.0	-	-	97.8	-	-	100.0
200-299.....	1	9	99.4	1	4	98.1	-	-	100.0
300 or more...	1	17	100.0	2	35	100.0	-	-	100.0

¹Does not include sample weights for missing values.

²Includes data for races not shown as separate categories.

Table 40. Cumulative percent distribution of erythrocyte protoporphyrin of females 3-74 years, by age, race, and level of erythrocyte protoporphyrin: United States, 1976-80

Race and erythrocyte protoporphyrin in micrograms per deciliter red cells	Age								
	3-74 years			3-5 years			6-11 years		
	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent
All races²									
Total.....	8,839	95,093	100.0	855	3,334	100.0	745	8,948	100.0
Less than 30...	34	336	0.4	6	25	0.8	3	38	0.4
30-39.....	791	9,232	10.1	68	272	8.9	67	839	9.8
40-49.....	2,570	28,709	40.3	210	822	33.6	192	2,378	36.4
50-59.....	2,724	29,427	71.2	255	979	62.9	235	2,808	67.8
60-69.....	1,433	14,727	86.7	150	600	80.9	145	1,727	87.1
70-79.....	630	6,247	93.3	81	310	90.2	56	609	93.9
80-89.....	282	2,599	96.0	33	122	93.9	30	327	97.5
90-99.....	123	1,260	97.3	17	60	95.7	9	139	99.1
100-149.....	179	1,854	99.3	22	83	98.2	5	57	99.7
150-199.....	37	380	99.7	7	31	99.1	2	15	99.9
200-299.....	25	250	99.9	5	27	99.9	1	10	100.0
300 or more...	11	73	100.0	1	3	100.0	-	-	100.0
White									
Total.....	7,491	81,629	100.0	688	2,747	100.0	602	7,467	100.0
Less than 30...	28	309	0.4	4	20	0.7	2	32	0.4
30-39.....	644	7,702	9.8	51	226	9.0	55	712	10.0
40-49.....	2,161	24,642	40.0	175	703	34.5	153	1,983	36.5
50-59.....	2,335	25,257	70.9	210	814	64.1	191	2,302	67.3
60-69.....	1,263	13,152	87.1	123	495	82.2	121	1,485	87.2
70-79.....	535	5,330	93.6	65	251	91.3	44	492	93.8
80-89.....	235	2,202	96.3	25	93	94.7	22	259	97.3
90-99.....	97	1,071	97.6	11	39	96.1	8	133	99.1
100-149.....	138	1,450	99.4	14	59	98.2	4	49	99.7
150-199.....	29	279	99.7	7	31	99.4	1	10	99.9
200-299.....	19	189	99.9	3	17	100.0	1	10	100.0
300 or more...	7	45	100.0	-	-	100.0	-	-	100.0
Black									
Total.....	1,184	11,295	100.0	148	492	100.0	129	1,319	100.0
Less than 30...	5	19	0.2	2	5	1.1	1	6	0.5
30-39.....	136	1,420	12.7	15	42	9.6	12	127	10.1
40-49.....	377	3,642	45.0	33	113	32.5	36	372	38.3
50-59.....	338	3,418	75.2	40	134	59.7	40	434	71.2
60-69.....	149	1,351	87.2	21	71	74.2	21	214	87.3
70-79.....	76	616	92.7	15	53	84.9	9	89	94.1
80-89.....	40	322	95.5	6	19	88.8	7	59	98.6
90-99.....	17	94	96.3	5	19	92.6	1	5	99.0
100-149.....	31	264	98.7	8	24	97.4	1	8	99.6
150-199.....	8	101	99.6	-	-	97.4	1	5	100.0
200-299.....	4	27	99.8	2	10	99.5	-	-	100.0
300 or more...	3	21	100.0	1	3	100.0	-	-	100.0

See footnotes at end of table.

Table 40. Cumulative percent distribution of erythrocyte protoporphyrin of females 3–74 years, by age, race, and level of erythrocyte protoporphyrin: United States, 1976–80—Cont.

Race and erythrocyte protoporphyrin in micrograms per deciliter red cells	Age								
	12–14 years			15–17 years			18–24 years		
	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent
All races²									
Total.....	452	5,319	100.0	430	5,872	100.0	1,024	13,644	100.0
Less than 30...	1	18	0.3	-	-	-	2	29	0.2
30–39.....	43	474	9.3	49	687	11.7	113	1,591	11.9
40–49.....	140	1,551	38.4	152	2,052	46.6	320	4,241	42.9
50–59.....	140	1,763	71.8	139	1,948	79.8	305	4,089	72.9
60–69.....	73	858	87.7	55	698	91.7	167	2,182	88.9
70–79.....	33	430	95.8	12	209	95.2	64	826	95.0
80–89.....	16	152	98.6	10	112	97.1	19	254	96.8
90–99.....	2	17	98.9	2	20	97.5	10	139	97.8
100–149.....	4	57	100.0	7	93	99.1	18	220	99.5
150–199.....	-	-	100.0	3	46	99.9	4	58	99.9
200–299.....	-	-	100.0	1	8	100.0	1	9	99.9
300 or more...	-	-	100.0	-	-	100.0	1	8	100.0
White									
Total.....	363	4,445	100.0	354	4,949	100.0	857	11,465	100.0
Less than 30...	1	18	0.4	-	-	-	2	29	0.2
30–39.....	34	394	9.3	37	576	11.6	91	1,276	11.4
40–49.....	100	1,175	35.7	124	1,712	46.2	262	3,517	42.1
50–59.....	121	1,549	70.6	118	1,679	80.2	261	3,494	72.5
60–69.....	62	781	87.7	50	630	92.9	146	1,909	89.2
70–79.....	31	406	96.8	10	158	96.1	57	734	95.6
80–89.....	9	88	98.8	6	68	97.5	16	223	97.5
90–99.....	2	17	99.2	2	20	97.9	7	99	98.4
100–149.....	3	37	100.0	4	64	99.1	12	154	99.7
150–199.....	-	-	100.0	2	35	99.8	2	23	99.9
200–299.....	-	-	100.0	1	8	100.0	-	-	99.9
300 or more...	-	-	100.0	-	-	100.0	1	8	100.0
Black									
Total.....	83	771	100.0	69	810	100.0	141	1,806	100.0
Less than 30...	-	-	-	-	-	-	-	-	-
30–39.....	8	80	7.8	11	102	12.6	20	280	15.5
40–49.....	37	340	51.9	26	301	49.7	50	625	50.1
50–59.....	17	166	73.5	18	211	75.8	36	491	77.3
60–69.....	11	97	86.0	5	69	84.2	19	233	90.2
70–79.....	2	23	89.0	2	51	90.5	4	35	92.1
80–89.....	7	65	97.5	4	44	95.8	2	24	93.5
90–99.....	-	-	97.5	-	-	95.8	1	8	93.9
100–149.....	1	19	100.0	2	22	98.5	6	65	97.6
150–199.....	-	-	100.0	1	12	100.0	2	35	99.5
200–299.....	-	-	100.0	-	-	100.0	1	9	100.0
300 or more...	-	-	100.0	-	-	100.0	-	-	100.0

See footnotes at end of table.

Table 40. Cumulative percent distribution of erythrocyte protoporphyrin of females 3-74 years, by age, race, and level of erythrocyte protoporphyrin: United States, 1976-80—Con.

Race and erythrocyte protoporphyrin in micrograms per deciliter red cells	Age								
	25-44 years			45-64 years			65-74 years		
	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent
All races²									
Total.....	1,950	28,244	100.0	2,021	21,899	100.0	1,362	7,832	100.0
Less than 30...	5	97	0.3	13	111	0.5	4	18	0.2
30-39.....	163	2,536	9.3	185	2,146	10.3	103	686	9.0
40-49.....	589	8,879	40.8	590	6,594	40.4	377	2,193	37.0
50-59.....	604	8,837	72.0	631	6,649	70.8	415	2,353	67.0
60-69.....	297	4,085	86.5	299	3,218	85.5	247	1,359	84.4
70-79.....	133	1,744	92.7	145	1,531	92.5	106	589	91.9
80-89.....	67	855	95.7	58	511	94.8	49	266	95.3
90-99.....	30	411	97.2	32	369	96.5	21	104	96.6
100-149.....	45	598	99.3	49	551	99.0	29	196	99.1
150-199.....	9	118	99.7	5	61	99.3	7	50	99.8
200-299.....	6	67	99.9	8	119	99.8	3	11	99.9
300 or more...	2	16	100.0	6	40	100.0	1	6	100.0
White									
Total.....	1,669	24,265	100.0	1,759	19,282	100.0	1,199	7,009	100.0
Less than 30...	5	97	0.4	11	99	0.5	3	14	0.2
30-39.....	134	2,076	9.0	155	1,871	10.2	87	589	8.3
40-49.....	509	7,734	40.8	509	5,845	40.5	329	1,973	36.5
50-59.....	511	7,536	71.9	548	5,732	70.3	375	2,152	67.2
60-69.....	262	3,601	86.7	278	3,028	86.0	221	1,243	84.9
70-79.....	115	1,494	92.9	122	1,286	92.6	91	509	92.2
80-89.....	58	737	95.9	55	489	95.2	44	248	95.7
90-99.....	26	363	97.4	27	331	96.9	14	68	96.7
100-149.....	37	484	99.4	38	426	99.1	26	178	99.2
150-199.....	7	85	99.8	4	50	99.4	6	44	99.8
200-299.....	4	49	100.0	7	95	99.8	3	11	100.0
300 or more...	1	7	100.0	5	30	100.0	-	-	100.0
Black									
Total.....	241	3,284	100.0	229	2,126	100.0	144	686	100.0
Less than 30...	-	-	-	1	4	0.2	1	3	0.5
30-39.....	27	439	13.4	28	255	12.2	15	114	17.1
40-49.....	69	945	42.1	80	741	47.0	46	206	47.2
50-59.....	84	1,111	76.0	69	712	80.5	34	159	70.4
60-69.....	32	437	89.3	18	148	87.5	22	84	82.6
70-79.....	12	157	94.0	19	146	94.4	13	62	91.6
80-89.....	7	87	96.7	2	5	94.6	5	18	94.2
90-99.....	2	20	97.3	3	19	95.5	5	23	97.6
100-149.....	4	39	98.5	7	75	99.1	2	11	99.2
150-199.....	2	33	99.5	1	10	99.5	1	6	100.0
200-299.....	1	8	99.7	-	-	99.5	-	-	100.0
300 or more...	1	9	100.0	1	10	100.0	-	-	100.0

¹Does not include sample weights for missing values.

²Includes data for races not shown as separate categories.

Table 41. Serum iron levels of males 3-74 years with mean, standard deviation, standard error of the mean, and selected percentiles, by race and age: United States, 1976-80

Race and age	Number of examined persons	Estimated population in thousands	Mean	Standard deviation	Standard error of the mean	Percentile								
						5th	10th	15th	25th	50th	75th	85th	90th	95th
All races¹						Serum iron in micrograms per deciliter								
3-74 years.....	8,311	95,136	103.2	36.21	0.52	53.0	62.0	68.1	78.1	100.0	123.1	138.2	149.0	166.2
3-5 years.....	843	4,695	85.0	34.34	1.25	33.1	44.0	52.1	62.1	81.0	104.1	118.0	134.1	146.1
6-8 years.....	338	5,336	86.3	31.55	1.99	38.0	46.0	53.1	65.0	84.0	107.1	120.0	125.1	149.1
9-11 years.....	406	5,310	87.7	31.38	1.69	43.0	48.1	55.0	65.0	86.1	108.0	120.1	129.0	139.2
12-14 years.....	472	5,920	97.6	32.00	1.63	51.0	61.1	66.1	74.1	94.1	118.1	130.2	139.0	150.1
15-17 years.....	518	6,320	110.3	36.13	1.86	61.0	68.1	74.1	85.0	104.1	133.0	146.2	159.0	175.0
18-24 years.....	946	13,275	114.3	39.84	1.30	59.0	69.1	76.1	87.0	110.1	135.2	152.0	164.1	187.1
25-34 years.....	1,036	15,895	111.1	37.02	1.19	59.0	69.0	76.0	86.1	106.1	132.2	148.1	158.1	180.1
35-44 years.....	727	11,367	103.1	35.17	1.46	58.0	65.0	69.1	78.1	98.1	122.0	135.2	144.2	164.1
45-54 years.....	672	11,114	100.2	31.91	1.47	54.1	61.1	69.1	78.0	97.1	119.1	132.0	143.1	156.0
55-64 years.....	1,196	9,607	100.7	34.16	1.17	53.1	61.0	67.0	76.1	99.0	120.1	134.1	143.0	158.1
65-74 years.....	1,157	6,297	100.3	34.82	1.64	54.0	61.0	68.0	76.0	97.0	119.1	131.1	143.2	160.1
White														
3-74 years.....	7,112	81,889	103.9	36.18	0.48	53.0	63.0	69.0	79.0	100.1	124.0	139.1	149.2	167.1
3-5 years.....	678	3,789	85.8	35.07	1.30	35.0	44.0	53.0	62.0	81.0	106.1	120.1	135.2	147.0
6-8 years.....	284	4,357	87.4	32.22	2.15	39.0	45.1	54.0	65.0	84.1	108.1	120.1	129.1	150.2
9-11 years.....	333	4,411	89.3	32.01	1.97	45.0	51.0	56.0	67.0	87.0	110.1	122.0	130.0	140.1
12-14 years.....	390	4,864	98.4	32.05	1.66	52.0	62.0	67.1	75.0	95.0	118.1	131.1	139.0	150.1
15-17 years.....	430	5,269	110.7	35.86	2.05	61.0	69.1	75.1	86.1	105.1	133.0	146.1	159.0	169.2
18-24 years.....	813	11,442	114.0	40.91	1.37	58.0	69.1	76.0	86.0	109.1	135.1	152.1	167.0	189.2
25-34 years.....	876	13,864	111.2	36.54	1.36	60.0	69.1	76.1	87.1	106.0	134.0	148.1	158.2	178.2
35-44 years.....	640	9,808	103.4	35.51	1.65	58.0	65.1	70.1	79.0	99.1	122.0	135.1	147.0	164.2
45-54 years.....	600	9,865	102.0	31.31	1.43	56.0	65.1	71.1	79.1	99.1	121.0	133.1	143.2	156.0
55-64 years.....	1,060	8,642	101.7	34.06	1.18	54.0	62.0	67.1	77.1	100.0	121.1	136.1	145.0	158.2
65-74 years.....	1,008	5,576	101.3	34.68	1.75	54.0	61.0	69.0	77.1	98.1	120.1	131.2	143.2	160.2
Black														
3-74 years.....	1,008	10,583	97.1	35.93	2.05	50.0	57.0	63.0	72.1	93.0	117.1	132.1	143.0	158.2
3-5 years.....	136	718	80.0	*30.65	*2.69	33.0	42.0	49.1	60.0	80.1	95.0	108.1	116.1	131.1
6-8 years.....	42	787	*80.5	*28.12	*6.08	*	*	53.0	65.0	80.0	103.1	109.0	*	*
9-11 years.....	64	767	80.8	*27.02	*3.28	*	42.1	54.0	64.0	79.1	97.1	107.1	113.1	*
12-14 years.....	68	851	94.7	*29.69	*3.82	*	60.0	66.1	73.1	91.1	121.1	125.1	134.1	*
15-17 years.....	75	867	105.5	*36.04	*3.94	*	63.1	68.1	79.1	103.0	125.0	143.0	151.0	*
18-24 years.....	114	1,533	115.8	*33.72	*4.07	63.0	69.1	81.1	95.0	113.0	141.0	151.1	155.1	167.2
25-34 years.....	133	1,546	107.2	41.77	2.81	54.0	60.0	71.1	79.0	102.1	127.0	142.2	155.1	181.2
35-44 years.....	68	1,112	99.5	*31.42	*3.81	*	62.1	68.1	76.1	96.0	121.0	135.1	137.1	*
45-54 years.....	61	1,044	85.2	*34.68	*8.37	*	51.0	58.0	61.1	82.1	96.1	108.1	123.0	*
55-64 years.....	124	801	91.0	*35.39	*3.96	48.0	55.0	59.0	66.0	86.0	104.0	124.0	133.2	142.2
65-74 years.....	123	555	87.4	31.42	3.29	42.0	54.0	58.1	67.0	84.0	102.0	114.1	126.0	154.1

¹Includes data for races not shown as separate categories.

Table 42. Serum iron levels of females 3-74 years with mean, standard deviation, standard error of the mean, and selected percentiles, by race and age: United States, 1976-80

Race and age	Number of examined persons	Estimated population in thousands	Mean	Standard deviation	Standard error of the mean	Percentile								
						5th	10th	15th	25th	50th	75th	85th	90th	95th
All races ¹						Serum iron in micrograms per deciliter								
3-74 years.....	8,678	100,741	96.6	35.85	0.55	46.0	55.1	62.0	72.0	92.1	116.1	131.2	142.2	162.1
3-5 years.....	730	4,491	85.4	32.12	1.22	32.0	44.0	53.1	62.0	84.1	106.1	118.1	129.1	142.2
6-8 years.....	338	4,877	87.5	29.82	2.19	40.0	51.0	57.0	66.1	85.1	106.0	120.1	128.1	141.2
9-11 years.....	380	5,357	93.8	31.42	2.32	49.1	60.0	64.0	71.0	90.0	115.0	125.1	132.1	147.1
12-14 years.....	447	5,712	98.6	33.33	1.49	45.0	57.0	64.1	78.1	96.1	118.1	131.2	143.0	162.1
15-17 years.....	428	6,131	99.8	39.71	2.13	43.0	48.1	58.0	71.0	96.1	122.1	142.2	157.1	166.2
18-24 years.....	1,023	14,173	103.8	39.78	1.49	48.0	56.1	64.1	76.1	98.1	128.1	143.0	157.1	173.2
25-34 years.....	1,131	16,856	102.1	40.31	1.62	47.0	59.0	64.1	74.0	95.1	124.1	139.2	154.1	176.0
35-44 years.....	822	12,284	93.5	37.03	1.32	39.1	51.0	58.0	68.1	89.1	115.0	130.1	140.2	159.0
45-54 years.....	740	11,918	93.6	33.33	0.98	47.0	56.0	61.0	70.1	90.1	113.1	125.0	138.1	155.2
55-64 years.....	1,277	10,743	93.9	29.65	1.25	53.0	60.0	64.1	74.1	90.0	111.1	123.1	131.2	145.2
65-74 years.....	1,362	8,198	92.3	28.25	1.06	51.0	59.0	65.0	73.1	90.1	108.1	120.1	127.0	142.1
White														
3-74 years.....	7,375	86,352	97.6	35.84	0.56	46.1	57.0	63.0	73.0	93.1	117.1	132.2	144.2	163.1
3-5 years.....	595	3,666	85.4	32.74	1.39	30.0	42.0	53.0	61.1	85.1	106.1	120.0	129.2	142.2
6-8 years.....	267	4,014	87.7	29.98	1.99	43.0	51.0	57.0	66.1	85.1	107.0	121.1	128.1	142.1
9-11 years.....	313	4,482	94.6	32.09	2.61	49.0	59.1	64.0	71.1	91.0	115.1	126.1	132.2	148.2
12-14 years.....	358	4,746	98.9	33.40	1.67	46.0	58.0	66.0	78.1	96.1	118.1	131.1	143.2	163.1
15-17 years.....	353	5,147	100.6	40.59	2.43	42.1	49.0	58.0	70.1	97.0	124.1	145.2	157.2	170.2
18-24 years.....	856	11,919	105.5	40.05	1.34	49.0	58.0	65.1	78.1	101.1	129.2	147.1	160.2	177.2
25-34 years.....	968	14,494	103.6	40.54	1.78	48.0	60.0	65.1	75.0	97.1	127.0	144.2	156.2	177.2
35-44 years.....	705	10,584	94.3	37.11	1.63	42.0	51.0	58.0	68.0	90.1	117.0	131.1	142.1	158.2
45-54 years.....	629	10,369	94.4	31.96	1.03	47.0	57.1	63.0	71.1	92.1	114.1	125.1	138.1	155.2
55-64 years.....	1,131	9,601	95.2	28.80	1.33	54.0	61.0	66.0	76.1	92.0	112.1	123.1	132.0	145.1
65-74 years.....	1,200	7,329	93.0	28.42	1.19	52.0	59.1	65.1	74.0	92.0	108.1	120.1	126.1	144.2
Black														
3-74 years.....	1,144	12,107	89.5	34.20	1.30	44.0	52.0	58.0	67.0	85.0	107.1	120.0	133.0	146.1
3-5 years.....	119	703	83.3	*28.19	*2.65	39.0	50.0	55.1	65.0	82.0	100.1	116.0	121.1	135.2
6-8 years.....	63	729	84.3	*28.63	*5.85	*	46.1	53.0	65.0	83.1	100.1	113.1	125.0	*
9-11 years.....	61	811	89.7	*28.31	*4.58	*	61.1	63.1	70.0	83.1	111.1	120.0	123.1	*
12-14 years.....	83	846	95.6	*34.79	*4.65	*	47.0	57.0	71.1	95.0	119.0	135.1	142.1	*
15-17 years.....	68	871	95.3	*34.97	*4.28	*	46.1	55.0	73.1	96.1	115.1	126.1	140.2	*
18-24 years.....	141	1,873	94.5	*37.75	*4.55	43.0	49.0	60.0	67.0	91.1	118.1	132.1	138.1	154.1
25-34 years.....	138	1,953	91.9	*37.09	*3.30	48.0	55.0	61.0	67.1	84.1	110.1	122.0	133.1	149.0
35-44 years.....	103	1,415	89.2	*36.05	*2.91	33.0	47.1	58.1	70.0	86.0	105.1	114.1	119.0	147.1
45-54 years.....	96	1,215	82.3	*32.18	*2.92	*	50.0	53.0	59.0	78.1	98.0	108.1	116.1	*
55-64 years.....	128	959	81.4	*32.72	*2.50	48.0	52.0	57.0	60.0	74.0	88.1	109.1	112.1	155.0
65-74 years.....	144	733	86.9	25.13	3.87	52.1	56.0	64.0	70.1	83.0	100.1	117.0	132.2	135.1

¹ Includes data for races not shown as separate categories.

Table 43. Serum total iron-binding capacity of males 3-74 years with mean, standard deviation, standard error of the mean, and selected percentiles, by race and age: United States, 1976-80

Race and age	Number of examined persons	Estimated population in thousands	Mean	Standard deviation	Standard error of the mean	Percentile								
						5th	10th	15th	25th	50th	75th	85th	90th	95th
All races ¹														
Serum total iron-binding capacity in micrograms per deciliter														
3-74 years	7,431	95,138	369.8	50.56	1.62	293.5	309.3	319.1	335.5	367.3	402.1	421.4	434.0	455.3
3-5 years	728	4,895	384.1	45.59	2.43	310.0	330.1	339.4	355.4	383.4	414.3	432.2	443.1	462.0
6-8 years	286	5,336	382.0	43.35	2.99	306.2	332.3	342.1	353.3	383.4	408.4	424.4	431.2	451.4
9-11 years	381	5,310	381.7	44.40	2.92	317.4	328.4	342.2	354.3	378.5	410.1	429.4	438.5	453.0
12-14 years	410	5,920	398.8	49.88	3.32	324.3	338.3	348.3	364.4	396.4	432.2	448.3	460.5	489.2
15-17 years	437	6,320	388.4	48.94	3.38	307.5	330.1	340.4	358.0	385.5	419.4	437.2	452.4	471.4
18-24 years	884	13,275	373.5	48.36	2.63	302.2	314.1	324.1	341.0	370.2	403.4	421.3	435.2	455.1
25-34 years	949	15,895	363.7	46.69	2.52	297.3	310.4	318.0	331.1	361.2	391.3	414.1	426.1	441.2
35-44 years	663	11,367	361.1	52.25	2.92	287.0	299.1	309.5	324.2	355.4	392.4	416.4	428.5	455.0
45-54 years	615	11,114	365.0	51.39	2.89	287.4	303.1	312.5	330.1	362.2	401.2	418.1	430.5	452.4
55-64 years	1,081	9,807	360.7	51.82	2.17	287.2	300.2	311.3	325.4	356.3	390.1	412.3	426.4	453.4
65-74 years	1,037	6,297	348.2	49.30	1.75	275.2	295.1	302.3	315.5	343.5	376.3	395.2	409.3	431.2
White														
3-74 years	6,395	81,889	370.3	50.07	1.67	295.4	310.1	319.4	336.4	368.0	402.3	422.1	434.2	455.5
3-5 years	593	3,789	383.6	46.17	3.01	309.3	327.2	339.0	355.2	382.4	413.5	432.2	443.2	461.3
6-8 years	241	4,357	380.9	41.92	3.04	309.4	332.3	341.1	352.3	383.2	408.1	425.0	430.5	449.2
9-11 years	299	4,411	382.5	42.51	2.56	318.3	329.1	342.3	355.3	377.5	410.2	428.3	439.2	453.0
12-14 years	343	4,864	400.0	48.89	3.61	324.2	343.4	353.5	366.0	398.2	432.4	449.0	464.0	493.1
15-17 years	359	5,269	391.1	49.31	3.84	309.3	332.4	344.2	359.2	388.4	422.5	438.2	456.4	475.4
18-24 years	745	11,442	373.0	47.63	2.58	303.0	314.5	324.1	340.5	368.5	403.0	420.3	434.1	455.2
25-34 years	804	13,864	364.1	45.80	2.75	296.4	310.4	318.1	331.5	363.4	391.3	413.3	426.1	441.4
35-44 years	597	9,808	363.0	52.91	3.05	287.2	301.1	311.3	327.3	356.4	395.4	418.1	433.0	461.0
45-54 years	550	9,865	365.9	50.06	3.13	290.3	303.5	313.4	331.0	363.1	402.2	420.1	431.3	450.4
55-64 years	964	8,642	361.8	51.69	2.39	289.1	301.4	312.5	328.2	358.0	390.3	412.3	426.5	454.2
65-74 years	911	5,576	349.6	49.51	1.89	276.4	295.3	302.4	317.2	344.3	379.3	397.2	410.3	432.5
Black														
3-74 years	861	10,583	369.9	53.13	2.72	290.2	309.2	318.3	336.2	367.4	402.0	421.4	436.4	454.2
3-5 years	109	718	387.9	*44.25	*5.74	324.3	337.3	344.1	357.0	385.0	423.2	435.1	445.0	471.2
6-8 years	36	787	*389.1	*41.29	*9.30	*	*	360.4	374.2	390.2	413.1	424.1	*	*
9-11 years	53	767	389.0	*39.63	*8.98	*	344.3	347.4	354.3	390.3	420.2	434.4	451.0	*
12-14 years	56	851	396.7	*56.53	*7.47	*	337.2	344.3	354.5	385.5	438.1	450.1	458.1	*
15-17 years	66	867	379.8	*46.38	*7.66	*	323.1	332.2	348.1	374.3	412.3	436.4	443.2	*
18-24 years	102	1,533	379.2	*48.89	*6.16	304.3	316.4	336.0	345.1	378.3	413.3	431.2	444.5	454.5
25-34 years	121	1,546	363.0	56.45	4.62	304.1	310.2	314.4	328.3	357.0	394.1	417.4	428.3	437.0
35-44 years	56	1,112	346.0	*43.18	*7.14	*	290.4	307.4	318.3	347.2	367.5	387.3	396.3	*
45-54 years	54	1,044	363.9	*61.43	*5.69	*	299.1	306.1	333.1	358.4	388.0	407.1	424.5	*
55-64 years	105	801	350.5	*54.28	*5.48	273.4	283.2	293.4	318.3	348.1	385.3	410.1	419.2	439.1
65-74 years	103	555	339.4	46.43	4.94	272.1	293.2	299.1	310.2	337.2	369.4	392.1	402.1	412.4

¹Includes data for races not shown as separate categories.

Table 44. Serum total iron-binding capacity of females 3–74 years with mean, standard deviation, standard error of the mean, and selected percentiles, by race and age: United States, 1976–80

Race and age	Number of examined persons	Estimated population in thousands	Mean	Standard deviation	Standard error of the mean	Percentile								
						5th	10th	15th	25th	50th	75th	85th	90th	95th
Serum total iron-binding capacity in micrograms per deciliter														
All races ¹														
3–74 years	7,783	100,741	379.2	58.66	1.91	295.1	310.5	322.1	339.4	374.2	413.2	436.3	455.5	484.3
3–5 years	615	4,491	378.1	43.51	2.67	317.1	326.4	334.5	347.4	377.5	404.4	419.0	433.3	452.4
6–8 years	298	4,877	380.0	43.54	3.85	316.2	328.4	337.1	349.4	374.0	411.2	426.0	440.4	464.3
9–11 years	337	5,357	379.2	45.43	3.59	310.1	322.2	334.1	348.4	378.3	408.3	419.3	434.2	456.2
12–14 years . . .	394	5,712	396.1	52.71	4.36	315.5	333.2	345.2	361.0	392.3	428.1	447.5	465.3	478.1
15–17 years . . .	360	6,131	392.1	52.88	3.54	310.3	328.4	339.5	356.5	388.3	424.4	442.2	461.3	489.2
18–24 years . . .	933	14,173	393.6	66.83	3.03	296.4	318.0	329.4	349.0	386.5	430.2	464.2	479.4	511.3
25–34 years . . .	1,038	16,856	382.3	67.46	2.94	289.3	305.4	317.1	336.1	373.5	421.1	449.4	475.3	501.3
35–44 years . . .	749	12,284	373.6	55.81	2.89	287.5	306.1	316.3	334.2	369.3	406.3	430.3	449.1	471.1
45–54 years . . .	670	11,918	375.6	57.06	2.50	296.5	308.5	319.2	336.3	368.3	411.3	431.5	446.4	482.2
55–64 years . . .	1,147	10,743	365.4	52.10	2.21	290.2	303.3	314.3	330.2	363.1	394.4	416.2	435.1	455.1
65–74 years . . .	1,242	8,198	360.0	52.03	2.73	283.0	299.2	309.4	325.4	355.3	389.4	410.3	426.4	455.2
White														
3–74 years	6,665	86,352	379.1	58.25	2.06	295.2	310.4	322.2	340.0	374.3	412.5	436.2	455.3	483.4
3–5 years	501	3,666	378.0	43.02	2.82	314.3	325.2	336.0	348.2	378.5	404.3	417.4	432.4	452.0
6–8 years	236	4,014	381.2	44.17	3.91	316.2	328.4	338.3	349.5	372.5	413.1	430.2	444.2	466.2
9–11 years	279	4,482	379.3	45.11	3.98	307.5	323.0	333.4	349.0	379.1	409.1	419.4	436.4	459.0
12–14 years . . .	317	4,746	393.9	50.16	5.01	315.3	332.0	346.0	360.4	392.1	424.3	447.0	463.4	472.5
15–17 years . . .	300	5,147	389.7	52.60	3.91	307.4	328.0	339.2	354.4	386.5	420.1	439.5	456.2	488.0
18–24 years . . .	781	11,919	392.6	64.35	3.54	297.0	318.1	330.1	350.0	387.3	429.2	464.1	477.3	509.2
25–34 years . . .	892	14,494	382.1	69.09	3.19	289.2	304.0	315.4	334.4	374.4	421.4	449.3	475.4	508.3
35–44 years . . .	651	10,584	373.1	56.58	3.26	287.1	303.2	314.5	334.2	369.2	406.2	430.3	451.3	471.4
45–54 years . . .	579	10,369	377.0	56.89	2.59	297.3	309.2	320.4	337.1	370.4	413.0	433.2	448.2	482.3
55–64 years . . .	1,024	9,601	366.8	52.09	2.17	290.4	305.3	318.1	332.1	364.2	395.2	417.1	435.3	455.1
65–74 years . . .	1,105	7,329	362.0	51.05	2.66	287.5	301.5	312.1	328.3	357.3	392.5	411.0	427.1	454.4
Black														
3–74 years	973	12,107	382.4	60.05	2.34	298.3	314.3	326.0	342.4	375.2	418.1	438.3	458.4	489.3
3–5 years	99	703	376.0	*41.27	*3.96	*	329.1	334.3	342.3	372.3	401.0	424.2	431.1	*
6–8 years	54	729	376.7	*39.56	*6.13	*	329.3	330.4	356.1	378.0	394.3	415.3	424.0	*
9–11 years	52	811	380.2	*48.17	*7.93	*	321.0	335.3	349.3	375.3	404.1	410.5	421.3	*
12–14 years . . .	72	846	406.4	*60.54	*7.11	*	341.0	345.1	362.5	395.2	444.1	459.3	463.1	*
15–17 years . . .	53	871	410.0	*51.97	*8.70	*	352.5	357.3	372.3	404.2	434.4	465.1	483.1	*
18–24 years . . .	128	1,873	401.6	*76.26	*7.02	292.3	317.3	331.2	349.3	386.3	438.1	466.5	503.3	534.6
25–34 years . . .	122	1,953	386.2	*56.53	*4.67	303.1	325.3	332.0	349.2	377.3	425.2	452.1	482.0	490.4
35–44 years . . .	87	1,415	379.3	*50.19	*5.25	*	319.3	329.1	335.0	384.0	415.1	435.0	447.1	*
45–54 years . . .	77	1,215	365.3	*52.36	*6.51	*	310.0	312.1	335.2	360.0	401.1	421.5	432.3	*
55–64 years . . .	109	959	355.2	*51.16	*5.89	287.1	301.0	305.2	314.3	347.1	392.1	402.3	421.3	455.3
65–74 years . . .	120	733	340.6	57.55	8.58	254.1	266.5	276.3	302.3	338.2	366.3	389.0	419.0	471.1

¹Includes data for races not shown as separate categories.

Table 45. Transferrin saturation levels of males 3–74 years with mean, standard deviation, standard error of the mean, and selected percentiles, by race and age: United States, 1976–80

Race and age	Number of examined persons	Estimated population in thousands	Mean	Standard deviation	Standard error of the mean	Percentile								
						5th	10th	15th	25th	50th	75th	85th	90th	95th
All races ¹						Transferrin saturation in percent								
3–74 years	7,416	95,136	28.2	9.93	0.20	14.2	16.7	18.3	21.2	27.2	34.1	38.1	40.9	45.8
3–5 years	727	4,695	22.6	8.98	0.43	10.1	11.9	13.7	16.7	21.2	27.8	32.1	34.5	39.2
6–8 years	286	5,336	23.1	8.53	0.64	11.6	13.1	14.1	16.6	21.9	28.1	31.8	34.5	39.4
9–11 years	361	5,310	23.6	8.92	0.57	11.6	13.2	14.7	17.3	22.3	28.7	32.3	34.5	38.1
12–14 years . . .	408	5,920	24.4	8.29	0.49	12.8	14.9	16.2	18.1	23.4	30.1	33.4	34.4	39.0
15–17 years . . .	437	6,320	28.6	9.11	0.59	16.6	18.1	19.4	21.9	27.4	34.3	37.6	40.7	45.5
18–24 years . . .	861	13,275	30.7	10.35	0.43	15.9	18.0	20.2	23.5	29.7	36.6	41.5	43.8	49.1
25–34 years . . .	948	15,895	30.6	9.91	0.37	16.8	18.6	20.6	23.7	29.6	36.2	40.4	44.1	48.5
35–44 years . . .	861	11,367	28.6	9.99	0.53	15.2	17.6	18.8	21.4	27.1	34.1	38.3	41.1	46.0
45–54 years . . .	615	11,114	27.8	9.22	0.46	14.3	16.7	18.6	21.6	27.2	33.6	36.6	39.7	44.4
55–64 years . . .	1,079	9,607	28.2	9.83	0.31	14.2	17.0	18.5	21.3	27.2	34.1	38.1	40.2	44.6
65–74 years . . .	1,033	6,297	29.3	9.94	0.45	15.6	17.6	19.5	22.6	28.2	34.9	38.6	41.6	47.1
White														
3–74 years	6,384	81,889	28.3	9.93	0.21	14.3	16.8	18.4	21.4	27.3	34.1	38.0	40.9	45.9
3–5 years	593	3,789	22.9	9.24	0.46	10.0	11.9	13.7	16.7	21.2	28.2	32.9	34.9	39.5
6–8 years	241	4,357	23.4	8.75	0.69	11.6	12.9	13.9	17.0	22.1	28.6	32.0	36.0	39.7
9–11 years	299	4,411	24.0	9.18	0.63	11.6	13.4	14.9	17.3	22.7	29.2	33.2	34.7	38.4
12–14 years . . .	342	4,864	24.4	8.19	0.52	13.0	14.9	16.3	18.2	23.5	30.1	33.2	34.7	39.0
15–17 years . . .	358	5,269	28.4	8.83	0.68	15.8	18.2	19.6	21.9	27.6	33.8	37.2	39.8	44.2
18–24 years . . .	742	11,442	30.6	10.61	0.47	15.7	17.7	19.8	23.3	29.3	36.6	41.5	44.0	49.9
25–34 years . . .	803	13,864	30.6	9.80	0.40	16.9	18.8	20.7	23.9	29.6	35.8	40.4	44.1	48.5
35–44 years . . .	586	9,808	28.4	10.03	0.54	15.0	17.5	18.6	21.2	27.0	34.1	38.2	40.8	45.1
45–54 years . . .	550	9,885	28.3	9.07	0.46	15.1	17.1	19.4	22.0	27.7	34.0	36.8	39.7	44.4
55–64 years . . .	962	8,642	28.5	9.94	0.34	14.3	17.0	18.6	21.4	27.4	34.2	38.2	40.5	45.3
65–74 years . . .	908	5,576	29.5	9.95	0.47	15.7	17.8	19.8	22.7	28.5	34.8	38.3	41.4	47.1
Black														
3–74 years	858	10,583	26.7	9.43	0.39	13.2	15.8	17.3	19.8	25.2	33.0	36.8	40.1	44.3
3–5 years	108	718	21.0	*7.50	*0.75	10.9	11.8	13.5	15.9	19.5	24.8	29.2	32.2	35.2
6–8 years	36	787	*21.7	*6.93	*1.55	*	*	14.6	16.4	20.9	26.9	27.7	*	*
9–11 years	53	767	21.1	*7.26	*1.12	*	12.1	13.2	16.0	20.4	25.1	28.3	30.2	*
12–14 years . . .	55	851	23.9	*7.02	*0.94	*	16.2	17.4	18.6	22.3	30.4	33.3	33.5	*
15–17 years . . .	66	867	27.9	*9.79	*0.93	*	17.2	18.9	21.1	25.8	34.5	38.1	43.9	*
18–24 years . . .	102	1,533	31.0	*8.55	*0.89	17.1	20.2	22.9	25.1	30.6	36.2	41.1	42.8	44.3
25–34 years . . .	121	1,546	29.4	10.54	0.84	15.3	17.4	18.6	21.2	27.7	37.1	41.5	44.6	47.2
35–44 years . . .	56	1,112	29.5	*8.88	*1.10	*	18.7	20.5	22.0	30.9	35.1	39.2	40.1	*
45–54 years . . .	54	1,044	23.5	*9.50	*2.39	*	13.2	15.6	17.3	21.9	29.2	32.4	35.4	*
55–64 years . . .	105	801	25.6	*8.59	*1.01	12.7	16.1	17.8	19.3	24.9	31.3	34.7	39.1	42.7
65–74 years . . .	102	555	26.0	8.30	0.75	12.7	16.8	17.7	20.8	24.9	29.7	35.4	38.8	41.9

¹Includes data for races not shown as separate categories.

