Clifford L. Johnson

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PRELIMINARY FINDINGS OF THE

First Health and Nutrition Examination Survey, United States, 1971-1972:

DIETARY INTAKE AND BIOCHEMICAL FINDINGS

U.S. DEPARTMENT OF
HEALTH, EDUCATION, AND WELFARE
Public Health Service
Health Resources Administration

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Preliminary Findings of the

FIRST HEALTH AND NUTRITION EXAMINATION SURVEY, UNITED STATES, 1971-1972

Dietary Intake and Biochemical Findings

Presents preliminary findings of the Health and Nutrition Examination Survey on the dietary intake and biochemical levels of various nutrients in a probability sample of the U.S. population 1-74 years of age, by age, sex, race, and income level, 1971-72.

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U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE
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National Center for Health Statistics
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COOPERATION OF THE BUREAU OF THE CENSUS

In accordance with specifications established by the National Health Survey, the Bureau of the Census, under a contractual agreement, participated in the design and selection of the sample, and carried out the first stage of the field interviewing and certain parts of the statistical processing.

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PREFACE

Both the title and the "Introduction" section of this report indicate that the data are preliminary. This characterization is made because the data pertain only to about half of the total sample group being studied and represent results of only part of the multifaceted approach used to measure nutritional status. The report, however, does present dietary intake and biochemical findings from a sample that is representative of the total U.S. population.

In the review and analysis of these preliminary data, as in the planning and conduct of the survey, we have had the benefit of assistance from many experts in the area of nutrition. It is not practicable to list all of those to whom we are indebted and grateful but special mention must be made of the advice received from Drs. D. Mark Hegsted, Ruth L. Huenemann, Virginia Vivian, Jean-Pierre Habicht, and Howerde Sauberlich. Special acknowledgement must also be made to the staffs of the related programs at the Center for Disease Control, namely the Laboratory Division under Dr. U. Pentti Kokko (particularly Drs. Hipolito Nino and Robert Schmidt), and the Nutrition Program under Dr. Milton Nichaman. None of these persons, however, bears any responsibility for the content of this report. Responsibility for its accuracy and its conclusions rests with the named authors and with the undersigned who has directed the study from its inception. Finally, important contributions were made by Miss Dorothy M. Youland, R.D., Miss Margaret D. Carroll, Mr. Daniel O'Connell, and Mr. Robert Murphy, all members of our staff. The reader sophisticated in the field of nutrition will be aware from the content of the report that our survey—in methodology, approach, standards, etc.—has drawn heavily from the work carried out by those responsible for the earlier 10 State Nutrition Survey and we gratefully acknowledge our debt to them.

Users of the data in this report are invited to send us any comments and suggestions they feel will be helpful in determining the form and content of the fuller reports which will be prepared when data from the entire sample of 65 "stands" are available. Your letters will receive careful consideration regardless of whether it is possible to reply to them individually.

Arthur J. McDowell, Director
Division of Health Examination Statistics
National Center for Health Statistics

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SYMBOLS

Data not available	---
Category not applicable	...
Quantity zero	-
Quantity more than 0 but less than 0.05	0.0
Figure does not meet standards of reliability or precision	*

PRELIMINARY FINDINGS OF THE FIRST HEALTH AND NUTRITION EXAMINATION SURVEY, UNITED STATES, 1971-1972:

Dietary Intake and Biochemical Findings

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INTRODUCTION

This report presents data on dietary intake and biochemical tests obtained to assess the nutritional status of the U.S. population ages 1 through 74 years. It is the first of several preliminary reports of results obtained in the first Health and Nutrition Examination Survey (HANES).

The HANES Program

The HANES program was undertaken by the National Center for Health Statistics in response to a directive from the Secretary, Department of Health, Education, and Welfare to establish a continuing national nutrition surveillance system under the authority of the National Health Survey Act of 1956. This system has as its purposes the measuring of nutritional status for the U.S. population and monitoring the changes in this status over time. Such a system should permit the use of health data as an objective test of programs to improve nutritional status and should provide an improved basis for allocation of scarce program resources.

The HANES is the first program to collect measures of nutritional status for a scientifically designed sample representative of the U.S. civilian, noninstitutionalized population in a broad range of ages, 1-74 years. Other earlier nutrition surveys, such as the Ten State Nutrition Survey,[1] have had more limited objectives. The probability sample design permits estimates to be made for the total population, while at the same time permitting more detailed analysis of data for certain groups at high risk of malnutrition—the poor, preschool children, women of childbearing ages, and the elderly.[a, 2] This is made possible through use of differential sam-

[a]The poor, for obvious economic reason of lessened ability to obtain needed foods but also perhaps by related lack of knowledge of what constitutes desirable diets, are vulnerable to nutritional deficiencies or imbalances. The relatively high vulnerability of children and pregnant and lactating women results from increased requirements for calories and essential nutrients, such as protein and calcium, in relation to their weight. In children, this is because they are growing, in pregnant and lactating women, because they have to feed an additional being, first the fetus in utero and after birth the newborn infant. Nutrient requirements of the elderly, on the other hand, usually are decreased due to lower basal metabolism and decreased physical activity. Their greater vulnerability may result from such factors as the effects of increased physical disabilities and health problems on their ability to utilize nutrients. It is also conditioned to a larger extent than in younger adults by socioeconomic and psychological factors, including food shopping problems and degree of interest in food preparation.

pling of these high risk groups and appropriate weighting of the data.

The first HANES program began data collection in April 1971 and was in full operation by August. A detailed description of the specific content and plan of operation, including the sample design, has been published,[3] and only the general characteristics are mentioned here. The Bureau of the Census cooperated in the sample design and in the initial visits to and interviewing at selected eligible households in the 65 primary sampling units (PSU's) throughout the United States. Additional household visiting, interviewing, history taking, and explaining the examination portion of the program were performed by members of the field teams of the center. These teams traveled to the various locations and included professional and paraprofessional medical and dental examiners along with technicians, interviewers, and other staff. The selected sample persons for whom an appointment could be made were brought into the specially constructed mobile examination centers which were moved into a central location in each area.

The Subsample for Preliminary Findings

Since the first HANES program is still in the data collection phase, the data presented in this report are preliminary findings. The sample design provided that data from a representative subsample would become available after the first year and a half of data collection in order to provide some preliminary findings before the total survey had been completed. More detailed reports will be forthcoming.

These preliminary findings are based on the examination of 10,126 persons aged 1-74 years in a representative subset of 35 of the 65 PSU's making up the total sample. A sample of 14,147 persons was selected to be examined at these 35 locations which were visited between April 1971 and October 1972. These 14,147 sample persons are a probability sample of the total U.S. population; if a high proportion of them had been examined, the examined group could also have been regarded as a probability sample of the total population. However, despite intensive efforts, the program succeeded in examining only 10,126 of these sample persons. This represents 72.8 percent of the sample persons when adjustments are made for the differential sampling rates for the age, sex, and income defined population subgroups. (The unadjusted overall response rate was 71.6 percent.)

Surveys of the National Center for Health Statistics, including all earlier programs of the Health Examination Surveys, have achieved higher levels of response than have been reached for the 35-stand subsample in this first HANES. The 72.8 percent response rate fails to meet fully the requirements of the original probability design. It should be noted that a policy of remuneration of participants was adopted after the completion of 20 PSU's, and there has been a significant increase in participation.

Estimates in this report are based on weighted observations; i.e., the data obtained for each examined person are inflated to the level of the total population. The estimates have been calculated as though the examined persons in each of several age, sex, and income classes are a random subsample of the sample persons in the same class. While there is evidence from earlier examination surveys and medical history data from HANES that this is not an unreasonable approximation, it is clear that some estimates are subject to considerable risk of bias, when typically more than one-quarter of the sample persons in an age-sex-income class were not examined. Even so, the resulting estimates are much more closely representative of the civilian noninstitutionalized population of the United States than estimates from any previous survey on nutrition.

Measures of Nutritional Status

Nutrition is a major factor in the environment affecting life and health. Adequate intake of essential nutrients is a basic requirement for good health. Utilization of these nutrients under physiological conditions of work and rest through ingestion, digestion, and metabolism is another requirement. Under-nutrition and over-nutrition are both part of malnutrition as both affect health. Primary malnutrition is that due to lack (or excess) of food; secondary malnutrition is that due to faulty utilization of food. A

combination of primary and secondary malnutrition can occur.

The HANES is designed to provide data to assess how adequately these two requirements for good health of the American people are met, i.e., the adequacy of dietary intake and the utilization of this food under ordinary living conditions in relation to the health status of the people.

The early signs of malnutrition may be retarded or accelerated growth, low or extremely high blood and urinary levels of certain nutrients, and less efficient performance. Continued malnutrition, in particular undernutrition, may manifest itself in the appearance of certain physical changes of the skin, hair, eyes, mouth, and tongue; but only prolonged severe malnutrition will lead to the appearance of the classical deficiency diseases, such as scurvy or pellagra. The latter have become rare or nonexistent in our affluent society. The design of the HANES study was predicated on the assumption that the evidence of malnutrition encountered would be mainly early subclinical malnutrition with or without any physical signs.

The measurement methods to assess nutritional status in HANES were intended not only to detect overt signs and symptoms of malnutrition, but also to detect early "risk" signals. The approach taken was the usual one of obtaining four different kinds of data, each of which gives a "sighting" on nutritional status. These are: (1) information on the person's dietary intake (kind and quantity of food consumed and its nutritional value), (2) results of a variety of biochemical tests made on samples of blood and urine to determine the levels of various nutrients, (3) findings of clinical examinations by doctors and dentists alerted to detect stigmata of malnutrition and signs or conditions indicative of nutritional problems, and (4) various body measurements which would permit detection of abnormal growth patterns as well as obesity. Not one of these measures is, in itself, sufficient to characterize nutritional status. Theoretically, some synthesis of the several separate sightings would provide the best measurement and, hopefully, a method for such synthesis ultimately may be developed. At present, however, in the absence of a definitive method of combining the separate measures, it is necessary to present the findings separately from each methodology.

This preliminary report of HANES data presents the findings from the principal measure of dietary intake and from a number of biochemical tests performed.

Although a variety of methods have been developed to estimate food intakes as part of nutritional status or epidemiological studies, a number of practical considerations influenced the selection of the 24-hour recall for the dietary interview over other methods for HANES. Principal among these considerations were the nature of the data-collecting process and the simplicity of the method, the fact that data would be analyzed by groups, and not by individuals, the limitations of interviewing time, the availability of staff and training facilities, and the recruitment potential for interviewers.

Biochemical measurements of specific nutrients (e.g., serum vitamin A) can detect either low or high values indicative of either deficient or excess intake. Deficient intake over a long period of time will lead to depletion of body stores (in the case of vitamin A, mainly liver stores) and eventually clinical, anatomical lesions. Excess intake, if prolonged, may lead to toxicity which also may manifest itself in anatomical lesions. In the case of a low value, particularly if found on repeated examinations, one speaks of a "biochemical lesion." The same term could also be applied to excessively high values, at least for those nutrients known to cause toxicity like vitamin A. Serum iron and total iron binding capacity are indicators of presence or absence of iron deficiency; in conjunction with hematological values (hemoglobin, hematocrit, and red cell count), they indicate presence or absence of iron deficiency anemia. Serum folate levels may indicate folate deficiency with or without anemia of a different nature (megaloblastic anemia). A combination of the two is found not infrequently in pregnancy. Total protein and albumin measure the individual's protein status and possible protein deficiency.

In general, it can be stated that those nutrients which are fat soluble, such as vitamin A, are being stored in the tissues (liver) and these stores

can be mobilized in times of need, e.g., dietary lack. Water soluble nutrients, on the other hand, such as vitamin C (ascorbic acid), can usually not be stored for any length of time and have to be taken either in the food or as a supplement almost daily in order to prevent deficiency. The biochemical measurement of nutrients in the blood (serum or plasma) is at best a crude indicator of the supply of these nutrients. It does not tell us what the nutrient content is in the body tissue stores, such as liver or bone marrow. It is, however, the only feasible method under the circumstances of a field survey.

The size of the sample for this report of preliminary findings precludes analysis of various interrelationships and even of some of the detailed subclassifications of data such as region, urbanization, ethnic group, and educational achievement, matters which will be included in the reports prepared when the total survey is complete. The present report does, however, examine the data by age, sex, race (white and Negro), and income level (above or below poverty level, see appendix II). Special emphasis is also placed on the age-sex groups oversampled because they are considered to be at higher risk of malnutrition (appendix I).

METHODS

Dietary Intakes

A dietary interview is conducted with each sample person to obtain information about his total food and drink consumption during the day preceding his examination. The parent or other adult responsible for the child's feeding provides information about preschool children. Usually both the parent and child are interviewed for subjects ages 6 through 12.

The dietary interview lasts approximately 20 minutes and almost always is conducted at the examination center. Occasionally home visits are made to collect dietary information, usually because the mother did not accompany a young child to the examination. Food portion models are used as memory aids to assist the respondent in estimating amounts of food consumed.[4] A computer program is used to determine the nutrient values of foods consumed. The program for processing the data is adapted from a program developed at Tulane University.[5] It includes the nutritive values of 2,483 food items appearing in the U.S. Department of Agriculture Handbook No. 8, 1963, Table 1,[6] as well as information from other sources. Because of the constantly changing food supply, nutrient values for new food combinations are added or updated continually according to information provided by the U.S. Department of Agriculture and food processors.

Nutrient intakes are usually evaluated in relation to selected dietary intake standards. Such standards, which are estimates of desirable intakes, permit statistical comparisons of the nutritional adequacy of dietary intakes for different population groups. The set of standards for the evaluation of the HANES dietary data was developed with advice from an *ad hoc* advisory group which considered standards from the World Health Organization,[7] Interdepartmental Committee on Nutrition for National Defense Manual,[8] National Research Council Food and Nutrition Board Recommended Dietary Allowances,[9] and those used in the Ten State Nutrition Survey.[1] The standards used for the HANES dietary data are shown in appendix III, table VI.

Caloric and protein standards take account of the weight of an individual. In the vast majority of cases, the actual weight recorded at the time of examination was used. For a small number of cases (17 individuals or less than 0.1 percent) in which the weight of a respondent was not available, appropriate caloric and protein standards were used in conjunction with "standard" weights by height, sex, and age. For children ages 1 through 5 and 17 through 19 years, the standards are the same as those used in the Ten State Nutrition Survey[1] and are averaged from Falkner's Growth Chart.[10] For individuals at other ages, use was made of 50th percentile values (medians) from earlier Health Examination Surveys made by the National Center for Health Statistics.[11-13]

Dietary intake measurements considered in this report are: calories and selected nutrients including protein, calcium, iron, and vitamins A and C. Riboflavin, thiamine, and niacin will be presented in the final report. Appendix III, table

V, shows food sources of selected nutrients, their functions, and physiological problems associated with nutrient deficiency.

Biochemical Tests

The Nutritional Biochemistry Section of the Center for Disease Control (CDC) performed all HANES laboratory work. The laboratory was also instrumental in developing procedures for obtaining and shipping the specimens and the quality control procedures used in the field.

The selection of biochemistry tests for the nutrition component of HANES was made after consultation with hematologists, biochemists, nutritionists, and clinical pathologists. The selection was based also on other criteria, including that the test be in general use and adaptable to specimen shipment over long distances, that the number of abnormal values expected in the general population not be extremely small, and that a period of fasting not be required before taking a sample of blood and urine from the examinee.

Hematological determinations for all sample persons included hematocrit, hemoglobin, and red and white cell count. Nutritional biochemistry was performed on specimens of serum or plasma and consisted of determinations of serum vitamins A and C, serum iron, total iron binding capacity, serum folates, total serum protein, serum albumin, serum magnesium, and serum cholesterol.

A casual urine specimen using reagent strips was included for testing pH and for the presence or absence of blood, albumin, and glucose. The same specimen was acidified and frozen and then sent to the CDC laboratory for determinations of creatinine, thiamine, riboflavin, and iodine. The last three substances are related to creatinine in terms of per gram of creatinine in the analysis.

This report presents the findings from most of the biochemical tests made in HANES: hemoglobin, hematocrit, serum iron, percent transferrin saturation, total serum protein, serum albumin, and serum vitamin A. Total iron binding capacity determinations were done to be used in the calculations to obtain percent transferrin saturation measurements, an index of iron deficiency: (serum iron/total iron binding capacity) X 100. Results for serum vitamin C, serum folates, red and white cell counts, serum magnesium, serum cholesterol, and all urinary tests will be presented in the final reports.

For classification and interpretation of biochemical data for groups, the guideline values used in HANES differ only slightly from those of the Ten State Nutrition Survey.[1] Data are grouped into classes designated as "low," "acceptable," and "high." The low cutting points are used to indicate the prevalence for groups who are more likely to be at risk of developing nutritional deficiency diseases. These standards are shown in appendix III, table VII. The methodology used to obtain laboratory data is shown in appendix III, table VIII.

Definitions of Variables

For both measurements of nutritional status—dietary intake and biochemical tests—sufficient numbers are available for presenting six age groups. These groupings include 1-5, 6-11, 12-17, 18-44, 45-59, and 60 years and over. The sample size precluded further breakdown of age groups. All age groupings are presented by race and income levels. The age group 18-44 years has sufficient numbers in each sex group to present a cross-classification by sex, race, and income levels.

Race was recorded as white, Negro, and other races. Whites were 72.6 percent of the total sample size of 10,126 persons; and Negroes were 26.3 percent, which reflected the sampling design to over represent them in HANES. There were too few numbers for other races, only 1 percent, and therefore, no data are presented separately for them. Other races are included only when the total subjects are used but are not used in the white-Negro breakdowns.

Income status is another population characteristic considered when nutritional data are presented because the quantity and quality of dietary intake has been known to be associated with level of income. The income status for each examined person is expressed by the Poverty Income Ratio (PIR) (see appendix II). One major limitation to the PIR is that differences in

cost of living in different sectors of the country are not considered.

For the analysis, two groups of income levels are presented: income below poverty level, a ratio of less than one; and income at and above poverty level, a ratio of one or more. Small numbers preclude the analysis of nutrition data by further gradation of incomes in both income groups. There were 4.7 percent of the total persons examined with unknown income information. These persons were excluded from the two income classification groups, but they were included in the total group. Eighty-five percent of persons with incomes below the poverty level had a total family cash income of less than $3,000.

Caloric and protein standards.—The caloric and protein standards used in HANES are based on each individual's weight for age and sex. At this time, these standards do not account for amount of activity or for weight status, that is, under- or overweight measured by height, weight, and skinfolds. Thus the standard can include too many calories for those who are relatively inactive and overweight; it can also be low for those who are extremely active and underweight. In the past few decades, the caloric needs of U.S. residents have declined steadily due to changing life styles with consequent lowered energy expenditures. Each revision of the Recommended Dietary Allowances published by the National Research Council since 1958 has included decreased caloric requirements for adults.

In the preliminary analysis the mean intake as a percent of standard for calories and protein is not presented. This information will be presented in the final reports when such intakes are related to activity and measures of weight status. This procedure will permit a more valid assessment of the adequacy of reported intakes for calories and proteins.

Use of vitamin and/or mineral supplements and oral contraceptives.—Interviewers asked each sample person whether vitamin or mineral supplements were taken. Information was obtained about the type of supplement, but not about specific amounts of nutrients present. These supplements were not, therefore, added to the nutrient intake values of the food consumed.

For the preliminary analysis, the sample sizes precluded any analysis of how vitamin-mineral supplements affected dietary and biochemical findings. Of the 10,126 persons examined, 22 percent took supplements regularly, 10 percent irregularly, and 68 percent never used supplements.

The use of oral contraceptives by women in HANES was recorded. The possible effect on biochemical values will be assessed in the final report.

DIETARY INTAKE RESULTS

Tables 1-7 present the basic dietary intake statistics for examined persons by age for sex, race, and income groups. In addition to listing the number of persons examined and estimated number in the United States population, the tables include the mean, median, and mean nutrient intake as a percent of standard. The latter is another way of looking at the distribution of nutrient levels. Estimates of the standard errors of the means are presented in appendix I, table II.

The mean nutrient intake as a percent of standard levels observed in the subgroups shown in tables 1-7 is graphically shown in figures 1-4. Tables 8-14 present nutrient intake by age for sex, race, and income groups in terms of intake per 1,000 calories. This measure indicates the extent to which the adequacy of the diet is either a function of total caloric intake or dependent upon specific choices of foods with high nutrient content (higher density).

Tables 15-32 present the cumulative percentage distribution data of selected nutrients for three age groups deemed to be at high risk with regard to nutrition: preschool children of ages 1-5 years, women of childbearing ages 18-44 years, and adults of ages 60 years and over. These data are also presented by race for the two income groups and by sex and race for the 18-44 year age group.

Caloric Intakes

White persons in the income group above poverty level had the highest caloric intakes while Negroes in the lower income group had

the lowest intakes (tables 1-7). This was true in all of the age groups for both mean and median values, and the magnitude of the difference was fairly substantial with the lower value generally about 80 percent of the higher value.

A substantial proportion of the persons had low caloric intakes. Intakes of less than 1,000 calories were found for an average of about 14 percent of the white children ages 1-5 years in both income groups, and for about 23 percent of the Negro children of the same age and incomes (table 15). In the lower income group, 27 percent of the white and 36 percent of the Negro adults ages 60 years and over had caloric intakes of less than 1,000 calories. The corresponding figures for white and Negro adults of similar ages in the income group above poverty level were 16 and 18 percent, respectively (table 17).

It must be realized that data from a 24-hour recall will show some individuals with extremely low values whose usual dietary intake would be higher; nevertheless valid comparisons between subgroups can be made. This statement is applicable to all of the dietary intake data, not just calories.

A more meaningful analysis of caloric intake will be done in the final reports when data can be related to activity and weight status, which includes degree of under- or overweight of groups of subjects.

Protein Intakes

White persons under 45 years of age in both income groups had higher mean protein intakes than did Negroes in similar age and income groups. The mean protein intakes for whites of the same age groups averaged about 80.19 gm and ranged from 58.19 gm to 112.62 gm, and for Negroes the values averaged about 69.54 gm and ranged from 52.30 gm to 99.31 gm (tables 2-5). In these age groups, Negroes in the lower income group had the lowest mean protein intake.

In the age group 45-59 years, white adults in the lower income group had the lowest mean protein intake (62.83 gm). This value was considerably lower than those for both racial groups in the income group above poverty level (white, 83.45 gm; Negro, 80.33 gm) (table 6). Income was also related to protein intake in the age group 60 years and over: both racial groups in the income group above poverty level had higher mean intakes than those for the lower income group (table 7).

Mean protein intakes per 1,000 calories showed little or no variation by race or income within most age groups (tables 9-14), indicating that protein consumption was closely related to total caloric intake. An exception was found in the age group 18-44 years, in which white males in the lower income group had the highest mean intake, 42.22 gm (table 12). Another exception was found in the age group 45-59 years. Here, white persons of both income groups reported less protein intake per 1,000 calories, 38.48 gm and 42.30 gm, respectively, than did Negro persons of either the lower or higher income group, 44.73 and 46.60 gm (table 13). Negro adults in this age group had lower mean caloric intakes than those of white adults, yet, based on protein intakes per 1,000 calories, nutrient quality for Negro adults was higher.

Calcium and Vitamins A and C Intakes

Mean nutrient intakes for calcium and vitamins A and C approached (90 to 100 percent of the standard) or were above the standard (see appendix III, table VI) for most age, income, and race groups (tables 1-8 and figures 1, 3-4). This observation was also true for males 18-44 years in all subgroups, but not for Negro females at these ages and in both income groups. Negro females of childbearing age at both income levels had mean calcium intakes below the standards (table 5 and figure 1); the mean vitamin A intakes were also below the standard for white females in the lower income group (table 5 and figure 3).

In all age groups and at both income levels, the mean calcium values were consistently higher for whites than for Negroes. Yet, the mean calcium intakes per 1,000 calories were fairly comparable among all subgroups, which indicates that food selected by whites did not

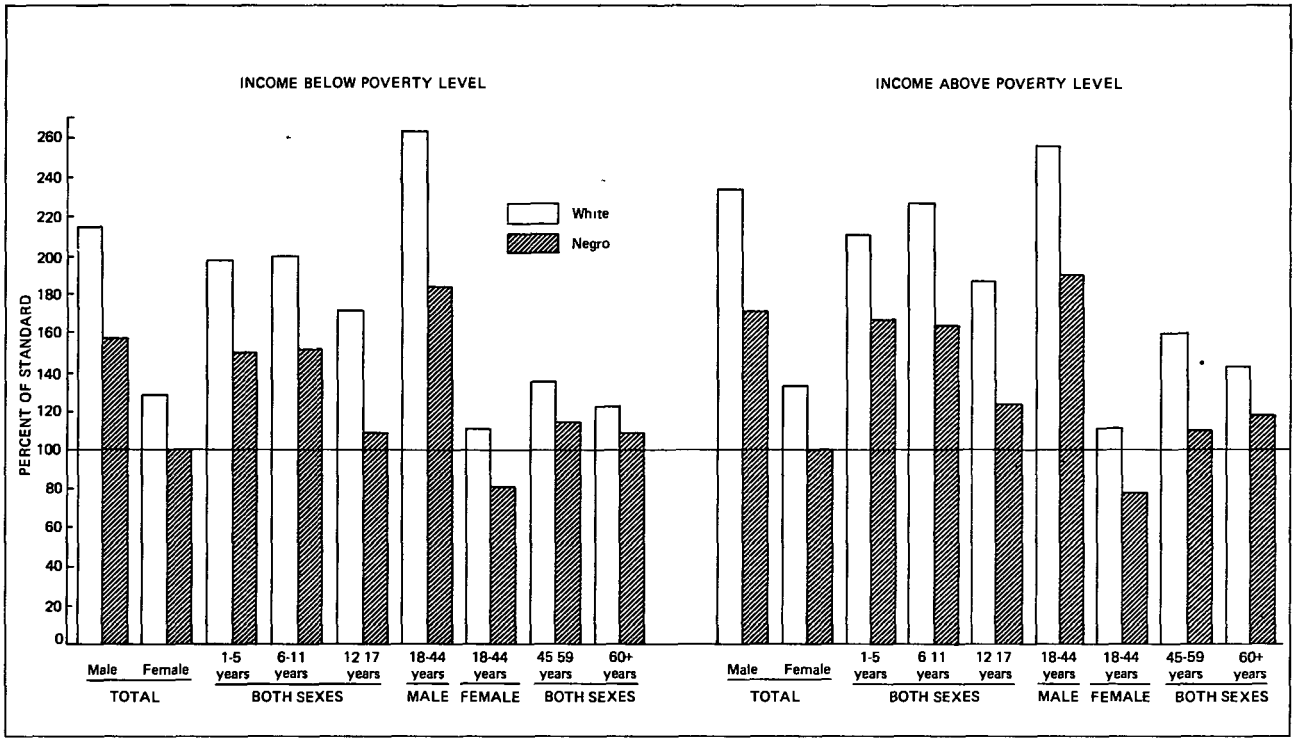

Figure 1 Mean calcium intake as a percent of standard by age, sex, and race for income levels, United States, 1971-72 (HANES Preliminary)

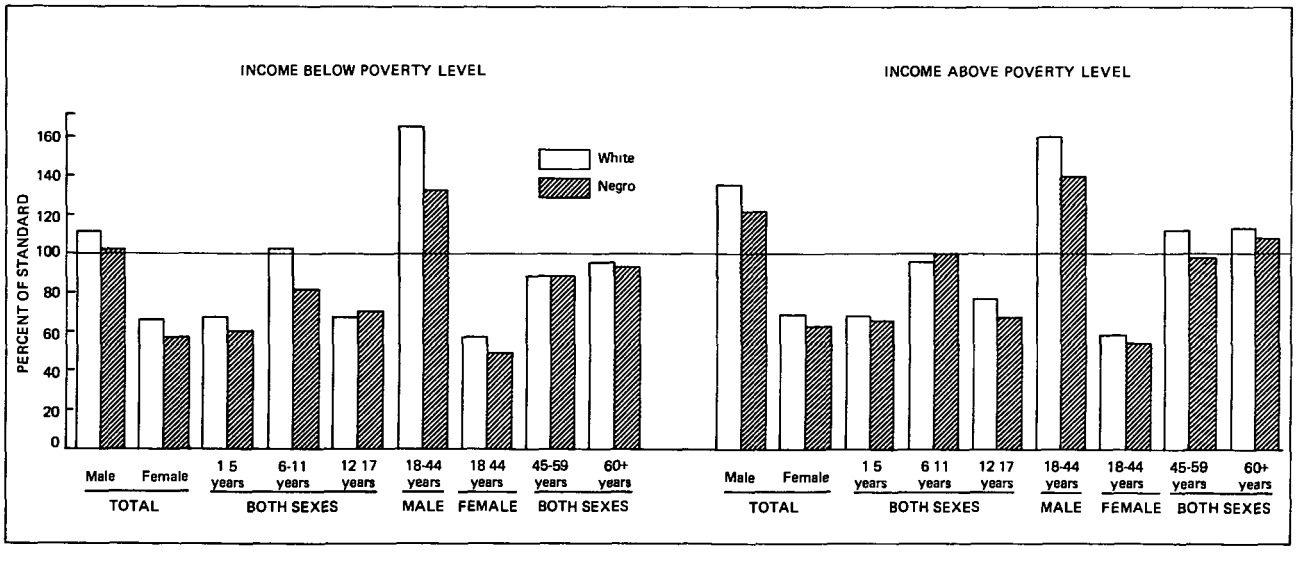

Figure 2. Mean iron intake as a percent of standard by age, sex, and race for income levels, United States, 1971-72 (HANES Preliminary)

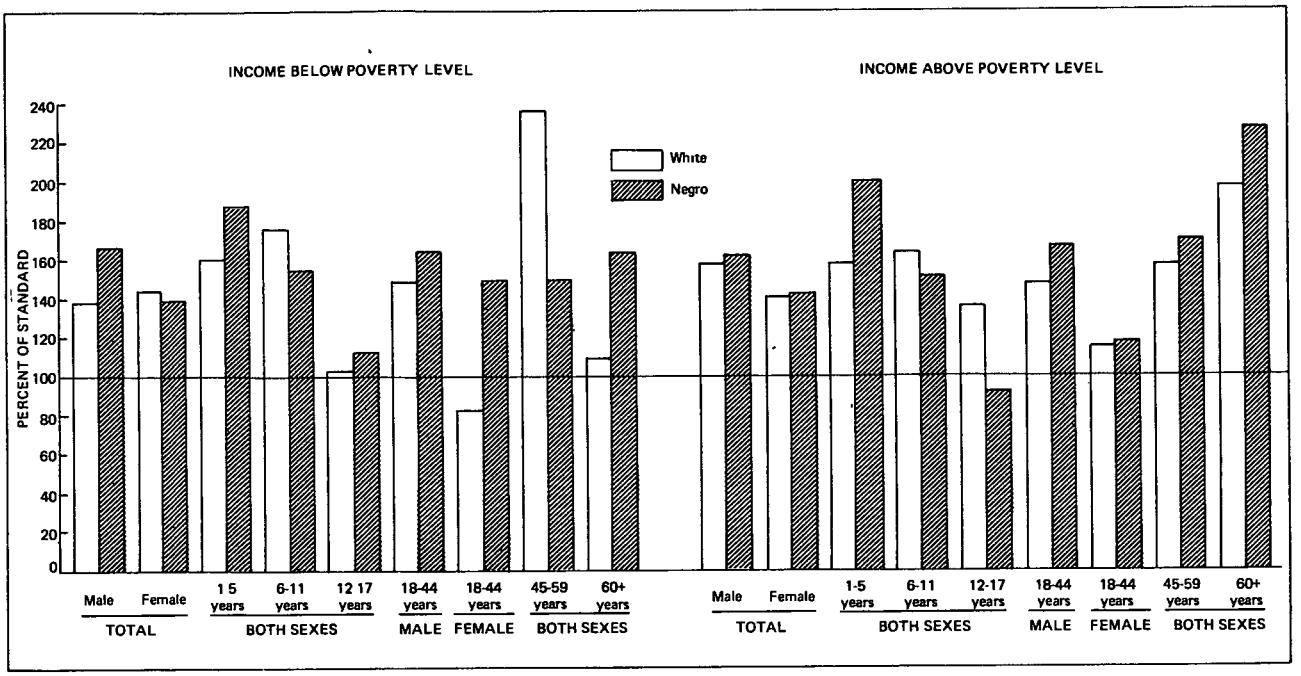

Figure 3 Mean vitamin A intake as a percent of standard by age, sex, and race for income levels, United States, 1971-72 (HANES Preliminary)

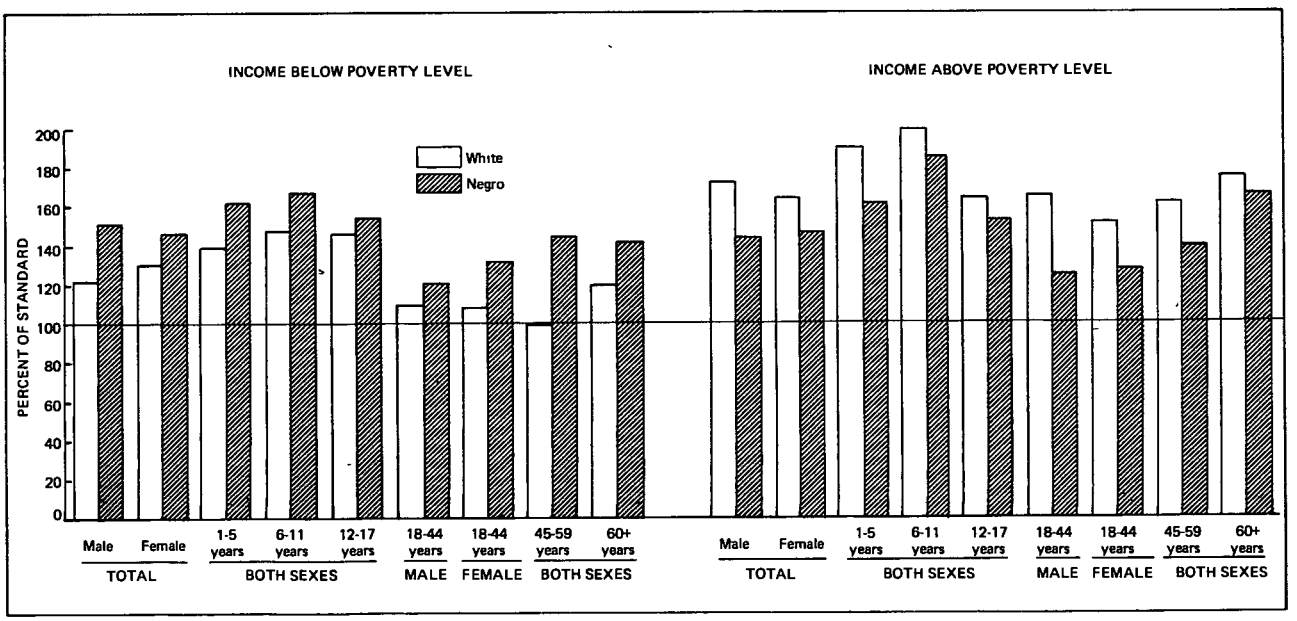

Figure 4 Mean vitamin C intake as a percent of standard by age, sex, and race for income levels, United States, 1971-72 (HANES Preliminary)

have more calcium than that selected by Negroes (tables 8-14), but that the above differences were due to higher caloric intakes.

A similar pattern was not observed for mean vitamins A and C intakes, and there were no consistent differences between races and income groups. Of interest is that the mean vitamin A values were higher and often double the median values. Because the estimated mean vitamin A values for persons in age group 45-59 years were subject to large sampling variability, the indicated means must be interpreted with caution (appendix I, table II).

The mean vitamin A intakes per 1,000 calories varied considerably, in several age groups, between whites and Negroes by income level. The ratio was higher in both income groups for Negroes than for whites at ages 1-5, 18-44 (males and females), and 60 years and over (tables 9, 12, and 14).

A similar pattern, in the below poverty level group, was noted for Negroes ages 6-11 and 12-17 years as compared to that for whites (tables 10, 11). The variation in vitamin A intakes between subgroups was related to choice of nutrient consumed rather than to total caloric intake.

The mean vitamin C intakes per 1,000 calories were higher for Negroes in both income groups than for whites at ages 6-11, 12-17, and 60 years and over (tables 10, 11, 14). A similar direction was noted in comparing Negroes and whites in the lower income group for ages 1-5, 18-44 (males and females), and 45-59 years (tables 9, 12, and 13). This was consistent with the observation previously noted for vitamin A intakes, i.e., that differences in vitamin C intakes between groups were more related to nutrient density than to total food consumed.

The cumulative percentage distribution data showed that a large proportion of persons had calcium intakes that were below the standards. Females ages 18-44 years showed the largest percent of persons who had calcium intakes less than the standards—an average of more than 70 percent of the Negro females in both income groups, and an average of 56 percent of the white females (table 22). In the age group 60 years and over, the corresponding percentages were about 46 percent for Negroes of both incomes, and for whites below and above poverty level, 40 and 34 percent, respectively (table 23).

The cumulative percentage distribution data for children of ages 1-5 years showed that an average of about one-third of the Negroes in both income groups had calcium intakes below the standard (table 21). For whites in both income groups, the averaged percentage was about 13 percent (table 21). For Negro males of ages 18-44 years, the averaged percentage for both income groups was also about one-third. The corresponding percentage for white males in the same age and income groups was about 17 percent (table 22).

For vitamins A and C, a large proportion of the persons had intakes falling considerably below the standards. For white and Negro children ages 1-5 years in both income groups the percentage of persons who had intakes of vitamin A below the standard ranged from 37 to 52 percent (table 27). For the same age, race, and poverty level groups, the corresponding range of percentages for vitamin C was from 43 to 58 percent (table 30). For males of ages 18-44 years in both income groups, the percentage of persons who had vitamins A and C intakes below the standard ranged from 46 to 65 percent (tables 28 and 31). For adults of ages 60 years and over in both income groups, the percentage of persons who had vitamin A intakes below the standard ranged from 52 to 62 percent (table 29). In similar age, race, and income groups, the corresponding percentages for vitamin C ranged from 39 to 59 percent (table 32).

About 73 percent of the white females ages 18-44 years in the low income group had intakes of vitamins A and C below the standards. More than half in this age group, without regard to race or income level, had intakes of both vitamins below the standards (tables 28, 31).

Iron Intakes

The diets of three age groups in both races and both income groups were below the standards (appendix III, table VI) for iron intake—children of ages 1-5 years, adolescents of ages 12-17 years, and females of ages 18-44 years (tables 2, 4, 5, and figure 2). In the lower income group Negroes of ages 6-11, 45-59, and

60 years and over had mean iron intakes that did not meet the standards (tables 3, 6, 7, and figure 2). A similar pattern is noted for whites of similar ages and income level, with the exception that those of ages 6-11 years met the standard (tables 3 and figure 2). In the same age groups, 6-11, 45-59, and 60 and over, in the income group above poverty level, whites and Negroes either approached or were above the standards. Males of ages 18-44 years for both race and income groups had mean iron intakes that exceeded the standards (table 5 and figure 2).

The cumulative percentage distribution data for children of ages 1-5 years and females of ages 18-44 years, for both race and income groups, showed that an average of about 95 percent of the individuals had iron intake values less than the standards. Corresponding values for persons 60 years of age and over averaged about 60 percent of the individuals below the standards (tables 24, 25, 26).

Although all males of ages 18-44 years had mean iron intakes that met the standards, there were large proportions of Negro males at these ages with iron values that were below the standards: Negroes in the low income group, 41 percent; Negroes in the income group above poverty level, 25 percent; whites of both income groups, about 15 percent (table 25).

Mean iron intakes per 1,000 calories were higher for Negro persons in most age groups than for white persons regardless of income. The highest mean iron intakes per 1,000 calories were found among Negro persons of both incomes in the age group 45 years and over. The ratios of iron to calories for whites and Negroes in the older age group regardless of income suggested that differences in iron intakes between groups were related to selection of good food sources of iron rather than total caloric intake (tables 13, 14).

BIOCHEMICAL TEST RESULTS

Tables 33-39 present the laboratory data for examined persons by age for sex, race, and income groups. In addition to listing the number of persons examined and the estimated number in the United States population, the tables include the mean, median, and percent of persons with low values (see appendix III, table VII). Estimates of the standard errors are presented in appendix I, table III.

The percent of examined persons with low values observed in the subgroups shown in tables 33-39 are graphically shown in figures 5-11. Tables 40-64 present the cumulative percentage distribution data for age groups deemed to be at high risk with regard to malnutrition—preschool children of ages 1-5 years, adolescents of ages 12-17 years, women of childbearing ages 18-44 years, and adults of ages 60 years and over. In adolescents (12-17 years), however, because of sample size consideration, instead of three variable cross-classifications by sex, race, and income level, comparisons are made by individual variables—male vs. female, white vs. Negro, and income below poverty level vs. income at or above poverty level.

Hemoglobin and Hematocrit

Hemoglobin and hematocrit are the two measures used to assess anemia, and more specifically iron deficiency anemia, in the survey population. Both measurements are general rather than specific indicators of the cause of anemia and there is a close relationship between the two.

The mean hemoglobin concentration was higher for white persons than for Negroes for all age groups regardless of income level. The lowest of these differences was 0.12 gm/100 ml at ages 45-59 years in the lower income group (table 38), and the highest was 1.53 gm/100 ml at ages 60 years and over in the lower income group (table 39). Except at ages 45-59 years in the lower income group, whites had higher mean hematocrit levels for all age groups regardless of income level. These differences varied from a low of .54 percent at ages 1-5 years in the lower income group (table 34) to a high of 2.77 percent at ages 60 years and over in the lower income group (table 39).

With few exceptions, whites and Negroes in the income group above poverty level had higher mean hemoglobin levels than those in the lower income group. These differences were usually less than 0.5 gm/100 ml. In general, mean hematocrit levels for whites and Negroes in the income group above poverty level were higher

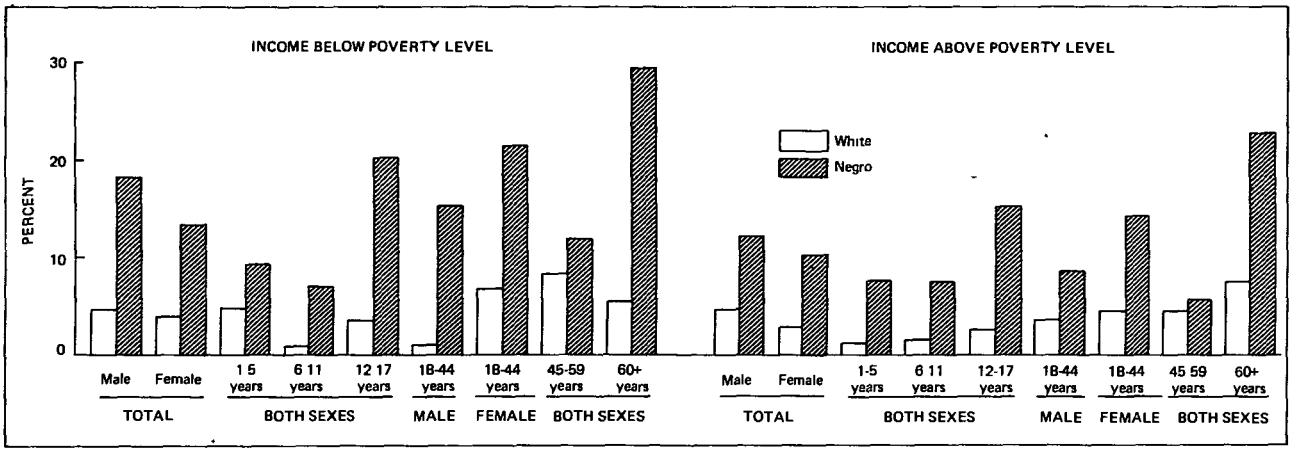

Figure 5. Percent of persons with low hemoglobin values by age, sex, and race for income levels, United States, 1971-72 (HANES Preliminary)

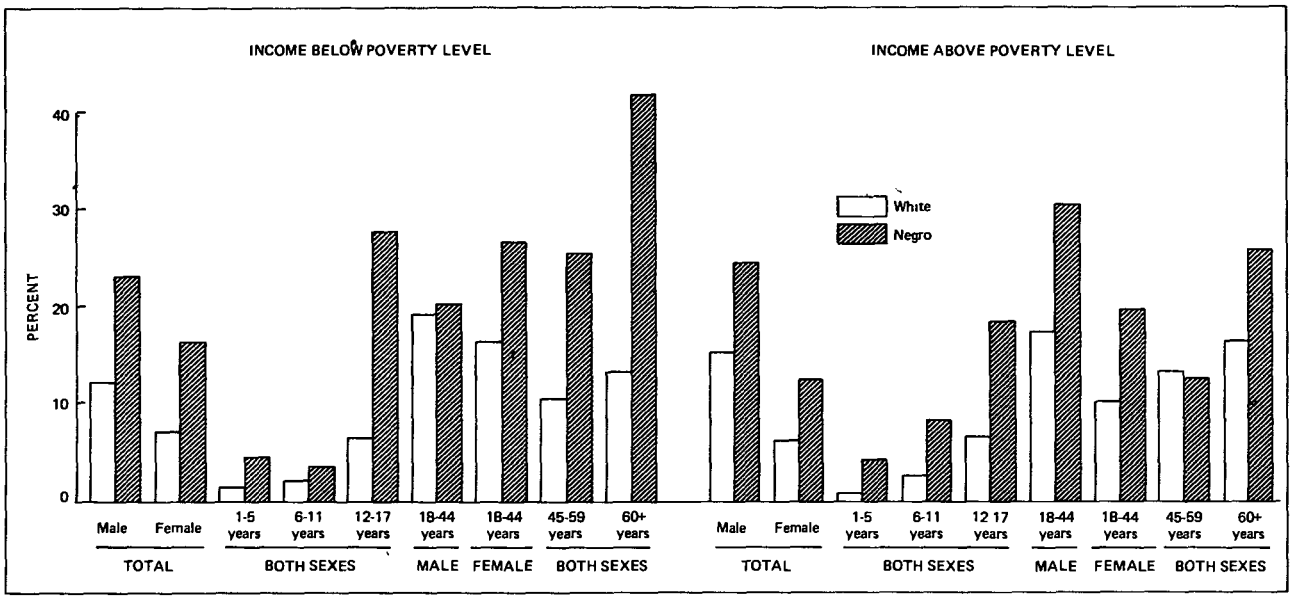

Figure 6 Percent of persons with low hematocrit values by age, sex, and race for income levels, United States, 1971-72 (HANES Preliminary)

than for those in the income group below poverty level. An exception was the male group at ages 18-44 years. In this group, both whites and Negroes in the low income group had slightly higher mean hematocrit levels than did those in the income group above poverty level.

Negroes had a higher prevalence of low hemoglobin values than did whites for all age groups regardless of income level. In the age group of 1-5 years, Negroes had proportionately more low hemoglobin values than did whites for each income level. Table 34 shows that for the 1-5 year age group the percentage of low hemoglobin values in the income group below poverty level was 4.9 percent for whites and 9.3 percent for Negroes. In the income group above poverty level the percentage of low values was 1.2 percent for whites and 7.7 percent for Negroes.

In the 6-11 and 12-17 year age groups there were also proportionately more Negroes with low hemoglobin levels than whites of the same age, regardless of income level. Table 35 shows that in the 6-11 year age group with lower income the percentage of low hemoglobin values was 1.0 percent for whites and 7.1 percent for Negroes. In the income group above poverty level at these ages the percentages for whites and Negroes were 1.6 and 7.6 percent, respectively. Table 36 shows that in the 12-17 year age group lower income whites had 3.7 percent low hemoglobin values while lower income Negroes had 20.4 percent low values. Corresponding percentages for whites and Negroes at the same ages in the income group above poverty level were 2.5 and 15.0 percent.

Table A shows that in the 12-17 year age group males had a much higher percentage of low hemoglobin values than did females. Whereas males had 7.4 percent low values, females had 1.9 percent. In the 18-44 year age group females had a higher percentage of low

Table A Biochemical determinations for persons aged 12-17 years by sex and income levels number of persons, mean, median, and percent with low values, United States, 1971-72 (HANES Preliminary)

Biochemical test	Male	Female	Income below poverty level[1]	Income above poverty level[1]
n	517	528	264	732
N	12,508	12,239	3,626	19,694
Hematocrit (percent)				
Mean	43 13	40 74	40 73	42 14
Median	42 65	40 94	40 82	41 86
Percent with low values	15 46	2 42	16 54	7 86
Hemoglobin (gm/100 ml)				
Mean	14 77	[illegible]0	13 70	14 39
Median	14 74	13 73	13 63	14 34
Percent with low values	7 39	1 91	11 58	3 56
Serum iron (μg/100 ml)				
Mean	112.50	104 24	103 43	109 25
Median	110 76	102 09	101.72	106 36
Percent with low values	2 80	1 12	3 70	1 75
Transferrin saturation (percent)				
Mean	33 63	30 48	30 46	32 31
Median	32 33	29 09	29 80	31 00
Percent with low values	7 66	5 29	9 22	6 36

[1]Excludes persons with unknown income
NOTE *n* = examined persons, *N* = estimated population in thousands

hemoglobin values than did males for all race and income groups. The largest absolute difference occurred for Negroes in the lower income group in which females had 21.5 percent low values and males had 15.1 percent (table 37).

In the age groups 18-44, 45-59, and 60 years and over, the percentage of low hemoglobin values for Negroes was greater than that for whites regardless of income level. Negroes of ages 60 years and over had the highest prevalence of low hemoglobin values for any age group regardless of income level. Table 39 shows that Negroes of ages 60 years and over in the lower income group had 29.6 percent low hemoglobin values and in the income group above poverty level, 22.8 percent.

Except for adults at ages 45-59 years in the income group above poverty level, Negroes had a higher prevalence of low hematocrit values regardless of income level. In the 1-5 year age group Negroes had three times as many low hematocrit values in comparison to whites, regardless of income level. Table 34 shows that the percentage of low hematocrit values in the 1-5 year age group was 1.5 percent for whites and 4.8 percent for Negroes in the income group below poverty level, and 1.0 percent for whites and 4.2 percent for Negroes in the income group above poverty level.

In the 18-44, 45-59, and 60 years and over age groups, the percentage of low hematocrit values was greater than 10 percent regardless of race or income level (tables 37-39). For these same age groups, the percentage of persons with low hematocrit values was greater than the percentage with low hemoglobin values regardless of race or income level. In the lower income group, the highest prevalence of low hematocrit values was 41.7 percent for Negroes of ages 60 years and over (table 39). Table 37 shows that for the income group above poverty level Negro males of ages 18-44 years had the highest prevalence of low hematocrit values with 30.5 percent.

Serum Iron and Transferrin Saturation

Measurements of serum iron and transferrin saturation were made in order to assess nutrient iron status. These determinations give some indication of the amount of iron present in the blood.

With only one exception, whites had higher mean transferrin saturation levels than Negroes for all age groups regardless of income level. The smallest of these differences was 0.18 percent at ages 60 years and over in the lower income group (table 39), and the largest difference was 8.86 percent at ages 45-59 years in the lower income group (table 38). Mean serum iron levels were generally higher for whites than for Negroes in all age groups for both income groups. The largest of these differences was 15.94 μg/100 ml at ages 12-17 years in the lower income group (table 36).

In children of ages 1-5 years, males of ages 18-44 years, and adults of ages 45-59 years, the mean serum iron levels for both whites and Negroes were higher in the income group below poverty level than in the income group above poverty level. The largest of these income group differences was for Negro males in the age group 18-44 years: the lower income group had a mean serum iron level of 120.64 μg/100 ml, and the income group above poverty level had a mean level of 109.56 μg/100 ml (table 37).

In general, Negroes had a slightly higher percentage of low serum iron values than did whites in the 1-5, 6-11, and 12-17 year age groups for both income levels. The highest prevalence of low serum iron values was 6.0 percent for Negroes of ages 12-17 years in the lower income group (table 36). In the age groups 18-44 (males and females), 45-59, and 60 years and over, whites generally had a higher percentage of low serum iron values than did Negroes for both income levels. The largest of these differences occurred at ages 45-59 years in the lower income group, where Negroes had 0.9 percent low serum iron values and whites had 4.4 percent (table 38).

Table A shows that males of ages 12-17 years had 2.8 percent low serum iron values and females had 1.1 percent. Table 37 shows that in the 18-44 year age group males also had a higher percentage of low serum iron values than did females regardless of race or income level. These differences were always less than 1.0 percent.

Table 34 shows that Negroes of ages 1-5 years in the income group above poverty level had

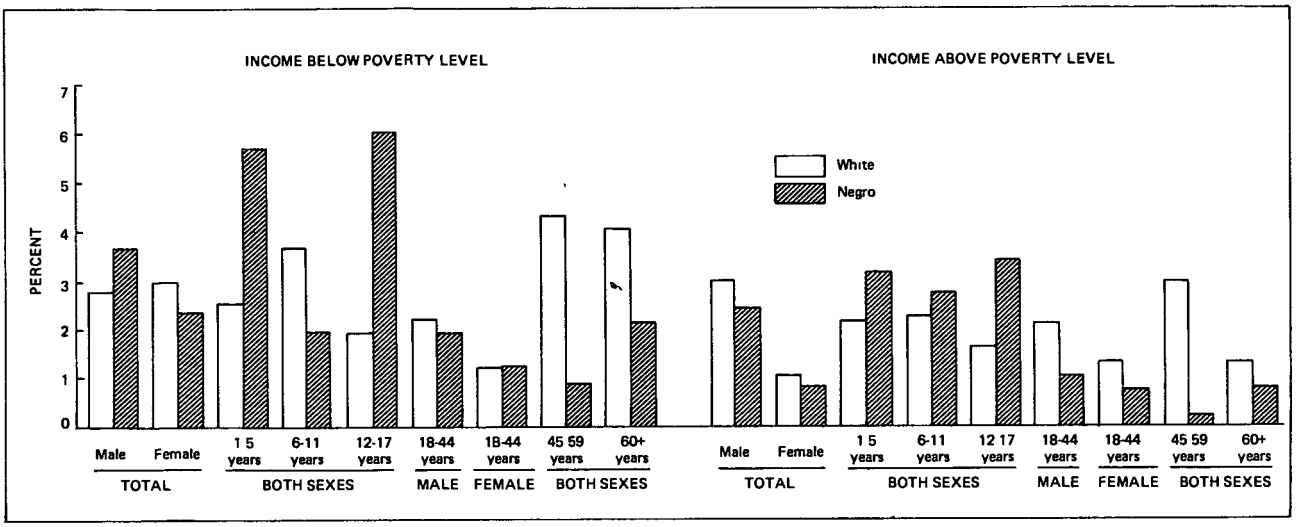

Figure 7 Percent of persons with low serum iron values by age, sex, and race for income levels, United States, 1971-72 (HANES Preliminary)

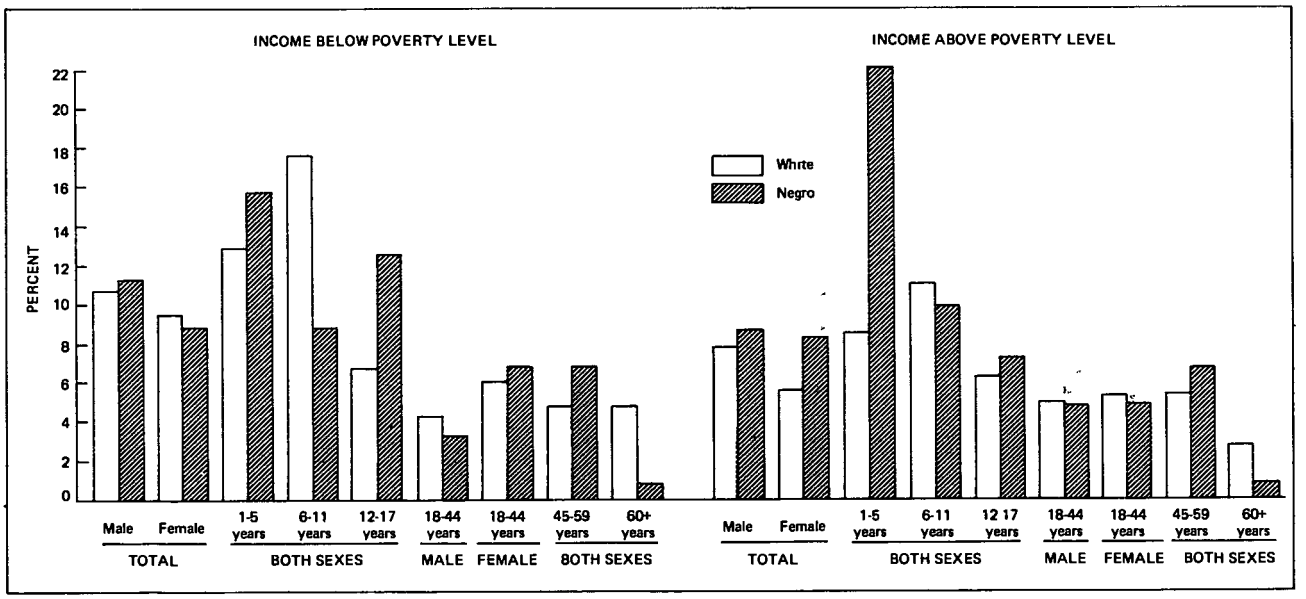

Figure 8 Percent of persons with low transferrin saturation values by age, sex, and race for income levels, United States, 1971-72 (HANES Preliminary)

22.1 percent low transferrin saturation values, which was the highest percentage for any group. Negroes had a higher percentage of low transferrin saturation values than did whites in this age group for both income levels. For the lower income group, whites had 12.9 percent low transferrin saturation values while Negroes had 15.8 percent. In the income group above poverty level, the percentages of low values were 8.6 and 22.1 percent for whites and Negroes, respectively.