Table 46. Transferrin saturation levels of females 3-74 years with mean, standard deviation, standard error of the mean, and selected percentiles, by race and age: United States, 1976-80

Race and age	Number of examined persons	Estimated population in thousands	Mean	Standard deviation	Standard error of the mean	Percentile								
						5th	10th	15th	25th	50th	75th	85th	90th	95th
All races ¹						Transferrin saturation in percent								
3-74 years	7,767	100,741	26.1	9.91	0.22	12.1	14.6	16.3	19.2	24.8	31.5	35.7	38.7	44.1
3-5 years	615	4,491	23.3	8.52	0.38	10.9	13.6	15.1	16.8	22.6	28.5	32.2	34.7	38.7
6-8 years	297	4,877	23.7	8.34	0.71	11.7	13.7	15.2	17.3	23.0	28.9	32.2	34.5	38.2
9-11 years	336	5,357	25.6	8.98	0.71	13.4	15.1	16.4	18.8	24.8	30.9	35.0	36.7	40.8
12-14 years	394	5,712	25.4	9.24	0.39	10.9	13.9	16.7	19.8	24.5	30.6	34.6	36.9	40.9
15-17 years	360	6,131	26.1	10.54	0.61	10.9	12.8	15.0	18.5	24.7	32.3	37.8	40.3	44.8
18-24 years	931	14,173	26.8	10.44	0.43	11.6	14.3	16.3	19.8	25.7	32.9	37.6	40.9	46.0
25-34 years	1,036	16,856	27.2	10.94	0.43	12.1	15.1	17.0	19.6	25.6	33.2	37.6	41.2	45.7
35-44 years	747	12,284	25.8	10.65	0.47	10.9	13.1	15.1	18.4	24.6	32.2	36.4	39.8	45.3
45-54 years	668	11,918	25.4	9.14	0.33	13.3	14.9	16.2	18.6	24.3	30.3	34.5	36.6	41.2
55-64 years	1,144	10,743	26.2	9.14	0.40	13.9	15.9	17.5	20.3	25.2	30.3	34.5	37.4	42.6
65-74 years	1,239	8,198	26.2	8.64	0.41	13.9	16.6	18.1	20.2	25.3	30.8	34.5	36.9	41.5
White														
3-74 years	6,651	86,352	26.3	9.91	0.24	12.2	14.8	16.5	19.5	25.2	31.9	36.0	39.0	44.2
3-5 years	501	3,666	23.3	8.73	0.39	10.6	12.9	14.9	16.5	22.6	28.7	32.6	34.8	38.9
6-8 years	235	4,014	23.8	8.28	0.68	11.7	13.6	14.9	17.6	23.1	29.8	32.3	34.9	38.1
9-11 years	278	4,482	25.9	9.20	0.80	13.4	14.9	16.0	18.8	25.1	31.6	35.8	37.6	40.9
12-14 years	317	4,746	25.6	9.21	0.41	11.2	14.8	17.1	19.8	24.5	30.8	34.6	37.1	42.3
15-17 years	300	5,147	26.6	10.72	0.70	11.3	13.4	15.5	18.8	24.7	33.2	38.5	41.1	45.1
18-24 years	779	11,919	27.2	10.42	0.45	11.6	14.3	16.6	20.0	26.1	34.0	38.4	41.1	46.1
25-34 years	890	14,494	27.6	10.95	0.43	12.1	15.2	17.2	20.0	26.2	33.7	38.0	41.4	46.9
35-44 years	649	10,584	26.0	10.71	0.54	11.1	13.1	15.2	18.5	24.6	32.4	36.8	40.1	45.7
45-54 years	578	10,369	25.7	9.13	0.36	13.6	15.1	16.4	18.6	25.2	30.7	34.7	37.0	42.2
55-64 years	1,022	9,601	26.5	9.03	0.41	13.9	16.2	18.0	20.7	25.6	30.7	34.9	37.5	42.8
65-74 years	1,102	7,329	26.2	8.46	0.42	13.7	16.8	18.1	20.3	25.4	30.9	34.4	36.8	40.8
Black														
3-74 years	971	12,107	23.8	9.53	0.43	10.9	13.6	15.3	18.0	22.6	28.3	31.8	35.0	40.0
3-5 years	99	703	22.9	*7.34	*0.78	*	15.3	15.9	17.6	22.3	27.2	29.9	32.2	*
6-8 years	54	729	22.2	*7.97	*1.39	*	14.2	15.5	16.5	22.4	26.0	27.5	29.5	*
9-11 years	52	811	23.9	*7.86	*1.37	*	16.2	17.1	18.3	22.3	29.3	33.1	35.1	*
12-14 years	72	846	24.4	*9.68	*1.19	*	9.8	12.8	19.6	24.9	29.1	35.0	35.8	*
15-17 years	53	871	22.9	*8.97	*1.16	*	9.9	12.4	15.7	23.6	28.4	31.2	35.8	*
18-24 years	128	1,873	24.0	*9.90	*1.06	10.9	12.6	14.8	18.0	22.2	29.0	32.0	34.0	44.2
25-34 years	122	1,953	24.5	*10.52	*0.99	12.0	14.8	16.3	18.1	22.4	28.9	32.6	35.9	40.0
35-44 years	87	1,415	24.2	*10.01	*0.91	*	12.2	13.9	17.8	23.7	28.6	34.1	34.8	*
45-54 years	76	1,215	22.3	*8.92	*1.11	*	13.5	13.6	18.0	21.4	25.2	28.8	31.4	*
55-64 years	108	959	22.8	*9.15	*0.80	13.1	13.8	14.7	17.3	20.8	25.7	28.4	34.6	40.0
65-74 years	120	733	26.5	10.44	2.24	14.9	15.9	17.3	20.4	24.3	29.3	36.1	39.4	53.1

¹Includes data for races not shown as separate categories.

Table 47. Serum iron levels of persons 3–74 years with age-adjusted mean and standard error of the age-adjusted mean, by poverty status, sex, race, and age: United States, 1976–80

Sex, race, and age	Poverty status								
	Poverty				Nonpoverty				
	Number of examined persons	Estimated population in thousands ¹	Age-adjusted mean	Standard error of the age-adjusted mean	Number of examined persons	Estimated population in thousands ¹	Age-adjusted mean	Standard error of the age-adjusted mean	
MALE		Serum iron in micrograms per deciliter				Serum iron in micrograms per deciliter			
All races²									
3–74 years.....	1,160	10,875	101.4	1.58	6,857	80,651	103.5	0.53	
3–17 years.....	509	4,529	92.6	1.59	1,990	22,101	95.7	1.13	
18–44 years.....	317	4,163	110.3	2.37	2,303	35,058	109.9	0.81	
45–64 years.....	172	1,424	95.2	3.57	1,610	18,180	101.1	0.96	
65–74 years.....	162	759	88.4	3.08	954	5,312	101.9	1.73	
White									
3–74 years.....	778	7,347	103.3	1.71	6,115	71,712	104.0	0.53	
3–17 years.....	310	2,741	94.5	2.18	1,747	19,167	96.3	1.24	
18–44 years.....	227	2,976	112.0	2.50	2,040	31,168	109.6	0.89	
45–64 years.....	125	1,080	96.8	3.70	1,466	16,524	102.3	0.86	
65–74 years.....	114	551	89.5	3.97	862	4,853	102.5	1.76	
Black									
3–74 years.....	342	3,043	95.5	2.87	608	6,931	98.2	2.35	
3–17 years.....	177	1,583	88.5	2.60	192	2,272	91.8	2.14	
18–44 years.....	75	940	103.5	*5.16	219	2,987	110.4	2.36	
45–64 years.....	46	341	92.2	*6.30	123	1,325	88.3	*6.89	
65–74 years.....	44	179	*83.4	*3.51	74	347	91.1	*4.38	
FEMALE									
All races²									
3–74 years.....	1,550	15,251	91.5	1.47	6,794	81,732	97.6	0.61	
3–17 years.....	528	5,098	91.7	1.69	1,716	20,504	95.0	1.23	
18–44 years.....	512	6,812	94.0	2.40	2,378	35,364	101.2	1.08	
45–64 years.....	264	2,296	83.7	2.45	1,660	19,357	95.1	0.77	
65–74 years.....	246	1,245	89.5	1.77	1,040	6,507	92.8	1.13	
White									
3–74 years.....	1,020	10,309	93.5	1.27	6,094	73,098	98.2	0.59	
3–17 years.....	300	3,071	92.8	2.74	1,526	18,262	95.1	1.33	
18–44 years.....	348	4,641	95.7	2.89	2,111	31,244	102.3	1.07	
45–64 years.....	183	1,607	87.4	3.38	1,507	17,624	95.6	0.71	
65–74 years.....	189	990	89.6	2.18	950	5,967	93.4	1.19	
Black									
3–74 years.....	499	4,604	88.0	1.88	583	6,880	90.3	1.80	
3–17 years.....	214	1,888	89.9	1.81	162	1,856	92.9	2.90	
18–44 years.....	156	1,846	91.8	*3.69	215	3,252	92.2	2.60	
45–64 years.....	76	640	75.7	*3.22	129	1,332	83.7	*1.84	
65–74 years.....	53	230	88.6	*4.87	77	440	86.4	*4.52	

¹ Does not include sample weights for unknown poverty index.

² Includes data for races not shown as separate categories.

Table 48. Serum total iron-binding capacity of persons 3-74 years with age-adjusted mean and standard error of the age-adjusted mean, by poverty status, sex, race, and age: United States, 1976-80

Sex, race, and age	Poverty status								
	Poverty				Nonpoverty				
	Number of examined persons	Estimated population in thousands ¹	Age-adjusted mean	Standard error of the age-adjusted mean	Number of examined persons	Estimated population in thousands ¹	Age-adjusted mean	Standard error of the age-adjusted mean	
MALE		Serum total iron-binding capacity in micrograms per deciliter				Serum total iron-binding capacity in micrograms per deciliter			
All races ²									
3-74 years.....	990	10,875	370.9	2.18	6,195	80,651	369.9	1.57	
3-17 years.....	421	4,529	391.4	3.18	1,744	22,101	387.3	1.75	
18-44 years.....	277	4,163	362.6	3.63	2,122	35,058	366.7	2.05	
45-64 years.....	151	1,424	371.0	6.79	1,469	18,180	363.2	1.98	
65-74 years.....	141	759	350.8	6.10	860	5,312	347.8	1.68	
White									
3-74 years.....	680	7,347	371.1	2.16	5,527	71,712	370.4	1.66	
3-17 years.....	269	2,741	389.6	4.15	1,523	19,167	388.5	1.87	
18-44 years.....	198	2,976	364.1	3.66	1,881	31,168	367.1	2.19	
45-64 years.....	111	1,080	369.6	6.42	1,341	16,524	364.1	2.08	
65-74 years.....	102	551	356.8	8.30	782	4,853	348.7	1.63	
Black									
3-74 years.....	276	3,043	376.8	4.97	538	6,931	368.7	2.70	
3-17 years.....	135	1,583	396.2	4.38	172	2,272	385.7	4.42	
18-44 years.....	66	940	372.1	*7.96	197	2,987	363.5	4.40	
45-64 years.....	39	341	*376.9	*14.29	107	1,325	357.3	*4.57	
65-74 years.....	36	179	*332.6	*4.16	62	347	344.0	*5.04	
FEMALE									
All races ²									
3-74 years.....	1,336	15,251	383.2	2.48	6,149	81,732	378.5	2.00	
3-17 years.....	438	5,098	390.4	3.61	1,501	20,504	384.8	2.65	
18-44 years.....	454	6,612	388.6	3.60	2,187	35,364	382.7	2.52	
45-64 years.....	225	2,296	372.1	5.21	1,508	19,357	371.0	2.15	
65-74 years.....	219	1,245	361.4	4.20	953	6,507	360.0	2.86	
White									
3-74 years.....	896	10,309	383.7	3.19	5,531	73,098	378.5	2.10	
3-17 years.....	252	3,071	389.8	4.79	1,333	18,262	384.6	2.94	
18-44 years.....	313	4,641	386.3	4.55	1,945	31,244	382.4	2.72	
45-64 years.....	159	1,607	377.3	6.17	1,377	17,624	371.8	2.23	
65-74 years.....	172	990	364.0	4.44	876	5,967	361.8	2.72	
Black									
3-74 years.....	415	4,604	383.7	4.26	507	6,880	381.5	3.52	
3-17 years.....	173	1,888	392.6	3.89	141	1,856	388.5	4.00	
18-44 years.....	135	1,846	391.6	*6.71	193	3,252	391.0	5.82	
45-64 years.....	63	640	362.4	*7.74	109	1,332	362.9	*4.34	
65-74 years.....	44	230	*344.9	*8.84	64	440	337.3	*8.07	

¹Does not include sample weights for unknown poverty index.

²Includes data for races not shown as separate categories.

Table 49. Transferrin saturation levels of persons 3–74 years with age-adjusted mean and standard error of the age-adjusted mean, by poverty status, sex, race, and age: United States, 1976–80

Sex, race, and age	Poverty status								
	Poverty				Nonpoverty				
	Number of examined persons	Estimated population in thousands ¹	Age-adjusted mean	Standard error of the age-adjusted mean	Number of examined persons	Estimated population in thousands ¹	Age-adjusted mean	Standard error of the age-adjusted mean	
MALE		Transferrin saturation in percent				Transferrin saturation in percent			
All races²									
3–74 years.....	989	10,875	27.6	0.41	6,182	80,651	28.3	0.19	
3–17 years.....	421	4,529	23.8	0.47	1,741	22,101	25.0	0.34	
18–44 years.....	276	4,163	30.2	0.78	2,117	35,058	30.0	0.32	
45–64 years.....	151	1,424	28.3	1.11	1,467	18,180	28.2	0.29	
65–74 years.....	141	759	26.2	0.76	857	5,312	29.8	0.49	
White									
3–74 years.....	679	7,347	28.2	0.45	5,517	71,712	28.3	0.20	
3–17 years.....	269	2,741	24.6	0.50	1,522	19,167	25.1	0.39	
18–44 years.....	197	2,976	30.8	0.81	1,877	31,168	29.8	0.34	
45–64 years.....	111	1,080	28.3	1.12	1,339	16,524	28.5	0.28	
65–74 years.....	102	551	26.6	1.06	779	4,853	29.8	0.49	
Black									
3–74 years.....	276	3,043	25.3	0.58	536	6,931	27.2	0.51	
3–17 years.....	135	1,583	22.3	0.73	170	2,272	24.3	0.54	
18–44 years.....	66	940	26.6	*1.18	197	2,987	30.9	0.58	
45–64 years.....	39	341	*26.3	*2.46	107	1,325	24.4	*1.71	
65–74 years.....	36	179	*24.5	*0.81	62	347	27.0	*0.79	
FEMALE									
All races²									
3–74 years.....	1,335	15,251	24.4	0.28	6,137	81,732	26.3	0.24	
3–17 years.....	438	5,098	24.1	0.48	1,499	20,504	25.4	0.37	
18–44 years.....	453	6,612	24.8	0.58	2,183	35,364	27.0	0.34	
45–64 years.....	225	2,296	23.1	0.69	1,504	19,357	26.2	0.27	
65–74 years.....	219	1,245	25.2	0.54	951	6,507	26.3	0.46	
White									
3–74 years.....	895	10,309	25.0	0.38	5,520	73,098	26.5	0.26	
3–17 years.....	252	3,071	24.6	0.71	1,331	18,262	25.4	0.40	
18–44 years.....	312	4,641	25.4	0.74	1,941	31,244	27.2	0.36	
45–64 years.....	159	1,607	24.0	0.94	1,374	17,624	26.3	0.26	
65–74 years.....	172	990	25.1	0.61	874	5,967	26.3	0.44	
Black									
3–74 years.....	415	4,604	23.3	0.51	506	6,880	24.2	0.54	
3–17 years.....	173	1,888	23.2	0.67	141	1,856	24.1	0.86	
18–44 years.....	135	1,846	24.1	*0.91	193	3,252	24.3	0.78	
45–64 years.....	63	640	20.7	*1.08	108	1,332	23.4	*0.73	
65–74 years.....	44	230	*25.5	*1.71	64	440	27.1	*2.68	

¹Does not include sample weights for unknown poverty index.

²Includes data for races not shown as separate categories.

Table 50. Cumulative percent distribution of serum iron of males 3-74 years, by age, race, and level of serum iron:
United States, 1976-80

Race and serum iron in micrograms per deciliter	Age								
	3-74 years			3-5 years			6-11 years		
	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent
All races²									
Total.....	8,311	89,210	100.0	843	3,225	100.0	744	8,861	100.0
Less than 20...	5	33	0.0	2	9	0.3	-	-	-
20-29.....	47	337	0.4	25	97	3.3	8	95	1.1
30-39.....	128	1,122	1.7	45	159	8.2	27	304	4.5
40-49.....	213	1,855	3.8	52	169	13.5	42	576	11.0
50-59.....	448	4,399	8.7	73	284	22.3	72	830	20.4
60-69.....	707	6,829	16.3	99	396	34.5	73	837	29.8
70-79.....	908	9,359	26.8	113	443	48.3	104	1,261	44.1
80-89.....	917	9,597	37.6	102	430	61.6	91	1,046	55.9
90-99.....	1,013	11,065	50.0	78	271	70.0	89	1,044	67.6
100-119.....	1,742	19,451	71.8	137	511	85.9	126	1,500	84.6
120-139.....	1,079	12,445	85.7	56	209	92.3	76	910	94.8
140-159.....	611	7,042	93.6	40	165	97.5	22	276	97.9
160-179.....	251	2,854	96.8	10	40	98.7	11	127	99.4
180 or more...	242	2,822	100.0	11	42	100.0	3	54	100.0
White									
Total.....	7,112	77,194	100.0	678	2,630	100.0	617	7,377	100.0
Less than 20...	5	33	0.0	2	9	0.4	-	-	-
20-29.....	35	211	0.3	20	77	3.3	5	50	0.7
30-39.....	107	982	1.6	36	127	8.1	24	260	4.2
40-49.....	176	1,569	3.6	40	136	13.3	35	479	10.7
50-59.....	365	3,607	8.3	56	231	22.1	61	710	20.3
60-69.....	587	5,650	15.6	86	346	35.2	54	604	28.5
70-79.....	765	7,981	26.0	88	354	48.7	86	1,051	42.7
80-89.....	763	8,154	36.5	77	312	60.6	75	881	54.7
90-99.....	867	9,690	49.1	59	210	68.5	74	858	66.3
100-119.....	1,527	17,237	71.4	113	426	84.7	104	1,266	83.5
120-139.....	947	10,884	85.5	49	181	91.6	68	802	94.3
140-159.....	534	6,128	93.4	34	149	97.2	18	245	97.6
160-179.....	230	2,623	96.8	9	37	98.6	10	119	99.3
180 or more...	204	2,445	100.0	9	36	100.0	3	54	100.0
Black									
Total.....	1,008	9,569	100.0	136	465	100.0	106	1,208	100.0
Less than 20...	-	-	-	-	-	-	-	-	-
20-29.....	9	92	1.0	5	21	4.4	2	39	3.2
30-39.....	18	128	2.3	6	20	8.7	3	44	6.9
40-49.....	33	249	4.9	11	30	15.2	5	66	12.3
50-59.....	75	672	11.9	15	45	24.9	9	85	19.4
60-69.....	101	962	22.0	10	41	33.7	17	206	36.5
70-79.....	128	1,133	33.8	22	73	49.3	15	167	50.3
80-89.....	130	1,177	46.1	20	88	68.3	13	124	60.5
90-99.....	125	1,155	58.2	16	45	78.0	13	161	73.8
100-119.....	179	1,735	76.3	19	63	91.6	19	201	90.5
120-139.....	106	1,148	88.3	6	22	96.2	6	82	97.3
140-159.....	58	660	95.2	4	12	98.7	3	24	99.3
160-179.....	15	159	96.9	-	-	98.7	1	8	100.0
180 or more...	31	300	100.0	2	6	100.0	-	-	100.0

See footnotes at end of table.

Table 50. Cumulative percent distribution of serum iron of males 3-74 years, by age, race, and level of serum iron:
United States, 1976-80—Con.

Race and serum iron in micrograms per deciliter	Age								
	12-14 years			15-17 years			18-24 years		
	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent
All races²									
Total.....	472	5,602	100.0	518	6,126	100.0	948	12,675	100.0
Less than 20...	1	10	0.2	-	-	-	-	-	-
20-29.....	2	26	0.6	1	16	0.3	1	13	0.1
30-39.....	9	117	2.7	1	15	0.5	3	80	0.7
40-49.....	9	83	4.2	8	81	1.8	14	182	2.2
50-59.....	22	254	8.8	19	184	4.8	30	395	5.3
60-69.....	52	626	19.9	37	407	11.5	51	627	10.2
70-79.....	50	621	31.0	46	548	20.4	77	971	17.9
80-89.....	55	628	42.2	50	540	29.2	91	1,228	27.6
90-99.....	89	807	56.6	65	801	42.3	105	1,391	38.6
100-119.....	90	1,052	75.4	115	1,346	64.3	202	2,757	60.3
120-139.....	88	863	90.8	78	958	79.9	152	2,195	77.6
140-159.....	29	341	98.9	49	653	90.6	110	1,456	89.1
160-179.....	10	116	98.9	30	364	98.5	51	622	94.0
180 or more...	6	59	100.0	19	213	100.0	59	757	100.0
White									
Total.....	390	4,671	100.0	430	5,129	100.0	813	10,962	100.0
Less than 20...	1	10	0.2	-	-	-	-	-	-
20-29.....	-	-	0.2	1	16	0.3	1	13	0.1
30-39.....	8	109	2.5	1	15	0.6	3	80	0.8
40-49.....	8	62	3.9	8	81	2.2	13	171	2.4
50-59.....	20	236	8.9	15	137	4.9	25	346	5.6
60-69.....	40	498	19.6	28	289	10.5	43	529	10.4
70-79.....	42	504	30.4	40	478	19.8	71	910	18.7
80-89.....	42	495	41.0	39	443	28.4	81	1,134	29.0
90-99.....	56	659	55.1	56	719	42.4	92	1,204	40.0
100-119.....	77	940	75.2	94	1,078	63.5	166	2,280	60.8
120-139.....	57	731	90.9	70	864	80.3	131	1,874	77.9
140-159.....	25	285	97.0	40	535	90.7	86	1,137	88.3
160-179.....	9	94	99.0	24	286	96.3	47	587	93.7
180 or more...	5	48	100.0	16	188	100.0	54	696	100.0
Black									
Total.....	68	733	100.0	75	840	100.0	114	1,434	100.0
Less than 20...	-	-	-	-	-	-	-	-	-
20-29.....	1	8	1.1	-	-	-	-	-	-
30-39.....	1	8	2.2	-	-	-	-	-	-
40-49.....	1	22	5.2	-	-	-	1	12	0.8
50-59.....	2	18	7.7	3	30	3.6	4	37	3.4
60-69.....	7	68	16.9	10	112	16.9	8	98	10.3
70-79.....	8	116	32.8	6	70	25.3	6	62	14.6
80-89.....	11	103	46.9	9	85	35.4	9	86	20.6
90-99.....	12	121	63.4	7	69	43.5	10	142	30.5
100-119.....	10	77	73.9	18	235	71.5	30	378	56.8
120-139.....	11	132	91.9	8	94	82.7	17	256	74.6
140-159.....	3	37	97.1	7	81	92.4	21	276	93.9
160-179.....	1	22	100.0	4	39	97.0	3	27	95.7
180 or more...	-	-	100.0	3	25	100.0	5	61	100.0

See footnotes at end of table.

Table 50. Cumulative percent distribution of serum iron of males 3-74 years, by age, race, and level of serum iron: United States, 1976-80—Con.

Race and serum iron in micrograms per deciliter	Age								
	25-44 years			45-64 years			65-74 years		
	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent
All races²									
Total.....	1,763	26,450	100.0	1,868	20,210	100.0	1,157	6,063	100.0
Less than 20...	-	-	-	-	-	-	2	14	0.2
20-29.....	1	9	0.0	6	66	0.3	3	14	0.5
30-39.....	15	259	1.0	15	126	1.0	13	62	1.5
40-49.....	14	193	1.7	45	451	3.2	29	120	3.5
50-59.....	74	1,040	5.7	95	1,088	8.6	63	323	8.8
60-69.....	129	1,762	12.3	168	1,658	16.8	98	517	17.3
70-79.....	177	2,492	21.8	213	2,355	28.4	128	668	28.3
80-89.....	190	2,855	32.5	202	2,152	39.1	136	717	40.2
90-99.....	212	3,266	44.9	245	2,690	52.4	150	795	53.3
100-119.....	412	6,439	69.2	413	4,523	74.8	247	1,324	75.1
120-139.....	244	3,618	82.9	242	2,859	88.9	163	833	88.9
140-159.....	158	2,395	92.0	138	1,394	95.8	65	361	94.8
160-179.....	63	942	95.5	44	467	98.1	32	177	97.7
180 or more...	74	1,180	100.0	42	380	100.0	28	137	100.0
White									
Total.....	1,516	23,023	100.0	1,660	18,045	100.0	1,008	5,359	100.0
Less than 20...	-	-	-	-	-	-	2	14	0.3
20-29.....	-	-	-	5	42	0.2	3	14	0.5
30-39.....	12	230	1.0	14	117	0.9	9	44	1.3
40-49.....	14	193	1.8	36	354	2.8	22	93	3.1
50-59.....	58	832	5.5	77	835	7.5	53	280	8.3
60-69.....	114	1,522	12.1	147	1,448	15.5	77	414	16.0
70-79.....	149	2,119	21.3	181	1,991	26.5	108	574	26.7
80-89.....	163	2,428	31.8	170	1,847	36.8	116	614	38.2
90-99.....	187	2,923	44.5	212	2,404	50.1	131	714	51.5
100-119.....	362	5,780	69.6	385	4,236	73.6	226	1,231	74.5
120-139.....	202	3,005	82.7	224	2,665	88.3	146	762	88.7
140-159.....	138	2,111	91.8	132	1,347	95.8	61	320	94.7
160-179.....	58	873	95.6	43	459	98.3	30	167	97.8
180 or more...	59	1,006	100.0	34	300	100.0	24	118	100.0
Black									
Total.....	201	2,556	100.0	185	1,797	100.0	123	539	100.0
Less than 20...	-	-	-	-	-	-	-	-	-
20-29.....	-	-	-	1	24	1.4	-	-	-
30-39.....	3	28	1.1	1	9	1.9	4	18	3.4
40-49.....	-	-	1.1	9	97	7.2	6	23	7.7
50-59.....	15	184	8.3	17	230	20.0	10	43	15.6
60-69.....	13	175	15.2	20	186	30.4	16	75	29.5
70-79.....	26	324	27.8	27	238	43.7	18	83	44.9
80-89.....	21	318	40.3	31	295	60.1	16	77	59.2
90-99.....	21	282	51.3	30	270	75.1	16	66	71.4
100-119.....	41	499	70.9	23	208	86.7	19	75	85.4
120-139.....	30	384	85.9	15	130	93.9	13	48	94.3
140-159.....	15	184	93.1	4	33	95.7	1	13	96.7
160-179.....	4	52	95.1	-	-	95.7	2	11	98.7
180 or more...	12	125	100.0	7	76	100.0	2	7	100.0

¹Does not include sample weights for missing values.

²Includes data for races not shown as separate categories.

Table 51. Cumulative percent distribution of serum iron of females 3-74 years, by age, race, and level of serum iron: United States, 1976-80

Race and serum iron in micrograms per deciliter	Age								
	3-74 years			3-5 years			6-11 years		
	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent
All races²									
Total.....	8,678	94,112	100.0	730	2,824	100.0	718	8,614	100.0
Less than 20 ...	5	62	0.1	1	8	0.3	-	-	-
20-29	75	730	0.8	23	101	3.9	7	86	1.0
30-39	177	1,801	2.8	33	121	8.1	14	175	3.0
40-49	342	3,791	6.8	33	127	12.6	24	317	6.7
50-59	569	5,600	12.7	71	247	21.4	52	574	13.4
60-69	852	9,382	22.7	83	345	33.6	76	1,010	25.1
70-79	1,057	10,982	34.4	83	320	44.9	99	1,192	38.9
80-89	1,095	11,439	46.5	77	292	55.3	98	1,134	52.1
90-99	1,050	10,964	58.2	92	351	67.7	86	1,042	64.2
100-119	1,661	18,158	77.5	128	496	85.3	132	1,577	82.5
120-139	949	10,898	89.1	66	252	94.2	82	967	93.7
140-159	439	5,164	94.5	30	120	98.4	33	367	98.0
160-179	211	2,710	97.4	8	33	99.6	6	70	98.8
180 or more ...	196	2,430	100.0	4	11	100.0	9	104	100.0
White									
Total.....	7,375	80,885	100.0	595	2,349	100.0	580	7,175	100.0
Less than 20 ...	5	62	0.1	1	8	0.3	-	-	-
20-29	63	638	0.9	19	91	4.2	6	72	1.0
30-39	146	1,501	2.7	29	110	8.9	13	159	3.2
40-49	268	3,023	6.5	26	104	13.3	19	271	7.0
50-59	456	4,607	12.2	56	209	22.2	41	474	13.6
60-69	694	7,697	21.7	66	282	34.2	58	815	25.0
70-79	879	9,241	33.1	63	249	44.8	81	981	38.6
80-89	909	9,623	45.0	59	218	54.1	75	917	51.4
90-99	911	9,586	56.8	79	298	66.8	66	839	63.1
100-119	1,462	15,959	76.6	105	425	84.8	112	1,350	81.9
120-139	831	9,688	88.6	55	215	94.0	68	816	93.3
140-159	391	4,673	94.3	26	103	98.4	27	317	97.7
160-179	187	2,422	97.3	7	27	99.5	6	70	98.7
180 or more ...	173	2,165	100.0	4	11	100.0	8	94	100.0
Black									
Total.....	1,144	11,103	100.0	119	397	100.0	124	1,277	100.0
Less than 20 ...	-	-	-	-	-	-	-	-	-
20-29	10	79	0.7	4	10	2.6	1	14	1.1
30-39	28	259	3.0	4	11	5.4	1	16	2.3
40-49	64	625	8.7	6	17	9.6	5	46	5.9
50-59	106	854	16.4	15	39	19.3	11	100	13.7
60-69	140	1,454	29.5	14	51	32.1	17	183	28.1
70-79	155	1,442	42.4	17	58	46.7	15	173	41.6
80-89	169	1,615	57.0	17	69	64.2	21	191	56.6
90-99	124	1,163	67.5	11	38	73.9	18	165	69.5
100-119	179	1,915	84.7	18	58	88.6	19	220	86.8
120-139	91	906	92.9	9	28	95.6	11	125	96.6
140-159	42	418	96.6	4	17	100.0	4	33	99.2
160-179	17	199	98.4	-	-	100.0	-	-	99.2
180 or more ...	19	173	100.0	-	-	100.0	1	10	100.0

See footnotes at end of table.

Table 51. Cumulative percent distribution of serum iron of females 3-74 years, by age, race, and level of serum iron: United States, 1976-80--Con.

Race and serum iron in micrograms per deciliter	Age								
	12-14 years			15-17 years			18-24 years		
	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent
All races²									
Total.....	447	5,239	100.0	428	5,848	100.0	1,023	13,622	100.0
Less than 20...	-	-	-	-	-	-	1	11	0.1
20-29.....	1	11	0.2	3	53	0.9	3	30	0.3
30-39.....	14	161	3.3	8	92	2.5	23	275	2.3
40-49.....	19	211	7.3	33	529	11.5	37	506	6.0
50-59.....	19	225	11.6	21	280	16.3	58	742	11.5
60-69.....	31	383	18.9	33	442	23.9	81	1,135	19.8
70-79.....	36	367	25.9	44	543	33.1	97	1,142	28.2
80-89.....	68	738	40.0	33	479	41.3	111	1,553	39.6
90-99.....	54	682	53.0	49	648	52.4	119	1,603	51.4
100-119.....	99	1,229	76.5	91	1,207	73.1	178	2,448	69.3
120-139.....	56	660	89.1	48	650	84.2	143	1,919	83.4
140-159.....	27	289	94.6	28	387	90.8	72	961	90.5
160-179.....	16	186	98.1	19	327	96.4	49	694	95.6
180 or more...	7	97	100.0	18	211	100.0	51	602	100.0
White									
Total.....	358	4,365	100.0	353	4,937	100.0	856	11,443	100.0
Less than 20...	-	-	-	-	-	-	1	11	0.1
20-29.....	1	11	0.3	3	53	1.1	1	8	0.2
30-39.....	10	125	3.1	6	70	2.5	20	240	2.3
40-49.....	13	142	6.4	26	442	11.4	27	333	5.2
50-59.....	17	209	11.2	16	235	16.2	49	644	10.8
60-69.....	25	313	18.4	28	370	23.7	62	857	18.3
70-79.....	32	340	26.1	38	469	33.2	75	894	26.1
80-89.....	58	665	41.4	24	370	40.7	98	1,381	38.2
90-99.....	36	493	52.7	42	575	52.3	96	1,274	49.3
100-119.....	82	1,023	76.1	74	973	72.0	156	2,158	68.2
120-139.....	45	557	88.9	40	558	83.3	116	1,602	82.2
140-159.....	20	231	94.2	25	354	90.5	63	850	89.6
160-179.....	13	187	98.0	14	264	95.9	45	631	95.1
180 or more...	6	87	100.0	17	205	100.0	47	560	100.0
Black									
Total.....	83	771	100.0	68	797	100.0	141	1,806	100.0
Less than 20...	-	-	-	-	-	-	-	-	-
20-29.....	-	-	-	-	-	-	2	22	1.2
30-39.....	4	36	4.7	2	22	2.7	3	35	3.1
40-49.....	6	69	13.6	6	80	12.8	8	130	10.3
50-59.....	2	15	15.6	5	45	18.4	8	77	14.6
60-69.....	6	70	24.7	4	40	23.4	17	258	28.8
70-79.....	4	27	28.2	6	74	32.7	18	181	38.8
80-89.....	10	73	37.6	8	90	44.1	11	151	47.2
90-99.....	16	160	58.4	7	73	53.2	19	273	62.4
100-119.....	14	138	76.3	16	210	79.6	21	278	77.8
120-139.....	11	102	89.6	6	68	88.1	20	234	90.8
140-159.....	6	51	96.2	3	33	92.3	7	81	95.2
160-179.....	3	20	98.8	4	56	99.3	3	44	97.7
180 or more...	1	10	100.0	1	6	100.0	4	42	100.0

See footnotes at end of table.

Table 51. Cumulative percent distribution of serum iron of females 3-74 years, by age, race, and level of serum iron: United States, 1976-80—Con.

Race and serum iron in micrograms per deciliter	Age								
	25-44 years			45-64 years			65-74 years		
	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent
All races²									
Total.....	1,953	28,276	100.0	2,017	21,848	100.0	1,362	7,842	100.0
Less than 20...	2	22	0.1	1	21	0.1	-	-	-
20-29.....	25	338	1.3	6	71	0.4	7	40	0.5
30-39.....	48	646	3.6	21	258	1.6	16	74	1.5
40-49.....	76	1,048	7.3	78	826	5.4	42	230	4.4
50-59.....	118	1,634	13.0	139	1,419	11.9	91	479	10.5
60-69.....	200	2,959	23.5	203	2,318	22.5	145	791	20.6
70-79.....	245	3,400	35.5	262	2,868	35.6	191	1,151	35.2
80-89.....	213	3,172	46.7	308	2,996	49.3	187	1,075	49.0
90-99.....	199	2,799	56.6	255	2,729	61.8	196	1,109	63.1
100-119.....	347	5,149	74.9	394	4,383	81.9	294	1,669	84.4
120-139.....	231	3,432	87.0	202	2,217	92.0	121	801	94.6
140-159.....	117	1,718	93.1	88	1,060	96.9	44	263	97.9
160-179.....	63	915	98.3	32	385	98.6	18	100	99.2
180 or more...	69	1,048	100.0	28	296	100.0	10	61	100.0
White									
Total.....	1,673	24,328	100.0	1,760	19,267	100.0	1,200	7,023	100.0
Less than 20...	2	22	0.1	1	21	0.1	-	-	-
20-29.....	21	296	1.3	6	71	0.5	6	35	0.5
30-39.....	35	508	3.4	18	221	1.6	15	70	1.5
40-49.....	63	878	7.0	59	660	5.0	35	193	4.3
50-59.....	100	1,375	12.7	99	1,044	10.5	78	417	10.2
60-69.....	168	2,526	23.0	167	1,863	20.1	120	671	19.7
70-79.....	202	2,792	34.5	223	2,513	33.2	165	1,003	34.0
80-89.....	174	2,525	44.9	267	2,630	46.8	154	916	47.1
90-99.....	175	2,515	55.2	236	2,549	60.1	181	1,042	61.9
100-119.....	297	4,388	73.3	367	4,070	81.2	269	1,572	84.3
120-139.....	210	3,145	86.2	190	2,104	92.1	107	690	94.1
140-159.....	107	1,589	92.7	81	978	97.2	42	251	97.7
160-179.....	56	809	96.1	28	354	99.0	18	100	99.1
180 or more...	63	958	100.0	18	189	100.0	10	61	100.0
Black									
Total.....	241	3,278	100.0	224	2,090	100.0	144	687	100.0
Less than 20...	-	-	-	-	-	-	-	-	-
20-29.....	3	33	1.0	-	-	-	-	-	-
30-39.....	11	117	4.6	2	18	0.8	1	4	0.6
40-49.....	10	117	8.2	18	148	7.9	5	19	3.3
50-59.....	14	181	13.7	39	345	24.5	12	52	11.0
60-69.....	30	403	26.0	31	358	41.6	21	91	24.2
70-79.....	36	481	40.7	35	318	56.8	24	130	43.1
80-89.....	37	597	58.9	34	297	71.0	31	146	64.4
90-99.....	21	231	65.9	17	155	78.4	15	67	74.1
100-119.....	44	671	86.4	24	256	90.7	23	83	86.1
120-139.....	16	200	92.5	8	65	93.8	10	84	98.3
140-159.....	10	127	96.4	6	64	96.9	2	12	100.0
160-179.....	4	52	97.9	3	27	98.2	-	-	100.0
180 or more...	5	68	100.0	7	38	100.0	-	-	100.0

¹ Does not include sample weights for missing values.

² Includes data for races not shown as separate categories.

Table 52. Cumulative percent distribution of serum total iron-binding capacity of males 3-74 years, by age, race, and level of serum total iron-binding capacity: United States, 1976-80

Race and serum total iron-binding capacity in micrograms per deciliter	Age								
	3-74 years			3-5 years			6-11 years		
	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent
All races²									
Total.....	7,431	80,577	100.0	728	2,826	100.0	647	7,696	100.0
Less than 150 ..	-	-	-	-	-	-	-	-	-
150-199	7	51	0.1	1	2	0.1	1	18	0.2
200-249	49	378	0.5	3	12	0.5	1	7	0.3
250-299	479	4,792	6.5	18	62	2.7	14	188	2.8
300-349	2,188	23,842	36.1	132	529	21.4	117	1,402	21.0
350-399	2,786	30,208	73.6	311	1,209	64.2	304	3,641	68.3
400-449	1,449	16,393	93.9	201	777	91.7	166	1,975	94.0
450-499	399	4,131	99.0	59	222	99.6	39	406	99.2
500 or more ...	74	781	100.0	3	11	100.0	5	59	100.0
White									
Total.....	6,395	69,937	100.0	593	2,315	100.0	540	6,433	100.0
Less than 150 ..	-	-	-	-	-	-	-	-	-
150-199	5	25	0.0	1	2	0.1	-	-	-
200-249	38	291	0.5	3	12	0.6	1	7	0.1
250-299	399	4,003	6.2	13	42	2.4	11	129	2.1
300-349	1,873	20,542	35.5	112	439	21.4	97	1,195	20.7
350-399	2,423	26,454	73.4	252	995	64.4	261	3,090	68.7
400-449	1,245	14,278	93.8	160	628	91.5	136	1,664	94.6
450-499	347	3,654	99.0	49	186	99.5	30	296	99.2
500 or more ...	65	689	100.0	3	11	100.0	4	52	100.0
Black									
Total.....	861	8,320	100.0	109	393	100.0	89	1,014	100.0
Less than 150 ..	-	-	-	-	-	-	-	-	-
150-199	-	-	-	-	-	-	-	-	-
200-249	9	58	0.7	-	-	-	-	-	-
250-299	64	532	7.1	3	11	2.9	1	20	2.0
300-349	252	2,398	35.9	17	78	22.7	16	141	15.9
350-399	309	3,178	74.1	45	156	62.4	37	489	64.2
400-449	172	1,656	94.0	35	118	92.3	27	281	91.9
450-499	47	415	99.0	9	30	100.0	7	75	99.3
500 or more ...	8	82	100.0	-	-	100.0	1	7	100.0

See footnotes at end of table.

Table 52. Cumulative percent distribution of serum total iron-binding capacity of males 3-74 years, by age, race, and level of serum total iron-binding capacity: United States, 1976-80—Con.

Race and serum total iron-binding capacity in micrograms per deciliter	Age								
	12-14 years			15-17 years			18-24 years		
	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent
All races²									
Total.....	410	4,911	100.0	437	5,297	100.0	864	11,745	100.0
Less than 150..	-	-	-	-	-	-	-	-	-
150-199.....	1	6	0.1	-	-	-	-	-	-
200-249.....	-	-	0.1	1	12	0.2	4	42	0.4
250-299.....	5	44	1.0	15	168	3.4	36	495	4.6
300-349.....	57	696	15.2	74	862	19.7	240	3,335	33.0
350-399.....	145	1,769	51.2	185	2,240	62.0	339	4,585	72.0
400-449.....	143	1,747	86.8	116	1,464	89.6	191	2,561	93.8
450-499.....	45	523	97.4	40	468	98.4	42	565	98.6
500 or more ...	14	126	100.0	6	82	100.0	12	163	100.0
White									
Total.....	343	4,119	100.0	358	4,403	100.0	745	10,186	100.0
Less than 150..	-	-	-	-	-	-	-	-	-
150-199.....	1	6	0.2	-	-	-	-	-	-
200-249.....	-	-	0.2	1	12	0.3	2	18	0.2
250-299.....	4	36	1.0	12	133	3.3	30	395	4.1
300-349.....	43	503	13.2	53	619	17.4	209	2,937	32.9
350-399.....	123	1,538	50.6	154	1,894	60.4	298	4,086	73.0
400-449.....	124	1,491	86.8	97	1,237	88.5	161	2,128	93.9
450-499.....	37	443	97.5	35	425	98.1	34	469	98.5
500 or more ...	11	103	100.0	6	82	100.0	11	153	100.0
Black									
Total.....	56	622	100.0	66	737	100.0	102	1,305	100.0
Less than 150..	-	-	-	-	-	-	-	-	-
150-199.....	-	-	-	-	-	-	-	-	-
200-249.....	-	-	-	-	-	-	1	17	1.3
250-299.....	1	8	1.4	3	35	4.8	3	43	4.6
300-349.....	9	117	20.2	16	156	25.9	25	324	29.4
350-399.....	22	231	57.4	25	302	66.9	40	490	66.9
400-449.....	14	168	84.4	17	202	94.3	25	335	92.6
450-499.....	7	73	96.2	5	42	100.0	8	96	100.0
500 or more ...	3	23	100.0	-	-	100.0	-	-	100.0

See footnotes at end of table.

Table 52. Cumulative percent distribution of serum total iron-binding capacity of males 3-74 years, by age, race, and level of serum total iron-binding capacity: United States, 1976-80—Con.

Race and serum total iron-binding capacity in micrograms per deciliter	Age								
	25-44 years			45-64 years			65-74 years		
	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent
All races²									
Total.....	1,612	24,282	100.0	1,696	18,363	100.0	1,037	5,458	100.0
Less than 150 ..	-	-	-	-	-	-	-	-	-
150-199	-	-	-	2	13	0.1	2	11	0.2
200-249	8	109	0.4	16	126	0.8	16	71	1.5
250-299	109	1,673	7.3	157	1,538	9.1	125	623	12.9
300-349	567	8,594	42.7	569	6,091	42.3	432	2,334	55.7
350-399	594	8,788	78.9	589	6,291	76.6	319	1,685	86.6
400-449	261	4,086	95.7	261	3,246	94.2	110	537	96.4
450-499	64	891	99.4	84	908	99.2	26	148	99.1
500 or more ...	9	141	100.0	18	150	100.0	7	48	100.0
White									
Total.....	1,391	21,172	100.0	1,514	16,451	100.0	911	4,858	100.0
Less than 150 ..	-	-	-	-	-	-	-	-	-
150-199	-	-	-	2	13	0.1	1	3	0.1
200-249	6	91	0.4	12	91	0.6	13	61	1.3
250-299	92	1,418	7.1	128	1,297	8.5	109	555	12.8
300-349	478	7,349	41.8	505	5,434	41.6	376	2,065	55.3
350-399	521	7,720	78.3	535	5,642	75.8	279	1,489	85.9
400-449	227	3,618	95.4	238	3,017	94.2	102	495	96.1
450-499	60	853	99.4	78	840	99.3	24	142	99.0
500 or more ...	7	123	100.0	16	117	100.0	7	48	100.0
Black									
Total.....	177	2,259	100.0	159	1,544	100.0	103	447	100.0
Less than 150 ..	-	-	-	-	-	-	-	-	-
150-199	-	-	-	-	-	-	-	-	-
200-249	2	18	0.8	3	14	0.9	3	10	2.2
250-299	12	160	7.9	26	194	13.4	15	60	15.6
300-349	69	886	47.1	56	507	46.3	44	190	58.0
350-399	62	820	83.4	46	548	81.8	32	143	89.9
400-449	27	334	98.2	20	179	93.4	7	39	98.6
450-499	3	23	99.2	6	69	97.8	2	6	100.0
500 or more ...	2	18	100.0	2	34	100.0	-	-	100.0

¹ Does not include sample weights for missing values.

² Includes data for races not shown as separate categories.

Table 53. Cumulative percent distribution of serum total iron-binding capacity of females 3-74 years, by age, race, and level of serum total iron-binding capacity: United States, 1976-80

Race and serum total iron-binding capacity in micrograms per deciliter	Age								
	3-74 years			3-5 years			6-11 years		
	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent
All races²									
Total.....	7,783	85,015	100.0	615	2,402	100.0	635	7,587	100.0
Less than 150..	-	-	-	-	-	-	-	-	-
150-199.....	2	9	0.0	-	-	-	-	-	-
200-249.....	31	347	0.4	2	5	0.2	-	-	-
250-299.....	452	4,906	6.2	11	39	1.9	14	167	2.2
300-349.....	2,053	21,839	31.9	148	605	27.1	142	1,809	26.0
350-399.....	2,857	30,685	68.0	280	1,089	72.4	277	3,270	69.1
400-449.....	1,598	17,666	88.8	143	523	94.2	158	1,825	93.2
450-499.....	586	6,912	96.9	27	125	99.4	41	490	99.7
500 or more ...	204	2,651	100.0	4	15	100.0	3	26	100.0
White									
Total.....	6,665	73,648	100.0	501	1,983	100.0	515	6,340	100.0
Less than 150..	-	-	-	-	-	-	-	-	-
150-199.....	2	9	0.0	-	-	-	-	-	-
200-249.....	27	325	0.5	1	3	0.1	-	-	-
250-299.....	386	4,225	6.2	9	31	1.7	11	142	2.2
300-349.....	1,759	18,839	31.8	124	498	26.8	114	1,477	25.5
350-399.....	2,456	26,735	68.1	226	908	72.6	219	2,687	67.9
400-449.....	1,370	15,307	88.9	116	429	94.3	134	1,581	92.8
450-499.....	497	5,994	97.0	22	102	99.4	36	445	99.9
500 or more ...	168	2,215	100.0	3	12	100.0	1	9	100.0
Black									
Total.....	973	9,400	100.0	99	343	100.0	106	1,085	100.0
Less than 150..	-	-	-	-	-	-	-	-	-
150-199.....	-	-	-	-	-	-	-	-	-
200-249.....	3	14	0.2	1	3	0.7	-	-	-
250-299.....	51	470	5.2	1	2	1.5	3	24	2.3
300-349.....	248	2,339	30.0	22	97	29.8	21	240	24.4
350-399.....	362	3,393	66.1	48	153	74.4	55	553	75.3
400-449.....	204	2,061	88.1	24	79	97.5	21	213	94.9
450-499.....	75	793	96.5	2	6	99.3	4	38	98.4
500 or more ...	30	330	100.0	1	2	100.0	2	17	100.0

See footnotes at end of table.

Table 53. Cumulative percent distribution of serum total iron-binding capacity of females 3-74 years, by age, race, and level of serum total iron-binding capacity: United States, 1976-80—Con.

Race and serum total iron-binding capacity in micrograms per deciliter	Age								
	12-14 years			15-17 years			18-24 years		
	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent
All races²									
Total.....	394	4,700	100.0	360	4,997	100.0	933	12,460	100.0
Less than 150..	-	-	-	-	-	-	-	-	-
150-199.....	-	-	-	-	-	-	-	-	-
200-249.....	1	6	0.1	-	-	-	3	73	0.6
250-299.....	7	89	2.0	8	97	1.9	40	595	5.4
300-349.....	61	770	18.4	58	920	20.3	185	2,532	25.7
350-399.....	149	1,692	54.4	145	1,981	60.0	316	4,229	59.6
400-449.....	127	1,482	85.9	105	1,389	87.8	210	2,708	81.3
450-499.....	40	520	97.0	31	438	96.5	112	1,476	93.2
500 or more...	9	140	100.0	13	173	100.0	67	849	100.0
White									
Total.....	317	3,938	100.0	300	4,271	100.0	781	10,482	100.0
Less than 150..	-	-	-	-	-	-	-	-	-
150-199.....	-	-	-	-	-	-	-	-	-
200-249.....	1	6	0.2	-	-	-	3	73	0.7
250-299.....	6	70	1.9	7	88	2.1	35	491	5.4
300-349.....	49	636	18.1	53	854	22.1	150	2,051	24.9
350-399.....	122	1,489	55.9	124	1,715	62.2	271	3,655	59.8
400-449.....	103	1,237	87.3	83	1,139	88.9	172	2,275	81.5
450-499.....	31	425	98.1	23	331	96.6	100	1,297	93.9
500 or more...	5	74	100.0	10	145	100.0	50	640	100.0
Black									
Total.....	72	667	100.0	53	613	100.0	128	1,624	100.0
Less than 150..	-	-	-	-	-	-	-	-	-
150-199.....	-	-	-	-	-	-	-	-	-
200-249.....	-	-	-	-	-	-	-	-	-
250-299.....	-	-	-	1	8	1.3	4	86	5.3
300-349.....	12	134	20.1	3	27	5.8	26	341	26.3
350-399.....	27	203	50.5	19	224	42.0	38	474	55.5
400-449.....	21	197	80.0	22	250	83.0	35	384	79.1
450-499.....	9	95	94.3	5	76	95.4	11	170	89.6
500 or more...	3	38	100.0	3	28	100.0	14	168	100.0

See footnotes at end of table.

Table 53. Cumulative percent distribution of serum total iron-binding capacity of females 3-74 years, by age, race, and level of serum total iron-binding capacity: United States, 1976-80—Con.

Race and serum total iron-binding capacity in micrograms per deciliter	Age								
	25-44 years			45-64 years			65-74 years		
	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent
All races²									
Total.....	1,787	25,918	100.0	1,817	19,789	100.0	1,242	7,161	100.0
Less than 150 ..	-	-	-	-	-	-	-	-	-
150-199	-	-	-	-	-	-	2	9	0.1
200-249	9	148	0.6	11	95	0.5	5	20	0.4
250-299	129	1,868	7.8	129	1,354	7.3	114	697	10.1
300-349	469	6,847	34.2	556	5,847	36.9	434	2,509	45.2
350-399	594	8,657	67.6	662	7,285	73.7	434	2,482	79.8
400-449	359	5,105	87.3	314	3,605	91.9	182	1,030	94.2
450-499	166	2,384	96.5	112	1,154	97.7	57	324	98.7
500 or more ...	61	910	100.0	33	448	100.0	14	90	100.0
White									
Total.....	1,543	22,518	100.0	1,603	17,651	100.0	1,105	6,465	100.0
Less than 150 ..	-	-	-	-	-	-	-	-	-
150-199	-	-	-	-	-	-	2	9	0.1
200-249	9	148	0.7	9	77	0.4	4	18	0.4
250-299	120	1,724	8.3	106	1,140	6.9	92	540	8.8
300-349	404	5,945	34.7	483	5,118	35.9	382	2,260	43.7
350-399	508	7,400	67.6	593	6,591	73.2	393	2,291	79.2
400-449	308	4,405	87.1	282	3,258	91.7	172	983	94.4
450-499	138	2,051	96.2	100	1,065	97.7	47	278	98.7
500 or more ...	56	846	100.0	30	403	100.0	13	86	100.0
Black									
Total.....	209	2,784	100.0	186	1,716	100.0	120	569	100.0
Less than 150 ..	-	-	-	-	-	-	-	-	-
150-199	-	-	-	-	-	-	-	-	-
200-249	-	-	-	1	9	0.5	1	3	0.5
250-299	6	95	3.4	17	124	7.8	19	129	23.2
300-349	56	723	29.4	63	586	41.9	45	192	57.0
350-399	72	993	65.1	64	617	77.9	39	175	87.8
400-449	46	636	87.9	27	269	93.6	8	33	93.5
450-499	25	285	98.1	12	90	98.8	7	33	99.3
500 or more ...	4	52	100.0	2	20	100.0	1	4	100.0

¹ Does not include sample weights for missing values.

² Includes data for races not shown as separate categories.

Table 54. Cumulative percent distribution of transferrin saturation of males 3-74 years, by age, race, and level of transferrin saturation: United States, 1976-80

Race and transferrin saturation in percent	Age								
	3-74 years			3-5 years			6-11 years		
	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent
All races²									
Total.....	7,411	80,386	100.0	727	2,822	100.0	647	7,896	100.0
Less than 5.0....	1	8	0.0	-	-	-	-	-	-
5.0-9.9.....	97	844	1.1	36	133	4.7	20	205	2.7
10.0-11.9.....	123	1,027	2.3	46	157	10.3	18	213	5.4
12.0-13.9.....	192	1,830	4.6	41	163	16.0	47	600	13.2
14.0-15.9.....	292	2,954	8.3	46	168	22.0	48	578	20.7
16.0-17.9.....	457	4,597	14.0	80	313	33.1	57	634	29.0
18.0-19.9.....	512	5,325	20.6	66	301	43.8	58	677	37.8
20.0-24.9.....	1,520	16,463	41.1	158	621	65.8	163	1,913	62.6
25.0-29.9.....	1,476	15,951	61.0	114	420	80.7	110	1,341	80.1
30.0-39.9.....	1,931	22,275	88.7	111	436	96.1	108	1,284	96.5
40.0-49.9.....	611	7,008	97.4	23	81	99.0	17	212	99.2
50.0-74.9.....	197	2,077	100.0	6	29	100.0	3	58	100.0
75.0 or more...	2	26	100.0	-	-	100.0	-	-	100.0
White									
Total.....	6,379	69,792	100.0	593	2,315	100.0	540	6,433	100.0
Less than 5.0....	1	8	0.0	-	-	-	-	-	-
5.0-9.9.....	83	711	1.0	31	113	4.9	17	175	2.7
10.0-11.9.....	100	870	2.3	35	120	10.1	18	187	5.6
12.0-13.9.....	158	1,517	4.5	32	137	16.0	39	501	13.4
14.0-15.9.....	251	2,469	8.0	37	130	21.6	35	411	19.8
16.0-17.9.....	379	3,838	13.5	64	266	33.1	48	498	27.5
18.0-19.9.....	438	4,647	20.1	52	231	43.0	44	558	36.2
20.0-24.9.....	1,287	14,140	40.4	125	485	64.0	136	1,617	61.3
25.0-29.9.....	1,277	14,112	60.6	93	351	79.2	91	1,109	78.6
30.0-39.9.....	1,707	19,621	88.7	98	382	95.6	96	1,124	96.1
40.0-49.9.....	520	5,995	97.3	20	72	98.7	15	195	99.1
50.0-74.9.....	176	1,839	100.0	6	29	100.0	3	58	100.0
75.0 or more...	2	26	100.0	-	-	100.0	-	-	100.0
Black									
Total.....	858	8,300	100.0	108	389	100.0	89	1,014	100.0
Less than 5.0....	-	-	-	-	-	-	-	-	-
5.0-9.9.....	8	87	1.0	2	8	2.0	2	24	2.4
10.0-11.9.....	23	157	2.9	11	37	11.5	2	26	4.9
12.0-13.9.....	30	266	6.2	8	24	17.6	7	86	13.4
14.0-15.9.....	33	359	10.5	7	31	25.4	10	105	23.7
16.0-17.9.....	68	616	17.9	14	41	36.1	9	136	37.1
18.0-19.9.....	70	637	25.6	12	60	51.6	11	112	48.2
20.0-24.9.....	197	1,890	48.4	26	95	75.9	20	209	68.7
25.0-29.9.....	171	1,515	66.6	16	45	87.5	16	188	87.3
30.0-39.9.....	176	1,929	89.9	10	43	98.5	10	112	98.4
40.0-49.9.....	70	722	98.6	2	6	100.0	2	17	100.0
50.0-74.9.....	12	119	100.0	-	-	100.0	-	-	100.0
75.0 or more...	-	-	100.0	-	-	100.0	-	-	100.0

See footnotes at end of table.

Table 54. Cumulative percent distribution of transferrin saturation of males 3-74 years, by age, race, and level of transferrin saturation: United States, 1976-80—Con.

Race and transferrin saturation in percent	Age								
	12-14 years			15-17 years			18-24 years		
	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent
All races²									
Total.....	408	4,890	100.0	437	5,297	100.0	861	11,700	100.0
Less than 5.0...	-	-	-	-	-	-	-	-	-
5.0-9.9.....	11	135	2.8	1	15	0.3	2	39	0.3
10.0-11.9.....	5	48	3.7	6	57	1.4	5	96	1.2
12.0-13.9.....	15	181	7.4	8	74	2.7	10	131	2.3
14.0-15.9.....	25	318	13.9	10	95	4.5	24	347	5.2
16.0-17.9.....	40	438	22.9	20	250	9.3	41	552	10.0
18.0-19.9.....	41	487	32.9	35	418	17.1	45	507	14.3
20.0-24.9.....	97	1,130	56.0	95	1,131	38.5	150	2,075	32.0
25.0-29.9.....	75	897	74.3	93	1,130	59.8	164	2,161	50.5
30.0-39.9.....	82	1,076	96.3	120	1,553	89.1	259	3,648	81.7
40.0-49.9.....	12	140	99.2	38	439	97.4	117	1,623	95.5
50.0-74.9.....	5	40	100.0	11	135	100.0	43	512	99.9
75.0 or more...	-	-	100.0	-	-	100.0	1	9	100.0
White									
Total.....	342	4,112	100.0	358	4,403	100.0	742	10,140	100.0
Less than 5.0...	-	-	-	-	-	-	-	-	-
5.0-9.9.....	9	109	2.6	1	15	0.3	2	39	0.4
10.0-11.9.....	4	41	3.6	5	47	1.4	4	84	1.2
12.0-13.9.....	12	141	7.1	7	66	2.9	10	131	2.5
14.0-15.9.....	23	285	14.0	10	95	5.1	21	318	5.6
16.0-17.9.....	29	335	22.1	13	149	8.4	38	526	10.8
18.0-19.9.....	35	405	32.0	28	352	16.4	40	456	15.3
20.0-24.9.....	82	961	55.3	75	933	37.6	134	1,875	33.8
25.0-29.9.....	64	798	74.8	77	941	59.0	137	1,809	51.7
30.0-39.9.....	69	888	96.3	106	1,394	90.7	220	3,052	81.8
40.0-49.9.....	11	121	99.3	29	320	97.9	94	1,348	95.0
50.0-74.9.....	4	29	100.0	7	91	100.0	41	494	99.9
75.0 or more...	-	-	100.0	-	-	100.0	1	9	100.0
Black									
Total.....	55	608	100.0	66	737	100.0	102	1,305	100.0
Less than 5.0...	-	-	-	-	-	-	-	-	-
5.0-9.9.....	1	8	1.3	-	-	-	-	-	-
10.0-11.9.....	1	8	2.6	1	9	1.3	1	12	0.9
12.0-13.9.....	2	33	8.1	1	8	2.4	-	-	0.9
14.0-15.9.....	-	-	8.1	-	-	2.4	3	29	3.1
16.0-17.9.....	10	93	23.4	5	79	13.0	3	26	5.1
18.0-19.9.....	6	83	36.9	7	66	22.0	5	51	9.0
20.0-24.9.....	13	124	57.4	18	184	47.0	14	181	22.9
25.0-29.9.....	11	99	73.7	12	162	69.0	25	312	46.8
30.0-39.9.....	11	160	100.0	13	141	88.1	30	451	81.4
40.0-49.9.....	-	-	100.0	6	63	96.6	19	224	98.6
50.0-74.9.....	-	-	100.0	3	25	100.0	2	19	100.0
75.0 or more...	-	-	100.0	-	-	100.0	-	-	100.0

See footnotes at end of table.

Table 54. Cumulative percent distribution of transferrin saturation of males 3-74 years, by age, race, and level of transferrin saturation: United States, 1976-80-Con.

Race and transferrin saturation in percent	Age								
	25-44 years			45-64 years			65-74 years		
	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent
All races²									
Total.....	1,608	24,222	100.0	1,891	18,340	100.0	1,032	5,421	100.0
Less than 5.0...	-	-	-	-	-	-	1	8	0.2
5.0-9.9.....	4	103	0.4	20	200	1.1	3	14	0.4
10.0-11.9.....	18	253	1.5	15	154	1.9	10	50	1.3
12.0-13.9.....	17	206	2.3	38	399	4.1	16	76	2.7
14.0-15.9.....	42	541	4.6	61	739	8.1	36	168	5.8
16.0-17.9.....	86	1,163	9.4	93	983	13.5	50	264	10.7
18.0-19.9.....	101	1,550	15.8	114	1,110	19.5	54	275	15.8
20.0-24.9.....	310	4,617	34.8	345	3,927	41.0	202	1,049	35.1
25.0-29.9.....	321	4,797	54.6	374	3,992	62.7	225	1,213	57.5
30.0-39.9.....	483	7,599	86.0	458	5,039	90.2	310	1,661	88.1
40.0-49.9.....	171	2,574	96.6	145	1,477	98.3	88	461	96.7
50.0-74.9.....	55	817	100.0	37	303	99.9	37	181	100.0
75.0 or more...	-	-	100.0	1	17	100.0	-	-	100.0
White									
Total.....	1,388	21,137	100.0	1,509	16,428	100.0	907	4,824	100.0
Less than 5.0...	-	-	-	-	-	-	1	8	0.2
5.0-9.9.....	3	94	0.4	17	153	0.9	3	14	0.5
10.0-11.9.....	16	229	1.5	12	123	1.7	8	39	1.3
12.0-13.9.....	15	179	2.4	31	302	3.5	12	59	2.5
14.0-15.9.....	38	492	4.7	55	584	7.1	32	154	5.7
16.0-17.9.....	71	936	9.1	75	910	12.6	41	219	10.2
18.0-19.9.....	92	1,452	16.0	100	951	18.4	47	244	15.3
20.0-24.9.....	264	3,945	34.7	299	3,424	39.2	172	900	34.0
25.0-29.9.....	285	4,331	55.2	335	3,696	61.7	195	1,077	56.3
30.0-39.9.....	415	6,596	86.4	417	4,639	90.0	286	1,546	88.3
40.0-49.9.....	144	2,203	96.8	131	1,338	98.1	76	397	96.6
50.0-74.9.....	45	680	100.0	36	292	99.9	34	166	100.0
75.0 or more...	-	-	100.0	1	17	100.0	-	-	100.0
Black									
Total.....	177	2,259	100.0	159	1,544	100.0	102	444	100.0
Less than 5.0...	-	-	-	-	-	-	-	-	-
5.0-9.9.....	-	-	-	3	47	3.1	-	-	-
10.0-11.9.....	2	24	1.1	3	31	5.0	2	10	2.4
12.0-13.9.....	2	27	2.3	6	73	9.8	4	16	6.1
14.0-15.9.....	4	50	4.5	5	131	18.3	4	14	9.2
16.0-17.9.....	13	159	11.5	7	50	21.5	7	32	16.4
18.0-19.9.....	8	75	14.8	14	159	31.9	7	31	23.4
20.0-24.9.....	40	559	39.6	42	419	59.0	24	119	50.3
25.0-29.9.....	30	342	54.7	34	253	75.4	27	113	75.8
30.0-39.9.....	50	671	84.4	34	276	93.2	18	75	92.8
40.0-49.9.....	22	279	96.8	11	105	100.0	8	29	99.3
50.0-74.9.....	6	73	100.0	-	-	100.0	1	3	100.0
75.0 or more...	-	-	100.0	-	-	100.0	-	-	100.0

¹ Does not include sample weights for missing values.

² Includes data for races not shown as separate categories.

Table 55. Cumulative percent distribution of transferrin saturation of females 3-74 years, by age, race, and level of transferrin saturation: United States, 1976-80

Race and transferrin saturation in percent	Age								
	3-74 years			3-5 years			6-11 years		
	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent
All races²									
Total.....	7,767	84,844	100.0	615	2,402	100.0	633	7,555	100.0
Less than 5.0...	8	83	0.1	-	-	-	-	-	-
5.0-9.9.....	158	1,743	2.2	20	82	3.4	10	95	1.3
10.0-11.9.....	201	2,216	4.8	20	74	6.5	24	276	4.9
12.0-13.9.....	290	3,149	8.5	31	118	11.4	22	262	8.4
14.0-15.9.....	420	4,575	13.9	51	178	18.8	47	564	15.8
16.0-17.9.....	526	5,520	20.4	70	300	31.3	44	541	23.0
18.0-19.9.....	615	6,472	28.0	49	183	38.9	56	724	32.6
20.0-24.9.....	1,818	19,034	50.4	137	538	61.4	146	1,674	54.7
25.0-29.9.....	1,567	16,881	70.3	117	454	80.2	130	1,558	75.4
30.0-39.9.....	1,580	17,945	91.5	94	377	95.9	122	1,500	95.2
40.0-49.9.....	444	5,465	97.9	21	83	99.4	24	272	98.8
50.0-74.9.....	135	1,684	99.9	5	15	100.0	8	89	100.0
75.0 or more...	7	77	100.0	-	-	100.0	-	-	100.0
White									
Total.....	6,651	73,490	100.0	501	1,983	100.0	513	6,308	100.0
Less than 5.0...	6	66	0.1	-	-	-	-	-	-
5.0-9.9.....	115	1,302	1.9	17	74	3.7	7	64	1.0
10.0-11.9.....	172	1,956	4.5	16	64	6.9	19	230	4.7
12.0-13.9.....	241	2,597	8.1	28	109	12.4	21	257	8.7
14.0-15.9.....	349	3,884	13.3	40	150	20.0	39	474	16.2
16.0-17.9.....	438	4,724	19.8	57	238	32.0	32	405	22.7
18.0-19.9.....	506	5,340	27.0	36	140	39.1	47	613	32.4
20.0-24.9.....	1,519	16,171	49.0	111	435	61.0	111	1,347	53.7
25.0-29.9.....	1,380	14,664	69.0	92	364	79.3	101	1,248	73.5
30.0-39.9.....	1,421	16,330	91.2	81	329	95.9	110	1,371	95.3
40.0-49.9.....	400	4,929	97.9	18	66	99.3	19	216	98.7
50.0-74.9.....	119	1,463	99.9	5	15	100.0	7	82	100.0
75.0 or more...	5	63	100.0	-	-	100.0	-	-	100.0
Black									
Total.....	971	9,388	100.0	99	343	100.0	106	1,085	100.0
Less than 5.0...	2	17	0.2	-	-	-	-	-	-
5.0-9.9.....	34	373	4.2	3	8	2.2	3	31	2.8
10.0-11.9.....	27	227	6.6	4	11	5.3	5	46	7.1
12.0-13.9.....	46	481	11.7	3	9	8.0	1	5	7.6
14.0-15.9.....	61	536	17.4	10	25	15.4	8	90	15.9
16.0-17.9.....	78	700	24.9	10	41	27.4	10	116	26.6
18.0-19.9.....	98	998	35.5	12	39	38.7	9	111	36.8
20.0-24.9.....	267	2,395	61.0	23	91	65.2	31	269	61.6
25.0-29.9.....	181	1,859	80.8	21	70	85.4	25	258	85.4
30.0-39.9.....	136	1,306	94.7	11	40	97.1	10	114	95.9
40.0-49.9.....	25	286	97.8	2	10	100.0	3	37	99.3
50.0-74.9.....	14	195	99.9	-	-	100.0	1	7	100.0
75.0 or more...	2	14	100.0	-	-	100.0	-	-	100.0

See footnotes at end of table.

Table 55. Cumulative percent distribution of transferrin saturation of females 3-74 years, by age, race, and level of transferrin saturation: United States, 1976-80—Con.

Race and transferrin saturation in percent	Age								
	12-14 years			15-17 years			18-24 years		
	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent
All races²									
Total.....	394	4,700	100.0	360	4,997	100.0	931	12,440	100.0
Less than 5.0....	-	-	-	-	-	-	1	9	0.1
5.0-9.9.....	12	153	3.2	10	142	2.8	29	355	2.9
10.0-11.9.....	14	172	6.9	13	218	7.2	28	333	5.6
12.0-13.9.....	15	152	10.2	17	260	12.4	34	458	9.3
14.0-15.9.....	9	142	13.2	24	287	18.1	48	624	14.3
16.0-17.9.....	18	237	18.2	18	249	23.1	58	751	20.3
18.0-19.9.....	32	348	25.6	25	311	29.3	48	684	25.8
20.0-24.9.....	111	1,301	53.3	80	1,083	51.0	205	2,621	46.9
25.0-29.9.....	78	916	72.8	62	824	67.5	180	2,596	67.8
30.0-39.9.....	83	1,014	94.4	74	1,109	89.7	195	2,552	88.3
40.0-49.9.....	18	202	98.7	30	439	98.4	78	1,123	97.3
50.0-74.9.....	4	63	100.0	7	78	100.0	27	333	100.0
75.0 or more...	-	-	100.0	-	-	100.0	-	-	100.0
White									
Total.....	317	3,938	100.0	300	4,271	100.0	779	10,462	100.0
Less than 5.0....	-	-	-	-	-	-	-	-	-
5.0-9.9.....	5	75	1.9	6	71	1.7	24	289	2.8
10.0-11.9.....	14	172	6.3	11	201	6.4	23	271	5.4
12.0-13.9.....	10	92	8.6	13	228	11.7	28	376	8.9
14.0-15.9.....	9	142	12.2	18	232	17.1	37	480	13.5
16.0-17.9.....	17	230	18.1	16	232	22.6	47	630	19.6
18.0-19.9.....	27	314	26.0	22	286	29.2	38	542	24.7
20.0-24.9.....	88	1,086	53.6	66	912	50.6	165	2,071	44.5
25.0-29.9.....	62	726	72.0	48	631	65.4	155	2,232	65.9
30.0-39.9.....	67	874	94.2	67	993	88.6	169	2,281	87.7
40.0-49.9.....	15	174	98.6	26	408	98.2	72	1,028	97.5
50.0-74.9.....	3	53	100.0	7	78	100.0	21	264	100.0
75.0 or more...	-	-	100.0	-	-	100.0	-	-	100.0
Black									
Total.....	72	667	100.0	53	613	100.0	128	1,624	100.0
Less than 5.0....	-	-	-	-	-	-	1	9	0.5
5.0-9.9.....	7	77	11.6	3	63	10.4	5	66	4.6
10.0-11.9.....	-	-	11.6	2	17	13.1	5	62	8.4
12.0-13.9.....	5	61	20.7	4	32	18.3	4	40	10.9
14.0-15.9.....	-	-	20.7	6	54	27.2	8	105	17.3
16.0-17.9.....	1	7	21.8	2	17	29.9	11	121	24.8
18.0-19.9.....	5	34	26.9	3	26	34.1	8	112	31.7
20.0-24.9.....	20	159	50.7	12	121	53.8	31	412	57.1
25.0-29.9.....	15	171	76.3	12	168	81.3	25	364	79.5
30.0-39.9.....	15	121	94.5	6	92	96.3	22	235	94.0
40.0-49.9.....	3	27	98.6	3	23	100.0	3	47	96.8
50.0-74.9.....	1	10	100.0	-	-	100.0	5	51	100.0
75.0 or more...	-	-	100.0	-	-	100.0	-	-	100.0

See footnotes at end of table.

Table 55. Cumulative percent distribution of transferrin saturation of females 3–74 years, by age, race, and level of transferrin saturation: United States, 1976–80—Con.

Race and transferrin saturation in percent	Age								
	25–44 years			45–64 years			65–74 years		
	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent
All races²									
Total.....	1,783	25,866	100.0	1,812	19,744	100.0	1,239	7,140	100.0
Less than 5.0....	5	56	0.2	1	14	0.1	1	4	0.1
5.0–9.9.....	49	700	2.9	19	182	1.0	7	34	0.5
10.0–11.9.....	57	752	5.8	28	284	2.4	17	107	2.0
12.0–13.9.....	86	983	9.6	63	697	6.0	42	219	5.1
14.0–15.9.....	91	1,291	14.6	99	1,227	12.2	51	263	8.8
16.0–17.9.....	111	1,527	20.5	131	1,512	19.8	76	403	14.4
18.0–19.9.....	141	2,011	28.3	140	1,509	27.5	124	702	24.3
20.0–24.9.....	392	5,592	49.9	457	4,501	50.3	290	1,722	48.4
25.0–29.9.....	294	4,339	66.7	410	4,525	73.2	296	1,670	71.8
30.0–39.9.....	386	5,745	88.9	358	4,081	93.9	268	1,567	93.7
40.0–49.9.....	138	2,074	96.9	80	936	98.6	55	337	98.4
50.0–74.9.....	50	758	99.9	23	244	99.8	11	103	99.9
75.0 or more...	3	36	100.0	3	33	100.0	1	8	100.0
White									
Total.....	1,539	22,465	100.0	1,600	17,619	100.0	1,102	6,443	100.0
Less than 5.0....	4	48	0.2	1	14	0.1	1	4	0.1
5.0–9.9.....	36	551	2.7	16	157	1.0	4	20	0.4
10.0–11.9.....	50	670	5.7	22	241	2.3	17	107	2.0
12.0–13.9.....	58	805	9.2	46	525	5.3	39	207	5.3
14.0–15.9.....	80	1,152	14.4	87	1,061	11.3	39	194	8.3
16.0–17.9.....	89	1,249	19.9	112	1,374	19.1	68	366	13.9
18.0–19.9.....	114	1,653	27.3	110	1,153	25.7	112	641	23.9
20.0–24.9.....	335	4,847	48.9	399	3,968	48.2	244	1,506	47.3
25.0–29.9.....	256	3,717	65.4	379	4,204	72.1	267	1,542	71.2
30.0–39.9.....	344	5,181	88.5	336	3,829	93.8	247	1,472	94.0
40.0–49.9.....	127	1,865	96.8	70	848	98.6	53	324	99.1
50.0–74.9.....	48	701	99.9	20	218	99.8	10	53	99.9
75.0 or more...	2	26	100.0	2	29	100.0	1	8	100.0
Black									
Total.....	209	2,784	100.0	184	1,703	100.0	120	569	100.0
Less than 5.0....	1	8	0.3	-	-	-	-	-	-
5.0–9.9.....	10	119	4.6	2	6	0.4	1	3	0.5
10.0–11.9.....	5	49	6.3	6	43	2.9	-	-	0.5
12.0–13.9.....	9	151	11.8	17	172	13.0	3	11	2.5
14.0–15.9.....	9	95	15.2	10	117	19.9	10	49	11.0
16.0–17.9.....	20	251	24.2	17	116	26.7	7	30	16.3
18.0–19.9.....	25	329	36.0	28	312	45.0	8	37	22.7
20.0–24.9.....	53	662	59.8	53	477	73.0	44	204	58.6
25.0–29.9.....	32	492	77.4	25	229	86.5	26	108	77.5
30.0–39.9.....	36	466	94.2	17	164	96.1	19	75	90.7
40.0–49.9.....	4	95	97.6	6	44	98.7	1	3	91.2
50.0–74.9.....	4	59	99.6	2	18	99.8	1	50	100.0
75.0 or more...	1	10	100.0	1	4	100.0	-	-	100.0

¹ Does not include sample weights for missing values.

² Includes data for races not shown as separate categories.

Table 56. Serum zinc levels of males 3-74 years with mean, standard deviation, standard error of the mean, and selected percentiles, by race and age: United States, 1976-80

Race and age	Number of examined persons	Estimated population in thousands	Mean	Standard deviation	Standard error of the mean	Percentile								
						5th	10th	15th	25th	50th	75th	85th	90th	95th
All races¹						Serum zinc in micrograms per deciliter								
3-74 years	7,218	95,136	89.3	15.54	0.53	66.1	71.0	74.1	79.0	88.1	99.0	105.0	109.0	115.1
3-5 years	650	4,695	80.2	13.11	0.68	61.0	65.0	67.1	71.1	79.0	88.0	92.1	99.0	104.1
6-8 years	270	5,336	81.0	13.44	1.03	62.0	65.0	68.0	70.1	80.1	89.0	94.0	98.1	104.1
9-11 years	344	5,310	85.1	14.01	1.02	65.0	69.1	72.1	76.1	83.1	93.1	99.0	102.1	109.1
12-14 years	406	5,920	85.9	13.59	0.98	66.0	69.1	72.0	76.1	85.1	96.0	99.1	102.1	108.0
15-17 years	462	6,320	88.5	15.89	1.15	65.1	71.0	73.0	77.1	87.1	97.1	104.1	109.0	115.1
18-24 years	827	13,275	93.9	16.31	0.95	70.0	75.0	77.1	83.0	92.1	104.1	110.1	116.0	123.1
25-34 years	933	15,895	93.6	15.82	0.68	69.1	75.1	78.0	83.1	93.0	103.1	108.1	112.1	119.0
35-44 years	656	11,367	89.9	15.49	0.74	67.0	72.1	75.0	79.1	89.1	99.0	105.1	108.0	115.0
45-54 years	600	11,114	89.4	14.70	0.85	68.1	72.1	75.0	80.1	88.1	98.1	104.0	108.1	112.1
55-64 years	1,056	9,607	88.0	14.41	0.68	65.1	70.1	74.0	78.1	87.1	97.1	102.1	106.0	113.0
65-74 years	1,014	6,297	85.8	14.38	0.80	64.1	68.0	72.0	77.0	85.1	94.1	100.0	103.1	108.1
White														
3-74 years	6,234	81,889	89.8	15.63	0.51	67.0	71.1	75.0	79.1	89.0	99.1	105.1	109.1	116.0
3-5 years	535	3,789	80.2	13.12	0.89	61.0	65.1	67.1	71.1	78.1	87.1	92.1	99.0	105.0
6-8 years	229	4,357	80.8	13.39	1.04	63.0	65.1	68.1	70.1	80.1	88.1	94.1	98.1	103.1
9-11 years	283	4,411	85.3	14.30	1.03	65.1	69.0	72.1	76.1	84.0	93.1	99.0	102.1	109.1
12-14 years	338	4,864	85.9	13.79	1.06	65.1	69.1	72.0	76.1	85.1	96.0	99.1	102.1	108.1
15-17 years	384	5,269	89.0	16.07	1.23	67.1	71.0	73.1	77.1	87.1	99.1	106.1	110.1	116.1
18-24 years	721	11,442	94.2	16.48	1.14	70.1	75.1	78.0	83.1	92.1	105.0	110.1	116.1	124.0
25-34 years	798	13,864	94.1	15.64	0.70	71.1	76.1	79.0	84.1	93.1	104.0	108.1	112.1	119.0
35-44 years	577	9,808	90.4	15.86	0.72	67.1	72.1	75.0	80.0	90.0	99.1	105.1	108.0	115.1
45-54 years	540	9,865	90.0	14.81	0.91	69.1	73.1	75.1	80.1	89.0	99.0	104.1	109.0	113.1
55-64 years	946	8,642	88.6	14.14	0.60	67.1	71.1	75.0	79.0	88.0	98.0	102.1	106.0	113.0
65-74 years	883	5,576	86.0	14.26	0.75	64.1	68.1	72.1	77.1	86.0	94.1	100.1	104.0	108.0
Black														
3-74 years	811	10,583	86.8	14.23	0.81	64.0	69.1	72.0	77.1	86.1	96.1	100.1	105.0	110.1
3-5 years	90	718	81.3	*13.63	*2.15	*	65.0	68.0	72.0	82.0	90.1	96.1	99.1	*
6-8 years	34	787	*82.5	*14.48	*3.50	*	*	66.1	70.1	80.1	92.1	97.0	*	*
9-11 years	53	767	83.7	*11.80	*2.12	*	70.1	73.1	78.1	82.0	90.1	97.1	99.1	*
12-14 years	55	851	87.7	*11.99	*2.64	*	73.1	76.0	78.1	85.1	97.1	100.0	103.0	*
15-17 years	65	867	86.0	*15.25	*1.99	*	65.0	71.0	77.0	87.0	96.1	102.1	103.1	*
18-24 years	89	1,533	90.0	*14.31	*1.84	*	72.1	74.1	79.1	89.1	100.0	104.1	107.0	*
25-34 years	110	1,546	89.5	16.75	1.72	63.0	68.0	70.1	79.0	90.0	98.1	107.1	109.1	116.0
35-44 years	60	1,112	89.3	*11.97	*1.98	*	75.0	78.1	81.0	89.0	98.0	98.1	107.1	*
45-54 years	51	1,044	85.1	*12.23	*1.50	*	66.1	72.1	77.1	88.0	91.1	94.1	97.1	*
55-64 years	98	801	83.8	*14.76	*1.82	*	65.1	70.0	74.0	84.0	91.0	99.0	105.1	*
65-74 years	106	555	85.5	15.23	2.69	62.0	65.1	69.1	76.0	85.0	96.0	99.1	103.1	113.0

¹Includes data for races not shown as separate categories.