In the 6-11 year age group, whites had a higher percentage of low transferrin saturation values than did Negroes for both income levels (table 35). In the income group below poverty level, whites had 17.7 percent low values and Negroes had 8.9 percent. The percentage of low transferrin saturation values in the income group above poverty level was 11.1 and 10.0 percent for whites and Negroes, respectively. Table 36 shows that in the 12-17 year age group the percentage of low transferrin saturation values for Negroes was higher than that for whites. This was similar to what was observed in the 1-5 year age group.

Table A shows that in the 12-17 year age group males had 7.7 percent low transferrin saturation values while females had 5.3 percent. However, at ages 18-44 years, females had a higher percentage of low transferrin saturation values than did males for both races and income levels (table 37). The largest of these differences was for Negroes in the lower income group, in which males had 3.3 percent low values and females had 6.9 percent.

The only group to have less than 3 percent low values for percent transferrin saturation was Negroes of ages 60 years and over (table 39). For both income groups Negroes had about 0.8 percent low values, while whites at these ages had 5.3 percent low transferrin saturation values in the lower income group and 2.8 percent in the income group above poverty level.

Serum Protein and Albumin

These two measurements are discussed together because they are closely related. Albumin constitutes a part of the total serum protein. Both determinations are affected by the level of protein intake in the diet and therefore may be low if there is a protein deficiency. They may, however, also be influenced by various diseases not directly related to nutrition.

The mean serum protein level was higher for Negroes than for whites for all age groups regardless of income. The smallest of these differences was 0.04 gm/100 ml in the age group 1-5 years for the income group above poverty level (table 34), and the largest difference was 0.53 gm/100 ml in the age group 45-59 years for the low income group (table 38). In general, whites and Negroes in the lower income group had higher mean serum protein levels than did whites and Negroes in the income group above poverty level. These differences were always less than 0.2 gm/100 ml. The differences between mean serum albumin levels for whites and Negroes were also less than 0.2 gm/100 ml; however, whites had the higher mean levels for both income groups.

Tables 34-36 show that there was no prevalence of low serum albumin values in the 1-5, 6-11, and 12-17 year age groups. The percentages of low serum protein values were usually small in these age groups, but they did reach as high as 4.7 percent for whites at ages 6-11 years in the income group above poverty level. In the 6-11 and 12-17 year age groups, whites had a higher percentage of low serum protein values than did Negroes for similar income groups.

In the 18-44, 45-59, and 60 years and over age groups, whites had a higher percentage of low serum protein values than did Negroes regardless of income. The largest of these differences occurred in the age group 45-59 years for the income group below poverty level (table 38). In this group Negroes had 3.2 percent low serum protein values and whites had 16.7 percent. The highest percentage of low serum protein values for both income groups occurred for whites in the age group 45-59 years. Table 38 shows that whites of ages 45-59 years in the lower income group had 16.7 percent low serum protein values, while in the income group above poverty level they had 15.5 percent.

Table 37 shows that females of ages 18-44 years had a higher percentage of low serum albumin values than did males of the same age for both income groups and races. The largest of

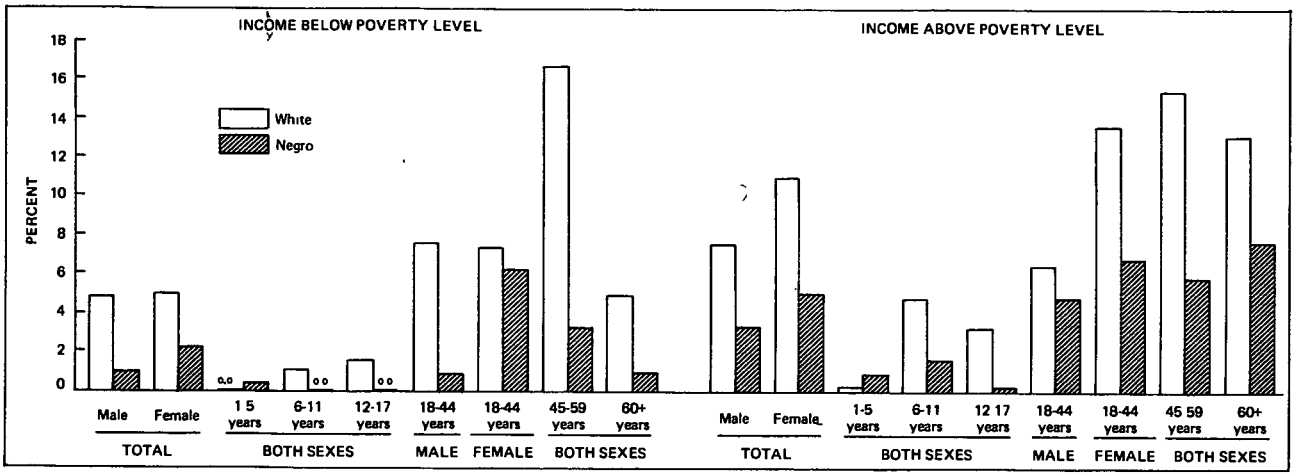

Figure 9. Percent of persons with low serum protein values by age, sex, and race for income levels, United States, 1971-72 (HANES Preliminary)

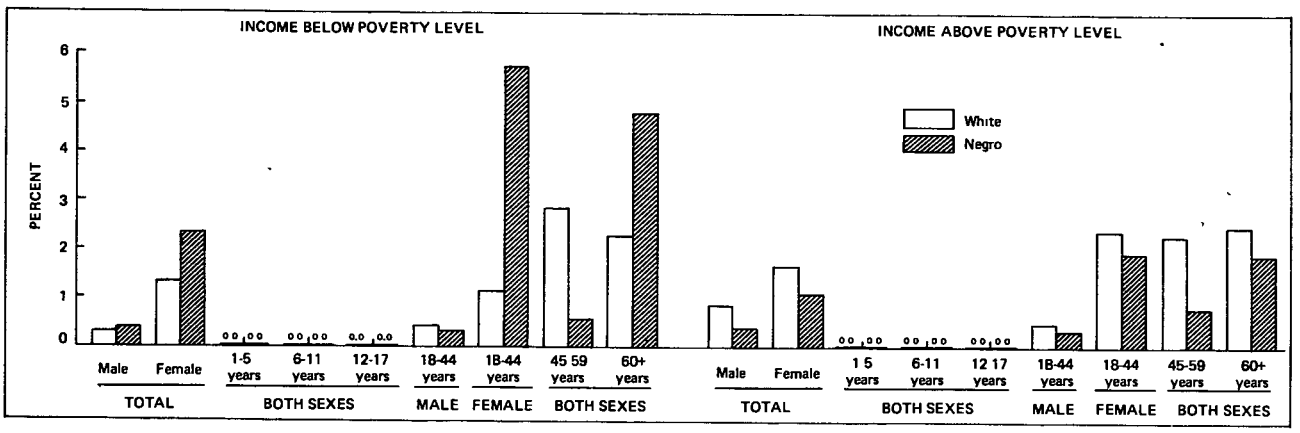

Figure 10. Percent of persons with low serum albumin values by age, sex, and race for income levels, United States, 1971-72 (HANES Preliminary)

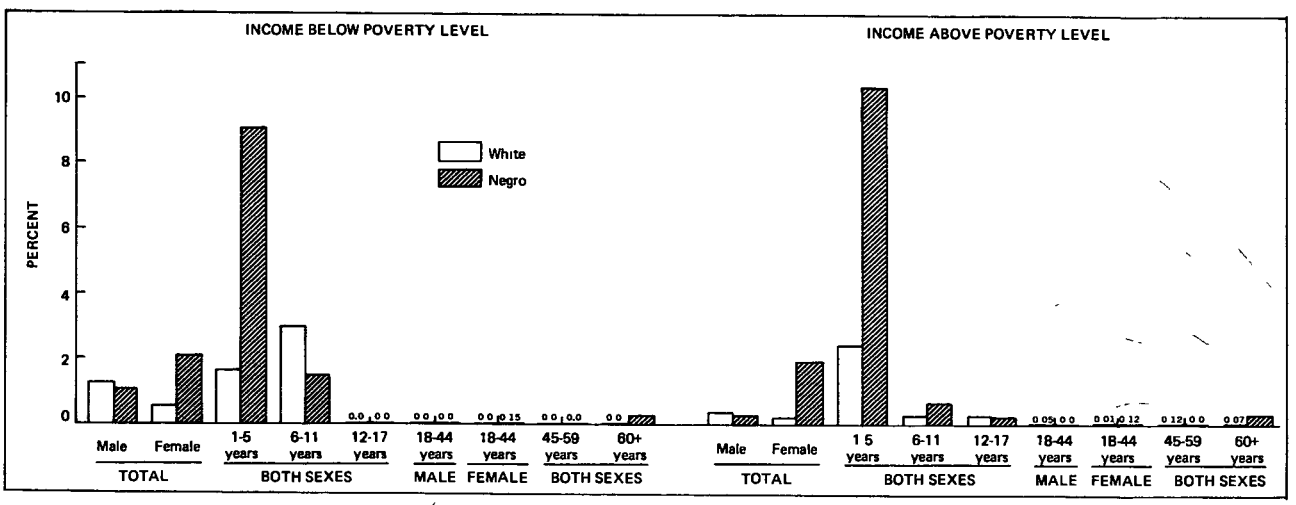

Figure 11 Percent of persons with low serum vitamin A values by age, sex, and race for income levels, United States, 1971-72 (HANES Preliminary)

these differences was for Negroes in the lower income group. Females in this group had 5.7 percent low serum albumin values while males had 0.3 percent. The 5.7 percent low values for Negro females of ages 18-44 years in the lower income group was also the highest percentage of low serum albumin values observed in any group.

Vitamin A

The mean serum vitamin A level for whites was higher than that for Negroes for all age groups regardless of income. The smallest difference was 0.57 μg/100 ml for females of ages 18-44 years in the income group above poverty level (table 37), and the largest difference was 8.11 μg/100 ml in the age group 1-5 years in the income group above poverty level (table 34). With the exception of Negroes of ages 1-5 years, whites and Negroes in the income group above poverty level had higher mean levels of serum vitamin A than did the lower income group. The largest of these differences was 6.63 μg/100 ml for Negroes of ages 45-59 years (table 38). In general, mean serum vitamin A levels increased with age group regardless of race or income group.

In the 12-17, 18-44, 45-59, and 60 years and over age groups, no population group had more than 0.3 percent low serum vitamin A values (tables 36-39). The percentage of low serum vitamin A values for Negroes of ages 1-5 years was relatively more than four times that for whites of ages 1-5 years for both income groups. Table 34 shows that in the lower income group whites had 1.6 percent low serum vitamin A values and Negroes had 9.1 percent. In the income group above poverty level white children of ages 1-5 years had 2.4 percent low serum vitamin A values, while Negroes had 10.3 percent.

DISCUSSION

Dietary Intakes

Twenty-four hour recall data were analyzed by comparing mean intakes of population groups of known demographic characteristics to standards. This is the main purpose of the data,[14] even though it is known that mean intakes have limited value in light of great variability of nutrient distributions.

Race and income levels in HANES do not appear to be associated with differences in mean iron intakes in the age groups less than 18 years. With few exceptions, the subgroups studied had mean iron intakes below the standards. In the age groups above 45 years income was an important demographic variable without regard to race. Both white and Negro adults in the lower income group had mean iron intakes that were below the standards. On the other hand, both white and Negro adults in the income group above poverty level approached or met the standards.

Sex was clearly an important variable affecting mean iron intake without regard to race and income group. Whereas all females of ages 18-44 years of both races and income levels had mean iron intakes below the standard, all males of similar ages for both race and income groups had mean iron intakes that exceeded the standards. A larger sample than was available in the preliminary analysis would be required to document this difference in the other age-sex groups.

Mean calcium and vitamins A and C intakes in relation to standards did not vary by race and income levels. These mean nutrient levels either approached or met the standards. In general, all males and females of ages 18-44 years of both race and income groups had mean nutrient intakes above the standards. The exceptions were Negro females of ages 18-44 years in both income groups who showed mean calcium levels below the standard, and white females of similar ages in the lower income group who had mean vitamin A levels below the standard. Other demographic variables which were examined, but not reported here, were educational, region, urbanization, and ethnic group. They will be reported when the total sample is completed.

The recall method is generally accepted as providing a fairly reliable picture of the nutrient intake of groups; however, the use of mean intakes can mask the fact that substantial proportions of individuals within a group may have had intakes far below the standard for any

nutrient. Table B compares two approaches to evaluation of nutrients in relation to the standards.

Mean calcium and vitamins A and C intakes were limited in describing the adequacy of the diet of individuals in population groups. On the whole, all population groups had adequate mean calcium and vitamins A and C intakes in relation to the standard, yet, a substantial proportion of the individuals had intakes less than the standards; the percentages for calcium ranged from 12 to 75 percent, for vitamin A from 37 to 74

Table B Comparison of percent of persons with nutrient values less than the standards and mean nutrient intakes as a percent of standard by race, age, and sex for income levels. United States, 1971-72 (HANES Preliminary)

Age, sex, and nutrient	White		Negro	
	Percent of persons with intakes less than standard	Mean intake as percent of standard	Percent of persons with intakes less than standard	Mean intake as percent of standard
	Income below poverty level[1]			
1-5 years, both sexes				
Calcium	14 42	197	35 26	149
Iron	94 46	67	93 61	60
Vitamin A	51 51	160	46.07	187
Vitamin C	58.23	138	48.54	161
18-44 years, female				
Calcium	56 39	110	74.50	80
Iron	94.24	57	94.66	49
Vitamin A	73.54	82	64 42	149
Vitamin C	72 26	108	59 37	132
60 years and over, both sexes				
Calcium	40.43	121	44 67	108
Iron	62 66	95	67.31	93
Vitamin A	61 45	108	62.40	163
Vitamin C	59 16	119	54 65	141
	Income above poverty level[1]			
1-5 years, both sexes				
Calcium	12 14	210	24.96	166
Iron	94.88	69	95 29	66
Vitamin A	36 91	157	51 01	199
Vitamin C	42.82	189	52.91	160
18-44 years, female				
Calcium	55.59	110	71.69	77
Iron	92 13	59	94 70	55
Vitamin A	64.90	114	67 36	116
Vitamin C	49 04	150	56 81	127
60 years and over, both sexes				
Calcium	34 41	142	47.71	117
Iron	46 97	114	64 57	109
Vitamin A	55 56	196	52.24	226
Vitamin C	38 96	174	43.78	165

[1]Excludes persons with unknown income

percent, and for vitamin C from 39 to 72 percent.

In the age group 60 years and over the mean iron intakes either approached or met the standards, yet, an average of about 65 percent of the white and Negro adults in the lower income group had iron intakes less than the standards. The corresponding figures for adults of the same ages in the income group above poverty level averaged about 56 percent.

Mean iron intakes did not conceal inadequate iron intake of individuals within groups when the mean intakes were markedly below the standards. About 95 percent of the children of ages 1-5 years and females of ages 18-44 years in both race and income groups had iron intakes below the standards. The mean iron intakes of children 1-5 years were 31 to 40 percent below the standard. Corresponding figures for females of ages 18-44 years were 41 to 51 percent.

There were suggestions of racial differences in intakes of vitamins A and C per 1,000 calories. There were differences between whites and Negroes without regard to income levels, particularly in subgroups of females ages 18-44 years and adults of ages 60 years and over. This would indicate that the quality of diet was different and that differences were influenced by nutrient density rather than by total food consumption. Further analysis of food groups and types and amounts consumed will be done in the final reports when data on frequency of food consumption as well as foods reported in the 24-hour recall will be analyzed.

Biochemical Tests

Hemoglobin, hematocrit, serum iron, and transferrin saturation.—The cutoff points chosen for low hemoglobin and hematocrit values were similar to those used in the Ten State Nutrition Survey.[1] The cutoff points were based on two assumptions, namely, that there are no significant sex differences in children of ages 1-11 years for hemoglobin, hematocrit, and serum iron levels and that there are significant sex differences in the adolescent and adult groups. The magnitude of these differences (with males higher than females) is assumed to be 1.5 gm of hemoglobin per 100 ml of blood for adolescents and 2 gm of hemoglobin per 100 ml for adults of ages 18 years and over. For the hematocrit values, adolescent males are expected to have 4-6 percent higher values and adult males 6 percent higher values than females of the same age. Serum iron is expected to be 20 mg greater in males aged 12 years and over than in females of the same age.

The data provided evidence of iron deficiency with anemia for children and adolescents of ages 1-17 years, based on a relatively high percentage of low transferrin saturations, as much as 22 percent in Negro children of ages 1-5 years in the income group above poverty level (table 34). This evidence was not shown for the adult groups, particularly for Negro adults of ages 60 years and over. No information is available on the possible role of folate and vitamin B_{12} deficiency to explain the high percentage of low hemoglobin and hematocrit values.

Racial differences in serum iron and transferrin saturation appeared to be important, with Negroes usually having lower values. Income was not an important factor except in the older age groups where adults in the lower income groups usually had lower values. A more detailed discussion by age group follows.

Age group 1-5 years.—The apparent discrepancy between the relatively high percentage of low percent transferrin saturations found and the much lower percentage of low hemoglobin, hematocrit, and serum iron finds its explanation in the following: if one looks at the percent transferrin saturation and the total iron binding capacity (TIBC) by year of age, one finds a higher percentage of low percent transferrin saturation (above 15 percent) in the first 2 years (1-2, 2-3). At the same time, the percent of high TIBC values (more than 400) is markedly greater in the first 2 years, which would explain, at least in part, the higher percentage of low percent transferrin saturation values. It becomes obvious from the foregoing, that if it had been possible to analyze these data by year of age, the main problem would appear in the two youngest age groups (1-2, 2-3 years) and would have shown a decrease with age up to 5 years (table C). However, because of the relatively small numbers in some of the subgroups by race and income, this was not possible at this time.

Age group 12-17 years.—In the 12-17 year age group the percent of low values for hemoglobin

Table C Prevalence of iron deficiency related measurements of children aged 1-5 years United States, 1971-72 (HANES Preliminary)

Age	n	Percent of children with		
		Low values		High values
		Serum iron µg/100 ml	Transferrin saturation (Fe/TIBC) x 100	Total iron binding capacity, µg/100 ml
1 year	282	4.2	16 9	21 7
2 years	288	4.2	14 5	14.3
3 years	293	1.9	7.9	9 6
4 years	316	2 2	8.4	10 9
5 years	310	0 3	5 8	7 4

NOTE n = examined persons

and hematocrit was four to six times higher in Negroes than in whites regardless of income. These differences also existed for serum iron and percent transferrin saturation, but were of a lower magnitude. Because of the presentation of the data for both sexes combined and the cutoff points being different for each sex (higher for males), the percentages of low values were considerably higher for males than for females. This fact explains to a large extent the much greater percentages of low hemoglobin and hematocrit values than of serum iron and percent transferrin saturation values in this age group.

Age group 18-44 years.—In both sexes the percentages of low hemoglobin and particularly of low hematocrit were relatively high, but the percentages of low serum iron and percent transferrin saturation were low. This picture was certainly different from the one in the 1-5 year age group. The percentage cumulative distribution for hemoglobin and hematocrit showed that the percent of low values farther away from the cutoff points was relatively small in males and females for both races and income groups; in other words, the percent of persons with really low hemoglobin and hematocrit was small and thus of less practical importance than it appeared at first.

Females included pregnant women whose hemoglobin and hematocrit values would be lower than those of all other women using the same cutoff points for all women aged 18-44. If pregnant women were excluded, all values for the 18-44 females would be raised to a certain extent. In the final reports results for pregnant women will be presented separately.

Age groups 45-59 and 60 years and over —The picture for the 45-59 year age group was similar to the one for the 18-44 year age group. For the 60 years and over group, however, it appeared to be worse, particularly for Negroes in the low income group who had the highest percentages of low hemoglobin and hematocrit values of any group. The cumulative percentage distribution for hemoglobin and hematocrit showed also a relatively greater percent of low values farther away from the cutoff points than in the younger age groups for Negroes. Why Negroes aged 60 years and over should have such a high percentage of low hemoglobin and hematocrit values is an open question at this time. The fact that they show at the same time a very low percentage of low serum irons and percent transferrin saturations excludes iron deficiency as a cause. No information is available presently on the possible role of folate deficiency or other deficiencies.

Serum protein and albumin.—The cutoff points selected for serum protein and albumin are again similar to those in the Ten State Survey.[1] They are assumed to be the same for both sexes except in the case of pregnant women, but they do show an increase with age.

Mean total proteins showed a steady increase with age from age 1 year to age 17 years, while mean albumin levels remained at the same level. No major changes occurred in mean levels during adulthood. Race was a major variable, inasmuch as Negroes had consistently higher mean levels for total proteins with only slight differences for albumins. The higher protein levels in Negroes may be due to higher gamma-globulin levels. Income also had some bearing on protein levels, inasmuch as mean levels were higher in the lower income groups due possibly to a similar mechnism as in the Negroes (i.e., higher gamma-globulin levels). In regard to the existence of nutritional protein deficiency these data do not provide any clear-cut evidence.

Age group 1-5 years.—From the results as presented in table 34, it appears that there is no protein problem in this age group.

Age groups 6-11, 12-17 years.—In the older children and adolescents the picture was slowly changing, inasmuch as at least in the income group above poverty level, white children had a greater percentage of low serum protein values than did Negro children. No such change occurred in the albumin values for which the percentage of low values was still zero (tables 35, 36).

Age group 18-44 years.—Both sexes showed a definite increase in the percentage of low serum protein values in adulthood, as compared to adolescence. Negroes had a much lower percentage of low values than did whites regardless of income. The percentage of low albumin was still very low in males of both races and income groups, but in females it was much higher. However, as already stated earlier (see discussion of 18-44 year age group regarding hemoglobin, hematocrit, etc.), females aged 18-44 years include pregnant women whose values would be at the low end of the distribution; if one would exclude the pregnant women, mean values would be somewhat higher and the percentage of low values for serum protein and albumin would be lower than is actually shown. The sex differences would be reduced, but would still exist. The percent cumulative distribution data showed that there were very few persons with really low values for serum protein and albumin in all subgroups. Income made some difference, inasmuch as the income group above poverty level for both races and sexes had a higher percent of low values for serum protein; for serum albumin, the percentages of low values were highest for Negro women in the lower income group. From this, it is clear that while the percent cumulative distribution of the serum proteins indicated a problem of low values in both races above poverty for males and in both races and income groups for females, the percent cumulative distribution of the serum albumin does indicate no similar problem except in the Negro women below poverty level.

Age groups 45-59 and 60 years and over.—The picture for the older adult groups showed no great changes from the one for younger adults. The percentages of low serum proteins increased further, particularly for whites in both income groups aged 45-59 years. The percentages of low serum albumins also showed some increase with age, more so in the 60 years and over age group. Whites showed consistently higher percentages of low total proteins than did Negroes regardless of income. Negroes aged 60 years and over in the income group below poverty level had higher percentages of low albumin than any of the other groups, while they had the lowest percentages of low serum protein. How can one explain some of these discrepancies? The fact that Negroes had consistently higher mean serum proteins and correspondingly a lower percent of low values than whites regardless of income and age (except in the 1-5 year age group) can be explained as follows: it is well known that Negroes have greater amounts of globulin, specifically gamma globulins in their serum with equal amounts of albumin (in the well nourished). The sum of equal amounts of albumin and greater amounts of gamma globulin raises the total serum proteins. Whether the higher gamma globulin in Negroes is due to genetic or environmental factors (more infections) is not discussed here.

Why is the percentage of low protein values higher in the income groups above poverty level for all age groups except for whites ages 45-59 years and white males ages 18-44 years? Mean values are consistently higher in the lower income groups. This may be due to a similar mechanism as in the Negroes; i.e., people in the lower income groups may have increased gamma globulins, consequently higher total serum proteins and lower percentages of low values. The consistent increases in the percentage of low serum proteins and albumins with age is not accompanied by a decrease in mean values. It may reflect, particularly in the older age groups, the increasing influence of disease factors on the serum proteins. Nothing more can be said on this at present. Why Negroes in the 60 years and over age group should have the highest mean serum proteins of all subgroups (with the lowest percent of low values) cannot be explained at this time. Data on their globulin levels which might help in explaining this discrepancy are not available.

Vitamin A.—Serum vitamin A levels show a relatively low correlation with dietary intake, still they are the only measure of possible nutritional

vitamin A deficiency. The cutoff points chosen are again similar to those in the Ten State Survey. They are assumed to be the same for all ages and sex groups.

Evidence from the data on serum vitamin A pointed to a potential problem of nutritional vitamin A deficiency in 10 percent of the Negro children aged 1-5 years. In all other age-sex-income and racial groups no such evidence existed. The steady increase of mean serum levels with age suggests the need for a revision of standards by taking these age differences into account.

Age group 1-5 years.—In this age group, Negroes had markedly lower mean values and correspondingly a higher percentage of low values. Differences by income were minor. From looking at the cumulative percentage distribution data, it becomes apparent that no child had a very low value (less than 10 μg/100 ml); the majority of low values below the cutoff point were in the intervals close to the cutoff point. These differences can be explained to a considerable extent on the basis of the differences found in dietary intake of vitamin A where the percentage of low intakes is greater in Negroes regardless of sex and income.

Age group 6-11 years.—The picture was changing markedly in the 6-11 year age group. Mean serum vitamin A levels were increasing as compared to those in the 1-5 year age group and correspondingly the percent of low values was decreasing in all subgroups—in the income group above poverty level to below 1 percent. The decrease was most remarkable in the Negro children.

Age groups 12-17, 18-44, 45-59, and 60 years and over.—With increasing age mean serum vitamin A values continued to increase and the percentage of low values decreased to low levels. Differences between races remained with whites usually showing higher mean levels. Income becomes a more important variable in the adult groups with those in the income group above poverty level having higher mean levels in both whites and Negroes. In the 18-44 age group, both white and Negro males in both income groups had considerably higher mean values than did females. This may be explained, at least in part, by higher mean intakes of vitamin A from the dietary data (table 5).

SUMMARY

Preliminary dietary intake and biochemical test findings among individuals 1-74 years of age in the noninstitutionalized population of the United States as obtained in the Health and Nutrition Examination Survey of 1971-1972 are presented and analyzed in this report. Analysis of data for certain groups at high risk of malnutrition—the poor, preschool children, women of childbearing ages, and the elderly are included. Age, sex, race, and income level differences in dietary intake and biochemical tests are also analyzed.

These preliminary data permit only limited general conclusions concerning the nutritional status of the U.S. population. There is evidence of a deficiency with respect to the nutrient iron, based on both the dietary intake and biochemical data. This dietary deficiency occurs at all age levels and is not limited to persons in the below poverty level group. The biochemical iron deficiency is more prevalent in the younger age groups, particularly children of ages 1-5 years. In the older age groups biochemical iron deficiency appears to be much less of a problem in spite of a greater percentage of persons with low hemoglobins indicating anemia. The cause of this anemia is not known at this time. The present report provides needed basic data on the distribution of the total U.S. population with respect to various biochemical test values and nutrient intakes. These should aid in identifying areas in which reexamination of standards may be necessary, and they provide baseline data against which future change can be measured. In addition to this, comparisons among subgroups do provide some evidence of relative deficiencies of specific nutrients, in particular age, sex, race, and income groupings in the population. Some of these principal findings are summarized below, first for dietary intake values and then for biochemical test results.

Dietary Intakes

The mean nutritive content of diets consumed by different age, sex, race, and income groups was compared with standards for iron, calcium, and vitamins A and C intakes. Major findings included:

(1) Iron, on the basis of mean intakes, was the nutrient most often found below the standard in population groups. This was shown in three age groups, for whites and Negroes in both income groups: children 1-5 years had means that were 31 to 40 percent below the standard; adolescents 12-17 years, 23 to 33 percent below the standard; and females 18-44 years, 41 to 51 percent below the standard.
(2) Negro children ages 6-11 years and both races of adults of ages 45-59 years in the lower income groups also consumed amounts of iron below the standards, means 19 and 11 percent below, respectively.
(3) Males of ages 18-44 years in both race and income groups were the only age group that showed mean iron intakes over 100 percent of the standard (with a range of 132 to 165 percent).
(4) All age groups for both race and income levels had calcium and vitamins A and C intakes that either approached (90 to 100 percent of the standard) or were above the standards. The exceptions were: Negro females of ages 18-44 years of both income levels who had inadequate mean calcium intakes of 20 to 23 percent below the standard, and white females of the same ages in the lower income group who had mean vitamin A intakes 18 percent below the standard.

Distribution of individuals by amounts of nutrients in their diets was obtained, making it possible to show proportions of individuals who had nutrients that did not meet the standards. These data for iron, calcium, and vitamins A and C intakes are summarized briefly as follows:

(1) Approximately 95 percent of the children of ages 1-5 years and females of ages 18-44 years in both race and income groups had iron intakes below the standard.
(2) About 65 percent of white and Negro adults of ages 60 years and over in the lower income group had iron intakes below the standard. The corresponding figure for adults of the same ages in the upper income group averaged about 56 percent.
(3) There was a lower percentage of white individuals in all age groups without regard to income level who had calcium intakes less than the standard in comparison to Negro individuals of comparable age, race, and income groups.
(4) White children of ages 1-5 years and white females of ages 18-44 years in the lower income group tend to have a higher percentage of individuals who have vitamins A and C intakes less than the standards than do Negro individuals of similar age-sex-income groups. Corresponding percentages in the upper income group were higher for Negroes than for whites.
(5) In the age group 60 years and over, white adults in the lower income group had a higher percentage of individuals with vitamin C intakes that did not meet the standard than did Negro adults of the same income group. On the other hand, Negro adults in the upper income group had a higher percentage of individuals with vitamin C values that did not meet the standard than did white adults.

Biochemical Tests

Major findings of the biochemical tests are summarized below:

(1) Negro adults of ages 60 years and over in the lower income group had the highest prevalence of low hemoglobin and low hematocrit values. Of this group, 29.6 percent had low hemoglobin values and 41.7 percent had low hematocrit values (table 39).
(2) In all adult age groups, all race and income groups had more than 10 percent with low hematocrit values.
(3) The percentage of Negroes with low hemoglobin values was more than four times that of whites in the 6-11 and 12-17 year age groups for each income level.

(4) The highest prevalence of low percent transferrin saturation values occurred in the 1-5, 6-11, and 12-17 year age groups. Negroes of ages 1-5 years in the income group above poverty level showed the highest prevalence of low values, 22.1 percent (table 34).

(5) In the age group 1-5 years, the prevalence of low transferrin saturation values greatly exceeded that of low serum iron, hemoglobin, and hematocrit values. For Negro adults in the age group 60 years and over the percentage with low transferrin saturation values was much less than the percentage with low hemoglobin and hematocrit values for both income groups.

(6) Negro children in the 1-5 year age group showed the highest prevalence of low serum vitamin A values. It was 9.1 percent in the lower income group and 10.3 percent in the income group above poverty level (table 34).

(7) There were no observed low serum albumin values in the 1-5, 6-11, and 12-17 year age groups.

(8) Whites had a higher prevalence of low serum protein values for all age groups regardless of income level.

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Sex and nutrients	Total[1]	White	Negro	Total[1]	White	Negro	Total[1]	White	Negro
	All income			Income below poverty level[2]			Income above poverty level[2]		
BOTH SEXES									
n	10,126	7,355	2,666	2,264	1,041	1,203	7,410	6,005	1,326
N	192,726	168,615	22,691	24,748	15,556	8,914	158,982	145,295	12,620
Calories									
Mean	2,042	2,072	1,810	1,787	1,846	1,681	2,080	2,095	1,905
Median	1,867	1,895	1,650	1,632	1,674	1,519	1,909	1,924	1,730
Protein (gm)									
Mean	81.04	82.48	70.05	68.98	71.79	64.15	82.68	83.35	74.40
Median	72.65	73.98	61.52	62.06	65.34	56.23	74.26	74.81	66.43
Calcium (mg)									
Mean	862	892	646	765	841	637	877	898	651
Median	717	746	564	634	689	556	735	755	572
Percent of standard	174	180	129	152	167	126	177	181	132
Iron (mg)									
Mean	12.10	12.28	10.69	10.54	10.89	9.91	12.31	12.39	11.31
Median	10.70	10.85	9.35	9.16	9.59	8.39	10.94	10.98	10.16
Percent of standard	99	101	85	85	89	78	101	101	91
Vitamin A (I.U.)									
Mean	4,731	4,745	4,647	4,366	4,251	4,581	4,781	4,782	4,782
Median	2,917	2,961	2,527	2,347	2,392	2,244	2,990	3,022	2,669
Percent of standard	148	148	149	145	141	152	149	148	151
Vitamin C (mg)									
Mean	83.91	85.22	73.18	65.79	61.70	72.37	86.61	87.52	74.35
Median	57.90	59.46	45.01	36.33	34.09	41.07	61.47	62.77	46.92
Percent of standard	162	164	145	134	126	148	166	168	144
MALE									
n	4,329	3,163	1,112	932	431	489	3,206	2,602	565
N	93,512	82,144	10,504	11,297	7,052	4,056	78,055	71,578	5,816
Calories									
Mean	2,446	2,488	2,139	2,061	2,135	1,929	2,502	2,522	2,296
Median	2,289	2,335	1,970	1,885	1,928	1,771	2,351	2,371	2,150
Protein (gm)									
Mean	96.04	97.93	82.06	79.51	82.64	74.31	98.37	99.30	87.96
Median	86.90	88.42	74.50	70.59	73.11	64.91	89.15	89.75	81.87

[1]Total includes all races.
[2]Excludes persons with unknown income.

NOTE: *n* = examined persons, *N* = estimated population in thousands.

Table 1. Intake of selected nutrients for persons aged 1-74 years by race and sex for income levels: number of persons, mean, median, and mean nutrient intake as a percent of standard, United States, 1971-72 (HANES Preliminary)—Con.

Sex and nutrients	Total[1]	White	Negro	Total[1]	White	Negro	Total[1]	White	Negro
MALE—Con.	All income			Income below poverty level[2]			Income above poverty level[2]		
Calcium (mg)									
Mean	1,011	1,046	752	886	982	730	1,027	1,050	764
Median	879	919	649	750	824	645	901	928	650
Percent of standard	223	232	164	192	214	157	227	233	170
Iron (mg)									
Mean	14.25	14.48	12.60	12.24	12.52	11.77	14.55	14.67	13.32
Median	12.75	13.01	10.78	10.32	10.67	9.56	13.13	13.23	11.78
Percent of standard	131	133	113	111	116	102	134	135	122
Vitamin A (I.U.)									
Mean	4,973	4,970	5,052	4,358	4,003	4,995	5,049	5,041	5,221
Median	3,321	3,396	2,735	2,468	2,469	2,504	3,460	3,503	2,820
Percent of standard	157	156	161	148	138	167	157	157	161
Vitamin C (mg)									
Mean	87.67	89.08	74.77	65.89	59.39	75.30	91.05	92.06	76.18
Median	59.86	62.14	45.61	34.93	31.74	43.31	64.51	66.33	47.08
Percent of standard	165	168	144	133	121	152	171	172	143
FEMALE									
n	5,797	4,192	1,554	1,332	610	714	4,204	3,403	761
N	99,214	86,470	12,188	13,451	8,504	4,858	80,927	73,718	6,804
Calories									
Mean	1,660	1,677	1,527	1,558	1,606	1,474	1,673	1,680	1,570
Median	1,564	1,580	1,421	1,460	1,508	1,360	1,574	1,583	1,450
Protein (gm)									
Mean	66.90	67.81	59.71	60.14	62.79	55.66	67.55	67.87	62.81
Median	60.92	62.11	51.99	54.27	57.25	49.82	61.87	62.38	54.32
Calcium (mg)									
Mean	721	745	555	662	724	560	733	750	555
Median	606	624	487	551	596	494	614	626	490
Percent of standard	127	131	100	118	128	100	129	132	100
Iron (mg)									
Mean	10.07	10.20	9.05	9.11	9.55	8.36	10.15	10.18	9.59
Median	9.08	9.19	7.93	8.06	8.43	7.36	9.19	9.21	8.53
Percent of standard	68	70	61	63	66	57	69	69	63
Vitamin A (I.U.)									
Mean	4,503	4,531	4,298	4,372	4,457	4,235	4,523	4,531	4,407
Median	2,587	2,617	2,275	2,221	2,291	2,093	2,630	2,636	2,516
Percent of standard	140	140	139	142	144	139	140	140	142
Vitamin C (mg)									
Mean	80.37	81.56	71.81	65.70	63.62	69.93	82.32	83.11	72.79
Median	55.78	57.22	43.94	36.91	36.09	39.29	58.86	59.71	46.77
Percent of standard	159	161	146	135	130	145	162	163	146

[1]Total includes all races.
[2]Excludes persons with unknown income.
NOTE: *n* = examined persons, *N* = estimated population in thousands.

Table 2. Intake of selected nutrients for persons aged 1-5 years by race for income levels: number of persons, mean, median, and mean nutrient intake as a percent of standard, United States, 1971-72 (HANES Preliminary)

Nutrients	Total[1]	White	Negro	Total[1]	White	Negro	Total[1]	White	Negro
	All income			Income below poverty level[2]			Income above poverty level[2]		
n	1,489	986	489	448	180	265	1,010	791	208
N	16,877	14,193	2,570	3,183	1,915	1,252	13,344	12,019	1,229
Calories									
Mean	1,583	1,609	1,436	1,511	1,592	1,387	1,598	1,607	1,507
Median	1,498	1,517	1,359	1,433	1,476	1,339	1,514	1,522	1,398
Protein (gm)									
Mean	58.42	59.57	52.22	55.81	58.19	52.30	59.01	59.65	52.94
Median	55.17	56.44	48.78	53.38	56.36	49.95	55.56	56.34	48.43
Calcium (mg)									
Mean	905	941	708	803	889	672	927	945	752
Median	841	869	656	720	814	629	861	874	668
Percent of standard	201	209	157	178	197	149	206	210	166
Iron (mg)									
Mean	8.26	8.36	7.72	7.90	8.20	7.41	8.35	8.36	8.24
Median	7.13	7.17	6.86	6.98	6.97	6.95	7.12	7.14	6.90
Percent of standard	68	69	62	64	67	60	68	69	66
Vitamin A (I.U.)									
Mean	3,262	3,160	3,826	3,413	3,200	3,746	3,217	3,137	4,003
Median	2,388	2,417	2,137	2,073	1,955	2,369	2,420	2,463	1,977
Percent of standard	163	158	191	171	160	187	161	157	199
Vitamin C (mg)									
Mean	71.84	72.97	64.14	58.78	55.02	64.63	74.88	75.65	64.24
Median	46.04	46.77	38.95	31.93	30.13	42.46	49.47	50.06	35.60
Percent of standard	180	182	160	147	138	161	187	189	160

[1]Total includes all races.
[2]Excludes persons with unknown income.

NOTE: *n* = examined persons, *N* = estimated population in thousands.

Table 3. Intake of selected nutrients for persons aged 6-11 years by race for income levels: number of persons, mean, median, and mean nutrient intake as a percent of standard, United States, 1971-72 (HANES Preliminary)

Nutrients	Total[1]	White	Negro	Total[1]	White	Negro	Total[1]	White	Negro
	All income			Income below poverty level[2]			Income above poverty level[2]		
n	1,067	738	324	312	133	177	721	587	131
N	24,835	21,056	3,690	5,294	3,415	1,831	18,695	17,050	1,602
Calories									
Mean	2,060	2,103	1,806	1,933	2,059	1,690	2,103	2,118	1,943
Median	1,952	1,991	1,690	1,782	1,879	1,537	1,997	2,015	1,827
Protein (gm)									
Mean	76.10	77.88	65.98	71.66	76.82	62.22	77.64	78.19	71.48
Median	72.28	74.00	59.86	66.97	72.53	56.58	73.78	74.39	66.06
Calcium (mg)									
Mean	1,073	1,125	776	911	1,002	751	1,127	1,154	821
Median	995	1,074	720	831	972	653	1,059	1,104	780
Percent of standard	210	220	155	181	199	151	221	226	163
Iron (mg)									
Mean	10.40	10.52	9.70	10.40	11.16	8.90	10.43	10.40	10.74
Median	9.71	9.81	9.03	9.55	10.28	8.15	9.75	9.73	9.97
Percent of standard	96	97	89	95	102	81	96	96	100
Vitamin A (I.U.)									
Mean	4,088	4,158	3,708	4,174	4,369	3,847	4,042	4,067	3,780
Median	2,990	3,066	2,414	2,477	2,584	2,344	3,113	3,147	2,773
Percent of standard	164	166	148	167	175	154	162	163	150
Vitamin C (mg)									
Mean	75.56	76.30	69.35	61.11	58.66	66.30	79.77	79.77	74.19
Median	50.48	51.86	44.62	34.95	32.48	41.44	57.10	57.25	54.30
Percent of standard	189	191	173	153	147	166	199	199	184

[1] Total includes all races.
[2] Excludes persons with unknown income.

NOTE: *n* = examined persons, *N* = estimated population in thousands.

Table 4. Intake of selected nutrients for persons aged 12-17 years by race for income levels: number of persons, mean, median, and mean nutrient intake as a percent of standard, United States, 1971-72 (HANES Preliminary)

Nutrients	Total[1]	White	Negro	Total[1]	White	Negro	Total[1]	White	Negro
	All income			Income below poverty level[2]			Income above poverty level[2]		
n	1,045	708	326	264	93	168	732	582	143
N	24,747	21,051	3,432	3,626	2,023	1,571	19,694	17,820	1,684
Calories									
Mean	2,346	2,387	2,083	1,990	2,076	1,877	2,401	2,423	2,164
Median	2,125	2,162	1,926	1,806	1,827	1,766	2,189	2,206	2,022
Protein (gm)									
Mean	89.06	91.20	75.03	75.96	80.51	69.56	91.61	93.04	75.53
Median	79.20	80.22	69.79	67.36	68.95	63.41	81.53	81.98	74.84
Calcium (mg)									
Mean	1,110	1,163	769	888	1,041	688	1,144	1,175	790
Median	971	1,020	703	744	909	614	996	1,020	812
Percent of standard	176	185	120	143	171	108	181	186	123
Iron (mg)									
Mean	12.56	12.64	11.95	11.55	11.28	11.87	12.72	12.82	11.55
Median	10.94	11.01	10.19	9.71	9.69	9.65	11.23	11.25	10.46
Percent of standard	75	76	70	68	67	70	76	77	68
Vitamin A (I.U.)									
Mean	4,219	4,334	3,423	3,688	3,477	3,764	4,340	4,457	3,025
Median	2,708	2,803	2,060	2,410	2,651	2,011	2,771	2,836	2,091
Percent of standard	128	132	103	109	103	112	132	135	91
Vitamin C (mg)									
Mean	77.90	78.11	73.61	72.51	71.32	73.75	79.54	79.48	74.04
Median	49.78	50.82	38.74	38.59	40.41	36.97	52.04	52.25	41.69
Percent of standard	160	161	152	149	145	153	163	164	152

[1]Total includes all races.
[2]Excludes persons with unknown income.

NOTE: *n* = examined persons, *N* = estimated population in thousands.

Table 5. Intake of selected nutrients for persons aged 18-44 years by race and sex for income levels: number of persons, mean, median, and mean nutrient intake as a percent of standard, United States, 1971-72 (HANES Preliminary)

Sex and nutrients	Total[1]	White	Negro	Total[1]	White	Negro	Total[1]	White	Negro
MALE	All income			Income below poverty level[2]			Income above poverty level[2]		
n	1,038	808	211	128	62	61	866	714	140
N	34,341	30,458	3,440	2,538	1,504	936	30,482	27,756	2,393
Calories									
Mean	2,787	2,825	2,558	2,529	2,573	2,502	2,806	2,834	2,607
Median	2,631	2,674	2,382	2,205	2,251	2,241	2,652	2,686	2,437
Protein (gm)									
Mean	110.70	112.73	96.88	101.10	108.64	92.01	111.22	112.62	99.31
Median	102.98	104.55	94.00	99.58	102.94	100.03	103.05	104.25	93.74
Calcium (mg)									
Mean	1,029	1,066	764	934	1,065	761	1,028	1,056	773
Median	835	881	636	699	759	650	843	882	632
Percent of standard	249	258	186	227	263	183	249	255	189
Iron (mg)									
Mean	16.54	16.84	14.43	15.63	16.84	14.22	16.60	16.83	14.61
Median	15.27	15.46	13.97	15.32	17.29	11.58	15.23	15.35	14.32
Percent of standard	158	161	138	149	165	132	159	161	141
Vitamin A (I.U.)									
Mean	5,186	5,145	5,709	5,265	5,194	5,751	5,169	5,125	5,799
Median	3,627	3,696	2,974	2,236	2,332	2,389	3,745	3,768	3,303
Percent of standard	148	147	163	150	148	164	148	146	166
Vitamin C (mg)									
Mean	92.59	94.93	72.55	70.95	65.45	70.68	94.85	96.96	74.12
Median	62.46	65.73	39.71	43.30	30.95	46.32	64.72	68.11	39.17
Percent of standard	156	160	122	120	109	120	160	164	124

[1]Total includes all races.
[2]Excludes persons with unknown income.

NOTE: *n* = examined persons, *N* = estimated population in thousands.

Table 5. Intake of selected nutrients for persons aged 18-44 years by race and sex for income levels: number of persons, mean, median, and mean nutrient intake as a percent of standard, United States, 1971-72 (HANES Preliminary)—Con.

Sex and nutrients	Total[1]	White	Negro	Total[1]	White	Negro	Total[1]	White	Negro
FEMALE	All income			Income below poverty level[2]			Income above poverty level[2]		
n	2,406	1,758	618	463	205	253	1,834	1,478	333
N	37,134	32,342	4,541	4,252	2,679	1,536	31,365	28,331	2,840
Calories									
Mean	1,674	1,691	1,529	1,602	1,651	1,510	1,680	1,690	1,546
Median	1,568	1,587	1,422	1,481	1,545	1,357	1,569	1,581	1,445
Protein (gm)									
Mean	67.94	68.79	60.61	62.17	65.32	56.63	68.53	68.82	63.46
Median	60.67	61.56	52.36	54.79	58.37	49.03	61.26	61.48	56.22
Calcium (mg)									
Mean	636	660	467	598	665	484	642	660	460
Median	521	542	381	455	512	375	528	543	391
Percent of standard	106	110	78	99	110	80	107	110	77
Iron (mg)									
Mean	10.48	10.60	9.40	9.68	10.14	8.79	10.58	10.63	9.84
Median	9.36	9.46	8.26	8.59	9.16	7.93	9.44	9.46	8.69
Percent of standard	58	59	52	54	57	49	59	59	55
Vitamin A (I.U.)									
Mean	4,018	3,950	4,477	3,765	2,912	5,276	4,038	4,027	4,091
Median	2,496	2,505	2,397	2,109	2,125	1,975	2,537	2,540	2,498
Percent of standard	114	112	127	106	82	149	114	114	116
Vitamin C (mg)									
Mean	79.28	80.35	71.33	64.16	59.34	73.40	81.02	82.01	69.67
Median	52.87	53.85	44.69	34.93	33.18	42.30	55.79	56.67	45.22
Percent of standard	145	147	130	117	108	132	148	150	127

[1]Total includes all races.
[2]Excludes persons with unknown income.

NOTE: *n* = examined persons, *N* = estimated population in thousands.

Table 6. Intake of selected nutrients for persons aged 45-59 years by race for income levels: number of persons, mean, median, and mean nutrient intake as a percent of standard, United States, 1971-72 (HANES Preliminary)

Nutrients	Total[1]	White	Negro	Total[1]	White	Negro	Total[1]	White	Negro
	All income			Income below poverty level[2]			Income above poverty level[2]		
n	1,143	871	263	165	76	88	916	749	159
N	34,232	30,796	3,228	2,743	1,623	1,074	29,452	27,323	1,966
Calories									
Mean	1,927	1,955	1,627	1,560	1,633	1,461	1,961	1,973	1,724
Median	1,803	1,836	1,528	1,466	1,558	1,384	1,833	1,852	1,585
Protein (gm)									
Mean	82.01	82.68	74.92	63.52	62.83	65.35	83.36	83.45	80.33
Median	76.74	77.90	63.09	57.34	58.74	56.43	78.23	78.59	67.05
Calcium (mg)									
Mean	712	735	514	583	642	512	727	745	510
Median	586	608	386	476	561	323	598	616	420
Percent of standard	152	157	111	124	134	113	155	159	109
Iron (mg)									
Mean	12.72	12.88	11.05	10.26	10.61	9.94	12.91	12.98	11.76
Median	11.82	12.02	9.94	9.24	10.03	8.74	12.03	12.12	10.60
Percent of standard	109	111	94	88	89	89	111	112	99
Vitamin A (I.U.)									
Mean	5,542	5,549	5,504	7,006	8,257	5,233	5,489	5,459	5,912
Median	3,259	3,288	2,740	2,189	2,066	2,412	3,403	3,407	2,970
Percent of standard	158	159	157	200	236	149	157	156	169
Vitamin C (mg)									
Mean	89.53	90.68	79.28	66.32	55.79	84.02	91.62	92.55	78.74
Median	67.05	68.90	49.90	28.03	26.88	48.59	71.44	73.03	49.74
Percent of standard	156	158	138	116	99	145	160	161	138

[1]Total includes all races.
[2]Excludes persons with unknown income.
NOTE: *n* = examined persons, *N* = estimated population in thousands.

Table 7. Intake of selected nutrients for persons aged 60 years and over by race for income levels: number of persons, mean, median, and mean nutrient intake as a percent of standard, United States, 1971-72 (HANES Preliminary)

Nutrients	Total[1]	White	Negro	Total[1]	White	Negro	Total[1]	White	Negro
	All income			Income below poverty level[2]			Income above poverty level[2]		
n	1,938	1,486	435	484	292	191	1,331	1,104	212
N	20,560	18,719	1,791	3,113	2,397	714	15,949	14,996	906
Calories									
Mean	1,641	1,660	1,441	1,434	1,455	1,365	1,679	1,686	1,559
Median	1,509	1,536	1,247	1,297	1,331	1,159	1,542	1,558	1,334
Protein (gm)									
Mean	68.41	69.36	58.14	57.72	58.28	55.77	69.40	69.81	62.25
Median	61.27	62.83	48.95	51.87	54.54	47.57	62.74	63.47	51.41
Calcium (mg)									
Mean	649	662	521	583	598	533	666	674	539
Median	544	554	418	474	472	488	562	572	421
Percent of standard	136	139	110	118	121	108	140	142	117
Iron (mg)									
Mean	11.23	11.34	10.02	9.57	9.64	9.32	11.41	11.43	10.91
Median	9.94	10.13	8.02	8.36	8.53	7.45	10.22	10.33	8.72
Percent of standard	112	113	100	95	95	93	114	114	109
Vitamin A (I.U.)									
Mean	6,507	6,467	6,956	4,216	3,771	5,710	6,914	6,860	7,903
Median	3,124	3,124	3,109	2,727	2,764	2,501	3,173	3,163	3,349
Percent of standard	186	185	199	120	108	163	198	196	226
Vitamin C (mg)									
Mean	95.69	96.20	88.11	70.63	67.56	80.95	99.15	99.16	94.67
Median	77.61	79.71	63.66	43.30	43.36	43.02	80.83	81.87	67.12
Percent of standard	168	169	153	124	119	141	174	174	165

[1] Total includes all races.
[2] Excludes persons with unknown income.

NOTE: *n* = examined person, *N* = estimated population in thousands.

Table 8. Mean caloric intake and mean intake per 1,000 calories of selected nutrients for persons aged 1-74 years by sex and race for income levels, United States, 1971-72 (HANES Preliminary)

Sex and race	*n*	*N*	Mean caloric intake	Mean nutrient intake per 1,000 calories				
				Protein (gm)	Calcium (mg)	Iron (mg)	Vitamin A (I.U.)	Vitamin C (mg)
Both sexes				All income				
Total[1]	10,126	192,726	2,042	39.69	422.14	5.93	2,317	41.09
White	7,355	168,615	2,072	39.81	430.50	5.93	2,290	41.13
Negro	2,666	22,691	1,810	38.70	356.91	5.91	2,567	40.43
				Income below poverty level[2]				
Total[1]	2,264	24,748	1,787	38.60	428.09	5.90	2,443	36.82
White	1,041	15,556	1,846	38.89	455.58	5.90	2,303	33.42
Negro	1,203	8,914	1,681	38.16	378.94	5.90	2,725	43.05
				Income above poverty level[2]				
Total[1]	7,410	158,982	2,080	39.75	421.64	5.92	2,299	41.64
White	6,005	145,295	2,095	39.79	428.64	5.91	2,283	41.78
Negro	1,326	12,620	1,905	39.06	341.73	5.94	2,510	39.03
Male				All income				
Total[1]	4,329	93,512	2,446	39.26	413.33	5.83	2,033	35.84
White	3,163	82,144	2,488	39.36	420.42	5.82	1,998	35.80
Negro	1,112	10,504	2,139	39.36	351.57	5.89	2,362	34.96
				Income below poverty level[2]				
Total[1]	932	11,297	2,061	38.58	429.89	5.94	2,115	31.97
White	431	7,052	2,135	38.71	459.95	5.86	1,875	27.82
Negro	489	4,056	1,929	38.52	378.43	6.10	2,590	39.04
				Income above poverty level[2]				
Total[1]	3,206	78,055	2,502	39.32	410.47	5.82	2,018	36.39
White	2,602	71,578	2,522	39.37	416.34	5.82	1,999	36.50
Negro	565	5,816	2,296	38.31	332.75	5.80	2,274	33.18
Female				All income				
Total[1]	5,797	99,214	1,660	40.30	434.34	6.07	2,713	48.42
White	4,192	86,470	1,677	40.44	444.25	6.08	2,702	48.63
Negro	1,554	12,188	1,527	39.10	363.46	5.93	2,815	47.03
				Income below poverty level[2]				
Total[1]	1,332	13,451	1,558	38.60	424.90	5.85	2,806	42.17
White	610	8,504	1,606	39.10	450.81	5.95	2,775	39.61
Negro	714	4,858	1,474	37.76	379.92	5.67	2,873	47.44
				Income above poverty level[2]				
Total[1]	4,204	80,927	1,673	40.38	438.14	6.07	2,704	49.21
White	3,403	73,718	1,680	40.40	446.43	6.06	2,697	49.47
Negro	761	6,804	1,570	40.01	353.50	6.11	2,807	46.36

[1] Total includes all races.
[2] Excludes persons with unknown income.

NOTE: *n* = examined persons, *N* = estimated population in thousands.

Table 9. Mean caloric intake and mean intake per 1,000 calories of selected nutrients for persons aged 1-5 years by race for income levels, United States, 1971-72 (HANES Preliminary)

Race	*n*	*N*	Mean caloric intake	Mean nutrient intake per 1,000 calories				
				Protein (gm)	Calcium (mg)	Iron (mg)	Vitamin A (I.U.)	Vitamin C (mg)
				All income				
Total[1]	1,489	16,877	1,583	36.91	571.70	5.22	2,061	45.38
White	986	14,193	1,609	37.02	584.84	5.20	1,964	45.35
Negro	489	2,570	1,436	36.37	493.04	5.38	2,664	44.67
				Income below poverty level[2]				
Total[1]	448	3,183	1,511	36.94	531.44	5.23	2,259	38.90
White	180	1,915	1,592	36.55	558.42	5.15	2,010	34.56
Negro	265	1,252	1,387	37.71	484.50	5.34	2,701	46.60
				Income above poverty level[2]				
Total[1]	1,010	13,344	1,598	36.93	580.10	5.23	2,013	46.86
White	791	12,019	1,607	37.12	588.05	5.20	1,952	47.08
Negro	208	1,229	1,507	35.13	499.01	5.47	2,656	42.63

[1]Total includes all races.
[2]Excludes persons with unknown income.

NOTE: *n* = examined persons, *N* = estimated population in thousands.

Table 10. Mean caloric intake and mean intake per 1,000 calories of selected nutrients for persons aged 6-11 years by race for income levels, United States, 1971-72 (HANES Preliminary)

Race	*n*	*N*	Mean caloric intake	Mean nutrient intake per 1,000 calories				
				Protein (gm)	Calcium (mg)	Iron (mg)	Vitamin A (I.U.)	Vitamin C (mg)
	All income							
Total[1]	1,067	24,835	2,060	36.94	520.87	5.05	1,984	36.68
White	738	21,056	2,103	37.03	534.95	5.00	1,977	36.28
Negro	324	3,690	1,806	36.53	429.68	5.37	2,053	38.40
	Income below poverty level[2]							
Total[1]	312	5,294	1,933	37.07	471.29	5.38	2,159	31.61
White	133	3,415	2,059	37.31	486.64	5.42	2,122	28.49
Negro	177	1,831	1,690	36.82	444.38	5.27	2,276	39.23
	Income above poverty level[2]							
Total[1]	721	18,695	2,103	36.92	535.90	4.96	1,922	37.93
White	587	17,050	2,118	36.92	544.85	4.91	1,920	37.66
Negro	131	1,602	1,943	36.79	422.54	5.53	1,945	38.18

[1]Total includes all races.
[2]Excludes persons with unknown income.

NOTE: *n* = examined persons, *N* = estimated population in thousands.

Table 11. Mean caloric intake and mean intake per 1,000 calories of selected nutrients for persons aged 12-17 years by race for income levles, United States, 1971-72 (HANES Preliminary)

Race	*n*	*N*	Mean caloric intake	Mean nutrient intake per 1,000 calories				
				Protein (gm)	Calcium (mg)	Iron (mg)	Vitamin A (I.U.)	Vitamin C (mg)
	All income							
Total[1]	1,045	24,747	2,346	37.96	473.15	5.35	1,798	33.21
White	708	21,051	2,387	38.21	487.22	5.30	1,816	32.72
Negro	326	3,432	2,083	36.02	369.18	5.74	1,643	35.34
	Income below povery level[2]							
Total[1]	264	3,626	1,990	38.17	446.23	5.80	1,853	36.44
White	93	2,023	2,076	38.78	501.45	5.43	1,675	34.36
Negro	168	1,571	1,877	37.06	366.54	6.32	2,005	39.29
	Income above poverty level[2]							
Total[1]	732	19,694	2,401	38.16	476.47	5.30	1,807	33.13
White	582	17,820	2,423	38.40	484.94	5.29	1,840	32.80
Negro	143	1,684	2,164	34.90	365.07	5.34	1,398	34.21

[1]Total includes all races.
[2]Excludes persons with unknown income.

NOTE: *n* = examined persons, *N* = estimated population in thousands.

Table 12. Mean caloric intake and mean intake per 1,000 calories of selected nutrients for persons aged 18-44 years by sex and race for income levels, United States, 1971-72 (HANES Preliminary)

Sex and race	*n*	*N*	Mean caloric intake	Mean nutrient intake per 1,000 calories				
				Protein (gm)	Calcium (mg)	Iron (mg)	Vitamin A (I.U.)	Vitamin C (mg)
Male				All income				
Total[1]	1,038	34,341	2,787	39.72	369.21	5.94	1,861	33.22
White	808	30,458	2,825	39.90	377.35	5.96	1,821	33.60
Negro	211	3,440	2,558	37.87	298.67	5.64	2,232	28.36
				Income below poverty level[2]				
Total[1]	128	2,538	2,529	39.98	369.32	6.18	2,082	28.06
White	62	1,504	2,573	42.22	413.91	6.55	2,019	25.44
Negro	61	936	2,502	36.78	304.16	5.68	2,299	28.25
				Income above poverty level[2]				
Total[1]	866	30,482	2,806	39.64	366.36	5.92	1,842	33.80
White	714	27,756	2,834	39.74	372.62	5.94	1,808	34.21
Negro	140	2,393	2,607	38.09	296.51	5.60	2,224	28.43
Female				All income				
Total[1]	2,406	37,134	1,674	40.59	379.93	6.26	2,400	47.36
White	1,758	32,342	1,691	40.68	390.30	6.27	2,336	47.52
Negro	618	4,541	1,529	39.64	305.43	6.15	2,928	46.65
				Income below poverty level[2]				
Total[1]	463	4,252	1,602	38.81	373.28	6.04	2,350	40.05
White	205	2,679	1,651	39.56	402.79	6.14	1,764	35.94
Negro	253	1,536	1,510	37.50	320.53	5.82	3,494	48.61
				Income above poverty level[2]				
Total[1]	1,834	31,365	1,680	40.79	382.14	6.30	2,404	48.23
White	1,478	28,331	1,690	40.72	390.53	6.29	2,383	48.53
Negro	333	2,840	1,546	41.05	297.54	6.37	2,646	45.07

[1]Total includes all races.
[2]Excludes persons with unknown income.

NOTE: *n* = examined persons, *N* = estimated population in thousands.

Table 13. Mean caloric intake and mean intake per 1,000 calories of selected nutrients for persons aged 45-59 years by race for income levels, United States, 1971-72 (HANES Preliminary)

Race	*n*	*N*	Mean caloric intake	Mean nutrient intake per 1,000 calories				
				Protein (gm)	Calcium (mg)	Iron (mg)	Vitamin A (I.U.)	Vitamin C (mg)
				All income				
Total[1]	1,143	34,232	1,927	42.56	369.49	6.60	2,876	46.46
White	871	30,796	1,955	42.29	375.96	6.59	2,838	46.38
Negro	263	3,228	1,627	46.05	315.92	6.79	3,383	48.73
				Income below poverty level[2]				
Total[1]	165	2,743	1,560	40.72	373.72	6.58	4,491	42.51
White	76	1,623	1,633	38.48	393.14	6.50	5,056	34.16
Negro	88	1,074	1,461	44.73	350.45	6.80	3,582	57.51
				Income above poverty level[2]				
Total[1]	916	29,452	1,961	42.51	370.73	6.58	2,799	46.72
White	749	27,323	1,973	42.30	377.60	6.58	2,767	46.91
Negro	159	1,966	1,724	46.60	295.82	6.82	3,429	45.67

[1]Total includes all races.
[2]Excludes persons with unknown income.

NOTE: *n* = examined persons, *N* = estimated population in thousands.

Table 14. Mean caloric intake and mean intake per 1,000 calories of selected nutrients for persons aged 60 years and over by race for income levels, United States, 1971-72 (HANES Preliminary)

Race	*n*	*N*	Mean caloric intake	Mean nutrient intake per 1,000 calories				
				Protein (gm)	Calcium (mg)	Iron (mg)	Vitamin A (I.U.)	Vitamin C (mg)
			All income					
Total[1]	1,938	20,560	1,641	41.69	395.49	6.84	3,965	58.31
White	1,486	18,719	1,660	41.78	398.80	6.83	3,896	57.95
Negro	435	1,791	1,441	40.35	361.55	6.95	4,827	61.15
			Income below poverty level[2]					
Total[1]	484	3,113	1,434	40.25	406.56	6.67	2,940	49.25
White	292	2,397	1,455	40.06	411.00	6.63	2,592	46.43
Negro	191	714	1,365	40.86	390.48	6.83	4,183	59.30
			Income above poverty level[2]					
Total[1]	1,331	15,949	1,679	41.33	396.67	6.80	4,118	59.05
White	1,104	14,996	1,686	41.41	399.76	6.78	4,069	58.81
Negro	212	906	1,559	39.93	345.73	7.00	5,069	60.73

[1]Total includes all races.
[2]Excludes persons with unknown income.
NOTE: *n* = examined persons, *N* = estimated population in thousands.

TABLE 15. CUMULATIVE PERCENTAGE DISTRIBUTION OF CALORIC INTAKE VALUES FOR PERSONS AGED 1-5 BY RACE FOR INCOME LEVELS: UNITED STATES, 1971-72 (HANES PRELIMINARY)

CALORIES	1/TOTAL			WHITE			NEGRO		
	n	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT
	ALL INCOME								
TOTAL.....	1,489	16,877	100.00	986	14,193	100.00	489	2,570	100.00
LESS THAN 250.....	2	18	0.11	-	-	0.00	2	18	0.69
250-499.....	16	116	0.79	11	86	0.60	5	30	1.87
500-749.....	61	532	3.95	27	317	2.84	34	215	10.24
750-999.....	182	1,795	14.58	102	1,439	12.97	78	350	23.85
1000-1249.....	256	2,900	31.76	173	2,383	29.76	81	499	43.27
1250-1499.....	276	3,102	50.14	180	2,690	48.71	93	398	58.77
1500-1749.....	250	3,033	68.11	174	2,622	67.19	73	380	73.56
1750-1999.....	160	1,783	78.68	107	1,507	77.81	51	253	83.40
2000-2249.....	100	1,285	86.29	76	1,132	85.78	23	133	88.57
2250-2499.....	83	1,133	93.00	60	967	92.59	22	164	94.96
2500-2749.....	39	462	95.74	31	414	95.51	8	47	96.80
2750-2999.....	25	329	97.69	17	290	97.56	8	39	98.33
3000-3249.....	12	76	98.14	9	71	98.06	3	5	98.51
3250-3499.....	7	70	98.55	3	61	98.49	4	9	98.85
3500-3749.....	8	89	99.08	7	84	99.08	1	5	99.03
3750-3999.....	3	59	99.43	2	39	99.36	1	20	99.80
4000-4249.....	2	28	99.60	2	28	99.55	-	-	99.80
4250-4499.....	3	30	99.77	2	27	99.74	1	3	99.91
4500-4749.....	1	9	99.82	1	9	99.80	-	-	99.91
4750-4999.....	2	16	99.91	1	13	99.90	1	2	100.00
GREATER THAN 4999.....	1	14	100.00	1	14	100.00	-	-	100.00

1/TOTAL INCLUDES ALL RACES.
NOTE: *n*=EXAMINED PERSONS, *N*=ESTIMATED POPULATION IN THOUSANDS.

TABLE 15. CUMULATIVE PERCENTAGE DISTRIBUTION OF CALORIC INTAKE VALUES FOR PERSONS AGED 1-5 BY RACE FOR INCOME LEVELS: UNITED STATES, 1971-72 (HAVES PRELIMINARY)-CON.

CALORIES	1/TOTAL			WHITE			NEGRO		
	n	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT
	2/INCOME BELOW POVERTY LEVEL								
TOTAL	448	3,183	100.00	180	1,915	100.00	265	1,252	100.00
LESS THAN 250	1	4	0.12	-	-	0.00	1	4	0.30
250-499	5	34	1.18	3	9	0.48	2	25	2.26
500-749	29	217	7.99	7	98	5.05	22	129	12.60
750-999	63	389	20.20	20	205	15.75	41	177	26.74
1000-1249	76	512	36.28	34	288	30.81	42	223	44.58
1250-1499	85	597	55.03	35	407	52.04	50	190	59.80
1500-1749	72	567	72.86	30	373	71.51	42	195	75.35
1750-1999	46	272	81.41	19	162	79.99	26	100	83.34
2000-2249	26	171	86.78	12	79	84.12	14	92	90.68
2250-2499	17	188	92.69	5	117	90.26	12	71	96.32
2500-2749	11	120	96.45	6	94	95.18	5	25	98.35
2750-2999	8	43	97.81	3	29	96.70	5	14	99.47
3000-3249	4	5	97.98	2	3	96.88	2	2	99.63
3250-3499	1	16	98.47	1	16	97.71	-	-	99.63
3500-3749	2	21	99.14	1	17	98.58	1	5	100.00
3750-3999	-	-	99.14	-	-	98.58	-	-	100.00
4000-4249	-	-	99.14	-	-	98.58	-	-	100.00
4250-4499	1	14	99.58	1	14	99.31	-	-	100.00
4500-4749	-	-	99.58	-	-	99.31	-	-	100.00
4750-4999	1	13	100.00	1	13	100.00	-	-	100.00
GREATER THAN 4999	-	-	100.00	-	-	100.00	-	-	100.00
	2/INCOME ABOVE POVERTY LEVEL								
TOTAL	1,010	13,344	100.00	791	12,019	100.00	208	1,229	100.00
LESS THAN 250	-	-	0.00	-	-	0.00	-	-	0.00
250-499	10	80	0.60	8	77	0.64	2	4	0.31
500-749	31	302	2.87	20	229	2.55	11	73	6.23
750-999	116	1,398	13.34	82	1,234	12.81	34	164	19.59
1000-1249	175	2,347	30.93	137	2,073	30.06	36	256	40.45
1250-1499	185	2,410	48.99	141	2,197	48.34	41	198	56.60
1500-1749	176	2,461	67.43	144	2,250	67.06	29	181	71.30
1750-1999	109	1,465	78.40	84	1,300	77.88	24	152	83.66
2000-2249	71	1,056	86.32	62	1,010	86.28	8	26	85.79
2250-2499	64	895	93.03	53	800	92.93	10	93	93.39
2500-2749	27	340	95.57	25	320	95.60	2	20	94.99
2750-2999	17	286	97.72	14	261	97.77	3	25	97.04
3000-3249	7	55	98.13	6	52	98.20	1	3	97.27
3250-3499	6	54	98.53	2	45	98.58	4	9	97.98
3500-3749	6	68	99.04	6	68	99.14	-	-	97.98
3750-3999	3	59	99.48	2	39	99.47	1	20	99.59
4000-4249	2	28	99.69	2	28	99.70	-	-	99.59
4250-4499	2	16	99.81	1	13	99.81	1	3	99.81
4500-4749	1	9	99.87	1	9	99.88	-	-	99.81
4750-4999	1	2	99.89	-	-	99.88	1	2	100.00
GREATER THAN 4999	1	14	100.00	1	14	100.00	-	-	100.00

1/TOTAL INCLUDES ALL RACES.
2/EXCLUDES PERSONS WITH UNKNOWN INCOME.
NOTE: *n*=EXAMINED PERSONS, *N*=ESTIMATED POPULATION IN THOUSANDS.

TABLE 16. CUMULATIVE PERCENTAGE DISTRIBUTION OF CALORIC INTAKE VALUES FOR PERSONS AGED 18-44 BY SEX AND RACE FOR INCOME LEVELS: UNITED STATES, 1971-72 (HANES PRELIMINARY)

	CALORIES	TOTAL			MALE			FEMALE		
		n	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT
		ALL INCOME								
1	TOTAL.....	3,444	71,474	100.00	1,038	34,341	100.00	2,406	37,134	100.00
2	LESS THAN 250.....	8	78	0.11	-	-	0.00	8	78	0.21
3	250-499.....	46	504	0.81	3	24	0.07	43	480	1.50
4	500-749.....	153	2,274	4.00	7	258	0.82	146	2,016	6.93
5	750-999.....	276	4,431	10.20	26	755	3.02	250	3,676	16.83
6	1000-1249.....	354	5,759	18.25	36	902	5.65	318	4,857	29.91
7	1250-1499.....	425	7,177	28.29	49	1,256	9.30	376	5,921	45.86
8	1500-1749.....	417	7,505	38.80	64	1,884	14.79	353	5,621	60.99
9	1750-1999.....	377	7,668	49.52	86	2,975	23.46	291	4,692	73.63
10	2000-2249.....	312	6,742	58.96	108	3,789	34.49	204	2,953	81.58
11	2250-2499.....	252	5,751	67.00	98	3,462	44.57	154	2,290	87.75
12	2500-2749.....	217	5,306	74.43	113	3,569	54.96	104	1,737	92.43
13	2750-2999.....	132	3,464	79.27	87	2,692	62.80	45	772	94.51
14	3000-3249.....	103	2,674	83.01	76	2,230	69.30	27	443	95.70
15	3250-3499.....	104	3,246	87.55	75	2,709	77.18	29	537	97.15
16	3500-3749.....	74	2,201	90.63	51	1,734	82.23	23	467	98.40
17	3750-3999.....	50	1,671	92.97	38	1,492	86.58	12	179	98.89
18	4000-4249.....	32	1,508	95.08	29	1,426	90.73	3	81	99.10
19	4250-4499.....	24	748	96.13	16	617	92.53	8	131	99.46
20	4500-4749.....	22	602	96.97	16	508	94.01	6	94	99.71
21	4750-4999.....	24	795	98.08	22	769	96.24	2	27	99.78
22	GREATER THAN 4999.....	42	1,370	100.00	38	1,290	100.00	4	81	100.00

NOTE: *n*=EXAMINED PERSONS, *N*=ESTIMATED POPULATION IN THOUSANDS.

TABLE 16. CUMULATIVE PERCENTAGE DISTRIBUTION OF CALORIC INTAKE VALUES FOR PERSONS AGED 18-44 BY SEX AND RACE FOR INCOME LEVELS: UNITED STATES, 1971-72 (HANES PRELIMINARY)-CON.

WHITE MALE			WHITE FEMALE			NEGRO MALE			NEGRO FEMALE			
n	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT	
ALL INCOME												
808	30,458	100.00	1,758	32,342	100.00	211	3,440	100.00	618	4,541	100.00	1
-	-	0.00	7	76	0.24	-	-	0.00	1	2	0.05	2
-	-	0.00	24	322	1.23	3	24	0.70	19	157	3.52	3
4	213	0.70	89	1,631	6.27	3	45	2.00	56	373	11.74	4
19	673	2.91	166	3,041	15.68	6	78	4.26	83	613	25.24	5
23	723	5.28	237	4,235	28.77	10	80	6.58	78	617	38.82	6
30	1,007	8.59	282	5,142	44.67	18	244	13.66	91	737	55.05	7
46	1,601	13.85	259	4,979	60.06	16	239	20.61	90	611	68.51	8
64	2,546	22.21	226	4,179	72.99	22	429	33.08	59	473	78.92	9
78	3,093	32.36	157	2,655	81.19	23	455	46.31	45	284	85.18	10
78	3,208	42.89	112	2,036	87.49	18	241	53.31	37	234	90.33	11
88	3,114	53.12	78	1,537	92.24	23	422	65.56	24	189	94.49	12
75	2,544	61.47	33	669	94.31	12	148	69.87	11	87	96.42	13
58	1,930	67.80	24	435	95.65	18	301	78.61	3	9	96.61	14
66	2,537	76.13	21	466	97.10	8	170	83.55	8	71	98.17	15
41	1,520	81.13	20	460	98.52	10	214	89.76	3	7	98.33	16
35	1,480	85.99	9	138	98.95	3	12	90.11	1	3	98.39	17
27	1,378	90.51	3	81	99.20	2	49	91.53	-	-	98.39	18
13	560	92.35	5	92	99.48	3	56	93.17	3	39	99.25	19
13	474	93.90	3	69	99.69	3	34	94.16	3	25	99.81	20
17	649	96.03	1	24	99.77	5	120	97.63	1	3	99.88	21
33	1,208	100.00	2	75	100.00	5	82	100.00	2	5	100.00	22

TABLE 16. CUMULATIVE PERCENTAGE DISTRIBUTION OF CALORIC INTAKE VALUES FOR PERSONS AGED 18-44 BY SEX AND RACE FOR INCOME LEVELS: UNITED STATES, 1971-72 (HANES PRELIMINARY)-CON.

	CALORIES	TOTAL			MALE			FEMALE		
		n	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT
		2/INCOME BELOW POVERTY LEVEL								
1	TOTAL.....	591	6,790	100.00	128	2,538	100.00	463	4,252	100.00
2	LESS THAN 250.....	1	27	0.40	-	-	0.00	1	27	0.64
3	250-499.....	16	99	1.86	2	12	0.48	14	87	2.68
4	500-749.....	55	585	10.47	4	132	5.69	51	453	13.33
5	750-999.....	53	370	15.92	3	24	6.63	50	346	21.46
6	1000-1249.....	80	811	27.86	13	121	11.42	67	690	37.68
7	1250-1499.....	84	763	39.10	14	195	19.11	70	568	51.04
8	1500-1749.....	75	748	50.12	15	256	29.20	60	492	62.62
9	1750-1999.....	60	789	61.75	13	292	40.70	47	497	74.31
10	2000-2249.....	39	630	71.02	9	287	52.02	30	342	82.36
11	2250-2499.....	39	365	76.39	11	164	58.47	28	201	87.09
12	2500-2749.....	26	312	80.99	6	111	62.85	20	201	91.81
13	2750-2999.....	19	248	84.63	11	194	70.49	8	54	93.07
14	3000-3249.....	15	401	90.54	8	231	79.61	7	170	97.06
15	3250-3499.....	3	51	91.30	2	43	81.33	1	8	97.25
16	3500-3749.....	8	163	93.69	4	111	85.71	4	51	98.46
17	3750-3999.....	2	31	94.15	1	26	86.71	1	5	98.58
18	4000-4249.....	3	81	95.34	2	56	88.94	1	25	99.16
19	4250-4499.....	3	44	95.99	1	10	89.35	2	34	99.95
20	4500-4749.....	3	45	96.66	2	43	91.06	1	2	100.00
21	4750-4999.....	2	78	97.81	2	78	94.13	-	-	100.00
22	GREATER THAN 4999.....	5	149	100.00	5	149	100.00	-	-	100.00
		2/INCOME ABOVE POVERTY LEVEL								
1	TOTAL.....	2,700	61,847	100.00	866	30,482	100.00	1,834	31,365	100.00
2	LESS THAN 250.....	7	51	0.08	-	-	0.00	7	51	0.16
3	250-499.....	25	374	0.69	-	-	0.00	25	374	1.36
4	500-749.....	92	1,642	3.34	3	126	0.41	89	1,516	6.19
5	750-999.....	211	3,914	9.67	22	727	2.80	189	3,187	16.35
6	1000-1249.....	261	4,799	17.43	22	758	5.28	239	4,041	29.23
7	1250-1499.....	327	6,219	27.48	33	1,011	8.60	294	5,207	45.84
8	1500-1749.....	318	6,240	37.57	46	1,491	13.49	272	4,748	60.97
9	1750-1999.....	298	6,504	48.09	68	2,562	21.90	230	3,943	73.54
10	2000-2249.....	257	5,888	57.61	94	3,369	32.95	163	2,519	81.58
11	2250-2499.....	200	5,094	65.85	82	3,170	43.35	118	1,924	87.71
12	2500-2749.....	184	4,838	73.67	102	3,332	54.28	82	1,505	92.51
13	2750-2999.....	107	3,153	78.77	75	2,489	62.45	32	664	94.62
14	3000-3249.....	85	2,182	82.29	65	1,908	68.71	20	274	95.50
15	3250-3499.....	96	3,048	87.22	68	2,519	76.97	28	529	97.19
16	3500-3749.....	61	1,923	90.33	45	1,567	82.11	16	356	98.32
17	3750-3999.....	48	1,640	92.98	37	1,467	86.93	11	173	98.87
18	4000-4249.....	27	1,286	95.06	25	1,230	90.96	2	57	99.05
19	4250-4499.....	21	704	96.20	15	606	92.95	6	97	99.36
20	4500-4749.....	18	451	96.93	13	359	94.12	5	92	99.66
21	4750-4999.....	22	717	98.09	20	690	96.39	2	27	99.74
22	GREATER THAN 4999.....	35	1,181	100.00	31	1,100	100.00	4	81	100.00

2/EXCLUDES PERSONS WITH UNKNOWN INCOME.
NOTE: *n*=EXAMINED PERSONS, *N*=ESTIMATED POPULATION IN THOUSANDS.

TABLE 16. CUMULATIVE PERCENTAGE DISTRIBUTION OF CALORIC INTAKE VALUES FOR PERSONS AGED 18-44 BY SEX AND RACE FOR INCOME LEVELS: UNITED STATES, 1971-72 (HANES PRELIMINARY)-CON.

WHITE MALE			WHITE FEMALE			NEGRO MALE			NEGRO FEMALE			
n	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT	
2/INCOME BELOW POVERTY LEVEL												
62	1,504	100.00	205	2,679	100.00	61	936	100.00	253	1,536	100.00	1
-	-	0.00	1	27	1.01	-	-	0.00	-	-	0.00	2
-	-	0.00	4	33	2.23	2	12	1.31	10	54	3.53	3
2	97	6.46	23	275	12.50	2	35	5.04	28	177	15.08	4
2	15	7.49	14	155	18.30	1	9	5.96	36	190	27.47	5
5	83	13.03	28	426	34.20	6	31	9.22	37	260	44.37	6
5	68	17.56	32	366	47.87	9	127	22.80	38	201	57.49	7
6	203	31.05	29	315	59.65	9	53	28.46	30	167	68.36	8
8	169	42.28	28	388	74.13	5	123	41.62	18	97	74.66	9
3	115	49.95	12	207	81.87	3	81	50.31	18	135	83.46	10
8	139	59.18	12	99	85.55	3	25	52.97	16	102	90.12	11
3	38	61.69	9	110	89.65	3	73	60.81	10	81	95.40	12
7	134	70.62	3	31	90.79	4	60	67.18	5	23	96.89	13
2	42	73.44	5	164	96.90	6	189	87.39	2	6	97.28	14
1	40	76.11	1	8	97.20	1	3	87.75	-	-	97.28	15
2	101	82.79	2	45	98.89	2	11	88.88	2	6	97.67	16
1	26	84.49	1	5	99.08	-	-	88.88	-	-	97.67	17
2	56	88.25	1	25	100.00	-	-	88.88	-	-	97.67	18
1	10	88.94	-	-	100.00	-	-	88.88	2	34	99.87	19
1	31	90.99	-	-	100.00	1	13	90.22	1	2	100.00	20
1	49	94.22	-	-	100.00	1	30	93.38	-	-	100.00	21
2	87	100.00	-	-	100.00	3	62	100.00	-	-	100.00	22
2/INCOME ABOVE POVERTY LEVEL												
714	27,756	100.00	1,478	28,331	100.00	140	2,393	100.00	333	2,840	100.00	1
-	-	0.00	6	49	0.17	-	-	0.00	1	2	0.08	2
-	-	0.00	18	277	1.15	-	-	0.00	7	97	3.49	3
2	116	0.42	65	1,333	5.85	1	10	0.41	23	171	9.52	4
17	658	2.79	145	2,763	15.61	5	69	3.30	43	403	23.70	5
17	617	5.01	201	3,694	28.65	4	49	5.36	37	344	35.83	6
23	889	8.21	242	4,653	45.07	9	117	10.23	50	515	53.97	7
37	1,261	12.76	215	4,327	60.34	7	186	18.00	55	418	68.68	8
54	2,292	21.02	186	3,569	72.94	14	270	29.27	39	346	80.86	9
72	2,873	31.37	137	2,367	81.30	18	346	43.74	24	137	85.70	10
67	2,957	42.02	94	1,777	87.57	13	200	52.10	19	128	90.19	11
82	2,973	52.73	68	1,401	92.51	19	333	66.03	13	103	93.82	12
67	2,400	61.38	26	587	94.59	8	89	69.74	5	61	95.96	13
54	1,802	67.87	19	271	95.54	11	106	74.18	1	3	96.05	14
60	2,350	76.34	20	458	97.16	7	167	81.14	8	71	98.55	15
37	1,364	81.25	15	355	98.41	8	203	89.62	1	1	98.59	16
34	1,455	86.49	8	133	98.88	3	12	90.13	1	3	98.69	17
23	1,181	90.75	2	57	99.08	2	49	92.17	-	-	98.69	18
12	550	92.73	5	92	99.41	3	56	94.53	1	5	98.87	19
11	337	93.94	3	69	99.65	2	21	95.42	2	23	99.69	20
16	600	96.11	1	24	99.73	4	90	99.18	1	3	99.81	21
29	1,081	100.00	2	75	100.00	2	20	100.00	2	5	100.00	22

TABLE 17. CUMULATIVE PERCENTAGE DISTRIBUTION OF CALORIC INTAKE VALUES FOR PERSONS AGED 60 AND OVER BY RACE FOR INCOME LEVELS: UNITED STATES, 1971-72 (HANES PRELIMINARY)

CALORIES	1/TOTAL			WHITE			NEGRO		
	n	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT
	ALL INCOME								
TOTAL	1,938	20,560	100.00	1,486	18,719	100.00	435	1,791	100.00
LESS THAN 250	5	26	0.13	1	2	0.01	4	23	1.30
250-499	40	401	2.08	22	337	1.82	18	64	4.66
500-749	124	825	6.09	73	672	5.41	51	153	13.37
750-999	240	2,340	17.47	166	2,065	16.44	68	258	27.78
1000-1249	299	3,438	34.19	229	3,028	32.62	67	403	50.27
1250-1499	341	3,137	49.45	258	2,817	47.66	82	320	68.13
1500-1749	287	3,175	64.89	233	3,023	63.81	53	141	76.03
1750-1999	202	1,902	74.14	166	1,757	73.20	33	142	83.93
2000-2249	147	1,656	82.19	122	1,594	81.72	24	61	87.34
2250-2499	92	1,331	88.66	74	1,243	88.36	18	87	92.21
2500-2749	54	893	93.01	49	838	92.84	5	54	95.24
2750-2999	34	443	95.16	30	423	95.10	4	20	96.36
3000-3249	17	206	96.17	14	197	96.15	2	8	96.81
3250-3499	16	180	97.04	13	171	97.06	3	9	97.31
3500-3749	13	222	98.12	12	212	98.19	-	-	97.31
3750-3999	8	154	98.87	7	153	99.01	1	1	97.35
4000-4249	4	63	99.18	4	63	99.35	-	-	97.35
4250-4499	5	55	99.45	5	55	99.65	-	-	97.35
4500-4749	2	49	99.69	1	12	99.71	1	37	99.41
4750-4999	5	36	99.86	5	36	99.90	-	-	99.41
GREATER THAN 4999	3	29	100.00	2	18	100.00	1	11	100.00

1/TOTAL INCLUDES ALL RACES.
NOTE: *n*=EXAMINED PERSONS, *N*=ESTIMATED POPULATION IN THOUSANDS.

TABLE 17. CUMULATIVE PERCENTAGE DISTRIBUTIOM OF CALORIC INTAKE VALUES FOR PERSONS AGED 60 AND OVER BY RACE FOR INCOME LEVELS: UNITED STATES, 1971-72 (HANES PRELIMINARY)-CON.

CALORIES	1/TOTAL			WHITE			NEGRO		
	n	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT
	2/INCOME BELOW POVERTY LEVEL								
TOTAL	484	3,113	100.00	292	2,397	100.00	191	714	100.00
LESS THAN 250	3	17	0.55	1	2	0.10	2	15	2.06
250-499	23	180	6.35	11	130	5.53	12	50	9.09
500-749	44	204	12.90	23	141	11.40	21	63	17.97
750-999	86	514	29.41	50	383	27.37	36	131	36.28
1000-1249	76	537	46.67	46	383	43.35	30	154	57.89
1250-1499	84	554	64.47	57	493	63.90	27	61	66.47
1500-1749	52	237	72.07	27	180	71.40	25	57	74.42
1750-1999	50	318	82.28	36	246	81.68	13	70	84.28
2000-2249	19	134	86.57	12	105	86.06	7	28	88.25
2250-2499	21	146	91.27	12	105	90.46	9	41	93.98
2500-2749	10	116	94.99	7	98	94.54	3	18	96.51
2750-2999	7	103	98.29	4	91	98.35	3	11	98.06
3000-3249	3	21	98.95	2	19	99.16	1	2	98.27
3250-3499	1	2	99.01	-	-	99.16	1	2	98.53
3500-3749	1	9	99.32	1	9	99.55	-	-	98.53
3750-3999	-	-	99.32	-	-	99.55	-	-	98.53
4000-4249	1	-	99.33	1	-	99.57	-	-	98.53
4250-4499	1	5	99.49	1	5	99.78	-	-	98.53
4500-4749	-	-	99.49	-	-	99.78	-	-	98.53
4750-4999	1	5	99.66	1	5	100.00	-	-	98.53
GREATER THAN 4999	1	11	100.00	-	-	100.00	1	11	100.00
	2/INCOME ABOVE POVERTY LEVEL								
TOTAL	1,331	15,949	100.00	1,104	14,996	100.00	212	906	100.00
LESS THAN 250	-	-	0.00	-	-	0.00	-	-	0.00
250-499	16	216	1.35	11	207	1.38	5	9	0.98
500-749	72	579	4.98	46	499	4.71	26	80	9.80
750-999	143	1,735	15.86	113	1,647	15.69	25	74	17.92
1000-1249	202	2,662	32.55	166	2,435	31.93	33	219	42.13
1250-1499	235	2,350	47.28	184	2,136	46.17	50	213	65.68
1500-1749	215	2,561	63.34	188	2,476	62.69	26	74	73.81
1750-1999	143	1,450	72.43	121	1,377	71.87	20	71	81.66
2000-2249	110	1,312	80.66	97	1,285	80.44	12	27	84.59
2250-2499	67	1,120	87.68	60	1,076	87.62	7	43	89.35
2500-2749	43	771	92.51	41	734	92.51	2	36	93.35
2750-2999	26	334	94.61	25	326	94.69	1	9	94.33
3000-3249	14	186	95.77	12	178	95.87	1	7	95.05
3250-3499	12	105	96.43	10	98	96.53	2	7	95.85
3500-3749	10	204	97.71	9	194	97.82	-	-	95.85
3750-3999	8	154	98.68	7	153	98.84	1	1	95.93
4000-4249	3	63	99.07	3	63	99.26	-	-	95.93
4250-4499	4	50	99.39	4	50	99.59	-	-	95.93
4500-4749	2	49	99.69	1	12	99.67	1	37	100.00
4750-4999	4	30	99.88	4	30	99.88	-	-	100.00
GREATER THAN 4999	2	18	100.00	2	18	100.00	-	-	100.00

1/TOTAL INCLUDES ALL RACES.
2/EXCLUDES PERSONS WITH UNKNOWN INCOME.
NOTE: *n*=EXAMINED PERSONS, *N*=ESTIMATED POPULATION IN THOUSANDS.

TABLE 18. CUMULATIVE PERCENTAGE DISTRIBUTION OF PROTEIN INTAKE VALUES FOR PERSONS AGED 1-5 BY RACE FOR INCOME LEVELS: UNITED STATES, 1971-72 (HANES PRELIMINARY)

PROTEIN (GMS)	1/TOTAL			WHITE			NEGRO		
	n	*N*	CUMULATIVE PER CENT	*n*	*N*	CUMULATIVE PER CENT	*n*	*N*	CUMULATIVE PER-CENT
	ALL INCOME								
TOTAL	1,489	16,877	100.00	986	14,193	100.00	489	2,570	100.00
LESS THAN 5	-	-	0.00	-	-	0.00	-	-	0.00
5-9	4	42	0.25	1	4	0.03	3	38	1.50
10-14	14	161	1.20	6	79	0.58	8	82	4.70
15-19	12	127	1.96	6	113	1.38	6	14	5.24
20-24	49	528	5.09	37	424	4.37	12	103	9.27
25-29	71	715	9.33	33	541	8.18	38	174	16.06
30-34	91	831	14.25	54	646	12.74	35	178	22.98
35-44	277	2,906	31.47	173	2,428	29.84	102	451	40.51
45-49	154	1,637	41.17	93	1,303	39.03	59	322	53.04
50-59	235	2,877	58.22	154	2,416	56.05	80	451	70.61
60-69	212	2,599	73.62	149	2,320	72.40	58	226	79.40
70-79	144	1,594	83.07	110	1,433	82.49	34	162	85.69
80-89	97	1,259	90.53	71	1,027	89.72	25	230	94.64
90-99	49	709	94.73	38	652	94.32	11	56	96.84
100-109	28	382	96.99	23	356	96.83	5	26	97.86
110-119	16	190	98.12	11	157	97.93	4	31	99.07
120-129	12	85	98.62	9	77	98.48	3	8	99.36
130-139	5	52	98.93	5	52	98.84	-	-	99.36
140-149	6	38	99.15	3	32	99.06	3	7	99.62
150-159	1	10	99.22	1	10	99.14	-	-	99.62
160-169	3	61	99.58	2	57	99.54	1	5	99.80
170-179	1	4	99.60	1	4	99.57	-	-	99.80
180-189	1	3	99.62	-	-	99.57	1	3	99.91
190-199	4	26	99.77	3	23	99.73	1	2	100.00
200-209	1	18	99.88	1	18	99.85	-	-	100.00
210-219	1	6	99.91	1	6	99.90	-	-	100.00
220-229	1	14	100.00	1	14	100.00	-	-	100.00
230-239	-	-	100.00	-	-	100.00	-	-	100.00
240-249	-	-	100.00	-	-	100.00	-	-	100.00
GREATER THAN 249	-	-	100.00	-	-	100.00	-	-	100.00

1/TOTAL INCLUDES ALL RACES.
NOTE: *n*=EXAMINED PERSONS, *N*=ESTIMATED POPULATION IN THOUSANDS.

TABLE 18. CUMULATIVE PERCENTAGE DISTRIBUTION OF PROTEIN INTAKE VALUES FOR PERSONS AGED 1-5 BY RACE FOR INCOME LEVELS: UNITED STATES, 1971-72 (HANES PRELIMINARY)-CON.

PROTEIN (GMS)	1/TOTAL			WHITE			NEGRO		
	n	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT
	2/INCOME BELOW POVERTY LEVEL								
TOTAL	448	3,183	100.00	180	1,915	100.00	265	1,252	100.00
LESS THAN 5	-	-	0.00	-	-	0.00	-	-	0.00
5-9	2	24	0.77	-	-	0.00	2	24	1.96
10-14	9	122	4.61	4	59	3.07	5	63	7.03
15-19	6	34	5.67	1	21	4.20	5	12	8.00
20-24	10	61	7.60	5	20	5.25	5	41	11.29
25-29	21	149	12.29	5	69	8.88	16	80	17.66
30-34	36	219	19.17	11	101	14.17	23	111	26.52
35-44	87	489	34.55	36	315	30.61	51	175	40.48
45-49	48	303	44.07	19	183	40.18	29	120	50.07
50-59	75	557	61.58	24	296	55.61	50	252	70.20
60-69	57	559	79.15	25	442	78.71	32	117	79.55
70-79	42	238	86.64	22	143	86.17	20	95	87.17
80-89	20	113	90.20	10	53	88.93	10	61	92.01
90-99	12	134	94.40	7	92	93.72	5	42	95.36
100-109	6	67	96.49	3	47	96.18	3	19	96.91
110-119	6	56	98.25	3	34	97.98	3	22	98.65
120-129	5	16	98.76	2	9	98.43	3	8	99.26
130-139	1	3	98.85	1	3	98.58	-	-	99.26
140-149	3	18	99.41	1	13	99.27	2	5	99.63
150-159	-	-	99.41	-	-	99.27	-	-	99.63
160-169	1	5	99.56	-	-	99.27	1	5	100.00
170-179	-	-	99.56	-	-	99.27	-	-	100.00
180-189	-	-	99.56	-	-	99.27	-	-	100.00
190-199	1	14	100.00	1	14	100.00	-	-	100.00
200-209	-	-	100.00	-	-	100.00	-	-	100.00
210-219	-	-	100.00	-	-	100.00	-	-	100.00
220-229	-	-	100.00	-	-	100.00	-	-	100.00
230-239	-	-	100.00	-	-	100.00	-	-	100.00
240-249	-	-	100.00	-	-	100.00	-	-	100.00
GREATER THAN 249	-	-	100.00	-	-	100.00	-	-	100.00
	2/INCOME ABOVE POVERTY LEVEL								
TOTAL	1,010	13,344	100.00	791	12,019	100.00	208	1,229	100.00
LESS THAN 5	-	-	0.00	-	-	0.00	-	-	0.00
5-9	1	4	0.03	1	4	0.03	-	-	0.00
10-14	5	39	0.32	2	20	0.20	3	19	1.52
15-19	6	94	1.02	5	92	0.96	1	2	1.69
20-24	37	463	4.49	31	402	4.31	6	60	6.60
25-29	49	553	8.64	28	472	8.23	21	82	13.24
30-34	55	612	13.22	43	545	12.77	12	67	18.70
35-44	184	2,374	31.02	136	2,087	30.13	46	260	39.85
45-49	101	1,267	40.51	72	1,074	39.07	27	182	54.62
50-59	156	2,273	57.55	128	2,079	56.37	28	194	70.37
60-69	152	2,014	72.64	122	1,853	71.79	25	108	79.15
70-79	97	1,286	82.27	85	1,237	82.08	12	49	83.14
80-89	75	1,126	90.71	59	955	90.02	15	169	96.93
90-99	35	528	94.67	29	514	94.29	6	14	98.11
100-109	22	316	97.03	20	308	96.86	2	7	98.68
110-119	10	134	98.04	8	123	97.88	1	9	99.42
120-129	7	69	98.55	7	69	98.45	-	-	99.42
130-139	4	49	98.92	4	49	98.86	-	-	99.42
140-149	3	20	99.07	2	18	99.01	1	2	99.59
150-159	1	10	99.15	1	10	99.10	-	-	99.59
160-169	2	57	99.57	2	57	99.57	-	-	99.59
170-179	1	4	99.60	1	4	99.60	-	-	99.59
180-189	1	3	99.63	-	-	99.60	1	3	99.81
190-199	3	12	99.71	2	9	99.68	1	2	100.00
200-209	1	18	99.85	1	18	99.83	-	-	100.00
210-219	1	6	99.89	1	6	99.88	-	-	100.00
220-229	1	14	100.00	1	14	100.00	-	-	100.00
230-239	-	-	100.00	-	-	100.00	-	-	100.00
240-249	-	-	100.00	-	-	100.00	-	-	100.00
GREATER THAN 249	-	-	100.00	-	-	100.00	-	-	100.00

1/TOTAL INCLUDES ALL RACES.
2/EXCLUDES PERSONS WITH UNKNOWN INCOME.
NOTE: *n*=EXAMINED PERSONS, *N*=ESTIMATED POPULATION IN THOUSANDS.

TABLE 19. CUMULATIVE PERCENTAGE DISTRIBUTION OF PROTEIN INTAKE VALUES FOR PERSONS AGED 18-44 BY SEX AND RACE FOR INCOME LEVELS: UNITED STATES, 1971-72 (HANES PRELIMINARY)

	PROTEIN (GMS)	TOTAL			MALE			FEMALE		
		n	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT
		ALL INCOME								
1	TOTAL	3,444	71,474	100.00	1,038	34,341	100.00	2,406	37,134	100.00
2	LESS THAN 5	7	78	0.11	1	12	0.03	6	66	0.18
3	5-9	16	148	0.32	2	66	0.23	14	81	0.40
4	10-14	23	280	0.71	1	4	0.24	22	276	1.14
5	15-19	62	884	1.94	6	133	0.63	56	751	3.16
6	20-24	77	1,101	3.48	3	100	0.92	74	1,001	5.86
7	25-29	91	1,344	5.36	8	80	1.15	83	1,264	9.26
8	30-34	131	1,779	7.85	10	225	1.80	121	1,554	13.45
9	35-44	343	5,546	15.61	36	1,050	4.86	307	4,496	25.56
10	45-49	202	3,460	20.45	22	625	6.68	180	2,835	33.19
11	50-59	414	7,819	31.39	59	1,892	12.19	355	5,927	49.15
12	60-69	390	7,410	41.76	86	2,727	20.14	304	4,683	61.76
13	70-79	345	7,326	52.01	103	3,490	30.30	242	3,836	72.09
14	80-89	265	5,420	59.60	79	2,487	37.54	186	2,932	79.99
15	90-99	249	5,575	67.40	106	3,303	47.16	143	2,272	86.11
16	100-109	170	4,479	73.66	88	3,271	56.69	82	1,208	89.36
17	110-119	141	3,564	78.65	73	2,355	63.54	68	1,209	92.62
18	120-129	110	3,132	83.03	67	2,364	70.43	43	768	94.68
19	130-139	86	2,303	86.25	58	1,858	75.84	28	445	95.88
20	140-149	76	2,227	89.37	54	1,869	81.28	22	358	96.85
21	150-159	49	1,508	91.48	34	1,312	85.10	15	196	97.38
22	160-169	43	1,363	93.38	30	1,183	88.55	13	179	97.86
23	170-179	30	1,075	94.89	20	818	90.93	10	257	98.55
24	180-189	34	946	96.21	23	802	93.26	11	144	98.94
25	190-199	16	561	97.00	14	521	94.78	2	40	99.05
26	200-209	18	334	97.46	10	210	95.39	8	124	99.38
27	210-219	13	443	98.08	12	441	96.68	1	2	99.39
28	220-229	8	187	98.35	7	184	97.21	1	3	99.39
29	230-239	8	264	98.71	6	240	97.91	2	24	99.46
30	240-249	4	121	98.88	2	78	98.14	2	43	99.57
31	GREATER THAN 249	23	797	100.00	18	639	100.00	5	158	100.00

NOTE: *n*=EXAMINED PERSONS, *N*=ESTIMATED POPULATION IN THOUSANDS.

TABLE 19. CUMULATIVE PERCENTAGE DISTRIBUTION OF PROTEIN INTAKE VALUES FOR PERSONS AGED 18-44 BY SEX AND RACE FOR INCOME LEVELS: UNITED STATES, 1971-72 (HANES PRELIMINARY)-CON.

WHITE MALE			WHITE FEMALE			NEGRO MALE			NEGRO FEMALE			
n	*N*	CUMULATIVE PER CENT	*n*	*N*	CUMULATIVE PER-CENT	*n*	*N*	CUMULATIVE PER-CENT	*n*	*N*	CUMULATIVE PER-CENT	
ALL INCOME												
808	30,458	100.00	1,758	32,342	100.00	211	3,440	100.00	618	4,541	100.00	1
-	-	0.00	5	64	0.20	1	12	0.34	1	3	0.06	2
1	58	0.19	10	68	0.41	1	9	0.59	4	13	0.35	3
-	-	0.19	13	222	1.10	1	4	0.70	8	42	1.27	4
3	85	0.47	32	528	2.73	3	48	2.10	24	223	6.19	5
2	94	0.78	40	759	5.07	1	6	2.26	34	242	11.53	6
2	47	0.93	53	1,119	8.53	5	27	3.04	30	145	14.72	7
8	215	1.64	76	1,289	12.52	2	10	3.34	45	265	20.55	8
24	934	4.71	221	3,735	24.07	11	111	6.58	85	744	36.93	9
15	528	6.44	127	2,321	31.24	7	97	9.40	48	479	47.47	10
39	1,551	11.53	279	5,415	47.99	18	247	16.59	73	487	58.20	11
58	2,190	18.73	231	4,160	60.85	26	477	30.46	70	498	69.17	12
78	3,028	28.67	179	3,417	71.41	22	370	41.22	62	412	78.25	13
68	2,238	36.01	146	2,715	79.81	9	216	47.49	37	210	82.87	14
84	2,988	45.82	111	1,913	85.72	18	216	53.76	29	309	89.69	15
70	2,790	54.98	61	1,111	89.16	16	471	67.47	16	83	91.52	16
51	1,975	61.47	52	1,056	92.43	20	337	77.25	16	152	94.88	17
57	2,215	68.74	36	743	94.72	10	149	81.58	7	25	95.43	18
51	1,795	74.63	20	374	95.88	7	63	83.42	8	71	97.00	19
43	1,691	80.18	13	266	96.70	11	177	88.58	7	56	98.24	20
28	1,146	83.95	12	189	97.28	6	165	93.38	2	6	98.37	21
28	1,167	87.78	9	146	97.74	2	17	93.86	4	33	99.11	22
18	782	90.34	8	251	98.51	2	37	94.93	2	5	99.23	23
19	759	92.84	9	121	98.89	4	43	96.19	2	23	99.73	24
12	472	94.39	1	25	98.96	2	49	97.60	-	-	99.73	25
8	177	94.97	6	115	99.32	2	33	98.55	1	3	99.79	26
12	441	96.42	-	-	99.32	-	-	98.55	1	2	99.84	27
7	184	97.02	1	3	99.33	-	-	98.55	-	-	99.84	28
4	202	97.68	1	22	99.39	2	38	99.66	1	2	99.89	29
1	70	97.91	2	43	99.53	1	8	99.89	-	-	99.89	30
17	636	100.00	4	153	100.00	1	4	100.00	1	5	100.00	31

TABLE 19. CUMULATIVE PERCENTAGE DISTRIBUTION OF PROTEIN INTAKE VALUES FOR PERSONS AGED 18-44 BY SEX AND RACE FOR INCOME LEVELS: UNITED STATES, 1971-72 (HANES PRELIMINARY)-CON.

	PROTEIN (GMS)	TOTAL			MALE			FEMALE		
		n	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT
		2/INCOME BELOW POVERTY LEVEL								
1	TOTAL	591	6,790	100.00	128	2,538	100.00	463	4,252	100.00
2	LESS THAN 5	2	30	0.44	-	-	0.00	2	30	0.70
3	5-9	5	76	1.57	2	66	2.61	3	10	0.94
4	10-14	9	49	2.28	1	4	2.76	8	45	1.99
5	15-19	22	229	5.66	3	45	4.55	19	184	6.32
6	20-24	23	146	7.80	-	-	4.55	23	146	9.74
7	25-29	23	175	10.38	4	26	5.58	19	149	13.24
8	30-34	30	200	13.33	2	13	6.09	28	188	17.65
9	35-44	77	724	23.99	8	98	9.94	69	626	32.37
10	45-49	54	561	32.25	6	98	13.79	48	463	43.27
11	50-59	70	762	43.48	11	165	20.30	59	597	57.31
12	60-69	62	569	51.85	13	181	27.42	49	388	66.43
13	70-79	57	757	63.01	15	336	40.68	42	421	76.34
14	80-89	30	373	68.50	6	110	45.01	24	263	82.53
15	90-99	32	355	73.74	9	132	50.21	23	223	87.78
16	100-109	22	482	80.83	10	360	64.38	12	122	90.65
17	110-119	15	229	84.20	8	136	69.74	7	93	92.83
18	120-129	13	262	88.05	3	75	72.69	10	187	97.22
19	130-139	13	210	91.14	8	164	79.16	5	45	98.29
20	140-149	7	77	92.27	5	71	81.95	2	6	98.43
21	150-159	3	115	93.97	2	113	86.39	1	3	98.50
22	160-169	9	179	96.61	5	161	92.75	4	18	98.92
23	170-179	3	51	97.36	2	47	94.61	1	3	99.00
24	180-189	-	-	97.36	-	-	94.61	-	-	99.00
25	190-199	2	29	97.78	1	4	94.78	1	25	99.58
26	200-209	4	67	98.77	2	53	96.87	2	14	99.90
27	210-219	1	2	98.80	-	-	96.87	1	2	99.95
28	220-229	1	49	99.52	1	49	98.78	-	-	99.95
29	230-239	1	2	99.55	-	-	98.78	1	2	100.00
30	240-249	-	-	99.55	-	-	98.78	-	-	100.00
31	GREATER THAN 249	1	31	100.00	1	31	100.00	-	-	100.00
		2/INCOME ABOVE POVERTY LEVEL								
1	TOTAL	2,700	61,847	100.00	866	30,482	100.00	1,834	31,365	100.00
2	LESS THAN 5	3	29	0.05	-	-	0.00	3	29	0.09
3	5-9	9	64	0.15	-	-	0.00	9	64	0.30
4	10-14	12	201	0.47	-	-	0.00	12	201	0.94
5	15-19	37	638	1.51	3	88	0.29	34	551	2.69
6	20-24	52	937	3.02	3	100	0.62	49	837	5.36
7	25-29	65	1,136	4.86	4	53	0.79	61	1,083	8.81
8	30-34	96	1,547	7.36	8	212	1.49	88	1,334	13.07
9	35-44	253	4,624	14.84	26	925	4.52	227	3,699	24.86
10	45-49	136	2,704	19.21	15	460	6.03	121	2,244	32.01
11	50-59	327	6,766	30.15	44	1,650	11.45	283	5,116	48.33
12	60-69	312	6,602	40.82	70	2,453	19.49	242	4,149	61.55
13	70-79	276	6,311	51.03	84	3,006	29.35	192	3,305	72.09
14	80-89	220	4,770	58.74	72	2,349	37.06	148	2,421	79.81
15	90-99	203	5,009	66.84	91	3,081	47.17	112	1,928	85.95
16	100-109	141	3,834	73.04	76	2,822	56.43	65	1,012	89.18
17	110-119	121	3,195	78.21	63	2,140	63.45	58	1,056	92.55
18	120-129	91	2,784	82.71	60	2,256	70.85	31	528	94.23
19	130-139	70	2,023	85.98	47	1,624	76.18	23	400	95.50
20	140-149	66	1,995	89.20	46	1,643	81.57	20	352	96.63
21	150-159	45	1,341	91.37	31	1,148	85.33	14	193	97.24
22	160-169	31	1,120	93.18	24	988	88.57	7	132	97.67
23	170-179	26	919	94.67	17	665	90.75	9	254	98.47
24	180-189	32	816	95.99	21	673	92.96	11	144	98.93
25	190-199	13	523	96.84	12	508	94.63	1	16	98.98
26	200-209	13	262	97.26	7	152	95.12	6	110	99.33
27	210-219	12	441	97.97	12	441	96.57	-	-	99.33
28	220-229	7	138	98.20	6	135	97.01	1	3	99.34
29	230-239	7	262	98.62	6	240	97.80	1	22	99.41
30	240-249	3	104	98.79	2	78	98.06	1	26	99.50
31	GREATER THAN 249	21	750	100.00	16	592	100.00	5	158	100.00

2/EXCLUDES PERSONS WITH UNKNOWN INCOME
NOTE: *n*=EXAMINED PERSONS, *N*=ESTIMATED POPULATION IN THOUSANDS.

TABLE 19. CUMULATIVE PERCENTAGE DISTRIBUTION OF PROTEIN INTAKE VALUES FOR PERSONS AGED 18-44 BY SEX AND RACE FOR INCOME LEVELS: UNITED STATES, 1971-72 (HANES PRELIMINARY)-CON.