Table 57. Serum zinc levels of females 3-74 years with mean, standard deviation, standard error of the mean, and selected percentiles, by race and age: United States, 1976-80

Race and age	Number of examined persons	Estimated population in thousands	Mean	Standard deviation	Standard error of the mean	Percentile								
						5th	10th	15th	25th	50th	75th	85th	90th	95th
All races ¹														
Serum zinc in micrograms per deciliter														
3-74 years	7,552	100,741	83.6	13.30	0.42	63.1	68.0	70.1	75.0	83.0	92.0	97.0	100.1	106.0
3-5 years	531	4,491	80.2	14.36	0.93	61.0	63.1	66.1	71.0	79.1	87.1	93.1	98.1	103.1
6-8 years	287	4,877	81.0	14.18	1.07	63.0	68.0	69.0	73.0	80.0	88.0	92.0	95.1	101.0
9-11 years	319	5,357	83.1	12.60	0.86	64.1	67.1	69.1	75.0	83.0	91.0	95.1	98.1	103.1
12-14 years	380	5,712	84.6	12.48	0.76	64.1	69.1	72.1	76.0	84.1	93.1	97.1	101.0	106.0
15-17 years	367	6,131	84.2	14.65	1.00	63.0	67.1	70.0	73.1	83.0	95.0	99.1	104.0	109.0
18-24 years	895	14,173	83.2	13.91	0.78	62.0	66.1	69.0	74.0	83.0	91.1	97.0	101.0	107.0
25-34 years	1,014	16,856	84.3	14.06	0.49	63.0	68.0	70.1	75.0	84.0	92.0	97.1	100.1	106.1
35-44 years	734	12,284	82.5	12.28	0.70	63.0	68.1	70.1	74.1	82.0	89.1	95.0	99.1	105.0
45-54 years	672	11,918	84.7	13.10	0.66	65.0	68.1	71.1	76.0	84.1	93.1	98.1	101.1	107.1
55-64 years	1,150	10,743	84.4	12.58	0.62	65.0	69.0	72.0	76.1	84.0	92.1	97.1	100.1	105.0
65-74 years	1,203	8,198	83.3	11.96	0.59	64.1	69.0	71.1	75.0	83.1	91.1	96.0	99.0	103.1
White														
3-74 years	6,497	86,352	83.9	13.24	0.42	64.1	68.1	70.1	75.0	83.1	92.1	97.1	100.1	106.1
3-5 years	437	3,666	80.1	13.50	0.97	61.0	64.0	66.1	71.0	79.1	87.1	93.1	98.1	103.1
6-8 years	230	4,014	81.4	14.59	1.15	64.1	68.0	69.1	73.0	80.0	88.1	92.1	95.1	101.0
9-11 years	266	4,482	83.5	12.56	0.85	65.1	68.0	70.1	75.0	83.1	91.0	95.1	98.1	103.1
12-14 years	307	4,746	84.8	12.39	0.77	65.1	70.0	73.0	76.0	84.1	94.0	97.1	101.0	107.0
15-17 years	303	5,147	85.1	14.91	1.17	63.1	67.1	70.0	74.0	84.1	95.1	100.0	105.0	109.1
18-24 years	760	11,919	83.8	14.06	0.82	63.0	67.0	69.1	74.1	83.1	92.1	97.1	101.1	107.1
25-34 years	880	14,494	84.7	13.96	0.48	64.0	68.1	71.1	75.1	84.1	92.1	98.0	101.0	107.0
35-44 years	639	10,584	82.6	12.08	0.66	64.1	68.1	71.0	74.1	82.0	89.1	95.1	99.1	105.1
45-54 years	580	10,369	84.6	12.91	0.73	65.0	68.1	71.1	75.1	84.1	94.0	98.0	100.1	107.0
55-64 years	1,026	9,601	84.8	12.40	0.62	65.1	69.1	72.1	77.0	84.1	93.1	98.0	101.0	105.1
65-74 years	1,069	7,329	83.3	12.08	0.59	64.1	69.0	71.1	75.0	83.0	91.1	96.1	99.0	103.1
Black														
3-74 years	916	12,107	81.6	13.71	0.94	61.0	66.0	68.1	73.0	81.1	89.1	95.0	98.0	103.1
3-5 years	84	703	82.3	*19.03	*2.22	*	63.0	67.0	70.1	79.1	89.1	97.1	100.1	*
6-8 years	50	729	78.5	*12.63	*2.23	*	63.0	66.1	71.0	78.0	83.1	89.0	95.0	*
9-11 years	49	811	80.9	*12.38	*2.00	*	*	67.0	72.1	81.0	89.1	94.1	*	*
12-14 years	67	846	83.5	*12.61	*1.78	*	66.1	68.1	76.0	84.1	92.1	98.1	100.1	*
15-17 years	57	871	80.4	*12.85	*2.05	*	64.0	67.1	73.1	79.1	89.1	94.1	95.1	*
18-24 years	113	1,873	79.2	*12.06	*1.38	59.0	63.0	68.0	72.1	78.0	89.1	91.1	95.0	101.1
25-34 years	111	1,953	81.5	*15.25	*2.27	61.0	63.1	66.1	72.1	81.0	89.1	95.1	97.0	102.0
35-44 years	83	1,415	81.4	*14.45	*3.34	*	64.0	69.1	73.0	81.1	89.0	94.0	99.1	*
45-54 years	79	1,215	85.4	*15.53	*1.99	*	69.1	70.1	76.0	82.1	90.1	102.1	107.0	*
55-64 years	107	959	82.0	*12.50	*0.95	64.1	68.1	69.1	74.0	81.1	89.1	94.0	95.1	103.0
65-74 years	116	733	84.4	10.61	1.07	67.0	69.0	72.1	78.1	84.1	91.1	95.0	97.0	100.1

¹Includes data for races not shown as separate categories.

Table 58. Serum copper levels of males 3-74 years with mean, standard deviation, standard error of the mean, and selected percentiles, by race and age: United States, 1976-80

Race and age	Number of examined persons	Estimated population in thousands	Mean	Standard deviation	Standard error of the mean	Percentile								
						5th	10th	15th	25th	50th	75th	85th	90th	95th
All races ¹														
Serum copper in micrograms per deciliter														
3-74 years	7,176	95,136	112.3	21.69	0.55	82.0	88.0	92.0	98.0	110.0	124.1	134.0	140.1	151.2
3-5 years	646	4,695	135.8	25.13	1.41	99.1	106.0	110.1	118.1	134.1	150.2	163.0	172.0	180.1
6-8 years	272	5,336	131.7	23.02	2.01	100.0	104.1	110.0	116.0	127.1	145.1	156.1	160.2	173.2
9-11 years	343	5,310	123.3	21.74	1.70	93.1	101.0	105.1	110.1	121.0	136.1	145.0	150.1	160.1
12-14 years . . .	390	5,920	108.3	19.38	1.17	80.1	84.0	89.0	95.0	108.0	121.0	129.1	134.1	140.1
15-17 years . . .	455	6,320	100.1	16.40	0.78	79.0	82.0	84.1	88.1	99.0	109.1	116.1	121.1	130.2
18-24 years . . .	823	13,275	103.9	18.85	0.68	77.1	83.0	86.1	92.1	102.1	113.0	121.0	125.1	135.0
25-34 years . . .	931	15,895	106.7	17.80	0.84	80.1	85.1	89.1	95.0	106.1	117.0	123.1	129.2	139.2
35-44 years . . .	651	11,367	109.7	17.77	0.78	82.1	89.0	93.0	98.0	108.1	121.0	128.2	132.2	141.1
45-54 years . . .	600	11,114	114.6	21.01	1.02	86.0	91.1	95.0	100.1	112.1	126.0	134.1	142.1	150.2
55-64 years . . .	1,046	9,607	117.8	21.03	0.87	88.0	93.1	98.1	104.1	116.0	129.2	139.0	143.1	154.2
65-74 years . . .	1,019	6,297	121.1	23.59	0.86	88.1	94.0	98.1	105.1	119.0	135.0	143.2	149.2	161.2
White														
3-74 years	6,212	81,889	111.0	20.72	0.48	82.0	87.1	91.1	97.1	109.1	123.0	132.0	138.1	148.0
3-5 years	533	3,789	134.4	24.11	1.16	99.0	105.1	110.0	118.0	133.1	147.2	160.2	167.2	178.1
6-8 years	232	4,357	129.3	21.98	2.01	98.1	103.1	108.1	115.0	125.1	141.2	153.2	158.1	170.1
9-11 years	282	4,411	121.7	21.20	1.82	93.1	99.1	104.1	109.1	120.0	135.2	143.1	148.2	155.2
12-14 years . . .	325	4,864	106.6	18.92	1.33	80.0	83.1	87.0	93.1	105.1	118.0	128.1	132.2	137.2
15-17 years . . .	380	5,269	98.9	15.96	0.79	79.0	82.0	84.0	88.1	97.1	109.0	114.0	120.0	128.2
18-24 years . . .	723	11,442	102.4	16.74	0.66	77.1	82.1	86.1	92.0	102.0	112.0	118.1	123.0	130.2
25-34 years . . .	794	13,864	105.5	17.29	0.87	79.1	85.0	89.0	94.1	105.0	115.1	122.1	127.1	135.2
35-44 years . . .	574	9,808	109.3	17.62	0.82	82.1	89.0	93.0	98.0	108.1	120.1	128.1	132.1	140.1
45-54 years . . .	540	9,865	112.9	19.09	0.94	86.0	91.0	94.1	100.0	111.1	124.0	132.1	137.1	147.2
55-64 years . . .	940	8,642	117.0	20.23	0.89	88.1	94.1	98.1	104.1	114.1	128.2	137.2	141.2	151.0
65-74 years . . .	889	5,576	119.6	22.83	0.92	88.0	93.1	98.0	105.0	118.0	133.1	141.0	148.0	158.2
Black														
3-74 years	795	10,583	125.2	25.59	1.92	88.1	95.1	100.0	108.0	123.0	140.1	150.2	159.2	174.0
3-5 years	88	718	144.8	*31.37	*5.56	*	106.1	110.1	122.0	142.2	169.1	182.2	191.2	*
6-8 years	33	787	*145.8	*26.15	*6.94	*	*	*	128.2	145.1	159.2	*	*	*
9-11 years	53	767	133.0	*24.05	*4.31	*	114.0	115.1	118.1	130.1	150.0	160.2	164.0	*
12-14 years . . .	52	851	118.5	*19.92	*2.51	*	93.1	97.0	107.0	116.1	132.1	136.1	145.2	*
15-17 years . . .	62	867	108.1	*17.24	*2.56	*	84.1	87.1	95.0	107.1	119.1	128.1	133.0	*
18-24 years . . .	85	1,533	117.0	*29.25	*3.69	*	87.1	91.1	99.1	111.1	129.0	146.0	156.1	*
25-34 years . . .	113	1,546	120.5	17.26	1.71	92.1	100.1	105.1	108.1	120.0	128.2	138.2	142.2	153.1
35-44 years . . .	59	1,112	116.2	*17.67	*1.91	*	97.1	98.1	102.0	113.0	129.1	139.0	143.0	*
45-54 years . . .	51	1,044	136.0	*26.58	*4.12	*	109.1	111.0	121.1	129.2	152.2	160.1	173.0	*
55-64 years . . .	94	801	133.4	*22.86	*1.95	*	102.1	112.1	118.0	134.0	147.0	153.1	161.2	*
65-74 years . . .	105	555	136.4	26.06	2.35	98.1	100.1	112.0	117.1	133.2	149.1	165.2	173.0	180.1

¹Includes data for races not shown as separate categories.

Table 59. Serum copper levels of females 3-74 years with mean, standard deviation, standard error of the mean, and selected percentiles, by race and age: United States, 1976-80

Race and age	Number of examined persons	Estimated population in thousands	Mean	Standard deviation	Standard error of the mean	Percentile								
						5th	10th	15th	25th	50th	75th	85th	90th	95th
All races ¹														
Serum copper in micrograms per deciliter														
3-74 years	7,473	100,741	133.6	37.80	0.67	90.0	96.1	101.1	109.1	126.0	147.1	165.1	183.1	216.1
3-5 years	532	4,491	137.6	26.60	1.99	102.0	108.0	113.1	121.0	134.2	150.2	163.1	170.1	184.1
6-8 years	288	4,877	129.0	20.94	1.33	103.0	108.0	111.0	116.0	125.1	139.1	147.1	154.1	168.2
9-11 years	325	5,357	119.4	19.63	1.36	90.1	95.1	99.1	107.0	118.1	129.2	138.1	145.0	156.2
12-14 years	372	5,712	110.6	21.63	1.35	83.1	88.1	91.0	96.1	109.1	119.1	129.0	134.2	149.1
15-17 years	359	6,131	116.8	33.25	1.82	84.0	88.0	91.1	97.0	109.0	126.1	140.0	153.1	184.0
18-24 years	863	14,173	141.6	51.79	2.18	84.0	91.1	96.1	103.1	125.0	177.1	208.1	221.2	242.1
25-34 years	997	16,856	140.2	48.73	1.94	88.1	95.0	100.0	108.0	124.1	160.0	195.2	219.0	249.0
35-44 years	730	12,284	132.6	34.10	1.19	94.0	101.1	104.1	111.0	125.0	145.2	162.2	172.2	206.2
45-54 years	665	11,918	138.1	30.89	1.10	98.0	106.0	110.0	116.1	134.1	154.1	167.1	177.2	196.1
55-64 years	1,142	10,743	136.9	28.19	1.15	101.0	108.0	111.1	119.1	133.0	150.0	161.0	170.0	193.0
65-74 years	1,200	8,198	133.1	24.44	0.96	100.0	107.1	111.1	118.0	131.0	145.1	155.1	162.0	173.0
White														
3-74 years	6,434	86,352	132.5	37.20	0.75	90.0	96.1	101.1	109.0	124.1	145.1	163.1	181.1	214.2
3-5 years	441	3,666	136.6	26.95	2.22	100.1	107.1	112.1	120.0	133.2	150.0	161.2	170.0	183.1
6-8 years	232	4,014	127.4	19.84	1.39	102.1	107.1	110.1	114.1	125.0	136.2	144.1	148.2	164.1
9-11 years	270	4,482	118.6	18.75	1.53	91.0	95.1	99.1	106.0	118.0	128.2	134.2	142.1	153.2
12-14 years	302	4,746	108.7	19.39	1.38	83.0	88.0	90.1	96.0	108.1	118.1	126.1	131.1	147.0
15-17 years	299	5,147	114.4	30.71	2.10	84.0	89.0	91.1	96.1	107.1	123.1	134.2	144.1	165.2
18-24 years	730	11,919	140.0	50.69	2.44	85.1	91.1	96.0	102.1	123.1	173.0	203.1	218.2	240.0
25-34 years	866	14,494	139.1	48.54	2.03	88.1	94.1	99.1	107.0	123.1	158.1	194.2	217.2	248.1
35-44 years	636	10,584	130.8	33.98	1.40	93.0	101.0	103.1	110.0	123.1	141.2	161.1	171.2	207.1
45-54 years	574	10,369	136.9	30.57	1.19	97.1	104.1	109.1	116.0	132.2	152.1	163.2	174.2	191.2
55-64 years	1,019	9,601	136.4	28.21	1.25	101.1	108.0	111.1	119.0	132.1	148.1	159.2	169.2	193.1
65-74 years	1,065	7,329	132.8	23.62	0.87	100.1	108.0	112.0	118.0	130.2	145.0	154.0	160.0	171.2
Black														
3-74 years	898	12,107	145.8	41.23	1.48	96.0	105.0	110.1	119.1	136.2	164.1	183.0	204.1	235.0
3-5 years	81	703	142.7	*24.94	*4.66	*	112.1	115.0	122.1	141.1	157.2	167.0	178.2	*
6-8 years	49	729	139.2	*24.72	*3.68	*	*	117.0	122.1	134.2	154.1	168.1	*	*
9-11 years	51	811	125.6	*23.25	*3.76	*	95.1	107.1	110.1	126.1	142.0	146.2	150.2	*
12-14 years	64	846	123.7	*30.08	*4.27	*	90.1	94.0	108.1	120.0	131.2	141.0	153.1	*
15-17 years	54	871	134.3	*43.66	*6.20	*	90.1	99.0	108.0	126.0	148.0	177.0	188.1	*
18-24 years	109	1,873	160.0	*55.56	*5.73	96.1	102.0	109.0	114.1	144.1	208.0	219.2	241.2	254.2
25-34 years	107	1,953	154.9	*51.73	*5.82	99.0	104.0	110.0	122.0	137.1	185.1	223.0	234.1	275.1
35-44 years	82	1,415	148.4	*32.49	*4.10	*	116.1	120.0	128.1	141.1	164.0	180.0	185.1	*
45-54 years	78	1,215	153.6	*30.85	*3.49	*	114.0	119.1	131.1	150.0	177.1	182.2	185.2	*
55-64 years	106	959	141.6	*28.52	*2.36	89.1	106.1	117.1	125.0	140.1	157.0	163.2	176.1	199.0
65-74 years	117	733	139.5	31.50	4.22	100.0	100.1	109.1	120.0	136.0	157.2	166.0	176.0	185.2

¹Includes data for races not shown as separate categories.

Table 60. Serum vitamin C levels of males 3-74 years with mean, standard deviation, standard error of the mean, and selected percentiles, by race and age: United States, 1976-80

Race and age	Number of examined persons	Estimated population in thousands	Mean	Standard deviation	Standard error of the mean	Percentile								
						5th	10th	15th	25th	50th	75th	85th	90th	95th
All races ¹						Serum vitamin C in milligrams per deciliter								
3-74 years	7,707	95,136	1.0	0.64	0.02	0.3	0.3	0.4	0.6	1.0	1.4	1.5	1.7	1.9
3-5 years	673	4,695	1.6	1.10	0.07	0.7	0.9	1.1	1.3	1.6	1.8	2.0	2.2	2.4
6-8 years	270	5,336	1.5	0.77	0.06	0.6	0.9	1.1	1.2	1.4	1.7	2.0	2.1	2.3
9-11 years	309	5,310	1.4	0.83	0.04	0.6	0.8	0.9	1.1	1.4	1.6	1.8	1.9	2.1
12-14 years	449	5,920	1.2	0.47	0.04	0.4	0.6	0.7	0.9	1.2	1.5	1.7	1.8	2.0
15-17 years	491	6,320	1.1	0.89	0.05	0.4	0.4	0.5	0.7	1.1	1.4	1.5	1.6	1.8
18-24 years	905	13,275	1.0	0.56	0.03	0.3	0.4	0.5	0.6	1.0	1.3	1.4	1.6	1.7
25-34 years	992	15,895	0.9	0.46	0.02	0.2	0.3	0.4	0.5	0.9	1.2	1.4	1.5	1.7
35-44 years	701	11,367	0.9	0.48	0.02	0.2	0.3	0.3	0.5	0.9	1.2	1.4	1.5	1.6
45-54 years	643	11,114	0.9	0.56	0.03	0.2	0.3	0.3	0.5	0.9	1.3	1.4	1.6	2.0
55-64 years	1,160	9,607	0.9	0.62	0.02	0.2	0.3	0.3	0.5	0.9	1.3	1.4	1.5	1.7
65-74 years	1,114	6,297	1.0	0.57	0.02	0.2	0.3	0.4	0.6	1.1	1.4	1.5	1.7	1.9
White														
3-74 years	6,644	81,889	1.0	0.63	0.02	0.3	0.3	0.4	0.6	1.0	1.4	1.5	1.7	1.9
3-5 years	551	3,789	1.7	1.18	0.08	0.8	1.0	1.1	1.3	1.6	1.8	2.0	2.2	2.4
6-8 years	235	4,357	1.5	0.48	0.04	0.6	0.9	1.1	1.2	1.4	1.7	2.0	2.1	2.2
9-11 years	256	4,411	1.5	0.86	0.04	0.6	0.8	0.9	1.1	1.4	1.7	1.8	1.9	2.1
12-14 years	372	4,864	1.2	0.48	0.04	0.4	0.6	0.7	0.9	1.3	1.5	1.7	1.8	2.0
15-17 years	408	5,269	1.1	0.95	0.06	0.4	0.4	0.5	0.7	1.1	1.4	1.5	1.6	1.8
18-24 years	781	11,442	1.0	0.58	0.03	0.3	0.4	0.5	0.6	1.0	1.3	1.5	1.6	1.7
25-34 years	841	13,864	0.9	0.47	0.02	0.3	0.3	0.4	0.5	0.9	1.2	1.4	1.5	1.7
35-44 years	621	9,808	0.9	0.48	0.02	0.2	0.3	0.4	0.5	0.9	1.2	1.4	1.5	1.7
45-54 years	577	9,865	0.9	0.57	0.03	0.2	0.3	0.3	0.5	0.9	1.3	1.4	1.6	2.0
55-64 years	1,027	8,642	0.9	0.49	0.02	0.2	0.3	0.4	0.5	1.0	1.3	1.4	1.5	1.7
65-74 years	975	5,576	1.1	0.57	0.02	0.2	0.3	0.4	0.7	1.1	1.4	1.5	1.7	1.9
Black														
3-74 years	876	10,583	0.9	0.62	0.03	0.2	0.3	0.4	0.5	0.9	1.2	1.4	1.5	1.7
3-5 years	96	718	1.5	*0.54	*0.08	*	0.8	0.9	1.1	1.4	1.8	1.9	2.1	*
6-8 years	25	787	*1.4	*0.55	*0.12	*	*	*	1.1	1.1	1.8	*	*	*
9-11 years	44	767	*1.3	*0.41	*0.08	*	*	0.8	1.0	1.3	1.6	1.7	*	*
12-14 years	63	851	1.1	*0.41	*0.05	*	0.5	0.6	0.9	1.0	1.4	1.5	1.6	*
15-17 years	70	867	0.9	*0.43	*0.05	*	0.4	0.4	0.5	0.9	1.2	1.4	1.4	*
18-24 years	104	1,533	0.9	*0.44	*0.05	0.3	0.3	0.4	0.5	0.9	1.2	1.4	1.5	1.7
25-34 years	125	1,546	0.8	0.41	0.06	0.2	0.3	0.4	0.4	0.8	1.1	1.2	1.4	1.5
35-44 years	60	1,112	0.7	*0.39	*0.07	*	0.2	0.3	0.4	0.6	0.9	1.1	1.3	*
45-54 years	55	1,044	0.8	*0.43	*0.04	*	0.3	0.3	0.4	0.8	1.1	1.3	1.3	*
55-64 years	121	801	0.7	*1.41	*0.13	0.2	0.2	0.3	0.3	0.5	0.8	1.1	1.1	1.4
65-74 years	113	555	0.7	0.44	0.06	0.2	0.2	0.2	0.3	0.6	1.0	1.2	1.3	1.6

¹Includes data for races not shown as separate categories.

Table 61. Serum vitamin C levels of females 3-74 years with mean, standard deviation, standard error of the mean, and selected percentiles, by race and age: United States, 1978-80

Race and age	Number of examined persons	Estimated population in thousands	Mean	Standard deviation	Standard error of the mean	Percentile								
						5th	10th	15th	25th	50th	75th	85th	90th	95th
Serum vitamin C in milligrams per deciliter														
All races ¹														
3-74 years....	8,089	100,741	1.2	0.55	0.02	0.3	0.4	0.5	0.8	1.2	1.5	1.7	1.8	2.0
3-5 years.....	554	4,491	1.5	0.51	0.03	0.7	0.9	1.0	1.2	1.5	1.8	2.0	2.1	2.4
6-8 years.....	264	4,877	1.4	0.46	0.04	0.6	0.9	1.0	1.2	1.5	1.7	1.9	2.0	2.2
9-11 years....	312	5,357	1.4	0.47	0.04	0.6	0.7	0.9	1.1	1.4	1.7	1.8	1.8	2.1
12-14 years...	422	5,712	1.2	0.47	0.03	0.4	0.6	0.7	0.9	1.3	1.5	1.7	1.8	1.9
15-17 years...	414	6,131	1.1	0.58	0.04	0.3	0.4	0.5	0.7	1.1	1.4	1.6	1.8	1.9
18-24 years...	996	14,173	1.1	0.52	0.02	0.3	0.4	0.5	0.7	1.1	1.4	1.6	1.8	1.9
25-34 years...	1,091	16,856	1.1	0.53	0.03	0.3	0.4	0.5	0.7	1.1	1.4	1.6	1.7	1.9
35-44 years...	794	12,284	1.0	0.49	0.02	0.3	0.3	0.4	0.6	1.1	1.4	1.5	1.6	1.8
45-54 years...	714	11,918	1.1	0.49	0.02	0.3	0.4	0.5	0.7	1.2	1.4	1.6	1.7	1.8
55-64 years...	1,224	10,743	1.2	0.56	0.03	0.3	0.4	0.6	0.9	1.3	1.6	1.7	1.9	2.0
65-74 years...	1,304	8,198	1.3	0.74	0.03	0.4	0.5	0.6	0.9	1.3	1.6	1.7	1.9	2.1
White														
3-74 years....	6,921	86,352	1.2	0.56	0.02	0.3	0.4	0.6	0.8	1.2	1.5	1.7	1.8	2.0
3-5 years.....	452	3,666	1.6	0.50	0.03	0.8	1.0	1.0	1.2	1.6	1.8	2.0	2.1	2.4
6-8 years.....	212	4,014	1.5	0.46	0.04	0.6	0.9	1.0	1.2	1.5	1.8	1.9	2.0	2.2
9-11 years....	254	4,482	1.4	0.47	0.04	0.6	0.8	0.9	1.1	1.4	1.7	1.8	1.9	2.1
12-14 years...	344	4,746	1.3	0.48	0.03	0.4	0.6	0.7	0.9	1.3	1.6	1.7	1.8	2.0
15-17 years...	342	5,147	1.1	0.60	0.04	0.3	0.4	0.5	0.7	1.2	1.5	1.7	1.8	1.9
18-24 years...	836	11,919	1.1	0.53	0.03	0.3	0.4	0.5	0.7	1.2	1.5	1.7	1.8	2.0
25-34 years...	938	14,494	1.1	0.54	0.03	0.3	0.4	0.5	0.7	1.1	1.4	1.6	1.7	2.0
35-44 years...	686	10,584	1.0	0.49	0.02	0.3	0.4	0.4	0.6	1.1	1.4	1.5	1.6	1.8
45-54 years...	611	10,369	1.1	0.50	0.03	0.3	0.4	0.5	0.7	1.2	1.5	1.6	1.7	1.8
55-64 years...	1,086	9,601	1.3	0.55	0.03	0.3	0.5	0.6	1.0	1.3	1.6	1.7	1.9	2.0
65-74 years...	1,160	7,329	1.3	0.76	0.03	0.4	0.5	0.7	1.0	1.3	1.6	1.7	1.9	2.1
Black														
3-74 years....	1,019	12,107	1.0	0.46	0.03	0.3	0.4	0.5	0.6	1.0	1.3	1.5	1.6	1.8
3-5 years.....	87	703	1.4	*0.47	*0.06	*	0.7	0.8	1.1	1.4	1.7	1.8	1.8	*
6-8 years.....	48	729	1.3	*0.44	*0.06	*	*	0.9	1.1	1.2	1.5	1.7	*	*
9-11 years....	53	811	1.2	*0.43	*0.06	*	0.6	0.7	0.9	1.2	1.5	1.6	1.7	*
12-14 years...	72	846	1.1	*0.38	*0.06	*	0.5	0.6	0.8	1.1	1.4	1.5	1.6	*
15-17 years...	65	871	1.0	*0.43	*0.06	*	0.4	0.6	0.7	0.9	1.3	1.4	1.5	*
18-24 years...	134	1,873	1.0	*0.46	*0.05	0.3	0.4	0.5	0.6	1.0	1.2	1.4	1.6	1.8
25-34 years...	129	1,953	0.9	*0.46	*0.07	0.3	0.4	0.4	0.6	1.0	1.3	1.5	1.5	1.8
35-44 years...	96	1,415	0.8	*0.40	*0.04	*	0.3	0.3	0.5	0.8	1.1	1.2	1.3	*
45-54 years...	88	1,215	1.0	*0.47	*0.06	*	0.4	0.5	0.7	1.0	1.3	1.5	1.7	*
55-64 years...	120	959	0.8	*0.40	*0.04	0.2	0.3	0.4	0.5	0.8	1.1	1.3	1.3	1.5
65-74 years...	127	733	1.0	0.50	0.06	0.4	0.4	0.5	0.6	1.0	1.4	1.5	1.6	1.7

¹Includes data for races not shown as separate categories.

Table 62. Serum albumin levels of males 3-74 years with mean, standard deviation, standard error of the mean, and selected percentiles, by race and age: United States, 1976-80

Race and age	Number of examined persons	Estimated population in thousands	Mean	Standard deviation	Standard error of the mean	Percentile								
						5th	10th	15th	25th	50th	75th	85th	90th	95th
All races ¹						Serum albumin in grams per deciliter								
3-74 years....	7,558	95,136	4.8	0.32	0.01	4.3	4.4	4.5	4.6	4.8	5.0	5.1	5.2	5.3
3-5 years.....	584	4,695	4.7	0.31	0.02	4.2	4.4	4.4	4.5	4.7	4.9	4.9	5.0	5.1
6-8 years.....	216	5,336	4.8	0.26	0.03	4.4	4.4	4.5	4.6	4.8	5.0	5.0	5.1	5.2
9-11 years....	258	5,310	4.8	0.24	0.02	4.4	4.5	4.5	4.6	4.8	5.0	5.0	5.1	5.2
12-14 years...	454	5,920	4.8	0.27	0.02	4.4	4.5	4.6	4.7	4.8	5.0	5.1	5.2	5.3
15-17 years...	497	6,320	5.0	0.28	0.02	4.5	4.6	4.7	4.8	5.0	5.2	5.3	5.3	5.4
18-24 years...	908	13,275	5.0	0.30	0.01	4.5	4.7	4.7	4.8	5.0	5.2	5.3	5.4	5.5
25-34 years...	1,011	15,895	4.9	0.27	0.01	4.5	4.6	4.7	4.8	4.9	5.1	5.2	5.3	5.4
35-44 years...	707	11,367	4.8	0.30	0.01	4.3	4.4	4.5	4.6	4.8	5.0	5.1	5.2	5.3
45-54 years...	653	11,114	4.7	0.30	0.02	4.2	4.4	4.4	4.5	4.7	4.9	5.0	5.1	5.2
55-64 years...	1,150	9,607	4.6	0.30	0.02	4.2	4.3	4.3	4.5	4.6	4.8	4.9	5.0	5.1
65-74 years...	1,120	6,297	4.5	0.29	0.02	4.1	4.2	4.3	4.4	4.6	4.7	4.8	4.9	5.0
White														
3-74 years....	6,488	81,889	4.8	0.32	0.01	4.3	4.4	4.5	4.6	4.8	5.0	5.1	5.2	5.3
3-5 years.....	471	3,789	4.7	0.32	0.02	4.3	4.4	4.4	4.5	4.7	4.9	4.9	5.0	5.1
6-8 years.....	189	4,357	4.8	0.26	0.03	4.4	4.4	4.4	4.6	4.8	5.0	5.0	5.1	5.1
9-11 years....	215	4,411	4.8	0.24	0.02	4.4	4.5	4.6	4.7	4.9	5.0	5.0	5.1	5.2
12-14 years...	374	4,864	4.9	0.26	0.02	4.5	4.6	4.6	4.7	4.9	5.0	5.1	5.2	5.3
15-17 years...	410	5,269	5.0	0.27	0.01	4.6	4.6	4.7	4.8	5.0	5.2	5.3	5.4	5.4
18-24 years...	777	11,442	5.0	0.28	0.02	4.6	4.7	4.8	4.9	5.0	5.2	5.3	5.4	5.5
25-34 years...	852	13,864	4.9	0.26	0.01	4.5	4.6	4.7	4.8	5.0	5.1	5.2	5.3	5.4
35-44 years...	622	9,808	4.8	0.29	0.01	4.3	4.5	4.5	4.6	4.8	5.0	5.1	5.2	5.3
45-54 years...	584	9,865	4.7	0.29	0.02	4.2	4.4	4.4	4.5	4.7	4.9	5.0	5.1	5.2
55-64 years...	1,018	8,642	4.6	0.30	0.02	4.2	4.3	4.4	4.5	4.7	4.8	4.9	5.0	5.1
65-74 years...	976	5,576	4.5	0.29	0.02	4.1	4.2	4.3	4.4	4.6	4.7	4.8	4.9	5.0
Black														
3-74 years....	891	10,583	4.7	0.33	0.02	4.2	4.3	4.4	4.5	4.7	4.9	5.0	5.1	5.2
3-5 years.....	91	718	4.6	*0.27	*0.04	*	4.3	4.3	4.4	4.6	4.7	4.9	4.9	*
6-8 years.....	21	787	*4.8	*0.27	*0.10	*	*	*	4.6	4.8	5.0	*	*	*
9-11 years....	34	767	*4.7	*0.24	*0.05	*	*	*	4.6	4.8	4.9	*	*	*
12-14 years...	66	851	4.7	*0.28	*0.05	*	4.4	4.4	4.5	4.7	4.9	4.9	5.0	*
15-17 years...	74	867	4.8	*0.28	*0.06	*	4.4	4.4	4.6	4.8	4.9	5.1	5.1	*
18-24 years...	111	1,533	4.9	*0.34	*0.03	4.3	4.5	4.5	4.7	4.8	5.1	5.2	5.3	5.4
25-34 years...	132	1,546	4.7	0.28	0.02	4.3	4.4	4.4	4.6	4.8	4.9	5.0	5.1	5.2
35-44 years...	65	1,112	4.7	*0.38	*0.05	*	4.4	4.4	4.5	4.7	5.0	5.2	5.3	*
45-54 years...	58	1,044	4.6	*0.33	*0.04	*	4.2	4.4	4.5	4.7	4.8	4.8	4.9	*
55-64 years...	121	801	4.5	*0.33	*0.03	4.1	4.1	4.2	4.4	4.6	4.7	4.8	4.8	5.1
65-74 years...	118	555	4.5	0.33	0.03	3.9	4.1	4.2	4.3	4.5	4.7	4.8	4.9	5.0

¹ Includes data for races not shown as separate categories.

Table 63. Serum albumin levels of females 3-74 years with mean, standard deviation, standard error of the mean, and selected percentiles, by race and age: United States, 1976-80

Race and age	Number of examined persons	Estimated population in thousands	Mean	Standard deviation	Standard error of the mean	Percentile								
						5th	10th	15th	25th	50th	75th	85th	90th	95th
All races ¹														
Serum albumin in grams per deciliter														
3-74 years....	7,899	100,741	4.7	0.32	0.01	4.1	4.3	4.3	4.5	4.7	4.9	5.0	5.0	5.2
3-5 years.....	449	4,491	4.7	0.27	0.02	4.2	4.3	4.4	4.5	4.7	4.9	4.9	5.0	5.1
6-8 years.....	211	4,877	4.8	0.29	0.03	4.3	4.4	4.5	4.6	4.8	4.9	5.0	5.1	5.2
9-11 years....	231	5,357	4.8	0.31	0.03	4.2	4.4	4.5	4.6	4.8	4.9	5.0	5.1	5.2
12-14 years...	432	5,712	4.8	0.30	0.01	4.3	4.4	4.5	4.6	4.8	5.0	5.1	5.1	5.2
15-17 years...	412	6,131	4.8	0.32	0.20	4.3	4.4	4.5	4.6	4.8	5.0	5.1	5.2	5.3
18-24 years...	995	14,173	4.7	0.36	0.20	4.1	4.2	4.3	4.5	4.7	4.9	5.0	5.1	5.2
25-34 years...	1,102	16,856	4.7	0.33	0.10	4.1	4.2	4.3	4.5	4.7	4.9	5.0	5.0	5.2
35-44 years...	789	12,284	4.6	0.30	0.10	4.1	4.2	4.3	4.4	4.6	4.8	4.9	5.0	5.1
45-54 years...	723	11,918	4.6	0.29	0.02	4.2	4.3	4.3	4.4	4.6	4.8	4.9	5.0	5.1
55-64 years...	1,235	10,743	4.6	0.28	0.01	4.1	4.2	4.3	4.4	4.6	4.8	4.9	4.9	5.0
65-74 years...	1,310	8,198	4.5	0.29	0.02	4.0	4.2	4.2	4.3	4.5	4.7	4.8	4.9	5.0
White														
3-74 years....	6,713	86,352	4.7	0.32	0.01	4.1	4.3	4.3	4.5	4.7	4.9	5.0	5.1	5.2
3-5 years.....	362	3,686	4.7	0.27	0.02	4.2	4.3	4.4	4.5	4.7	4.9	4.9	5.0	5.1
6-8 years.....	170	4,014	4.8	0.29	0.04	4.4	4.5	4.5	4.6	4.8	5.0	5.1	5.1	5.2
9-11 years....	188	4,482	4.8	0.32	0.03	4.2	4.4	4.5	4.6	4.8	5.0	5.1	5.2	5.3
12-14 years...	344	4,746	4.8	0.28	0.02	4.3	4.5	4.6	4.6	4.8	5.0	5.1	5.2	5.3
15-17 years...	338	5,147	4.8	0.30	0.02	4.4	4.5	4.6	4.7	4.9	5.0	5.1	5.2	5.3
18-24 years...	831	11,919	4.7	0.36	0.02	4.1	4.3	4.3	4.5	4.7	4.9	5.1	5.1	5.3
25-34 years...	937	14,494	4.7	0.33	0.02	4.1	4.2	4.3	4.5	4.7	4.9	5.0	5.1	5.2
35-44 years...	683	10,584	4.6	0.30	0.01	4.1	4.3	4.3	4.5	4.7	4.8	4.9	5.0	5.1
45-54 years...	614	10,389	4.6	0.29	0.02	4.2	4.3	4.3	4.4	4.6	4.8	4.9	5.0	5.1
55-64 years...	1,089	9,601	4.6	0.27	0.01	4.2	4.2	4.3	4.4	4.6	4.8	4.9	4.9	5.0
65-74 years...	1,157	7,329	4.5	0.29	0.02	4.0	4.2	4.2	4.3	4.5	4.7	4.8	4.9	5.0
Black														
3-74 years....	1,034	12,107	4.5	0.32	0.02	4.0	4.1	4.2	4.3	4.5	4.7	4.9	5.0	5.1
3-5 years.....	74	703	4.7	*0.26	*0.04	*	4.3	4.4	4.5	4.6	4.8	4.9	5.0	*
6-8 years.....	36	729	*4.6	*0.22	*0.06	*	*	4.4	4.4	4.6	4.7	4.8	*	*
9-11 years....	38	811	*4.7	*0.29	*0.05	*	*	4.4	4.5	4.6	4.9	5.0	*	*
12-14 years...	82	848	4.6	*0.32	*0.05	*	4.3	4.3	4.4	4.6	4.8	4.9	5.0	*
15-17 years...	68	871	4.6	*0.35	*0.06	*	4.2	4.3	4.3	4.5	4.8	5.0	5.1	*
18-24 years...	138	1,873	4.5	*0.37	*0.05	3.8	4.0	4.1	4.3	4.5	4.7	4.9	4.9	5.0
25-34 years...	140	1,953	4.5	*0.32	*0.02	4.1	4.1	4.2	4.3	4.6	4.7	4.8	4.9	5.1
35-44 years...	101	1,415	4.5	*0.30	*0.03	4.0	4.1	4.2	4.3	4.4	4.7	4.8	4.9	5.0
45-54 years...	94	1,215	4.5	*0.29	*0.04	*	4.2	4.3	4.4	4.5	4.7	4.8	4.9	*
55-64 years...	128	959	4.6	*0.36	*0.05	4.0	4.1	4.2	4.3	4.5	4.8	4.9	5.0	5.3
65-74 years...	135	733	4.5	0.27	0.03	4.1	4.1	4.2	4.3	4.5	4.7	4.7	4.8	4.9

¹Includes data for races not shown as separate categories.

Table 64. Serum zinc levels of persons 3-74 years with age-adjusted mean and standard error of the age-adjusted mean, by poverty status, sex, race, and age: United States, 1978-80

Sex, race, and age	Poverty status								
	Poverty				Nonpoverty				
	Number of examined persons	Estimated population in thousands ¹	Age-adjusted mean	Standard error of the age-adjusted mean	Number of examined persons	Estimated population in thousands ¹	Age-adjusted mean	Standard error of the age-adjusted mean	
MALE		Serum zinc in micrograms per deciliter				Serum zinc in micrograms per deciliter			
All races²									
3-74 years.....	978	10,875	85.5	0.90	5,985	80,651	89.8	0.52	
3-17 years.....	407	4,529	82.5	0.97	1,660	22,101	85.2	0.66	
18-44 years.....	275	4,163	88.2	1.26	2,063	35,058	93.1	0.60	
45-64 years.....	153	1,424	83.0	1.81	1,430	18,180	89.4	0.69	
65-74 years.....	143	759	82.0	1.51	832	5,312	86.1	0.77	
White									
3-74 years.....	680	7,347	86.1	1.02	5,359	71,712	90.1	0.49	
3-17 years.....	262	2,741	82.3	1.11	1,459	19,167	85.3	0.63	
18-44 years.....	200	2,976	88.8	1.43	1,840	31,188	93.5	0.62	
45-64 years.....	116	1,080	84.1	1.92	1,309	16,524	89.8	0.66	
65-74 years.....	102	551	83.3	1.43	751	4,853	86.0	0.68	
Black									
3-74 years.....	264	3,043	84.2	1.11	500	6,931	88.1	0.78	
3-17 years.....	128	1,583	83.9	1.86	155	2,272	86.1	1.32	
18-44 years.....	62	940	87.2	*1.86	180	2,987	90.6	1.03	
45-64 years.....	36	341	*79.0	*2.18	102	1,325	86.7	*1.40	
65-74 years.....	38	179	*80.0	*2.14	63	347	88.6	*3.42	
FEMALE									
All races²									
3-74 years.....	1,314	15,251	83.7	0.50	5,950	81,732	83.7	0.41	
3-17 years.....	422	5,098	82.4	0.98	1,397	20,504	83.4	0.54	
18-44 years.....	442	6,612	83.6	0.84	2,127	35,364	83.4	0.54	
45-64 years.....	239	2,296	85.2	0.91	1,503	19,357	84.7	0.52	
65-74 years.....	211	1,245	84.3	0.99	923	6,507	83.3	0.65	
White									
3-74 years.....	904	10,309	84.4	0.49	5,370	73,098	83.9	0.41	
3-17 years.....	249	3,071	83.2	1.36	1,245	18,262	83.5	0.58	
18-44 years.....	317	4,641	84.4	0.81	1,901	31,244	83.7	0.54	
45-64 years.....	170	1,607	86.0	0.99	1,378	17,624	84.7	0.54	
65-74 years.....	168	990	84.3	1.06	846	5,987	83.2	0.68	
Black									
3-74 years.....	388	4,604	81.7	1.17	472	6,880	82.1	1.02	
3-17 years.....	165	1,888	81.4	1.38	127	1,856	81.8	1.26	
18-44 years.....	119	1,846	81.3	*1.78	178	3,252	80.7	1.40	
45-64 years.....	64	640	83.6	*1.96	104	1,332	85.4	*1.87	
65-74 years.....	40	230	*85.8	*1.56	83	440	84.9	*0.82	

¹ Does not include sample weights for unknown poverty index.

² Includes data for races not shown as separate categories.