WHITE MALE			WHITE FEMALE			NEGRO MALE			NEGRO FEMALE			
n	*N*	CUMULATIVE PER CENT	*n*	*N*	CUMULATIVE PER CENT	*n*	*N*	CUMULATIVE PER CENT	*n*	*N*	CUMULATIVE PER CENT	
2/INCOME BELOW POVERTY LEVEL												
62	1,504	100.00	205	2,679	100.00	61	936	100.00	253	1,536	100.00	1
-	-	0.00	1	27	1.01	-	-	0.00	1	3	0.18	2
1	58	3.84	2	8	1.31	1	9	0.91	1	2	0.32	3
-	-	3.84	4	33	2.53	1	4	1.31	4	12	1.11	4
1	7	4.31	6	58	4.68	2	38	5.41	13	126	9.31	5
-	-	4.31	6	48	6.46	-	-	5.41	17	98	15.68	6
1	13	5.15	5	105	10.38	3	14	6.87	14	44	18.53	7
1	8	5.71	10	69	12.98	1	4	7.33	18	118	26.23	8
2	58	9.54	31	427	28.92	6	40	11.62	38	199	39.15	9
3	27	11.35	22	253	38.36	3	70	19.15	24	206	52.59	10
6	125	19.63	25	372	52.26	5	41	23.49	32	203	65.77	11
5	71	24.34	25	247	61.47	7	108	34.99	24	141	74.95	12
6	150	34.31	21	317	73.30	6	95	45.15	21	104	81.72	13
4	78	39.52	12	209	81.11	2	32	48.54	12	54	85.22	14
6	119	47.44	12	132	86.05	3	13	49.92	10	81	90.50	15
4	131	56.13	7	95	89.59	5	224	73.90	5	27	92.27	16
5	113	63.62	3	50	91.44	3	23	76.39	4	43	95.08	17
1	31	65.67	7	176	98.02	2	44	81.10	3	10	95.75	18
7	161	76.35	1	5	98.21	1	4	81.48	4	40	98.38	19
-	-	76.35	-	-	98.21	5	71	89.06	2	6	98.77	20
1	83	81.87	-	-	98.21	1	30	92.22	1	3	98.96	21
4	150	91.87	2	10	98.57	1	11	93.38	2	9	99.51	22
1	17	93.02	-	-	98.57	1	30	96.60	1	3	99.72	23
-	-	93.02	-	-	98.57	-	-	96.60	-	-	99.72	24
-	-	93.02	1	25	99.49	1	4	97.05	-	-	99.72	25
1	26	94.72	2	14	100.00	1	28	100.00	-	-	99.72	26
-	-	94.72	-	-	100.00	-	-	100.00	1	2	99.87	27
1	49	97.95	-	-	100.00	-	-	100.00	-	-	99.87	28
-	-	97.95	-	-	100.00	-	-	100.00	1	2	100.00	29
-	-	97.95	-	-	100.00	-	-	100.00	-	-	100.00	30
1	31	100.00	-	-	100.00	-	-	100.00	-	-	100.00	31
2/INCOME ABOVE POVERTY LEVEL												
714	27,756	100.00	1,478	28,331	100.00	140	2,393	100.00	333	2,840	100.00	1
-	-	0.00	3	29	0.10	-	-	0.00	-	-	0.00	2
-	-	0.00	8	60	0.31	-	-	0.00	1	4	0.13	3
-	-	0.00	8	163	0.89	-	-	0.00	3	26	1.06	4
2	78	0.28	24	457	2.50	1	10	0.41	10	93	4.35	5
2	94	0.62	33	695	4.95	1	6	0.64	16	143	9.37	6
1	35	0.75	46	986	8.44	2	13	1.18	15	97	12.77	7
7	206	1.49	66	1,220	12.74	1	6	1.44	22	115	16.81	8
21	854	4.57	181	3,152	23.87	5	71	4.42	45	530	35.46	9
11	433	6.13	99	1,968	30.81	4	27	5.53	20	262	44.66	10
31	1,378	11.09	246	4,872	48.01	11	179	13.02	37	243	53.23	11
51	2,038	18.43	199	3,793	61.40	18	357	27.94	40	331	64.87	12
68	2,731	28.27	151	2,994	71.97	16	275	39.44	40	305	75.61	13
63	2,131	35.95	122	2,262	79.96	7	184	47.12	23	151	80.91	14
75	2,805	46.06	91	1,660	85.82	13	184	54.81	19	228	88.95	15
64	2,570	55.32	51	950	89.17	11	247	65.13	9	48	90.63	16
45	1,794	61.78	46	946	92.51	16	301	77.72	12	109	94.47	17
54	2,174	69.61	27	514	94.32	6	81	81.12	4	15	94.99	18
41	1,564	75.25	19	369	95.63	6	60	83.62	4	31	96.07	19
40	1,537	80.78	13	266	96.56	6	107	88.08	5	50	97.85	20
26	1,012	84.43	12	189	97.23	5	136	93.74	1	3	97.96	21
23	982	87.97	5	107	97.61	1	6	93.98	2	25	98.84	22
16	658	90.34	8	251	98.50	1	6	94.25	1	2	98.92	23
17	629	92.61	9	121	98.92	4	43	96.07	2	23	99.72	24
11	463	94.28	-	-	98.92	1	44	97.92	-	-	99.72	25
7	152	94.82	4	101	99.28	-	-	97.92	1	3	99.82	26
12	441	96.41	-	-	99.28	-	-	97.92	-	-	99.82	27
6	135	96.90	1	3	99.29	-	-	97.92	-	-	99.82	28
4	202	97.63	1	22	99.37	2	38	99.50	-	-	99.82	29
1	70	97.88	1	26	99.46	1	8	99.84	-	-	99.82	30
15	588	100.00	4	153	100.00	1	4	100.00	1	5	100.00	31

Table 20. Cumulative percentage distribution of protein intake values for persons aged 60 and over by race for income levels: United States, 1971-72 (HANES Preliminary)

Protien (gms)	Total[1]			White			Negro		
	n	*N*	Cumulative percent	*n*	*N*	Cumulative percent	*n*	*N*	Cumulative percent
	All income								
Total	1,938	20,560	100.00	1,486	18,719	100.00	435	1,791	100.00
Less than 5	3	61	0.30	1	43	0.23	2	18	0.99
5-9	6	30	0.44	3	13	0.30	3	18	1.99
10-14	17	151	1.18	5	122	0.95	12	29	3.60
15-19	36	233	2.31	24	198	2.01	12	35	5.55
20-24	52	470	4.60	34	402	4.16	18	67	9.31
25-29	84	700	8.00	52	603	7.38	32	97	14.71
30-34	107	942	12.58	79	800	11.66	28	141	22.60
35-44	298	3,090	27.61	210	2,777	26.50	84	300	39.35
45-49	149	1,275	33.82	105	1,018	31.94	40	241	52.81
50-59	300	3,028	48.54	228	2,738	46.56	70	284	68.67
60-69	239	2,353	59.99	201	2,267	58.67	37	85	73.43
70-79	215	2,522	72.25	182	2,404	71.52	32	116	79.93
80-89	140	1,747	80.75	111	1,589	80.00	26	156	88.65
90-99	79	1,106	86.13	69	1,083	85.79	9	22	89.88
100-109	52	572	88.91	43	548	88.71	9	24	91.24
110-119	44	530	91.49	37	508	91.43	7	22	92.50
120-129	31	367	93.27	28	362	93.36	3	5	92.78
130-139	20	286	94.66	18	236	94.62	2	50	95.57
140-149	14	356	96.40	12	311	96.28	2	45	98.08
150-159	10	144	97.10	9	134	97.00	1	11	98.67
160-169	6	112	97.64	5	111	97.59	1	2	98.76
170-179	10	66	97.97	7	56	97.88	3	11	99.35
180-189	13	145	98.67	10	123	98.54	2	12	100.00
190-199	2	99	99.15	2	99	99.07	-	-	100.00
200-209	3	29	99.30	3	29	99.23	-	-	100.00
210-219	3	35	99.46	3	35	99.41	-	-	100.00
220-229	-	-	99.46	-	-	99.41	-	-	100.00
230-239	4	11	99.52	4	11	99.47	-	-	100.00
240-249	1	99	100.00	1	99	100.00	-	-	100.00
Greater than 249	-	-	100.00	-	-	100.00	-	-	100.00

[1]Total includes all races.

NOTE: *n* = examined persons, *N* = estimated population in thousands.

Table 20. Cumulative percentage distribution of protein intake values for persons aged 60 and over by race for income levels: United States, 1971-72 (HANES Preliminary)—Con.

Protein (gms)	Total[1]			White			Negro		
	n	*N*	Cumulative percent	*n*	*N*	Cumulative percent	*n*	*N*	Cumulative percent
	Income below poverty level[2]								
Total	484	3,113	100.00	292	2,397	100.00	191	714	100.00
Less than 5	1	13	0.42	-	-	0.00	1	13	1.83
5-9	5	25	1.22	2	7	0.29	3	18	4.33
10-14	6	12	1.59	-	-	0.29	6	12	5.97
15-19	17	103	4.91	10	78	3.54	7	25	9.49
20-24	26	211	11.67	16	171	10.69	10	39	15.00
25-29	25	130	15.86	12	96	14.68	13	35	19.87
30-34	38	212	22.67	27	191	22.63	11	21	22.81
35-44	84	579	41.26	47	443	41.12	37	135	41.77
45-49	39	206	47.86	22	91	44.93	17	114	57.75
50-59	75	356	59.31	40	268	56.09	35	89	70.19
60-69	46	275	68.15	36	253	66.65	10	22	73.28
70-79	38	407	81.23	27	359	81.63	11	48	80.04
80-89	28	184	87.15	17	124	86.80	11	60	88.47
90-99	11	158	92.23	8	149	93.02	2	8	89.57
100-109	13	64	94.29	7	44	94.85	6	20	92.40
110-119	9	60	96.22	6	47	96.80	3	13	94.27
120-129	7	44	97.62	6	41	98.52	1	2	94.59
130-139	4	26	98.45	3	13	99.05	1	13	96.44
140-149	3	15	98.92	3	15	99.65	-	-	96.44
150-159	1	11	99.25	-	-	99.65	1	11	97.91
160-169	2	4	99.39	1	3	99.76	1	2	98.15
170-179	3	11	99.73	-	-	99.76	3	11	99.62
180-189	1	3	99.82	-	-	99.76	1	3	100.00
190-199	-	-	99.82	-	-	99.76	-	-	100.00
200-209	-	-	99.82	-	-	99.76	-	-	100.00
210-219	1	5	99.99	1	5	99.98	-	-	100.00
220-229	-	-	99.99	-	-	99.98	-	-	100.00
230-239	1	-	100.00	1	-	100.00	-	-	100.00
240-249	-	-	100.00	-	-	100.00	-	-	100.00
Greater than 249	-	-	100.00	-	-	100.00	-	-	100.00
	Income above poverty level[2]								
Total	1,331	15,949	100.00	1,104	14,996	100.00	212	906	100.00
Less than 5	1	43	0.27	1	43	0.29	-	-	0.00
5-9	1	6	0.31	1	6	0.33	-	-	0.00
10-14	8	124	1.08	4	116	1.10	4	8	0.84
15-19	17	115	1.80	13	106	1.81	4	9	1.86
20-24	24	253	3.39	18	231	3.35	6	21	4.23
25-29	54	557	6.88	39	506	6.72	15	52	9.96
30-34	64	689	11.21	49	578	10.58	15	111	22.20
35-44	190	2,254	25.34	145	2,096	24.56	41	145	38.20
45-49	98	932	31.18	73	830	30.09	22	88	47.91
50-59	207	2,453	46.56	175	2,313	45.51	30	134	62.70
60-69	185	2,000	59.10	159	1,938	58.44	25	61	69.45
70-79	164	1,907	71.06	143	1,840	70.71	20	66	76.73
80-89	102	1,381	79.71	86	1,284	79.27	13	94	87.13
90-99	64	929	85.54	59	917	85.38	5	12	88.48
100-109	35	440	88.29	33	438	88.30	2	2	88.69
110-119	33	452	91.13	29	443	91.26	4	9	89.69
120-129	19	288	92.93	17	285	93.16	2	3	89.99
130-139	15	251	94.51	14	214	94.59	1	37	94.06
140-149	10	341	96.64	8	296	96.56	2	45	99.02
150-159	9	134	97.48	9	134	97.45	-	-	99.02
160-169	3	50	97.80	3	50	97.79	-	-	99.02
170-179	6	40	98.05	6	40	98.06	-	-	99.02
180-189	12	142	98.95	10	123	98.88	1	9	100.00
190-199	2	99	99.57	2	99	99.54	-	-	100.00
200-209	3	29	99.75	3	29	99.73	-	-	100.00
210-219	2	29	99.94	2	29	99.93	-	-	100.00
220-229	-	-	99.94	-	-	99.93	-	-	100.00
230-239	3	10	100.00	3	10	100.00	-	-	100.00
240-249	-	-	100.00	-	-	100.00	-	-	100.00
Greater than 249	-	-	100.00	-	-	100.00	-	-	100.00

[1]Total includes all races.
[2]Excludes persons with unknown income.

NOTE: *n* = examined persons, *N* = estimated population in thousands.

TABLE 21. CUMULATIVE PERCENTAGE DISTRIBUTION OF CALCIUM INTAKE VALUES FOR PERSONS AGED 1-5 BY RACE FOR INCOME LEVELS: UNITED STATES, 1971-72 (HANES PRELIMINARY)

[The standard for calcium intake for children aged 1-5 years is 450 mg]

CALCIUM (MGS)	1/TOTAL			WHITE			NEGRO		
	n	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT
	ALL INCOME								
TOTAL	1,489	16,877	100.00	986	14,193	100.00	489	2,570	100.00
LESS THAN 50	3	69	0.41	2	49	0.34	1	21	0.81
50-99	16	74	0.85	6	47	0.67	10	27	1.86
100-149	16	152	1.74	5	45	0.99	11	106	6.00
150-199	24	215	3.02	12	131	1.91	12	85	9.29
200-299	69	635	6.78	36	489	5.36	32	129	14.29
300-399	104	844	11.78	50	567	9.35	54	277	25.08
400-449	48	535	14.95	27	409	12.24	21	126	29.96
450-499	61	583	18.41	35	526	15.94	26	58	32.21
500-549	61	693	22.51	40	585	20.06	21	107	36.39
550-599	76	757	27.00	47	611	24.37	28	143	41.96
600-649	78	969	32.74	51	811	30.09	26	148	47.73
650-699	75	928	38.24	43	706	35.06	32	222	56.37
700-799	130	1,267	45.75	86	1,058	42.51	43	198	64.09
800-899	134	1,758	56.16	96	1,538	53.35	37	208	72.20
900-999	128	1,457	64.80	91	1,267	62.28	36	185	79.39
1000-1199	184	2,332	78.62	134	1,993	76.32	46	288	90.62
1200-1399	117	1,418	87.02	93	1,316	85.59	22	98	94.42
1400-1599	69	848	92.04	57	779	91.08	11	68	97.06
1600-1799	44	579	95.47	33	524	94.78	11	54	99.17
1800-1999	18	319	97.36	15	312	96.98	2	5	99.36
GREATER THAN 1999	34	445	100.00	27	429	100.00	7	16	100.00

1/TOTAL INCLUDES ALL RACES.
NOTE: *n*=EXAMINED PERSONS, *N*=ESTIMATED POPULATION IN THOUSANDS.

TABLE 21. CUMULATIVE PERCENTAGE DISTRIBUTION OF CALCIUM INTAKE VALUES FOR PERSONS AGED 1-5 BY RACE FOR INCOME LEVELS: UNITED STATES, 1971-72 (HANES PRELIMINARY)-CON.

[The standard for calcium intake for children aged 1-5 years is 450 mg]

CALCIUM (MGS)	1/TOTAL			WHITE			NEGRO		
	n	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT
	2/INCOME BELOW POVERTY LEVEL								
TOTAL	448	3,183	100.00	180	1,915	100.00	265	1,252	100.00
LESS THAN 50	2	66	2.06	1	45	2.35	1	21	1.65
50-99	6	16	2.57	1	4	2.53	5	13	2.67
100-149	9	52	4.21	3	10	3.07	6	42	6.00
150-199	14	145	8.75	0	70	6.75	8	74	11.93
200-299	30	151	13.51	9	54	9.59	21	97	19.67
300-399	41	174	18.99	10	51	12.25	31	123	29.54
400-449	19	113	22.54	3	42	14.42	16	72	35.26
450-499	24	154	27.37	8	115	20.43	16	39	38.34
500-549	15	121	31.16	5	67	23.93	10	54	42.65
550-599	24	168	36.45	11	112	29.76	12	54	46.99
600-649	23	167	41.68	11	119	35.96	11	38	50.05
650-699	26	220	48.59	8	127	42.57	18	93	57.50
700-799	37	220	55.51	13	110	48.31	24	110	66.32
800-899	33	342	66.27	17	226	60.10	16	117	75.63
900-999	39	332	76.69	17	221	71.62	21	106	84.13
1000-1199	42	253	84.62	25	193	81.72	17	59	88.86
1200-1399	26	177	90.19	12	97	86.77	14	80	95.28
1400-1599	16	128	94.20	9	96	91.79	7	32	97.82
1600-1799	7	42	95.52	2	29	93.30	5	13	98.87
1800-1999	4	25	96.32	2	20	94.36	2	5	99.26
GREATER THAN 1999	11	117	100.00	7	108	100.00	4	9	100.00
	2/INCOME ABOVE POVERTY LEVEL								
TOTAL	1,010	13,344	100.00	791	12,019	100.00	208	1,229	100.00
LESS THAN 50	1	4	0.03	1	4	0.03	-	-	0.00
50-99	10	57	0.46	5	43	0.39	5	14	1.17
100-149	6	86	1.10	2	35	0.68	4	51	5.30
150-199	9	67	1.60	6	60	1.18	3	7	5.85
200-299	38	482	5.21	26	433	4.79	11	32	8.42
300-399	61	665	10.20	40	516	9.08	21	149	20.57
400-449	29	422	13.36	24	368	12.14	5	54	24.96
450-499	37	430	16.58	27	411	15.56	10	19	26.52
500-549	46	572	20.86	35	518	19.87	11	54	30.87
550-599	50	581	25.22	36	500	24.03	14	82	37.52
600-649	53	774	31.02	39	666	29.57	14	108	46.28
650-699	47	698	36.25	35	579	34.39	12	118	55.91
700-799	91	1,011	43.82	72	925	42.08	18	75	62.01
800-899	95	1,356	53.98	78	1,286	52.79	16	58	66.75
900-999	87	1,090	62.15	72	1,011	61.20	15	79	73.15
1000-1199	140	2,058	77.57	107	1,778	76.00	29	229	91.81
1200-1399	86	1,166	86.31	77	1,145	85.53	7	16	93.13
1400-1599	53	720	91.71	48	683	91.21	4	36	96.08
1600-1799	36	505	95.49	30	464	95.07	6	41	99.41
1800-1999	12	273	97.54	11	271	97.33	-	-	99.41
GREATER THAN 1999	23	328	100.00	20	321	100.00	3	7	100.00

1/TOTAL INCLUDES ALL RACES.
2/EXCLUDES PERSONS WITH UNKNOWN INCOME.
NOTE: *n*=EXAMINED PERSONS, *N*=ESTIMATED POPULATION IN THOUSANDS.

TABLE 22. CUMULATIVE PERCENTAGE DISTRIBUTION OF CALCIUM INTAKE VALUES FOR PERSONS AGED 18-44 BY SEX AND RACE FOR INCOME LEVELS: UNITED STATES, 1971-72 (HANES PRELIMINARY)

[The standard for calcium intake for males aged 18-44 years is 400 mg and for females at these ages, 600 mg]

	CALCIUM (MGS)	TOTAL			MALE			FEMALE		
		n	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT
		ALL INCOME								
1	TOTAL.....	3,444	71,474	100.00	1,038	34,341	100.00	2,406	37,134	100.00
2	LESS THAN 50.....	29	369	0.52	3	25	0.07	26	345	0.93
3	50-99.....	90	985	1.89	6	86	0.32	84	899	3.35
4	100-149.....	137	1,605	4.14	17	199	0.90	120	1,407	7.14
5	150-199.....	206	3,506	9.05	30	835	3.33	176	2,671	14.33
6	200-299.....	366	6,283	17.84	61	1,949	9.01	305	4,334	26.00
7	300-399.....	384	7,937	28.94	98	3,410	18.94	286	4,527	38.19
8	400-449.....	148	3,141	33.34	37	1,175	22.36	111	1,967	43.49
9	450-499.....	146	2,869	37.35	38	1,209	25.88	108	1,660	47.96
10	500-549.....	159	3,094	41.68	36	1,176	29.31	123	1,918	53.12
11	550-599.....	152	2,800	45.60	35	1,122	32.57	117	1,678	57.64
12	600-649.....	143	3,110	49.95	36	1,216	36.12	107	1,893	62.74
13	650-699.....	161	3,580	54.96	54	1,772	41.28	107	1,808	67.61
14	700-799.....	201	4,553	61.33	69	2,321	48.04	132	2,232	73.62
15	800-899.....	193	3,797	66.64	64	1,940	53.69	129	1,857	78.62
16	900-999.....	156	3,240	71.17	61	1,782	58.87	95	1,459	82.55
17	1000-1199.....	255	6,073	79.67	108	3,781	69.88	147	2,292	88.72
18	1200-1399.....	157	3,982	85.24	66	2,365	76.77	91	1,617	93.08
19	1400-1599.....	115	3,083	89.56	67	2,225	83.25	48	859	95.39
20	1600-1799.....	63	1,555	91.73	37	1,139	86.57	26	416	96.51
21	1800-1999.....	55	1,796	94.25	34	1,345	90.48	21	451	97.72
22	GREATER THAN 1999.....	128	4,113	100.00	81	3,268	100.00	47	845	100.00

NOTE: *n*=EXAMINED PERSONS, *N*=ESTIMATED POPULATION IN THOUSANDS.

TABLE 22. CUMULATIVE PERCENTAGE DISTRIBUTION OF CALCIUM INTAKE VALUES FOR PERSONS AGE 18-44 BY SEX AND RACE FOR INCOME LEVELS: UNITED STATES, 1971-72 (HANES PRELIMINARY)-CON.

[The standard for calcium intake for males aged 18-44 years is 400 mg and for females at these ages, 600 mg]

WHITE MALE			WHITE FEMALE			NEGRO MALE			NEGRO FEMALE			
n	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT	
ALL INCOME												
808	30,458	100.00	1,758	32,342	100.00	211	3,440	100.00	618	4,541	100.00	1
1	13	0.04	20	308	0.95	2	12	0.36	6	37	0.81	2
1	51	0.21	37	610	2.84	5	35	1.37	46	287	7.13	3
8	139	0.67	62	980	5.87	8	57	3.03	57	415	16.28	4
22	791	3.26	114	2,230	12.76	6	37	4.10	61	438	25.93	5
42	1,583	8.46	202	3,580	23.83	19	366	14.74	96	684	41.00	6
64	2,596	16.98	220	3,995	36.18	30	655	33.78	63	504	52.09	7
28	1,116	20.65	81	1,691	41.41	8	51	35.27	30	275	58.16	8
27	978	23.86	76	1,454	45.91	11	231	42.00	32	206	62.70	9
25	999	27.14	89	1,629	50.94	9	91	44.65	33	276	68.78	10
29	1,090	30.72	87	1,492	55.56	5	27	45.43	28	172	72.57	11
24	959	33.87	85	1,626	60.58	12	257	52.88	22	268	78.47	12
41	1,587	39.07	87	1,626	65.61	13	186	58.28	17	155	81.88	13
54	2,037	45.76	110	2,022	71.86	13	237	65.17	19	177	85.78	14
50	1,601	51.02	100	1,699	77.12	12	269	73.00	26	138	88.82	15
49	1,596	56.26	74	1,354	81.30	11	142	77.14	19	97	90.96	16
89	3,573	67.99	122	2,117	87.85	17	201	82.98	24	172	94.76	17
54	2,191	75.18	72	1,494	92.47	11	167	87.84	19	123	97.47	18
58	2,099	82.07	40	820	95.00	9	126	91.51	8	38	98.31	19
35	1,110	85.72	20	359	96.12	2	30	92.37	5	40	99.18	20
32	1,241	89.79	18	440	97.48	2	105	95.41	3	11	99.42	21
75	3,110	100.00	42	816	100.00	6	158	100.00	4	26	100.00	22

TABLE 22. CUMULATIVE PERCENTAGE DISTRIBUTION OF CALCIUM INTAKE VALUES FOR PERSONS AGED 18-44 BY SEX AND RACE FOR INCOME LEVELS: UNITED STATES, 1971-72 (HANES PRELIMINARY)-CON.

[The standard for calcium intake for males aged 18-44 years is 400 mg and for females at these ages, 600 mg]

	CALCIUM (MGS)	TOTAL			MALE			FEMALE		
		n	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT
		2/INCOME BELOW POVERTY LEVEL								
1	TOTAL.....	591	6,790	100.00	128	2,538	100.00	463	4,252	100.00
2	LESS THAN 50.....	11	138	2.03	3	25	0.98	8	113	2.65
3	50-99.....	36	255	5.79	2	14	1.52	34	242	8.34
4	100-149.....	43	282	9.93	6	36	2.95	37	245	14.10
5	150-199.....	39	299	14.33	7	67	5.57	32	232	19.56
6	200-299.....	76	753	25.43	11	155	11.70	65	598	33.63
7	300-399.....	59	731	36.20	12	279	22.69	47	452	44.26
8	400-449.....	26	218	39.41	3	33	23.98	23	185	48.62
9	450-499.....	28	364	44.77	3	107	28.18	25	257	54.67
10	500-549.....	27	308	49.30	6	153	34.22	21	154	58.30
11	550-599.....	28	250	52.98	4	47	36.09	24	203	63.07
12	600-649.....	27	536	60.87	9	256	46.19	18	279	69.63
13	650-699.....	21	219	64.09	3	99	50.10	18	120	72.45
14	700-799.....	28	374	69.59	10	203	58.11	18	170	76.45
15	800-899.....	33	372	75.07	10	218	66.70	23	153	80.06
16	900-999.....	29	340	80.08	10	148	72.53	19	192	84.58
17	1000-1199.....	31	310	84.64	9	150	78.45	22	160	88.34
18	1200-1399.....	15	260	88.48	5	110	82.79	10	150	91.87
19	1400-1599.....	14	265	92.38	5	100	86.73	9	165	95.75
20	1600-1799.....	6	91	93.72	3	59	89.04	3	33	96.52
21	1800-1999.....	1	19	94.00	-	-	89.04	1	19	96.96
22	GREATER THAN 1999.....	13	407	100.00	7	278	100.00	6	129	100.00
		2/INCOME ABOVE POVERTY LEVEL								
1	TOTAL.....	2,700	61,847	100.00	866	30,482	100.00	1,834	31,365	100.00
2	LESS THAN 50.....	17	224	0.36	-	-	0.00	17	224	0.71
3	50-99.....	47	688	1.48	3	61	0.20	44	628	2.72
4	100-149.....	89	1,284	3.55	11	162	0.73	78	1,122	6.29
5	150-199.....	157	2,970	8.35	21	667	2.92	136	2,304	13.64
6	200-299.....	270	5,241	16.83	47	1,715	8.54	223	3,527	24.88
7	300-399.....	305	7,014	28.17	83	3,095	18.70	222	3,919	37.37
8	400-449.....	119	2,855	32.79	33	1,127	22.40	86	1,728	42.88
9	450-499.....	111	2,337	36.57	30	981	25.61	81	1,357	47.21
10	500-549.....	123	2,638	40.83	27	965	28.78	96	1,673	52.55
11	550-599.....	117	2,458	44.81	29	1,059	32.25	88	1,399	57.00
12	600-649.....	111	2,519	48.88	27	960	35.40	84	1,559	61.98
13	650-699.....	136	3,275	54.17	51	1,673	40.89	85	1,602	67.08
14	700-799.....	164	3,956	60.57	57	2,057	47.64	107	1,900	73.14
15	800-899.....	154	3,333	65.96	52	1,670	53.12	102	1,662	78.44
16	900-999.....	121	2,813	70.51	49	1,590	58.34	72	1,222	82.34
17	1000-1199.....	207	5,344	79.15	92	3,408	69.51	115	1,936	88.51
18	1200-1399.....	135	3,611	84.99	57	2,181	76.67	78	1,430	93.07
19	1400-1599.....	98	2,686	89.33	60	2,006	83.25	38	680	95.23
20	1600-1799.....	56	1,440	91.66	33	1,056	86.72	23	384	96.46
21	1800-1999.....	53	1,756	94.49	34	1,345	91.13	19	410	97.77
22	GREATER THAN 1999.....	110	3,405	100.00	70	2,704	100.00	40	700	100.00

2/EXCLUDES PERSONS WITH UNKNOWN INCOME

NOTE: *n*=EXAMINED PERSONS, *N*=ESTIMATED POPULATION IN THOUSANDS.

TABLE 22. CUMULATIVE PERCENTAGE DISTRIBUTION OF CALCIUM INTAKE VALUES FOR PERSONS AGE 18-44 BY SEX AND RACE FOR INCOME LEVELS: UNITED STATES, 1971-72 (HANES PRELIMINARY)-CON.

[The standard for calcium intake for males aged 18-44 years is 400 mg and for females at these ages, 600 mg]

WHITE MALE			WHITE FEMALE			NEGRO MALE			NEGRO FEMALE			
n	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT	
2/INCOME BELOW POVERTY LEVEL												
62	1,504	100.00	205	2,679	100.00	61	936	100.00	253	1,536	100.00	1
1	13	0.84	5	106	3.96	2	12	1.31	3	7	0.45	2
-	-	0.84	10	124	8.57	2	14	2.77	23	116	8.03	3
1	5	1.15	12	118	12.99	4	29	5.90	25	127	16.28	4
3	42	3.97	7	54	14.98	4	24	8.48	24	176	27.75	5
4	81	9.34	27	367	28.67	7	75	16.47	38	231	42.80	6
4	128	17.87	24	294	39.65	8	151	32.58	22	148	52.42	7
1	22	19.35	10	78	42.55	2	10	33.69	13	108	59.44	8
2	46	22.44	13	177	49.16	1	60	40.12	12	80	64.64	9
2	51	25.85	10	79	52.13	2	16	41.80	11	75	69.52	10
2	38	28.38	10	114	56.39	2	9	42.80	13	76	74.50	11
5	122	36.51	10	188	63.39	4	134	57.15	8	91	80.44	12
3	99	43.09	9	66	65.86	-	-	57.15	8	44	83.29	13
6	176	54.83	10	146	71.31	3	22	59.45	8	24	84.86	14
6	117	62.63	10	105	75.24	4	101	70.22	13	48	87.99	15
5	75	67.60	10	166	81.43	5	73	78.05	9	27	89.73	16
6	136	76.65	13	134	86.44	2	10	79.07	9	25	91.38	17
2	36	79.06	5	97	90.06	3	74	86.98	5	53	94.84	18
1	47	82.15	4	134	95.07	4	53	92.69	5	31	96.84	19
2	31	84.22	1	2	95.16	1	28	95.64	2	30	98.80	20
-	-	84.22	1	19	95.86	-	-	95.64	-	-	98.80	21
6	237	100.00	4	111	100.00	1	41	100.00	2	18	100.00	22
2/INCOME ABOVE POVERTY LEVEL												
714	27,756	100.00	1,478	28,331	100.00	140	2,393	100.00	333	2,840	100.00	1
-	-	0.00	14	194	0.69	-	-	0.00	3	30	1.05	2
1	51	0.18	26	479	2.37	2	9	0.39	18	149	6.30	3
7	135	0.67	48	833	5.32	4	28	1.55	29	277	16.05	4
17	646	3.00	102	2,060	12.59	2	13	2.09	34	243	24.62	5
37	1,451	8.22	167	3,068	23.42	10	264	13.11	51	409	39.03	6
58	2,437	17.00	184	3,558	35.98	22	504	34.18	36	341	51.04	7
27	1,094	20.94	69	1,561	41.49	5	26	35.27	17	168	56.94	8
21	815	23.88	61	1,231	45.83	9	166	42.21	20	126	61.39	9
21	894	27.10	75	1,463	50.99	6	71	45.19	20	197	68.33	10
25	1,036	30.83	72	1,302	55.59	3	17	45.92	15	96	71.69	11
19	837	33.85	71	1,386	60.48	8	122	51.03	13	173	77.79	12
38	1,488	39.21	74	1,474	65.68	13	186	58.78	9	111	81.71	13
47	1,814	45.74	94	1,719	71.75	9	201	67.17	10	148	86.94	14
43	1,444	50.95	86	1,553	77.23	7	156	73.68	13	90	90.11	15
42	1,478	56.27	61	1,148	81.28	6	69	76.57	9	67	92.46	16
77	3,222	67.88	102	1,824	87.72	14	183	84.22	12	110	96.33	17
50	2,100	75.45	65	1,361	92.52	7	81	87.61	13	69	98.75	18
55	1,933	82.41	35	672	94.89	5	73	90.65	3	7	99.01	19
32	1,055	86.21	19	357	96.15	1	2	90.73	3	9	99.34	20
32	1,241	90.68	16	400	97.56	2	105	95.10	3	11	99.72	21
65	2,587	100.00	37	690	100.00	5	117	100.00	2	8	100.00	22

TABLE 23. CUMULATIVE PERCENTAGE DISTRIBUTION OF CALCIUM INTAKE VALUES FOR PERSONS AGED 60 AND OVER BY RACE FOR INCOME LEVELS: UNITED STATES, 1971-72 (HANES PRELIMINARY)

[The standard for calcium intake for males aged 60 years and over is 400 mg and for females at these ages, 600 mg; however, sex breakdowns are not given and the lower standard of 400 mg is used]

CALCIUM (MGS)	1/TOTAL			WHITE			NEGRO		
	n	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT
	ALL INCOME								
TOTAL	1,938	20,560	100.00	1,486	18,719	100.00	435	1,791	100.00
LESS THAN 50	11	43	0.21	2	19	0.10	9	25	1.38
50-99	38	232	1.34	16	155	0.93	22	77	5.69
100-149	65	545	3.99	34	438	3.27	31	107	11.66
150-199	115	964	8.68	65	734	7.19	43	213	23.56
200-299	263	2,917	22.87	194	2,670	21.45	67	245	37.22
300-399	262	2,886	36.90	201	2,670	35.72	58	203	48.53
400-449	101	896	41.26	80	799	39.98	20	94	53.76
450-499	95	921	45.74	77	861	44.58	17	49	56.52
500-549	106	1,171	51.44	88	1,110	50.51	18	62	59.95
550-599	98	834	55.49	83	773	54.64	15	61	63.34
600-649	97	1,118	60.93	77	1,026	60.12	20	93	68.52
650-699	69	738	64.52	57	682	63.76	12	56	71.66
700-799	123	1,274	70.72	89	1,097	69.62	33	176	81.47
800-899	116	1,220	76.66	98	1,118	75.60	18	103	87.21
900-999	72	763	80.37	61	722	79.45	11	41	89.52
1000-1199	131	1,670	88.49	104	1,573	87.85	26	97	94.92
1200-1399	81	1,133	94.00	73	1,098	93.72	8	35	96.85
1400-1599	41	452	96.20	38	437	96.06	3	15	97.70
1600-1799	21	272	97.52	19	269	97.49	1	2	97.78
1800-1999	10	122	98.12	9	121	98.14	1	1	97.84
GREATER THAN 1999	23	387	100.00	21	348	100.00	2	39	100.00

1/TOTAL INCLUDES ALL RACES.
NOTE: *n*=EXAMINED PERSONS, *N*=ESTIMATED POPULATION IN THOUSANDS.

TABLE 23. CUMULATIVE PERCENTAGE DISTRIBUTIOM OF CALCIUM INTAKE VALUES FOR PERSONS AGED 60 AND OVER BY RACE FOR INCOME LEVELS: UNITED STATES, 1971-72 (HANES PRELIMINARY)-CON.

[The standard for calcium intake for males aged 60 years and over is 400 mg and for females at these ages, 600 mg; however, sex breakdowns are not given and the lower standard of 400 mg is used]

CALCIUM (MGS)	1/TOTAL			WHITE			NEGRO		
	n	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT
	2/INCOME BELOW POVERTY LEVEL								
TOTAL	484	3,113	100.00	292	2,397	100.00	191	714	100.00
LESS THAN 50	5	11	0.34	1	3	0.11	4	8	1.10
50-99	18	112	3.94	9	70	3.05	9	41	6.91
100-149	29	114	7.59	13	79	6.33	16	35	11.82
150-199	40	226	14.86	22	161	13.04	18	66	21.00
200-299	62	394	27.53	37	312	26.04	25	82	32.54
300-399	67	432	41.42	37	345	40.43	29	87	44.67
400-449	29	190	47.51	22	173	47.65	7	17	46.98
450-499	28	172	53.04	19	145	53.71	9	27	50.74
500-549	27	211	59.81	19	178	61.14	8	33	55.29
550-599	27	117	63.56	22	106	65.55	5	11	56.83
600-649	16	105	66.93	6	46	67.47	10	59	65.10
650-699	12	101	70.19	11	101	71.67	1	1	65.17
700-799	30	222	77.33	12	120	76.70	18	102	79.41
800-899	29	230	84.72	19	166	83.62	10	64	88.37
900-999	11	47	86.22	9	44	85.46	2	3	88.74
1000-1199	23	188	92.26	10	130	90.89	13	58	96.83
1200-1399	14	75	94.67	10	67	93.68	4	8	97.97
1400-1599	7	59	96.58	6	48	95.69	1	11	99.55
1600-1799	3	11	96.94	2	10	96.10	1	2	99.76
1800-1999	1	7	97.15	1	7	96.37	-	-	99.76
GREATER THAN 1999	6	89	100.00	5	87	100.00	1	2	100.00
	2/INCOME ABOVE POVERTY LEVEL								
TOTAL	1,331	15,949	100.00	1,104	14,996	100.00	212	906	100.00
LESS THAN 50	5	28	0.18	1	16	0.11	4	12	1.35
50-99	15	102	0.81	6	79	0.63	9	23	3.88
100-149	32	387	3.24	20	358	3.02	12	28	7.02
150-199	71	712	7.70	41	551	6.70	24	146	23.08
200-299	176	2,118	20.98	138	2,002	20.05	36	113	35.56
300-399	179	2,276	35.25	151	2,154	34.41	26	110	47.71
400-449	67	673	39.48	53	593	38.37	13	77	56.22
450-499	60	677	43.72	53	646	42.68	6	20	58.43
500-549	76	926	49.53	66	897	48.66	10	29	61.63
550-599	68	680	53.79	58	630	52.86	10	50	67.11
600-649	71	839	59.05	63	808	58.25	8	31	70.51
650-699	51	565	62.60	41	511	61.66	10	55	76.56
700-799	85	979	68.74	73	933	67.88	11	45	81.50
800-899	81	940	74.63	75	914	73.98	6	26	84.35
900-999	60	687	78.94	51	648	78.30	9	39	88.62
1000-1199	102	1,440	87.97	90	1,403	87.65	11	37	92.70
1200-1399	61	953	93.94	58	929	93.85	3	24	95.38
1400-1599	33	384	96.35	31	380	96.38	2	4	95.80
1600-1799	14	210	97.67	13	209	97.77	-	-	95.80
1800-1999	9	116	98.39	8	115	98.54	1	1	95.93
GREATER THAN 1999	15	256	100.00	14	219	100.00	1	37	100.00

1/TOTAL INCLUDES ALL RACES.
2/EXCLUDES PERSONS WITH UNKNOWN INCOME.
NOTE: *n*=EXAMINED PERSONS, *N*=ESTIMATED POPULATION IN THOUSANDS.

TABLE 24. CUMULATIVE PERCENTAGE DISTRIBUTION OF IRON INTAKE VALUES FOR PERSONS AGED 1-5 BY RACE FOR INCOME LEVELS: UNITED STATES, 1971-72 (HANES PRELIMINARY)

[The standard for iron intake for children aged 1-5 years is 15 mg]

IRON (MGS)	1/TOTAL			WHITE			NEGRO		
	n	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT
	ALL INCOME								
TOTAL	1,489	16,877	100.00	986	14,193	100.00	489	2,570	100.00
LESS THAN 0.5	1	19	0.11	1	19	0.14	-	-	0.00
0.5-0.9	3	9	0.17	-	-	0.14	3	9	0.36
1.0-1.4	12	69	0.58	4	23	0.30	8	47	2.19
1.5-1.9	21	168	1.58	10	108	1.05	11	60	4.53
2.0-2.4	20	151	2.47	10	99	1.75	10	52	6.54
2.5-2.9	39	436	5.05	23	328	4.06	16	108	10.75
3.0-3.4	54	588	8.54	34	463	7.33	20	125	15.62
3.5-3.9	56	635	12.30	38	577	11.39	18	58	17.87
4.0-4.9	150	1,684	22.28	94	1,387	21.17	52	282	28.84
5.0-5.9	197	2,373	36.34	134	2,046	35.58	60	298	40.43
6.0-6.9	179	2,049	48.49	121	1,764	48.01	57	283	51.44
7.0-7.9	171	1,892	59.70	116	1,629	59.49	54	246	61.03
8.0-8.9	161	1,824	70.51	105	1,570	70.55	55	249	70.71
9.0-9.9	117	1,381	78.69	81	1,212	79.09	35	157	76.81
10.0-10.9	82	984	84.52	59	884	85.32	22	97	80.60
11.0-11.9	60	660	88.43	36	468	88.61	22	162	86.92
12.0-12.9	35	432	90.99	27	367	91.20	8	65	89.45
13.0-13.9	26	361	93.13	16	239	92.88	10	122	94.18
14.0-14.9	25	285	94.82	20	273	94.81	5	12	94.63
15.0-15.9	13	114	95.49	9	91	95.45	4	23	95.51
16.0-16.9	20	221	96.80	12	150	96.51	8	72	98.31
17.0-17.9	8	45	97.07	4	36	96.76	4	9	98.65
18.0-18.9	5	51	97.37	5	51	97.12	-	-	98.65
19.0-19.9	4	32	97.56	3	29	97.32	1	2	98.74
20.0-20.9	2	7	97.60	1	6	97.37	1	1	98.78
21.0-21.9	2	17	97.70	1	14	97.47	1	2	98.87
22.0-22.9	3	35	97.91	3	35	97.72	-	-	98.87
23.0-23.9	2	37	98.13	2	37	97.98	-	-	98.87
GREATER THAN 23.9	21	316	100.00	17	287	100.00	4	29	100.00

1/TOTAL INCLUDES ALL RACES.
NOTE: *n*=EXAMINED PERSONS, *N*=ESTIMATED POPULATION IN THOUSANDS.

TABLE 24. CUMULATIVE PERCENTAGE DISTRIBUTION OF IRON INTAKE VALUES FOR PERSONS AGED 1-5 BY RACE FOR INCOME LEVELS: UNITED STATES, 1971-72 (HANES PRELIMINARY)-CON.

[The standard for iron intake for children aged 1-5 years is 15 mg]

IRON (MGS)	1/TOTAL			WHITE			NEGRO		
	n	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT
	2/INCOME BELOW POVERTY LEVEL								
TOTAL	448	3,183	100.00	180	1,915	100.00	265	1,252	100.00
LESS THAN 0.5	-	-	0.00	-	-	0.00	-	-	0.00
0.5-0.9	2	7	0.23	-	-	0.00	2	7	0.59
1.0-1.4	5	31	1.20	2	9	0.48	3	21	2.31
1.5-1.9	5	29	2.10	-	-	0.48	5	29	4.61
2.0-2.4	10	72	4.35	5	49	3.02	5	23	6.45
2.5-2.9	18	155	9.21	7	75	6.91	11	80	12.85
3.0-3.4	20	130	13.30	9	70	10.59	11	60	17.62
3.5-3.9	19	103	16.53	6	59	13.67	13	44	21.12
4.0-4.9	37	231	23.79	12	157	21.86	24	72	26.89
5.0-5.9	50	403	36.44	23	274	36.19	27	128	37.15
6.0-6.9	57	438	50.21	20	271	50.34	37	167	50.50
7.0-7.9	53	345	61.03	26	205	61.06	27	139	61.65
8.0-8.9	53	329	71.38	17	191	71.05	35	133	72.28
9.0-9.9	34	247	79.14	13	170	79.90	21	77	78.46
10.0-10.9	17	100	82.27	7	50	82.52	10	50	82.42
11.0-11.9	22	151	87.00	10	64	85.88	11	77	88.53
12.0-12.9	8	83	89.60	6	74	89.76	2	9	89.21
13.0-13.9	10	114	93.19	4	65	93.13	6	50	93.18
14.0-14.9	5	31	94.16	3	26	94.46	2	5	93.61
15.0-15.9	6	53	95.83	3	46	96.86	3	8	94.22
16.0-16.9	9	85	98.50	3	20	97.91	6	65	99.38
17.0-17.9	3	7	98.72	-	-	97.91	3	7	99.93
18.0-18.9	2	7	98.92	2	7	98.26	-	-	99.93
19.0-19.9	-	-	98.92	-	-	98.26	-	-	99.93
20.0-20.9	1	1	98.95	-	-	98.26	1	1	100.00
21.0-21.9	-	-	98.95	-	-	98.26	-	-	100.00
22.0-22.9	-	-	98.95	-	-	98.26	-	-	100.00
23.0-23.9	-	-	98.95	-	-	98.26	-	-	100.00
GREATER THAN 23.9	2	33	100.00	2	33	100.00	-	-	100.00
	2/INCOME ABOVE POVERTY LEVEL								
TOTAL	1,010	13,344	100.00	791	12,019	100.00	208	1,229	100.00
LESS THAN 0.5	1	19	0.15	1	19	0.16	-	-	0.00
0.5-0.9	-	-	0.15	-	-	0.16	-	-	0.00
1.0-1.4	5	15	0.26	1	4	0.19	4	11	0.93
1.5-1.9	15	126	1.20	10	108	1.09	5	18	2.43
2.0-2.4	10	79	1.79	5	50	1.51	5	29	4.77
2.5-2.9	20	280	3.89	16	254	3.62	4	26	6.92
3.0-3.4	33	452	7.28	25	393	6.88	8	59	11.71
3.5-3.9	37	532	11.27	32	518	11.20	5	14	12.86
4.0-4.9	112	1,452	22.15	82	1,230	21.43	27	209	29.85
5.0-5.9	141	1,924	36.57	109	1,750	35.99	29	145	41.61
6.0-6.9	121	1,609	48.62	101	1,494	48.42	19	113	50.84
7.0-7.9	113	1,479	59.71	87	1,359	59.72	25	104	59.27
8.0-8.9	104	1,454	70.60	86	1,357	71.01	18	97	67.17
9.0-9.9	81	1,103	78.87	66	1,011	79.42	14	79	73.63
10.0-10.9	61	821	85.02	49	773	85.85	11	46	77.33
11.0-11.9	37	476	88.58	25	371	88.93	11	86	84.32
12.0-12.9	27	349	91.20	21	293	91.36	6	57	88.93
13.0-13.9	16	247	93.05	12	175	92.82	4	72	94.78
14.0-14.9	20	254	94.95	17	248	94.88	3	6	95.29
15.0-15.9	7	61	95.41	6	46	95.26	1	15	96.51
16.0-16.9	11	136	96.43	9	129	96.33	2	7	97.09
17.0-17.9	5	38	96.71	4	36	96.63	1	2	97.26
18.0-18.9	2	29	96.93	2	29	96.87	-	-	97.26
19.0-19.9	4	32	97.17	3	29	97.12	1	2	97.45
20.0-20.9	1	6	97.21	1	6	97.17	-	-	97.45
21.0-21.9	2	17	97.34	1	14	97.29	1	2	97.64
22.0-22.9	3	35	97.60	3	35	97.58	-	-	97.64
23.0-23.9	2	37	97.88	2	37	97.89	-	-	97.64
GREATER THAN 23.9	19	283	100.00	15	254	100.00	4	29	100.00

1/TOTAL INCLUDES ALL RACES.
2/EXCLUDES PERSONS WITH UNKNOWN INCOME.
NOTE: *n*=EXAMINED PERSONS, *N*=ESTIMATED POPULATION IN THOUSANDS.

TABLE 25. CUMULATIVE PERCENTAGE DISTRIBUTION OF IRON INTAKE VALUES FOR PERSONS AGED 18-44 BY SEX AND RACE FOR INCOME LEVELS: UNITED STATES, 1971-72 (HANES PRELIMINARY)

[The standard for iron intake for males aged 18-44 years is 10 mg and for females at these ages, 18 mg]

	IRON (MGS)	TOTAL			MALE			FEMALE		
		n	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT
		ALL INCOME								
1	TOTAL	3,444	71,474	100.00	1,038	34,341	100.00	2,406	37,134	100.00
2	LESS THAN 0.5	4	24	0.03	2	12	0.04	2	11	0.03
3	0.5-0.9	4	53	0.11	-	-	0.04	4	53	0.17
4	1.0-1.4	11	81	0.22	-	-	0.04	11	81	0.39
5	1.5-1.9	12	145	0.42	-	-	0.04	12	145	0.78
6	2.0-2.4	15	211	0.72	3	69	0.24	12	142	1.17
7	2.5-2.9	32	366	1.23	2	23	0.30	30	343	2.09
8	3.0-3.4	53	604	2.08	2	32	0.40	51	572	3.63
9	3.5-3.9	39	498	2.77	2	69	0.60	37	429	4.78
10	4.0-4.9	141	2,043	5.63	13	255	1.34	128	1,788	9.60
11	5.0-5.9	182	2,902	9.69	27	750	3.52	155	2,152	15.39
12	6.0-6.9	260	4,220	15.59	23	508	5.00	237	3,712	25.39
13	7.0-7.9	283	5,250	22.94	30	912	7.66	253	4,338	37.07
14	8.0-8.9	252	4,654	29.45	37	1,097	10.85	215	3,557	46.65
15	9.0-9.9	271	4,949	36.38	52	1,544	15.35	219	3,405	55.82
16	10.0-10.9	245	5,398	43.93	70	2,554	22.79	175	2,844	63.48
17	11.0-11.9	234	4,713	50.52	69	2,455	29.94	165	2,258	69.56
18	12.0-12.9	213	4,490	56.80	73	2,441	37.05	140	2,048	75.07
19	13.0-13.9	166	3,614	61.86	54	1,809	42.31	112	1,805	79.94
20	14.0-14.9	163	3,688	67.02	65	2,105	48.44	98	1,583	84.20
21	15.0-15.9	130	3,226	71.53	65	1,985	54.22	65	1,241	87.54
22	16.0-16.9	112	2,501	75.03	50	1,536	58.70	62	964	90.14
23	17.0-17.9	87	2,501	78.53	40	1,605	63.37	47	895	92.55
24	18.0-18.9	88	2,400	81.89	55	2,005	69.21	33	396	93.62
25	19.0-19.9	66	1,910	84.56	42	1,430	73.37	24	480	94.91
26	20.0-20.9	64	2,000	87.36	46	1,673	78.24	18	327	95.79
27	21.0-21.9	51	1,381	89.29	34	1,156	81.61	17	225	96.40
28	22.0-22.9	42	1,092	90.82	25	845	84.07	17	248	97.07
29	23.0-23.9	29	759	91.88	18	569	85.73	11	190	97.58
30	GREATER THAN 23.9	195	5,801	100.00	139	4,901	100.00	56	900	100.00

NOTE: *n*=EXAMINED PERSONS, *N*=ESTIMATED POPULATION IN THOUSANDS.

TABLE 25. CUMULATIVE PERCENTAGE DISTRIBUTION OF IRON INTAKE VALUES FOR PERSONS AGED 18-44 BY SEX AND RACE FOR INCOME LEVELS: UNITED STATES, 1971-72 (HANES PRELIMINARY)-CON.

[The standard for iron intake for males aged 18-44 years is 10 mg and for females at these ages, 18 mg]

WHITE MALE			WHITE FEMALE			NEGRO MALE			NEGRO FEMALE			
n	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT	
ALL INCOME												
808	30,458	100.00	1,758	32,342	100.00	211	3,440	100.00	618	4,541	100.00	1
-	-	0.00	1	8	0.02	2	12	0.36	1	4	0.08	2
-	-	0.00	2	28	0.11	-	-	0.36	2	25	0.64	3
-	-	0.00	8	55	0.28	-	-	0.36	3	26	1.21	4
-	-	0.00	8	114	0.63	-	-	0.36	4	31	1.89	5
1	49	0.16	4	79	0.88	2	20	0.95	8	63	3.29	6
2	23	0.23	15	227	1.58	-	-	0.95	15	116	5.85	7
1	22	0.31	26	433	2.92	1	10	1.23	25	138	8.89	8
1	39	0.44	22	347	3.99	1	30	2.10	14	70	10.44	9
6	193	1.07	89	1,594	8.92	7	62	3.90	39	194	14.70	10
18	700	3.37	104	1,751	14.33	7	39	5.05	50	379	23.04	11
13	312	4.39	158	3,052	23.77	9	104	8.08	79	660	37.57	12
20	719	6.75	202	3,882	35.78	10	193	13.69	50	454	47.58	13
26	833	9.49	163	3,138	45.48	10	222	20.15	51	417	56.76	14
31	1,130	13.20	174	3,155	55.23	17	321	29.47	43	230	61.83	15
56	2,253	20.60	129	2,567	63.17	14	301	38.22	41	243	67.19	16
57	2,239	27.95	118	1,909	69.07	12	217	44.52	44	323	74.30	17
56	2,261	35.37	105	1,765	74.52	14	110	47.72	34	266	80.17	18
47	1,723	41.03	84	1,643	79.61	6	80	50.06	26	153	83.54	19
54	1,898	47.26	71	1,327	83.71	11	206	56.06	24	227	88.54	20
49	1,779	53.10	54	1,161	87.30	14	158	60.65	10	78	90.26	21
42	1,500	58.02	51	835	89.88	8	36	61.71	11	129	93.10	22
32	1,320	62.36	39	819	92.41	7	259	69.22	8	76	94.78	23
44	1,803	68.28	25	352	93.50	10	195	74.89	6	36	95.56	24
32	1,192	72.19	22	461	94.93	10	238	81.81	2	19	95.98	25
39	1,400	76.79	13	311	95.89	6	229	88.48	5	16	96.34	26
27	1,036	80.19	14	183	96.45	6	118	91.92	-	-	96.34	27
20	820	82.88	10	185	97.03	5	25	92.65	6	62	97.70	28
14	527	84.61	6	148	97.48	4	42	93.88	4	36	98.48	29
120	4,688	100.00	41	814	100.00	18	211	100.00	13	69	100.00	30

TABLE 25. CUMULATIVE PERCENTAGE DISTRIBUTION OF IRON INTAKE VALUES FOR PERSONS AGED 18-44 BY SEX AND RACE FOR INCOME LEVELS: UNITED STATES, 1971-72 (HANES PRELIMINARY)-CON.

[The standard for iron intake for males aged 18-44 years is 10 mg and for females at these ages, 18 mg]

	IRON (MGS)	TOTAL			MALE			FEMALE		
		n	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT
		2/INCOME BELOW POVERTY LEVEL								
1	TOTAL	591	6,790	100.00	128	2,538	100.00	463	4,252	100.00
2	LESS THAN 0.5	2	12	0.18	2	12	0.48	-	-	0.00
3	0.5-0.9	-	-	0.18	-	-	0.48	-	-	0.00
4	1.0-1.4	3	7	0.28	-	-	0.48	3	7	0.16
5	1.5-1.9	4	37	0.83	-	-	0.48	4	37	1.03
6	2.0-2.4	5	43	1.47	1	9	0.82	4	35	1.85
7	2.5-2.9	13	120	3.23	2	23	1.71	11	97	4.14
8	3.0-3.4	25	157	5.54	1	22	2.59	24	134	7.30
9	3.5-3.9	14	109	7.15	1	30	3.77	13	79	9.16
10	4.0-4.9	40	282	11.30	4	21	4.58	36	262	15.31
11	5.0-5.9	38	417	17.45	5	66	7.18	33	351	23.58
12	6.0-6.9	57	491	24.88	6	45	8.97	51	445	34.05
13	7.0-7.9	58	580	33.22	6	126	13.94	52	454	44.73
14	8.0-8.9	43	449	39.83	7	72	16.77	36	377	53.60
15	9.0-9.9	46	635	49.19	13	306	28.81	33	329	61.35
16	10.0-10.9	37	487	56.36	10	201	36.72	27	286	68.08
17	11.0-11.9	36	343	61.41	8	118	41.36	28	225	73.38
18	12.0-12.9	29	371	66.87	6	90	44.93	23	280	79.97
19	13.0-13.9	14	135	68.85	-	-	44.93	14	135	83.13
20	14.0-14.9	21	253	72.58	8	83	48.20	13	170	87.13
21	15.0-15.9	11	233	76.01	5	142	53.79	6	91	89.27
22	16.0-16.9	12	125	77.85	2	15	54.39	10	110	91.86
23	17.0-17.9	14	267	81.78	7	167	60.96	7	100	94.20
24	18.0-18.9	10	147	83.95	5	129	66.04	5	18	94.63
25	19.0-19.9	7	192	86.78	3	158	72.27	4	34	95.43
26	20.0-20.9	7	149	88.97	4	139	77.77	3	9	95.65
27	21.0-21.9	10	233	92.40	6	213	86.14	4	20	96.13
28	22.0-22.9	4	37	92.94	-	-	86.14	4	37	97.00
29	23.0-23.9	7	38	93.50	3	12	86.61	4	26	97.61
30	GREATER THAN 23.9	24	441	100.00	13	340	100.00	11	102	100.00
		2/INCOME ABOVE POVERTY LEVEL								
1	TOTAL	2,700	61,847	100.00	866	30,482	100.00	1,834	31,365	100.00
2	LESS THAN 0.5	1	4	0.01	-	-	0.00	1	4	0.01
3	0.5-0.9	3	50	0.09	-	-	0.00	3	50	0.17
4	1.0-1.4	8	74	0.21	-	-	0.00	8	74	0.41
5	1.5-1.9	7	104	0.37	-	-	0.00	7	104	0.74
6	2.0-2.4	8	153	0.62	1	49	0.16	7	104	1.07
7	2.5-2.9	16	225	0.99	-	-	0.16	16	225	1.79
8	3.0-3.4	28	447	1.71	1	10	0.19	27	437	3.18
9	3.5-3.9	23	375	2.32	1	39	0.32	22	336	4.25
10	4.0-4.9	96	1,717	5.09	9	234	1.09	87	1,483	8.98
11	5.0-5.9	135	2,341	8.88	20	628	3.15	115	1,713	14.44
12	6.0-6.9	193	3,560	14.63	16	416	4.51	177	3,144	24.47
13	7.0-7.9	212	4,452	21.83	23	771	7.04	189	3,681	36.20
14	8.0-8.9	196	3,946	28.21	27	944	10.14	169	3,003	45.78
15	9.0-9.9	218	4,199	35.00	38	1,211	14.11	180	2,989	55.30
16	10.0-10.9	191	4,638	42.50	56	2,213	21.37	135	2,425	63.04
17	11.0-11.9	191	4,254	49.38	58	2,231	28.69	133	2,023	69.49
18	12.0-12.9	175	3,928	55.73	63	2,247	36.06	112	1,681	74.85
19	13.0-13.9	147	3,396	61.22	54	1,809	42.00	93	1,587	79.91
20	14.0-14.9	131	3,235	66.45	56	2,012	48.60	75	1,223	83.81
21	15.0-15.9	115	2,911	71.16	59	1,835	54.61	56	1,077	87.24
22	16.0-16.9	94	2,201	74.72	45	1,395	59.19	49	806	89.81
23	17.0-17.9	69	2,172	78.23	31	1,421	63.85	38	751	92.20
24	18.0-18.9	75	2,210	81.80	47	1,832	69.86	28	378	93.41
25	19.0-19.9	53	1,546	84.30	36	1,166	73.69	17	381	94.62
26	20.0-20.9	55	1,819	87.24	41	1,506	78.63	14	313	95.62
27	21.0-21.9	38	983	88.83	26	780	81.19	12	203	96.26
28	22.0-22.9	38	1,056	90.54	25	845	83.96	13	211	96.94
29	23.0-23.9	21	693	91.66	14	529	85.69	7	164	97.46
30	GREATER THAN 23.9	163	5,158	100.00	119	4,361	100.00	44	797	100.00

2/EXCLUDES PERSONS WITH UNKNOWN INCOME

NOTE= *n*=EXAMINED PERSONS, *N*=ESTIMATED POPULATION IN THOUSANDS.

TABLE 25. CUMULATIVE PERCENTAGE DISTRIBUTION OF IRON INTAKE VALUES FOR PERSONS AGED 18-44 BY SEX AND RACE FOR INCOME LEVELS: UNITED STATES, 1971-72 (HANES PRELIMINARY)-CON.

[The standard for iron intake for males aged 18-44 years is 10 mg and for females at these ages, 18 mg]

WHITE MALE			WHITE FEMALE			NEGRO MALE			NEGRO FEMALE			
n	*N*	CUMULATIVE PER-CENT	*n*	*N*	CUMULATIVE PER-CENT	*n*	*N*	CUMU-LATIVE PER CENT	*n*	*N*	CUMU-LATIVE PER CENT	
2/INCOME BELOW POVERTY LEVEL												
62	1,504	100.00	205	2,679	100.00	61	936	100.00	253	1,536	100.00	1
-	-	0.00	-	-	0.00	2	12	1.31	-	-	0.00	2
-	-	0.00	-	-	0.00	-	-	1.31	-	-	0.00	3
-	-	0.00	1	3	0.10	-	-	1.31	2	4	0.28	4
-	-	0.00	2	32	1.31	-	-	1.31	2	5	0.59	5
-	-	0.00	2	24	2.20	1	9	2.22	2	11	1.30	6
2	23	1.50	6	49	4.02	-	-	2.22	5	48	4.46	7
1	22	2.99	6	46	5.72	-	-	2.22	18	89	10.22	8
-	-	2.99	4	20	6.46	1	30	5.41	9	59	14.09	9
1	7	3.46	16	175	13.00	3	14	6.87	20	86	19.71	10
2	48	6.64	13	187	19.98	3	18	8.80	20	164	30.40	11
2	15	7.63	22	310	31.55	4	31	12.07	29	136	39.23	12
3	45	10.65	22	276	41.86	3	81	20.68	29	176	50.68	13
2	31	12.70	14	183	48.68	5	41	25.08	21	192	63.18	14
2	61	16.75	17	220	56.90	8	153	41.44	16	109	70.28	15
7	167	27.83	15	227	65.36	3	34	45.10	11	50	73.51	16
3	39	30.44	9	107	69.36	5	79	53.49	18	106	80.41	17
5	85	36.11	12	180	76.09	1	5	54.04	11	100	86.91	18
-	-	36.11	6	107	80.08	-	-	54.04	8	28	88.71	19
5	59	40.05	7	117	84.46	3	24	56.59	6	53	92.13	20
2	93	46.24	3	83	87.55	2	44	61.32	3	8	92.66	21
1	10	46.93	6	88	90.85	1	5	61.84	4	22	94.08	22
5	156	57.28	5	91	94.24	2	11	63.03	2	9	94.66	23
4	124	65.53	3	11	94.63	1	5	63.54	2	8	95.16	24
2	110	72.83	3	31	95.78	1	48	68.71	1	3	95.37	25
1	3	73.03	-	-	95.78	3	136	83.29	3	9	95.97	26
3	162	83.83	3	10	96.17	3	50	88.66	-	-	95.97	27
-	-	83.83	-	-	96.17	-	-	88.66	4	37	98.37	28
1	5	84.19	1	12	96.63	2	6	89.34	3	14	99.26	29
8	238	100.00	7	90	100.00	4	100	100.00	4	11	100.00	30
2/INCOME ABOVE POVERTY LEVEL												
714	27,756	100.00	1,478	28,331	100.00	140	2,393	100.00	333	2,840	100.00	1
-	-	0.00	-	-	0.00	-	-	0.00	1	4	0.13	2
-	-	0.00	2	28	0.10	-	-	0.00	1	22	0.90	3
-	-	0.00	7	52	0.28	-	-	0.00	1	22	1.67	4
-	-	0.00	6	82	0.57	-	-	0.00	1	22	2.44	5
1	49	0.17	2	55	0.77	-	-	0.00	5	49	4.18	6
-	-	0.17	8	163	1.34	-	-	0.00	8	62	6.35	7
-	-	0.17	20	388	2.71	1	10	0.41	7	50	8.09	8
1	39	0.32	16	314	3.82	-	-	0.41	5	11	8.48	9
5	186	0.99	70	1,388	8.72	4	48	2.43	17	95	11.83	10
15	601	3.15	87	1,489	13.97	4	21	3.32	27	202	18.96	11
10	251	4.06	132	2,644	23.31	5	74	6.40	45	499	36.55	12
17	674	6.48	171	3,436	35.43		97	10.47	18	245	45.16	13
22	733	9.12	142	2,805	45.34	.	169	17.52	27	197	52.10	14
28	1,041	12.87	152	2,850	55.40	9	168	24.52	26	119	56.29	15
46	1,961	19.94	109	2,251	63.34	10	252	35.05	24	171	62.30	16
51	2,093	27.48	107	1,796	69.68	7	138	40.82	24	213	69.79	17
49	2,096	35.03	88	1,497	74.96	11	81	44.19	23	167	75.66	18
47	1,723	41.24	74	1,456	80.10	6	80	47.55	17	122	79.96	19
48	1,829	47.83	54	1,019	83.70	8	183	55.18	18	174	86.10	20
47	1,686	53.90	48	1,004	87.25	11	105	59.56	7	70	88.57	21
38	1,363	58.82	42	699	89.71	7	32	60.88	7	107	92.33	22
26	1,162	63.00	32	684	92.13	4	232	70.60	6	67	94.70	23
38	1,642	68.92	22	341	93.33	9	190	78.54	4	28	95.69	24
28	980	72.45	16	365	94.62	8	186	86.30	1	16	96.25	25
37	1,370	77.38	13	311	95.72	3	93	90.19	1	2	96.33	26
22	710	79.94	10	171	96.32	3	68	93.03	-	-	96.33	27
20	820	82.89	10	185	96.97	5	25	94.08	2	25	97.20	28
12	493	84.67	5	135	97.45	2	36	95.58	1	22	97.97	29
106	4,255	100.00	33	723	100.00	13	106	100.00	9	58	100.00	30

TABLE 26. CUMULATIVE PERCENTAGE DISTRIBUTION OF IRON INTAKE VALUES FOR PERSONS AGED 60 AND OVER BY RACE FOR INCOME LEVELS: UNITED STATES, 1971-72 (HANES PRELIMINARY)

[The standard for iron intake for persons aged 60 years and over is 10 mg]

IRON (MGS)	1/TOTAL			WHITE			NEGRO		
	n	*N*	CUMULATIVE PER CENT	*n*	*N*	CUMULATIVE PER CENT	*n*	*N*	CUMULATIVE PER CENT
	ALL INCOME								
TOTAL	1,938	20,560	100.00	1,486	18,719	100.00	435	1,791	100.00
LESS THAN 0.5	2	30	0.15	2	30	0.16	-	-	0.00
0.5-0.9	1	5	0.17	-	-	0.16	1	5	0.26
1.0-1.4	5	77	0.54	2	61	0.48	3	16	1.17
1.5-1.9	7	27	0.68	1	5	0.51	6	23	2.43
2.0-2.4	7	20	0.77	5	14	0.58	2	6	2.78
2.5-2.9	8	68	1.10	4	56	0.88	4	12	3.48
3.0-3.4	27	271	2.42	16	228	2.10	11	43	5.89
3.5-3.9	40	362	4.18	25	317	3.79	15	45	8.39
4.0-4.9	101	942	8.77	70	807	8.11	31	135	15.92
5.0-5.9	134	952	13.40	88	810	12.44	44	138	23.61
6.0-6.9	202	1,954	22.90	143	1,652	21.26	56	291	39.87
7.0-7.9	188	1,917	32.23	142	1,738	30.54	45	178	49.83
8.0-8.9	197	2,162	42.74	147	2,015	41.31	47	141	57.69
9.0-9.9	174	1,579	50.42	132	1,423	48.91	40	154	66.30
10.0-10.9	148	1,664	58.52	117	1,526	57.06	28	125	73.29
11.0-11.9	129	1,459	65.61	110	1,371	64.39	18	87	78.12
12.0-12.9	114	1,238	71.64	97	1,183	70.71	17	55	81.18
13.0-13.9	88	980	76.41	75	945	75.76	13	35	83.15
14.0-14.9	57	643	79.53	46	603	78.98	11	40	85.36
15.0-15.9	64	845	83.64	56	793	83.22	8	52	88.27
16.0-16.9	49	638	86.75	43	617	86.51	6	22	89.47
17.0-17.9	34	540	89.37	26	497	89.16	8	43	91.89
18.0-18.9	29	447	91.54	25	432	91.47	4	15	92.72
19.0-19.9	14	116	92.11	13	110	92.06	1	7	93.08
20.0-20.9	21	213	93.15	19	211	93.18	1	1	93.16
21.0-21.9	18	374	94.96	13	311	94.84	5	63	96.68
22.0-22.9	11	64	95.28	11	64	95.19	-	-	96.68
23.0-23.9	10	177	96.14	9	176	96.13	1	2	96.76
GREATER THAN 23.9	59	793	100.00	49	725	100.00	9	58	100.00

1/TOTAL INCLUDES ALL RACES.
NOTE: *n*=EXAMINED PERSONS, *N*=ESTIMATED POPULATION IN THOUSANDS.

TABLE 26. CUMULATIVE PERCENTAGE DISTRIBUTION OF IRON INTAKE VALUES FOR PERSONS AGED 60 AND OVER BY RACE FOR INCOME LEVELS: UNITED STATES, 1971-72 (HANES PRELIMINARY)-CON.

[The standard for iron intake for persons aged 60 years and over is 10 mg]

IRON (MGS)	1/TOTAL			WHITE			NEGRO		
	n	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT
	2/INCOME BELOW POVERTY LEVEL								
TOTAL	484	3,113	100.00	292	2,397	100.00	191	714	100.00
LESS THAN 0.5	-	-	0.00	-	-	0.00	-	-	0.00
0.5-0.9	-	-	0.00	-	-	0.00	-	-	0.00
1.0-1.4	4	34	1.08	1	17	0.72	3	16	2.28
1.5-1.9	5	23	1.82	1	5	0.91	4	18	4.85
2.0-2.4	5	14	2.28	4	12	1.42	1	2	5.17
2.5-2.9	3	7	2.51	1	2	1.51	2	5	5.87
3.0-3.4	13	89	5.38	8	60	3.99	5	30	10.03
3.5-3.9	18	106	8.80	10	88	7.65	8	19	12.67
4.0-4.9	41	284	17.91	23	201	16.03	18	83	24.24
5.0-5.9	44	184	23.82	26	135	21.67	18	49	31.04
6.0-6.9	52	338	34.68	31	235	31.47	21	103	45.49
7.0-7.9	46	330	45.26	24	258	42.23	22	71	55.50
8.0-8.9	59	401	58.15	35	346	56.67	24	55	63.21
9.0-9.9	44	173	63.71	28	144	62.66	16	29	67.31
10.0-10.9	25	148	68.46	14	110	67.23	11	38	72.68
11.0-11.9	27	216	75.39	19	169	74.28	8	47	79.20
12.0-12.9	19	161	80.55	14	125	79.51	5	35	84.13
13.0-13.9	18	120	84.41	12	95	83.46	6	26	87.72
14.0-14.9	8	118	88.20	5	109	88.03	3	9	88.92
15.0-15.9	11	97	91.32	8	84	91.52	3	13	90.77
16.0-16.9	7	38	92.54	6	37	93.05	1	2	90.98
17.0-17.9	4	36	93.68	-	-	93.05	4	36	95.96
18.0-18.9	6	36	94.85	6	36	94.56	-	-	95.96
19.0-19.9	3	31	95.85	3	31	95.86	-	-	95.96
20.0-20.9	5	22	96.56	4	21	96.74	-	-	95.96
21.0-21.9	2	3	96.67	-	-	96.74	2	3	96.43
22.0-22.9	-	-	96.67	-	-	96.74	-	-	96.43
23.0-23.9	2	34	97.76	1	32	98.09	1	2	96.65
GREATER THAN 23.9	13	70	100.00	8	46	100.00	5	24	100.00
	2/INCOME ABOVE POVERTY LEVEL								
TOTAL	1,331	15,949	100.00	1,104	14,996	100.00	212	906	100.00
LESS THAN 0.5	2	30	0.19	2	30	0.20	-	-	0.00
0.5-0.9	-	-	0.19	-	-	0.20	-	-	0.00
1.0-1.4	1	43	0.46	1	43	0.49	-	-	0.00
1.5-1.9	2	4	0.49	-	-	0.49	2	4	0.48
2.0-2.4	1	2	0.50	1	2	0.50	-	-	0.48
2.5-2.9	4	55	0.84	2	48	0.82	2	7	1.30
3.0-3.4	14	182	1.98	8	168	1.94	6	13	2.79
3.5-3.9	19	235	3.46	14	215	3.38	5	20	4.96
4.0-4.9	56	643	7.49	45	599	7.37	11	44	9.85
5.0-5.9	77	678	11.74	55	595	11.33	20	80	18.64
6.0-6.9	136	1,433	20.73	102	1,260	19.73	31	162	36.56
7.0-7.9	129	1,436	29.73	108	1,361	28.81	20	74	44.76
8.0-8.9	128	1,645	40.05	105	1,574	39.31	20	65	51.96
9.0-9.9	119	1,266	47.99	94	1,150	46.97	23	114	64.57
10.0-10.9	117	1,440	57.02	99	1,381	56.18	16	48	69.86
11.0-11.9	97	1,144	64.19	86	1,102	63.54	10	40	74.27
12.0-12.9	91	1,010	70.52	79	990	70.14	12	20	76.44
13.0-13.9	66	832	75.73	60	824	75.63	6	8	77.37
14.0-14.9	41	408	78.29	34	378	78.15	7	30	80.71
15.0-15.9	51	730	82.87	46	691	82.76	5	39	84.99
16.0-16.9	38	538	86.24	33	518	86.21	5	20	87.20
17.0-17.9	28	501	89.39	26	497	89.52	2	5	87.74
18.0-18.9	21	401	91.90	18	388	92.11	3	12	89.11
19.0-19.9	8	65	92.30	7	58	92.50	1	7	89.83
20.0-20.9	12	109	92.99	11	108	93.22	1	1	89.99
21.0-21.9	15	369	95.31	13	311	95.29	2	59	96.47
22.0-22.9	10	51	95.63	10	51	95.63	-	-	96.47
23.0-23.9	6	90	96.19	6	90	96.24	-	-	96.47
GREATER THAN 23.9	42	607	100.00	39	565	100.00	2	32	100.00

1/TOTAL INCLUDES ALL RACES.
2/EXCLUDES PERSONS WITH UNKNOWN INCOME.
NOTE: *n*=EXAMINED PERSONS, *N*=ESTIMATED POPULATION IN THOUSANDS.

TABLE 27. CUMULATIVE PERCENTAGE DISTRIBUTION OF VITAMIN A INTAKE VALUES FOR PERSONS AGED 1-5 BY RACE FOR INCOME LEVELS: UNITED STATES, 1971-72 (HANES PRELIMINARY)

[The standard for vitamin A intake for children aged 1-5 years is 2000 I.U.]

VITAMIN A (I.U.)	1/TOTAL			WHITE			NEGRO		
	n	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT
	ALL INCOME								
TOTAL	1,489	16,877	100.00	986	14,193	100.00	489	2,570	100.00
LESS THAN 250	11	112	0.67	4	78	0.55	7	34	1.33
250-499	32	361	2.80	18	275	2.49	13	69	4.01
500-749	63	757	7.29	44	632	6.94	19	125	8.87
750-999	85	828	12.19	51	705	11.90	34	123	13.65
1000-1249	101	1,195	19.27	67	1,020	19.09	34	176	20.49
1250-1499	108	1,196	26.36	63	938	25.69	45	258	30.54
1500-1799	121	1,283	33.96	84	1,058	33.15	36	224	39.27
1750-1999	94	991	39.84	57	765	38.54	36	222	47.89
2000-2249	97	1,210	47.01	73	1,109	46.35	23	99	51.74
2250-2499	89	916	52.44	56	774	51.81	33	142	57.26
2500-2999	154	1,886	63.61	114	1,647	63.41	38	206	65.26
3000-3499	110	1,291	71.26	78	1,165	71.62	30	115	69.76
3500-3999	98	983	77.08	52	771	77.06	42	179	76.71
4000-4499	57	767	81.63	45	657	81.68	12	110	81.00
4500-4999	45	529	84.76	36	463	84.94	9	65	83.55
5000-5999	61	700	88.90	45	608	89.23	16	92	87.12
6000-6999	47	513	91.94	25	412	92.13	21	90	90.61
7000-7999	34	431	94.50	21	384	94.84	13	47	92.45
8000-8999	21	190	95.62	15	149	95.89	5	38	93.94
9000-9999	11	195	96.78	10	190	97.23	1	5	94.12
GREATER THAN 9999	50	544	100.00	28	393	100.00	22	151	100.00

1/TOTAL INCLUDES ALL RACES.
NOTE: *n*=EXAMINED PERSONS, *N*=ESTIMATED POPULATION IN THOUSANDS.

TABLE 27. CUMULATIVE PERCENTAGE DISTRIBUTION OF VITAMIN A INTAKE VALUES FOR PERSONS AGED 1-5 BY RACE FOR INCOME LEVELS: UNITED STATES, 1971-72 (HANES PRELIMINARY)-CON.
[The standard for vitamin A intake for children aged 1-5 years is 2000 I.U.]

VITAMIN A (I.U.)	1/TOTAL			WHITE			NEGRO		
	n	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT
	2/INCOME BELOW POVERTY LEVEL								
TOTAL	448	3,183	100.00	180	1,915	100.00	265	1,252	100.00
LESS THAN 250	4	25	0.79	1	2	0.11	3	23	1.83
250-499	12	81	3.32	4	59	3.17	8	22	3.61
500-749	22	218	10.17	12	145	10.74	10	73	9.43
750-999	28	485	15.99	7	89	15.39	21	96	17.13
1000-1249	32	283	24.90	11	210	26.34	21	74	23.03
1250-1499	37	277	33.59	11	170	35.23	26	106	31.53
1500-1799	35	260	41.75	17	152	43.15	18	108	40.16
1750-1999	39	239	49.25	16	160	51.51	22	74	46.07
2000-2249	18	81	51.80	11	60	54.66	7	21	47.72
2250-2499	27	154	56.65	11	94	59.60	16	60	52.50
2500-2999	40	271	65.16	22	186	69.30	18	85	59.30
3000-3499	28	151	69.91	13	87	73.85	14	55	63.65
3500-3999	32	206	76.37	5	64	77.19	26	140	74.82
4000-4499	6	68	78.51	2	16	78.01	4	52	79.00
4500-4999	14	102	81.73	10	95	82.97	4	7	79.58
5000-5999	17	112	85.23	7	61	86.17	10	50	83.60
6000-6999	14	93	88.16	3	40	88.29	11	53	87.80
7000-7999	12	53	89.82	3	32	89.94	9	21	89.50
8000-8999	6	36	90.96	5	33	91.68	1	3	89.74
9000-9999	4	92	93.86	3	88	96.25	1	5	90.12
GREATER THAN 9999	21	195	100.00	6	72	100.00	15	124	100.00
	2/INCOME ABOVE POVERTY LEVEL								
TOTAL	1,010	13,344	100.00	791	12,019	100.00	208	1,229	100.00
LESS THAN 250	7	87	0.65	3	76	0.63	4	11	0.91
250-499	19	279	2.74	13	215	2.42	5	47	4.72
500-749	41	539	6.78	32	487	6.47	9	52	8.95
750-999	57	642	11.59	44	616	11.59	13	26	11.10
1000-1249	68	910	18.41	56	810	18.33	12	100	19.25
1250-1499	69	913	25.25	52	767	24.72	17	146	31.10
1500-1799	82	972	32.54	64	861	31.88	17	111	40.10
1750-1999	54	739	38.08	41	605	36.91	13	134	51.01
2000-2249	77	1,074	46.13	60	994	45.18	16	78	57.38
2250-2499	60	758	51.81	45	680	50.84	15	79	63.78
2500-2999	107	1,557	63.48	90	1,442	62.84	15	81	70.41
3000-3499	78	1,095	71.68	63	1,050	71.58	14	44	74.02
3500-3999	65	775	77.49	47	707	77.46	15	36	76.99
4000-4499	50	698	82.72	43	641	82.80	7	57	81.66
4500-4999	29	385	85.60	24	327	85.51	5	58	86.40
5000-5999	43	571	89.89	37	530	89.92	6	41	89.76
6000-6999	33	420	93.03	22	372	93.02	10	37	92.78
7000-7999	20	326	95.47	16	299	95.51	4	26	94.91
8000-8999	15	153	96.62	10	116	96.48	4	35	97.78
9000-9999	7	102	97.39	7	102	97.33	-	-	97.78
GREATER THAN 9999	29	349	100.00	22	321	100.00	7	27	100.00

1/TOTAL INCLUDES ALL RACES.
2/EXCLUDES PERSONS WITH UNKNOWN INCOME.
NOTE: *n*=EXAMINED PERSONS, *N*=ESTIMATED POPULATION IN THOUSANDS.

TABLE 28. CUMULATIVE PERCENTAGE DISTRIBUTION OF VITAMIN A INTAKE VALUES FOR PERSONS AGED 18-44 BY SEX AND RACE FOR INCOME LEVELS: UNITED STATES, 1971-72 (HANES PRELIMINARY)

[The standard for vitamin A intake for males and females aged 18-44 years is 3500 I.U.]

	VITAMIN A (I.U.)	TOTAL			MALE			FEMALE		
		n	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT
		ALL INCOME								
1	TOTAL.....	3,444	71,474	100.00	1,038	34,341	100.00	2,406	37,134	100.00
2	LESS THAN 250.....	93	1,418	1.98	13	382	1.11	80	1,036	2.79
3	250-499.....	99	1,465	4.03	22	457	2.44	77	1,008	5.50
4	500-749.....	174	3,058	8.31	33	993	5.33	141	2,065	11.06
5	750-999.....	170	3,000	12.51	41	1,169	8.74	129	1,831	16.00
6	1000-1249.....	181	3,451	17.34	41	1,267	12.43	140	2,184	21.88
7	1250-1499.....	187	3,335	22.00	35	1,203	15.93	152	2,132	27.62
8	1500-1799.....	193	3,982	27.57	47	1,681	20.83	146	2,302	33.82
9	1750-1999.....	181	3,854	32.97	52	1,524	25.26	129	2,330	40.09
10	2000-2249.....	169	3,173	37.41	46	1,271	28.96	123	1,903	45.21
11	2250-2499.....	163	3,275	41.99	44	1,467	33.23	119	1,808	50.08
12	2500-2999.....	294	6,599	51.22	107	3,331	42.93	187	3,268	58.89
13	3000-3499.....	223	4,402	57.38	61	1,884	48.42	162	2,518	65.67
14	3500-3999.....	168	3,852	62.77	64	2,145	54.67	104	1,707	70.26
15	4000-4499.....	150	3,349	67.45	53	1,568	59.23	97	1,781	75.06
16	4500-4999.....	130	2,981	71.62	59	1,831	64.56	71	1,150	78.15
17	5000-5999.....	203	5,177	78.87	83	3,282	74.12	120	1,895	83.26
18	6000-6999.....	121	3,201	83.35	51	2,142	80.36	70	1,059	86.11
19	7000-7999.....	103	2,399	86.70	39	1,422	84.50	64	977	88.74
20	8000-8999.....	74	1,854	89.30	27	1,125	87.78	47	729	90.70
21	9000-9999.....	58	925	90.59	14	332	88.74	44	593	92.30
22	GREATER THAN 9999.....	310	6,725	100.00	106	3,865	100.00	204	2,859	100.00

NOTE: *n*=EXAMINED PERSONS, *N*=ESTIMATED POPULATION IN THOUSANDS.

TABLE 28. CUMULATIVE PERCENTAGE DISTRIBUTION OF VITAMIN A INTAKE VALUES FOR PERSONS AGED 18-44 BY SEX AND RACE FOR INCOME LEVELS: UNITED STATES, 1971-72 (HANES PRELIMINARY)-CON.

[The standard for vitamin A intake for males and females aged 18-44 years is 3500 I.U.]

WHITE MALE			WHITE FEMALE			NEGRO MALE			NEGRO FEMALE			
n	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT	
ALL INCOME												
808	30,458	100.00	1,758	32,342	100.00	211	3,440	100.00	618	4,541	100.00	1
6	300	0.99	44	791	2.45	7	82	2.37	36	245	5.39	2
11	355	2.15	49	884	5.18	10	96	5.16	28	124	8.12	3
20	767	4.67	84	1,649	10.28	12	135	9.07	55	404	17.01	4
33	1,028	8.05	91	1,526	14.99	8	141	13.17	37	288	23.35	5
30	1,094	11.64	107	1,910	20.90	11	174	18.22	33	274	29.39	6
24	1,025	15.00	112	1,922	26.84	10	135	22.13	38	208	33.97	7
36	1,501	19.93	104	1,970	32.93	7	84	24.56	40	312	40.85	8
41	1,330	24.30	101	2,107	39.45	9	186	29.96	27	208	45.42	9
33	1,134	28.02	101	1,751	44.86	11	126	33.64	20	108	47.80	10
35	1,336	32.41	88	1,637	49.92	9	131	37.43	30	171	51.55	11
82	2,869	41.83	145	2,859	58.76	24	456	50.69	41	398	60.31	12
50	1,673	47.32	126	2,200	65.56	10	169	55.60	33	279	66.47	13
54	2,087	54.17	85	1,574	70.43	10	58	57.29	17	120	69.10	14
38	1,272	58.35	77	1,619	75.44	14	294	65.83	19	149	72.37	15
52	1,718	63.99	57	980	78.47	7	113	69.11	14	170	76.12	16
72	2,982	73.78	95	1,733	83.83	10	274	77.07	24	159	79.63	17
41	1,931	80.12	52	888	86.57	8	162	81.79	17	154	83.02	18
38	1,410	84.75	47	830	89.14	1	13	82.15	17	147	86.27	19
24	1,071	88.27	35	655	91.16	3	54	83.71	11	67	87.74	20
9	279	89.18	28	471	92.62	5	53	85.25	15	116	90.29	21
79	3,294	100.00	130	2,388	100.00	25	507	100.00	66	441	100.00	22

TABLE 28. CUMULATIVE PERCENTAGE DISTRIBUTION OF VITAMIN A INTAKE VALUES FOR PERSONS AGED 18-44 BY SEX AND RACE FOR INCOME LEVELS: UNITED STATES, 1971-72 (HANES PRELIMINARY)-CON.

[The standard for vitamin A intake for males and females aged 18-44 years is 3500 I.U.]

	VITAMIN A (I.U.)	TOTAL			MALE			FEMALE		
		n	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT
		2/INCOME BELOW POVERTY LEVEL								
1	TOTAL.....	591	6,790	100.00	128	2,538	100.00	463	4,252	100.00
2	LESS THAN 250.....	32	377	5.55	5	87	3.44	27	289	6.80
3	250-499.....	31	253	9.27	7	82	6.67	24	171	10.82
4	500-749.....	43	401	15.18	6	103	10.73	37	298	17.83
5	750-999.....	40	262	19.04	7	80	13.89	33	182	22.11
6	1000-1249.....	39	621	28.18	8	267	24.40	31	354	30.44
7	1250-1499.....	41	345	33.26	6	103	28.45	35	242	36.14
8	1500-1799.....	35	400	39.16	5	167	35.04	30	233	41.62
9	1750-1999.....	40	543	47.16	14	281	46.12	26	262	47.78
10	2000-2249.....	24	321	51.89	6	104	50.23	18	217	52.88
11	2250-2499.....	22	248	55.55	5	100	54.18	17	148	56.37
12	2500-2999.....	41	382	61.17	10	109	58.46	31	273	62.79
13	3000-3499.....	34	400	67.07	8	96	62.26	26	304	69.94
14	3500-3999.....	27	305	71.56	5	43	63.95	22	262	76.10
15	4000-4499.....	21	313	76.16	7	102	67.98	14	211	81.05
16	4500-4999.....	15	137	78.19	2	33	69.29	13	104	83.50
17	5000-5999.....	15	129	80.09	2	7	69.57	13	122	86.37
18	6000-6999.....	9	96	81.50	6	86	72.97	3	10	86.59
19	7000-7999.....	16	291	85.78	3	83	76.26	13	207	91.46
20	8000-8999.....	7	138	87.82	3	109	80.54	4	30	92.16
21	9000-9999.....	8	71	88.86	1	28	81.63	7	43	93.18
22	GREATER THAN 9999.....	51	756	100.00	12	466	100.00	39	290	100.00
		2/INCOME ABOVE POVERTY LEVEL								
1	TOTAL.....	2,700	61,847	100.00	866	30,482	100.00	1,834	31,365	100.00
2	LESS THAN 250.....	55	997	1.61	7	290	0.95	48	707	2.25
3	250-499.....	63	1,113	3.41	12	302	1.94	51	811	4.84
4	500-749.....	121	2,532	7.51	27	890	4.86	94	1,643	10.08
5	750-999.....	127	2,707	11.88	33	1,074	8.38	94	1,633	15.28
6	1000-1249.....	136	2,727	16.29	32	954	11.51	104	1,773	20.93
7	1250-1499.....	139	2,860	20.92	28	1,086	15.08	111	1,774	26.59
8	1500-1799.....	153	3,539	26.64	42	1,513	20.04	111	2,026	33.05
9	1750-1999.....	137	3,215	31.84	37	1,191	23.95	100	2,024	39.50
10	2000-2249.....	137	2,596	36.03	37	1,042	27.37	100	1,555	44.46
11	2250-2499.....	134	2,841	40.63	38	1,315	31.68	96	1,526	49.32
12	2500-2999.....	235	5,849	50.09	90	3,008	41.55	145	2,841	58.38
13	3000-3499.....	176	3,683	56.04	50	1,564	46.68	126	2,119	65.14
14	3500-3999.....	132	3,358	61.47	57	2,068	53.47	75	1,289	69.25
15	4000-4499.....	125	2,976	66.28	44	1,457	58.24	81	1,520	74.09
16	4500-4999.....	111	2,781	70.78	56	1,795	64.13	55	986	77.24
17	5000-5999.....	177	4,820	78.57	78	3,144	74.45	99	1,675	82.58
18	6000-6999.....	105	3,000	83.42	39	1,951	80.85	66	1,048	85.92
19	7000-7999.....	86	2,080	86.79	35	1,311	85.15	51	770	88.38
20	8000-8999.....	62	1,621	89.41	22	930	88.20	40	691	90.58
21	9000-9999.....	46	823	90.74	13	305	89.20	33	519	92.23
22	GREATER THAN 9999.....	243	5,727	100.00	89	3,291	100.00	154	2,436	100.00

2/EXCLUDES PERSONS WITH UNKNOWN INCOME

NOTE: *n*=EXAMINED PERSONS, *N*=ESTIMATED POPULATION IN THOUSANDS.

TABLE 28. CUMULATIVE PERCENTAGE DISTRIBUTION OF VITAMIN A INTAKE VALUES FOR PERSONS AGED 18-44 BY SEX AND RACE FOR INCOME LEVELS: UNITED STATES, 1971-72 (HANES PRELIMINARY)-CON.

[The standard for vitamin A intake for males and females aged 18-44 years is 3500 I.U.]

WHITE MALE			WHITE FEMALE			NEGRO MALE			NEGRO FEMALE			
n	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT	*n*	*N*		*n*	*N*	CUMULATIVE PERCENT	
2/INCOME BELOW POVERTY LEVEL												
62	1,504	100.00	205	2,679	100.00	61	936	100.00	253	1,536	100.00	1
2	70	4.68	11	235	8.78	3	17	1.81	16	54	3.51	2
2	28	6.52	11	102	12.57	5	54	7.61	13	69	8.01	3
2	55	10.18	9	102	16.38	4	48	12.75	26	183	19.96	4
5	67	14.63	13	94	19.90	2	13	14.14	20	88	25.66	5
6	214	28.85	14	224	28.25	2	53	19.82	17	130	34.16	6
3	79	34.09	15	155	34.05	3	24	22.37	19	86	39.73	7
2	35	36.45	13	158	39.96	1	46	27.25	17	74	44.56	8
7	109	43.67	14	169	46.28	6	170	45.43	12	93	50.61	9
1	70	48.31	13	199	53.72	4	30	48.66	5	18	51.76	10
2	77	53.45	10	122	58.29	3	23	51.08	7	26	53.45	11
5	49	56.73	18	218	66.41	4	54	56.87	13	55	57.04	12
3	23	58.27	14	191	73.54	5	73	64.70	12	113	64.42	13
2	29	60.20	13	213	81.50	3	14	66.19	8	38	66.91	14
3	79	65.48	7	142	86.78	4	23	68.62	6	57	70.60	15
1	22	66.97	6	54	88.79	1	11	69.79	7	50	73.87	16
1	5	67.28	4	52	90.75	1	2	70.04	9	69	78.39	17
5	57	71.06	1	5	90.93	1	30	73.21	2	5	78.71	18
2	71	75.78	6	108	94.98	1	13	74.54	7	99	85.13	19
2	68	80.29	2	21	95.75	1	41	78.90	2	9	85.73	20
-	-	80.29	-	-	95.75	1	28	81.85	7	43	88.53	21
6	296	100.00	11	114	100.00	6	170	100.00	28	176	100.00	22
2/INCOME ABOVE POVERTY LEVEL												
714	27,756	100.00	1,478	28,331	100.00	140	2,393	100.00	333	2,840	100.00	1
4	230	0.83	30	522	1.84	3	60	2.53	18	185	6.50	2
8	281	1.84	36	757	4.51	3	15	3.15	15	55	8.42	3
18	712	4.41	71	1,461	9.67	8	86	6.76	23	182	14.83	4
28	961	7.87	76	1,415	14.66	5	113	11.49	17	200	21.89	5
23	833	10.87	90	1,636	20.44	9	121	16.53	14	137	26.72	6
21	946	14.28	93	1,683	26.38	6	96	20.53	17	90	29.88	7
34	1,466	19.56	90	1,793	32.71	6	38	22.12	20	231	38.01	8
33	1,170	23.78	85	1,896	39.40	3	16	22.78	14	113	41.98	9
29	940	27.16	84	1,425	44.43	7	96	26.79	14	86	45.00	10
32	1,208	31.51	73	1,382	49.31	6	108	31.30	22	143	50.04	11
71	2,619	40.95	117	2,491	58.10	19	390	47.58	27	338	61.95	12
44	1,426	46.09	105	1,927	64.90	5	96	51.57	18	154	67.36	13
50	2,024	53.38	65	1,206	69.16	7	44	53.42	9	81	70.22	14
34	1,189	57.66	68	1,427	74.19	9	266	64.53	13	92	73.46	15
50	1,693	63.76	49	880	77.30	6	102	68.78	6	106	77.21	16
68	2,846	74.02	85	1,589	82.91	9	272	80.13	13	84	80.16	17
33	1,799	80.50	50	882	86.02	5	108	84.66	15	149	85.42	18
35	1,311	85.22	41	721	88.57	-	-	84.66	10	49	87.13	19
20	917	88.53	32	633	90.80	2	13	85.19	7	52	88.97	20
9	279	89.53	25	443	92.36	4	26	86.26	7	69	91.40	21
70	2,905	100.00	113	2,164	100.00	18	329	100.00	34	244	100.00	22

TABLE 29. CUMULATIVE PERCENTAGE DISTRIBUTION OF VITAMIN A INTAKE VALUES FOR PERSONS AGED 60 AND OVER BY RACE FOR INCOME LEVELS: UNITED STATES, 1971-72 (HANES PRELIMINARY)

[The standard for vitamin A intake for persons aged 60 years and over is 3500 I.U.]

VITAMIN A (I.U.)	1/TOTAL			WHITE			NEGRO		
	n	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT
	ALL INCOME								
TOTAL	1,938	20,560	100.00	1,486	18,719	100.00	435	1,791	100.00
LESS THAN 250	34	248	1.21	15	202	1.08	19	46	2.57
250-499	40	370	3.01	30	344	2.92	10	26	4.00
500-749	66	438	5.14	45	385	4.97	20	53	6.96
750-999	78	721	8.65	51	621	8.29	26	92	12.10
1000-1249	86	831	12.69	69	771	12.41	17	60	15.46
1250-1499	103	1,020	17.65	77	945	17.46	26	75	19.63
1500-1799	105	1,138	23.18	74	1,022	22.92	29	104	25.45
1750-1999	107	1,094	28.51	84	989	28.21	23	105	31.31
2000-2249	95	839	32.59	69	757	32.25	25	82	35.88
2250-2499	107	1,148	38.17	88	1,074	37.99	19	74	40.03
2500-2999	168	2,009	47.95	138	1,856	47.90	30	154	48.60
3000-3499	129	1,698	56.21	106	1,580	56.34	21	114	55.00
3500-3999	101	1,138	61.74	92	1,050	61.95	7	84	59.68
4000-4499	87	1,178	67.47	72	1,113	67.89	13	62	63.13
4500-4999	64	628	70.52	52	604	71.11	11	23	64.40
5000-5999	100	1,025	75.51	78	925	76.06	21	98	69.87
6000-6999	70	645	78.65	52	545	78.97	17	10	75.45
7000-7999	78	1,072	83.86	59	960	84.10	19	112	81.68
8000-8999	54	616	86.86	41	585	87.22	12	30	83.34
9000-9999	40	404	88.82	30	360	89.14	9	43	85.72
GREATER THAN 9999	226	2,298	100.00	164	2,032	100.00	61	256	100.00

1/TOTAL INCLUDES ALL RACES.
NOTE: *n*=EXAMINED PERSONS, *N*=ESTIMATED POPULATION IN THOUSANDS.

TABLE 29. CUMULATIVE PERCENTAGE DISTRIBUTION OF VITAMIN A INTAKE VALUES FOR PERSONS AGED 60 AND OVER BY RACE FOR INCOME LEVELS: UNITED STATES, 1971-72 (HANES PRELIMINARY)-CON.

[The standard for vitamin A intake for persons aged 60 years and over is 3500 I.U.]

VITAMIN A (I.U.)	1/TOTAL			WHITE			NEGRO		
	n	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT
	2/INCOME BELOW POVERTY LEVEL								
TOTAL	484	3,113	100.00	292	2,397	100.00	191	714	100.00
LESS THAN 250	18	126	4.05	7	95	3.96	11	31	4.34
250-499	16	81	6.66	10	69	6.85	6	12	6.04
500-749	17	112	10.26	14	96	10.84	3	16	8.34
750-999	27	141	14.80	10	83	14.30	17	58	16.52
1000-1249	31	124	18.78	19	91	18.08	12	33	21.13
1250-1499	33	200	25.19	21	166	25.02	12	33	25.79
1500-1799	31	180	30.97	20	122	30.10	11	58	33.92
1750-1999	29	204	37.53	19	156	36.61	10	48	40.66
2000-2249	18	91	40.45	11	71	39.55	7	20	43.51
2250-2499	23	133	44.74	16	87	43.19	7	46	49.99
2500-2999	42	361	56.35	28	309	56.10	14	52	57.27
3000-3499	22	165	61.65	11	128	61.45	11	37	62.40
3500-3999	24	185	67.59	20	168	68.44	3	16	64.68
4000-4499	18	124	71.56	12	92	72.27	6	32	69.16
4500-4999	14	180	77.34	11	168	79.29	3	12	70.78
5000-5999	22	106	80.74	13	84	82.79	9	22	73.86
6000-6999	14	68	82.92	11	63	85.41	3	5	74.54
7000-7999	20	186	88.89	9	127	90.70	11	59	82.78
8000-8999	9	77	91.36	5	62	93.30	4	15	84.87
9000-9999	7	50	92.96	4	44	95.15	3	5	85.62
GREATER THAN 9999	49	219	100.00	21	116	100.00	28	103	100.00
	2/INCOME ABOVE POVERTY LEVEL								
TOTAL	1,331	15,949	100.00	1,104	14,996	100.00	212	906	100.00
LESS THAN 250	14	118	0.74	7	105	0.70	7	13	1.43
250-499	23	287	2.54	20	275	2.53	3	12	2.72
500-749	44	309	4.48	28	276	4.37	15	33	6.34
750-999	45	545	7.89	38	518	7.83	6	19	8.40
1000-1249	50	624	11.80	45	596	11.80	5	27	11.41
1250-1499	65	777	16.67	53	741	16.74	12	36	15.36
1500-1799	65	868	22.11	48	820	22.21	15	36	19.34
1750-1999	73	850	27.44	60	793	27.50	13	57	25.61
2000-2249	72	684	31.73	54	624	31.66	17	59	32.14
2250-2499	73	918	37.48	64	902	37.68	9	16	33.86
2500-2999	113	1,542	47.15	99	1,443	47.30	14	100	44.84
3000-3499	95	1,309	55.36	84	1,238	55.56	9	67	52.24
3500-3999	69	819	60.50	65	750	60.56	3	66	59.47
4000-4499	66	911	66.21	57	878	66.42	7	30	62.75
4500-4999	48	439	68.96	40	426	69.26	7	11	63.91
5000-5999	71	863	74.37	61	818	74.71	10	46	68.93
6000-6999	52	485	77.42	38	392	77.32	13	93	79.23
7000-7999	52	797	82.41	47	785	82.56	5	11	80.49
8000-8999	44	530	85.74	35	514	85.99	8	15	82.12
9000-9999	30	320	87.74	23	281	87.86	6	37	86.23
GREATER THAN 9999	167	1,955	100.00	138	1,820	100.00	28	125	100.00

1/TOTAL INCLUDES ALL RACES.
2/EXCLUDES PERSONS WITH UNKNOWN INCOME.
NOTE: *n*=EXAMINED PERSONS, *N*=ESTIMATED POPULATION IN THOUSANDS.

TABLE 30. CUMULATIVE PERCENTAGE DISTRIBUTION OF VITAMIN C INTAKE VALUES FOR PERSONS AGED 1-5 BY RACE FOR INCOME LEVELS: UNITED STATES, 1971-72 (HANES PRELIMINARY)
[The standard for vitamin C intake for children aged 1-5 years is 40 mg]

VITAMIN C (MGS)	1/TOTAL			WHITE			NEGRO		
	n	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT
	ALL INCOME								
TOTAL	1,489	16,877	100.00	986	14,193	100.00	489	2,570	100.00
LESS THAN 5	57	500	2.96	34	341	2.40	23	159	6.19
5-9	126	1,350	10.96	70	1,104	10.18	56	246	15.74
10-14	129	1,384	19.16	85	1,180	18.50	44	204	23.69
15-19	110	1,504	28.07	79	1,235	27.20	31	269	34.16
20-24	85	740	32.46	45	564	31.17	39	166	40.64
25-29	80	829	37.37	57	708	36.15	22	119	45.28
30-34	61	716	41.61	41	622	40.53	19	77	48.29
35-39	51	708	45.81	38	653	45.13	13	55	50.45
40-44	49	598	49.36	36	528	48.85	13	71	53.21
45-49	38	524	52.46	30	460	52.09	8	64	55.71
50-54	36	450	55.12	30	414	55.01	6	35	57.08
55-59	24	247	56.58	15	216	56.53	8	28	58.19
60-64	28	297	58.34	18	250	58.29	9	42	59.82
65-69	27	243	59.78	12	191	59.64	14	51	61.79
70-79	79	1,018	65.81	53	860	65.70	25	156	67.87
80-89	87	822	70.69	46	651	70.28	41	172	74.55
90-99	58	683	74.73	37	555	74.19	20	117	79.11
100-109	54	576	78.15	35	460	77.43	18	99	82.97
110-119	41	580	81.58	34	524	81.12	7	56	85.13
120-129	29	259	83.12	18	201	82.54	11	58	87.38
130-139	32	409	85.54	24	386	85.26	8	23	88.28
140-149	37	413	87.99	24	357	87.77	12	55	90.43
GREATER THAN 149	171	2,027	100.00	125	1,735	100.00	42	246	100.00

1/TOTAL INCLUDES ALL RACES.
NOTE: *n*=EXAMINED PERSONS, *N*=ESTIMATED POPULATION IN THOUSANDS.

TABLE 30. CUMULATIVE PERCENTAGE DISTRIBUTION OF VITAMIN C INTAKE VALUES FOR PERSONS AGED 1-5 BY RACE FOR INCOME LEVELS: UNITED STATES, 1971-72 (HANES PRELIMINARY)-CON.
[The standard for vitamin C intake for children aged 1-5 years is 40 mg]

VITAMIN C (MGS)	1/TOTAL			WHITE			NEGRO		
	n	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT
	2/INCOME BELOW POVERTY LEVEL								
TOTAL	448	3,183	100.00	180	1,915	100.00	265	1,252	100.00
LESS THAN 5	25	114	3.60	14	70	3.67	11	44	3.54
5-9	43	297	12.92	13	170	12.56	30	127	13.65
10-14	49	307	22.55	24	204	23.20	25	103	21.86
15-19	36	394	34.92	18	246	36.03	20	148	33.68
20-24	33	235	42.31	11	138	43.25	21	87	40.65
25-29	29	197	48.49	15	126	49.84	14	70	46.28
30-34	14	124	52.39	8	111	55.63	6	13	47.35
35-39	6	64	54.42	2	50	58.23	4	15	48.54
40-44	14	163	59.55	5	126	64.82	9	37	51.51
45-49	6	46	61.00	1	2	64.91	5	44	55.06
50-54	8	68	63.14	3	48	67.41	5	20	56.68
55-59	7	58	64.95	4	50	70.01	3	8	57.29
60-64	7	51	66.55	2	14	70.76	4	32	59.83
65-69	8	21	67.22	-	-	70.76	8	21	61.53
70-79	17	111	70.70	5	50	73.39	12	60	66.35
80-89	39	215	77.45	10	104	78.79	29	112	75.27
90-99	11	55	79.18	4	26	80.13	7	29	77.61
100-109	14	79	81.67	6	42	82.35	8	37	80.57
110-119	11	156	86.59	6	108	87.96	5	49	84.47
120-129	9	70	88.80	5	27	89.37	4	43	87.93
130-139	8	31	89.77	1	11	89.96	7	20	89.49
140-149	10	80	92.28	4	56	92.87	6	24	91.43
GREATER THAN 149	42	246	100.00	19	136	100.00	22	107	100.00
	2/INCOME ABOVE POVERTY LEVEL								
TOTAL	1,010	13,344	100.00	791	12,019	100.00	208	1,229	100.00
LESS THAN 5	30	367	2.75	20	271	2.25	10	96	7.82
5-9	81	1,048	10.60	56	930	9.99	25	118	17.45
10-14	76	1,051	18.48	60	956	17.94	16	95	25.22
15-19	72	1,110	26.80	61	989	26.17	11	121	35.09
20-24	50	462	30.27	32	383	29.36	18	79	41.54
25-29	50	623	34.93	41	571	34.11	8	49	45.50
30-34	45	564	39.16	32	497	38.25	12	50	49.60
35-39	43	591	43.58	34	550	42.82	9	41	52.91
40-44	34	434	46.84	31	401	46.16	3	33	55.58
45-49	31	471	50.37	29	458	49.97	2	13	56.67
50-54	27	367	53.12	27	367	53.02	-	-	56.67
55-59	17	189	54.53	11	166	54.40	5	21	58.36
60-64	19	222	56.20	14	212	56.17	5	10	59.18
65-69	19	221	57.86	12	191	57.76	6	29	61.56
70-79	62	908	64.66	48	810	64.50	13	96	69.37
80-89	46	602	69.17	35	546	69.03	11	57	73.97
90-99	46	596	73.63	32	496	73.16	13	88	81.13
100-109	39	484	77.25	29	418	76.64	9	49	85.12
110-119	28	400	80.25	27	399	79.96	1	1	85.20
120-129	19	186	81.64	13	174	81.40	6	12	86.17
130-139	24	379	84.48	23	375	84.52	1	4	86.47
140-149	26	331	86.96	20	301	87.03	5	29	88.79
GREATER THAN 149	126	1,740	100.00	104	1,559	100.00	19	138	100.00

1/TOTAL INCLUDES ALL RACES.
2/EXCLUDES PERSONS WITH UNKNOWN INCOME.
NOTE: *n*=EXAMINED PERSONS, *N*=ESTIMATED POPULATION IN THOUSANDS.

TABLE 31. CUMULATIVE PERCENTAGE DISTRIBUTION OF VITAMIN C INTAKE VALUES FOR PERSONS AGED 18-44 BY SEX AND RACE FOR INCOME LEVELS: UNITED STATES, 1971-72 (HANES PRELIMINARY)

[The standard for vitamin C intake for males aged 18-44 years is 60 mg and for females at these ages, 55 mg]

	VITAMIN C (MGS)	TOTAL			MALE			FEMALE		
		n	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT
		ALL INCOME								
1	TOTAL.....	3,444	71,474	100.00	1,038	34,341	100.00	2,406	37,134	100.00
2	LESS THAN 5.....	229	3,755	5.25	59	1,639	4.77	170	2,116	5.70
3	5-9.....	196	3,470	10.11	48	1,402	8.85	148	2,068	11.27
4	10-14.....	228	4,054	15.78	49	1,436	13.04	179	2,618	18.32
5	15-19.....	185	4,189	21.64	57	2,101	19.15	128	2,088	23.94
6	20-24.....	151	2,831	25.60	38	961	21.95	113	1,870	28.98
7	25-29.....	159	3,056	29.88	55	1,628	26.69	104	1,429	32.82
8	30-34.....	158	3,265	34.45	45	1,410	30.80	113	1,854	37.82
9	35-39.....	144	2,591	38.07	36	1,193	34.27	108	1,398	41.58
10	40-44.....	133	2,903	42.13	40	1,402	38.35	93	1,501	45.63
11	45-49.....	105	2,455	45.57	42	1,420	42.49	63	1,035	48.41
12	50-54.....	105	2,187	48.63	35	1,071	45.61	70	1,116	51.42
13	55-59.....	84	2,064	51.51	34	1,132	48.90	50	931	53.93
14	60-64.....	95	1,788	54.02	34	802	51.24	61	986	56.58
15	65-69.....	66	1,509	56.13	18	726	53.35	48	782	58.69
16	70-79.....	139	3,184	60.58	40	1,350	57.28	99	1,835	63.63
17	80-89.....	144	3,698	65.76	48	2,071	63.32	96	1,627	68.01
18	90-99.....	147	2,948	69.88	40	1,320	67.16	107	1,628	72.40
19	100-109.....	109	2,268	73.05	37	1,202	70.66	72	1,067	75.27
20	110-119.....	77	1,907	75.72	26	1,077	73.80	51	829	77.50
21	120-129.....	87	1,898	78.38	24	749	75.98	63	1,148	80.60
22	130-139.....	80	1,758	80.84	19	712	78.05	61	1,046	83.41
23	140-149.....	70	1,472	82.90	18	583	79.75	52	889	85.81
24	GREATER THAN 149.....	553	12,225	100.00	196	6,954	100.00	357	5,271	100.00

NOTE: *n*=EXAMINED PERSONS, *N*=ESTIMATED POPULATION IN THOUSANDS.

TABLE 31. CUMULATIVE PERCENTAGE DISTRIBUTION OF VITAMIN C INTAKE VALUES FOR PERSONS AGED 18-44 BY SEX AND RACE FOR INCOME LEVELS: UNITED STATES, 1971-72 (HANES PRELIMINARY)-CON.

[The standard for vitamin C intake for males aged 18-44 years is 60 mg and for females at these ages, 55 mg]

WHITE MALE			WHITE FEMALE			NEGRO MALE			NEGRO FEMALE			
n	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT	
ALL INCOME												
808	30,458	100.00	1,758	32,342	100.00	211	3,440	100.00	618	4,541	100.00	1
37	1,424	4.68	104	1,664	5.15	21	212	6.17	65	449	9.90	2
30	965	7.84	96	1,718	10.46	16	424	18.49	52	350	17.60	3
35	1,261	11.98	121	2,197	17.25	14	174	23.56	56	401	26.44	4
45	1,703	17.58	93	1,880	23.07	9	259	31.09	34	207	30.99	5
28	884	20.48	85	1,590	27.98	10	77	33.32	26	269	36.92	6
35	1,368	24.97	69	1,208	31.71	19	255	40.74	34	211	41.56	7
37	1,266	29.13	92	1,719	37.03	7	139	44.79	20	124	44.29	8
25	954	32.26	87	1,257	40.91	9	190	50.31	19	127	47.08	9
34	1,318	36.59	72	1,321	45.00	6	83	52.73	19	141	50.18	10
31	1,209	40.55	51	943	47.92	10	209	58.81	12	91	52.20	11
28	1,031	43.94	50	891	50.67	7	40	59.96	20	225	57.16	12
31	1,047	47.38	42	859	53.33	3	85	62.45	8	72	58.74	13
26	714	49.72	48	875	56.03	8	88	65.00	12	80	60.51	14
16	678	51.95	41	738	58.32	2	48	66.40	7	44	61.48	15
27	1,031	55.33	87	1,761	63.76	13	318	75.65	10	60	62.81	16
42	2,004	61.91	75	1,467	68.29	5	23	76.33	19	128	65.62	17
37	1,278	66.11	73	1,361	72.50	2	35	77.36	34	267	71.51	18
30	1,104	69.73	51	907	75.31	7	98	80.21	21	160	75.03	19
24	1,066	73.23	32	635	77.27	2	11	80.53	19	194	79.31	20
18	633	75.31	54	1,088	80.64	6	117	83.92	9	60	80.63	21
17	683	77.55	42	853	83.27	1	3	84.01	15	162	84.20	22
16	578	79.45	37	760	85.62	1	3	84.09	14	127	86.99	23
159	6,258	100.00	256	4,650	100.00	33	547	100.00	93	591	100.00	24

TABLE 31. CUMULATIVE PERCENTAGE DISTRIBUTION OF VITAMIN C INTAKE VALUES FOR PERSONS AGED 18-44 BY SEX AND RACE FOR INCOME LEVELS: UNITED STATES, 1971-72 (HANES PRELIMINARY)-CON.

[The standard for vitamin C intake for males aged 18-44 years is 60 mg and for females at these ages, 55 mg]

	VITAMIN C (MGS)	TOTAL			MALE			FEMALE		
		n	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT
		2/INCOME BELOW POVERTY LEVEL								
1	TOTAL.....	591	6,790	100.00	128	2,538	100.00	463	4,252	100.00
2	LESS THAN 5.....	75	636	9.37	20	285	11.23	55	351	8.26
3	5-9.....	55	646	18.88	12	347	24.89	43	299	15.29
4	10-14.....	53	461	25.67	7	65	27.47	46	396	24.60
5	15-19.....	35	485	32.81	7	221	36.18	28	264	30.80
6	20-24.....	24	316	37.47	3	16	36.80	21	301	37.87
7	25-29.....	36	442	43.98	13	254	46.83	23	188	42.29
8	30-34.....	28	354	49.19	2	22	47.69	26	332	50.09
9	35-39.....	23	358	54.47	2	18	48.40	21	340	58.09
10	40-44.....	19	168	56.94	4	61	50.82	15	107	60.60
11	45-49.....	16	197	59.84	6	96	54.59	10	101	62.96
12	50-54.....	16	207	62.89	-	-	54.59	16	207	67.84
13	55-59.....	13	163	65.29	7	124	59.47	6	39	68.76
14	60-64.....	12	124	67.11	5	65	62.03	7	59	70.14
15	65-69.....	4	15	67.34	-	-	62.03	4	15	70.50
16	70-79.....	19	262	71.20	7	192	69.59	12	71	72.16
17	80-89.....	14	61	72.10	3	13	70.09	11	48	73.30
18	90-99.....	20	191	74.91	3	73	72.96	17	118	76.08
19	100-109.....	15	266	78.83	4	167	79.53	11	99	78.41
20	110-119.....	9	93	80.19	-	-	79.53	9	93	80.59
21	120-129.....	11	205	83.21	2	18	80.23	9	187	84.99
22	130-139.....	9	66	84.18	1	3	80.35	8	63	86.47
23	140-149.....	12	131	86.11	2	34	81.67	10	97	88.76
24	GREATER THAN 149.....	73	943	100.00	18	465	100.00	55	478	100.00
		2/INCOME ABOVE POVERTY LEVEL								
1	TOTAL.....	2,700	61,847	100.00	866	30,482	100.00	1,834	31,365	100.00
2	LESS THAN 5.....	145	2,968	4.80	36	1,258	4.13	109	1,710	5.45
3	5-9.....	130	2,669	9.11	34	990	7.37	96	1,680	10.81
4	10-14.....	164	3,410	14.63	39	1,300	11.64	125	2,110	17.54
5	15-19.....	142	3,624	20.49	47	1,865	17.76	95	1,759	23.14
6	20-24.....	117	2,377	24.33	32	914	20.76	85	1,462	27.80
7	25-29.....	113	2,420	28.24	38	1,278	24.95	75	1,142	31.44
8	30-34.....	124	2,778	32.74	41	1,282	29.15	83	1,497	36.22
9	35-39.....	114	2,184	36.27	34	1,175	33.01	80	1,009	39.43
10	40-44.....	111	2,560	40.41	34	1,167	36.84	77	1,393	43.87
11	45-49.....	86	2,207	43.97	35	1,316	41.15	51	891	46.72
12	50-54.....	87	1,906	47.06	33	997	44.43	54	909	49.61
13	55-59.....	69	1,879	50.09	27	1,008	47.73	42	870	52.39
14	60-64.....	81	1,624	52.72	29	737	50.15	52	887	55.21
15	65-69.....	57	1,447	55.06	18	726	52.53	39	720	57.51
16	70-79.....	117	2,794	59.58	32	1,088	56.10	85	1,706	62.95
17	80-89.....	122	3,418	65.10	43	1,998	62.66	79	1,420	67.48
18	90-99.....	121	2,663	69.41	34	1,179	66.53	87	1,484	72.21
19	100-109.....	91	1,973	72.60	31	1,010	69.84	60	963	75.28
20	110-119.....	64	1,749	75.43	26	1,077	73.37	38	672	77.42
21	120-129.....	73	1,643	78.08	22	732	75.77	51	911	80.33
22	130-139.....	68	1,591	80.66	17	652	77.91	51	940	83.32
23	140-149.....	57	1,305	82.76	16	550	79.71	41	755	85.73
24	GREATER THAN 149.....	447	10,659	100.00	168	6,183	100.00	279	4,476	100.00

2/EXCLUDES PERSONS WITH UNKNOWN INCOME
NOTE: *n*=EXAMINED PERSONS, *N*=ESTIMATED POPULATION IN THOUSANDS.