Table 65. Serum copper levels of persons 3-74 years with age-adjusted mean and standard error of the age-adjusted mean, by poverty status, sex, race, and age: United States, 1976-80

Sex, race, and age	Poverty status								
	Poverty				Nonpoverty				
	Number of examined persons	Estimated population in thousands ¹	Age-adjusted mean	Standard error of the age-adjusted mean	Number of examined persons	Estimated population in thousands ¹	Age-adjusted mean	Standard error of the age-adjusted mean	
MALE		Serum copper in micrograms per deciliter				Serum copper in micrograms per deciliter			
All races²									
3-74 years.....	980	10,875	117.0	0.97	5,962	80,651	111.8	0.50	
3-17 years.....	397	4,529	120.8	1.38	1,643	22,101	115.9	0.74	
18-44 years.....	289	4,163	110.5	1.29	2,059	35,058	106.4	0.55	
45-64 years.....	152	1,424	125.5	1.92	1,422	18,180	115.2	0.80	
65-74 years.....	142	759	128.8	1.97	838	5,312	120.1	0.78	
White									
3-74 years.....	674	7,347	114.0	1.08	5,342	71,712	110.7	0.45	
3-17 years.....	259	2,741	117.6	1.46	1,444	19,167	114.7	0.78	
18-44 years.....	199	2,976	108.6	1.27	1,836	31,168	105.5	0.57	
45-64 years.....	115	1,080	121.5	2.37	1,304	16,524	114.2	0.73	
65-74 years.....	101	551	124.6	2.53	758	4,853	119.0	0.86	
Black									
3-74 years.....	254	3,043	126.8	2.75	496	6,931	124.9	2.01	
3-17 years.....	121	1,583	126.4	2.64	153	2,272	126.0	2.58	
18-44 years.....	59	940	120.4	*4.32	182	2,987	117.9	2.30	
45-64 years.....	36	341	*139.6	*3.21	99	1,325	133.4	*3.61	
65-74 years.....	38	179	*137.6	*3.02	62	347	136.6	*3.10	
FEMALE									
All races²									
3-74 years.....	1,282	15,251	137.7	1.14	5,903	81,732	132.7	0.72	
3-17 years.....	410	5,098	125.4	1.42	1,401	20,504	119.4	0.91	
18-44 years.....	426	6,612	142.7	2.31	2,092	35,364	137.5	1.38	
45-64 years.....	234	2,296	142.5	2.62	1,493	19,357	136.8	0.87	
65-74 years.....	212	1,245	134.1	2.03	917	6,507	133.1	1.00	
White									
3-74 years.....	888	10,309	133.4	1.18	5,323	73,098	132.2	0.80	
3-17 years.....	248	3,071	121.4	1.37	1,247	18,262	118.5	1.05	
18-44 years.....	306	4,641	137.3	2.79	1,867	31,244	136.7	1.49	
45-64 years.....	167	1,607	138.0	3.00	1,368	17,624	136.3	0.90	
65-74 years.....	167	990	133.3	2.31	841	5,967	133.0	0.84	
Black									
3-74 years.....	373	4,604	149.4	2.29	470	6,880	144.1	1.53	
3-17 years.....	155	1,888	133.1	2.43	129	1,856	129.8	4.64	
18-44 years.....	114	1,846	158.4	*5.53	175	3,252	153.1	3.28	
45-64 years.....	62	640	156.9	*4.65	104	1,332	146.4	*2.92	
65-74 years.....	42	230	*142.4	*3.15	62	440	138.0	*6.74	

¹Does not include sample weights for unknown poverty index.

²Includes data for races not shown as separate categories.

Table 66. Serum vitamin C levels of persons 3–74 years with age-adjusted mean and standard error of the age-adjusted mean, by poverty status, sex, race, and age: United States, 1976–80

Sex, race, and age	Poverty status								
	Poverty				Nonpoverty				
	Number of examined persons	Estimated population in thousands ¹	Age-adjusted mean	Standard error of the age-adjusted mean	Number of examined persons	Estimated population in thousands ¹	Age-adjusted mean	Standard error of the age-adjusted mean	
MALE		Serum vitamin C in milligrams per deciliter				Serum vitamin C in milligrams per deciliter			
All races²									
3–74 years.....	1,041	10,875	0.9	0.04	6,386	80,651	1.0	0.02	
3–17 years.....	423	4,529	1.3	0.09	1,700	22,101	1.3	0.03	
18–44 years.....	302	4,163	0.8	0.04	2,210	35,058	0.9	0.02	
45–64 years.....	162	1,424	0.7	0.08	1,556	18,180	0.9	0.02	
65–74 years.....	154	759	0.8	0.06	920	5,312	1.1	0.02	
White									
3–74 years.....	713	7,347	0.9	0.05	5,718	71,712	1.0	0.02	
3–17 years.....	266	2,741	1.3	0.14	1,504	19,167	1.3	0.03	
18–44 years.....	219	2,976	0.8	0.04	1,963	31,168	1.0	0.02	
45–64 years.....	118	1,080	0.6	0.04	1,417	16,524	1.0	0.03	
65–74 years.....	110	551	0.8	0.08	834	4,853	1.1	0.02	
Black									
3–74 years.....	289	3,043	0.9	0.06	535	6,931	0.9	0.03	
3–17 years.....	137	1,583	1.1	0.07	148	2,272	1.2	0.04	
18–44 years.....	69	940	0.7	*0.05	201	2,987	0.8	0.05	
45–64 years.....	43	341	*1.0	*0.42	118	1,325	0.7	*0.04	
65–74 years.....	40	179	*0.6	*0.07	68	347	0.7	*0.07	
FEMALE									
All races²									
3–74 years.....	1,414	15,251	1.0	0.02	6,363	81,732	1.2	0.02	
3–17 years.....	439	5,098	1.2	0.03	1,459	20,504	1.3	0.02	
18–44 years.....	493	6,612	0.9	0.04	2,303	35,364	1.1	0.02	
45–64 years.....	251	2,296	0.9	0.04	1,601	19,357	1.2	0.02	
65–74 years.....	231	1,245	1.1	0.05	1,000	6,507	1.3	0.03	
White									
3–74 years.....	957	10,309	1.0	0.03	5,719	73,098	1.2	0.02	
3–17 years.....	259	3,071	1.2	0.04	1,295	18,262	1.3	0.02	
18–44 years.....	338	4,641	0.9	0.04	2,052	31,244	1.1	0.02	
45–64 years.....	178	1,607	1.0	0.04	1,455	17,624	1.2	0.02	
65–74 years.....	182	990	1.1	0.05	917	5,967	1.3	0.03	
Black									
3–74 years.....	431	4,604	0.9	0.02	532	6,880	1.0	0.03	
3–17 years.....	170	1,888	1.1	0.04	138	1,856	1.2	0.05	
18–44 years.....	147	1,846	0.8	*0.04	202	3,252	1.0	0.05	
45–64 years.....	68	640	0.7	*0.04	122	1,332	1.0	*0.05	
65–74 years.....	46	230	0.8	*0.07	70	440	1.1	*0.04	

¹Does not include sample weights for unknown poverty index.

²Includes data for races not shown as separate categories.

Table 67. Serum albumin levels of persons 3–74 years with age-adjusted mean and standard error of the age-adjusted mean, by poverty status, sex, race, and age: United States, 1976–80

Sex, race, and age	Poverty status								
	Poverty				Nonpoverty				
	Number of examined persons	Estimated population in thousands ¹	Age-adjusted mean	Standard error of the age-adjusted mean	Number of examined persons	Estimated population in thousands ¹	Age-adjusted mean	Standard error of the age-adjusted mean	
			Serum albumin in grams per deciliter						
MALE									
All races ²									
3–74 years.....	1,030	10,875	4.8	0.02	6,254	80,651	4.8	0.01	
3–17 years.....	393	4,529	4.8	0.02	1,552	22,101	4.8	0.01	
18–44 years.....	313	4,163	4.9	0.02	2,226	35,058	4.9	0.01	
45–64 years.....	167	1,424	4.6	0.04	1,552	18,180	4.7	0.01	
65–74 years.....	157	759	4.5	0.03	924	5,312	4.5	0.02	
White									
3–74 years.....	705	7,347	4.8	0.02	5,577	71,712	4.8	0.01	
3–17 years.....	247	2,741	4.8	0.02	1,363	19,167	4.8	0.01	
18–44 years.....	223	2,976	4.9	0.02	1,968	31,168	4.9	0.01	
45–64 years.....	124	1,080	4.6	0.04	1,411	16,524	4.7	0.01	
65–74 years.....	111	551	4.5	0.04	835	4,853	4.5	0.02	
Black									
3–74 years.....	290	3,043	4.8	0.02	546	6,931	4.7	0.02	
3–17 years.....	130	1,583	4.7	0.04	143	2,272	4.7	0.02	
18–44 years.....	75	940	4.8	*0.03	212	2,987	4.8	0.03	
45–64 years.....	43	341	*4.5	*0.06	120	1,325	4.6	*0.03	
65–74 years.....	42	179	*4.5	*0.04	71	347	4.5	*0.04	
FEMALE									
All races ²									
3–74 years.....	1,392	15,251	4.6	0.02	6,199	81,732	4.6	0.01	
3–17 years.....	398	5,098	4.7	0.02	1,277	20,504	4.8	0.01	
18–44 years.....	496	6,612	4.6	0.02	2,318	35,364	4.6	0.01	
45–64 years.....	258	2,296	4.6	0.02	1,609	19,357	4.6	0.01	
65–74 years.....	240	1,245	4.5	0.02	995	6,507	4.5	0.02	
White									
3–74 years.....	923	10,309	4.7	0.02	5,550	73,098	4.7	0.01	
3–17 years.....	227	3,071	4.8	0.03	1,130	18,262	4.8	0.01	
18–44 years.....	333	4,641	4.7	0.03	2,052	31,244	4.7	0.01	
45–64 years.....	179	1,607	4.6	0.03	1,456	17,624	4.6	0.01	
65–74 years.....	184	990	4.5	0.03	912	5,967	4.5	0.02	
Black									
3–74 years.....	444	4,604	4.5	0.03	533	6,880	4.6	0.02	
3–17 years.....	163	1,888	4.6	0.04	121	1,856	4.6	0.04	
18–44 years.....	155	1,846	4.5	*0.03	213	3,252	4.5	0.02	
45–64 years.....	74	640	4.6	*0.05	129	1,332	4.6	*0.03	
65–74 years.....	52	230	4.4	*0.03	70	440	4.5	*0.02	

¹ Does not include sample weights for unknown poverty index.

² Includes data for races not shown as separate categories.

Table 68. Cumulative percent distribution of serum zinc of males 3-74 years, by age, race, and level of serum zinc: United States, 1976-80

Race and serum zinc in micrograms per deciliter	Age								
	3-74 years			3-5 years			6-11 years		
	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent
All races²									
Total.....	7,218	78,265	100.0	650	2,507	100.0	614	7,262	100.0
Less than 50...	6	36	0.0	1	6	0.2	1	7	0.1
50-59.....	66	562	0.8	13	57	2.5	12	103	1.5
60-69.....	649	5,933	8.3	117	442	20.1	83	1,009	15.4
70-79.....	1,464	14,389	26.7	213	792	51.7	164	1,832	40.6
80-89.....	1,993	21,030	53.6	183	701	79.7	188	2,201	70.9
90-99.....	1,583	18,250	76.9	81	301	91.7	100	1,296	88.8
100-109.....	913	11,045	91.0	32	168	98.4	44	510	95.8
110-119.....	363	4,628	96.9	6	24	99.4	16	220	98.9
120-129.....	111	1,478	98.8	3	10	99.8	4	50	99.6
130-139.....	37	538	99.5	-	-	99.8	-	-	99.6
140-149.....	17	174	99.7	1	6	100.0	1	21	99.8
150 or more...	16	203	100.0	-	-	100.0	1	11	100.0
White									
Total.....	6,234	67,991	100.0	535	2,074	100.0	512	6,060	100.0
Less than 50...	5	30	0.0	-	-	-	1	7	0.1
50-59.....	56	501	0.8	11	47	2.3	12	103	1.8
60-69.....	532	4,732	7.7	100	372	20.2	68	834	15.6
70-79.....	1,236	12,193	25.7	179	664	52.2	133	1,508	40.5
80-89.....	1,734	18,349	52.7	149	575	79.9	161	1,862	71.2
90-99.....	1,366	15,756	75.8	62	237	91.4	83	1,052	88.5
100-109.....	818	10,034	90.6	25	142	98.2	38	456	96.1
110-119.....	326	4,211	96.8	5	22	99.2	11	162	98.7
120-129.....	97	1,336	98.8	3	10	99.7	3	44	99.5
130-139.....	33	484	99.5	-	-	99.7	-	-	99.5
140-149.....	16	169	99.7	1	6	100.0	1	21	99.8
150 or more...	15	195	100.0	-	-	100.0	1	11	100.0
Black									
Total.....	811	8,040	100.0	90	319	100.0	87	1,030	100.0
Less than 50...	1	6	0.1	1	6	1.7	-	-	-
50-59.....	6	31	0.5	1	3	2.7	-	-	-
60-69.....	91	798	10.4	13	53	19.3	12	134	13.0
70-79.....	187	1,725	31.8	26	87	46.4	27	297	41.9
80-89.....	216	2,124	58.3	25	88	74.0	23	279	69.0
90-99.....	185	2,060	83.9	17	56	91.6	15	227	91.1
100-109.....	83	880	94.8	6	24	99.2	5	47	95.6
110-119.....	27	277	98.3	1	3	100.0	4	39	99.4
120-129.....	9	72	99.2	-	-	100.0	1	6	100.0
130-139.....	4	54	99.8	-	-	100.0	-	-	100.0
140-149.....	1	5	99.9	-	-	100.0	-	-	100.0
150 or more...	1	8	100.0	-	-	100.0	-	-	100.0

See footnotes at end of table.

Table 68. Cumulative percent distribution of serum zinc of males 3-74 years, by age, race, and level of serum zinc: United States, 1978-80—Con.

Race and serum zinc in micrograms per deciliter	Age								
	12-14 years			15-17 years			18-24 years		
	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent
All races²									
Total.....	406	4,793	100.0	482	5,473	100.0	827	11,198	100.0
Less than 50...	-	-	-	-	-	-	-	-	-
50-59.....	3	47	1.0	6	60	1.1	1	24	0.2
60-69.....	42	465	10.7	35	422	8.8	42	505	4.7
70-79.....	96	1,113	33.9	110	1,278	32.2	119	1,537	18.4
80-89.....	115	1,398	63.1	116	1,346	56.8	202	2,752	43.0
90-99.....	92	1,103	86.1	91	1,088	76.6	191	2,657	66.8
100-109.....	45	520	96.9	63	773	90.8	143	1,888	83.6
110-119.....	8	81	98.6	30	337	96.9	76	1,063	93.1
120-129.....	2	18	99.0	5	96	98.7	32	472	97.3
130-139.....	3	48	100.0	2	31	99.2	14	214	99.2
140-149.....	-	-	100.0	2	18	99.6	4	40	99.6
150 or more...	-	-	100.0	2	23	100.0	3	47	100.0
White									
Total.....	338	3,985	100.0	384	4,568	100.0	721	9,761	100.0
Less than 50...	-	-	-	-	-	-	-	-	-
50-59.....	3	47	1.2	4	42	0.9	1	24	0.2
60-69.....	35	374	10.6	27	317	7.9	34	409	4.4
70-79.....	80	935	34.0	91	1,060	31.1	98	1,287	17.6
80-89.....	97	1,195	64.0	98	1,137	55.9	180	2,416	42.4
90-99.....	74	868	85.8	74	885	75.3	168	2,351	66.5
100-109.....	37	427	96.5	51	648	89.5	122	1,623	83.1
110-119.....	8	81	98.6	29	328	96.7	67	930	92.6
120-129.....	1	10	98.8	5	96	98.8	31	448	97.2
130-139.....	3	48	100.0	1	15	99.1	13	186	99.1
140-149.....	-	-	100.0	2	18	99.5	4	40	99.5
150 or more...	-	-	100.0	2	23	100.0	3	47	100.0
Black									
Total.....	55	615	100.0	65	747	100.0	89	1,173	100.0
Less than 50...	-	-	-	-	-	-	-	-	-
50-59.....	-	-	-	2	18	2.4	-	-	-
60-69.....	3	26	4.2	5	81	13.2	7	74	6.3
70-79.....	13	139	26.8	15	191	38.8	20	239	26.7
80-89.....	17	177	55.6	16	166	60.9	19	282	50.7
90-99.....	14	178	84.5	14	148	80.7	20	274	74.1
100-109.....	7	87	98.7	11	119	96.7	18	221	92.9
110-119.....	-	-	98.7	1	9	97.9	4	56	97.6
120-129.....	1	8	100.0	-	-	97.9	-	-	97.6
130-139.....	-	-	100.0	1	16	100.0	1	28	100.0
140-149.....	-	-	100.0	-	-	100.0	-	-	100.0
150 or more...	-	-	100.0	-	-	100.0	-	-	100.0

See footnotes at end of table.

Table 68. Cumulative percent distribution of serum zinc of males 3-74 years, by age, race, and level of serum zinc: United States, 1976-80—Con.

Race and serum zinc in micrograms per deciliter	Age								
	25-44 years			45-64 years			65-74 years		
	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent
All races²									
Total	1,589	23,805	100.0	1,656	17,911	100.0	1,014	5,319	100.0
Less than 50 . . .	1	9	0.0	-	-	-	3	14	0.3
50-59	7	110	0.5	12	92	0.5	12	70	1.6
60-69	90	1,309	6.0	129	1,212	7.3	111	568	12.3
70-79	241	3,598	21.1	318	3,213	25.2	203	1,026	31.5
80-89	393	5,733	45.2	486	5,267	54.6	310	1,631	62.2
90-99	413	6,166	71.1	389	4,447	79.5	226	1,192	84.6
100-109	264	4,248	88.9	209	2,331	92.5	113	606	96.0
110-119	116	1,683	96.0	87	1,069	98.4	24	150	98.8
120-129	42	624	98.6	13	161	99.3	10	47	99.7
130-139	13	214	99.5	4	23	99.5	1	9	99.9
140-149	4	39	99.7	5	50	99.7	-	-	99.9
150 or more . . .	5	71	100.0	4	45	100.0	1	6	100.0
White									
Total	1,375	20,769	100.0	1,486	16,085	100.0	883	4,689	100.0
Less than 50 . . .	1	9	0.0	-	-	-	3	14	0.3
50-59	7	110	0.6	9	75	0.5	9	53	1.4
60-69	71	1,020	5.5	104	918	6.2	93	488	11.8
70-79	205	3,063	20.2	277	2,799	23.6	173	877	30.5
80-89	330	4,871	43.7	442	4,808	53.5	277	1,486	62.2
90-99	356	5,334	69.4	354	3,993	78.3	195	1,035	84.3
100-109	246	3,982	88.5	194	2,199	92.0	105	559	96.2
110-119	102	1,522	95.9	83	1,028	98.4	21	139	99.2
120-129	37	547	98.5	12	158	99.3	5	23	99.7
130-139	13	214	99.5	2	12	99.4	1	9	99.9
140-149	3	34	99.7	5	50	99.7	-	-	99.9
150 or more . . .	4	62	100.0	4	45	100.0	1	6	100.0
Black									
Total	170	2,197	100.0	149	1,488	100.0	106	470	100.0
Less than 50 . . .	-	-	-	-	-	-	-	-	-
50-59	-	-	-	2	7	0.5	1	4	0.8
60-69	15	187	8.5	19	173	12.1	17	70	15.7
70-79	24	331	23.5	37	332	34.4	25	110	39.1
80-89	50	614	51.5	42	427	63.1	24	92	58.5
90-99	49	668	81.9	30	380	88.6	26	128	85.7
100-109	16	226	92.2	13	117	96.5	7	40	94.2
110-119	11	121	97.7	4	42	99.3	2	7	95.7
120-129	3	37	99.4	-	-	99.3	4	20	100.0
130-139	-	-	99.4	2	11	100.0	-	-	100.0
140-149	1	5	99.6	-	-	100.0	-	-	100.0
150 or more . . .	1	8	100.0	-	-	100.0	-	-	100.0

¹ Does not include sample weights for missing values.

² Includes data for races not shown as separate categories.

Table 69. Cumulative percent distribution of serum zinc of females 3-74 years, by age, race, and level of serum zinc: United States, 1976-80

Race and serum zinc in micrograms per deciliter	Age								
	3-74 years			3-5 years			6-11 years		
	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent
All races²									
Total.....	7,552	82,777	100.0	531	2,091	100.0	606	7,346	100.0
Less than 50 ...	11	162	0.2	1	3	0.2	-	-	-
50-59.....	112	1,302	1.8	13	49	2.5	9	99	1.3
60-69.....	926	10,014	13.9	109	405	21.9	89	1,119	16.6
70-79.....	1,972	20,958	39.2	163	608	51.0	174	2,039	44.3
80-89.....	2,323	25,622	70.1	136	595	79.4	192	2,295	75.6
90-99.....	1,421	15,966	89.4	60	252	91.5	101	1,306	93.4
100-109.....	572	6,220	96.9	36	126	97.5	27	314	97.6
110-119.....	155	1,825	99.1	10	38	99.3	8	89	98.9
120-129.....	32	401	99.6	-	-	99.3	2	20	99.1
130-139.....	10	106	99.8	-	-	99.3	-	-	99.1
140-149.....	7	77	99.9	2	11	99.9	2	36	99.6
150 or more ...	11	124	100.0	1	2	100.0	2	27	100.0
White									
Total.....	6,497	71,865	100.0	437	1,753	100.0	496	6,165	100.0
Less than 50 ...	10	153	0.2	1	3	0.2	-	-	-
50-59.....	82	940	1.5	11	39	2.4	5	63	1.0
60-69.....	771	8,442	13.3	88	339	21.7	67	897	15.6
70-79.....	1,677	17,918	38.2	132	503	50.4	141	1,702	43.2
80-89.....	2,006	22,359	69.3	113	508	79.4	161	1,918	74.3
90-99.....	1,258	14,274	89.2	52	216	91.8	88	1,168	93.2
100-109.....	508	5,493	96.8	32	111	98.1	23	278	97.7
110-119.....	134	1,664	99.1	6	22	99.4	6	62	98.8
120-129.....	28	365	99.6	-	-	99.4	1	14	99.0
130-139.....	9	92	99.8	-	-	99.4	-	-	99.0
140-149.....	6	73	99.9	2	11	100.0	2	36	99.6
150 or more ...	8	91	100.0	-	-	100.0	2	27	100.0
Black									
Total.....	916	9,002	100.0	84	288	100.0	99	1,045	100.0
Less than 50 ...	1	8	0.1	-	-	-	-	-	-
50-59.....	25	292	3.3	1	3	1.0	4	36	3.5
60-69.....	133	1,276	17.5	20	60	21.9	20	194	22.1
70-79.....	250	2,473	45.0	26	82	50.6	32	324	53.2
80-89.....	279	2,711	75.1	20	73	76.0	26	305	82.4
90-99.....	147	1,447	91.2	8	36	88.5	11	122	94.0
100-109.....	52	552	97.3	4	14	93.5	3	29	96.8
110-119.....	20	157	99.1	4	16	99.2	2	27	99.4
120-129.....	4	35	99.4	-	-	99.2	1	6	100.0
130-139.....	1	14	99.6	-	-	99.2	-	-	100.0
140-149.....	1	4	99.6	-	-	99.2	-	-	100.0
150 or more ...	3	32	100.0	1	2	100.0	-	-	100.0

See footnotes at end of table.

Table 69. Cumulative percent distribution of serum zinc of females 3-74 years, by age, race, and level of serum zinc: United States, 1976-80—Con.

Race and serum zinc in micrograms per deciliter	Age								
	12-14 years			15-17 years			18-24 years		
	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent
All races²									
Total.....	380	4,347	100.0	367	5,042	100.0	895	11,973	100.0
Less than 50 ...	-	-	-	1	8	0.2	5	79	0.7
50-59	3	24	0.5	5	52	1.2	20	279	3.0
60-69	41	466	11.3	51	693	14.9	120	1,637	16.7
70-79	98	1,098	36.5	93	1,372	42.2	205	2,707	39.3
80-89	110	1,244	65.1	93	1,232	66.6	276	3,632	69.6
90-99	86	1,035	88.9	66	949	85.4	164	2,265	88.5
100-109	31	349	97.0	43	549	96.3	74	973	96.6
110-119	9	106	99.4	12	150	99.3	21	297	99.1
120-129	1	12	99.7	1	11	99.5	5	59	99.6
130-139	1	14	100.0	1	13	99.8	4	34	99.9
140-149	-	-	100.0	-	-	99.8	-	-	99.9
150 or more ...	-	-	100.0	1	12	100.0	1	11	100.0
White									
Total.....	307	3,627	100.0	303	4,229	100.0	760	10,231	100.0
Less than 50 ...	-	-	-	-	-	-	5	79	0.8
50-59	1	7	0.2	3	34	0.8	12	185	2.6
60-69	30	350	9.9	43	577	14.5	102	1,396	16.2
70-79	85	960	36.3	73	1,055	39.4	158	2,097	36.7
80-89	89	1,040	65.0	75	1,057	64.4	248	3,279	68.8
90-99	69	880	89.3	58	831	84.1	142	1,958	87.9
100-109	23	264	96.5	37	497	95.8	63	845	96.2
110-119	8	100	99.3	11	141	99.2	20	289	99.0
120-129	1	12	99.6	1	11	99.4	5	59	99.6
130-139	1	14	100.0	1	13	99.7	4	34	99.9
140-149	-	-	100.0	-	-	99.7	-	-	99.9
150 or more ...	-	-	100.0	1	12	100.0	1	11	100.0
Black									
Total.....	67	617	100.0	57	699	100.0	113	1,418	100.0
Less than 50 ...	-	-	-	1	8	1.2	-	-	-
50-59	2	16	2.6	2	18	3.7	7	84	5.9
60-69	10	88	16.8	7	100	18.0	14	168	17.7
70-79	12	118	35.9	16	235	51.6	42	552	56.7
80-89	21	204	68.9	17	167	75.5	22	263	75.2
90-99	14	120	88.4	8	118	92.4	20	270	94.2
100-109	7	65	98.9	5	45	98.7	7	73	99.4
110-119	1	7	100.0	1	9	100.0	1	9	100.0
120-129	-	-	100.0	-	-	100.0	-	-	100.0
130-139	-	-	100.0	-	-	100.0	-	-	100.0
140-149	-	-	100.0	-	-	100.0	-	-	100.0
150 or more ...	-	-	100.0	-	-	100.0	-	-	100.0

See footnotes at end of table.

Table 69. Cumulative percent distribution of serum zinc of females 3-74 years, by age, race, and level of serum zinc:
United States, 1976-80—Con.

Race and serum zinc in micrograms per deciliter	Age								
	25-44 years			45-64 years			65-74 years		
	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent
All races²									
Total.....	1,748	25,219	100.0	1,822	19,770	100.0	1,203	6,990	100.0
Less than 50...	2	35	0.1	2	36	0.2	-	-	-
50-59.....	28	427	1.8	20	290	1.6	14	82	1.2
60-69.....	208	2,994	13.7	179	1,965	11.6	129	735	11.7
70-79.....	436	6,278	38.6	459	4,932	36.5	344	1,925	39.2
80-89.....	568	8,238	71.3	569	6,150	67.6	379	2,237	71.2
90-99.....	320	4,574	89.4	389	4,180	88.8	235	1,405	91.3
100-109.....	131	1,837	96.7	151	1,608	96.9	79	464	97.9
110-119.....	37	575	99.0	39	447	99.2	19	122	99.7
120-129.....	11	162	99.6	9	119	99.8	3	17	99.9
130-139.....	2	25	99.7	1	16	99.9	1	4	100.0
140-149.....	1	17	99.8	2	12	99.9	-	-	100.0
150 or more...	4	56	100.0	2	16	100.0	-	-	100.0
White									
Total.....	1,519	21,933	100.0	1,606	17,631	100.0	1,069	6,296	100.0
Less than 50...	2	35	0.2	2	36	0.2	-	-	-
50-59.....	23	327	1.7	14	207	1.4	13	78	1.2
60-69.....	173	2,486	13.0	155	1,738	11.2	113	659	11.7
70-79.....	380	5,485	38.0	400	4,370	36.0	308	1,745	39.4
80-89.....	492	7,158	70.6	496	5,393	66.6	332	2,005	71.3
90-99.....	281	4,037	89.0	359	3,944	89.0	209	1,240	91.0
100-109.....	120	1,653	96.6	137	1,412	97.0	73	433	97.8
110-119.....	34	543	99.0	32	393	99.2	17	115	99.7
120-129.....	9	142	99.7	8	110	99.8	3	17	99.9
130-139.....	1	12	99.7	1	16	99.9	1	4	100.0
140-149.....	1	17	99.8	1	8	100.0	-	-	100.0
150 or more...	3	38	100.0	1	3	100.0	-	-	100.0
Black									
Total.....	194	2,686	100.0	186	1,685	100.0	116	564	100.0
Less than 50...	-	-	-	-	-	-	-	-	-
50-59.....	5	101	3.7	3	30	1.8	1	4	0.7
60-69.....	29	417	19.3	20	194	13.3	13	55	10.5
70-79.....	47	637	43.0	49	419	38.2	26	105	29.2
80-89.....	64	880	75.7	66	616	74.7	43	204	65.4
90-99.....	33	416	91.2	27	200	86.6	26	165	94.7
100-109.....	9	153	96.9	12	151	95.5	5	22	98.6
110-119.....	3	32	98.1	6	50	98.5	2	8	100.0
120-129.....	2	20	98.8	1	9	99.0	-	-	100.0
130-139.....	1	14	99.3	-	-	99.0	-	-	100.0
140-149.....	-	-	99.3	1	4	99.3	-	-	100.0
150 or more...	1	17	100.0	1	13	100.0	-	-	100.0

¹ Does not include sample weights for missing values.

² Includes data for races not shown as separate categories.

Table 70. Cumulative percent distribution of serum copper of males 3-74 years, by age, race, and level of serum copper:
United States, 1976-80

Race and serum copper in micrograms per deciliter	Age								
	3-74 years			3-5 years			6-11 years		
	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent
All races²									
Total.....	7,176	77,921	100.0	646	2,491	100.0	615	7,264	100.0
Less than 50...	6	79	0.1	-	-	-	1	14	0.2
50-59.....	10	129	0.3	-	-	-	-	-	0.2
60-69.....	37	473	0.9	-	-	-	1	23	0.5
70-79.....	162	2,130	3.6	4	14	0.6	5	52	1.2
80-89.....	554	6,813	12.4	6	18	1.3	5	42	1.8
90-99.....	1,050	12,582	28.5	29	98	5.2	32	406	7.4
100-124.....	3,198	36,300	75.1	188	752	35.4	260	3,130	50.5
125-149.....	1,621	15,108	94.5	255	963	74.1	215	2,468	84.5
150-174.....	416	3,415	98.9	121	448	92.1	77	900	96.9
175-199.....	95	733	99.8	36	168	98.8	16	173	99.2
200-224.....	21	123	100.0	6	24	99.8	3	55	100.0
225-249.....	5	32	100.0	1	5	100.0	-	-	100.0
250 or more...	1	5	100.0	-	-	100.0	-	-	100.0
White									
Total.....	6,212	67,856	100.0	533	2,068	100.0	514	6,074	100.0
Less than 50...	6	79	0.1	-	-	-	1	14	0.2
50-59.....	10	129	0.3	-	-	-	-	-	0.2
60-69.....	36	463	1.0	-	-	-	1	23	0.6
70-79.....	142	1,835	3.7	3	13	0.6	3	32	1.2
80-89.....	497	6,123	12.7	5	15	1.3	4	32	1.7
90-99.....	960	11,547	29.7	24	84	5.4	31	400	8.3
100-124.....	2,850	32,371	77.4	159	639	36.3	226	2,771	53.9
125-149.....	1,327	12,310	95.6	217	826	76.2	179	2,036	87.4
150-174.....	304	2,498	99.3	94	363	93.8	54	610	97.4
175-199.....	62	412	99.9	27	107	99.0	13	138	99.7
200-224.....	13	65	100.0	3	16	99.7	2	17	100.0
225-249.....	4	18	100.0	1	5	100.0	-	-	100.0
250 or more...	1	5	100.0	-	-	100.0	-	-	100.0
Black									
Total.....	795	7,913	100.0	88	309	100.0	86	1,019	100.0
Less than 50...	-	-	-	-	-	-	-	-	-
50-59.....	-	-	-	-	-	-	-	-	-
60-69.....	1	10	0.1	-	-	-	-	-	-
70-79.....	8	107	1.5	1	2	0.5	2	20	2.0
80-89.....	34	291	5.1	1	3	1.6	1	10	3.0
90-99.....	71	735	14.4	5	14	6.1	1	6	3.6
100-124.....	283	3,075	53.3	21	74	30.0	26	277	30.8
125-149.....	255	2,451	84.3	26	88	58.5	31	355	65.6
150-174.....	102	860	95.1	23	66	80.0	21	277	92.8
175-199.....	32	314	99.1	8	54	97.5	3	35	96.3
200-224.....	8	58	99.8	3	8	100.0	1	38	100.0
225-249.....	1	14	100.0	-	-	100.0	-	-	100.0
250 or more...	-	-	100.0	-	-	100.0	-	-	100.0

See footnotes at end of table.

Table 70. Cumulative percent distribution of serum copper of males 3-74 years, by age, race, and level of serum copper.
United States, 1976-80—Con.

Race and serum copper in micrograms per deciliter	Age								
	12-14 years			15-17 years			18-24 years		
	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent
All races²									
Total.....	390	4,618	100.0	455	5,391	100.0	823	11,218	100.0
Less than 50...	-	-	-	1	24	0.4	-	-	-
50-59.....	1	18	0.4	1	11	0.6	3	47	0.4
60-69.....	1	11	0.6	4	48	1.5	10	138	1.7
70-79.....	15	179	4.5	21	258	6.3	39	553	6.6
80-89.....	45	526	15.9	97	1,136	27.4	117	1,466	19.7
90-99.....	80	880	35.0	122	1,386	53.1	188	2,483	41.8
100-124.....	172	2,011	78.5	174	2,066	91.4	381	5,338	89.4
125-149.....	64	866	97.3	32	439	99.5	65	890	97.3
150-174.....	11	118	99.8	3	25	100.0	16	218	99.3
175-199.....	1	8	100.0	-	-	100.0	4	83	100.0
200-224.....	-	-	100.0	-	-	100.0	-	-	100.0
225-249.....	-	-	100.0	-	-	100.0	-	-	100.0
250 or more...	-	-	100.0	-	-	100.0	-	-	100.0
White									
Total.....	325	3,838	100.0	380	4,513	100.0	723	9,847	100.0
Less than 50...	-	-	-	1	24	0.5	-	-	-
50-59.....	1	18	0.5	1	11	0.8	3	47	0.5
60-69.....	1	11	0.8	3	38	1.6	10	138	1.9
70-79.....	13	157	4.9	19	231	6.7	34	470	6.7
80-89.....	40	485	17.5	85	1,009	29.1	109	1,382	20.7
90-99.....	71	784	37.9	106	1,194	55.5	170	2,253	43.6
100-124.....	145	1,689	81.9	142	1,711	93.4	339	4,755	91.9
125-149.....	46	608	97.8	20	271	99.5	47	648	98.4
150-174.....	8	84	100.0	3	25	100.0	10	145	99.9
175-199.....	-	-	100.0	-	-	100.0	1	8	100.0
200-224.....	-	-	100.0	-	-	100.0	-	-	100.0
225-249.....	-	-	100.0	-	-	100.0	-	-	100.0
250 or more...	-	-	100.0	-	-	100.0	-	-	100.0
Black									
Total.....	52	588	100.0	62	720	100.0	85	1,138	100.0
Less than 50...	-	-	-	-	-	-	-	-	-
50-59.....	-	-	-	-	-	-	-	-	-
60-69.....	-	-	-	1	10	1.3	-	-	-
70-79.....	-	-	-	-	-	1.3	4	74	6.5
80-89.....	4	31	5.2	11	109	16.5	6	53	11.2
90-99.....	9	96	21.5	11	121	33.3	14	182	25.4
100-124.....	22	236	61.6	28	329	79.0	38	504	89.7
125-149.....	13	184	92.9	11	151	100.0	18	197	87.0
150-174.....	3	33	98.6	-	-	100.0	6	73	93.4
175-199.....	1	8	100.0	-	-	100.0	3	75	100.0
200-224.....	-	-	100.0	-	-	100.0	-	-	100.0
225-249.....	-	-	100.0	-	-	100.0	-	-	100.0
250 or more...	-	-	100.0	-	-	100.0	-	-	100.0

See footnotes at end of table.

Table 70. Cumulative percent distribution of serum copper of males 3-74 years, by age, race, and level of serum copper: United States, 1976-80—Con.

Race and serum copper in micrograms per deciliter	Age								
	25-44 years			45-64 years			65-74 years		
	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent
All races²									
Total	1,582	23,702	100.0	1,646	17,876	100.0	1,019	5,360	100.0
Less than 50 . . .	1	12	0.0	1	21	0.1	2	8	0.1
50-59	2	23	0.1	3	30	0.3	-	-	0.1
60-69	11	146	0.8	7	94	0.8	3	13	0.4
70-79	48	795	4.1	18	213	2.0	12	65	1.6
80-89	153	2,342	14.0	82	1,036	7.8	49	247	6.2
90-99	297	4,475	32.9	198	2,280	20.6	104	574	16.9
100-124	797	11,973	83.4	799	8,757	69.5	427	2,272	59.3
125-149	241	3,437	97.9	430	4,377	94.0	319	1,667	90.4
150-174	30	473	99.9	84	837	98.7	74	395	97.8
175-199	2	25	100.0	20	205	99.9	16	71	99.1
200-224	-	-	100.0	2	7	99.9	10	37	99.8
225-249	-	-	100.0	1	14	100.0	3	12	100.0
250 or more . . .	-	-	100.0	1	5	100.0	-	-	100.0
White									
Total	1,368	20,708	100.0	1,480	16,073	100.0	889	4,735	100.0
Less than 50 . . .	1	12	0.1	1	21	0.1	2	8	0.2
50-59	2	23	0.2	3	30	0.3	-	-	0.2
60-69	11	146	0.9	7	94	0.9	3	13	0.4
70-79	44	721	4.4	14	146	1.8	12	65	1.8
80-89	134	2,050	14.3	75	928	7.6	45	224	6.5
90-99	278	4,195	34.5	186	2,112	20.7	94	524	17.6
100-124	691	10,419	84.8	753	8,276	72.2	395	2,111	62.2
125-149	184	2,743	98.1	369	3,766	95.6	265	1,412	92.0
150-174	22	385	99.9	59	584	99.3	54	302	98.4
175-199	1	16	100.0	11	108	99.9	9	36	99.1
200-224	-	-	100.0	1	3	100.0	7	29	99.7
225-249	-	-	100.0	-	-	100.0	3	12	100.0
250 or more . . .	-	-	100.0	1	5	100.0	-	-	100.0
Black									
Total	172	2,207	100.0	145	1,466	100.0	105	465	100.0
Less than 50 . . .	-	-	-	-	-	-	-	-	-
50-59	-	-	-	-	-	-	-	-	-
60-69	-	-	-	-	-	-	-	-	-
70-79	-	-	-	1	12	0.8	-	-	-
80-89	7	62	2.8	3	18	2.0	1	4	0.8
90-99	16	224	12.9	7	80	7.5	8	31	7.5
100-124	86	1,156	65.3	38	380	33.4	26	119	33.1
125-149	54	667	95.6	60	608	74.9	44	201	76.2
150-174	8	89	99.6	25	254	92.2	16	68	90.7
175-199	1	9	100.0	9	97	98.8	7	35	98.3
200-224	-	-	100.0	1	4	99.1	3	8	100.0
225-249	-	-	100.0	1	14	100.0	-	-	100.0
250 or more . . .	-	-	100.0	-	-	100.0	-	-	100.0

¹ Does not include sample weights for missing values.
² Includes data for races not shown as separate categories.

Table 71. Cumulative percent distribution of serum copper of females 3-74 years, by age, race, and level of serum copper: United States, 1976-80

Race and serum copper in micrograms per deciliter	Age								
	3-74 years			3-5 years			6-11 years		
	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent
All races²									
Total.....	7,473	81,982	100.0	532	2,100	100.0	613	7,479	100.0
Less than 50...	1	7	0.0	-	-	-	-	-	-
50-59.....	5	66	0.1	1	3	0.2	-	-	-
60-69.....	17	234	0.4	-	-	0.2	2	22	0.3
70-79.....	63	822	1.4	4	16	0.9	1	15	0.5
80-89.....	221	2,833	4.8	5	15	1.6	16	175	2.8
90-99.....	516	6,360	12.6	13	51	4.1	44	531	9.9
100-124.....	2,598	29,455	48.5	144	561	30.8	267	3,443	56.0
125-149.....	2,342	23,099	76.7	226	882	72.8	217	2,580	90.4
150-174.....	918	9,183	87.9	103	410	92.4	50	535	97.6
175-199.....	344	4,029	92.8	32	127	98.4	12	128	99.3
200-224.....	199	2,681	96.1	2	6	98.7	4	52	100.0
225-249.....	132	1,753	98.2	1	3	98.8	-	-	100.0
250 or more...	117	1,459	100.0	1	24	100.0	-	-	100.0
White									
Total.....	6,434	71,175	100.0	441	1,770	100.0	502	6,280	100.0
Less than 50...	1	7	0.0	-	-	-	-	-	-
50-59.....	4	54	0.1	1	3	0.2	-	-	-
60-69.....	13	173	0.3	-	-	0.2	1	7	0.1
70-79.....	57	753	1.4	4	16	1.1	1	15	0.3
80-89.....	192	2,465	4.8	5	15	1.9	12	129	2.4
90-99.....	465	5,796	13.0	11	45	4.5	40	484	10.1
100-124.....	2,323	26,401	50.1	124	480	31.6	236	3,071	59.0
125-149.....	2,015	19,864	78.0	188	761	74.6	171	2,096	92.4
150-174.....	733	7,586	88.7	84	329	93.2	31	360	98.1
175-199.....	263	3,180	93.1	21	90	98.3	6	66	99.2
200-224.....	169	2,296	96.3	1	3	98.4	4	52	100.0
225-249.....	103	1,399	98.3	1	3	98.6	-	-	100.0
250 or more...	96	1,202	100.0	1	24	100.0	-	-	100.0
Black									
Total.....	898	8,875	100.0	81	280	100.0	100	1,063	100.0
Less than 50...	-	-	-	-	-	-	-	-	-
50-59.....	-	-	-	-	-	-	-	-	-
60-69.....	2	31	0.3	-	-	-	1	15	1.4
70-79.....	5	56	1.0	-	-	-	-	-	1.4
80-89.....	16	185	3.1	-	-	-	3	36	4.8
90-99.....	36	345	6.9	2	6	2.1	3	26	7.3
100-124.....	217	2,245	32.2	18	70	27.0	25	308	36.3
125-149.....	300	2,832	64.2	35	107	65.4	43	441	77.7
150-174.....	170	1,424	80.2	15	59	86.5	19	175	94.2
175-199.....	77	803	89.3	10	35	99.0	6	62	100.0
200-224.....	29	377	93.5	1	3	100.0	-	-	100.0
225-249.....	25	319	97.1	-	-	100.0	-	-	100.0
250 or more...	21	257	100.0	-	-	100.0	-	-	100.0

See footnotes at end of table.