TABLE 31. CUMULATIVE PERCENTAGE DISTRIBUTION OF VITAMIN C INTAKE VALUES FOR PERSONS AGED 18-44 BY SEX AND RACE FOR INCOME LEVELS: UNITED STATES, 1971-72 (HANES PRELIMINARY)-CON.

[The standard for vitamin C intake for males aged 18-44 years is 60 mg and for females at these ages, 55 mg]

WHITE MALE			WHITE FEMALE			NEGRO MALE			NEGRO FEMALE			
n	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT	*n*	*N*		*n*	*N*	CUMULATIVE PERCENT	
2/INCOME BELOW POVERTY LEVEL												
62	1,504	100.00	205	2,679	100.00	61	936	100.00	253	1,536	100.00	1
7	185	12.33	20	160	5.95	12	97	10.40	34	189	12.32	2
6	156	22.72	20	182	12.76	6	190	30.75	23	116	19.90	3
6	61	26.74	23	299	23.92	1	5	31.26	23	97	26.19	4
4	161	37.45	11	120	28.40	3	60	37.70	17	144	35.54	5
-	-	37.45	14	274	38.63	3	16	39.38	5	15	36.52	6
6	186	49.79	9	134	43.64	7	69	46.73	13	44	39.36	7
1	17	50.90	16	267	53.62	-	-	46.73	10	64	43.55	8
2	18	52.10	12	249	62.93	-	-	46.73	8	78	48.66	9
3	53	55.65	6	62	65.24	1	8	47.58	9	45	51.58	10
1	10	56.34	6	88	68.53	5	86	56.72	4	12	52.38	11
-	-	56.34	6	100	72.26	-	-	56.72	10	107	59.37	12
7	124	64.56	5	37	73.64	-	-	56.72	1	2	59.51	13
4	58	68.40	3	49	75.47	1	7	57.52	4	10	60.15	14
-	-	68.40	1	3	75.57	-	-	57.52	3	12	60.96	15
2	56	72.12	7	39	77.01	5	136	72.02	5	32	63.05	16
-	-	72.12	3	14	77.55	3	13	73.39	8	34	65.25	17
2	43	74.97	8	46	79.27	1	30	76.58	9	72	69.94	18
2	132	83.72	3	32	80.45	2	35	80.35	8	68	74.34	19
-	-	83.72	2	37	81.84	-	-	80.35	7	55	77.95	20
-	-	83.72	5	143	87.17	2	18	82.25	4	44	80.85	21
-	-	83.72	2	27	88.19	1	3	82.56	6	35	83.15	22
2	34	85.96	3	57	90.32	-	-	82.56	7	40	85.77	23
7	211	100.00	20	259	100.00	8	163	100.00	35	219	100.00	24
2/INCOME ABOVE POVERTY LEVEL												
714	27,756	100.00	1,478	28,331	100.00	140	2,393	100.00	333	2,840	100.00	1
28	1,158	4.17	82	1,473	5.20	8	100	4.18	27	237	8.35	2
23	758	6.90	71	1,456	10.34	9	218	13.31	25	223	16.21	3
28	1,149	11.04	94	1,814	16.75	11	151	19.60	30	293	26.53	4
38	1,527	16.55	79	1,701	22.75	6	199	27.91	15	56	28.52	5
26	865	19.66	66	1,216	27.04	6	49	29.97	19	246	37.17	6
27	1,097	23.61	54	975	30.48	11	181	37.55	21	167	43.06	7
34	1,142	27.73	73	1,427	35.52	7	139	43.36	9	58	45.09	8
23	936	31.10	71	969	38.94	9	190	51.30	9	40	46.50	9
29	1,091	35.03	65	1,258	43.38	5	76	54.45	10	96	49.88	10
29	1,191	39.32	43	812	46.25	5	124	59.62	8	79	52.66	11
26	957	42.77	44	791	49.04	7	40	61.27	10	118	56.81	12
24	923	46.10	35	800	51.86	3	85	64.84	7	70	59.27	13
22	657	48.46	45	826	54.78	7	80	68.20	6	30	60.32	14
16	678	50.91	37	697	57.24	2	48	70.21	2	24	61.15	15
24	906	54.17	78	1,665	63.12	8	183	77.84	5	28	62.14	16
41	1,953	61.21	67	1,296	67.69	1	2	77.92	10	91	65.36	17
33	1,173	65.43	63	1,293	72.25	1	6	78.15	24	191	72.09	18
28	972	68.94	47	871	75.33	3	38	79.73	13	92	75.34	19
24	1,066	72.78	27	534	77.21	2	11	80.19	11	138	80.19	20
18	633	75.06	46	896	80.37	4	99	84.32	5	16	80.73	21
16	625	77.31	38	783	83.14	-	-	84.32	9	127	85.20	22
14	544	79.27	33	666	85.49	1	3	84.45	7	86	88.24	23
143	5,754	100.00	220	4,111	100.00	24	372	100.00	51	334	100.00	24

TABLE 32. CUMULATIVE PERCENTAGE DISTRIBUTION OF VITAMIN C INTAKE VALUES FOR PERSONS AGED 60 AND OVER BY RACE FOR INCOME LEVELS: UNITED STATES, 1971-72 (HANES PRELIMINARY)

[The standard for vitamin C intake for males aged 60 years and over is 60 mg and for females at these ages, 55 mg; however, sex breakdowns are not given and the standard of 60 mg is used]

VITAMIN C (MGS)	1/TOTAL			WHITE			NEGRO		
	n	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT
	ALL INCOME								
TOTAL	1,938	20,560	100.00	1,486	18,719	100.00	435	1,791	100.00
LESS THAN 5	144	916	4.45	89	759	4.06	54	148	8.28
5-9	102	859	8.63	68	739	8.01	33	116	14.76
10-14	94	744	12.25	73	669	11.58	20	73	18.86
15-19	81	779	16.04	66	704	15.34	13	73	22.94
20-24	69	689	19.39	50	620	18.65	19	69	26.77
25-29	63	796	23.26	47	712	22.46	15	84	31.44
30-34	82	741	26.86	67	680	26.09	14	58	34.70
35-39	71	688	30.21	51	647	29.55	20	42	37.04
40-44	48	474	32.52	33	414	31.76	15	60	40.38
45-49	68	776	36.29	54	699	35.49	14	77	44.67
50-54	42	525	38.84	32	499	38.16	10	26	46.11
55-59	47	466	41.11	42	458	40.60	5	8	46.57
60-64	42	518	43.63	30	390	42.69	12	128	53.71
65-69	51	496	46.04	39	455	45.12	11	40	55.93
70-79	103	1,068	51.24	78	940	50.14	24	127	63.02
80-89	88	1,047	56.33	73	1,007	55.52	13	37	65.11
90-99	86	996	61.17	75	903	60.35	10	92	70.24
100-109	68	803	65.08	55	777	64.50	13	26	71.70
110-119	82	1,092	70.39	69	1,011	69.90	13	81	76.23
120-129	71	751	74.04	57	713	73.71	14	37	78.31
130-139	50	502	76.48	40	481	76.28	10	21	79.50
140-149	64	946	81.08	52	891	81.03	12	55	82.59
GREATER THAN 149	322	3,889	100.00	246	3,550	100.00	71	312	100.00

1/TOTAL INCLUDES ALL RACES.
NOTE: *n*=EXAMINED PERSONS, *N*=ESTIMATED POPULATION IN THOUSANDS.

TABLE 32. CUMULATIVE PERCENTAGE DISTRIBUTION OF VITAMIN C INTAKE VALUES FOR PERSONS AGED 60 AND OVER BY RACE FOR INCOME LEVELS: UNITED STATES, 1971-72 (HANES PRELIMINARY)-CON.

[The standard for vitamin C intake for males aged 60 years and over is 60 mg and for females at these ages, 55 mg, however, sex breakdowns are not given and the standard of 60 mg is used]

VITAMIN C (MGS)	1/TOTAL			WHITE			NEGRO		
	n	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT
	2/INCOME BELOW POVERTY LEVEL								
TOTAL	484	3,113	100.00	292	2,397	100.00	191	714	100.00
LESS THAN 5	72	307	9.85	36	205	8.57	36	101	14.19
5-9	35	168	15.25	17	105	12.93	18	63	23.03
10-14	29	166	20.57	19	129	18.31	10	37	28.18
15-19	28	230	27.96	22	172	25.48	6	58	36.32
20-24	18	220	35.02	9	195	33.59	9	25	39.84
25-29	16	95	38.07	11	74	36.68	5	21	42.78
30-34	24	139	42.53	20	119	41.67	4	19	45.48
35-39	22	168	47.94	14	151	47.95	8	18	47.96
40-44	14	97	51.06	9	73	51.00	5	24	51.33
45-49	11	65	53.14	8	58	53.43	3	7	52.25
50-54	11	79	55.68	6	62	56.01	5	17	54.65
55-59	8	76	58.11	8	76	59.16	-	-	54.65
60-64	8	47	59.63	4	27	60.29	4	20	57.52
65-69	11	34	60.72	5	24	61.31	5	9	58.71
70-79	20	121	64.62	14	81	64.68	6	40	64.37
80-89	16	126	68.68	15	125	69.88	1	2	64.63
90-99	14	98	71.84	9	73	72.90	5	26	68.24
100-109	12	52	73.51	8	46	74.81	4	6	69.11
110-119	13	175	79.13	8	148	80.98	5	27	72.91
120-129	14	85	81.87	10	70	83.91	4	15	74.97
130-139	9	50	83.47	5	42	85.68	4	8	76.06
140-149	19	134	87.77	13	108	90.19	6	26	79.63
GREATER THAN 149	60	381	100.00	22	235	100.00	38	146	100.00
	2/INCOME ABOVE POVERTY LEVEL								
TOTAL	1,331	15,949	100.00	1,104	14,996	100.00	212	906	100.00
LESS THAN 5	66	580	3.63	49	530	3.54	16	41	4.55
5-9	59	637	7.63	45	585	7.43	13	49	9.97
10-14	61	518	10.88	50	480	10.64	10	37	14.00
15-19	51	537	14.25	42	520	14.11	7	15	15.65
20-24	45	406	16.79	35	363	16.52	10	43	20.45
25-29	45	672	21.00	35	625	20.69	9	46	25.51
30-34	55	597	24.75	46	560	24.43	9	37	29.60
35-39	45	508	27.93	35	486	27.67	10	21	31.93
40-44	28	334	30.02	20	303	29.69	8	31	35.40
45-49	53	675	34.26	44	614	33.79	9	61	42.10
50-54	28	422	36.90	24	415	36.55	4	7	42.88
55-59	38	369	39.21	33	361	38.96	5	8	43.78
60-64	31	392	41.67	24	324	41.12	7	69	51.36
65-69	34	397	44.16	30	387	43.70	4	10	52.50
70-79	69	857	49.54	57	786	48.94	11	70	60.19
80-89	66	886	55.09	54	851	54.62	10	33	63.78
90-99	66	797	60.09	60	730	59.49	5	66	71.07
100-109	53	659	64.23	45	645	63.79	8	14	72.65
110-119	64	802	69.25	56	748	68.77	8	54	78.61
120-129	52	588	72.94	43	566	72.55	9	22	80.99
130-139	34	375	75.29	30	363	74.97	4	11	82.24
140-149	43	792	80.25	37	762	80.06	6	30	85.53
GREATER THAN 149	245	3,149	100.00	210	2,991	100.00	30	131	100.00

1/TOTAL INCLUDES ALL RACES.
2/EXCLUDES PERSONS WITH UNKNOWN INCOME.
NOTE: *n*=EXAMINED PERSONS, *N*=ESTIMATED POPULATION IN THOUSANDS.

Table 33. Biochemical determinations for persons aged 1-74 years by race and sex for income levels: number of persons, mean, median, and percent with low values, United States, 1971-72 (HANES Preliminary)

Sex and biochemical test	Total[1]	White	Negro	Total[1]	White	Negro	Total[1]	White	Negro
	All income			Income below poverty level[2]			Income above poverty level[2]		
BOTH SEXES									
n	10,126	7,355	2,666	2,264	1,041	1,203	7,410	6,005	1,326
N	192,726	168,615	22,691	24,748	15,556	8,914	158,982	145,295	12,620
Hemoglobin (gm/100 ml)									
Mean	14.39	14.51	13.50	13.66	13.94	13.16	14.49	14.56	13.73
Median	14.36	14.47	13.38	13.53	13.79	12.89	14.45	14.51	13.62
Percent with low values	4.90	3.79	13.28	8.34	4.26	15.43	4.36	3.80	11.07
Hematocrit (percent)									
Mean	42.31	42.53	40.71	40.71	41.11	39.95	42.53	42.65	41.22
Median	42.02	42.18	40.66	40.53	40.94	38.84	42.21	42.29	41.19
Percent with low values	11.50	10.48	18.56	13.32	9.41	19.49	11.32	10.68	18.04
Serum iron (μg/100 ml)									
Mean	108.06	108.97	101.04	104.21	106.56	99.94	108.43	108.99	101.51
Median	104.98	105.62	100.11	102.57	105.16	96.39	105.89	106.31	101.12
Percent with low values	2.01	2.01	2.09	2.87	2.87	2.96	1.95	2.00	1.56
Transferrin saturation (percent)									
Mean	33.20	33.51	30.83	31.77	32.74	30.03	33.31	33.49	31.21
Median	31.90	32.19	30.04	30.70	31.17	29.45	32.11	32.24	30.14
Percent with low values	6.40	6.23	7.92	8.89	9.13	8.68	6.18	6.09	7.56
Serum protein (gm/100 ml)									
Mean	7.06	7.03	7.29	7.17	7.08	7.33	7.04	7.02	7.27
Median	7.09	7.07	7.26	7.17	7.11	7.28	7.08	7.06	7.24
Percent with low values	8.08	8.73	3.44	3.71	4.94	1.68	8.75	9.15	4.23
Serum albumin (gm/100 ml)									
Mean	4.45	4.46	4.35	4.39	4.42	4.34	4.45	4.46	4.36
Median	4.51	4.52	4.31	4.33	4.36	4.29	4.52	4.53	4.32
Percent with low values	1.22	1.23	1.10	1.08	0.88	1.47	1.21	1.23	0.75
Serum vitamin A (μg/100 ml)									
Mean	53.36	54.13	47.74	46.08	47.52	43.60	54.26	54.58	50.56
Median	51.15	51.90	44.45	42.77	44.28	40.32	52.09	52.40	47.20
Percent with low values	0.46	0.34	1.39	1.12	0.84	1.63	0.36	0.30	1.17
MALE									
n	4,329	3,163	1,112	932	431	489	3,206	2,602	565
N	93,512	82,144	10,504	11,297	7,052	4,056	78,055	71,578	5,816
Hemoglobin (gm/100 ml)									
Mean	15.07	15.18	14.17	14.16	14.39	13.74	15.19	15.24	14.51
Median	15.28	15.37	14.31	14.10	14.37	13.53	15.37	15.41	14.68
Percent with low values	5.92	4.72	15.58	9.57	4.60	18.04	5.26	4.75	12.16
Hematocrit (percent)									
Mean	43.90	44.10	42.42	41.94	42.17	41.46	44.15	44.25	43.15
Median	44.67	44.81	42.24	41.57	41.94	40.80	44.85	44.91	44.02
Percent with low values	16.08	14.99	23.75	16.62	12.10	23.21	15.98	15.23	24.44
Serum iron (μg/100 ml)									
Mean	110.16	110.87	104.14	106.48	109.13	101.24	110.64	110.98	105.98
Median	106.50	106.93	102.90	104.39	107.39	97.24	107.88	108.13	105.24
Percent with low values	2.84	2.87	2.86	3.05	2.76	3.68	2.94	3.00	2.43

[1]Total includes all races.
[2]Excludes persons with unknown income.

NOTE: *n* = examined persons, *N* = estimated population in thousands.

Table 33. Biochemical determinations for persons aged 1-74 years by race and sex for income levels. number of persons, mean, median, and percent with low values, United States, 1971-72 (HANES Preliminary)—Con.

Sex and biochemical test	Total[1]	White	Negro	Total[1]	White	Negro	Total[1]	White	Negro
MALE—Con.	All income			Income below poverty level[2]			Income above poverty level[2]		
Transferrin saturation (percent)									
Mean	34.34	34.58	32.44	32.98	34.08	30.91	34.53	34.62	33.37
Median	33.11	33.19	32.31	32.38	33.18	30.93	33.26	33.24	32.87
Percent with low values	7.36	7.25	8.78	10.03	10.16	10.26	7.06	7.07	7.64
Serum protein (gm/100 ml)									
Mean	7.07	7.04	7.24	7.14	7.07	7.25	7.05	7.03	7.25
Median	7.10	7.08	7.23	7.14	7.08	7.25	7.09	7.08	7.23
Percent with low values	6.83	7.34	2.84	3.38	4.86	0.97	7.23	7.54	3.32
Serum albumin (gm/100 ml)									
Mean	4.51	4.52	4.40	4.43	4.46	4.37	4.52	4.52	4.43
Median	4.56	4.57	4.37	4.36	4.37	4.34	4.57	4.58	4.39
Percent with low values	0.72	0.78	0.35	0.34	0.32	0.40	0.78	0.82	0.35
Serum vitamin A (μg/100 ml)									
Mean	55.39	56.16	49.46	46.42	47.67	44.39	56.65	56.96	52.91
Median	53.81	54.51	46.10	43.18	44.38	41.18	54.99	55.27	50.41
Percent with low values	0.43	0.42	0.56	1.16	1.24	1.09	0.35	0.36	0.25
FEMALE									
n	5,797	4,192	1,554	1,332	610	714	4,204	3,403	761
N	99,214	86,470	12,188	13,451	8,504	4,858	80,927	73,718	6,804
Hemoglobin (gm/100 ml)									
Mean	13.76	13.87	12.91	13.24	13.57	12.67	13.82	13.89	13.06
Median	13.75	13.85	12.87	13.31	13.59	12.69	13.80	13.87	13.10
Percent with low values	3.93	2.91	11.29	7.31	3.99	13.25	3.49	2.89	10.14
Hematocrit (percent)									
Mean	40.82	41.04	39.24	39.67	40.23	38.69	40.97	41.10	39.57
Median	41.03	41.18	38.87	39.00	40.47	38.58	41.15	41.23	40.15
Percent with low values	7.19	6.19	14.09	10.54	7.17	16.38	6.83	6.26	12.57
Serum iron (μg/100 ml)									
Mean	106.09	107.17	98.37	102.31	104.43	98.85	106.29	107.05	97.68
Median	103.64	104.48	96.26	101.13	103.47	95.54	104.05	104.69	94.82
Percent with low values	1.22	1.20	1.43	2.73	2.97	2.36	1.00	1.02	0.81
Transferrin saturation (percent)									
Mean	32.12	32.49	29.44	30.76	31.62	29.29	32.14	32.39	29.36
Median	30.85	31.20	28.54	29.46	30.01	28.67	30.92	31.19	28.29
Percent with low values	5.49	5.26	7.18	7.93	8.28	7.36	5.33	5.14	7.50
Serum protein (gm/100 ml)									
Mean	7.05	7.01	7.32	7.20	7.09	7.39	7.03	7.00	7.29
Median	7.09	7.06	7.28	7.19	7.13	7.31	7.07	7.05	7.26
Percent with low values	9.27	10.04	3.95	3.98	5.00	2.26	10.22	10.71	5.01
Serum albumin (gm/100 ml)									
Mean	4.39	4.40	4.30	4.36	4.39	4.30	4.39	4.40	4.30
Median	4.35	4.37	4.27	4.31	4.34	4.26	4.36	4.37	4.28
Percent with low values	1.69	1.66	1.74	1.70	1.34	2.36	1.62	1.64	1.08
Serum vitamin A (μg/100 ml)									
Mean	51.44	52.19	46.25	45.79	47.40	42.94	51.95	52.28	48.55
Median	47.75	48.36	43.16	42.45	44.20	38.76	48.31	48.56	45.56
Percent with low values	0.49	0.27	2.10	1.08	0.51	2.08	0.38	0.24	1.95

[1]Total includes all races.
[2]Excludes persons with unknown income.

NOTE: *n* = examined persons, *N* = estimated population in thousands.

Table 34. Biochemical determinations for persons aged 1-5 years by race for income levels: number of persons, mean, median, and percent with low values, United States, 1971-72 (HANES Preliminary)

Biochemical test	Total[1]	White	Negro	Total[1]	White	Negro	Total[1]	White	Negro
	All income			Income below poverty level[2]			Income above poverty level[2]		
n	1,489	986	489	448	180	265	1,010	791	208
N	16,877	14,193	2,570	3,183	1,915	1,252	13,344	12,019	1,229
Hemoglobin (gm/100 ml)									
Mean	12.67	12.79	12.01	12.20	12.37	11.94	12.77	12.85	12.00
Median	12.64	12.72	12.26	12.33	12.40	12.19	12.72	12.78	12.28
Percent with low values	2.65	1.66	8.23	6.63	4.94	9.31	1.77	1.18	7.72
Hematocrit (percent)									
Mean	37.46	37.61	36.65	36.68	36.89	36.35	37.64	37.72	36.81
Median	37.00	37.00	37.00	37.00	37.00	36.00	38.02	38.05	37.00
Percent with low values	1.53	1.03	4.34	2.79	1.50	4.79	1.27	0.98	4.19
Serum iron (μg/100 ml)									
Mean	93.45	94.23	88.92	93.59	96.30	89.45	92.97	93.44	87.75
Median	91.92	92.58	86.28	90.24	92.24	87.31	91.83	92.32	83.49
Percent with low values	2.53	2.20	4.47	3.76	2.51	5.71	2.26	2.19	3.14
Transferrin saturation (percent)									
Mean	28.23	28.48	26.68	27.66	28.96	25.64	28.22	28.28	27.37
Median	27.11	27.39	24.51	25.80	26.67	24.90	27.08	27.27	23.48
Percent with low values	10.55	9.03	18.79	14.14	12.90	15.83	9.84	8.57	22.11
Serum protein (gm/100 ml)									
Mean	6.75	6.74	6.84	6.82	6.76	6.92	6.73	6.73	6.77
Median	6.73	6.72	6.84	6.81	6.76	6.89	6.71	6.71	6.79
Percent with low values	0.24	0.17	0.63	0.14	0.00	0.36	0.27	0.20	0.94
Serum albumin (gm/100 ml)									
Mean	4.44	4.47	4.29	4.40	4.47	4.31	4.45	4.47	4.28
Median	4.50	4.53	4.26	4.35	4.52	4.27	4.51	4.53	4.25
Percent with low values	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Serum vitamin A (μg/100 ml)									
Mean	37.18	38.23	31.35	33.54	34.49	32.14	38.02	38.77	30.66
Median	35.74	36.49	31.11	33.12	33.96	31.47	36.43	36.97	30.79
Percent with low values	3.45	2.26	10.20	4.54	1.61	9.08	3.13	2.41	10.34

[1]Total includes all races.
[2]Excludes persons with unknown income.

NOTE: *n* = examined persons, *N* = estimated population in thousands.

Table 35. Biochemical determinations for persons aged 6-11 years by race for income levels: number of persons, mean, median, and percent with low values, United States, 1971-72 (HANES Preliminary)

Biochemical test	Total[1]	White	Negro	Total[1]	White	Negro	Total[1]	White	Negro
	All income			Income below poverty level[2]			Income above poverty level[2]		
n	1,067	738	324	312	133	177	721	587	131
N	24,835	21,056	3,690	5,294	3,415	1,831	18,695	17,050	1,602
Hemoglobin (gm/100 ml)									
Mean	13.33	13.44	12.66	12.88	13.10	12.44	13.46	13.51	12.94
Median	13.33	13.42	12.58	12.77	13.07	12.46	13.46	13.49	12.81
Percent with low values	2.59	1.41	9.39	3.06	0.96	7.06	2.06	1.55	7.58
Hematocrit (percent)									
Mean	39.05	39.18	38.12	38.17	38.34	37.70	39.32	39.36	38.65
Median	38.70	38.78	38.20	38.30	38.40	38.05	38.85	38.88	38.50
Percent with low values	3.08	2.69	5.40	2.74	2.21	3.81	3.11	2.65	8.08
Serum iron (μg/100 ml)									
Mean	102.55	103.52	97.24	100.95	102.37	98.62	102.75	103.46	95.40
Median	102.64	103.24	97.43	103.58	105.23	100.66	102.80	103.33	94.19
Percent with low values	2.37	2.41	2.15	3.06	3.69	1.95	2.28	2.24	2.73
Transferrin saturation (percent)									
Mean	31.42	31.61	30.26	31.06	31.47	30.11	31.45	31.55	30.51
Median	30.60	30.70	29.59	30.69	31.05	29.63	30.47	30.54	29.30
Percent with low values	11.63	11.97	9.99	14.47	17.66	8.89	10.94	11.06	9.99
Serum protein (gm/100 ml)									
Mean	6.95	6.92	7.10	7.05	6.99	7.17	6.92	6.91	7.07
Median	6.88	6.87	7.11	7.03	6.86	7.16	6.87	6.87	7.06
Percent with low values	8.50	4.01	0.68	0.69	1.08	0.00	4.45	4.73	1.57
Serum albumin (gm/100 ml)									
Mean	4.45	4.46	4.36	4.42	4.45	4.39	4.46	4.47	4.36
Median	4.51	4.54	4.29	4.34	4.37	4.29	4.54	4.55	4.31
Percent with low values	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Serum vitamin A (μg/100 ml)									
Mean	38.25	38.76	35.59	34.51	34.90	34.01	39.38	39.60	37.27
Median	36.14	36.55	34.06	34.02	34.47	33.30	36.80	37.05	34.64
Percent with low values	0.73	0.68	1.04	2.41	2.94	1.49	0.29	0.25	0.69

[1]Total includes all races.
[2]Excludes persons with unknown income.

NOTE: *n* = examined persons, *N* = estimated population in thousands.

Table 36. Biochemical determinations for persons aged 12-17 years by race for income levels: number of persons, mean, median, and percent with low values, United States, 1971-72 (HANES Preliminary)

Biochemical test	Total[1]	White	Negro	Total[1]	White	Negro	Total[1]	White	Negro
	All income			Income below poverty level[2]			Income above poverty level[2]		
n	1,045	708	326	264	93	168	732	582	143
N	24,747	21,051	3,432	3,626	2,023	1,571	19,694	17,820	1,684
Hemoglobin (gm/100 ml)									
Mean	14.29	14.44	13.40	13.70	14.15	13.12	14.39	14.46	13.59
Median	14.26	14.38	13.31	13.63	14.06	12.89	14.34	14.40	13.48
Percent with low values	4.68	2.48	17.78	11.58	3.67	20.40	3.56	2.51	15.02
Hematocrit (percent)									
Mean	41.95	42.24	40.19	40.73	41.64	39.59	42.14	42.29	40.55
Median	41.71	41.92	40.15	40.82	41.47	38.85	41.86	41.98	40.44
Percent with low values	9.01	6.55	22.89	16.54	6.82	27.79	7.86	6.71	18.56
Serum iron (μg/100 ml)									
Mean	108.42	109.40	103.08	103.43	110.33	94.39	109.25	109.28	109.89
Median	105.81	106.62	103.16	101.72	107.83	92.65	106.36	106.13	109.15
Percent with low values	1.97	1.55	4.71	3.70	1.94	6.04	1.75	1.61	3.41
Transferrin saturation (percent)									
Mean	32.07	32.20	31.60	30.46	31.96	28.52	32.31	32.17	34.09
Median	30.76	30.86	30.33	29.80	30.56	28.71	31.00	30.96	34.59
Percent with low values	6.49	6.06	9.64	9.22	6.78	12.54	6.36	6.33	7.39
Serum protein (gm/100 ml)									
Mean	7.10	7.06	7.31	7.21	7.13	7.32	7.07	7.05	7.33
Median	7.13	7.11	7.29	7.21	7.16	7.29	7.11	7.09	7.29
Percent with low values	2.69	2.92	0.77	0.87	1.56	0.00	3.07	3.23	0.19
Serum albumin (gm/100 ml)									
Mean	4.54	4.57	4.42	4.46	4.50	4.39	4.55	4.56	4.46
Median	4.61	4.62	4.40	4.39	4.54	4.32	4.62	4.62	4.55
Percent with low values	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Serum vitamin A (μg/100 ml)									
Mean	45.87	46.44	41.39	41.89	43.32	40.09	46.64	46.92	41.70
Median	44.54	45.13	40.68	38.55	40.97	37.55	45.18	45.51	41.79
Percent with low values	0.17	0.19	0.10	0.00	0.00	0.00	0.22	0.22	0.21

[1] Total includes all races.
[2] Excludes persons with unknown income.

NOTE: *n* = examined persons, *N* = estimated population in thousands.

Table 37. Biochemical determinations for persons aged 18-44 years by race and sex for income levels: number of persons, mean, median, and percent with low values, United States, 1971-72 (HANES Preliminary)

Sex and Biochemical test	Total[1]	White	Negro	Total[1]	White	Negro	Total[1]	White	Negro
MALE	All income			Income below poverty level[2]			Income above poverty level[2]		
n	1,038	808	211	128	62	61	866	714	140
N	34,341	30,458	3,440	2,538	1,504	936	30,482	27,756	2,393
Hemoglobin (gm/100 ml)									
Mean	15.91	15.98	15.32	15.67	15.95	15.23	15.93	15.98	15.39
Median	15.86	16.03	15.30	15.67	16.02	15.28	15.86	16.01	15.33
Percent with low values	4.17	3.15	10.55	6.15	1.00	15.07	3.81	3.43	8.69
Hematocrit (percent)									
Mean	46.07	46.19	45.46	46.22	46.49	45.85	46.06	46.17	45.36
Median	45.94	46.02	45.37	45.80	46.09	45.51	45.96	46.02	45.31
Percent of low values	18.66	17.44	27.27	21.11	19.27	20.18	18.57	17.41	30.47
Serum iron (μg/100 ml)									
Mean	114.67	114.72	112.50	118.47	115.69	120.64	114.81	115.15	109.56
Median	111.45	111.68	106.98	117.31	112.92	122.10	111.02	111.40	107.97
Percent of low values	1.92	2.03	1.23	2.02	2.22	1.91	2.00	2.11	1.02
Transferrin saturation (percent)									
Mean	35.74	35.86	34.30	37.64	37.87	37.20	35.76	35.95	33.15
Median	34.27	34.26	33.32	36.57	36.12	36.88	34.20	34.33	32.19
Percent with low values	4.97	5.10	4.30	3.82	4.37	3.34	4.96	5.00	4.87
Serum protein (gm/100 ml)									
Mean	7.21	7.18	7.44	7.41	7.29	7.56	7.19	7.17	7.39
Median	7.21	7.18	7.54	7.39	7.24	7.64	7.19	7.18	7.35
Percent with low values	6.43	6.76	3.58	4.81	7.60	0.84	6.39	6.50	4.82
Serum albumin (gm/100 ml)									
Mean	4.63	4.64	4.53	4.58	4.60	4.54	4.63	4.64	4.52
Median	4.65	4.65	4.59	4.62	4.59	4.63	4.65	4.65	4.56
Percent with low values	0.44	0.47	0.30	0.37	0.44	0.31	0.47	0.49	0.31
Serum vitamin A (μg/100 ml)									
Mean	60.50	60.93	57.42	55.32	56.83	53.02	60.97	61.21	59.05
Median	58.39	58.70	56.46	54.29	55.47	52.11	58.94	60.15	58.41
Percent with low values	0.04	0.04	0.00	0.00	0.00	0.00	0.04	0.05	0.00

[1]Total includes all races.
[2]Excludes persons with unknown income.

NOTE: *n* = examined person, *N* = estimated population in thousands.

Table 37. Biochemical determinations for persons aged 18-44 years by race and sex for income levels: number of persons, mean, median, and percent with low values, United States, 1971-72 (HANES Preliminary)—Con.

Sex and biochemical test	Total[1]	White	Negro	Total[1]	White	Negro	Total[1]	White	Negro
FEMALE	All income			Income below poverty level[2]			Income above poverty level[2]		
n	2,406	1,758	618	463	205	253	1,834	1,478	333
N	37,134	32,342	4,541	4,252	2,679	1,536	31,365	28,331	2,840
Hemoglobin (gm/100 ml)									
Mean	13.81	13.92	13.02	13.24	13.56	12.68	13.89	13.96	13.22
Median	13.83	14.02	13.09	13.42	13.65	12.81	13.89	14.05	13.22
Percent with low values	6.11	4.71	16.41	12.07	6.84	21.48	5.40	4.56	14.09
Hematocrit (percent)									
Mean	41.06	41.27	39.60	39.82	40.37	38.83	41.24	41.36	40.00
Median	41.24	41.36	40.16	40.46	40.84	38.80	41.35	41.42	40.44
Percent with low values	11.95	10.44	22.30	20.20	16.34	26.66	10.99	10.06	19.72
Serum iron (μg/100 ml)									
Mean	108.57	109.35	102.39	105.75	108.29	101.72	108.81	109.36	102.14
Median	104.17	104.87	98.82	98.48	101.21	96.13	104.94	105.54	100.00
Percent with low values	1.29	1.36	0.90	1.23	1.23	1.25	1.26	1.32	0.75
Transferrin saturation (percent)									
Mean	31.86	32.17	29.57	29.63	30.05	28.93	32.03	32.24	29.72
Median	30.39	30.76	28.69	27.68	27.72	27.43	30.73	30.98	29.10
Percent with low values	5.34	5.34	5.44	6.27	6.02	6.86	5.33	5.38	4.99
Serum protein (gm/100 ml)									
Mean	7.10	7.07	7.33	7.30	7.23	7.40	7.08	7.06	7.31
Median	7.13	7.10	7.30	7.26	7.22	7.36	7.11	7.09	7.27
Percent with low values	12.15	12.89	6.87	6.86	7.31	6.24	13.06	13.67	6.80
Serum albumin (gm/100 ml)									
Mean	4.38	4.40	4.25	4.34	4.39	4.24	4.38	4.40	4.26
Median	4.35	4.37	4.23	4.31	4.37	4.23	4.35	4.37	4.23
Percent with low values	2.49	2.28	3.50	2.77	1.11	5.72	2.40	2.36	1.91
Serum vitamin A (μg/100 ml)									
Mean	52.42	52.70	50.48	48.47	49.18	47.33	52.92	52.96	52.39
Median									
Percent of low values	50.26	50.45	47.95	46.44	47.56	44.88	50.62	50.60	50.81
	0.02	0.00	0.12	0.05	0.00	0.15	0.02	0.01	0.12

[1]Total includes all races.
[2]Excludes persons with unknow income.

NOTE: *n* = examined persons, *N* = estimated population in thousands.

Table 38. Biochemical determinations for persons aged 45-59 years by race for income levels: number of persons, mean, median, and percent with low values, United States, 1971-72 (HANES Preliminary)

Biochemical test	Total[1]	White	Negro	Total[1]	White	Negro	Total[1]	White	Negro
	All income			Income below poverty level[2]			Income above poverty level[2]		
n	1,143	871	263	165	76	88	916	749	159
N	34,232	30,796	3,228	2,743	1,623	1,074	29,452	27,323	1,966
Hemoglobin (gm/100 ml)									
Mean	15.01	15.08	14.37	14.67	14.75	14.63	15.03	15.09	14.19
Median	15.00	15.08	14.31	14.60	14.77	14.39	15.02	15.08	14.19
Percent with low values	4.89	4.65	7.52	9.46	8.18	11.79	4.77	4.73	5.72
Hematocrit (percent)									
Mean	44.25	44.33	43.51	44.05	43.94	44.42	44.23	44.31	42.98
Median	44.56	44.63	42.85	42.97	44.03	44.07	44.61	44.66	42.65
Percent with low values	13.25	12.99	16.52	16.32	10.66	25.56	13.21	13.32	12.68
Serum iron (μg/100 ml)									
Mean	111.00	112.37	97.97	110.22	116.81	101.06	110.11	111.03	97.10
Median	106.53	107.44	93.75	108.04	114.10	96.75	107.80	108.61	92.14
Percent with low values	2.65	2.90	0.42	2.92	4.36	0.89	2.78	2.98	0.20
Transferrin saturation (percent)									
Mean	34.97	35.47	30.24	35.44	39.06	30.20	34.60	34.92	30.17
Median	33.69	34.27	29.10	33.19	38.01	30.33	33.62	34.00	28.85
Percent with low values	5.24	5.16	6.40	5.55	4.85	6.85	5.47	5.41	6.76
Serum protein (gm/100 ml)									
Mean	7.06	7.01	7.50	7.30	7.08	7.61	7.03	7.00	7.44
Median	7.12	7.09	7.37	7.29	7.20	7.50	7.10	7.08	7.34
Percent with low values	14.26	15.35	4.76	11.10	16.65	3.20	14.78	15.50	5.88
Serum albumin (gm/100 ml)									
Mean	4.36	4.37	4.33	4.29	4.29	4.26	4.37	4.37	4.35
Median	4.33	4.33	4.29	4.25	4.25	4.24	4.34	4.34	4.30
Percent with low values	2.13	2.30	0.66	1.90	2.86	0.54	2.15	2.26	0.79
Serum vitamin A (μg/100 ml)									
Mean	64.49	65.03	60.10	58.00	59.59	55.85	64.59	64.81	62.48
Median	62.85	63.70	55.12	55.69	57.94	51.18	63.40	63.91	56.41
Percent with low values	0.10	0.11	0.00	0.00	0.00	0.00	0.11	0.12	0.00

[1]Total includes all races.
[2]Excludes persons with unknown income.

NOTE: *n* = examined persons, *N* = estimated population in thousands.

Table 39. Biochemical determinations for persons aged 60 years and over by race for income levels: number of persons, mean, median, and percent with low values, United States, 1971-72 (HANES Preliminary)

Biochemical test	Total[1]	White	Negro	Total[1]	White	Negro	Total[1]	White	Negro
	All income			Income below poverty level[2]			Income above poverty level[2]		
n	1,938	1,486	435	484	292	191	1,331	1,104	212
N	20,560	18,719	1,791	3,113	2,397	714	15,949	14,996	906
Hemoglobin (gm/100 ml)									
Mean	14.69	14.79	13.68	14.49	14.85	13.32	14.71	14.76	13.95
Median	14.70	14.78	13.61	14.55	14.84	13.41	14.72	14.77	13.80
Percent with low values	8.82	7.04	27.62	10.99	5.46	29.56	8.45	7.60	22.83
Hematocrit (percent)									
Mean	43.46	43.65	41.48	42.89	43.53	40.76	43.56	43.65	42.09
Median	42.87	42.99	41.46	42.26	42.70	40.72	44.01	44.06	42.01
Percent with low values	17.18	15.40	35.22	19.91	13.38	41.71	16.89	16.21	26.97
Serum iron (μg/100 ml)									
Mean	109.47	110.17	102.49	102.52	102.91	101.22	110.95	111.55	101.67
Median	105.89	106.61	96.20	100.03	101.67	93.95	107.62	108.30	96.27
Percent with low values	1.55	1.58	1.26	3.60	4.03	2.16	1.27	1.30	0.79
Transferrin saturation (percent)									
Mean	36.00	36.19	34.08	33.66	33.70	33.52	36.48	36.64	34.10
Median	34.47	34.61	32.75	32.28	32.34	31.84	35.00	35.15	31.80
Percent with low values	2.76	2.96	0.73	4.27	5.30	0.82	2.67	2.79	0.80
Serum protein (gm/100 ml)									
Mean	7.06	7.02	7.42	7.20	7.11	7.53	7.04	7.01	7.40
Median	7.08	7.05	7.35	7.18	7.12	7.40	7.05	7.03	7.35
Percent with low values	11.69	12.17	6.90	4.06	4.99	0.96	12.83	13.17	7.74
Serum albumin (gm/100 ml)									
Mean	4.28	4.29	4.19	4.26	4.28	4.17	4.29	4.29	4.25
Median	4.26	4.26	4.21	4.24	4.25	4.20	4.26	4.26	4.26
Percent with low values	2.65	2.60	3.28	2.82	2.24	4.77	2.43	2.47	1.88
Serum vitamin A (μg/100 ml)									
Mean	65.12	65.57	60.66	62.12	63.59	57.20	65.43	65.57	63.48
Median	62.88	63.18	58.78	57.78	58.97	53.59	63.65	63.60	64.69
Percent with low values	0.14	0.13	0.27	0.06	0.00	0.28	0.09	0.07	0.31

[1]Total includes all races.
[2]Excludes persons with unknown income.

NOTE: *n* = examined persons, *N* = estimated population in thousands.

TABLE 40. CUMULATIVE PERCENTAGE DISTRIBUTION OF HEMATOCRIT VALUES FOR PERSONS AGED 1-5 BY RACE FOR INCOME LEVELS: UNITED STATES, 1971-72 (HANES PRELIMINARY)

HEMATOCRIT (PERCENT)	1/TOTAL			WHITE			NEGRO		
	n	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT
	ALL INCOME								
TOTAL	1,489	16,877	100.00	986	14,193	100.00	489	2,570	100.00
LESS THAN 28	8	53	0.32	3	13	0.09	5	40	1.56
28	2	39	0.55	1	20	0.24	1	19	2.29
29	8	106	1.17	5	79	0.90	3	26	3.30
30	11	60	1.53	7	34	1.03	4	27	4.34
31	14	140	2.36	8	116	1.85	6	24	5.27
32	28	185	3.45	13	128	2.75	15	57	7.48
33	41	398	5.81	19	249	4.51	22	148	13.25
34	90	879	11.01	51	703	9.46	39	175	20.07
35	147	1,740	21.32	93	1,505	20.06	52	216	28.49
36	225	2,533	36.33	140	2,058	34.57	83	453	46.11
37	233	2,619	51.85	152	2,265	50.52	80	350	59.72
38	220	2,802	68.46	160	2,410	67.50	57	378	74.44
39	179	1,799	79.12	130	1,556	78.47	46	205	82.41
40	111	1,412	87.48	78	1,146	86.54	33	266	92.77
41	88	1,136	94.22	68	1,023	93.75	17	97	96.55
42	36	407	96.63	24	381	96.43	12	27	97.59
43	20	223	97.95	12	174	97.66	8	49	99.48
44	11	112	98.61	7	102	98.37	4	10	99.88
45	6	55	98.94	4	51	98.74	2	3	100.00
46	3	40	99.18	3	40	99.02	-	-	100.00
47	-	-	99.18	-	-	99.02	-	-	100.00
GREATER THAN 47	8	139	100.00	8	139	100.00	-	-	100.00

1/TOTAL INCLUDES ALL RACES.
NOTE: *n*=EXAMINED PERSONS, *N*=ESTIMATED POPULATION IN THOUSANDS.

TABLE 40. CUMULATIVE PERCENTAGE DISTRIBUTION OF HEMATOCRIT VALUES FOR PERSONS AGED 1-5 BY RACE FOR INCOME LEVELS: UNITED STATES, 1971-72 (HANES PRELIMINARY)-CON.

HEMATOCRIT (PERCENT)	1/TOTAL			WHITE			NEGRO		
	n	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT
	2/INCOME BELOW POVERTY LEVEL								
TOTAL	448	3,183	100.00	180	1,915	100.00	265	1,252	100.00
LESS THAN 28	0	46	1.46	2	9	0.48	4	37	2.97
28	1	19	2.04	-	-	0.48	1	19	4.46
29	3	9	2.33	2	7	0.86	1	2	4.62
30	5	15	2.79	4	12	1.50	1	2	4.79
31	8	54	4.50	3	43	3.74	5	12	5.72
32	14	66	6.57	5	24	5.00	9	42	9.06
33	17	103	9.81	6	40	7.08	11	63	14.13
34	36	222	16.80	13	100	12.28	23	123	23.93
35	53	379	28.71	22	287	27.25	30	91	31.17
36	66	600	47.58	26	348	45.41	40	253	51.37
37	73	531	64.27	29	378	65.13	43	149	63.27
38	54	457	78.64	25	298	80.67	29	160	76.02
39	44	221	85.57	15	91	85.43	28	120	85.60
40	28	174	91.04	12	91	90.17	16	83	92.24
41	19	150	95.74	10	89	94.84	9	60	97.06
42	8	60	97.63	1	45	97.19	7	15	98.27
43	8	31	98.61	2	13	97.86	6	18	99.74
44	3	23	99.33	1	20	98.88	2	3	100.00
45	-	-	99.33	-	-	98.88	-	-	100.00
46	1	5	99.47	1	5	99.12	-	-	100.00
47	-	-	99.47	-	-	99.12	-	-	100.00
GREATER THAN 47	1	17	100.00	1	17	100.00	-	-	100.00
	2/INCOME ABOVE POVERTY LEVEL								
TOTAL	1,010	13,344	100.00	791	12,019	100.00	208	1,229	100.00
LESS THAN 28	2	7	0.05	1	4	0.03	1	3	0.24
28	1	20	0.21	1	20	0.20	-	-	0.24
29	5	96	0.93	3	72	0.80	2	24	2.21
30	6	46	1.27	3	21	0.98	3	24	4.19
31	6	85	1.91	5	73	1.59	1	12	5.20
32	13	117	2.78	8	104	2.45	5	13	6.26
33	24	294	4.99	13	209	4.19	11	85	13.17
34	53	633	9.74	37	581	9.03	16	53	17.45
35	92	1,308	19.53	69	1,165	18.72	22	126	27.69
36	157	1,916	33.90	113	1,696	32.83	42	199	43.88
37	155	2,065	49.37	123	1,887	48.53	32	178	58.35
38	162	2,280	66.46	133	2,063	65.70	26	203	74.87
39	129	1,490	77.62	111	1,393	77.29	16	69	80.45
40	77	1,180	86.46	63	1,026	85.82	14	154	92.99
41	67	968	93.72	56	915	93.44	8	37	95.99
42	27	345	96.31	23	336	96.23	4	10	96.80
43	12	192	97.75	10	162	97.57	2	30	99.26
44	8	89	98.41	6	82	98.26	2	7	99.83
45	5	54	98.82	4	51	98.69	1	2	100.00
46	2	36	99.08	2	36	98.98	-	-	100.00
47	-	-	99.08	-	-	98.98	-	-	100.00
GREATER THAN 47	7	122	100.00	7	122	100.00	-	-	100.00

1/TOTAL INCLUDES ALL RACES.
2/EXCLUDES PERSONS WITH UNKNOWN INCOME.
NOTE: *n*=EXAMINED PERSONS, *N*=ESTIMATED POPULATION IN THOUSANDS.

TABLE 41. CUMULATIVE PERCENTAGE DISTRIBTUION OF HEMATOCRIT VALUES FOR PERSONS AGED 12-17 BY SEX, RACE, AND INCOME LEVEL: UNITED STATES, 1971-72 (HANES PRELIMINARY)

	HEMATOCRIT (PERCENT)	MALE			FEMALE		
		n	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT
1	TOTAL	517	12,508	100.00	528	12,239	100.00
2	LESS THAN 28	-	-	0.00	-	-	0.00
3	28	-	-	0.00	-	-	0.00
4	29	-	-	0.00	-	-	0.00
5	30	-	-	0.00	-	-	0.00
6	31	-	-	0.00	1	4	0.03
7	32	-	-	0.00	8	65	0.56
8	33	2	52	0.42	1	8	0.62
9	34	2	16	0.55	4	71	1.20
10	35	7	134	1.62	10	150	2.42
11	36	8	119	2.58	18	336	5.17
12	37	22	242	4.51	31	637	10.37
13	38	22	493	8.46	55	1,112	19.45
14	39	40	875	15.46	78	1,875	34.77
15	40	36	745	21.41	77	1,613	47.95
16	41	70	1,518	33.55	74	1,834	62.93
17	42	50	1,371	44.51	54	1,268	73.29
18	43	56	1,254	54.53	43	1,238	83.41
19	44	37	1,026	62.73	37	959	91.25
20	45	49	1,452	74.34	20	583	96.01
21	46	43	1,165	83.66	6	179	97.48
22	47	22	593	88.40	9	254	99.56
23	GREATER THAN 47	51	1,451	100.00	2	54	100.00

NOTE: *n*=EXAMINED PERSONS, *N*=ESTIMATED POPULATION IN THOUSANDS.

TABLE 41. CUMULATIVE PERCENTAGE DISTRIBUTION OF HEMATOCRIT VALUES FOR PERSONS AGED 12-17 BY SEX, RACE, AND INCOME LEVEL: UNITED STATES, 1971-72 (HANES PRELIMINARY)-CON.

WHITE			NEGRO			INCOME BELOW POVERTY LEVEL			INCOME ABOVE POVERTY LEVEL			
n	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT	
708	21,051	100.00	326	3,432	100.00	264	3,626	100.00	732	19,694	100.00	1
-	-	0.00	-	-	0.00	-	-	0.00	-	-	0.00	2
-	-	0.00	-	-	0.00	-	-	0.00	-	-	0.00	3
-	-	0.00	-	-	0.00	-	-	0.00	-	-	0.00	4
-	-	0.00	-	-	0.00	-	-	0.00	-	-	0.00	5
-	-	0.00	1	4	0.10	-	-	0.00	1	4	0.02	6
1	28	0.13	7	37	1.19	4	27	0.75	4	38	0.21	7
2	20	0.23	1	40	2.35	1	12	1.09	2	48	0.45	8
2	52	0.47	4	35	3.38	4	33	2.01	1	44	0.68	9
6	158	1.22	11	126	7.06	8	117	5.23	8	164	1.51	10
13	334	2.81	13	122	10.60	12	156	9.53	12	257	2.81	11
20	542	5.38	33	337	20.41	18	186	14.65	31	620	5.96	12
47	1,291	11.51	28	250	27.69	25	342	24.07	50	1,209	12.10	13
69	1,965	20.85	47	702	48.15	36	520	38.41	79	2,138	22.95	14
72	2,008	30.39	41	350	58.35	28	294	46.52	82	1,972	32.97	15
97	2,933	44.32	47	419	70.56	37	603	63.14	99	2,552	45.92	16
76	2,353	55.50	25	246	77.72	25	310	71.68	73	2,059	56.38	17
77	2,272	66.29	21	214	83.97	18	341	81.07	77	2,029	66.68	18
62	1,832	74.99	11	151	88.36	11	156	85.36	59	1,697	75.29	19
55	1,922	84.12	14	114	91.69	16	209	91.12	51	1,785	84.36	20
41	1,201	89.82	7	100	94.61	10	206	96.79	35	1,022	89.55	21
24	766	93.46	7	82	97.00	4	74	98.84	26	766	93.43	22
44	1,377	100.00	8	103	100.00	7	42	100.00	42	1,293	100.00	23

TABLE 42. CUMULATIVE PERCENTAGE DISTRIBUTION OF HEMATOCRIT VALUES FOR PERSONS AGED 18-44 BY SEX AND RACE FOR INCOME LEVELS: UNITED STATES, 1971-72 (HANES PRELIMINARY)

	HEMATOCRIT (PERCENT)	TOTAL			MALE			FEMALE		
		n	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT
		ALL INCOME								
1	TOTAL.....	3,444	71,474	100.00	1,038	34,341	100.00	2,406	37,134	100.00
2	LESS THAN 28.....	4	59	0.08	1	44	0.13	3	15	0.04
3	28.....	3	11	0.10	-	-	0.13	3	11	0.07
4	29.....	6	138	0.29	-	-	0.13	6	138	0.44
5	30.....	7	55	0.37	-	-	0.13	7	55	0.59
6	31.....	7	60	0.45	-	-	0.13	7	60	0.75
7	32.....	13	140	0.65	-	-	0.13	13	140	1.13
8	33.....	28	389	1.19	1	34	0.23	27	354	2.08
9	34.....	28	336	1.66	-	-	0.23	28	336	2.99
10	35.....	56	485	2.34	-	-	0.23	56	485	4.29
11	36.....	71	875	3.56	2	64	0.41	69	811	6.48
12	37.....	150	2,153	6.58	2	120	0.76	148	2,034	11.95
13	38.....	201	3,244	11.11	3	123	1.12	198	3,121	20.36
14	39.....	253	3,858	16.51	7	198	1.70	246	3,660	30.21
15	40.....	303	4,632	22.99	10	266	2.47	293	4,367	41.97
16	41.....	332	6,099	31.53	44	1,551	6.99	288	4,547	54.22
17	42.....	331	6,422	40.51	52	1,592	11.62	279	4,830	67.22
18	43.....	307	6,404	49.47	75	2,416	18.66	232	3,988	77.96
19	44.....	272	6,474	58.53	99	3,440	28.68	173	3,034	86.13
20	45.....	299	7,068	68.42	147	4,686	42.32	152	2,383	92.55
21	46.....	204	5,391	75.96	122	4,114	54.30	82	1,277	95.99
22	47.....	187	5,198	83.23	135	4,392	67.09	52	805	98.16
23	GREATER THAN 47.....	382	11,985	100.00	338	11,301	100.00	44	684	100.00

NOTE: *n*=EXAMINED PERSONS, *N*=ESTIMATED POPULATION IN THOUSANDS.

TABLE 42. CUMULATIVE PERCENTAGE DISTRIBUTION OF HEMATOCRIT VALUES FOR PERSONS AGED 18-44 BY SEX AND RACE FOR INCOME LEVELS: UNITED STATES, 1971-72 (HANES PRELIMINARY)-CON.

WHITE MALE			WHITE FEMALE			NEGRO MALE			NEGRO FEMALE			
n	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT	
ALL INCOME												
808	30,458	100.00	1,758	32,342	100.00	211	3,440	100.00	618	4,541	100.00	1
-	-	0.00	2	14	0.04	-	-	0.00	1	2	0.04	2
-	-	0.00	2	9	0.07	-	-	0.00	1	2	0.08	3
-	-	0.00	3	97	0.37	-	-	0.00	3	41	0.99	4
-	-	0.00	3	16	0.42	-	-	0.00	4	39	1.85	5
-	-	0.00	3	24	0.49	-	-	0.00	4	36	2.64	6
-	-	0.00	4	85	0.76	-	-	0.00	9	55	3.85	7
1	34	0.11	9	142	1.20	-	-	0.00	18	212	8.53	8
-	-	0.11	21	291	2.10	-	-	0.00	7	45	9.51	9
-	-	0.11	21	354	3.19	-	-	0.00	34	124	12.25	10
2	64	0.32	36	585	5.00	-	-	0.00	31	207	16.82	11
2	120	0.72	96	1,760	10.44	-	-	0.00	49	249	22.30	12
1	52	0.89	132	2,546	18.31	2	71	2.05	65	563	34.69	13
3	147	1.37	178	3,048	27.74	4	51	3.54	65	603	47.98	14
8	230	2.13	211	3,723	39.25	2	35	4.56	75	591	60.99	15
33	1,355	6.58	218	4,123	52.00	11	196	10.26	66	391	69.61	16
36	1,335	10.96	219	4,414	65.65	16	257	17.74	59	415	78.75	17
53	1,974	17.44	190	3,597	76.77	20	328	27.27	38	334	86.12	18
80	3,215	27.99	146	2,865	85.62	19	226	33.83	27	169	89.84	19
105	3,930	40.90	113	2,080	92.06	40	707	54.37	37	287	96.17	20
97	3,661	52.92	70	1,170	95.67	23	335	64.09	11	101	98.38	21
112	3,924	65.80	45	760	98.02	20	451	77.21	6	29	99.01	22
275	10,416	100.00	36	639	100.00	54	784	100.00	8	45	100.00	23

TABLE 42. CUMULATIVE PERCENTAGE DISTRIBUTION OF HEMATOCRIT VALUES FOR PERSONS AGED 18-44 BY SEX AND RACE FOR INCOME LEVELS: UNITED STATES, 1971-72 (HANES PRELIMINARY)-CON.