Table 71. Cumulative percent distribution of serum copper of females 3-74 years, by age, race, and level of serum copper: United States, 1976-80—Con.

Race and serum copper in micrograms per deciliter	Age								
	12-14 years			15-17 years			18-24 years		
	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent
All races²									
Total.....	372	4,286	100.0	359	4,905	100.0	863	11,632	100.0
Less than 50...	1	7	0.2	-	-	-	-	-	-
50-59.....	-	-	0.2	1	13	0.3	2	19	0.2
60-69.....	2	23	0.7	-	-	0.3	6	78	0.8
70-79.....	8	84	2.6	9	115	2.6	17	267	3.1
80-89.....	36	436	12.8	31	468	12.2	45	629	8.5
90-99.....	72	810	31.7	61	861	29.7	100	1,326	19.9
100-124.....	183	2,122	81.2	159	2,138	73.3	252	3,470	49.8
125-149.....	54	597	95.1	60	811	89.8	148	1,987	66.9
150-174.....	10	135	98.3	14	202	93.9	70	920	74.8
175-199.....	4	49	99.4	11	134	96.7	69	924	82.7
200-224.....	1	10	99.7	3	52	97.7	63	942	90.8
225-249.....	-	-	99.7	6	60	98.9	52	644	96.3
250 or more...	1	14	100.0	4	52	100.0	39	425	100.0
White									
Total.....	302	3,589	100.0	299	4,140	100.0	730	9,884	100.0
Less than 50...	1	7	0.2	-	-	-	-	-	-
50-59.....	-	-	0.2	1	13	0.3	1	7	0.1
60-69.....	2	23	0.8	-	-	0.3	4	45	0.5
70-79.....	8	84	3.2	7	94	2.6	16	253	3.1
80-89.....	30	382	13.8	26	372	11.5	40	551	8.7
90-99.....	60	701	33.3	56	787	30.6	90	1,191	20.7
100-124.....	155	1,826	84.2	139	1,903	76.5	216	3,009	51.1
125-149.....	36	422	96.0	46	628	91.7	123	1,658	67.9
150-174.....	8	120	99.3	11	159	95.5	59	773	75.7
175-199.....	1	15	99.7	6	82	97.5	61	810	83.9
200-224.....	1	10	100.0	2	43	98.6	50	755	91.6
225-249.....	-	-	100.0	3	32	99.3	40	506	96.7
250 or more...	-	-	100.0	2	28	100.0	30	326	100.0
Black									
Total.....	64	594	100.0	54	661	100.0	109	1,405	100.0
Less than 50...	-	-	-	-	-	-	-	-	-
50-59.....	-	-	-	-	-	-	-	-	-
60-69.....	-	-	-	-	-	-	1	16	1.1
70-79.....	-	-	-	2	21	3.2	-	-	1.1
80-89.....	6	55	9.2	2	34	8.4	1	11	1.9
90-99.....	9	63	19.8	5	74	19.6	6	74	7.2
100-124.....	25	239	60.0	17	193	48.7	30	371	33.6
125-149.....	18	175	89.4	14	182	76.4	23	289	54.2
150-174.....	2	15	91.9	3	43	82.8	11	147	64.7
175-199.....	3	34	97.6	5	52	90.7	7	107	72.3
200-224.....	-	-	97.6	1	8	92.0	12	179	85.0
225-249.....	-	-	97.6	3	28	96.3	9	111	92.9
250 or more...	1	14	100.0	2	25	100.0	9	100	100.0

See footnotes at end of table.

Table 71. Cumulative percent distribution of serum copper of females 3-74 years, by age, race, and level of serum copper: United States, 1976-80-Con.

Race and serum copper in micrograms per deciliter	Age								
	25-44 years			45-64 years			65-74 years		
	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent
All races²									
Total.....	1,727	24,948	100.0	1,807	19,653	100.0	1,200	6,979	100.0
Less than 50...	-	-	-	-	-	-	-	-	-
50-59.....	-	-	-	1	30	0.2	-	-	-
60-69.....	5	95	0.4	1	13	0.2	1	3	0.0
70-79.....	14	205	1.2	8	102	0.7	2	19	0.3
80-89.....	58	841	4.6	15	182	1.7	15	87	1.6
90-99.....	131	1,854	12.0	56	719	5.3	39	207	4.5
100-124.....	648	9,498	50.1	549	5,899	35.3	396	2,325	37.9
125-149.....	421	5,988	74.1	708	7,261	72.3	508	2,993	80.7
150-174.....	181	2,474	84.0	310	3,486	90.0	180	1,022	95.4
175-199.....	90	1,385	89.5	89	1,112	95.7	37	191	98.1
200-224.....	69	1,039	93.6	44	505	98.3	13	76	99.2
225-249.....	52	751	96.6	18	274	99.6	3	21	99.5
250 or more...	58	839	100.0	8	69	100.0	6	35	100.0
White									
Total.....	1,502	21,702	100.0	1,593	17,529	100.0	1,065	6,282	100.0
Less than 50...	-	-	-	-	-	-	-	-	-
50-59.....	-	-	-	1	30	0.2	-	-	-
60-69.....	5	95	0.4	-	-	0.2	1	3	0.1
70-79.....	13	181	1.3	6	91	0.7	2	19	0.4
80-89.....	52	787	4.9	14	154	1.6	13	75	1.6
90-99.....	124	1,753	13.0	51	653	5.3	33	181	4.4
100-124.....	587	8,547	52.4	508	5,481	36.6	358	2,084	37.6
125-149.....	354	4,987	75.3	634	6,544	73.9	463	2,768	81.7
150-174.....	140	1,989	84.5	251	2,971	90.8	149	886	95.8
175-199.....	72	1,098	89.6	68	862	95.8	28	158	98.3
200-224.....	62	932	93.9	37	429	98.2	12	71	99.4
225-249.....	43	608	96.7	15	244	99.6	1	6	99.5
250 or more...	50	725	100.0	8	69	100.0	5	30	100.0
Black									
Total.....	189	2,635	100.0	184	1,870	100.0	117	567	100.0
Less than 50...	-	-	-	-	-	-	-	-	-
50-59.....	-	-	-	-	-	-	-	-	-
60-69.....	-	-	-	-	-	-	-	-	-
70-79.....	1	24	0.9	2	11	0.6	-	-	-
80-89.....	2	18	1.6	1	28	2.3	1	3	0.5
90-99.....	5	72	4.3	1	8	2.8	5	22	4.4
100-124.....	43	602	27.2	32	302	20.9	27	159	32.5
125-149.....	60	866	60.0	65	565	54.7	42	207	69.0
150-174.....	38	453	77.2	53	414	79.5	29	119	90.0
175-199.....	17	244	86.5	20	236	93.7	9	33	95.8
200-224.....	7	107	90.5	7	75	98.2	1	5	96.6
225-249.....	8	135	95.7	3	30	100.0	2	15	99.3
250 or more...	8	115	100.0	-	-	100.0	1	4	100.0

¹ Does not include sample weights for missing values.

² Includes data for races not shown as separate categories.

Table 72. Cumulative percent distribution of serum vitamin C of males 3-74 years, by age, race, and level of serum vitamin C: United States, 1976-80

Race and serum vitamin C in milligrams per deciliter	Age								
	3-74 years			3-5 years			6-11 years		
	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent
All races²									
Total.....	7,707	83,330	100.0	673	2,607	100.0	579	6,840	100.0
0.1.....	33	235	0.3	-	-	-	-	-	-
0.2.....	349	3,362	4.3	1	2	0.1	3	26	0.4
0.3.....	499	5,491	10.9	8	19	0.8	6	61	1.3
0.4.....	488	5,264	17.2	8	23	1.7	6	56	2.1
0.5.....	414	4,991	23.2	7	28	2.8	11	140	4.1
0.6-0.9.....	1,597	17,983	28.3	61	202	3.9	67	667	6.0
1.0-1.4.....	2,720	29,877	80.6	197	731	38.6	224	2,688	53.2
1.5-1.9.....	1,253	12,602	95.8	273	1,098	80.7	198	2,298	86.8
2.0-2.4.....	271	2,694	99.0	91	377	95.1	50	709	97.2
2.5-2.9.....	58	596	99.7	21	94	98.8	6	85	98.4
3.0-3.4.....	8	86	99.8	1	9	99.1	4	51	99.1
3.5-3.9.....	7	54	99.9	3	12	99.6	2	37	99.7
4.0 or more.....	10	95	100.0	2	12	100.0	2	22	100.0
White									
Total.....	6,644	72,435	100.0	551	2,155	100.0	491	5,840	100.0
0.1.....	26	194	0.3	-	-	-	-	-	-
0.2.....	279	2,755	4.1	1	2	0.1	3	26	0.4
0.3.....	420	4,813	10.7	5	12	0.7	5	50	1.3
0.4.....	401	4,352	16.7	7	21	1.7	5	41	2.0
0.5.....	352	4,311	22.7	6	21	2.6	11	140	4.4
0.6-0.9.....	1,332	15,149	27.6	37	123	3.3	49	500	6.3
1.0-1.4.....	2,401	26,297	79.9	162	596	36.0	192	2,272	51.9
1.5-1.9.....	1,113	11,350	95.6	228	936	79.4	173	2,057	87.1
2.0-2.4.....	244	2,462	99.0	81	342	95.2	42	608	97.5
2.5-2.9.....	55	565	99.7	19	79	98.9	5	69	98.7
3.0-3.4.....	7	77	99.8	-	-	98.9	4	51	99.6
3.5-3.9.....	6	35	99.9	3	12	99.5	1	17	99.9
4.0 or more.....	8	74	100.0	2	12	100.0	1	8	100.0
Black									
Total.....	876	8,472	100.0	96	335	100.0	69	759	100.0
0.1.....	7	41	0.5	-	-	-	-	-	-
0.2.....	66	540	6.9	-	-	-	-	-	-
0.3.....	74	635	14.4	2	5	1.4	1	11	1.5
0.4.....	75	755	23.3	1	2	1.9	1	15	3.4
0.5.....	54	599	30.3	-	-	1.9	-	-	3.4
0.6-0.9.....	226	2,298	37.4	19	58	6.5	15	137	6.3
1.0-1.4.....	247	2,586	88.0	30	113	52.8	23	291	59.8
1.5-1.9.....	106	849	98.0	35	115	87.2	22	221	88.9
2.0-2.4.....	18	144	99.7	7	26	95.0	7	84	100.0
2.5-2.9.....	1	8	99.8	1	8	97.4	-	-	100.0
3.0-3.4.....	1	9	99.9	1	9	100.0	-	-	100.0
3.5-3.9.....	-	-	99.9	-	-	100.0	-	-	100.0
4.0 or more.....	1	8	100.0	-	-	100.0	-	-	100.0

See footnotes at end of table.

Table 72. Cumulative percent distribution of serum vitamin C of males 3-74 years, by age, race, and level of serum vitamin C: United States, 1976-80—Con.

Race and serum vitamin C in milligrams per deciliter	Age								
	12-14 years			15-17 years			18-24 years		
	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent
All races ²									
Total.....	449	5,300	100.0	491	5,805	100.0	905	12,166	100.0
0.1.....	-	-	-	-	-	-	3	28	0.2
0.2.....	3	48	0.9	11	119	2.1	20	238	2.2
0.3.....	10	112	3.0	17	165	4.9	49	652	7.5
0.4.....	19	184	6.5	38	501	13.5	60	768	13.8
0.5.....	12	111	8.6	33	403	20.5	58	772	20.2
0.6-0.9.....	84	974	13.9	120	1,309	24.5	248	3,172	28.4
1.0-1.4.....	196	2,289	70.2	187	2,238	81.6	338	4,723	85.1
1.5-1.9.....	101	1,255	93.8	72	907	97.2	110	1,521	97.6
2.0-2.4.....	22	288	99.3	11	133	99.5	14	238	99.5
2.5-2.9.....	2	39	100.0	1	15	99.7	3	41	99.9
3.0-3.4.....	-	-	100.0	-	-	99.7	1	7	99.9
3.5-3.9.....	-	-	100.0	-	-	99.7	-	-	99.9
4.0 or more.....	-	-	100.0	1	15	100.0	1	8	100.0
White									
Total.....	372	4,421	100.0	408	4,854	100.0	781	10,528	100.0
0.1.....	-	-	-	-	-	-	2	18	0.2
0.2.....	3	48	1.1	9	98	2.0	17	206	2.1
0.3.....	9	103	3.4	14	134	4.8	42	544	7.3
0.4.....	17	164	7.1	31	404	13.1	51	647	13.4
0.5.....	7	70	8.7	27	326	19.8	51	676	19.9
0.6-0.9.....	66	782	13.5	97	1,063	23.3	211	2,713	27.8
1.0-1.4.....	163	1,912	69.6	159	1,900	80.9	294	4,102	84.6
1.5-1.9.....	85	1,033	93.0	59	774	96.8	96	1,348	97.4
2.0-2.4.....	20	271	99.1	10	124	99.4	12	219	99.5
2.5-2.9.....	2	39	100.0	1	15	99.7	3	41	99.9
3.0-3.4.....	-	-	100.0	-	-	99.7	1	7	99.9
3.5-3.9.....	-	-	100.0	-	-	99.7	-	-	99.9
4.0 or more.....	-	-	100.0	1	15	100.0	1	8	100.0
Black									
Total.....	63	681	100.0	70	794	100.0	104	1,348	100.0
0.1.....	-	-	-	-	-	-	1	10	0.7
0.2.....	-	-	-	2	21	2.6	3	31	3.0
0.3.....	1	9	1.3	2	25	5.8	7	108	11.0
0.4.....	2	20	4.3	7	97	18.0	9	121	20.0
0.5.....	5	42	10.4	5	70	26.8	6	88	26.5
0.6-0.9.....	16	160	16.7	23	246	35.2	33	410	37.1
1.0-1.4.....	29	332	82.6	23	262	90.8	33	440	89.6
1.5-1.9.....	9	111	98.9	7	64	98.9	11	133	99.4
2.0-2.4.....	1	8	100.0	1	9	100.0	1	8	100.0
2.5-2.9.....	-	-	100.0	-	-	100.0	-	-	100.0
3.0-3.4.....	-	-	100.0	-	-	100.0	-	-	100.0
3.5-3.9.....	-	-	100.0	-	-	100.0	-	-	100.0
4.0 or more.....	-	-	100.0	-	-	100.0	-	-	100.0

See footnotes at end of table.

Table 72. Cumulative percent distribution of serum vitamin C of males 3-74 years, by age, race, and level of serum vitamin C: United States, 1976-80—Con.

Race and serum vitamin C in milligrams per deciliter	Age								
	25-44 years			45-64 years			65-74 years		
	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent
All races ²									
Total.....	1,693	25,381	100.0	1,803	19,372	100.0	1,114	5,858	100.0
0.1.....	6	75	0.3	15	99	0.5	9	33	0.6
0.2.....	93	1,273	5.3	139	1,319	7.3	79	338	6.3
0.3.....	166	2,384	14.7	168	1,725	16.2	75	372	12.7
0.4.....	130	1,848	22.0	151	1,516	24.0	76	369	19.0
0.5.....	123	1,858	29.3	118	1,409	31.3	52	270	23.6
0.6-0.9.....	438	6,522	34.6	362	4,031	36.5	217	1,105	28.0
1.0-1.4.....	547	8,275	87.6	618	6,638	86.4	413	2,293	81.6
1.5-1.9.....	168	2,769	98.5	176	1,902	96.2	155	852	96.2
2.0-2.4.....	15	232	99.4	39	550	99.1	29	167	99.0
2.5-2.9.....	7	144	100.0	11	130	99.7	7	47	99.8
3.0-3.4.....	-	-	100.0	2	19	99.8	-	-	99.8
3.5-3.9.....	-	-	100.0	2	6	99.9	-	-	99.8
4.0 or more.....	-	-	100.0	2	28	100.0	2	11	100.0
White									
Total.....	1,462	22,128	100.0	1,604	17,318	100.0	975	5,191	100.0
0.1.....	4	59	0.3	12	87	0.5	8	29	0.6
0.2.....	76	1,026	4.9	113	1,103	6.9	57	246	5.3
0.3.....	148	2,159	14.7	135	1,495	15.5	62	316	11.4
0.4.....	102	1,471	21.3	128	1,297	23.0	60	308	17.3
0.5.....	110	1,648	28.8	101	1,234	30.1	39	197	21.1
0.6-0.9.....	374	5,567	34.0	317	3,473	35.1	181	929	24.8
1.0-1.4.....	471	7,219	86.5	578	6,161	85.7	382	2,136	80.1
1.5-1.9.....	155	2,604	98.3	167	1,777	96.0	150	821	96.0
2.0-2.4.....	15	232	99.4	37	515	99.0	27	151	98.9
2.5-2.9.....	7	144	100.0	11	130	99.7	7	47	99.8
3.0-3.4.....	-	-	100.0	2	19	99.8	-	-	99.8
3.5-3.9.....	-	-	100.0	2	6	99.9	-	-	99.8
4.0 or more.....	-	-	100.0	1	21	100.0	2	11	100.0
Black									
Total.....	185	2,367	100.0	176	1,686	100.0	113	501	100.0
0.1.....	2	17	0.7	3	11	0.7	1	4	0.8
0.2.....	15	208	9.5	25	193	12.1	21	88	18.3
0.3.....	16	199	17.9	33	230	25.7	12	48	27.8
0.4.....	22	270	29.3	20	182	36.5	13	49	37.6
0.5.....	12	196	37.6	16	151	45.5	10	52	47.9
0.6-0.9.....	52	686	44.5	40	470	51.7	28	132	56.1
1.0-1.4.....	56	686	95.5	30	365	95.0	23	98	93.8
1.5-1.9.....	10	106	100.0	7	68	99.0	5	31	100.0
2.0-2.4.....	-	-	100.0	1	9	99.5	-	-	100.0
2.5-2.9.....	-	-	100.0	-	-	99.5	-	-	100.0
3.0-3.4.....	-	-	100.0	-	-	99.5	-	-	100.0
3.5-3.9.....	-	-	100.0	-	-	99.5	-	-	100.0
4.0 or more.....	-	-	100.0	1	8	100.0	-	-	100.0

¹ Does not include sample weights for missing values.

² Includes data for races not shown as separate categories.

Table 73. Cumulative percent distribution of serum vitamin C of females 3-74 years, by age, race, and level of serum vitamin C: United States, 1976-80

Race and serum vitamin C in milligrams per deciliter	Age								
	3-74 years			3-5 years			6-11 years		
	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent
All races²									
Total.....	8,089	88,781	100.0	554	2,129	100.0	576	6,900	100.0
0.1.....	24	196	0.2	-	-	-	-	-	-
0.2.....	160	1,780	2.2	-	-	-	1	10	0.1
0.3.....	341	3,714	6.4	3	7	0.3	5	48	0.8
0.4.....	371	4,119	11.0	4	10	0.8	9	86	2.1
0.5.....	351	3,978	15.5	10	25	2.0	11	121	3.8
0.6-0.9.....	1,425	16,238	19.9	54	193	3.7	75	867	6.9
1.0-1.4.....	3,011	33,474	71.5	168	641	41.1	217	2,527	53.0
1.5-1.9.....	1,925	20,575	94.7	225	867	81.8	201	2,518	89.5
2.0-2.4.....	372	3,695	98.9	69	288	95.4	50	633	98.7
2.5-2.9.....	78	740	99.7	15	70	98.7	6	75	99.8
3.0-3.4.....	15	122	99.8	4	18	99.5	-	-	99.8
3.5-3.9.....	6	40	99.9	2	10	100.0	-	-	99.8
4.0 or more....	10	110	100.0	-	-	100.0	1	15	100.0
White									
Total.....	6,921	76,666	100.0	452	1,781	100.0	466	5,757	100.0
0.1.....	16	145	0.2	-	-	-	-	-	-
0.2.....	129	1,458	2.1	-	-	-	-	-	-
0.3.....	291	3,185	6.2	2	5	0.3	3	20	0.3
0.4.....	294	3,320	10.6	2	4	0.5	7	73	1.6
0.5.....	283	3,374	15.0	6	16	1.4	9	105	3.4
0.6-0.9.....	1,148	13,122	19.0	40	128	3.4	56	681	6.0
1.0-1.4.....	2,574	28,906	69.8	137	545	39.2	167	2,019	50.3
1.5-1.9.....	1,738	18,715	94.2	183	723	79.8	172	2,199	88.5
2.0-2.4.....	344	3,457	98.7	63	271	95.0	46	575	98.5
2.5-2.9.....	75	722	99.7	14	65	98.7	5	70	99.7
3.0-3.4.....	13	113	99.8	3	13	99.4	-	-	99.7
3.5-3.9.....	6	40	99.9	2	10	100.0	-	-	99.7
4.0 or more....	10	110	100.0	-	-	100.0	1	15	100.0
Black									
Total.....	1,019	10,118	100.0	87	278	100.0	101	1,054	100.0
0.1.....	8	51	0.5	-	-	-	-	-	-
0.2.....	29	282	3.3	-	-	-	1	10	1.0
0.3.....	44	438	7.6	1	2	0.7	2	28	3.6
0.4.....	71	686	14.4	1	3	1.8	2	13	4.9
0.5.....	66	572	20.1	4	10	5.2	2	16	6.4
0.6-0.9.....	242	2,640	27.1	11	41	6.1	19	187	12.5
1.0-1.4.....	383	3,787	83.6	30	95	54.0	47	479	69.6
1.5-1.9.....	149	1,439	97.8	33	106	92.2	23	257	94.0
2.0-2.4.....	24	210	99.9	6	17	98.5	4	58	99.5
2.5-2.9.....	2	9	100.0	1	4	100.0	1	5	100.0
3.0-3.4.....	1	4	100.0	-	-	100.0	-	-	100.0
3.5-3.9.....	-	-	100.0	-	-	100.0	-	-	100.0
4.0 or more....	-	-	100.0	-	-	100.0	-	-	100.0

See footnotes at end of table.

Table 73. Cumulative percent distribution of serum vitamin C of females 3-74 years, by age, race, and level of serum vitamin C: United States, 1976-80—Con.

Race and serum vitamin C in milligrams per deciliter	Age								
	12-14 years			15-17 years			18-24 years		
	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent
All races²									
Total.....	422	4,982	100.0	414	5,690	100.0	996	13,280	100.0
0.1.....	-	-	-	-	-	-	3	37	0.3
0.2.....	3	23	0.5	8	142	2.5	21	231	2.0
0.3.....	14	151	3.5	17	234	6.6	43	547	6.1
0.4.....	11	124	6.0	31	366	13.0	54	652	11.1
0.5.....	15	130	8.6	16	201	16.6	58	776	16.9
0.6-0.9.....	88	963	13.8	100	1,368	23.5	220	2,777	21.1
1.0-1.4.....	161	1,924	66.6	143	1,970	75.2	367	4,954	75.1
1.5-1.9.....	110	1,436	95.4	82	1,199	96.3	184	2,641	95.0
2.0-2.4.....	15	169	98.8	11	140	98.7	38	568	99.3
2.5-2.9.....	4	55	99.9	3	35	99.3	5	59	99.7
3.0-3.4.....	1	6	100.0	1	8	99.5	1	8	99.8
3.5-3.9.....	-	-	100.0	1	11	99.7	-	-	99.8
4.0 or more.....	-	-	100.0	1	19	100.0	2	29	100.0
White									
Total.....	344	4,195	100.0	342	4,805	100.0	836	11,167	100.0
0.1.....	-	-	-	-	-	-	2	25	0.2
0.2.....	3	23	0.5	7	133	2.8	17	192	1.9
0.3.....	13	144	4.0	15	204	7.0	36	461	6.1
0.4.....	8	83	5.9	24	285	13.0	43	506	10.6
0.5.....	11	105	8.5	12	162	16.3	46	604	16.0
0.6-0.9.....	64	757	13.4	78	1,066	23.6	182	2,316	20.2
1.0-1.4.....	128	1,599	64.6	118	1,648	72.8	304	4,125	73.7
1.5-1.9.....	97	1,255	94.5	73	1,112	96.0	161	2,293	94.2
2.0-2.4.....	15	169	98.5	9	122	98.5	37	547	99.1
2.5-2.9.....	4	55	99.8	3	35	99.2	5	59	99.7
3.0-3.4.....	1	6	100.0	1	8	99.4	1	8	99.7
3.5-3.9.....	-	-	100.0	1	11	99.6	-	-	99.7
4.0 or more.....	-	-	100.0	1	19	100.0	2	29	100.0
Black									
Total.....	72	683	100.0	65	773	100.0	134	1,740	100.0
0.1.....	-	-	-	-	-	-	1	12	0.7
0.2.....	-	-	-	1	9	1.2	3	31	2.5
0.3.....	1	7	1.0	2	30	5.1	5	57	5.8
0.4.....	3	41	7.0	5	40	10.3	11	146	14.2
0.5.....	4	25	10.7	3	23	13.3	12	172	24.1
0.6-0.9.....	22	180	15.4	22	302	19.6	32	364	28.8
1.0-1.4.....	30	268	76.3	21	264	86.5	54	710	85.8
1.5-1.9.....	12	162	100.0	9	87	97.7	15	227	98.8
2.0-2.4.....	-	-	100.0	2	18	100.0	1	20	100.0
2.5-2.9.....	-	-	100.0	-	-	100.0	-	-	100.0
3.0-3.4.....	-	-	100.0	-	-	100.0	-	-	100.0
3.5-3.9.....	-	-	100.0	-	-	100.0	-	-	100.0
4.0 or more.....	-	-	100.0	-	-	100.0	-	-	100.0

See footnotes at end of table.

Table 73. Cumulative percent distribution of serum vitamin C of females 3–74 years, by age, race, and level of serum vitamin C: United States, 1976–80—Con.

Race and serum vitamin C in milligrams per deciliter	Age								
	25–44 years			45–64 years			65–74 years		
	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent
All races²									
Total.....	1,885	27,296	100.0	1,938	20,977	100.0	1,304	7,528	100.0
0.1.....	6	68	0.2	10	72	0.3	5	19	0.2
0.2.....	60	745	3.0	49	524	2.8	18	106	1.7
0.3.....	126	1,654	9.0	92	859	6.9	41	215	4.5
0.4.....	127	1,722	15.3	85	923	11.3	50	236	7.7
0.5.....	111	1,592	21.2	88	906	15.7	42	228	10.7
0.6–0.9.....	387	5,469	25.8	301	3,465	19.8	200	1,136	15.2
1.0–1.4.....	714	10,280	78.9	741	8,260	71.8	500	2,917	64.5
1.5–1.9.....	291	4,794	96.4	474	4,955	95.2	358	2,165	93.3
2.0–2.4.....	51	791	99.3	72	748	98.7	66	358	98.0
2.5–2.9.....	9	135	99.8	20	202	99.7	16	111	99.5
3.0–3.4.....	2	33	99.9	3	35	99.9	3	14	99.7
3.5–3.9.....	-	-	99.9	1	9	99.9	2	10	99.8
4.0 or more.....	1	14	100.0	2	19	100.0	3	14	100.0
White									
Total.....	1,624	23,594	100.0	1,697	18,586	100.0	1,160	6,782	100.0
0.1.....	5	58	0.2	5	46	0.2	4	16	0.2
0.2.....	46	586	2.7	40	427	2.5	16	97	1.7
0.3.....	106	1,366	8.5	79	785	6.8	37	201	4.6
0.4.....	108	1,439	14.6	66	751	10.8	36	178	7.3
0.5.....	93	1,403	20.6	70	774	15.0	36	204	10.3
0.6–0.9.....	313	4,360	24.6	247	2,882	18.7	168	933	14.1
1.0–1.4.....	625 ¹	9,053	77.4	651	7,280	69.6	444	2,636	62.9
1.5–1.9.....	268	4,390	96.0	448	4,693	94.9	336	2,050	93.1
2.0–2.4.....	48	757	99.2	65	685	98.6	61	331	98.0
2.5–2.9.....	9	135	99.8	20	202	99.7	15	102	99.5
3.0–3.4.....	2	33	99.9	3	35	99.9	2	10	99.7
3.5–3.9.....	-	-	99.9	1	9	99.9	2	10	99.8
4.0 or more.....	1	14	100.0	2	19	100.0	3	14	100.0
Black									
Total.....	225	3,075	100.0	208	1,900	100.0	127	616	100.0
0.1.....	1	9	0.3	5	26	1.4	1	3	0.5
0.2.....	13	126	4.4	9	97	6.5	2	8	1.8
0.3.....	17	238	12.2	12	61	9.7	4	14	4.1
0.4.....	18	251	20.3	17	132	16.7	14	58	13.6
0.5.....	17	173	25.9	18	132	23.6	6	22	17.1
0.6–0.9.....	62	910	35.2	47	486	29.6	27	170	30.7
1.0–1.4.....	76	1,006	88.3	76	738	88.0	49	228	81.8
1.5–1.9.....	18	326	98.9	21	192	98.1	18	83	95.2
2.0–2.4.....	3	34	100.0	3	36	100.0	5	26	99.4
2.5–2.9.....	-	-	100.0	-	-	100.0	-	-	99.4
3.0–3.4.....	-	-	100.0	-	-	100.0	1	4	100.0
3.5–3.9.....	-	-	100.0	-	-	100.0	-	-	100.0
4.0 or more.....	-	-	100.0	-	-	100.0	-	-	100.0

¹ Does not include sample weights for missing values.

² Includes data for races not shown as separate categories.

Table 74. Cumulative percent distribution of serum albumin of males 3-74 years, by age, race, and level of serum albumin: United States, 1976-80

Race and serum albumin in grams per deciliter	Age								
	3-74 years			3-5 years			6-11 years		
	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent
All races²									
Total.....	7,558	82,778	100.0	584	2,262	100.0	474	5,588	100.0
Less than 3.5...	14	101	0.1	2	11	0.5	-	-	-
3.5-3.9.....	74	471	0.7	4	11	1.0	2	13	0.2
4.0-4.1.....	153	1,174	2.1	7	41	2.8	3	20	0.6
4.2-4.3.....	454	3,782	6.7	42	161	9.9	14	172	3.7
4.4-4.5.....	1,137	10,361	19.2	139	531	33.4	72	860	19.1
4.6-4.7.....	1,751	17,429	40.2	186	693	64.0	118	1,335	43.0
4.8-4.9.....	1,791	21,061	65.7	126	508	86.4	138	1,610	71.8
5.0-5.4.....	2,072	26,826	98.1	77	304	99.9	126	1,571	99.9
5.5 or more....	112	1,574	100.0	1	3	100.0	1	6	100.0
White									
Total.....	6,488	71,801	100.0	471	1,831	100.0	404	4,807	100.0
Less than 3.5...	12	85	0.1	2	11	0.6	-	-	-
3.5-3.9.....	55	325	0.6	4	11	1.2	2	13	0.3
4.0-4.1.....	118	893	1.8	4	17	2.2	3	20	0.7
4.2-4.3.....	370	3,134	6.2	31	129	9.2	11	133	3.5
4.4-4.5.....	932	8,439	17.9	101	391	30.6	59	730	18.6
4.6-4.7.....	1,475	14,623	38.3	159	586	62.6	98	1,107	41.7
4.8-4.9.....	1,551	18,480	64.0	100	414	85.2	122	1,446	71.7
5.0-5.4.....	1,874	24,395	98.0	69	267	99.8	109	1,359	100.0
5.5 or more....	101	1,428	100.0	1	3	100.0	-	-	100.0
Black									
Total.....	891	8,609	100.0	91	332	100.0	55	584	100.0
Less than 3.5...	2	15	0.2	-	-	-	-	-	-
3.5-3.9.....	19	146	1.9	-	-	-	-	-	-
4.0-4.1.....	31	246	4.7	3	24	7.3	-	-	-
4.2-4.3.....	79	599	11.7	10	29	16.1	2	20	3.5
4.4-4.5.....	178	1,575	30.0	33	112	50.0	9	88	18.6
4.6-4.7.....	231	2,319	56.9	23	91	77.5	14	139	42.5
4.8-4.9.....	195	1,951	79.6	16	52	93.0	16	164	70.6
5.0-5.4.....	151	1,694	99.3	6	23	100.0	14	171	100.0
5.5 or more....	5	63	100.0	-	-	100.0	-	-	100.0

See footnotes at end of table.

Table 74. Cumulative percent distribution of serum albumin of males 3-74 years, by age, race, and level of serum albumin: United States, 1976-80—Con.

Race and serum albumin in grams per deciliter	Age								
	12-14 years			15-17 years			18-24 years		
	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent
All races²									
Total.....	454	5,416	100.0	497	5,875	100.0	908	12,244	100.0
Less than 3.5...	1	12	0.2	-	-	-	-	-	-
3.5-3.9.....	2	17	0.5	-	-	-	1	16	0.1
4.0-4.1.....	3	24	1.0	1	9	0.2	6	67	0.7
4.2-4.3.....	8	112	3.1	10	118	2.2	13	136	1.8
4.4-4.5.....	47	529	12.8	28	316	7.5	35	485	5.8
4.6-4.7.....	109	1,345	37.7	81	981	24.3	101	1,366	16.9
4.8-4.9.....	148	1,770	70.3	121	1,327	46.8	208	2,770	39.5
5.0-5.4.....	134	1,573	99.4	241	2,931	96.7	486	6,547	93.0
5.5 or more....	2	33	100.0	15	192	100.0	58	857	100.0
White									
Total.....	374	4,507	100.0	410	4,888	100.0	777	10,539	100.0
Less than 3.5...	1	12	0.3	-	-	-	-	-	-
3.5-3.9.....	-	-	0.3	-	-	-	1	16	0.2
4.0-4.1.....	2	15	0.6	-	-	-	2	18	0.3
4.2-4.3.....	5	73	2.2	5	50	1.0	6	57	0.9
4.4-4.5.....	28	318	9.3	17	193	5.0	24	337	4.1
4.6-4.7.....	89	1,099	33.7	59	743	20.2	78	1,030	13.8
4.8-4.9.....	124	1,528	67.6	100	1,084	42.4	177	2,429	36.9
5.0-5.4.....	123	1,428	99.3	214	2,626	96.1	439	5,929	93.1
5.5 or more....	2	33	100.0	15	192	100.0	50	723	100.0
Black									
Total.....	68	711	100.0	74	830	100.0	111	1,416	100.0
Less than 3.5...	-	-	-	-	-	-	-	-	-
3.5-3.9.....	2	17	2.5	-	-	-	-	-	-
4.0-4.1.....	1	8	3.6	1	9	1.1	3	36	2.6
4.2-4.3.....	3	39	9.1	5	68	9.3	7	80	8.2
4.4-4.5.....	15	170	32.9	10	112	22.8	11	148	18.6
4.6-4.7.....	17	183	58.7	18	199	46.8	20	302	40.0
4.8-4.9.....	20	192	85.8	21	244	76.2	26	279	59.7
5.0-5.4.....	8	101	100.0	19	197	100.0	40	512	95.8
5.5 or more....	-	-	100.0	-	-	100.0	4	59	100.0

See footnotes at end of table.

Table 74. Cumulative percent distribution of serum albumin of males 3-74 years, by age, race, and level of serum albumin: United States, 1978-80—Con.

Race and serum albumin in grams per deciliter	Age								
	25-44 years			45-64 years			65-74 years		
	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent
All races²									
Total.....	1,718	25,847	100.0	1,803	19,650	100.0	1,120	5,896	100.0
Less than 3.5...	1	13	0.1	7	48	0.2	3	16	0.3
3.5-3.9.....	5	89	0.4	24	166	1.1	36	160	3.0
4.0-4.1.....	13	212	1.2	55	447	3.4	65	354	9.0
4.2-4.3.....	45	615	3.6	167	1,606	11.5	155	860	23.6
4.4-4.5.....	156	2,292	12.5	362	3,816	31.0	299	1,632	49.5
4.6-4.7.....	323	4,673	30.5	512	5,342	58.1	321	1,694	78.3
4.8-4.9.....	500	7,474	59.5	391	4,705	82.1	159	899	93.5
5.0-5.4.....	653	10,114	98.6	275	3,412	99.4	80	373	99.9
5.5 or more....	22	365	100.0	10	108	100.0	3	11	100.0
White									
Total.....	1,474	22,476	100.0	1,602	17,543	100.0	976	5,212	100.0
Less than 3.5...	1	13	0.1	5	33	0.2	3	16	0.3
3.5-3.9.....	3	49	0.3	17	104	0.8	28	132	2.8
4.0-4.1.....	9	165	1.0	43	349	2.8	55	309	8.8
4.2-4.3.....	32	476	3.1	146	1,450	11.0	134	765	23.4
4.4-4.5.....	124	1,785	11.1	319	3,329	30.0	280	1,356	49.4
4.6-4.7.....	255	3,825	28.1	455	4,743	57.0	282	1,489	78.0
4.8-4.9.....	437	6,557	57.3	349	4,221	81.1	142	802	93.4
5.0-5.4.....	591	9,239	98.4	258	3,206	99.4	71	340	99.9
5.5 or more....	22	365	100.0	10	108	100.0	1	4	100.0
Black									
Total.....	197	2,476	100.0	179	1,742	100.0	118	519	100.0
Less than 3.5...	-	-	-	2	15	0.9	-	-	-
3.5-3.9.....	2	39	1.6	7	62	4.4	8	28	5.3
4.0-4.1.....	3	38	3.1	11	95	9.8	9	35	12.2
4.2-4.3.....	13	139	8.7	19	139	17.8	20	85	28.6
4.4-4.5.....	28	419	25.7	38	374	39.3	34	152	57.9
4.6-4.7.....	60	727	55.0	53	554	71.1	28	122	81.5
4.8-4.9.....	47	569	78.0	37	389	93.4	12	63	93.6
5.0-5.4.....	44	545	100.0	12	115	100.0	8	29	99.2
5.5 or more....	-	-	100.0	-	-	100.0	1	4	100.0

¹ Does not include sample weights for missing values.

² Includes data for races not shown as separate categories.

Table 75. Cumulative percent distribution of serum albumin of females 3-74 years, by age, race, and level of serum albumin: United States, 1976-80

Race and serum albumin in grams per deciliter	Age								
	3-74 years			3-5 years			6-11 years		
	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent
All races²									
Total.....	7,899	87,685	100.0	449	1,729	100.0	442	5,225	100.0
Less than 3.5...	5	37	0.0	-	-	-	-	-	-
3.5-3.9.....	178	1,912	2.2	2	6	0.3	3	37	0.7
4.0-4.1.....	321	3,242	5.9	5	26	1.9	10	143	3.4
4.2-4.3.....	880	9,156	16.4	33	169	11.6	20	211	7.5
4.4-4.5.....	1,586	16,504	35.2	84	304	29.2	69	745	21.7
4.6-4.7.....	2,097	23,067	61.5	142	518	59.2	114	1,385	48.2
4.8-4.9.....	1,634	19,096	83.3	123	473	86.5	119	1,428	75.6
5.0-5.4.....	1,161	14,085	99.3	59	231	99.8	101	1,178	98.1
5.5 or more....	37	587	100.0	1	3	100.0	6	98	100.0
White									
Total.....	6,713	75,351	100.0	362	1,426	100.0	358	4,407	100.0
Less than 3.5...	3	27	0.0	-	-	-	-	-	-
3.5-3.9.....	138	1,506	2.0	2	6	0.4	2	30	0.7
4.0-4.1.....	240	2,427	5.3	5	26	2.3	8	125	3.5
4.2-4.3.....	703	7,485	15.2	25	130	11.4	12	142	6.8
4.4-4.5.....	1,308	13,633	33.3	66	246	28.7	46	540	19.0
4.6-4.7.....	1,787	19,846	59.6	107	398	56.6	90	1,144	45.0
4.8-4.9.....	1,448	17,092	82.3	105	410	85.3	100	1,224	72.7
5.0-5.4.....	1,052	12,784	99.3	51	206	99.8	94	1,103	97.8
5.5 or more....	34	550	100.0	1	3	100.0	6	98	100.0
Black									
Total.....	1,034	10,279	100.0	74	248	100.0	74	720	100.0
Less than 3.5...	1	4	0.0	-	-	-	-	-	-
3.5-3.9.....	39	402	4.0	-	-	-	1	7	0.9
4.0-4.1.....	73	715	10.9	-	-	-	2	17	3.4
4.2-4.3.....	162	1,491	25.4	6	30	12.2	8	69	12.9
4.4-4.5.....	253	2,609	50.8	14	39	28.1	20	184	38.5
4.6-4.7.....	263	2,519	75.3	30	98	67.3	21	212	68.0
4.8-4.9.....	150	1,475	89.6	16	56	90.0	18	162	90.5
5.0-5.4.....	91	1,044	99.8	8	25	100.0	6	68	100.0
5.5 or more....	2	21	100.0	-	-	100.0	-	-	100.0

See footnotes at end of table.

Table 75. Cumulative percent distribution of serum albumin of females 3-74 years, by age, race, and level of serum albumin: United States, 1976-80—Con.

Race and serum albumin in grams per deciliter	Age								
	12-14 years			15-17 years			18-24 years		
	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent
All races²									
Total.....	432	5,096	100.0	412	5,670	100.0	995	13,335	100.0
Less than 3.5...	-	-	-	-	-	-	-	-	-
3.5-3.9.....	5	67	1.3	6	67	1.2	40	525	3.9
4.0-4.1.....	5	69	2.7	10	102	3.0	45	560	8.1
4.2-4.3.....	24	261	7.8	20	263	7.6	91	1,217	17.3
4.4-4.5.....	52	609	19.7	46	645	19.0	158	2,105	33.0
4.6-4.7.....	107	1,232	43.9	96	1,259	41.2	231	3,027	55.7
4.8-4.9.....	121	1,396	71.3	98	1,355	65.1	209	2,934	77.8
5.0-5.4.....	114	1,388	98.6	131	1,847	97.7	211	2,821	98.9
5.5 or more....	4	74	100.0	5	132	100.0	10	146	100.0
White									
Total.....	344	4,228	100.0	338	4,768	100.0	831	11,184	100.0
Less than 3.5...	-	-	-	-	-	-	-	-	-
3.5-3.9.....	3	50	1.2	3	41	0.9	29	355	3.2
4.0-4.1.....	1	7	1.3	5	51	1.9	34	424	7.0
4.2-4.3.....	14	165	5.2	8	126	4.6	67	955	15.5
4.4-4.5.....	33	402	14.7	30	430	13.6	126	1,675	30.5
4.6-4.7.....	89	1,096	40.7	79	1,059	35.8	190	2,507	52.9
4.8-4.9.....	99	1,197	69.0	90	1,246	62.0	183	2,571	75.9
5.0-5.4.....	101	1,238	98.3	119	1,697	97.6	193	2,561	98.8
5.5 or more....	4	74	100.0	4	116	100.0	9	136	100.0
Black									
Total.....	82	766	100.0	68	797	100.0	138	1,778	100.0
Less than 3.5...	-	-	-	-	-	-	-	-	-
3.5-3.9.....	2	18	2.3	3	26	3.3	11	170	9.6
4.0-4.1.....	3	43	7.9	4	43	8.6	11	136	17.2
4.2-4.3.....	10	96	20.4	12	137	25.7	23	252	31.4
4.4-4.5.....	18	179	43.8	16	215	52.7	28	395	53.6
4.6-4.7.....	17	129	60.7	15	150	71.4	34	425	77.5
4.8-4.9.....	22	199	86.6	6	78	81.2	18	225	90.2
5.0-5.4.....	10	102	100.0	12	150	100.0	12	165	99.5
5.5 or more....	-	-	100.0	-	-	100.0	1	10	100.0

See footnotes at end of table.

Table 75. Cumulative percent distribution of serum albumin of females 3-74 years, by age, race, and level of serum albumin: United States, 1976-80—Con.

Race and serum albumin in grams per deciliter	Age								
	25-44 years			45-64 years			65-74 years		
	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent
All races²									
Total.....	1,901	27,725	100.0	1,958	21,351	100.0	1,310	7,552	100.0
Less than 3.5...	2	23	0.1	-	-	-	3	15	0.2
3.5-3.9.....	49	670	2.5	36	336	1.6	37	203	2.9
4.0-4.1.....	87	1,278	7.1	77	617	4.5	82	446	8.8
4.2-4.3.....	194	2,783	17.1	289	2,853	17.8	229	1,399	27.3
4.4-4.5.....	347	5,026	36.3	457	4,944	41.0	373	2,126	55.5
4.6-4.7.....	530	7,837	63.5	540	5,905	68.6	337	1,902	80.7
4.8-4.9.....	402	5,983	86.1	397	4,550	90.0	185	977	93.6
5.0-5.4.....	282	4,013	99.8	179	2,121	99.9	84	484	100.0
5.5 or more....	8	112	100.0	3	23	100.0	-	-	100.0
White									
Total.....	1,820	23,743	100.0	1,703	18,819	100.0	1,157	6,777	100.0
Less than 3.5...	2	23	0.1	-	-	-	1	5	0.1
3.5-3.9.....	39	577	2.5	25	253	1.3	35	195	2.9
4.0-4.1.....	63	940	6.5	57	471	3.8	67	383	8.6
4.2-4.3.....	158	2,247	15.9	223	2,460	16.9	198	1,260	27.2
4.4-4.5.....	285	4,122	33.3	400	4,358	40.1	322	1,859	54.6
4.6-4.7.....	450	6,669	61.4	479	5,248	68.0	303	1,724	80.1
4.8-4.9.....	364	5,449	84.3	355	4,105	89.8	152	891	93.2
5.0-5.4.....	254	3,617	99.6	161	1,901	99.9	79	461	100.0
5.5 or more....	7	101	100.0	3	23	100.0	-	-	100.0
Black									
Total.....	241	3,287	100.0	222	2,041	100.0	135	642	100.0
Less than 3.5...	-	-	-	-	-	-	1	4	0.6
3.5-3.9.....	10	93	2.8	10	80	3.9	2	9	2.0
4.0-4.1.....	21	292	11.7	18	124	10.0	14	61	11.4
4.2-4.3.....	34	477	26.2	41	319	25.6	28	111	28.6
4.4-4.5.....	59	835	51.6	51	517	51.0	47	244	66.7
4.6-4.7.....	65	884	78.5	53	493	75.1	28	128	86.8
4.8-4.9.....	29	389	90.4	32	294	89.5	11	72	97.7
5.0-5.4.....	22	305	99.7	17	214	100.0	4	15	100.0
5.5 or more....	1	11	100.0	-	-	100.0	-	-	100.0

¹ Does not include sample weights for missing values.

² Includes data for races not shown as separate categories.

Table 76. Serum vitamin A levels of males 3-11 years with mean, standard deviation, standard error of the mean, and selected percentiles, by race and age: United States, 1976-80

Race and age	Number of examined persons	Estimated population in thousands	Mean	Standard deviation	Standard error of the mean	Percentile								
						5th	10th	15th	25th	50th	75th	85th	90th	95th
All races ¹						Serum vitamin A in micrograms per deciliter								
3-11 years....	1,315	9,941	34.0	10.65	0.35	22.0	24.0	25.0	28.0	33.0	38.0	41.0	44.0	50.0
3-5 years.....	702	2,689	33.3	12.77	0.55	21.0	23.0	24.0	27.0	31.0	37.0	41.0	45.0	52.1
6-8 years.....	271	3,252	33.4	11.31	0.72	23.0	24.0	25.0	27.0	31.0	37.0	40.0	42.0	47.0
9-11 years....	342	4,000	34.9	8.19	0.47	22.0	25.0	27.0	30.0	35.0	39.0	42.0	45.0	49.0
White														
3-11 years....	1,085	8,309	34.1	9.71	0.36	22.0	24.0	26.0	28.0	33.0	38.1	41.0	44.0	49.0
3-5 years.....	572	2,203	33.9	12.48	0.61	21.0	23.0	25.0	27.0	31.0	38.0	42.0	46.1	55.0
6-8 years.....	230	2,742	32.8	8.71	0.58	22.0	24.0	25.0	27.0	31.0	37.0	39.0	41.0	45.0
9-11 years....	283	3,365	35.6	8.09	0.54	23.0	26.0	28.0	30.0	36.0	40.0	42.1	46.0	49.1
Black														
3-11 years....	185	1,285	33.1	15.42	1.20	20.0	22.0	23.0	26.0	31.0	36.1	40.0	42.1	52.0
3-5 years.....	103	367	30.1	*14.72	*1.11	19.0	21.0	22.0	24.0	28.0	33.0	37.0	38.1	41.0
6-8 years.....	32	397	*38.1	*21.27	*3.88	*	*	*	27.0	32.0	38.1	*	*	*
9-11 years....	50	521	31.5	*8.44	*1.43	*	22.0	22.0	27.0	31.0	37.0	39.0	40.0	*

¹Includes data for races not shown as separate categories.

Table 77. Serum vitamin A levels of females 3-11 years with mean, standard deviation, standard error of the mean, and selected percentiles, by race and age: United States, 1976-80

Race and age	Number of examined persons	Estimated population in thousands	Mean	Standard deviation	Standard error of the mean	Percentile								
						5th	10th	15th	25th	50th	75th	85th	90th	95th
All races ¹						Serum vitamin A in micrograms per deciliter								
3-11 years....	1,193	9,534	33.1	9.16	0.40	21.0	23.0	25.0	27.0	32.0	38.0	41.0	44.0	48.1
3-5 years.....	589	2,279	31.2	10.78	0.50	19.0	21.0	22.0	25.0	29.0	36.0	39.1	43.0	48.0
6-8 years.....	287	3,313	32.5	9.48	0.67	20.0	23.0	24.0	27.0	31.0	37.0	40.1	44.0	48.0
9-11 years....	317	3,941	34.7	7.47	0.56	24.0	27.0	28.0	30.0	33.1	39.0	42.0	44.1	49.0
White														
3-11 years....	976	8,002	33.3	9.31	0.42	21.0	24.0	25.0	28.0	32.0	38.0	41.1	44.0	49.0
3-5 years.....	483	1,910	31.4	11.27	0.57	18.0	20.0	22.0	25.0	30.0	36.0	40.0	43.1	48.1
6-8 years.....	227	2,742	33.1	9.67	0.70	21.0	23.0	25.0	27.0	32.0	37.0	41.0	44.0	49.0
9-11 years....	266	3,350	34.5	7.42	0.56	24.0	27.0	28.0	30.0	33.0	39.0	42.0	44.1	49.1
Black														
3-11 years....	190	1,308	32.8	7.40	0.80	22.0	24.0	25.0	27.0	32.0	38.0	40.0	42.0	47.0
3-5 years.....	92	300	30.1	*6.96	*0.88	*	22.0	24.0	25.0	29.0	34.1	38.0	39.0	*
6-8 years.....	52	473	30.7	*6.70	*1.21	*	23.0	24.0	27.0	30.0	34.0	38.0	39.0	*
9-11 years....	46	535	36.0	*7.10	*1.18	*	*	29.0	31.0	36.0	40.0	42.0	*	*

¹Includes data for races not shown as separate categories.

Table 75. Cumulative percent distribution of serum albumin of females 3-74 years, by age, race, and level of serum albumin: United States, 1976-80—Con.

Race and serum albumin in grams per deciliter	Age								
	25-44 years			45-64 years			65-74 years		
	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent
All races²									
Total.....	1,901	27,725	100.0	1,958	21,351	100.0	1,310	7,552	100.0
Less than 3.5...	2	23	0.1	-	-	-	3	15	0.2
3.5-3.9.....	48	670	2.5	36	336	1.6	37	203	2.9
4.0-4.1.....	87	1,278	7.1	77	617	4.5	82	446	8.8
4.2-4.3.....	194	2,793	17.1	289	2,853	17.8	229	1,399	27.3
4.4-4.5.....	347	5,026	35.3	457	4,944	41.0	373	2,126	55.5
4.6-4.7.....	530	7,837	63.5	540	5,905	68.6	337	1,902	80.7
4.8-4.9.....	402	5,983	85.1	397	4,550	90.0	165	977	93.8
5.0-5.4.....	282	4,013	99.6	179	2,121	99.9	84	484	100.0
5.5 or more....	8	112	100.0	3	23	100.0	-	-	100.0
White									
Total.....	1,620	23,743	100.0	1,703	18,819	100.0	1,157	6,777	100.0
Less than 3.5...	2	23	0.1	-	-	-	1	5	0.1
3.5-3.9.....	39	577	2.5	25	253	1.3	35	195	2.9
4.0-4.1.....	63	940	6.5	57	471	3.8	67	383	8.6
4.2-4.3.....	156	2,247	15.9	223	2,460	16.9	198	1,260	27.2
4.4-4.5.....	285	4,122	33.3	400	4,358	40.1	322	1,859	54.6
4.6-4.7.....	450	6,669	61.4	479	5,248	68.0	303	1,724	80.1
4.8-4.9.....	364	5,449	84.3	355	4,105	89.8	152	891	93.2
5.0-5.4.....	254	3,817	99.6	161	1,901	99.9	79	461	100.0
5.5 or more....	7	101	100.0	3	23	100.0	-	-	100.0
Black									
Total.....	241	3,287	100.0	222	2,041	100.0	135	642	100.0
Less than 3.5...	-	-	-	-	-	-	1	4	0.6
3.5-3.9.....	10	93	2.8	10	80	3.9	2	9	2.0
4.0-4.1.....	21	292	11.7	18	124	10.0	14	61	11.4
4.2-4.3.....	34	477	26.2	41	319	25.6	28	111	28.6
4.4-4.5.....	59	835	51.6	51	517	51.0	47	244	66.7
4.6-4.7.....	65	884	78.5	53	493	75.1	28	128	86.6
4.8-4.9.....	29	389	90.4	32	294	89.5	11	72	97.7
5.0-5.4.....	22	305	99.7	17	214	100.0	4	15	100.0
5.5 or more....	1	11	100.0	-	-	100.0	-	-	100.0

¹ Does not include sample weights for missing values.

² Includes data for races not shown as separate categories.

Table 76. Serum vitamin A levels of males 3–11 years with mean, standard deviation, standard error of the mean, and selected percentiles, by race and age: United States, 1976–80

Race and age	Number of examined persons	Estimated population in thousands	Mean	Standard deviation	Standard error of the mean	Percentile								
						5th	10th	15th	25th	50th	75th	85th	90th	95th
All races ¹						Serum vitamin A in micrograms per deciliter								
3–11 years	1,315	9,941	34.0	10.65	0.35	22.0	24.0	25.0	28.0	33.0	38.0	41.0	44.0	50.0
3–5 years	702	2,689	33.3	12.77	0.55	21.0	23.0	24.0	27.0	31.0	37.0	41.0	45.0	52.1
6–8 years	271	3,252	33.4	11.31	0.72	23.0	24.0	25.0	27.0	31.0	37.0	40.0	42.0	47.0
9–11 years	342	4,000	34.9	8.19	0.47	22.0	25.0	27.0	30.0	35.0	39.0	42.0	45.0	49.0
White														
3–11 years	1,085	8,309	34.1	9.71	0.36	22.0	24.0	26.0	28.0	33.0	38.1	41.0	44.0	49.0
3–5 years	572	2,203	33.9	12.48	0.61	21.0	23.0	25.0	27.0	31.0	38.0	42.0	45.1	55.0
6–8 years	230	2,742	32.6	8.71	0.58	22.0	24.0	25.0	27.0	31.0	37.0	39.0	41.0	45.0
9–11 years	283	3,365	35.6	8.09	0.54	23.0	26.0	28.0	30.0	36.0	40.0	42.1	46.0	49.1
Black														
3–11 years	185	1,285	33.1	15.42	1.20	20.0	22.0	23.0	26.0	31.0	36.1	40.0	42.1	52.0
3–5 years	103	367	30.1	*14.72	*1.11	19.0	21.0	22.0	24.0	28.0	33.0	37.0	38.1	41.0
6–8 years	32	397	*38.1	*21.27	*3.88	*	*	*	27.0	32.0	38.1	*	*	*
9–11 years	50	521	31.5	*8.44	*1.43	*	22.0	22.0	27.0	31.0	37.0	39.0	40.0	*

¹Includes data for races not shown as separate categories.

Table 77. Serum vitamin A levels of females 3–11 years with mean, standard deviation, standard error of the mean, and selected percentiles, by race and age: United States, 1976–80

Race and age	Number of examined persons	Estimated population in thousands	Mean	Standard deviation	Standard error of the mean	Percentile								
						5th	10th	15th	25th	50th	75th	85th	90th	95th
All races ¹						Serum vitamin A in micrograms per deciliter								
3–11 years	1,193	9,534	33.1	9.16	0.40	21.0	23.0	25.0	27.0	32.0	38.0	41.0	44.0	48.1
3–5 years	589	2,279	31.2	10.78	0.50	19.0	21.0	22.0	25.0	29.0	36.0	39.1	43.0	48.0
6–8 years	287	3,313	32.5	9.48	0.67	20.0	23.0	24.0	27.0	31.0	37.0	40.1	44.0	48.0
9–11 years	317	3,941	34.7	7.47	0.56	24.0	27.0	28.0	30.0	33.1	39.0	42.0	44.1	49.0
White														
3–11 years	976	8,002	33.3	9.31	0.42	21.0	24.0	25.0	28.0	32.0	38.0	41.1	44.0	49.0
3–5 years	483	1,910	31.4	11.27	0.57	18.0	20.0	22.0	25.0	30.0	36.0	40.0	43.1	48.1
6–8 years	227	2,742	33.1	9.67	0.70	21.0	23.0	25.0	27.0	32.0	37.0	41.0	44.0	49.0
9–11 years	266	3,350	34.5	7.42	0.56	24.0	27.0	28.0	30.0	33.0	39.0	42.0	44.1	49.1
Black														
3–11 years	190	1,308	32.8	7.40	0.80	22.0	24.0	25.0	27.0	32.0	38.0	40.0	42.0	47.0
3–5 years	92	300	30.1	*6.96	*0.88	*	22.0	24.0	25.0	29.0	34.1	38.0	39.0	*
6–8 years	52	473	30.7	*6.70	*1.21	*	23.0	24.0	27.0	30.0	34.0	38.0	39.0	*
9–11 years	46	535	36.0	*7.10	*1.18	*	*	29.0	31.0	36.0	40.0	42.0	*	*

¹Includes data for races not shown as separate categories.

Table 78. Serum vitamin A levels of children 3–11 years with age-adjusted mean and standard error of the age-adjusted mean, by poverty status, sex, and race: United States, 1976–80

Sex and race	Poverty status							
	Poverty				Nonpoverty			
	Number of examined persons	Estimated population in thousands ¹	Age-adjusted mean	Standard error of the age-adjusted mean	Number of examined persons	Estimated population in thousands ¹	Age-adjusted mean	Standard error of the age-adjusted mean
			Serum vitamin A in micrograms per deciliter				Serum vitamin A in micrograms per deciliter	
MALE								
All races ²	278	11,653	33.6	0.97	1,003	83,681	34.0	0.37
White	174	7,813	34.5	1.06	891	74,281	34.1	0.37
Black	86	3,288	30.2	*1.07	89	7,241	34.1	*0.51
FEMALE								
All races ²	270	15,951	31.2	0.61	888	84,696	33.6	0.45
White	161	10,696	31.6	0.64	787	75,728	33.7	0.47
Black	98	4,893	31.5	*0.66	85	7,134	33.5	*1.05

¹ Does not include sample weights for unknown poverty index.
² Includes data for races not shown as separate categories.

Table 79. Cumulative percent distribution of serum vitamin A of males 3-11 years, by age, race, and level of serum vitamin A: United States, 1976-80

<i>Race and serum vitamin A in micrograms per deciliter</i>	<i>Age</i>					
	<i>3-11 years</i>			<i>3-5 years</i>		
	<i>Number of examined persons</i>	<i>Estimated population in thousands¹</i>	<i>Cumulative percent</i>	<i>Number of examined persons</i>	<i>Estimated population in thousands¹</i>	<i>Cumulative percent</i>
All races²						
Total.....	1,315	9,941	100.0	702	2,689	100.0
Less than 20	38	249	2.5	24	91	3.4
20-24	141	897	11.5	90	319	15.3
25-29	313	2,171	33.4	193	747	43.1
30-34	344	2,492	58.4	179	668	67.9
35-39	250	2,181	80.4	103	375	81.9
40-44	117	1,017	90.6	51	204	89.4
45-49	47	425	94.9	23	117	93.8
50 or more.....	65	510	100.0	39	167	100.0
White						
Total.....	1,085	8,309	100.0	572	2,203	100.0
Less than 20	28	186	2.2	17	63	2.9
20-24	104	677	10.4	64	227	13.2
25-29	248	1,704	30.9	155	604	40.6
30-34	291	2,103	56.2	153	571	66.5
35-39	213	1,928	79.4	84	310	80.6
40-44	101	898	90.2	42	161	87.8
45-49	45	418	95.3	21	110	92.8
50 or more.....	55	394	100.0	36	158	100.0
Black						
Total.....	185	1,285	100.0	103	367	100.0
Less than 20	8	49	3.8	6	22	5.9
20-24	31	176	17.5	22	73	26.0
25-29	54	374	46.6	31	116	57.6
30-34	42	317	71.3	20	71	77.0
35-39	28	174	84.9	14	49	90.3
40-44	12	91	92.0	6	24	96.8
45-49	2	7	92.6	2	7	98.8
50 or more.....	8	96	100.0	2	4	100.0

See footnotes at end of table.

Table 79. Cumulative percent distribution of serum vitamin A of males 3–11 years, by age, race, and level of serum vitamin A: United States, 1976–80—Con.

Race and serum vitamin A in micrograms per deciliter	Age					
	6–8 years			9–11 years		
	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent
All races²						
Total	271	3,252	100.0	342	4,000	100.0
Less than 20	8	76	2.3	6	81	2.0
20–24	25	289	11.2	26	289	9.2
25–29	67	806	36.0	53	617	24.7
30–34	75	852	62.2	90	971	49.0
35–39	56	719	84.3	91	1,087	76.1
40–44	22	291	93.3	44	523	89.2
45–49	6	62	95.2	18	247	95.4
50 or more	12	158	100.0	14	185	100.0
White						
Total	230	2,742	100.0	283	3,365	100.0
Less than 20	7	69	2.5	4	55	1.6
20–24	23	264	12.1	17	186	7.2
25–29	53	639	35.4	40	462	20.9
30–34	63	721	61.7	75	811	45.0
35–39	51	653	85.6	78	965	73.7
40–44	20	257	95.0	39	481	88.0
45–49	6	62	97.2	18	247	95.3
50 or more	7	77	100.0	12	159	100.0
Black						
Total	32	397	100.0	50	521	100.0
Less than 20	-	-	-	2	27	5.1
20–24	-	-	-	9	103	24.9
25–29	13	160	40.4	10	98	43.7
30–34	10	109	67.8	12	137	70.0
35–39	3	30	75.3	11	96	88.4
40–44	2	33	83.7	4	34	95.0
45–49	-	-	83.7	-	-	95.0
50 or more	4	65	100.0	2	26	100.0

¹ Does not include sample weights for missing values.

² Includes data for races not shown as separate categories.

Table 80. Cumulative percent distribution of serum vitamin A of females 3-11 years, by age, race, and level of serum vitamin A: United States, 1976-80

Race and serum vitamin A in micrograms per deciliter	Age					
	3-11 years			3-5 years		
	Number of examined persons	Estimated population in thousands ¹	Cumulative percent	Number of examined persons	Estimated population in thousands ¹	Cumulative percent
All races²						
Total.....	1,193	9,534	100.0	589	2,279	100.0
Less than 20.....	38	305	3.2	26	140	6.1
20-24.....	142	930	13.0	92	361	22.0
25-29.....	300	2,118	35.2	177	654	50.7
30-34.....	313	2,719	63.7	130	491	72.3
35-39.....	188	1,606	80.5	79	303	85.6
40-44.....	107	1,000	91.0	38	140	91.7
45-49.....	57	471	96.0	26	103	96.2
50 or more.....	48	383	100.0	21	86	100.0
White						
Total.....	976	8,002	100.0	483	1,910	100.0
Less than 20.....	29	214	2.7	21	117	6.1
20-24.....	114	775	12.4	75	299	21.8
25-29.....	237	1,740	34.1	142	539	50.0
30-34.....	257	2,316	63.1	106	405	71.2
35-39.....	159	1,370	80.2	65	259	84.7
40-44.....	90	838	90.7	33	122	91.1
45-49.....	46	385	95.5	23	95	96.1
50 or more.....	44	363	100.0	18	75	100.0
Black						
Total.....	190	1,308	100.0	92	300	100.0
Less than 20.....	4	25	1.9	3	9	3.0
20-24.....	25	132	11.9	15	49	19.3
25-29.....	56	314	36.0	32	103	53.6
30-34.....	49	366	64.0	19	66	75.4
35-39.....	28	228	81.4	14	45	90.4
40-44.....	17	162	93.8	5	18	96.3
45-49.....	9	68	99.0	3	9	99.2
50 or more.....	2	13	100.0	1	2	100.0

See footnotes at end of table.

Table 80. Cumulative percent distribution of serum vitamin A of females 3-11 years, by age, race, and level of serum vitamin A: United States, 1976-80—Con.

<i>Race and serum vitamin A in micrograms per deciliter</i>	<i>Age</i>					
	<i>6-8 years</i>			<i>9-11 years</i>		
	<i>Number of examined persons</i>	<i>Estimated population in thousands¹</i>	<i>Cumulative percent</i>	<i>Number of examined persons</i>	<i>Estimated population in thousands¹</i>	<i>Cumulative percent</i>
All races²						
Total	287	3,313	100.0	317	3,941	100.0
Less than 20	9	128	3.9	3	37	0.9
20-24	34	394	15.8	16	175	5.4
25-29	70	816	40.4	53	648	21.8
30-34	78	869	66.6	105	1,359	56.3
35-39	48	513	82.1	61	789	76.3
40-44	24	311	91.5	45	549	90.2
45-49	12	155	96.2	19	213	95.6
50 or more	12	126	100.0	15	172	100.0
White						
Total	227	2,742	100.0	266	3,350	100.0
Less than 20	6	69	2.5	2	28	0.8
20-24	26	323	14.3	13	154	5.4
25-29	51	654	38.1	44	548	21.8
30-34	61	709	64.0	90	1,202	57.6
35-39	41	443	80.2	53	669	77.6
40-44	22	299	91.1	35	416	90.1
45-49	8	118	95.4	15	172	95.2
50 or more	12	126	100.0	14	161	100.0
Black						
Total	52	473	100.0	46	535	100.0
Less than 20	1	16	3.3	-	-	-
20-24	7	62	16.3	3	21	3.9
25-29	18	150	48.0	6	61	15.4
30-34	15	143	78.3	15	157	44.9
35-39	6	64	91.7	8	120	67.3
40-44	2	12	94.2	10	132	92.0
45-49	3	27	100.0	3	32	98.1
50 or more	-	-	100.0	1	10	100.0

¹ Does not include sample weights for missing values.

² Includes data for races not shown as separate categories.

Table 81. Hemoglobin levels of children 6 months–2 years with mean, standard deviation, standard error of the mean, and selected percentiles, by sex, race, and age: United States, 1976–80

Sex, race, and age	Number of examined persons	Estimated population in thousands	Mean	Standard deviation	Standard error of the mean	Percentile								
						5th	10th	15th	25th	50th	75th	85th	90th	95th
MALE														
All races ¹														
Hemoglobin in grams per deciliter														
6 months–2 years	616	3,926	11.9	0.99	0.06	10.4	10.8	10.9	11.2	11.9	12.5	12.9	13.1	13.6
6–11 months	98	819	11.6	0.83	0.14	*	10.4	10.8	11.0	11.7	12.2	12.4	12.6	*
1–2 years	518	3,107	12.0	1.01	0.07	10.5	10.8	10.9	11.3	12.0	12.6	13.0	13.3	13.6
White														
6 months–2 years	454	3,120	12.0	0.96	0.06	10.5	10.8	11.0	11.3	12.0	12.6	13.0	13.2	13.6
6–11 months	68	646	11.6	0.74	0.12	*	10.8	10.9	11.1	11.7	12.2	12.4	12.6	*
1–2 years	386	2,474	12.1	0.98	0.06	10.5	10.8	11.0	11.4	12.1	12.7	13.0	13.3	13.6
Black														
6 months–2 years	143	589	11.4	*1.02	*0.14	9.7	10.3	10.3	10.8	11.6	12.2	12.5	12.6	12.8
6–11 months	28	121	*11.2	*1.04	*0.42	*	*	*	10.3	11.2	11.9	*	*	*
1–2 years	115	468	11.5	*1.03	*0.12	9.7	10.2	10.7	10.9	11.6	12.2	12.5	12.7	12.8
FEMALE														
All races ¹														
6 months–2 years	570	3,750	12.0	0.96	0.05	10.5	10.9	11.1	11.5	12.0	12.7	12.9	13.1	13.3
6–11 months	109	780	12.0	0.99	0.13	10.3	11.0	11.1	11.5	12.0	12.8	13.1	13.2	13.7
1–2 years	461	2,970	12.0	0.95	0.05	10.5	10.9	11.1	11.5	12.0	12.6	12.9	13.1	13.3
White														
6 months–2 years	460	3,066	12.1	0.92	0.04	10.6	10.9	11.1	11.5	12.1	12.7	13.0	13.1	13.3
6–11 months	95	654	12.1	1.03	0.15	*	10.9	11.1	11.5	12.0	12.8	13.2	13.3	*
1–2 years	365	2,412	12.1	0.89	0.05	10.6	10.9	11.1	11.5	12.1	12.6	12.9	13.1	13.3
Black														
6 months–2 years	96	575	11.7	*1.06	*0.14	*	10.8	11.0	11.3	11.7	12.2	12.7	12.8	*
6–11 months	13	*	*	*	*	*	*	*	*	11.7	*	*	*	*
1–2 years	83	458	11.7	*1.13	*0.16	*	10.7	10.9	11.3	11.7	12.2	12.7	12.9	*

¹Includes data for races not shown as separate categories.

Table B2. Hematocrit levels of children 6 months–2 years with mean, standard deviation, standard error of the mean, and selected percentiles, by sex, race, and age: United States, 1976–80

Sex, race, and age	Number of examined persons	Estimated population in thousands	Mean	Standard deviation	Standard error of the mean	Percentile									
						5th	10th	15th	25th	50th	75th	85th	90th	95th	
MALE															
All races ¹															
Hematocrit in percent															
6 months–2 years	616	3,928	35.3	2.59	0.18	31.0	32.0	32.7	33.7	35.2	37.0	38.0	38.7	40.0	
6–11 months	98	819	34.4	2.55	0.44	*	31.0	31.5	32.7	34.5	36.0	37.0	37.5	*	
1–2 years	518	3,107	35.5	2.56	0.18	31.5	32.2	33.0	34.0	35.5	37.0	38.0	38.7	40.1	
WHITE															
6 months–2 years	454	3,120	35.4	2.51	0.19	31.5	32.2	33.0	33.7	35.2	37.0	38.0	38.7	40.1	
6–11 months	68	646	34.5	2.58	0.44	*	31.2	32.0	33.0	34.5	36.0	37.0	38.1	*	
1–2 years	386	2,474	35.6	2.46	0.18	32.0	32.5	33.0	34.0	35.5	37.0	38.1	39.0	40.0	
Black															
6 months–2 years	143	589	34.5	*2.72	*0.37	30.7	31.0	31.5	32.7	34.7	36.0	37.0	37.2	39.0	
6–11 months	28	121	*33.9	*2.71	*1.15	*	*	*	31.0	33.7	36.0	*	*	*	
1–2 years	115	468	34.7	*2.75	*0.33	30.0	31.2	32.0	33.0	35.0	36.0	37.0	37.2	39.1	
FEMALE															
All races ¹															
6 months–2 years	570	3,750	35.2	2.58	0.13	31.5	32.5	33.0	33.7	35.2	37.0	37.7	38.2	39.0	
6–11 months	109	780	35.6	2.87	0.42	32.0	32.7	33.2	33.7	35.2	37.0	38.5	39.0	40.0	
1–2 years	461	2,970	35.1	2.51	0.16	31.5	32.2	33.0	33.7	35.1	37.0	37.5	38.0	38.7	
White															
6 months–2 years	460	3,066	35.2	2.51	0.13	31.5	32.5	33.0	33.7	35.1	37.0	37.7	38.1	39.0	
6–11 months	95	654	35.6	2.94	0.44	*	32.7	33.1	33.7	35.2	37.0	38.6	39.0	*	
1–2 years	365	2,412	35.2	2.39	0.16	31.5	32.5	33.0	33.7	35.1	37.0	37.5	38.0	38.5	
Black															
6 months–2 years	96	575	35.1	*2.84	*0.35	*	32.2	33.0	33.7	35.2	36.6	37.5	38.2	*	
6–11 months	13	*	*	*	*	*	*	*	*	36.0	*	*	*	*	
1–2 years	83	458	35.0	*2.96	*0.41	*	32.0	32.5	33.7	35.1	36.6	37.2	38.2	*	

¹Includes data for races not shown as separate categories.

Table B3. Red blood cell count of children 6 months–2 years with mean, standard deviation, standard error of the mean, and selected percentiles, by sex, race, and age: United States, 1976–80

Sex, race, and age	Number of examined persons	Estimated population in thousands	Mean	Standard deviation	Standard error of the mean	Percentile								
						5th	10th	15th	25th	50th	75th	85th	90th	95th
MALE														
All races¹														
Red blood cell count $\times 10^{12}$ per liter														
6 months–2 years	612	3,926	4.5	0.41	0.03	3.9	4.0	4.1	4.3	4.5	4.8	5.0	5.1	5.3
6–11 months	96	819	4.5	0.40	0.05	*	4.0	4.1	4.3	4.5	4.8	4.9	5.0	*
1–2 years	516	3,107	4.6	0.42	0.03	3.9	4.0	4.1	4.3	4.5	4.8	5.0	5.1	5.3
White														
6 months–2 years	453	3,120	4.5	0.38	0.03	4.0	4.1	4.2	4.3	4.5	4.8	4.9	5.0	5.2
6–11 months	68	646	4.5	0.34	0.04	*	4.1	4.2	4.3	4.5	4.8	4.9	5.0	*
1–2 years	385	2,474	4.5	0.39	0.03	3.9	4.1	4.2	4.3	4.5	4.8	4.9	5.1	5.2
Black														
6 months–2 years	140	589	4.5	*0.47	*0.06	3.8	3.8	3.9	4.2	4.5	4.8	5.0	5.1	5.4
6–11 months	26	121	*4.4	*0.58	*0.18	*	*	*	3.9	4.4	4.8	*	*	*
1–2 years	114	468	4.5	*0.44	*0.06	3.8	3.9	4.0	4.2	4.5	4.8	5.0	5.1	5.4
FEMALE														
All races¹														
6 months–2 years	561	3,750	4.5	0.36	0.02	3.9	4.0	4.1	4.2	4.4	4.7	4.8	4.9	5.1
6–11 months	106	780	4.6	0.38	0.05	3.9	4.1	4.2	4.3	4.6	4.8	5.0	5.0	5.2
1–2 years	455	2,970	4.4	0.35	0.02	3.9	4.0	4.1	4.2	4.4	4.7	4.8	4.9	5.1
White														
6 months–2 years	454	3,066	4.5	0.35	0.02	3.9	4.0	4.1	4.2	4.4	4.7	4.8	4.9	5.0
6–11 months	92	654	4.5	0.37	0.05	*	4.1	4.1	4.3	4.5	4.8	4.9	5.0	*
1–2 years	362	2,412	4.4	0.34	0.02	3.9	4.0	4.1	4.2	4.4	4.6	4.8	4.9	5.0
Black														
6 months–2 years	93	575	4.5	*0.39	*0.04	*	4.0	4.2	4.3	4.6	4.8	4.9	5.0	*
6–11 months	13	*	*	*	*	*	*	*	*	4.6	*	*	*	*
1–2 years	80	458	4.5	*0.39	*0.05	*	3.9	4.2	4.3	4.5	4.8	4.9	5.0	*

¹Includes data for races not shown as separate categories.

Table 84. White blood cell count of children 6 months–2 years with mean, standard deviation, standard error of the mean, and selected percentiles, by sex, race, and age: United States, 1976–80

Sex, race, and age	Number of examined persons	Estimated population in thousands	Mean	Standard deviation	Standard error of the mean	Percentile									
						5th	10th	15th	25th	50th	75th	85th	90th	95th	
MALE															
All races ¹															
White blood cell count × 10 ⁹ per liter															
6 months–2 years	612	3,926	9.1	3.07	0.13	5.1	5.9	6.4	7.1	8.5	10.7	12.2	13.0	14.5	
6–11 months	96	819	10.2	3.46	0.42	*	6.6	7.0	8.3	9.7	12.3	13.0	13.5	*	
1–2 years	516	3,107	8.9	2.94	0.15	5.1	5.8	6.3	7.0	8.3	10.6	11.5	12.7	14.4	
White															
6 months–2 years	453	3,120	9.3	3.14	0.15	5.3	6.1	6.5	7.2	8.6	10.8	12.3	13.0	14.8	
6–11 months	68	646	10.7	3.63	0.52	*	6.6	7.2	8.4	10.3	12.7	13.5	14.8	*	
1–2 years	385	2,474	9.0	2.97	0.15	5.2	5.9	6.5	7.2	8.4	10.6	11.5	12.7	14.5	
Black															
6 months–2 years	140	589	8.3	*2.61	*0.22	4.5	5.5	5.8	6.6	7.8	9.9	11.3	12.2	13.0	
6–11 months	26	121	*9.3	*2.36	*0.68	*	*	*	8.2	8.3	10.7	*	*	*	
1–2 years	114	468	8.1	*2.64	*0.26	4.5	5.3	5.6	6.1	7.5	9.6	11.2	12.2	14.0	
FEMALE															
All races ¹															
6 months–2 years	563	3,750	9.4	2.99	0.16	5.6	6.1	6.7	7.4	9.0	11.1	12.2	13.1	14.4	
6–11 months	106	780	10.6	3.13	0.34	6.0	6.4	6.7	8.2	10.8	12.4	13.5	14.4	16.1	
1–2 years	457	2,970	9.1	2.88	0.16	5.5	6.1	6.6	7.3	8.7	10.4	11.6	12.5	14.0	
White															
6 months–2 years	455	3,066	9.5	3.07	0.17	5.7	6.3	6.7	7.6	9.1	11.3	12.3	13.1	14.4	
6–11 months	92	654	11.0	3.07	0.40	*	6.4	7.2	9.0	11.2	12.7	13.7	14.4	*	
1–2 years	363	2,412	9.2	2.97	0.18	5.6	6.2	6.7	7.4	8.8	10.6	11.9	12.6	13.9	
Black															
6 months–2 years	94	575	8.5	*2.55	*0.28	*	5.6	5.8	6.9	8.2	9.5	11.0	11.7	*	
6–11 months	13	*	*	*	*	*	*	*	*	7.7	*	*	*	*	
1–2 years	81	458	8.5	*2.47	*0.27	*	5.2	5.8	7.0	8.4	9.5	10.9	11.5	*	

¹Includes data for races not shown as separate categories.

Table 85. Mean corpuscular volume of children 6 months–2 years with mean, standard deviation, standard error of the mean, and selected percentiles, by sex, race, and age: United States, 1976–80

Sex, race, and age	Number of examined persons	Estimated population in thousands	Mean	Standard deviation	Standard error of the mean	Percentile								
						5th	10th	15th	25th	50th	75th	85th	90th	95th
MALE														
All races¹														
Mean corpuscular volume in femtoliters														
6 months–2 years	809	3,926	78.0	6.24	0.38	66.9	70.7	72.4	74.3	78.0	81.9	84.3	86.0	88.0
6–11 months	96	819	76.3	5.69	0.72	*	71.5	72.1	73.3	75.9	79.3	80.6	83.0	*
1–2 years	513	3,107	78.3	6.30	0.39	67.1	70.6	72.5	74.6	78.5	82.2	84.5	86.2	88.2
White														
6 months–2 years	450	3,120	78.4	5.89	0.41	68.8	71.8	73.2	74.9	78.2	81.9	84.4	86.0	88.3
6–11 months	68	646	76.2	5.32	0.78	*	71.9	72.2	73.3	75.7	77.9	81.7	82.9	*
1–2 years	382	2,474	78.8	5.91	0.42	69.1	71.8	73.4	75.4	78.8	82.2	84.5	86.2	88.5
Black														
6 months–2 years	140	589	77.2	*7.04	*0.67	65.6	68.1	69.6	72.7	78.1	82.1	84.3	86.6	87.3
6–11 months	26	121	*77.2	*7.49	*2.08	*	*	*	72.7	79.3	80.6	*	*	*
1–2 years	114	468	77.2	*7.00	*0.67	65.8	68.0	69.6	73.0	77.4	82.2	84.4	86.5	87.3
FEMALE														
All races¹														
6 months–2 years	561	3,750	79.1	5.67	0.35	70.1	72.6	74.0	75.9	79.1	82.2	84.1	85.6	88.0
6–11 months	106	780	78.4	5.66	0.64	70.7	72.2	72.6	74.5	78.6	81.1	83.0	85.1	88.0
1–2 years	455	2,970	79.2	5.67	0.42	70.0	72.8	74.5	76.2	79.4	82.5	84.1	85.6	88.0
White														
6 months–2 years	454	3,066	79.3	5.44	0.34	70.7	72.7	74.4	76.1	79.2	82.5	84.1	85.6	88.1
6–11 months	92	654	78.7	6.02	0.77	*	72.5	72.7	74.7	78.4	81.6	83.5	86.6	*
1–2 years	362	2,412	79.5	5.29	0.39	70.8	73.2	74.8	76.6	79.5	82.6	84.1	85.4	88.1
Black														
6 months–2 years	93	575	77.9	*6.71	*0.88	*	69.5	72.8	74.5	78.8	81.2	84.5	86.0	*
6–11 months	13	*	*	*	*	*	*	*	*	78.8	*	*	*	*
1–2 years	80	458	78.1	*7.30	*1.05	*	69.0	72.9	75.5	78.8	82.1	85.5	86.1	*

¹Includes data for races not shown as separate categories.