	HEMATOCRIT (PERCENT)	TOTAL			MALE			FEMALE		
		n	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT
		2/INCOME BELOW POVERTY LEVEL								
1	TOTAL.....	591	6,790	100.00	128	2,538	100.00	463	4,252	100.00
2	LESS THAN 28.....	2	14	0.20	-	-	0.00	2	14	0.32
3	28.....	-	-	0.20	-	-	0.00	-	-	0.32
4	29.....	3	43	0.83	-	-	0.00	3	43	1.33
5	30.....	4	21	1.14	-	-	0.00	4	21	1.83
6	31.....	5	45	1.80	-	-	0.00	5	45	2.88
7	32.....	5	46	2.49	-	-	0.00	5	46	3.97
8	33.....	13	148	4.67	-	-	0.00	13	148	7.45
9	34.....	8	57	5.50	-	-	0.00	8	57	8.79
10	35.....	22	125	7.35	-	-	0.00	22	125	11.73
11	36.....	17	120	9.12	-	-	0.00	17	120	14.56
12	37.....	29	240	12.65	-	-	0.00	29	240	20.20
13	38.....	47	584	21.25	-	-	0.00	47	584	33.93
14	39.....	48	407	27.24	1	3	0.12	47	404	43.44
15	40.....	60	560	35.50	2	74	3.04	58	486	54.87
16	41.....	59	537	43.40	6	55	5.21	53	482	66.20
17	42.....	52	547	51.45	6	47	7.07	46	500	77.95
18	43.....	54	711	61.93	14	356	21.11	40	355	86.29
19	44.....	27	412	68.00	11	209	29.33	16	204	91.08
20	45.....	40	472	74.96	17	318	41.85	23	155	94.72
21	46.....	27	344	80.02	13	209	50.09	14	135	97.88
22	47.....	20	531	87.84	16	489	69.38	4	41	98.86
23	GREATER THAN 47.....	49	826	100.00	42	777	100.00	7	49	100.00
		2/INCOME ABOVE POVERTY LEVEL								
1	TOTAL.....	2,700	61,847	100.00	866	30,482	100.00	1,834	31,365	100.00
2	LESS THAN 28.....	2	45	0.07	1	44	0.14	1	2	0.01
3	28.....	1	5	0.08	-	-	0.14	1	5	0.02
4	29.....	3	95	0.24	-	-	0.14	3	95	0.32
5	30.....	3	34	0.29	-	-	0.14	3	34	0.43
6	31.....	2	15	0.31	-	-	0.14	2	15	0.48
7	32.....	7	92	0.46	-	-	0.14	7	92	0.77
8	33.....	15	241	0.85	1	34	0.26	14	206	1.43
9	34.....	17	254	1.26	-	-	0.26	17	254	2.24
10	35.....	34	359	1.84	-	-	0.26	34	359	3.39
11	36.....	52	726	3.02	1	37	0.38	51	688	5.58
12	37.....	114	1,767	5.87	1	69	0.60	113	1,697	10.99
13	38.....	144	2,517	9.94	3	123	1.01	141	2,395	18.63
14	39.....	193	3,205	15.12	6	195	1.65	187	3,009	28.22
15	40.....	225	3,833	21.32	8	191	2.28	217	3,641	39.83
16	41.....	266	5,448	30.13	38	1,497	7.19	228	3,951	52.43
17	42.....	261	5,538	39.08	43	1,426	11.86	218	4,112	65.54
18	43.....	242	5,567	48.08	59	2,045	18.57	183	3,522	76.76
19	44.....	228	5,854	57.55	85	3,195	29.05	143	2,660	85.24
20	45.....	245	6,327	67.78	121	4,177	42.76	124	2,150	92.10
21	46.....	166	4,749	75.46	101	3,617	54.62	65	1,132	95.71
22	47.....	156	4,403	82.58	111	3,692	66.73	45	711	97.97
23	GREATER THAN 47.....	324	10,776	100.00	287	10,140	100.00	37	635	100.00

2/EXCLUDES PERSONS WITH UNKNOWN INCOME
NOTE: *n*=EXAMINED PERSONS, *N*=ESTIMATED POPULATION IN THOUSANDS.

TABLE 42. CUMULATIVE PERCENTAGE DISTRIBUTION OF HEMATOCRIT VALUES FOR PERSONS AGED 18-44 BY SEX AND RACE FOR INCOME LEVELS: UNITED STATES, 1971-72 (HANES PRELIMINARY)-CON.

WHITE MALE			WHITE FEMALE			NEGRO MALE			NEGRO FEMALE			
n	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT	
2/INCOME BELOW POVERTY LEVEL												
62	1,504	100.00	205	2,679	100.00	61	936	100.00	253	1,536	100.00	1
-	-	0.00	2	14	0.51	-	-	0.00	-	-	0.00	2
-	-	0.00	-	-	0.51	-	-	0.00	-	-	0.00	3
-	-	0.00	1	4	0.66	-	-	0.00	2	39	2.54	4
-	-	0.00	1	4	0.81	-	-	0.00	3	17	3.64	5
-	-	0.00	2	12	1.24	-	-	0.00	3	33	5.80	6
-	-	0.00	1	23	2.11	-	-	0.00	4	23	7.31	7
-	-	0.00	3	42	3.67	-	-	0.00	10	106	14.22	8
-	-	0.00	5	33	4.91	-	-	0.00	3	24	15.77	9
-	-	0.00	5	67	7.43	-	-	0.00	17	58	19.53	10
-	-	0.00	6	66	9.89	-	-	0.00	11	54	23.05	11
-	-	0.00	13	173	16.34	-	-	0.00	14	56	26.66	12
-	-	0.00	20	329	28.63	-	-	0.00	27	254	43.23	13
-	-	0.00	19	208	36.40	1	3	0.32	28	196	55.99	14
1	47	3.09	30	315	48.14	1	28	3.27	28	171	67.15	15
2	31	5.14	25	359	61.56	4	24	5.85	27	112	74.45	16
1	7	5.58	20	372	75.45	5	41	10.20	26	127	82.75	17
5	206	19.27	22	250	84.78	8	93	20.18	18	105	89.58	18
7	153	29.46	8	176	91.36	4	55	26.10	8	27	91.36	19
7	133	38.30	7	66	93.80	10	185	45.86	14	74	96.19	20
6	116	45.98	9	103	97.65	7	94	55.86	5	32	98.24	21
8	262	63.40	2	20	98.40	7	222	79.61	2	21	99.63	22
25	550	100.00	4	43	100.00	14	191	100.00	3	6	100.00	23
2/INCOME ABOVE POVERTY LEVEL												
714	27,756	100.00	1,478	28,331	100.00	140	2,393	100.00	333	2,840	100.00	1
-	-	0.00	-	-	0.00	-	-	0.00	1	2	0.06	2
-	-	0.00	1	5	0.02	-	-	0.00	-	-	0.06	3
-	-	0.00	2	93	0.35	-	-	0.00	1	2	0.14	4
-	-	0.00	2	12	0.39	-	-	0.00	1	22	0.92	5
-	-	0.00	1	12	0.43	-	-	0.00	1	3	1.02	6
-	-	0.00	3	62	0.65	-	-	0.00	4	30	2.06	7
1	34	0.12	6	100	1.00	-	-	0.00	8	106	5.79	8
-	-	0.12	15	241	1.86	-	-	0.00	2	13	6.25	9
-	-	0.12	16	286	2.87	-	-	0.00	17	67	8.59	10
1	37	0.26	30	519	4.70	-	-	0.00	19	151	13.91	11
1	69	0.51	78	1,519	10.06	-	-	0.00	34	165	19.72	12
1	52	0.69	104	2,081	17.41	2	71	2.95	36	301	30.33	13
3	147	1.22	150	2,614	26.63	3	48	4.96	35	391	44.09	14
7	184	1.89	171	3,229	38.03	1	8	5.28	40	376	57.33	15
31	1,325	6.66	187	3,653	50.93	7	172	12.47	38	275	67.01	16
33	1,224	11.07	188	3,837	64.47	10	202	20.90	29	274	76.64	17
47	1,759	17.41	162	3,244	75.92	11	229	30.47	17	221	84.43	18
73	3,061	28.44	129	2,539	84.88	12	133	36.05	14	120	88.67	19
93	3,649	41.58	102	1,941	91.73	26	479	56.07	22	209	96.02	20
83	3,258	53.32	59	1,059	95.47	16	241	66.14	5	66	98.36	21
99	3,474	65.84	40	687	97.89	12	217	75.22	4	7	98.62	22
241	9,482	100.00	32	596	100.00	40	593	100.00	5	39	100.00	23

TABLE 43. CUMULATIVE PERCENTAGE DISTRIBUTION OF HEMATOCRIT VALUES FOR PERSONS AGED 60 AND OVER BY RACE FOR INCOME LEVELS: UNITED STATES, 1971-72 (HANES PRELIMINARY)

HEMATOCRIT (PERCENT)	1/TOTAL			WHITE			NEGRO		
	n	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT
	ALL INCOME								
TOTAL	1,938	20,560	100.00	1,486	18,719	100.00	435	1,791	100.00
LESS THAN 28	6	42	0.20	4	39	0.21	2	3	0.16
28	-	-	0.20	-	-	0.21	-	-	0.16
29	1	13	0.27	-	-	0.21	1	13	0.89
30	2	5	0.29	1	2	0.22	1	2	1.03
31	2	27	0.42	1	17	0.31	1	10	1.58
32	2	6	0.45	1	2	0.32	1	3	1.77
33	9	51	0.69	8	38	0.52	1	13	2.49
34	9	35	0.87	4	15	0.60	5	21	3.64
35	19	75	1.23	9	36	0.79	10	40	5.86
36	20	235	2.38	15	193	1.83	11	42	8.23
37	60	593	5.26	32	413	4.03	27	170	17.72
38	82	705	8.69	52	578	7.12	30	127	24.78
39	120	1,206	14.56	80	1,048	12.72	44	152	33.28
40	104	1,236	20.57	80	1,119	18.70	23	116	39.74
41	174	1,959	30.10	131	1,806	28.35	42	152	48.23
42	192	2,308	41.32	143	2,093	39.53	45	208	59.85
43	207	2,127	51.66	158	1,984	50.13	47	141	67.73
44	187	2,099	61.87	154	1,917	60.36	33	182	77.91
45	186	2,328	73.19	157	2,206	72.15	28	120	84.62
46	150	1,553	80.75	125	1,449	79.89	24	94	89.85
47	113	1,142	86.30	95	1,083	85.68	17	50	92.66
GREATER THAN 47	281	2,817	100.00	236	2,681	100.00	42	132	100.00

1/TOTAL INCLUDES ALL RACES.
NOTE: *n*=EXAMINED PERSONS, *N*=ESTIMATED POPULATION IN THOUSANDS.

TABLE 43. CUMULATIVE PERCENTAGE DISTRIBUTION OF HEMATOCRIT VALUES FOR PERSONS, AGED 60 AND OVER BY RACE FOR INCOME LEVELS: UNITED STATES, 1971-72 (HANES PRELIMINARY)-CON.

HEMATOCRIT (PERCENT)	1/TOTAL			WHITE			NEGRO		
	n	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT
	2/INCOME BELOW POVERTY LEVEL								
TOTAL	484	3,113	100.00	292	2,397	100.00	191	714	100.00
LESS THAN 28	1	10	0.33	1	10	0.43	-	-	0.00
28	-	-	0.33	-	-	0.43	-	-	0.00
29	1	13	0.75	-	-	0.43	1	13	1.83
30	-	-	0.75	-	-	0.43	-	-	1.83
31	-	-	0.75	-	-	0.43	-	-	1.83
32	-	-	0.75	-	-	0.43	-	-	1.83
33	1	13	1.17	-	-	0.43	1	13	3.64
34	3	19	1.76	-	-	0.43	3	19	6.23
35	6	14	2.21	2	5	0.63	4	9	7.52
36	10	41	3.54	3	8	0.95	7	33	12.21
37	18	116	7.28	10	44	2.80	8	72	22.29
38	27	110	10.80	11	72	5.79	16	38	27.61
39	38	344	21.83	15	245	16.02	23	98	41.38
40	29	204	28.37	18	164	22.84	11	40	46.98
41	50	322	38.72	29	233	32.56	21	89	59.44
42	40	173	44.29	22	123	37.69	17	49	66.35
43	57	464	59.19	34	387	53.83	23	77	77.11
44	36	145	63.83	23	120	58.82	13	25	80.62
45	39	351	75.10	31	325	72.38	8	25	84.16
46	34	202	81.59	23	150	78.66	11	52	91.42
47	26	128	85.70	19	102	82.90	7	26	95.09
GREATER THAN 47	68	445	100.00	51	410	100.00	17	35	100.00
	2/INCOME ABOVE POVERTY LEVEL								
TOTAL	1,331	15,949	100.00	1,104	14,996	100.00	212	906	100.00
LESS THAN 28	5	31	0.20	3	29	0.19	2	3	0.32
28	-	-	0.20	-	-	0.19	-	-	0.32
29	-	-	0.20	-	-	0.19	-	-	0.32
30	2	5	0.23	1	2	0.21	1	2	0.59
31	2	27	0.40	1	17	0.32	1	10	1.68
32	2	6	0.43	1	2	0.33	1	3	2.06
33	7	35	0.65	7	35	0.57	-	-	2.06
34	6	17	0.76	4	15	0.67	2	2	2.28
35	13	62	1.14	7	31	0.88	6	31	5.65
36	14	188	2.32	12	185	2.11	2	3	5.96
37	36	420	4.95	20	359	4.50	15	50	11.51
38	51	537	8.32	37	448	7.49	14	88	21.27
39	82	795	13.31	61	740	12.43	19	50	26.77
40	71	936	19.18	58	859	18.16	12	76	35.12
41	108	1,411	28.02	92	1,373	27.32	15	37	39.20
42	133	1,934	40.15	105	1,780	39.18	25	149	55.66
43	141	1,556	49.91	118	1,502	49.20	21	52	61.42
44	138	1,753	60.90	122	1,645	60.18	16	108	73.29
45	136	1,887	72.73	117	1,793	72.13	18	92	83.46
46	110	1,312	80.95	97	1,261	80.54	12	40	87.85
47	82	915	86.69	72	883	86.44	9	24	90.46
GREATER THAN 47	192	2,123	100.00	169	2,034	100.00	21	86	100.00

1/TOTAL INCLUDES ALL RACES.
2/EXCLUDES PERSONS WITH UNKNOWN INCOME.
NOTE: *n*=EXAMINED PERSONS, *N*=ESTIMATED POPULATION IN THOUSANDS.

TABLE 44. CUMULATIVE PERCENTAGE DISTRIBUTION OF HEMOGLOBIN VALUES FOR PERSONS AGED 1-5 BY RACE FOR INCOME LEVELS: UNITED STATES, 1971-72 (HANES PRELIMINARY)

HEMOGLOBIN (GMS/100 ML)	1/TOTAL			WHITE			NEGRO		
	n	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT
	ALL INCOME								
TOTAL.....	1,489	16,877	100.00	986	14,193	100.00	489	2,570	100.00
LESS THAN 9.0.....	15	159	0.94	8	120	0.85	7	39	1.50
9.0-9.9.....	40	289	2.65	15	116	1.66	25	173	8.23
10.0-10.9.....	74	633	6.40	31	431	4.70	42	197	15.87
11.0-11.4.....	118	1,077	12.78	50	749	9.98	67	308	27.86
11.5-11.9.....	164	1,639	22.49	91	1,362	19.58	71	258	37.91
12.0-12.4.....	266	3,171	41.28	168	2,539	37.46	97	631	62.45
12.5-12.9.....	305	3,362	61.21	217	2,867	57.66	84	455	80.15
13.0-13.4.....	199	2,520	76.14	147	2,232	73.39	50	286	91.30
13.5-13.9.....	167	2,101	88.59	143	1,945	87.09	21	130	96.34
14.0-14.4.....	72	989	94.45	58	941	93.72	14	49	98.24
14.5-14.9.....	43	509	97.47	35	480	97.11	8	29	99.36
15.0-15.4.....	13	149	98.35	11	134	98.05	2	15	99.96
15.5-15.9.....	2	21	98.47	1	20	98.18	1	1	100.00
16.0-16.4.....	4	120	99.18	4	120	99.03	-	-	100.00
16.5-16.9.....	1	28	99.35	1	28	99.23	-	-	100.00
17.0-17.9.....	6	109	100.00	6	109	100.00	-	-	100.00
18.0-18.9.....	-	-	100.00	-	-	100.00	-	-	100.00
GREATER THAN 18.9.....	-	-	100.00	-	-	100.00	-	-	100.00

1/TOTAL INCLUDES ALL RACES.
NOTE: *n*=EXAMINED PERSONS, *N*=ESTIMATED POPULATION IN THOUSANDS.

TABLE 44. CUMULATIVE PERCENTAGE DISTRIBUTION OF HEMOGLOBIN VALUES FOR PERSONS AGED 1-5 BY RACE FOR INCOME LEVELS: UNITED STATES, 1971-72 (HANES PRELIMINARY)-CON.

HEMOGLOBIN (GMS/100 ML)	1/TOTAL			WHITE			NEGRO		
	n	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT
	2/INCOME BELOW POVERTY LEVEL								
TOTAL.....	448	3,183	100.00	180	1,915	100.00	265	1,252	100.00
LESS THAN 9.0.....	7	58	1.81	3	33	1.73	4	24	1.96
9.0-9.9.....	22	154	6.63	8	61	4.94	14	92	9.31
10.0-10.9.....	33	191	12.62	11	113	10.82	21	73	15.15
11.0-11.4.....	53	298	21.97	12	130	17.59	41	168	28.58
11.5-11.9.....	62	370	33.60	22	205	28.32	39	163	41.58
12.0-12.4.....	91	762	57.54	37	440	51.29	54	322	67.33
12.5-12.9.....	84	671	78.62	43	494	77.10	40	167	80.67
13.0-13.4.....	45	312	88.43	15	166	85.76	30	146	92.35
13.5-13.9.....	24	182	94.15	15	118	91.90	9	65	97.51
14.0-14.4.....	13	68	96.28	5	48	94.43	8	19	99.06
14.5-14.9.....	10	63	98.26	5	51	97.10	5	12	100.00
15.0-15.4.....	2	7	98.48	2	7	97.47	-	-	100.00
15.5-15.9.....	-	-	98.48	-	-	97.47	-	-	100.00
16.0-16.4.....	1	32	99.47	1	32	99.12	-	-	100.00
16.5-16.9.....	-	-	99.47	-	-	99.12	-	-	100.00
17.0-17.9.....	1	17	100.00	1	17	100.00	-	-	100.00
18.0-18.9.....	-	-	100.00	-	-	100.00	-	-	100.00
GREATER THAN 18.9.....	-	-	100.00	-	-	100.00	-	-	100.00
	2/INCOME ABOVE POVERTY LEVEL								
TOTAL.....	1,010	13,344	100.00	791	12,019	100.00	208	1,229	100.00
LESS THAN 9.0.....	8	101	0.76	5	87	0.72	3	14	1.14
9.0-9.9.....	18	135	1.77	7	54	1.18	11	81	7.72
10.0-10.9.....	40	440	5.07	20	318	3.83	20	122	17.62
11.0-11.4.....	64	778	10.90	38	620	8.98	25	138	28.67
11.5-11.9.....	99	1,236	20.16	68	1,134	18.41	30	85	35.83
12.0-12.4.....	171	2,355	37.80	129	2,046	35.44	41	307	60.78
12.5-12.9.....	214	2,603	57.31	172	2,326	54.79	39	247	80.85
13.0-13.4.....	152	2,201	73.81	131	2,062	71.95	19	138	92.05
13.5-13.9.....	139	1,878	87.88	125	1,789	86.83	11	63	97.15
14.0-14.4.....	55	843	94.20	49	814	93.61	6	30	99.56
14.5-14.9.....	31	431	97.43	29	428	97.16	2	3	99.81
15.0-15.4.....	9	115	98.29	8	112	98.10	1	2	100.00
15.5-15.9.....	1	20	98.43	1	20	98.26	-	-	100.00
16.0-16.4.....	3	88	99.09	3	88	98.99	-	-	100.00
16.5-16.9.....	1	28	99.31	1	28	99.23	-	-	100.00
17.0-17.9.....	5	93	100.00	5	93	100.00	-	-	100.00
18.0-18.9.....	-	-	100.00	-	-	100.00	-	-	100.00
GREATER THAN 18.9.....	-	-	100.00	-	-	100.00	-	-	100.00

1/TOTAL INCLUDES ALL RACES.
2/EXCLUDES PERSONS WITH UNKNOWN INCOME.
NOTE: *n*=EXAMINED PERSONS, *N*=ESTIMATED POPULATION IN THOUSANDS.

TABLE 45. CUMULATIVE PERCENTAGE DISTRIBUTION OF HEMOGLOBIN VALUES FOR PERSONS AGED 12-17 BY SEX, RACE, AND INCOME LEVEL: UNITED STATES, 1971-72 (HANES PRELIMINARY)

	HEMOGLOBIN (GMS/100 ML)	MALE			FEMALE		
		n	*N*	CUMULATIVE PER CENT	*n*	*N*	CUMULATIVE PER-CENT
1	TOTAL.....	517	12,508	100.00	528	12,239	100.00
2	LESS THAN 9.0.....	-	-	0.00	-	-	0.00
3	9.0-9.9.....	-	-	0.00	2	18	0.14
4	10.0-10.9.....	2	13	0.10	6	26	0.36
5	11.0-11.4.....	2	47	0.48	11	190	1.91
6	11.5-11.9.....	10	172	1.85	17	215	3.66
7	12.0-12.4.....	25	298	4.23	31	565	8.28
8	12.5-12.9.....	25	395	7.39	70	1,263	18.60
9	13.0-13.4.....	50	1,014	15.49	89	1,864	33.83
10	13.5-13.9.....	62	1,248	25.47	102	2,879	57.36
11	14.0-14.4.....	77	2,085	42.14	97	2,360	76.63
12	14.5-14.9.....	68	1,663	55.44	54	1,345	87.62
13	15.0-15.4.....	60	1,592	68.16	25	810	94.24
14	15.5-15.9.....	56	1,582	80.81	13	374	97.30
15	16.0-16.4.....	33	1,073	89.39	5	187	98.83
16	16.5-16.9.....	29	933	96.85	5	142	99.98
17	17.0-17.9.....	15	367	99.78	1	2	100.00
18	18.0-18.9.....	3	27	100.00	-	-	100.00
19	GREATER THAN 18.9.....	-	-	100.00	-	-	100.00

NOTE: *n*=EXAMINED PERSONS, *N*=ESTIMATED POPULATION IN THOUSANDS.

TABLE 45. CUMULATIVE PERCENTAGE DISTRIBUTION OF HEMOGLOBIN VALUES FOR PERSONS AGED 12-17 BY SEX, RACE, AND INCOME LEVEL: UNITED STATES, 1971-72 (HANES PRELIMINARY)-CON.

WHITE			NEGRO			INCOME BELOW POVERTY LEVEL			INCOME ABOVE POVERTY LEVEL			
n	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT	
708	21,051	100.00	326	3,432	100.00	264	3,626	100.00	732	19,694	100.00	1
-	-	0.00	-	-	0.00	-	-	0.00	-	-	0.00	2
-	-	0.00	2	18	0.52	2	18	0.49	-	-	0.00	3
1	8	0.04	7	31	1.43	2	11	0.78	6	28	0.14	4
6	186	0.92	7	51	2.91	5	31	1.62	7	202	1.17	5
5	109	1.43	22	278	11.00	15	233	8.04	12	154	1.95	6
17	436	3.50	37	360	21.49	18	142	11.94	33	632	5.16	7
36	1,024	8.37	59	635	39.98	46	565	27.52	46	1,011	10.29	8
88	2,350	19.53	49	464	53.48	43	537	42.31	90	2,188	21.40	9
117	3,553	36.41	45	532	68.97	31	633	59.77	124	3,293	38.12	10
131	4,060	55.70	43	384	80.17	40	602	76.37	131	3,758	57.21	11
93	2,638	68.23	26	348	90.32	25	339	85.71	91	2,458	69.69	12
73	2,307	79.19	11	70	92.34	14	260	92.88	63	1,828	78.97	13
59	1,756	87.53	9	156	96.89	12	196	98.27	55	1,673	87.47	14
33	1,173	93.11	5	86	99.40	3	12	98.60	32	1,171	93.42	15
33	1,072	98.20	1	3	99.49	3	22	99.21	29	958	98.28	16
14	356	99.89	2	14	99.88	4	25	99.89	11	316	99.88	17
2	23	100.00	1	4	100.00	1	4	100.00	2	23	100.00	18
-	-	100.00	-	-	100.00	-	-	100.00	-	-	100.00	19

TABLE 46. CUMULATIVE PERCENTAGE DISTRIBUTION OF HEMOGLOBIN VALUES FOR PERSONS AGED 18-44 BY SEX AND RACE FOR INCOME LEVELS: UNITED STATES, 1971-72 (HANES PRELIMINARY)

	HEMOGLOBIN (GMS/100 ML)	TOTAL			MALE			FEMALE		
		n	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT
		ALL INCOME								
1	TOTAL.....	3,444	71,474	100.00	1,038	34,341	100.00	2,406	37,134	100.00
2	LESS THAN 9.0.....	16	169	0.24	-	-	0.00	16	169	0.46
3	9.0-9.9.....	13	150	0.45	-	-	0.00	13	150	0.86
4	10.0-10.9.....	38	396	1.00	-	-	0.00	38	396	1.93
5	11.0-11.4.....	54	626	1.88	-	-	0.00	54	626	3.61
6	11.5-11.9.....	95	996	3.27	1	69	0.20	94	927	6.11
7	12.0-12.4.....	163	2,522	6.80	4	182	0.73	159	2,339	12.41
8	12.5-12.9.....	252	3,860	12.20	5	205	1.33	247	3,655	22.25
9	13.0-13.4.....	325	4,630	18.68	8	139	1.74	317	4,491	34.34
10	13.5-13.9.....	446	7,560	29.25	34	836	4.17	412	6,724	52.45
11	14.0-14.4.....	454	8,367	40.96	53	1,554	8.69	401	6,814	70.80
12	14.5-14.9.....	391	7,554	51.53	101	3,001	17.43	290	4,552	83.06
13	15.0-15.4.....	344	8,405	63.29	157	5,167	32.48	187	3,238	91.78
14	15.5-15.9.....	283	8,302	74.90	184	6,557	51.57	99	1,745	96.48
15	16.0-16.4.....	226	7,077	84.80	176	6,124	69.41	50	953	99.05
16	16.5-16.9.....	166	5,181	92.05	146	4,948	83.81	20	233	99.67
17	17.0-17.9.....	139	4,622	98.52	131	4,528	97.00	8	95	99.93
18	18.0-18.9.....	31	755	99.58	30	727	99.12	1	27	100.00
19	GREATER THAN 18.9.....	8	303	100.00	8	303	100.00	-	-	100.00

NOTE: *n*=EXAMINED PERSONS, *N*=ESTIMATED POPULATION IN THOUSANDS.

TABLE 46. CUMULATIVE PERCENTAGE DISTRIBUTION OF HEMOGLOBIN VALUES FOR PERSONS AGED 18-44 BY SEX AND RACE FOR INCOME LEVELS: UNITED STATES, 1971-72 (HANES PRELIMINARY)-CON.

WHITE MALE			WHITE FEMALE			NEGRO MALE			NEGRO FEMALE			
n	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT	
ALL INCOME												
808	30,458	100.00	1,758	32,342	100.00	211	3,440	100.00	618	4,541	100.00	1
-	-	0.00	7	85	0.26	-	-	0.00	9	84	1.85	2
-	-	0.00	9	137	0.69	-	-	0.00	4	13	2.14	3
-	-	0.00	14	206	1.32	-	-	0.00	24	190	6.33	4
-	-	0.00	24	440	2.68	-	-	0.00	30	185	10.41	5
1	69	0.23	45	654	4.71	-	-	0.00	48	272	16.41	6
3	134	0.67	79	1,675	9.88	1	48	1.41	77	639	30.48	7
2	97	0.99	158	2,839	18.66	3	108	4.55	84	767	47.38	8
4	102	1.32	216	3,808	30.44	4	37	5.64	95	642	61.52	9
17	667	3.51	321	6,127	49.38	17	169	10.55	87	565	73.97	10
31	1,201	7.45	324	6,189	68.52	22	353	20.79	71	579	86.73	11
64	2,373	15.24	239	4,178	81.44	36	585	37.78	49	343	94.27	12
120	4,477	29.94	159	3,045	90.85	34	533	53.28	28	193	98.51	13
141	5,775	48.90	93	1,720	96.17	40	742	74.85	4	16	98.86	14
151	5,613	67.33	45	892	98.93	20	343	84.82	4	44	99.82	15
123	4,630	82.53	17	226	99.63	19	302	93.59	3	7	99.97	16
120	4,346	96.80	7	93	99.92	9	169	98.49	1	1	100.00	17
24	679	99.03	1	27	100.00	5	44	99.78	-	-	100.00	18
7	296	100.00	-	-	100.00	1	7	100.00	-	-	100.00	19

TABLE 46. CUMULATIVE PERCENTAGE DISTRIBUTION OF HEMOGLOBIN VALUES FOR PERSONS AGED 18-44 BY SEX AND RACE FOR INCOME LEVELS: UNITED STATES, 1971-72 (HANES PRELIMINARY)-CON.

	HEMOGLOBIN (GMS/100 ML)	TOTAL			MALE			FEMALE		
		n	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT
		2/INCOME BELOW POVERTY LEVEL								
1	TOTAL.....	591	6,790	100.00	128	2,538	100.00	463	4,252	100.00
2	LESS THAN 9.0.....	8	74	1.08	-	-	0.00	8	74	1.73
3	9.0-9.9.....	6	27	1.48	-	-	0.00	6	27	2.37
4	10.0-10.9.....	15	152	3.73	-	-	0.00	15	152	5.95
5	11.0-11.4.....	21	127	5.60	-	-	0.00	21	127	8.94
6	11.5-11.9.....	27	133	7.56	-	-	0.00	27	133	12.07
7	12.0-12.4.....	53	687	17.67	1	48	1.91	52	638	27.08
8	12.5-12.9.....	54	428	23.97	1	28	3.00	53	400	36.49
9	13.0-13.4.....	66	555	32.15	1	5	3.18	65	551	49.44
10	13.5-13.9.....	82	766	43.43	11	75	6.15	71	690	65.68
11	14.0-14.4.....	77	860	56.10	9	152	12.16	68	708	82.33
12	14.5-14.9.....	56	725	66.78	10	233	21.35	46	492	93.89
13	15.0-15.4.....	38	564	75.09	20	417	37.78	18	147	97.35
14	15.5-15.9.....	28	617	84.18	22	564	60.00	6	53	98.61
15	16.0-16.4.....	27	516	91.77	23	478	78.83	4	38	99.50
16	16.5-16.9.....	13	269	95.74	11	253	88.80	2	16	99.88
17	17.0-17.9.....	12	215	98.91	11	210	97.07	1	5	100.00
18	18.0-18.9.....	8	74	100.00	8	74	100.00	-	-	100.00
19	GREATER THAN 18.9.....	-	-	100.00	-	-	100.00	-	-	100.00
		2/INCOME ABOVE POVERTY LEVEL								
1	TOTAL.....	2,700	61,847	100.00	866	30,482	100.00	1,834	31,365	100.00
2	LESS THAN 9.0.....	6	90	0.14	-	-	0.00	6	90	0.29
3	9.0-9.9.....	7	123	0.34	-	-	0.00	7	123	0.68
4	10.0-10.9.....	21	225	0.71	-	-	0.00	21	225	1.39
5	11.0-11.4.....	33	498	1.51	-	-	0.00	33	498	2.98
6	11.5-11.9.....	63	826	2.85	1	69	0.23	62	757	5.40
7	12.0-12.4.....	101	1,674	5.55	2	107	0.58	99	1,567	10.39
8	12.5-12.9.....	183	3,170	10.68	3	127	0.99	180	3,043	20.09
9	13.0-13.4.....	243	3,913	17.01	6	126	1.41	237	3,788	32.17
10	13.5-13.9.....	342	6,391	27.34	21	731	3.81	321	5,660	50.21
11	14.0-14.4.....	358	7,167	38.93	38	1,246	7.89	320	5,921	69.09
12	14.5-14.9.....	323	6,707	49.77	89	2,752	16.92	234	3,955	81.70
13	15.0-15.4.....	291	7,620	62.09	133	4,681	32.28	158	2,939	91.07
14	15.5-15.9.....	244	7,463	74.16	158	5,867	51.52	86	1,596	96.16
15	16.0-16.4.....	190	6,184	84.16	146	5,312	68.95	44	872	98.94
16	16.5-16.9.....	145	4,730	91.81	127	4,514	83.76	18	216	99.63
17	17.0-17.9.....	122	4,202	98.60	115	4,112	97.25	7	89	99.91
18	18.0-18.9.....	20	562	99.51	19	535	99.00	1	27	100.00
19	GREATER THAN 18.9.....	8	303	100.00	8	303	100.00	-	-	100.00

2/EXCLUDES PERSONS WITH UNKNOWN INCOME.
NOTE: *n*=EXAMINED PERSONS, *N*=ESTIMATED POPULATION IN THOUSANDS.

TABLE 46. CUMULATIVE PERCENTAGE DISTRIBUTION OF HEMOGLOBIN VALUES FOR PERSONS AGED 18-44 BY SEX AND RACE FOR INCOME LEVELS: UNITED STATES, 1971-72 (HANES PRELIMINARY)-CON.

WHITE MALE			WHITE FEMALE			NEGRO MALE			NEGRO FEMALE			
n	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT	
2/INCOME BELOW POVERTY LEVEL												
62	1,504	100.00	205	2,679	100.00	61	936	100.00	253	1,536	100.00	1
-	-	0.00	3	18	0.66	-	-	0.00	5	56	3.64	2
-	-	0.00	3	16	1.24	-	-	0.00	3	11	4.38	3
-	-	0.00	2	14	1.75	-	-	0.00	13	139	13.41	4
-	-	0.00	5	64	4.16	-	-	0.00	16	63	17.50	5
-	-	0.00	11	72	6.84	-	-	0.00	16	61	21.48	6
-	-	0.00	17	377	20.90	1	48	5.17	34	260	38.39	7
-	-	0.00	21	162	26.96	1	28	8.12	31	228	53.24	8
-	-	0.00	29	303	38.27	1	5	8.62	36	248	69.36	9
2	15	1.00	37	547	58.70	9	60	15.07	33	133	78.02	10
4	109	8.26	32	487	76.87	5	43	19.69	35	209	91.60	11
3	53	11.79	29	414	92.33	7	180	38.96	17	77	96.64	12
10	292	31.23	7	101	96.09	9	67	46.16	11	46	99.66	13
9	273	49.40	5	51	97.99	12	262	74.12	-	-	99.66	14
15	366	73.74	2	34	99.25	6	104	85.27	2	4	99.92	15
5	141	83.14	1	15	99.81	6	112	97.20	1	1	100.00	16
9	203	96.61	1	5	100.00	2	7	97.99	-	-	100.00	17
5	51	100.00	-	-	100.00	2	19	100.00	-	-	100.00	18
-	-	100.00	-	-	100.00	-	-	100.00	-	-	100.00	19
2/INCOME ABOVE POVERTY LEVEL												
714	27,756	100.00	1,478	28,331	100.00	140	2,393	100.00	333	2,840	100.00	1
-	-	0.00	3	63	0.22	-	-	0.00	3	26	0.92	2
-	-	0.00	6	121	0.65	-	-	0.00	1	2	0.97	3
-	-	0.00	11	175	1.27	-	-	0.00	10	49	2.71	4
-	-	0.00	19	376	2.60	-	-	0.00	14	123	7.04	5
1	69	0.25	32	555	4.56	-	-	0.00	29	200	14.09	6
2	107	0.63	59	1,218	8.86	-	-	0.00	38	325	25.54	7
1	47	0.80	129	2,497	17.67	2	81	3.37	47	507	43.40	8
4	102	1.17	178	3,377	29.59	2	24	4.37	54	373	56.53	9
14	628	3.43	269	5,245	48.10	7	103	8.69	50	410	70.97	10
24	979	6.96	282	5,527	67.61	14	267	19.85	33	361	83.67	11
61	2,320	15.32	202	3,664	80.55	27	388	36.07	30	259	92.79	12
108	4,141	30.24	143	2,797	90.42	23	439	54.41	15	142	97.81	13
130	5,393	49.67	81	1,573	95.97	27	468	73.97	4	16	98.36	14
129	4,914	67.37	41	816	98.85	14	238	83.93	2	40	99.76	15
111	4,314	82.91	16	211	99.59	13	190	91.88	2	6	99.96	16
106	3,938	97.10	6	88	99.90	7	161	98.62	1	1	100.00	17
16	509	98.93	1	27	100.00	3	26	99.69	-	-	100.00	18
7	296	100.00	-	-	100.00	1	7	100.00	-	-	100.00	19

TABLE 47. CUMULATIVE PERCENTAGE DISTRIBUTION OF HEMOGLOBIN VALUES FOR PERSONS AGED 60 AND OVER BY RACE FOR INCOME LEVELS: UNITED STATES, 1971-72 (HANES PRELIMINARY)

HEMOGLOBIN (GMS/100 ML)	1/TOTAL			WHITE			NEGRO		
	n	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT
	ALL INCOME								
TOTAL.....	1,938	20,560	100.00	1,486	18,719	100.00	435	1,791	100.00
LESS THAN 9.0.....	7	55	0.27	5	41	0.22	2	14	0.80
9.0-9.9.....	3	7	0.30	-	-	0.22	3	7	1.17
10.0-10.9.....	14	81	0.70	8	52	0.50	6	29	2.81
11.0-11.4.....	23	105	1.21	9	47	0.74	14	58	6.07
11.5-11.9.....	41	241	2.38	18	120	1.39	23	121	12.81
12.0-12.4.....	71	586	5.23	39	437	3.72	31	138	20.51
12.5-12.9.....	89	885	9.53	56	741	7.68	33	144	28.53
13.0-13.4.....	182	1,785	18.21	104	1,508	15.73	75	271	43.68
13.5-13.9.....	215	2,390	29.84	159	2,097	26.94	55	292	59.98
14.0-14.4.....	259	3,128	45.05	208	2,990	42.91	49	136	67.55
14.5-14.9.....	235	2,210	55.80	178	1,963	53.40	52	239	80.91
15.0-15.4.....	266	3,164	71.18	231	3,012	69.49	34	141	88.78
15.5-15.9.....	182	2,290	82.32	158	2,202	81.25	23	87	93.66
16.0-16.4.....	142	1,395	89.11	128	1,338	88.40	13	56	96.76
16.5-16.9.....	95	1,080	94.36	87	1,057	94.04	7	15	97.58
17.0-17.9.....	85	815	98.32	73	784	98.23	12	31	99.29
18.0-18.9.....	23	263	99.60	22	255	99.60	1	8	99.72
GREATER THAN 18.9.....	6	82	100.00	3	75	100.00	2	5	100.00

1/TOTAL INCLUDES ALL RACES.
NOTE: *n*=EXAMINED PERSONS, *N*=ESTIMATED POPULATION IN THOUSANDS.

TABLE 47. CUMULATIVE PERCENTAGE DISTRIBUTION OF HEMOGLOBIN VALUES FOR PERSONS AGED 60 AND OVER BY RACE FOR INCOME LEVELS: UNITED STATES, 1971-72 (HANES PRELIMINARY)-CON.

HEMOGLOBIN (GMS/100 ML)	1/TOTAL			WHITE			NEGRO		
	n	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT
	2/ INCOME BELOW POVERTY LEVEL								
TOTAL.....	484	3,113	100.00	292	2,397	100.00	191	714	100.00
LESS THAN 9.0.....	2	23	0.75	1	10	0.43	1	13	1.83
9.0-9.9.....	-	-	0.75	-	-	0.43	-	-	1.83
10.0-10.9.....	3	17	1.30	-	-	0.43	3	17	4.24
11.0-11.4.....	9	42	2.64	1	5	0.62	8	37	9.42
11.5-11.9.....	9	50	4.26	1	2	0.71	8	48	16.16
12.0-12.4.....	23	118	8.05	10	43	2.52	13	75	26.60
12.5-12.9.....	33	158	13.13	17	102	6.78	16	56	34.46
13.0-13.4.....	61	345	24.23	16	166	13.68	45	180	59.64
13.5-13.9.....	48	309	34.15	25	245	23.89	23	64	68.63
14.0-14.4.....	55	351	45.44	35	306	36.65	19	45	74.88
14.5-14.9.....	67	460	60.23	43	364	51.82	24	97	88.41
15.0-15.4.....	57	397	72.98	49	365	67.02	8	32	92.94
15.5-15.9.....	44	398	85.78	33	374	82.61	11	25	96.40
16.0-16.4.....	30	205	92.36	26	193	90.67	4	12	98.02
16.5-16.9.....	18	103	95.67	15	99	94.80	3	4	98.58
17.0-17.9.....	22	124	99.66	17	114	99.56	5	10	100.00
18.0-18.9.....	2	8	99.93	2	8	99.91	-	-	100.00
GREATER THAN 18.9.....	1	2	100.00	1	2	100.00	-	-	100.00
	2/INCOME ABOVE POVERTY LEVEL								
TOTAL.....	1,331	15,949	100.00	1,104	14,996	100.00	212	906	100.00
LESS THAN 9.0.....	5	32	0.20	4	31	0.21	1	1	0.14
9.0-9.9.....	3	7	0.24	-	-	0.21	3	7	0.87
10.0-10.9.....	11	64	0.64	8	52	0.55	3	12	2.21
11.0-11.4.....	13	61	1.02	7	40	0.81	6	21	4.56
11.5-11.9.....	28	171	2.10	16	112	1.56	12	59	11.04
12.0-12.4.....	43	428	4.78	27	358	3.95	15	59	17.57
12.5-12.9.....	49	616	8.64	35	577	7.80	14	38	21.78
13.0-13.4.....	114	1,394	17.38	83	1,299	16.47	28	88	31.50
13.5-13.9.....	157	1,999	29.91	127	1,799	28.46	29	199	53.51
14.0-14.4.....	181	2,394	44.92	155	2,319	43.93	25	74	61.67
14.5-14.9.....	153	1,586	54.86	124	1,468	53.72	24	110	73.78
15.0-15.4.....	196	2,667	71.58	173	2,555	70.75	22	102	85.01
15.5-15.9.....	127	1,704	82.27	116	1,649	81.75	10	55	91.05
16.0-16.4.....	105	1,141	89.42	97	1,098	89.07	8	43	95.79
16.5-16.9.....	69	819	94.56	65	802	94.42	3	9	96.77
17.0-17.9.....	54	553	98.02	48	536	97.99	6	17	98.59
18.0-18.9.....	18	236	99.50	17	228	99.51	1	8	99.44
GREATER THAN 18.9.....	5	80	100.00	2	73	100.00	2	5	100.00

1/TOTAL INCLUDES ALL RACES.
2/EXCLUDES PERSONS WITH UNKNOWN INCOME.
NOTE: *n*=EXAMINED PERSONS, *N*=ESTIMATED POPULATION IN THOUSANDS.

TABLE 48. CUMULATIVE PERCENTAGE DISTRIBUTION OF SERUM VITAMIN A VALUES FOR PERSONS AGED 1-5 BY RACE FOR INCOME LEVELS: UNITED STATES, 1971-72 (HANES PRELIMINARY)

SERUM VITAMIN A (MICRO GRAMS/100 ML)	1/TOTAL			WHITE			NEGRO		
	n	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT
	ALL INCOME								
TOTAL	1,489	16,877	100.00	986	14,193	100.00	489	2,570	100.00
LESS THAN 10	1	11	0.06	1	11	0.08	-	-	0.00
10-14	9	49	0.35	3	11	0.15	6	38	1.49
15	-	-	0.35	-	-	0.15	-	-	1.49
16	1	1	0.36	1	1	0.16	-	-	1.49
17	23	149	1.24	-	-	0.16	23	149	7.27
18	10	187	2.35	6	159	1.28	4	28	8.38
19	13	186	3.45	6	140	2.26	7	47	10.20
20	25	283	5.13	9	179	3.52	16	104	14.24
21	19	239	6.55	9	171	4.73	10	68	16.88
22	24	261	8.09	10	193	6.09	14	68	19.52
23	12	65	8.48	5	44	6.40	7	21	20.34
24	64	524	11.59	34	389	9.14	30	135	25.60
25-29	215	1,945	23.11	113	1,412	19.09	100	506	45.31
30-39	628	7,120	65.30	432	6,087	61.97	188	980	83.44
40-49	285	3,863	88.19	221	3,555	87.02	63	307	95.37
50-59	89	1,137	94.93	78	1,070	94.55	8	37	96.80
60-69	52	667	98.88	43	616	98.89	9	51	98.77
70-79	14	151	99.77	12	124	99.76	2	27	99.82
80-99	3	33	99.97	3	33	100.00	-	-	99.82
100-149	2	5	100.00	-	-	100.00	2	5	100.00
150-199	-	-	100.00	-	-	100.00	-	-	100.00
GREATER THAN 199	-	-	100.00	-	-	100.00	-	-	100.00

1/TOTAL INCLUDES ALL RACES.
NOTE: *n*=EXAMINED PERSONS, *N*=ESTIMATED POPULATION IN THOUSANDS.

TABLE 48. CUMULATIVE PERCENTAGE DISTRIBUTION OF SERUM VITAMIN A VALUES FOR PERSONS AGED 1-5 BY RACE FOR INCOME LEVELS: UNITED STATES, 1971-72 (HANES PRELIMINARY)-CON.

SERUM VITAMIN A (MICRO GRAMS/100 ML)	1/TOTAL			WHITE			NEGRO		
	n	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT
	2/INCOME BELOW POVERTY LEVEL								
TOTAL	446	3,183	100.00	180	1,915	100.00	265	1,252	100.00
LESS THAN 10	-	-	0.00	-	-	0.00	-	-	0.00
10-14	2	7	0.21	1	4	0.19	1	3	0.25
15	-	-	0.21	-	-	0.19	-	-	0.25
16	-	-	0.21	-	-	0.19	-	-	0.25
17	15	82	2.77	-	-	0.19	15	82	6.76
18	5	32	3.78	2	22	1.32	3	10	7.60
19	5	24	4.54	1	6	1.61	4	19	9.08
20	13	86	7.26	3	35	3.44	10	51	13.19
21	9	109	10.69	1	45	5.81	8	64	18.30
22	9	120	14.45	4	92	10.62	5	28	20.52
23	6	20	15.10	3	11	11.19	3	10	21.28
24	28	149	19.78	10	58	14.24	18	91	28.53
25-29	79	453	34.02	28	253	27.45	50	190	43.74
30-39	200	1,468	80.14	92	982	78.73	106	479	82.04
40-49	54	437	93.89	26	311	95.00	28	126	92.11
50-59	7	39	95.10	2	7	95.38	5	31	94.62
60-69	11	120	98.86	6	84	99.76	5	36	97.47
70-79	3	32	99.85	1	5	100.00	2	27	99.63
80-99	-	-	99.85	-	-	100.00	-	-	99.63
100-149	2	5	100.00	-	-	100.00	2	5	100.00
150-199	-	-	100.00	-	-	100.00	-	-	100.00
GREATER THAN 199	-	-	100.00	-	-	100.00	-	-	100.00
	2/INCOME ABOVE POVERTY LEVEL								
TOTAL	1,010	13,344	100.00	791	12,019	100.00	208	1,229	100.00
LESS THAN 10	1	11	0.08	1	11	0.09	-	-	0.00
10-14	6	39	0.37	2	7	0.15	4	32	2.57
15	-	-	0.37	-	-	0.15	-	-	2.57
16	1	1	0.38	1	1	0.16	-	-	2.57
17	7	62	0.85	-	-	0.16	7	62	7.64
18	5	155	2.01	4	137	1.30	1	18	9.11
19	7	149	3.13	5	134	2.41	2	15	10.34
20	12	196	4.60	6	144	3.61	6	52	14.61
21	10	130	5.57	8	126	4.66	2	4	14.93
22	14	140	6.62	6	101	5.50	8	38	18.05
23	6	45	6.96	2	33	5.78	4	12	19.00
24	35	373	9.75	24	330	8.53	11	42	22.46
25-29	131	1,455	20.65	84	1,141	18.02	46	297	46.62
30-39	416	5,481	61.72	332	4,962	59.31	78	472	85.07
40-49	225	3,359	86.89	192	3,194	85.88	32	163	98.36
50-59	81	1,076	94.95	75	1,039	94.52	3	5	98.79
60-69	39	521	98.86	35	506	98.73	4	15	100.00
70-79	11	119	99.75	11	119	99.72	-	-	100.00
80-99	3	33	100.00	3	33	100.00	-	-	100.00
100-149	-	-	100.00	-	-	100.00	-	-	100.00
150-199	-	-	100.00	-	-	100.00	-	-	100.00
GREATER THAN 199	-	-	100.00	-	-	100.00	-	-	100.00

1/TOTAL INCLUDES ALL RACES.
2/EXCLUDES PERSONS WITH UNKNOWN INCOME.
NOTE: *n*=EXAMINED PERSONS, *N*=ESTIMATED POPULATION IN THOUSANDS.

TABLE 49. CUMULATIVE PERCENTAGE DISTRIBUTION OF SERUM VITAMIN A VALUES FOR PERSONS AGED 18-44 BY SEX AND RACE FOR INCOME LEVELS: UNITED STATES, 1971-72 (HANES PRELIMINARY)

	SERUM VITAMIN A (MICRO GRAMS/100 ML)	TOTAL			MALE			FEMALE		
		n	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT
		ALL INCOME								
1	TOTAL.....	3,444	71,474	100.00	1,038	34,341	100.00	2,406	37,134	100.00
2	LESS THAN 10.....	-	-	0.00	-	-	0.00	-	-	0.00
3	10-14.....	2	12	0.02	1	9	0.03	1	2	0.01
4	15.....	-	-	0.02	-	-	0.03	-	-	0.01
5	16.....	1	2	0.02	-	-	0.03	1	2	0.01
6	17.....	-	-	0.02	-	-	0.03	-	-	0.01
7	18.....	2	5	0.03	1	4	0.04	1	2	0.01
8	19.....	1	2	0.03	-	-	0.04	1	2	0.02
9	20.....	2	8	0.04	-	-	0.04	2	8	0.04
10	21.....	3	99	0.18	-	-	0.04	3	99	0.31
11	22.....	3	26	0.21	-	-	0.04	3	26	0.38
12	23.....	7	184	0.47	2	141	0.45	5	43	0.49
13	24.....	9	187	0.73	1	6	0.47	8	181	0.98
14	25-29.....	67	1,056	2.21	8	274	1.27	59	782	3.09
15	30-39.....	511	8,330	13.87	68	1,791	6.48	443	6,539	20.69
16	40-49.....	831	16,307	36.68	191	5,675	23.01	640	10,631	49.32
17	50-59.....	865	18,745	62.91	294	9,943	51.96	571	8,802	73.03
18	60-69.....	559	12,757	80.75	233	8,080	75.49	326	4,677	85.62
19	70-79.....	343	8,338	92.42	146	5,114	90.38	197	3,224	94.30
20	80-99.....	191	4,301	98.44	72	2,523	97.73	119	1,778	99.09
21	100-149.....	46	1,047	99.90	20	711	99.80	26	336	100.00
22	150-199.....	1	69	100.00	1	69	100.00	-	-	100.00
23	GREATER THAN 199.....	-	-	100.00	-	-	100.00	-	-	100.00

NOTE: *n*=EXAMINED PERSONS, *N*=ESTIMATED POPULATION IN THOUSANDS.

TABLE 49. CUMULATIVE PERCENTAGE DISTRIBUTION OF SERUM VITAMIN A VALUES FOR PERSONS AGED 18-44 BY SEX AND RACE FOR INCOME LEVELS: UNITED STATES, 1971-72 (HANES PRELIMINARY)-CON.

WHITE MALE			WHITE FEMALE			NEGRO MALE			NEGRO FEMALE			
n	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT	
ALL INCOME												
808	30,458	100.00	1,758	32,342	100.00	211	3,440	100.00	618	4,541	100.00	1
-	-	0.00	-	-	0.00	-	-	0.00	-	-	0.00	2
1	9	0.03	-	-	0.00	-	-	0.00	1	2	0.05	3
-	-	0.03	-	-	0.00	-	-	0.00	-	-	0.05	4
-	-	0.03	1	2	0.00	-	-	0.00	-	-	0.05	5
-	-	0.03	-	-	0.00	-	-	0.00	-	-	0.05	6
1	4	0.04	-	-	0.00	-	-	0.00	1	2	0.09	7
-	-	0.04	-	-	0.00	-	-	0.00	1	2	0.12	8
-	-	0.04	1	4	0.02	-	-	0.00	1	4	0.20	9
-	-	0.04	3	99	0.32	-	-	0.00	-	-	0.20	10
-	-	0.04	1	4	0.34	-	-	0.00	2	22	0.69	11
2	141	0.50	1	4	0.35	-	-	0.00	4	39	1.56	12
-	-	0.50	6	170	0.87	1	6	0.18	2	11	1.79	13
5	203	1.17	41	625	2.81	3	71	2.25	18	156	5.24	14
41	1,492	6.07	309	5,483	19.76	26	297	10.89	126	985	26.93	15
133	4,825	21.91	486	9,390	48.79	53	794	33.96	146	1,186	53.06	16
232	8,852	50.98	416	7,796	72.90	53	768	56.29	148	956	74.12	17
195	7,275	74.86	233	4,015	85.31	35	750	78.09	89	605	87.44	18
121	4,654	90.14	152	2,816	94.02	25	461	91.47	45	408	96.43	19
60	2,294	97.67	91	1,639	99.09	11	223	97.97	26	124	99.15	20
16	641	99.77	17	295	100.00	4	70	100.00	8	39	100.00	21
1	69	100.00	-	-	100.00	-	-	100.00	-	-	100.00	22
-	-	100.00	-	-	100.00	-	-	100.00	-	-	100.00	23

TABLE 49. CUMULATIVE PERCENTAGE DISTRIBUTION OF SERUM VITAMIN A VALUES FOR PERSONS AGED 18-44 BY SEX AND RACE FOR INCOME LEVELS: UNITED STATES, 1971-72 (HANES PRELIMINARY)-CON.