Table 86. Mean corpuscular hemoglobin of children 6 months–2 years with mean, standard deviation, standard error of the mean, and selected percentiles, by sex, race, and age: United States, 1976–80

Sex, race, and age	Number of examined persons	Estimated population in thousands	Mean	Standard deviation	Standard error of the mean	Percentile								
						5th	10th	15th	25th	50th	75th	85th	90th	95th
MALE														
All races¹														
Mean corpuscular hemoglobin in picograms														
6 months–2 years	592	3,926	26.3	2.36	0.10	22.1	23.5	24.2	25.1	26.7	27.8	28.4	28.8	29.3
6–11 months	95	819	25.8	2.10	0.22	*	23.5	24.3	24.8	26.0	26.8	27.2	28.2	*
1–2 years	497	3,107	26.4	2.40	0.11	21.7	23.6	24.2	25.2	26.8	27.9	28.5	28.9	29.4
White														
6 months–2 years	438	3,120	26.5	2.17	0.11	22.8	23.9	24.6	25.3	26.8	27.9	28.5	28.9	29.3
6–11 months	67	648	25.7	1.88	0.22	*	23.9	24.3	24.6	25.7	26.9	27.2	28.4	*
1–2 years	371	2,474	26.7	2.20	0.12	22.6	23.9	24.8	25.7	27.1	28.0	28.6	28.9	29.5
Black														
6 months–2 years	138	589	25.7	*2.77	*0.24	20.2	22.2	22.9	24.1	26.3	27.3	28.2	29.0	29.4
6–11 months	28	121	*25.7	*2.97	*0.71	*	*	*	25.1	26.7	26.8	*	*	*
1–2 years	110	468	25.7	*2.74	*0.23	20.8	22.2	22.9	24.0	26.2	27.5	28.3	29.0	29.4
FEMALE														
All races¹														
6 months–2 years	539	3,750	27.0	2.02	0.14	24.0	24.7	25.3	26.0	27.2	28.1	28.7	29.1	29.8
6–11 months	102	780	26.5	2.02	0.19	22.9	24.4	24.8	25.5	26.8	27.7	28.1	28.6	29.5
1–2 years	437	2,970	27.1	2.00	0.16	24.0	25.0	25.4	26.1	27.3	28.3	28.8	29.3	29.8
White														
6 months–2 years	437	3,066	27.1	1.89	0.13	24.2	25.1	25.5	26.4	27.3	28.3	28.7	29.3	29.8
6–11 months	88	654	26.7	2.04	0.22	*	24.6	25.2	25.8	27.0	27.7	28.5	28.7	*
1–2 years	349	2,412	27.2	1.84	0.14	24.2	25.2	25.6	26.5	27.3	28.4	28.8	29.3	29.8
Black														
6 months–2 years	88	575	26.1	*2.44	*0.34	*	23.7	24.4	25.1	26.3	27.6	28.0	28.7	*
6–11 months	13	*	*	*	*	*	*	*	*	25.6	*	*	*	*
1–2 years	75	458	26.3	*2.58	*0.37	*	23.7	24.6	25.5	26.4	27.6	28.5	28.8	*

¹Includes data for races not shown as separate categories.

Table 87. Mean corpuscular hemoglobin concentration of children 6 months–2 years with mean, standard deviation, standard error of the mean, and selected percentiles, by sex, race, and age: United States, 1976–80

Sex, race, and age	Number of examined persons	Estimated population in thousands	Mean	Standard deviation	Standard error of the mean	Percentile								
						5th	10th	15th	25th	50th	75th	85th	90th	95th
MALE														
All races ¹														
Mean corpuscular hemoglobin concentration in grams per deciliter														
6 months–2 years	594	3,926	33.7	1.70	0.15	30.6	31.5	32.1	32.8	33.9	34.9	35.4	35.7	36.1
6–11 months	97	819	33.7	1.86	0.26	*	31.2	31.9	33.1	33.9	34.9	35.5	35.8	*
1–2 years	497	3,107	33.8	1.66	0.14	30.7	31.7	32.2	32.7	33.9	34.9	35.4	35.7	36.1
White														
6 months–2 years	437	3,120	33.9	1.62	0.15	31.2	31.9	32.3	32.9	34.0	35.0	35.5	35.7	36.1
6–11 months	67	646	33.8	1.65	0.25	*	31.4	32.3	33.1	34.2	35.0	35.5	35.6	*
1–2 years	370	2,474	33.9	1.62	0.15	31.4	31.9	32.4	32.9	34.0	35.0	35.5	35.7	36.3
Black														
6 months–2 years	139	589	33.1	*1.89	*0.25	29.9	30.5	31.1	32.3	33.2	34.5	34.7	35.0	35.8
6–11 months	28	121	*33.1	*2.46	*0.66	*	*	*	32.4	33.2	34.3	*	*	*
1–2 years	111	468	33.1	*1.74	*0.21	30.3	30.7	31.2	32.3	33.2	34.5	34.7	34.9	35.5
FEMALE														
All races ¹														
6 months–2 years	544	3,750	34.1	1.72	0.16	31.4	32.2	32.5	33.1	34.2	35.1	35.6	35.9	36.6
6–11 months	103	780	33.8	2.09	0.33	30.4	31.6	32.2	32.6	34.1	35.0	35.6	35.9	37.4
1–2 years	441	2,970	34.1	1.61	0.15	31.6	32.3	32.6	33.2	34.2	35.2	35.6	35.9	36.6
White														
6 months–2 years	440	3,066	34.2	1.64	0.15	31.6	32.4	32.7	33.2	34.4	35.2	35.7	35.9	36.7
6–11 months	89	654	33.9	2.12	0.32	*	32.0	32.3	32.8	34.1	35.1	35.8	36.0	*
1–2 years	351	2,412	34.3	1.49	0.14	31.7	32.6	32.9	33.3	34.4	35.2	35.7	35.9	36.6
Black														
6 months–2 years	90	576	33.3	*1.91	*0.31	*	31.6	31.7	32.4	33.3	34.6	35.2	35.5	*
6–11 months	13	*	*	*	*	*	*	*	*	33.3	*	*	*	*
1–2 years	77	458	33.4	*1.93	*0.32	*	31.7	32.0	32.4	33.4	34.1	35.3	35.6	*

¹Includes data for races not shown as separate categories.

Appendixes

Contents

I. Statistical notes	164
Introduction	164
Survey design	164
Estimation procedures	165
Nonresponse bias	166
Missing data	167
Imputation	168
Measures of variability	168
Analytic methodology	169
Age adjustment	169
II. Glossary of terms	170
III. Analytical methods	172
Hematology	172
Nutritional biochemistry	172

List of appendix tables

I. Sample size and response rates for the Second National Health and Nutrition Examination Survey, by age, sex, and race: United States, 1976–80	165
II. Percent of examined persons with missing blood assessments by assessment and age: Second National Health and Nutrition Examination Survey, 1976–80	166

Appendix I. Statistical notes

Introduction

This report is based on data collected in the second National Health and Nutrition Examination Survey (NHANES II) from February 1976 through February 1980. NHANES II, conducted by the National Center for Health Statistics (NCHS), was a survey of the civilian noninstitutionalized U.S. population (including Alaska and Hawaii) 6 months through 74 years of age. Both interview and examination procedures were used to collect a broad spectrum of demographic, socioeconomic, and morbidity data and related medical and nutritional information. During household interviews, demographic, socioeconomic, and some of the medical history data were obtained from sample persons. Specially designed mobile examination centers, transported to each sample location, provided standardized conditions and equipment for the dietary interview, medical examination, and related clinical tests and procedures.

Survey design

NHANES II utilized a stratified, multistage design that provided for the selection of samples at each stage with a known probability. In hierarchical order, the stages of selection were primary sampling units (PSU's—a PSU is a county or a small group of contiguous counties); census enumeration districts (ED's); segments (a segment is a cluster of households); households; eligible persons; and, finally, sample persons.

The first-stage sampling units selected in the previous National Health Examination Survey and NHANES I surveys were subsets of the sample PSU's in the National Health Interview Survey (NHIS), another major data collection program of NCHS. In NHIS the United States is subdivided into 1,924 PSU's, with 376 of the PSU's being selected for the sample. Sixty-five of these 376 sample PSU's were selected as the NHANES I sample. The PSU's used in previous examination surveys were defined either as a single county or as a group of contiguous counties

(except in certain parts of New England). Many of the larger PSU's were defined as standard metropolitan statistical areas (SMSA's) and often contained several counties. The PSU's that contained several counties and covered a large area were not ideally suited for an examination survey. Attempting to survey large geographic areas from a centrally located examination center created a number of logistical problems. Some examinees had been asked to travel more than 50 miles to be examined, while others had been asked to travel through very congested areas. Many respondents were reluctant to travel under such conditions. The cost of followup visits to the households was also a function of the distance or time from the examination center. The results of an analysis of the response rates for several locations in NHANES I supported these assumptions. The use of smaller areas as PSU's would reduce both the average distance traveled to the examination center by examinees and the cost of the field work. These considerations were the basis for redefining and restratifying the PSU's in NHANES II.

In the NHIS, 156 of the 376 PSU's are self-representing SMSA's. It was these 156 self-representing SMSA's in the NHIS design that were redefined and restratified for the NHANES II design.

For NHANES II, the self-representing PSU's in NHIS were first split along county boundaries. Within each region, each of the counties was classified as being either a self-representing or a non-self-representing PSU. The PSU's that were non-self-representing were further combined into homogeneous classes or strata equal in size to the NHIS strata containing non-self-representing PSU's.

The effect of subdividing the 156 self-representing PSU's in NHIS and redefining the PSU's by using county boundaries resulted in a total of 397 PSU's, of which 198 were defined as self-representing and 199 were defined as non-self-representing. The latter were used to form 43 non-self-representing strata, which were combined with the other 220 non-self-representing PSU's in NHIS. The average population of a self-

representing PSU was reduced from 838,000 to 584,000. The average size of these PSU's was reduced more than 60 percent in area, from 2,185 square miles to 855 square miles.

These 461 first-stage units (NHIS strata) were further stratified into a total of 64 superstrata, and one PSU was selected from each of the superstrata using a modified Goodman-Kish controlled selection technique.⁸ These 64 PSU's represented the geographic locations visited by the mobile examination center during the survey period.

The U.S. Bureau of the Census had the major responsibility for selecting households and sample persons within each of the PSU's. Three sampling frames of housing units were used to select the sample within each PSU. The list frame consisted of all housing units based on the 1970 Census of the Population. An area frame was used in areas with rapid growth (housing units built prior to 1970) and in areas with slow growth (all housing units regardless of year built). A new construction frame was used to supplement the list frame for all places built since 1970. It was also used in about half of the places in the area sample which were experiencing rapid growth.

The second stage of the design consisted of the selection of clusters of households (segments) within ED's. An ED is a geographical area that contains approximately 300 housing units. To oversample persons with low incomes, the ED's within each PSU were stratified into a poverty stratum and a nonpoverty stratum. The poverty strata contained ED's with 13 percent or more of persons below the poverty level, and the nonpoverty strata contained ED's with less than 13 percent of persons below the poverty level as determined by the 1970 Census. ED's within each stratum were selected proportional to their measures of size. To insure sampling reliability, clusters of 16 listed addresses were drawn from the sampling frames and then systematically subsampled at a rate of 1 out of 2 to produce a final segment of 8 household address listings.

At the third stage of sampling a list of all eligible sample persons was made within each selected segment. The sample of persons to be examined was selected so that the younger and older age groups were oversampled and so that approximately one person per sample household was selected. The sampling rates by age are as follows:

Age	Rate
6 months-5 years	3/4
6-59 years	1/4
60-74 years	3/4

Of the 27,801 persons included in the NHANES II sample, 20,322 (73.1 percent) were interviewed and examined. The NHANES II sample size and response data by age, sex, and race are shown in table I. The

Table I. Sample size and response rates for the Second National Health and Nutrition Examination Survey, by age, sex, and race: United States, 1976-80

Age, sex, and race	Total sample size	Interview and examination status			
		Interviewed ¹		Examined	
		Number	Percent	Number	Percent
Total	27,801	25,286	90.95	20,322	73.10
Age					
6-11 months.	444	431	97.07	356	80.18
1-5 years.	4,625	4,445	96.11	3,762	81.34
6-11 years.	2,085	1,963	94.15	1,725	82.73
12-17 years.	2,438	2,304	94.50	1,975	81.01
18-24 years.	2,713	2,597	93.51	2,054	75.71
25-34 years.	3,031	2,773	91.49	2,237	73.80
35-44 years.	2,236	2,005	89.67	1,589	71.08
45-54 years.	2,149	1,866	86.83	1,453	67.61
55-64 years.	3,868	3,330	86.09	2,556	66.08
65-74 years.	4,212	3,632	86.23	2,615	62.09
Sex					
Female	14,395	13,122	91.16	10,339	71.82
Male	13,406	12,164	90.74	9,983	74.47
Race					
White	23,537	21,350	90.71	17,105	72.67
Black	3,653	3,389	92.77	2,763	75.64
Other	611	547	89.53	454	74.30

¹Completed medical history interview.

number of examined persons and population estimates are shown in each detailed table.

A more complete description of the survey design is included in *Vital and Health Statistics, Series 1, No. 15*.⁶

Estimation procedures

Because the design of NHANES is a complex multi-stage probability sample, national estimates are derived through a multistage estimation procedure. The procedure has three basic components: (1) inflation by the reciprocal of the probability of the selection, (2) adjustment for nonresponse, and (3) poststratification by age, sex, and race. A brief description of each component follows.

Inflation by the reciprocal of the probability of selection

The probability of selection is the product of the probabilities of selection from each stage of selection in the design: PSU, segment, and sample person.

Adjustment for nonresponse

The estimates are inflated by a multiplication factor that brings estimates based on examined persons up to a

NOTE: A list of references follows the text.

level that would have been achieved if all sample persons had been examined. The nonresponse adjustment factor was calculated by dividing the sum of the reciprocals of the probability of selection for all selected *sample* persons within each of five income groups (under \$6,000; \$6,000–9,999; \$10,000–14,999; \$15,000–24,999; and \$25,000 and over), three age groups (6 months–5 years, 6–59 years, and 60–74 years), four geographic regions, and within or outside SMSA's by the sum of the reciprocals of the probability of selection for *examined* sample persons in the same income, age, region, and SMSA groups. The percent distribution of the nonresponse adjustment factors is as follows:

Size of factor	Percent distribution
Total.....	100.0
1.00–1.24.....	26.8
1.25–1.49.....	54.8
1.50–1.74.....	10.9
1.75–1.99.....	4.4
2.00–2.49.....	2.2
2.50–2.99.....	0.9

Poststratification by age, sex, and race

The estimates were ratio adjusted within each of 76 age-sex-race cells to independent estimates, provided by the U.S. Bureau of the Census, of the population as of March 1, 1978, approximate midpoint of the survey. The ratio adjustment used a multiplication factor in which the numerator was the U.S. population and the denominator was the sum of the weights adjusted for nonresponse for examined persons. This ratio estimation

process brings the population estimates into close agreement with the Census Bureau's estimates of the civilian noninstitutionalized population of the United States, and in general reduces sampling errors of NHANES II estimates.

Nonresponse bias

In any health examination survey there exists the potential for three levels of nonresponse: (1) household interview nonresponse, (2) examination nonresponse, and (3) item nonresponse. Household interview nonresponse occurs when the household medical history questionnaire is not completed. Examination nonresponse occurs when those sample persons who respond to the household questions do not come to the examination center for an examination. Item nonresponse results when sample persons do not complete some portion of either the household interview questionnaires or the examination protocol. Intense efforts were undertaken during NHANES II to develop and implement procedures and inducements that would reduce all types of nonresponse and thereby reduce the potential for bias in the survey estimates.

These procedures are discussed in "Plan and Operation of the Second National Health and Nutrition Examination Survey, 1976–1980," *Vital and Health Statistics, Series 1, No. 15*.⁶ In NHANES II there was a 9 percent (table I) medical history interview nonre-

NOTE: A list of references follows the text.

Table II. Percent of examined persons with missing blood assessments by assessment and age: Second National Health and Nutrition Examination Survey, NHANES II, 1976–80

Age	Number of examined persons	Assessment				
		Hemoglobin	Hematocrit	Red blood cell count	White blood cell count	Mean corpuscular volume
Percent						
01 Total.....	20,322	6.6	6.6	7.3	7.2	7.5
02 6–11 months.....	356	41.9	41.9	43.3	43.3	43.3
03 1–2 years.....	1,417	30.9	30.9	31.5	31.3	31.7
04 3–5 years.....	2,345	17.4	17.4	18.0	18.0	18.0
05 6–8 years.....	843	10.9	10.9	11.5	11.6	11.5
06 9–11 years.....	882	5.4	5.4	6.8	6.6	6.9
07 12–14 years.....	991	4.3	4.3	4.8	5.0	4.9
08 15–17 years.....	984	1.9	1.9	3.2	2.8	3.3
09 18–24 years.....	2,054	2.0	2.0	2.6	2.5	2.6
10 25–34 years.....	2,237	1.0	1.0	1.7	1.6	1.9
11 35–44 years.....	1,589	0.9	0.9	1.8	1.6	1.9
12 45–54 years.....	1,453	0.6	0.6	1.2	1.1	1.4
13 55–64 years.....	2,556	1.2	1.2	1.8	1.8	2.1
14 65–74 years.....	2,615	1.1	1.1	1.9	1.6	2.1

¹Data collected only on ages 3–74 years.

²Data collected only on ages 3–11 years.

sponse, and, despite the intense efforts to reduce the number of examination nonrespondents, 27 percent (table I) of the 27,801 persons selected for NHANES II were not examined. A comparison of the 1976 National Health Interview Survey (NHIS)⁹ and NHANES II¹⁰ suggests that there is not a large nonresponse bias in several health-related variables because of the close agreement on selected interview items in NHANES II data with comparable items in the 1976 NHIS data. The 1976 NHIS data were used for the comparison because that survey included questions on diabetes (of interest in NHANES II) and because the nonresponse was 4 percent. It is assumed that the 4 percent nonresponse was randomly distributed.

Data from earlier studies also suggest no substantial nonresponse bias. An analysis of data on examined and nonexamined (but interviewed) persons was done using the first 35 locations of NHANES I.¹¹ It was found that the two groups were quite similar with respect to health characteristics being compared. In another study of examined and nonexamined persons selected for participation in NHANES I, no differences were found between the two groups with respect to health related variables.¹² In another study¹³ factors relating to response in cycle I of NHES of 1960–1962 were investigated. It was found that 36 percent of the nonexamined persons in that survey viewed themselves as being in excellent health compared to 31 percent of examined persons. A self-appraisal of being in poor health was made by 5 percent of nonexamined persons and by 6 percent of those who were examined.

NOTE: A list of references follows the text.

Another study of cycle I¹⁴ comparisons between two extreme groups, those who participated in the survey with no persuasive effort and those who participated only after a great deal of persuasive effort, indicated that differences between the two groups generally had little effect on estimates based on numerous selected examination and questionnaire items. This was interpreted as evidence that no large bias exists between the two groups for the items investigated and was offered as further support for the belief that there is little bias introduced to the findings because of differences in health characteristics between examined and nonexamined persons.

Missing data

Examination surveys are subject to a loss of information not only through the failure to examine all sample persons, but also from the failure to obtain and record all items of information for examined persons. This item nonresponse is the second level of nonresponse. Table II presents the percent of missing values by blood assessment and age group in NHANES II.

The missing data are the result of several problems such as unsuccessful venipuncture, loss of blood in shipping, broken equipment, and laboratory values out of quality control limits. The unsuccessful venipunctures occurred most frequently in children ages 6 months–5 years. Unacceptable laboratory data for one or more stands (PSU's) occurred for the following determinations: serum albumin, serum vitamin A, and serum total iron-binding capacity.

Table II. Percent of examined persons with missing blood assessments by assessment and age: Second National Health and Nutrition Examination Survey, NHANES II, 1976–80—Con.

Assessment—Con.											
Mean corpuscular hemoglobin	Mean corpuscular hemoglobin concentration	Erythrocyte Protoporphyrin	Serum iron	Serum total iron-binding capacity	Transferrin saturation	Serum zinc ¹	Serum copper ¹	Serum vitamin C ¹	Serum albumin ¹	Serum vitamin A ²	
Percent—Con.											
9.8	9.4	10.3	13.6	22.8	22.9	20.4	21.1	14.8	16.7	38.4	01
44.7	43.8	60.4	91.6	93.3	93.5	...	...	...	...	...	02
34.1	33.8	44.4	61.7	67.9	67.9	...	...	...	...	...	03
20.5	19.9	23.3	32.9	42.7	42.8	49.6	49.8	47.7	55.9	44.9	04
13.9	13.4	14.0	19.8	30.7	30.8	33.9	33.6	36.7	49.3	33.8	05
10.2	9.2	9.0	10.9	20.9	21.0	24.8	24.3	29.6	44.6	25.3	06
8.1	7.8	5.9	7.3	18.9	19.1	20.7	23.1	12.1	10.6	...	07
6.0	5.3	3.2	3.9	19.0	19.0	15.8	17.3	8.0	7.6	...	08
5.0	4.6	3.9	4.1	12.5	12.8	16.2	17.9	7.4	7.4	...	09
4.5	4.2	3.3	3.1	11.2	11.3	13.0	13.8	6.9	5.5	...	10
3.8	3.1	2.8	2.5	11.1	11.4	12.5	13.1	5.9	5.2	...	11
3.7	3.4	2.9	2.8	11.6	11.7	12.5	12.9	6.6	5.3	...	12
4.2	4.1	3.3	3.2	12.8	13.0	13.7	14.4	6.7	6.7	...	13
4.1	3.5	3.5	3.7	12.8	13.1	15.2	15.1	7.5	7.1	...	14

Imputation

If either hemoglobin (Hb) or hematocrit (Hct) values were missing, but not both, a value was imputed for the missing item using the other known value. For missing Hb and known Hct values:

$$\text{Hb} = 0.34 \times \text{Hct}$$

For missing Hct and known Hb values:

$$\text{Hct} = 2.95 \times \text{Hb}$$

These formulas were derived from an analysis of the relationship of hemoglobin and hematocrit values for the NHANES II sample persons with known results. Imputations were done for 30 hematocrit values and 535 hemoglobin values. No imputations were done for any other biochemical variables in this report.

Measures of variability

Because the statistics presented in this report are based on a sample, they will differ somewhat from the figures that would have been obtained had a complete census been taken using the same survey instruments, instructions, interview and examination personnel, and procedures. The probability design of this survey permits the estimation of standard deviations and errors that correspond to the use of weighted estimates derived from the highly clustered, multistage probability sample of the U.S. civilian noninstitutionalized population. The reader should be aware that estimates of variances and standard errors from this type of design are different from and generally larger than standard errors calculated under the assumption of simple random sampling.

Standard deviations

The standard deviation is a measure of the dispersion of the observations in a sample, and is useful in describing how an individual observation compares to the mean of the sample. As calculated for this report, it also reflects part of the variation that arises in the measurement process. If the data are normally distributed (that is, Gaussian), then one standard deviation above and below the mean encompasses approximately 68 percent of the distribution; two standard deviations, about 95 percent; and 2½ standard deviations, about 99 percent.

The estimates of standard deviations presented in the detailed tables were calculated using the pseudoreplication method, a balanced half-sample replication technique that is based upon variability among random subsamples of the total sample.¹⁵⁻¹⁶

Standard errors

The standard error is primarily a measure of sampling variability, that is, the variations that might occur by chance because only a sample of the population is surveyed. As calculated for this report, the standard error also reflects part of the variation that arises in the measurement process. Estimates of any bias in the data are not included. The chances are about 68 out of 100 that an estimate from the sample using the same procedures and instruments would differ from a complete census by less than the standard error. The chances are about 95 out of 100 that the differences would be less than twice the standard error and about 99 out of 100 that it would be less than 2½ times as large.

Estimates of the standard errors of the means used in this report are shown in the appropriate detailed table. The standard errors of the difference between two means are not presented. These standard errors of the differences (assuming independence of the estimated means) can be calculated in the following way. Let SE_1 and SE_2 be the estimated standard errors of two subpopulation means \bar{X}_1 and \bar{X}_2 . Let $d = \bar{X}_1 - \bar{X}_2$ be the estimate of the difference between the two subpopulation means. The standard error of d is estimated by

$$SE_d = \sqrt{SE_1^2 + SE_2^2}$$

These estimates have been prepared by a balanced repeated replication technique¹⁵⁻¹⁶ that yields overall variability through observation of variability among random subsamples of the total sample. However, the standard errors of the age-adjusted means were calculated using a Taylor series linearization method.¹⁷ This process approximates the variance of nonlinear (or linear) statistics (for example, means and proportions) using the first two terms of a Taylor series expansion. If the higher order terms of the expansion are negligible and the sample is of a reasonable size for the domains of interest, then this approximation provides variance estimates as reliable as those from the pseudoreplication method adapted for use in the analyses of NHANES II data.¹⁸

The estimated standard errors do not reflect any residual bias that might still be present after the correction for nonresponse. The need for the balanced repeated replication or linearization technique for estimating standard errors arises because of the complexity of NHANES II sample survey design, which makes it inappropriate to calculate standard errors by a technique that does not take into consideration a complex sample design. It should be noted that the estimates of standard errors are themselves subject to errors that may be large when the number of cases is small or when the number of strata with observations in both paired PSU's is small.

NOTE: A list of references follows the text.

Analytic methodology

In this report, a two-tailed 95 percent confidence interval for the mean is defined as $\bar{X} \pm 2.33(SE)$ if the standard error of the mean has an asterisk beside it and $\bar{X} \pm 2.07(SE)$ if the standard error of the mean has no asterisk beside it. The two-tailed 95 percent confidence interval for the difference between two means is defined as $\hat{d} \pm 2.07(SE_{\hat{d}})$ in all cases. These formulas are

NOTE: A list of references follows the text.

based on unpublished work from the National Center for Health Statistics.¹⁹

Age adjustment

The age-adjusted mean values for each biochemical determination by poverty status are presented in this report. These mean values were calculated by the direct method and were adjusted to the age distribution of the U.S. civilian noninstitutionalized population at the mid-point of NHANES II using a computer program.¹⁶

Appendix II. Glossary of terms

Age.—Was recorded twice for each examinee: age at last birthday prior to the time of examination and age at the time of the census interview. The age criterion for inclusion in the sample used in this survey was defined as age at the time of census interview. The adjustment and weighting procedures used to produce national estimates were based on age at the interview. Data in the detailed tables and text of the report are also shown by age at time of interview.

Race.—Was observed and recorded as “white,” “black,” or “other.” Other includes Japanese, Chinese, American Indian, Korean, Eskimo, and all races other than white and black. Persons of Mexican descent were included with “white” unless definitely known to be American Indian or of another race. Black persons and persons of mixed black and other parentage were recorded as black. When a person of mixed racial background was uncertain about his or her race, the race of the father was recorded.

Sex.—Was recorded as observed by the interviewers.

Annual family income.—Was determined by asking the respondent to select one of 12 income categories listed on a card that represented his or her total combined family income for the past 12 months. Respondents were asked to include income from all sources such as wages, salaries, social security or retirement benefits, help from relatives, and rent from property.

Poverty index.—Was determined by the Poverty Income Ratio (PIR). Poverty statistics published in the Census Bureau reports^{20–24} were based on the poverty index developed by the Social Security Administration (SSA) in 1964. (For a detailed discussion of the SSA poverty standards, see references 25 and 26.) Modifications in the definition of poverty were adopted in 1969.²⁷ The standard data series in poverty for statistical use by all executive departments and establishments has been set.²⁸

The two components of the PIR are the total income of the household (numerator: the median of the income

group for incomes \$7,000 and above; the sum of the component parts of the income questions for incomes under \$7,000) and a multiple of the total income necessary to maintain a family with given characteristics on a nutritionally adequate food plan²⁰ (denominator). The dollar value of the denominator of the PIR is constructed from a food plan (economy plan) necessary to maintain minimum recommended daily nutritional requirements. The economy plan is designated by the Department of Agriculture for “emergency or temporary use when funds are low.” For families of three or more persons, the poverty level was set at three times the cost of the economy food plan. For smaller families and persons living alone, the cost of the economy food plan was adjusted by the relatively higher fixed expenses of these smaller households.

The denominator or poverty income cutoff adjusts the family poverty income maintenance requirements by the family size, the sex of the family head, the age of the family head in families with one or two members, and the place of residence (farm or nonfarm). Annual revisions of the poverty income cutoffs are based on the changes in the average cost of living as reflected in the Consumer Price Index.

The annual income considered to be the poverty level increases as the family size increases. A family with any combination of characteristics and with the same income has been designated as having a PIR or poverty level of 1.0. The same family with twice the income would have a PIR of 2.0. Ratios of less than 1.0 can be described as “below poverty level,” ratios equal to or greater than 1.0, as “at or above poverty level.”

Poverty thresholds are computed on a national basis only. No attempt has been made to adjust these thresholds for regional, State, or other variations in the cost of living (except for the farm, nonfarm difference). None of the noncash public welfare benefits such as food stamp bonuses are included in the income of the low-income families receiving these benefits. PIR has been adjusted by year and accounts in some part for inflation.

NOTE: A list of references follows the text.

Tables of weighted average threshold poverty cut-offs for 1976 through 1980 have been published.²⁹

Hematocrit (packed cell volume).—Measures the volume of red blood cells in a given volume of blood.³⁰ Hematocrit level is often used as a diagnostic screening tool for nutritional or iron deficiency.³¹ This measurement alone is not conclusive in detection of iron deficiency although it is useful in the diagnosis of anemia, for which there are many additional causes.

Hemoglobin concentration.—Is the red, iron-containing chromoprotein within a circulating mature red blood cell that has the primary physiologic function of oxygen transport and also plays a role in carbon dioxide transport. Measurement of hemoglobin itself is a direct means of determining the presence of anemia, which is most frequently associated with iron deficiency.

Red blood cell count (RBC).—Is the number of red blood cells in a given volume of blood. A red blood cell is a hemoglobin-containing, deformable, biconcave disk composed of protein-lipid stroma with a lipid peripheral cell membrane. The mature cells do not contain a nucleus.

White blood cell count (WBC).—Is the number of white blood cells in a given volume of blood. These are nucleated cells that do not contain hemoglobin. White blood cells vary in morphology, function, and chemistry.³⁰

Mean corpuscular volume (MCV).—Is the average volume of the red blood cells in a given sample of blood; the MCV is expressed in femtoliters (10^{-15} L) and is calculated as follows:

$$\text{MCV} = \frac{\text{hematocrit (in percent)}}{\text{RBC per liter} \times 100}$$

Mean corpuscular hemoglobin (MCH).—Is the average amount of hemoglobin by weight in the red blood cells of the sample; the MCH is expressed in picograms (10^{-12} g) and is calculated as follows:

$$\text{MCH} = \frac{\text{hemoglobin (in g/dL)} \times 10}{\text{RBC per liter}}$$

Mean corpuscular hemoglobin concentration (MCHC).—Is the average concentration of hemoglobin (weight/volume) in the red blood cells of the sample of blood; the MCHC is expressed in grams per deciliter and is calculated as follows:

$$\text{MCHC} = \frac{\text{hemoglobin (in g/dL)} \times 100}{\text{hematocrit (in percent)}}$$

NOTE: A list of references follows the text.

Erythrocyte protoporphyrin (EP).—Combines with iron to form heme, a constituent of hemoglobin in the blood. It consists of four substituted methyl pyrrole rings linked by methylene bridges. Erythrocyte protoporphyrin is elevated in iron deficiency anemia and lead toxicity.

Serum iron.—Is the measure of the iron level in serum. The determination of serum iron is useful in detecting iron-deficient states. Low levels of serum iron are found not only in iron-deficiency anemia but also often in individuals who are suffering from infectious or chronic inflammatory diseases, or cancer.³⁰

Serum total iron-binding capacity (TIBC).—Is the measure of the amount of iron a given serum sample can maximally contain. It permits some distinction to be made between iron deficiency, in which values are usually elevated, and infectious, chronic inflammatory diseases and neoplastic diseases, in which values are often depressed.

Transferrin saturation.—Is an estimation of the degree of saturation of the iron transport protein. This determination is more useful than serum iron or TIBC alone in the detection of iron deficiency. In iron deficiency anemia, the percent transferrin saturation is usually low; in infections, which often show a low serum iron value, the percent transferrin saturation value is more likely to be only moderately depressed.³¹

Serum zinc.—Is one of a group of minerals commonly termed "trace elements" because they are supplied in the diet in micro quantities.³¹ The major portion of the element in blood is found in the red blood cell, rather than in serum. The symptoms of zinc deficiency first reported in man were growth retardation and hypogonadism.³¹

Serum copper.—Is an essential mineral for all mammals.³¹⁻³³ However, definite copper deficiency in man does not appear to occur under ordinary dietary conditions.^{31,34} The requirement (2-5 mg/day) can be met by most diets.³⁰ Copper deficiency in infants is associated with anemia, neutropenia, and skeletal lesions similar to those seen in scurvy.^{31,35,36}

Serum vitamin C.—Is an important factor in normal cell function. This water soluble vitamin serves as a regulatory cofactor in the metabolism of some amino acids and folacin, in iron transport, and is essential in the synthesis of connective tissue constituents, such as collagen and intercellular substances.³²

Serum albumin.—Is an essential constituent of every living cell and, next to water, the major component of the body tissue as measured in the serum proteins.

Serum vitamin A.—Is a fat soluble vitamin having a multiplicity of functions, but only its role in vision is well understood. It is needed for the normal development of many epithelial tissues, including those that line the respiratory and digestive tracts, numerous glands and their ducts, and the surface of the eye.³²

Appendix III. Analytical methods

Hematology

The hemoglobin determinations were performed on a Coulter hemoglobinometer. Hematocrit determinations were performed by the spun microhematocrit method.

Cell counts were performed on a Coulter Model FN. The hematologic indexes (MCV, MCH, and MCHC) were computer generated using the spun microhematocrit value. MCV values derived by electronic counter (Coulter) are measured directly and are likely to give somewhat different results from those presented in this report. More detailed descriptions of these methods have been published.^{37,38}

Nutritional biochemistry

Erythrocyte protoporphyrin^a

1. *Principle.*—Erythrocyte protoporphyrin is measured by a modification of the method of Sassa and Granick.³⁹ Protoporphyrin is extracted from EDTA-whole blood into a 2:1 (v/v) mixture of ethyl acetate-acetic acid, then back-extracted into dilute hydrochloric acid. The protoporphyrin in the aqueous phase is measured fluorometrically at excitation and emission wavelengths of 404 and 655 nm, respectively. Calculations are based on a processed protoporphyrin IX (free acid) standard curve. The final concentration of protoporphyrin in a specimen is expressed as micrograms per deciliter of packed red blood cells ($\mu\text{g}/\text{dL}$ RBC); a correction for the individual hematocrit is made.

2. *CDC modifications.*—The following modifications of the original methods are based on CDC optimization experiments: (a) sample size increased from 2 μL to 10 μL ; (b) ethyl acetate-acetic acid and 0.43 mol/L HCl volumes increased from 0.3 mL to 1.0 mL; (c) processed protoporphyrin IX standards used; (d) hydrolysis time for the dimethyl ester decreased from 48 h to 3 h, on the basis of the work of Culbreth et al.,⁴⁰ and (e) 0.43

^aThe methodology described in this section is an excerpt from the manual, *Laboratory Procedures Used by the Clinical Chemistry Division, Centers for Disease Control, for the Second Health and Nutrition Examination Survey (HANES II 1976–1980)*.⁷ Reference numbers in this excerpt have been changed to match the reference list of this report.

NOTE: A list of references follows the text.

mol/L HCl chosen for maximum fluorescent intensity of the extracted protoporphyrin IX.

Serum iron and total iron-binding capacity^a

1. *Principle.*—Serum iron and total iron-binding capacity (TIBC) are measured by a modification of the automated Technicon AAII–25 method, which is based on the procedures of Giovanniello et al.⁴¹ and Ramsey.⁴² Iron is quantitated by measuring the intensity of the violet complex formed in the reaction between ferrozine and Fe(II) in pH 4.7 acetate buffer at 562 nm.

2. *CDC modifications.*—The following modifications to the Technicon AAII–25 method are noted: (a) The reagent concentrations used and their ratios are based in procedures developed at CDC; (b) two standard Technicon AutoAnalyzer I type C dialysis plate assemblies are connected in series to increase the efficiency of dialysis; (c) ferrozine is incorporated into the acetate buffer; and (d) a 50-mm flow-cell is used in the colorimeter to maximize sensitivity.

Transferrin saturation

The transferrin saturation values were computer generated using the examinee's serum iron and total iron-binding capacity (TIBC) values as follows:

$$\begin{aligned} \text{Transferrin Saturation (in percent)} \\ = \frac{\text{Serum Iron}}{\text{TIBC}} \times 100 \end{aligned}$$

Serum albumin^a

1. *Principle.*—This automated method is a direct adaptation of the Technicon AutoAnalyzer II Bromocresol Green method,⁴³ which is based on the procedure of Doumas, Watson, and Biggs.⁴⁴ Bromocresol green dye binds selectively to albumin in human serum. The final dilution of the sample to BCG dye in pH 4.2 succinate buffer is 1:800. The albumin-BCG complex is measured at 630 nm.

2. *CDC modifications.*—The following modifications to the original method are noted: (a) A 60/h 1:1 cam was substituted on the Technicon Sampler IV for the 60/h 9:1 cam specified in the BCG-Albumin AutoAnalyzer II methodology; and (b) all standards are prepared from 99.5% purity human albumin,

fraction V, and all quality control materials are prepared from human serum.

Serum vitamin C^a

1. *Principle.*—The vitamin C method is a modification of the ascorbic acid methodology of Roe⁴⁵ and Kuether,⁴⁶ and measures total vitamin C. Serum is diluted 1:5 (v/v) with metaphosphoric acid to preserve ascorbic acid and to precipitate proteins. Ascorbic acid is converted to dehydroascorbic acid in the presence of thiourea and copper sulfate. Dehydroascorbic acid couples with 2,4-dinitrophenylhydrazine in 9.0 mol/L sulfuric acid to form a *bis*-2,4-dinitrophenylhydrazine derivative. When treated with 65% (v/v) sulfuric acid, this derivative yields a stable brownish-red color, which is measured with a spectrophotometer at 520 nm.

2. *CDC modifications.*—The following modifications to the original method are based on optimization studies performed at CDC: (a) the concentration of sulfuric acid was reduced from 85% to 65%; (b) the incubation temperature was decreased from 37°C to 27°C; and (c) the time of incubation was increased from 4 h to 20 h (overnight).

Serum zinc and copper^a

1. *Principle.*—Serum zinc and copper are measured by atomic absorption spectroscopy by using a CDC optimized method based on procedures from Instrumentation Laboratory, Inc.,⁴⁷ and Perkin-Elmer Corp.⁴⁸ Quantitation is based on the measurement of light absorbed at 213.9 and 324.7 nm, respectively, by ground-state atoms of zinc and copper from hollow-cathode lamp light sources. Serum specimens, standards, and quality control samples are diluted 1:10 with 6% (v/v) *n*-butanol in 0.05 *N* HCl. The diluted samples are aspirated directly into a

flame, and the concentration of zinc or copper is measured by the Perkin-Elmer Model 306 or 4000 atomic absorption spectrophotometer, which is calibrated with zero and 150 µg/dL standards to read directly in concentration units. All lots of materials used for collecting and processing samples have been screened for zinc and copper contamination, and all processing work is performed under laminar-flow hoods.

2. *CDC modifications.*—The following modifications to the standard method are based on CDC optimization experiment: (a) HCl diluent concentration is changed from 0.1 to 0.05 mol/L; (b) for the Model 4000 AAS, 0.25 mL Triton X-100 is added per L of diluent to enhance nebulization; (c) dilution of sample is 1:10 rather than 1:4 to reduce protein clogging of the nebulizer and burner; and (d) a single-slot rather than triple-slot burner is used.

Serum vitamin A^a

1. *Principle.*—Serum vitamin A is quantitated by a modification of Roels' and Trout's⁴⁹ adaption of the method of Neeld and Pearson.⁵⁰ Serum is mixed with ethanolic potassium hydroxide to precipitate the proteins and saponify the retinyl esters. Retinol and carotenoids are then extracted in *n*-hexane and measured spectrophotometrically at 450 nm for quantitation of B-carotene. Then the solvent of the extract is evaporated and the residue is dissolved in chloroform. Trifluoroacetic acid is added to this solution and the intensity of the resulting transient blue color is measured at 620 nm. Correction is made for the contribution of carotene at 620 nm.

2. *CDC modifications.*—The following modifications in the method of Roels and Trout⁴⁹ were made: (a) The saponification step was changed from 30 min at 60°C to 10 min at 50°C. (b) Evaporation temperature was changed from 60°C to 25°C. (c) One drop of acetic anhydride was not added to each tube containing chloroform. (d) Readings at 620 nm after TFA was added were made at 8–10 sec instead of 30 sec. (e) Standard curves were run by method of addition to a serum pool. (f) All volumes in the procedure were scaled up by a factor of 2.

^aSee footnote on p. 172.

NOTE: A list of references follows the text.

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