	SERUM VITAMIN A (MICRO GRAMS/100 ML)	TOTAL			MALE			FEMALE		
		n	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT
		2/INCOME BELOW POVERTY LEVEL								
1	TOTAL.....	591	6,790	100.00	128	2,538	100.00	463	4,252	100.00
2	LESS THAN 10.....	-	-	0.00	-	-	0.00	-	-	0.00
3	10-14.....	1	2	0.03	-	-	0.00	1	2	0.05
4	15.....	-	-	0.03	-	-	0.00	-	-	0.05
5	16.....	-	-	0.03	-	-	0.00	-	-	0.05
6	17.....	-	-	0.03	-	-	0.00	-	-	0.05
7	18.....	-	-	0.03	-	-	0.00	-	-	0.05
8	19.....	-	-	0.03	-	-	0.00	-	-	0.05
9	20.....	2	8	0.15	-	-	0.00	2	8	0.24
10	21.....	-	-	0.15	-	-	0.00	-	-	0.24
11	22.....	2	22	0.47	-	-	0.00	2	22	0.76
12	23.....	5	43	1.11	-	-	0.00	5	43	1.77
13	24.....	3	70	2.15	-	-	0.00	3	70	3.43
14	25-29.....	17	222	5.41	-	-	0.00	17	222	8.65
15	30-39.....	127	1,239	23.66	21	249	9.80	106	990	31.94
16	40-49.....	148	1,749	49.42	30	676	36.44	118	1,073	57.17
17	50-59.....	136	1,617	73.24	36	721	64.86	100	896	78.24
18	60-69.....	70	924	86.84	21	505	84.77	49	418	88.08
19	70-79.....	47	647	96.37	13	271	95.44	34	376	96.93
20	80-99.....	25	206	99.40	5	93	99.09	20	113	99.59
21	100-149.....	8	41	100.00	2	23	100.00	6	18	100.00
22	150-199.....	-	-	100.00	-	-	100.00	-	-	100.00
23	GREATER THAN 199.....	-	-	100.00	-	-	100.00	-	-	100.00
		2/INCOME ABOVE POVERTY LEVEL								
1	TOTAL.....	2,700	61,847	100.00	866	30,482	100.00	1,834	31,365	100.00
2	LESS THAN 10.....	-	-	0.00	-	-	0.00	-	-	0.00
3	10-14.....	1	9	0.02	1	9	0.03	-	-	0.00
4	15.....	-	-	0.02	-	-	0.03	-	-	0.00
5	16.....	1	2	0.02	-	-	0.03	1	2	0.00
6	17.....	-	-	0.02	-	-	0.03	-	-	0.00
7	18.....	2	5	0.03	1	4	0.04	1	2	0.01
8	19.....	1	2	0.03	-	-	0.04	1	2	0.02
9	20.....	-	-	0.03	-	-	0.04	-	-	0.02
10	21.....	3	99	0.19	-	-	0.04	3	99	0.33
11	22.....	1	4	0.20	-	-	0.04	1	4	0.34
12	23.....	2	141	0.42	2	141	0.50	-	-	0.34
13	24.....	6	116	0.61	1	6	0.52	5	110	0.70
14	25-29.....	49	832	1.96	8	274	1.43	41	558	2.47
15	30-39.....	363	6,774	12.91	46	1,491	6.32	317	5,283	19.32
16	40-49.....	645	14,025	35.59	153	4,922	22.46	492	9,103	48.34
17	50-59.....	683	15,978	61.42	241	8,448	50.18	442	7,529	72.34
18	60-69.....	461	11,447	79.93	202	7,347	74.28	259	4,100	85.42
19	70-79.....	285	7,440	91.96	129	4,735	89.82	156	2,705	94.04
20	80-99.....	159	3,932	98.32	64	2,382	97.63	95	1,550	98.98
21	100-149.....	37	972	99.89	17	653	99.77	20	319	100.00
22	150-199.....	1	69	100.00	1	69	100.00	-	-	100.00
23	GREATER THAN 199.....	-	-	100.00	-	-	100.00	-	-	100.00

2/EXCLUDES PERSONS WITH UNKNOWN INCOME.
NOTE: *n*=EXAMINED PERSONS, *N*=ESTIMATED POPULATION IN THOUSANDS.

TABLE 49. CUMULATIVE PERCENTAGE DISTRIBUTION OF SERUM VITAMIN A VALUES FOR PERSONS AGED 18-44 BY SEX AND RACE FOR INCOME LEVELS: UNITED STATES, 1971-72 (HANES PRELIMINARY)-CON.

WHITE MALE			WHITE FEMALE			NEGRO MALE			NEGRO FEMALE			
n	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT	
2/INCOME BELOW POVERTY LEVEL												
62	1,504	100.00	205	2,679	100.00	61	936	100.00	253	1,536	100.00	1
-	-	0.00	-	-	0.00	-	-	0.00	-	-	0.00	2
-	-	0.00	-	-	0.00	-	-	0.00	1	2	0.15	3
-	-	0.00	-	-	0.00	-	-	0.00	-	-	0.15	4
-	-	0.00	-	-	0.00	-	-	0.00	-	-	0.15	5
-	-	0.00	-	-	0.00	-	-	0.00	-	-	0.15	6
-	-	0.00	-	-	0.00	-	-	0.00	-	-	0.15	7
-	-	0.00	-	-	0.00	-	-	0.00	-	-	0.15	8
-	-	0.00	1	4	0.15	-	-	0.00	1	4	0.39	9
-	-	0.00	-	-	0.15	-	-	0.00	-	-	0.39	10
-	-	0.00	1	4	0.30	-	-	0.00	1	18	1.57	11
-	-	0.00	1	4	0.45	-	-	0.00	4	39	4.12	12
-	-	0.00	2	61	2.74	-	-	0.00	1	9	4.71	13
-	-	0.00	11	117	7.11	-	-	0.00	6	105	11.53	14
8	127	8.41	49	581	28.78	13	122	13.07	53	376	36.01	15
13	374	33.31	52	677	54.03	15	295	44.57	66	396	61.80	16
18	413	60.77	45	608	76.70	15	217	67.74	55	288	80.58	17
11	306	81.13	19	278	87.09	10	199	89.02	30	140	89.70	18
8	222	95.87	14	263	96.92	5	49	94.28	20	113	97.03	19
3	48	99.04	9	80	99.91	2	45	99.09	11	33	99.18	20
1	14	100.00	1	2	100.00	1	9	100.00	4	13	100.00	21
-	-	100.00	-	-	100.00	-	-	100.00	-	-	100.00	22
-	-	100.00	-	-	100.00	-	-	100.00	-	-	100.00	23
2/INCOME ABOVE POVERTY LEVEL												
714	27,756	100.00	1,478	28,331	100.00	140	2,393	100.00	333	2,840	100.00	1
-	-	0.00	-	-	0.00	-	-	0.00	-	-	0.00	2
1	9	0.03	-	-	0.00	-	-	0.00	-	-	0.00	3
-	-	0.03	-	-	0.00	-	-	0.00	-	-	0.00	4
-	-	0.03	1	2	0.01	-	-	0.00	-	-	0.00	5
-	-	0.03	-	-	0.01	-	-	0.00	-	-	0.00	6
1	4	0.05	-	-	0.01	-	-	0.00	1	2	0.06	7
-	-	0.05	-	-	0.01	-	-	0.00	1	2	0.12	8
-	-	0.05	-	-	0.01	-	-	0.00	-	-	0.12	9
-	-	0.05	3	99	0.36	-	-	0.00	-	-	0.12	10
-	-	0.05	-	-	0.36	-	-	0.00	1	4	0.26	11
2	141	0.55	-	-	0.36	-	-	0.00	-	-	0.26	12
-	-	0.55	4	109	0.74	1	6	0.26	1	2	0.32	13
5	203	1.29	30	508	2.53	3	71	3.24	11	50	2.06	14
32	1,314	6.02	249	4,702	19.13	13	175	10.55	64	545	21.25	15
117	4,418	21.94	408	8,288	48.38	34	458	29.69	76	759	47.97	16
200	7,698	49.67	353	6,861	72.60	35	520	51.42	83	636	70.36	17
176	6,762	74.04	204	3,603	85.32	24	536	73.81	52	443	85.96	18
110	4,336	89.66	132	2,423	93.87	19	399	90.47	24	282	95.90	19
55	2,209	97.62	78	1,444	98.97	8	167	97.43	15	91	99.09	20
14	592	99.75	16	293	100.00	3	61	100.00	4	26	100.00	21
1	69	100.00	-	-	100.00	-	-	100.00	-	-	100.00	22
-	-	100.00	-	-	100.00	-	-	100.00	-	-	100.00	23

TABLE 50. CUMULATIVE PERCENTAGE DISTRIBUTION OF SERUM VITAMIN A VALUES FOR PERSONS AGED 60 AND OVER BY RACE FOR INCOME LEVELS: UNITED STATES, 1971-72 (HANES PRELIMINARY)

SERUM VITAMIN A (MICRO GRAMS/100 ML)	1/TOTAL			WHITE			NEGRO		
	n	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT
	ALL INCOME								
TOTAL	1,938	20,560	100.00	1,486	18,719	100.00	435	1,791	100.00
LESS THAN 10	1	3	0.01	-	-	0.00	1	3	0.16
10-14	1	11	0.07	1	11	0.06	-	-	0.16
15	-	-	0.07	-	-	0.06	-	-	0.16
16	-	-	0.07	-	-	0.06	-	-	0.16
17	-	-	0.07	-	-	0.06	-	-	0.16
18	-	-	0.07	-	-	0.06	-	-	0.16
19	2	15	0.14	1	13	0.13	1	2	0.27
20	-	-	0.14	-	-	0.13	-	-	0.27
21	2	15	0.21	2	15	0.21	-	-	0.27
22	1	15	0.28	1	15	0.29	-	-	0.27
23	3	16	0.36	-	-	0.29	3	16	1.19
24	2	10	0.41	1	9	0.33	1	1	1.24
25-29	23	199	1.38	17	171	1.25	5	28	2.81
30-39	111	1,086	6.66	68	883	5.96	39	178	12.72
40-49	306	2,760	20.08	218	2,433	18.96	88	327	30.98
50-59	472	4,972	44.26	364	4,619	43.63	105	349	50.48
60-69	395	4,570	66.49	326	4,231	66.24	68	337	69.29
70-79	298	3,198	82.04	237	2,899	81.72	56	286	85.25
80-99	235	2,775	95.54	181	2,574	95.47	52	198	96.32
100-149	70	734	99.11	56	667	99.04	13	64	99.90
150-199	12	91	99.56	9	89	99.51	3	2	100.00
GREATER THAN 199	4	91	100.00	4	91	100.00	-	-	100.00

1/TOTAL INCLUDES ALL RACES.
NOTE: *n*=EXAMINED PERSONS, *N*=ESTIMATED POPULATION IN THOUSANDS.

TABLE 50. CUMULATIVE PERCENTAGE DISTRIBUTION OF SERUM VITAMIN A VALUES FOR PERSONS AGED 60 AND OVER BY RACE FOR INCOME LEVELS: UNITED STATES, 1971-72 (HANES PRELIMINARY)-CON.

SERUM VITAMIN A (MICRO GRAMS/100 ML)	1/TOTAL			WHITE			NEGRO		
	n	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT
	2/INCOME BELOW POVERTY LEVEL								
TOTAL	484	3,113	100.00	292	2,397	100.00	191	714	100.00
LESS THAN 10	-	-	0.00	-	-	0.00	-	-	0.00
10-14	-	-	0.00	-	-	0.00	-	-	0.00
15	-	-	0.00	-	-	0.00	-	-	0.00
16	-	-	0.00	-	-	0.00	-	-	0.00
17	-	-	0.00	-	-	0.00	-	-	0.00
18	-	-	0.00	-	-	0.00	-	-	0.00
19	1	2	0.06	-	-	0.00	1	2	0.28
20	-	-	0.06	-	-	0.00	-	-	0.28
21	1	5	0.23	1	5	0.22	-	-	0.28
22	-	-	0.23	-	-	0.22	-	-	0.28
23	3	16	0.76	-	-	0.22	3	16	2.59
24	1	1	0.79	-	-	0.22	1	1	2.73
25-29	6	28	1.71	3	23	1.16	3	6	3.53
30-39	33	206	8.32	12	89	4.88	21	117	19.85
40-49	109	636	28.75	66	488	25.24	43	148	40.58
50-59	120	765	53.35	69	596	50.09	50	169	64.21
60-69	82	544	70.81	56	455	69.05	26	89	76.66
70-79	59	486	86.42	40	398	85.66	19	88	88.96
80-99	48	314	96.50	31	266	96.76	17	48	95.61
100-149	16	76	98.95	12	47	98.71	4	30	99.76
150-199	4	15	99.44	1	14	99.27	3	2	100.00
GREATER THAN 199	1	17	100.00	1	17	100.00	-	-	100.00
	2/INCOME ABOVE POVERTY LEVEL								
TOTAL	1,331	15,949	100.00	1,104	14,996	100.00	212	906	100.00
LESS THAN 10	1	3	0.02	-	-	0.00	1	3	0.31
10-14	1	11	0.09	1	11	0.07	-	-	0.31
15	-	-	0.09	-	-	0.07	-	-	0.31
16	-	-	0.09	-	-	0.07	-	-	0.31
17	-	-	0.09	-	-	0.07	-	-	0.31
18	-	-	0.09	-	-	0.07	-	-	0.31
19	-	-	0.09	-	-	0.07	-	-	0.31
20	-	-	0.09	-	-	0.07	-	-	0.31
21	1	9	0.14	1	9	0.13	-	-	0.31
22	1	15	0.24	1	15	0.23	-	-	0.31
23	-	-	0.24	-	-	0.23	-	-	0.31
24	-	-	0.24	-	-	0.23	-	-	0.31
25-29	14	140	1.11	12	117	1.02	1	22	2.72
30-39	70	816	6.23	49	733	5.90	17	59	9.19
40-49	175	1,768	17.31	135	1,650	16.91	40	117	22.15
50-59	330	4,003	42.41	281	3,842	42.53	48	160	39.77
60-69	296	3,815	66.33	259	3,610	66.60	36	203	62.16
70-79	221	2,483	81.89	185	2,297	81.92	31	172	81.17
80-99	167	2,210	95.75	135	2,066	95.70	30	141	96.71
100-149	45	569	99.32	36	536	99.27	8	30	100.00
150-199	7	63	99.71	7	63	99.69	-	-	100.00
GREATER THAN 199	2	47	100.00	2	47	100.00	-	-	100.00

1/TOTAL INCLUDES ALL RACES.
2/EXCLUDES PERSONS WITH UNKNOWN INCOME.
NOTE: *n*=EXAMINED PERSONS, *N*=ESTIMATED POPULATION IN THOUSANDS.

TABLE 51. CUMULATIVE PERCENTAGE DISTRIBUTION OF SERUM IRON VALUES FOR PERSONS AGED 1-5 BY RACE FOR INCOME LEVELS: UNITED STATES, 1971-72 (HANES PRELIMINARY)

SERUM IRON (MICRO GRAMS/100 ML)	1/TOTAL			WHITE			NEGRO		
	n	*N*		*n*	*N*		*n*	*N*	
	ALL INCOME								
TOTAL.....	1,489	16,877	100.00	986	14,193	100.00	489	2,570	100.00
LESS THAN 40.....	43	426	2.53	20	312	2.20	23	115	4.47
40-49.....	78	924	8.00	56	781	7.70	22	143	10.03
50-59.....	134	1,391	16.25	70	1,033	14.97	62	343	23.36
60-69.....	146	1,319	24.06	77	1,053	22.39	67	262	33.56
70-79.....	153	2,000	35.91	110	1,770	34.87	43	230	42.49
80-89.....	168	2,005	47.80	114	1,728	47.04	53	277	53.26
90-99.....	145	1,742	58.12	100	1,465	57.36	45	277	64.04
100-109.....	185	2,231	71.34	144	1,991	71.39	37	206	72.05
110-119.....	158	1,628	80.99	110	1,371	81.05	44	210	80.21
120-129.....	69	711	85.20	41	524	84.74	27	176	87.08
130-139.....	58	550	88.46	36	436	87.81	22	114	91.50
140-149.....	74	904	93.82	56	809	93.51	18	95	95.21
150-159.....	37	517	96.88	29	496	97.01	8	21	96.01
160-179.....	37	456	99.58	19	353	99.50	18	102	100.00
180-199.....	3	52	99.89	3	52	99.86	-	-	100.00
200-219.....	1	19	100.00	1	19	100.00	-	-	100.00
GREATER THAN 219.....	-	-	100.00	-	-	100.00	-	-	100.00

1/TOTAL INCLUDES ALL RACES.
NOTE: *n*=EXAMINED PERSONS, *N*=ESTIMATED POPULATION IN THOUSANDS.

TABLE 51. CUMULATIVE PERCENTAGE DISTRIBUTION OF SERUM IRON VALUES FOR PERSONS AGED 1-5 BY RACE FOR INCOME LEVELS: UNITED STATES, 1971-72 (HANES PRELIMINARY)-CON.

SERUM IRON (MICRO GRAMS/100 ML)	1/TOTAL			WHITE			NEGRO		
	n	*N*		*n*	*N*		*n*	*N*	
	2/INCOME BELOW POVERTY LEVEL								
TOTAL.....	448	3,183	100.00	180	1,915	100.00	265	1,252	100.00
LESS THAN 40.....	19	120	3.76	5	48	2.51	14	71	5.71
40-49.....	24	241	11.33	13	180	11.91	11	61	10.60
50-59.....	46	184	17.12	18	83	16.27	27	96	18.27
60-69.....	59	313	26.97	16	155	24.37	43	158	30.92
70-79.....	45	323	37.11	22	208	35.22	23	115	40.11
80-89.....	46	354	48.24	16	197	45.52	30	157	52.64
90-99.....	52	407	61.02	22	242	58.17	30	165	65.82
100-109.....	46	315	70.91	23	210	69.14	22	103	74.01
110-119.....	32	211	77.54	13	113	75.04	18	88	81.08
120-129.....	21	127	81.53	5	40	77.11	16	87	88.06
130-139.....	12	61	83.45	4	22	78.24	8	39	91.21
140-149.....	23	238	90.92	12	175	87.40	11	62	96.20
150-159.....	12	157	95.85	8	143	94.89	4	13	97.27
160-179.....	11	132	100.00	3	98	100.00	8	34	100.00
180-199.....	-	-	100.00	-	-	100.00	-	-	100.00
200-219.....	-	-	100.00	-	-	100.00	-	-	100.00
GREATER THAN 219.....	-	-	100.00	-	-	100.00	-	-	100.00
	2/INCOME ABOVE POVERTY LEVEL								
TOTAL.....	1,010	13,344	100.00	791	12,019	100.00	208	1,229	100.00
LESS THAN 40.....	23	302	2.26	15	264	2.19	8	39	3.14
40-49.....	53	679	7.35	42	597	7.16	11	82	9.81
50-59.....	86	1,198	16.33	52	949	15.05	33	238	29.19
60-69.....	85	1,002	23.84	61	898	22.53	22	100	37.30
70-79.....	106	1,658	36.27	87	1,545	35.38	19	114	46.54
80-89.....	119	1,607	48.31	96	1,488	47.75	22	119	56.24
90-99.....	93	1,335	58.32	78	1,223	57.93	15	112	65.37
100-109.....	133	1,828	72.02	118	1,726	72.29	12	70	71.04
110-119.....	123	1,365	82.24	95	1,208	82.35	25	119	80.70
120-129.....	45	564	86.47	36	485	86.38	8	69	86.32
130-139.....	43	455	89.88	29	381	89.55	14	74	92.36
140-149.....	49	641	94.69	42	609	94.61	7	33	95.03
150-159.....	25	360	97.39	21	353	97.55	4	7	95.63
160-179.....	23	277	99.47	15	224	99.41	8	54	100.00
180-199.....	3	52	99.86	3	52	99.84	-	-	100.00
200-219.....	1	19	100.00	1	19	100.00	-	-	100.00
GREATER THAN 219.....	-	-	100.00	-	-	100.00	-	-	100.00

1/TOTAL INCLUDES ALL RACES.
2/EXCLUDES PERSONS WITH UNKNOWN INCOME.
NOTE: *n*=EXAMINED PERSONS, *N*=ESTIMATED POPULATION IN THOUSANDS.

TABLE 52. CUMULATIVE PERCENTAGE DISTRIBUTION OF SERUM IRON VALUES FOR PERSONS AGED 12-17 BY SEX, RACE, AND INCOME LEVEL: UNITED STATES, 1971-72 (HANES PRELIMINARY)

	SERUM IRON (MICRO GRAMS/100 ML)	MALE			FEMALE		
		n	*N*		*n*	*N*	
1	TOTAL	517	12,508	100.00	528	12,239	100.00
2	LESS THAN 40	2	40	0.32	8	137	1.12
3	40-49	8	117	1.25	16	340	3.90
4	50-59	10	194	2.80	15	272	6.13
5	60-69	22	522	6.98	35	824	12.86
6	70-79	34	673	12.36	61	1,399	24.28
7	80-89	54	1,150	21.56	62	1,371	35.49
8	90-99	74	2,117	38.48	62	1,432	47.19
9	100-109	65	1,284	48.75	75	1,481	59.29
10	110-119	69	1,849	63.53	60	1,564	72.07
11	120-129	52	1,215	73.25	34	944	79.78
12	130-139	31	977	81.06	26	692	85.44
13	140-149	36	1,103	89.88	23	619	90.49
14	150-159	22	446	93.44	15	345	93.31
15	160-179	23	473	97.23	26	636	98.51
16	180-199	10	212	98.92	4	97	99.30
17	200-219	1	8	98.99	-	-	99.30
18	GREATER THAN 219	4	127	100.00	6	86	100.00

NOTE: *n*=EXAMINED PERSONS, *N*=ESTIMATED POPULATION IN THOUSANDS.

TABLE 52. CUMULATIVE PERCENTAGE DISTRIBUTION OF SERUM IRON VALUES FOR PERSONS AGED 12-17 BY SEX, RACE, AND INCOME LEVEL: UNITED STATES, 1971-72 (HANES PRELIMINARY)-CON.

WHITE			NEGRO			INCOME BELOW POVERTY LEVEL			INCOME ABOVE POVERTY LEVEL			
n	*N*		*n*	*N*		*n*	*N*		*n*	*N*		
708	21,051	100.00	326	3,432	100.00	264	3,626	100.00	732	19,694	100.00	1
4	106	0.50	6	71	2.08	7	98	2.71	3	79	0.40	2
17	414	2.47	7	43	3.32	5	78	4.85	19	379	2.33	3
17	340	4.09	8	126	6.98	8	84	7.18	14	354	4.13	4
36	1,105	9.34	20	216	13.27	17	190	12.43	38	1,055	9.48	5
60	1,820	17.98	35	252	20.61	32	372	22.67	61	1,652	17.87	6
74	2,040	27.68	39	401	32.28	32	290	30.67	78	2,095	28.51	7
93	3,031	42.08	41	448	45.35	36	613	47.56	91	2,632	41.88	8
84	2,268	52.85	54	455	58.60	35	399	58.55	97	2,163	52.86	9
89	2,854	66.41	40	560	74.90	28	579	74.51	92	2,619	66.16	10
63	1,905	75.46	22	253	82.27	15	283	82.31	67	1,773	75.16	11
42	1,463	82.41	14	166	87.09	12	244	89.05	44	1,389	82.22	12
46	1,478	89.43	13	244	94.21	8	89	91.50	51	1,633	90.51	13
29	747	92.98	7	38	95.33	12	98	94.20	24	686	93.99	14
34	1,003	97.74	15	106	98.43	13	147	98.27	32	717	97.63	15
10	259	98.97	4	50	99.90	2	53	99.74	12	256	98.93	16
1	8	99.01	-	-	99.90	1	8	99.95	-	-	98.93	17
9	209	100.00	1	4	100.00	1	2	100.00	9	211	100.00	18

TABLE 53. CUMULATIVE PERCENTAGE DISTRIBUTION OF SERUM IRON VALUES FOR PERSONS AGED 18-44 BY SEX AND RACE FOR INCOME LEVELS: UNITED STATES, 1971-72 (HANES PRELIMINARY)

	SERUM IRON (MICRO GRAMS/100 ML)	TOTAL			MALE			FEMALE		
		n	*N*		*n*	*N*		*n*	*N*	
		ALL INCOME								
1	TOTAL.....	3,444	71,474	100.00	1,038	34,341	100.00	2,406	37,134	100.00
2	LESS THAN 40.....	33	535	0.75	2	55	0.16	31	480	1.29
3	40-49.....	67	984	2.12	10	148	0.59	57	836	3.54
4	50-59.....	119	2,009	4.94	17	458	1.92	102	1,551	7.72
5	60-69.....	210	3,837	10.30	46	1,367	5.90	164	2,471	14.37
6	70-79.....	303	5,704	18.28	79	2,522	13.25	224	3,182	22.94
7	80-89.....	351	8,022	29.51	112	4,022	24.96	239	4,000	33.71
8	90-99.....	393	8,076	40.81	117	3,841	36.15	276	4,235	45.12
9	100-109.....	383	7,992	51.99	124	4,080	48.03	259	3,912	55.65
10	110-119.....	348	7,739	62.82	128	4,218	60.31	220	3,522	65.14
11	120-129.....	314	7,441	73.23	115	4,180	72.48	199	3,261	73.92
12	130-139.....	239	5,079	80.33	77	2,540	79.88	162	2,539	80.75
13	140-149.....	196	4,135	86.12	59	1,896	85.40	137	2,240	86.79
14	150-159.....	136	3,013	90.34	47	1,778	90.58	89	1,235	90.11
15	160-179.....	181	3,817	95.68	60	1,845	95.95	121	1,972	95.42
16	180-199.....	84	1,407	97.64	19	530	97.49	65	877	97.79
17	200-219.....	45	762	98.71	12	315	98.41	33	447	98.99
18	GREATER THAN 219.....	42	921	100.00	14	546	100.00	28	375	100.00

NOTE: *n*=EXAMINED PERSONS, *N*=ESTIMATED POPULATION IN THOUSANDS.

TABLE 53. CUMULATIVE PERCENTAGE DISTRIBUTION OF SERUM IRON VALUES FOR PERSONS AGED 18-44 BY SEX AND RACE FOR INCOME LEVELS: UNITED STATES, 1971-72 (HANES PRELIMINARY)-CON.

WHITE MALE			WHITE FEMALE			NEGRO MALE			NEGRO FEMALE			
n	*N*		*n*	*N*		*n*	*N*		*n*	*N*		
ALL INCOME												
808	30,458	100.00	1,758	32,342	100.00	211	3,440	100.00	618	4,541	100.00	1
2	55	0.18	25	440	1.36	-	-	0.00	6	41	0.90	2
7	127	0.60	43	756	3.70	3	21	0.60	13	78	2.62	3
14	436	2.03	73	1,305	7.73	3	22	1.23	28	245	8.02	4
38	1,319	6.36	106	2,028	14.00	7	45	2.54	53	430	17.48	5
61	2,345	14.06	156	2,705	22.36	16	165	7.35	66	468	27.80	6
89	3,623	25.96	184	3,560	33.37	23	399	18.95	48	341	35.31	7
91	3,359	36.99	194	3,550	44.35	24	448	31.97	80	680	50.30	8
85	3,278	47.75	182	3,376	54.79	38	799	55.21	74	511	61.56	9
102	3,674	59.81	160	3,025	64.14	23	407	67.03	59	485	72.25	10
90	3,803	72.30	153	2,931	73.20	23	367	77.70	45	327	79.46	11
56	2,153	79.37	111	2,149	79.85	17	223	84.19	50	387	87.97	12
51	1,724	85.03	109	2,026	86.11	8	172	89.18	28	214	92.68	13
38	1,551	90.12	67	1,089	89.48	7	156	93.72	20	132	95.59	14
48	1,717	95.76	100	1,805	95.06	10	118	97.14	18	117	98.16	15
15	455	97.25	51	839	97.65	4	75	99.31	14	38	99.00	16
8	295	98.22	23	422	98.96	4	20	99.89	10	25	99.55	17
13	542	100.00	21	338	100.00	1	4	100.00	6	20	100.00	18

TABLE 53. CUMULATIVE PERCENTAGE DISTRIBUTION OF SERUM IRON VALUES FOR PERSONS AGED 18-44 BY SEX AND RACE FOR INCOME LEVELS: UNITED STATES, 1971-72 (HANES PRELIMINARY)-CON.

	SERUM IRON (MICRO GRAMS/100 ML)	TOTAL			MALE			FEMALE		
		n	*N*		*n*	*N*		*n*	*N*	
		2/INCOME BELOW POVERTY LEVEL								
1	TOTAL.....	591	6,790	100.00	128	2,538	100.00	463	4,252	100.00
2	LESS THAN 40.....	10	52	0.77	-	-	0.00	10	52	1.23
3	40-49.....	19	154	3.04	4	37	1.47	15	117	3.97
4	50-59.....	29	250	6.72	2	14	2.02	27	236	9.53
5	60-69.....	38	319	11.42	7	72	4.87	31	247	15.32
6	70-79.....	60	668	21.26	9	170	11.55	51	498	27.05
7	80-89.....	61	617	30.35	12	100	15.50	49	517	39.21
8	90-99.....	69	888	43.43	17	402	31.35	52	486	50.65
9	100-109.....	59	688	53.57	10	271	42.01	49	418	60.47
10	110-119.....	54	651	63.16	14	249	51.83	40	402	69.92
11	120-129.....	44	610	72.14	15	270	62.48	29	340	77.91
12	130-139.....	44	708	82.58	14	471	81.03	30	238	83.50
13	140-149.....	25	243	86.16	4	40	82.62	21	203	88.28
14	150-159.....	18	272	90.16	5	176	89.54	13	96	90.53
15	160-179.....	25	319	94.87	7	179	96.59	18	140	93.84
16	180-199.....	14	179	97.50	4	58	98.86	10	122	96.70
17	200-219.....	11	71	98.55	2	8	99.18	9	63	98.17
18	GREATER THAN 219.....	11	99	100.00	2	21	100.00	9	78	100.00
		2/INCOME ABOVE POVERTY LEVEL								
1	TOTAL.....	2,700	61,847	100.00	866	30,482	100.00	1,834	31,365	100.00
2	LESS THAN 40.....	21	451	0.73	2	55	0.18	19	396	1.26
3	40-49.....	48	830	2.07	6	111	0.54	42	719	3.56
4	50-59.....	88	1,719	4.85	15	444	2.00	73	1,275	7.62
5	60-69.....	162	3,355	10.28	34	1,172	5.84	128	2,183	14.58
6	70-79.....	227	4,820	18.07	66	2,259	13.25	161	2,561	22.75
7	80-89.....	271	6,987	29.37	95	3,663	25.27	176	3,324	33.35
8	90-99.....	310	6,826	40.40	96	3,233	35.88	214	3,593	44.80
9	100-109.....	302	6,909	51.57	107	3,627	47.78	195	3,282	55.26
10	110-119.....	282	6,809	62.58	108	3,794	60.22	174	3,015	64.88
11	120-129.....	260	6,666	73.36	98	3,843	72.83	162	2,823	73.88
12	130-139.....	181	4,063	79.93	61	2,028	79.49	120	2,034	80.36
13	140-149.....	161	3,733	85.97	53	1,811	85.43	108	1,922	86.49
14	150-159.....	114	2,718	90.36	40	1,584	90.62	74	1,133	90.10
15	160-179.....	144	3,314	95.72	48	1,554	95.72	96	1,760	95.71
16	180-199.....	66	1,169	97.61	15	473	97.27	51	696	97.93
17	200-219.....	33	659	98.67	10	306	98.28	23	352	99.06
18	GREATER THAN 219.....	30	821	100.00	12	525	100.00	18	296	100.00

2/EXCLUDES PERSONS WITH UNKNOWN INCOME
NOTE: *n*=EXAMINED PERSONS, *N*=ESTIMATED POPULATION IN THOUSANDS.

TABLE 53. CUMULATIVE PERCENTAGE DISTRIBUTION OF SERUM IRON VALUES FOR PERSONS AGED 18-44 BY SEX AND RACE FOR INCOME LEVELS: UNITED STATES, 1971-72 (HANES PRELIMINARY)-CON.

WHITE MALE			WHITE FEMALE			NEGRO MALE			NEGRO FEMALE			
n	*N*		*n*	*N*		*n*	*N*		*n*	*N*		
2/INCOME BELOW POVERTY LEVEL												
62	1,504	100.00	205	2,679	100.00	61	936	100.00	253	1,536	100.00	1
-	-	0.00	6	33	1.23	-	-	0.00	4	19	1.25	2
2	23	1.53	7	69	3.82	2	14	1.52	7	46	4.23	3
1	10	2.22	13	118	8.23	1	4	1.91	14	118	11.92	4
5	61	6.31	12	151	13.85	1	9	2.83	19	96	18.16	5
4	105	13.28	20	275	24.12	5	65	9.74	31	223	32.70	6
6	67	17.72	26	370	37.94	6	33	13.30	20	115	40.15	7
7	226	32.78	20	288	48.67	10	176	32.08	32	199	53.08	8
5	231	48.13	22	299	59.83	5	40	36.33	27	119	60.83	9
6	150	58.10	20	258	69.46	8	99	46.93	20	144	70.18	10
7	132	66.91	15	268	79.48	7	134	61.20	14	71	74.83	11
9	287	85.99	5	57	81.59	4	127	74.73	25	181	86.62	12
1	4	86.27	11	111	85.72	3	36	78.57	10	92	92.63	13
1	14	87.24	6	59	87.92	3	132	92.70	7	37	95.04	14
3	122	95.35	8	98	91.59	3	52	98.22	9	39	97.61	15
3	49	98.61	6	110	95.71	1	9	99.13	4	11	98.34	16
-	-	98.61	2	47	97.46	2	8	100.00	7	16	99.37	17
2	21	100.00	6	68	100.00	-	-	100.00	3	10	100.00	18
2/INCOME ABOVE POVERTY LEVEL												
714	27,756	100.00	1,478	28,331	100.00	140	2,393	100.00	333	2,840	100.00	1
2	55	0.20	17	375	1.32	-	-	0.00	2	21	0.75	2
5	104	0.57	36	687	3.75	1	6	0.27	6	32	1.89	3
13	426	2.11	58	1,147	7.79	2	18	1.02	14	127	6.38	4
30	1,152	6.26	91	1,844	14.30	4	20	1.84	32	325	17.84	5
55	2,163	14.05	128	2,336	22.55	9	84	5.35	31	217	25.47	6
78	3,297	25.93	148	3,040	33.28	17	366	20.64	24	218	33.14	7
80	2,927	36.48	166	3,110	44.26	14	272	32.02	46	479	49.99	8
75	2,892	46.90	152	2,927	54.59	31	733	62.64	41	347	62.21	9
91	3,365	59.02	137	2,673	64.03	14	293	74.86	36	331	73.86	10
82	3,618	72.06	133	2,577	73.12	15	219	84.00	28	243	82.43	11
46	1,831	78.65	96	1,832	79.59	13	97	88.04	24	202	89.55	12
48	1,675	84.69	92	1,819	86.01	5	136	93.70	16	103	93.18	13
36	1,531	90.21	61	1,030	89.64	3	11	94.18	11	89	96.32	14
42	1,496	95.60	87	1,650	95.47	6	57	96.58	7	62	98.49	15
12	406	97.06	42	673	97.84	3	66	99.35	9	23	99.29	16
8	295	98.12	20	343	99.05	2	12	99.84	3	9	99.63	17
11	521	100.00	14	268	100.00	-	4	100.00	3	11	100.00	18

TABLE 54. CUMULATIVE PERCENTAGE DISTRIBUTION OF SERUM IRON VALUES FOR PERSONS AGED 60 AND OVER BY RACE FOR INCOME LEVELS: UNITED STATES, 1971-72 (HANES PRELIMINARY)

SERUM IRON (MICRO GRAMS/100 ML)	1/TOTAL			WHITE			NEGRO		
	n	*N*		*n*	*N*		*n*	*N*	
	ALL INCOME								
TOTAL.....	1,938	20,560	100.00	1,486	18,719	100.00	435	1,791	100.00
LESS THAN 40.....	7	110	0.53	6	110	0.59	-	-	0.00
40-49.....	18	157	1.30	14	140	1.33	4	17	0.94
50-59.....	36	357	3.03	30	343	3.17	6	14	1.70
60-69.....	107	1,095	8.36	77	985	8.43	27	96	7.06
70-79.....	162	1,596	16.12	110	1,355	15.66	51	240	20.48
80-89.....	222	2,143	26.55	147	1,782	25.18	72	355	40.27
90-99.....	264	2,961	40.95	195	2,707	39.64	68	253	54.39
100-109.....	253	2,842	54.77	189	2,638	53.74	63	202	65.69
110-119.....	248	2,540	67.12	201	2,349	66.28	43	170	75.17
120-129.....	190	1,938	76.55	155	1,774	75.76	35	164	84.35
130-139.....	148	1,591	84.29	130	1,465	83.59	18	125	91.36
140-149.....	108	1,216	90.20	92	1,159	89.78	16	57	94.54
150-159.....	62	654	93.39	50	626	93.12	10	27	96.03
160-179.....	64	727	96.92	52	693	96.83	11	32	97.82
180-199.....	28	465	99.18	21	436	99.16	7	29	99.44
200-219.....	8	76	99.55	7	73	99.55	1	3	99.62
GREATER THAN 219.....	13	92	100.00	10	85	100.00	3	7	100.00

1/TOTAL INCLUDES ALL RACES.
NOTE: *n*=EXAMINED PERSONS, *N*=ESTIMATED POPULATION IN THOUSANDS.

TABLE 54. CUMULATIVE PERCENTAGE DISTRIBUTION OF SERUM IRON VALUES FOR PERSONS AGED 60 AND OVER BY RACE FOR INCOME LEVELS: UNITED STATES, 1971-72 (HANES PRELIMINARY)-CON.

SERUM IRON (MICRO GRAMS/100 ML)	1/TOTAL			WHITE			NEGRO		
	n	*N*		*n*	*N*		*n*	*N*	
	2/INCOME BELOW POVERTY LEVEL								
TOTAL.....	484	3,113	100.00	292	2,397	100.00	191	714	100.00
LESS THAN 40.....	-	-	0.00	-	-	0.00	-	-	0.00
40-49.....	3	24	0.77	1	10	0.43	2	14	1.90
50-59.....	11	127	4.85	9	123	5.56	2	4	2.51
60-69.....	35	236	12.42	17	166	12.46	18	70	12.32
70-79.....	53	399	25.26	26	291	24.60	27	108	27.50
80-89.....	67	332	35.93	41	237	34.50	26	95	40.78
90-99.....	70	436	49.95	38	311	47.48	31	124	58.15
100-109.....	69	533	67.09	39	451	66.31	30	82	69.67
110-119.....	52	301	76.76	35	235	76.09	17	66	78.95
120-129.....	42	221	83.85	29	183	83.72	13	38	84.27
130-139.....	26	146	88.53	19	118	88.65	7	27	88.10
140-149.....	18	112	92.13	14	77	91.88	4	35	92.97
150-159.....	15	84	94.83	10	72	94.88	5	12	94.68
160-179.....	13	103	98.14	9	84	98.40	4	18	97.27
180-199.....	6	33	99.19	3	17	99.10	3	16	99.49
200-219.....	2	21	99.88	2	21	100.00	-	-	99.49
GREATER THAN 219.....	2	4	100.00	-	-	100.00	2	4	100.00
	2/INCOME ABOVE POVERTY LEVEL								
TOTAL.....	1,331	15,949	100.00	1,104	14,996	100.00	212	906	100.00
LESS THAN 40.....	7	110	0.69	6	110	0.73	-	-	0.00
40-49.....	15	133	1.52	13	130	1.60	2	3	0.36
50-59.....	24	225	2.93	20	216	3.03	4	9	1.38
60-69.....	64	674	7.16	53	636	7.27	8	24	4.05
70-79.....	99	1,082	13.94	77	966	13.71	21	115	16.71
80-89.....	142	1,707	24.64	96	1,461	23.45	44	241	43.33
90-99.....	181	2,427	39.86	150	2,316	38.90	31	111	55.60
100-109.....	164	1,948	52.08	135	1,850	51.23	28	97	66.32
110-119.....	182	2,090	65.18	155	1,970	64.36	23	99	77.22
120-129.....	133	1,570	75.02	116	1,489	74.29	17	81	86.20
130-139.....	112	1,314	83.26	102	1,245	82.59	10	69	93.85
140-149.....	79	985	89.44	71	971	89.07	8	15	95.48
150-159.....	45	556	92.93	39	544	92.70	4	10	96.57
160-179.....	48	604	96.72	41	591	96.64	6	11	97.84
180-199.....	21	396	99.20	17	383	99.19	4	13	99.29
200-219.....	6	55	99.55	5	52	99.54	1	3	99.65
GREATER THAN 219.....	9	72	100.00	8	69	100.00	1	3	100.00

1/TOTAL INCLUDES ALL RACES.
2/EXCLUDES PERSONS WITH UNKNOWN INCOME.
NOTE: *n*=EXAMINED PERSONS, *N*=ESTIMATED POPULATION IN THOUSANDS.

TABLE 55. CUMULATIVE PERCENTAGE DISTRIBUTION OF TRANSFERRIN SATURATION VALUES FOR PERSONS AGED 1-5 BY RACE FOR INCOME LEVELS: UNITED STATES, 1971-72 (HANES PRELIMINARY)

TRANSFERRIN SATURATION (PERCENT)	1/TOTAL			WHITE			NEGRO		
	n	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT
	ALL INCOME								
TOTAL.....	1,489	16,877	100.00	986	14,193	100.00	489	2,570	100.00
LESS THAN 5.0.....	4	61	0.36	4	61	0.43	-	-	0.00
5.0-9.9.....	36	366	2.53	17	226	2.02	19	140	5.45
10.0-10.9.....	14	175	3.56	7	135	2.97	7	40	7.02
11.0-11.9.....	12	186	4.67	9	168	4.15	3	18	7.72
12.0-12.9.....	24	169	5.67	11	108	4.92	13	61	10.09
13.0-13.9.....	51	441	8.28	27	366	7.50	22	58	12.36
14.0-14.9.....	47	383	10.55	13	218	9.03	34	165	18.79
15.0-15.9.....	46	468	13.33	31	383	11.73	15	86	22.12
16.0-16.9.....	24	253	14.83	18	229	13.34	5	22	22.96
17.0-17.9.....	53	589	18.31	33	468	16.64	20	121	27.66
18.0-18.9.....	44	618	21.98	29	558	20.57	15	60	30.00
19.0-19.9.....	46	577	25.40	28	474	23.92	17	101	33.92
20.0-24.9.....	258	2,977	43.04	173	2,481	41.39	84	495	53.18
25.0-29.9.....	233	2,873	60.06	170	2,594	59.67	63	278	64.01
30.0-34.9.....	223	2,377	74.14	158	1,999	73.75	59	324	76.61
35.0-39.9.....	164	1,887	85.32	117	1,600	85.03	44	249	86.29
40.0-44.9.....	87	1,121	91.96	61	963	91.82	26	158	92.43
45.0-49.9.....	64	659	95.87	44	577	95.88	20	83	95.65
50.0-59.9.....	43	519	98.95	29	459	99.11	14	60	97.98
60.0-69.9.....	12	129	99.71	6	111	99.89	6	18	98.68
70.0-79.9.....	3	34	99.91	-	-	99.89	3	34	100.00
80.0-89.9.....	1	15	100.00	1	15	100.00	-	-	100.00
GREATER THAN 89.9.....	-	-	100.00	-	-	100.00	-	-	100.00

1/TOTAL INCLUDES ALL RACES.
NOTE: *n*=EXAMINED PERSONS, *N*=ESTIMATED POPULATION IN THOUSANDS.

TABLE 55. CUMULATIVE PERCENTAGE DISTRIBUTION OF TRANSFERRIN SATURATION VALUES FOR PERSONS AGED 1-5 BY RACE FOR INCOME LEVELS: UNITED STATES, 1971-72 (HANES PRELIMINARY)-CON.

TRANSFERRIN SATURATION (PERCENT)	1/TOTAL			WHITE			NEGRO		
	n	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT
	2/INCOME BELOW POVERTY LEVEL								
TOTAL	448	3,183	100.00	180	1,915	100.00	265	1,252	100.00
LESS THAN 5.0	2	4	0.13	2	4	0.22	-	-	0.00
5.0-9.9	14	139	4.51	4	60	3.37	10	79	6.31
10.0-10.9	3	21	5.18	-	-	3.37	3	21	8.01
11.0-11.9	3	10	5.49	2	7	3.75	1	2	8.21
12.0-12.9	12	57	7.28	5	39	5.77	7	18	9.68
13.0-13.9	19	78	9.74	6	41	7.91	12	33	12.28
14.0-14.9	20	140	14.14	4	96	12.90	16	44	15.83
15.0-15.9	23	113	17.69	12	73	16.71	11	40	19.03
16.0-16.9	6	26	18.49	2	7	17.05	4	19	20.54
17.0-17.9	16	129	22.53	5	73	20.89	11	55	24.96
18.0-18.9	14	51	24.13	6	23	22.07	8	28	27.22
19.0-19.9	12	91	26.99	4	24	23.33	8	67	32.55
20.0-24.9	87	602	45.91	37	365	42.40	50	237	51.50
25.0-29.9	52	404	58.59	21	245	55.19	31	159	64.18
30.0-34.9	70	503	74.38	31	282	69.91	38	219	81.66
35.0-39.9	37	302	83.85	13	161	78.33	23	131	92.09
40.0-44.9	25	268	92.28	14	223	89.97	11	45	95.72
45.0-49.9	17	84	94.92	8	64	93.34	9	19	97.28
50.0-59.9	14	158	99.89	4	128	100.00	10	31	99.73
60.0-69.9	2	3	100.00	-	-	100.00	2	3	100.00
70.0-79.9	-	-	100.00	-	-	100.00	-	-	100.00
80.0-89.9	-	-	100.00	-	-	100.00	-	-	100.00
GREATER THAN 89.9	-	-	100.00	-	-	100.00	-	-	100.00
	2/INCOME ABOVE POVERTY LEVEL								
TOTAL	1,010	13,344	100.00	791	12,019	100.00	208	1,229	100.00
LESS THAN 5.0	2	56	0.42	2	56	0.47	-	-	0.00
5.0-9.9	20	215	2.04	13	165	1.84	7	50	4.06
10.0-10.9	11	154	3.19	7	135	2.97	4	19	5.61
11.0-11.9	9	177	4.51	7	161	4.31	2	16	6.88
12.0-12.9	12	112	5.35	6	70	4.89	6	42	10.34
13.0-13.9	31	358	8.03	20	321	7.56	10	26	12.43
14.0-14.9	26	241	9.84	9	122	8.57	17	119	22.11
15.0-15.9	22	353	12.49	19	310	11.15	3	44	25.68
16.0-16.9	18	228	14.20	16	223	13.00	1	3	25.90
17.0-17.9	37	460	17.64	28	394	16.28	9	65	31.23
18.0-18.9	29	565	21.88	23	536	20.74	6	29	33.62
19.0-19.9	33	468	25.39	23	432	24.34	9	34	36.39
20.0-24.9	169	2,350	43.00	135	2,093	41.75	33	257	57.30
25.0-29.9	177	2,443	61.31	148	2,333	61.16	29	110	66.29
30.0-34.9	147	1,790	74.72	124	1,662	74.99	18	75	72.37
35.0-39.9	123	1,514	86.07	101	1,372	86.40	20	115	81.70
40.0-44.9	57	772	91.85	43	673	92.00	14	98	89.72
45.0-49.9	46	562	96.06	36	512	96.27	10	50	93.76
50.0-59.9	28	352	98.70	24	323	98.95	4	29	96.14
60.0-69.9	9	125	99.63	6	111	99.87	3	14	97.24
70.0-79.9	3	34	99.89	-	-	99.87	3	34	100.00
80.0-89.9	1	15	100.00	1	15	100.00	-	-	100.00
GREATER THAN 89.9	-	-	100.00	-	-	100.00	-	-	100.00

1/TOTAL INCLUDES ALL RACES.
2/EXCLUDES PERSONS WITH UNKNOWN INCOME.
NOTE: *n*=EXAMINED PERSONS, *N*=ESTIMATED POPULATION IN THOUSANDS.

TABLE 56. CUMULATIVE PERCENTAGE DISTRIBUTION OF TRANSFERRIN SATURATION VALUES FOR PERSONS AGED 12-17 BY SEX, RACE, AND INCOME LEVEL: UNITED STATES, 1971-72 (HANES PRELIMINARY)

	TRANSFERRIN SATURATION (PERCENT)	MALE			FEMALE		
		n	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT
1	TOTAL	517	12,508	100.00	528	12,239	100.00
2	LESS THAN 5.0	-	-	0.00	-	-	0.00
3	5.0-9.9	2	40	0.32	4	52	0.43
4	10.0-10.9	2	29	0.55	4	58	0.90
5	11.0-11.9	3	58	1.01	9	240	2.86
6	12.0-12.9	2	6	1.06	6	119	3.83
7	13.0-13.9	3	52	1.47	4	78	4.48
8	14.0-14.9	3	23	1.66	5	100	5.29
9	15.0-15.9	3	58	2.12	7	99	6.10
10	16.0-16.9	2	71	2.69	9	182	7.59
11	17.0-17.9	7	108	3.55	14	236	9.51
12	18.0-18.9	8	294	5.90	11	273	11.74
13	19.0-19.9	6	220	7.66	8	134	12.83
14	20.0-24.9	71	1,679	21.09	97	2,363	32.14
15	25.0-29.9	100	2,302	39.49	111	2,636	53.68
16	30.0-34.9	99	2,438	58.99	78	1,854	68.82
17	35.0-39.9	90	2,285	77.26	70	1,596	81.87
18	40.0-44.9	43	1,171	86.62	42	1,054	90.48
19	45.0-49.9	41	935	94.10	23	482	94.42
20	50.0-59.9	18	395	97.25	17	559	98.99
21	60.0-69.9	9	224	99.04	6	114	99.92
22	70.0-79.9	2	58	99.50	3	10	100.00
23	80.0-89.9	-	-	99.50	-	-	100.00
24	GREATER THAN 89.9	3	62	100.00	-	-	100.00

NOTE: *n*=EXAMINED PERSONS, *N*=ESTIMATED POPULATION IN THOUSANDS.

TABLE 56. CUMULATIVE PERCENTAGE DISTRIBUTION OF TRANSFERRIN SATURATION VALUES FOR PERSONS AGED 12-17 BY SEX, RACE, AND INCOME LEVEL: UNITED STATES, 1971-72 (HANES PRELIMINARY)-CON.

WHITE			NEGRO			INCOME BELOW POVERTY LEVEL			INCOME ABOVE POVERTY LEVEL			
n	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT	
708	21,051	100.00	326	3,432	100.00	264	3,626	100.00	732	19,694	100.00	1
-	-	0.00	-	-	0.00	-	-	0.00	-	-	0.00	2
1	27	0.13	5	65	1.89	6	92	2.53	-	-	0.00	3
6	87	0.54	-	-	1.89	-	-	2.53	6	87	0.44	4
9	275	1.84	3	23	2.56	4	31	3.39	8	267	1.79	5
5	115	2.39	3	11	2.88	2	12	3.72	5	104	2.32	6
4	97	2.85	3	33	3.84	2	53	5.18	5	77	2.72	7
4	90	3.28	4	34	4.83	2	14	5.57	6	109	3.27	8
7	136	3.92	3	21	5.44	3	21	6.14	6	127	3.92	9
8	166	4.71	3	86	7.95	3	49	7.48	8	204	4.95	10
9	232	5.81	12	112	11.21	10	109	10.49	9	222	6.08	11
12	439	7.90	7	127	14.92	6	103	13.32	11	395	8.08	12
11	330	9.47	3	24	15.61	5	64	15.08	9	290	9.56	13
114	3,539	26.28	51	411	27.57	39	433	27.01	119	3,253	26.07	14
136	4,064	45.59	71	751	49.45	58	856	50.62	143	3,821	45.47	15
129	3,913	64.18	47	377	60.44	37	653	68.63	132	3,464	63.06	16
101	3,169	79.23	57	671	79.98	44	566	84.23	108	3,108	78.85	17
61	1,837	87.96	23	382	91.11	18	251	91.15	66	1,929	88.64	18
47	1,228	93.79	17	190	96.64	13	170	95.85	47	1,152	94.49	19
28	900	98.07	7	53	98.19	8	131	99.47	25	636	97.72	20
12	321	99.60	3	17	98.67	2	14	99.85	13	324	99.36	21
3	60	99.88	2	9	98.92	1	2	99.90	4	67	99.70	22
-	-	99.88	-	-	98.92	-	-	99.90	-	-	99.70	23
1	25	100.00	2	37	100.00	1	4	100.00	2	59	100.00	24

TABLE 57. CUMULATIVE PERCENTAGE DISTRIBUTION OF TRANSFERRIN SATURATION VALUES FOR PERSONS AGED 18-44 BY SEX AND RACE FOR INCOME LEVELS: UNITED STATES, 1971-72 (HANES PRELIMINARY)

	TRANSFERRIN SATURATION (PERCENT)	TOTAL			MALE			FEMALE		
		n	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT
		ALL INCOME								
1	TOTAL.....	3,444	71,474	100.00	1,038	34,341	100.00	2,406	37,134	100.00
2	LESS THAN 5.0.....	-	-	0.00	-	-	0.00	-	-	0.00
3	5.0-9.9.....	35	522	0.73	1	2	0.01	34	520	1.40
4	10.0-10.9.....	7	127	0.91	-	-	0.01	7	127	1.74
5	11.0-11.9.....	28	337	1.38	1	52	0.16	27	285	2.51
6	12.0-12.9.....	17	264	1.75	1	10	0.19	16	254	3.19
7	13.0-13.9.....	25	367	2.26	4	29	0.27	21	337	4.10
8	14.0-14.9.....	31	460	2.90	-	-	0.27	31	460	5.34
9	15.0-15.9.....	35	636	3.79	5	123	0.63	30	513	6.72
10	16.0-16.9.....	57	893	5.04	11	162	1.11	46	731	8.69
11	17.0-17.9.....	56	963	6.39	9	369	2.18	47	594	10.29
12	18.0-18.9.....	69	1,350	8.28	17	595	3.91	52	754	12.32
13	19.0-19.9.....	78	1,254	10.03	9	363	4.97	69	892	14.72
14	20.0-24.9.....	502	9,512	23.34	123	3,537	15.27	379	5,975	30.81
15	25.0-29.9.....	591	13,183	41.79	179	6,539	34.31	412	6,645	48.71
16	30.0-34.9.....	568	12,071	58.68	191	6,201	52.36	377	5,871	64.52
17	35.0-39.9.....	499	10,994	74.06	180	6,130	70.21	319	4,864	77.61
18	40.0-44.9.....	320	7,626	84.73	121	4,454	83.18	199	3,172	86.16
19	45.0-49.9.....	217	4,166	90.56	73	2,070	89.21	144	2,095	91.80
20	50.0-59.9.....	210	4,578	96.96	73	2,403	96.21	137	2,175	97.66
21	60.0-69.9.....	62	1,422	98.95	22	816	98.59	40	607	99.29
22	70.0-79.9.....	25	475	99.62	11	280	99.40	14	196	99.82
23	80.0-89.9.....	9	250	99.97	5	188	99.95	4	62	99.98
24	GREATER THAN 89.9.....	3	24	100.00	2	17	100.00	1	6	100.00

NOTE: *n*=EXAMINED PERSONS, *N*=ESTIMATED POPULATION IN THOUSANDS.

TABLE 57. CUMULATIVE PERCENTAGE DISTRIBUTION OF TRANSFERRIN SATURATION VALUES FOR PERSONS AGED 18-44 BY SEX AND RACE FOR INCOME LEVELS: UNITED STATES, 1971-72 (HANES PRELIMINARY)-CON.

WHITE MALE			WHITE FEMALE			NEGRO MALE			NEGRO FEMALE			
n	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT	
ALL INCOME												
808	30,458	100.00	1,758	32,342	100.00	211	3,440	100.00	618	4,541	100.00	1
-	-	0.00	-	-	0.00	-	-	0.00	-	-	0.00	2
1	2	0.01	28	496	1.53	-	-	0.00	6	24	0.52	3
-	-	0.01	5	120	1.91	-	-	0.00	2	6	0.66	4
1	52	0.18	19	246	2.66	-	-	0.00	8	39	1.52	5
1	10	0.21	10	194	3.26	-	-	0.00	6	60	2.85	6
1	11	0.25	18	329	4.28	3	18	0.52	3	9	3.05	7
-	-	0.25	19	344	5.34	-	-	0.52	11	109	5.44	8
5	123	0.65	15	345	6.41	-	-	0.52	14	167	9.11	9
8	138	1.11	34	684	8.52	3	24	1.23	11	45	10.10	10
8	363	2.30	28	435	9.87	1	6	1.39	19	160	13.62	11
14	574	4.18	38	688	12.00	3	21	2.01	14	66	15.07	12
7	278	5.10	49	723	14.23	1	79	4.30	18	161	18.63	13
97	3,343	16.07	274	5,195	30.29	25	191	9.86	100	732	34.75	14
140	5,742	34.93	291	5,578	47.54	37	788	32.78	114	1,014	57.07	15
135	5,237	52.12	269	5,104	63.32	54	935	59.96	104	742	73.41	16
135	5,224	69.27	242	4,441	77.05	37	632	78.34	73	391	82.03	17
102	4,054	82.58	149	2,691	85.37	17	329	87.90	48	456	92.08	18
55	1,773	88.40	115	1,910	91.27	15	244	95.00	29	186	96.17	19
63	2,279	95.89	109	2,024	97.53	10	124	98.62	26	119	98.78	20
19	774	98.43	31	545	99.22	3	42	99.83	8	44	99.76	21
10	277	99.34	11	187	99.80	1	2	99.89	3	8	99.94	22
4	184	99.94	3	59	99.98	1	4	100.00	1	3	100.00	23
2	17	100.00	1	6	100.00	-	-	100.00	-	-	100.00	24

TABLE 57. CUMULATIVE PERCENTAGE DISTRIBUTION OF TRANSFERRIN SATURATION VALUES FOR PERSONS AGED 18-44 BY SEX AND RACE FOR INCOME LEVELS: UNITED STATES, 1971-72 (HANES PRELIMINARY)-CON.

	TRANSFERRIN SATURATION (PERCENT)	TOTAL			MALE			FEMALE		
		n	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT
		2/INCOME BELOW POVERTY LEVEL								
1	TOTAL.....	591	6,790	100.00	128	2,538	100.00	463	4,252	100.00
2	LESS THAN 5.0.....	-	-	0.00	-	-	0.00	-	-	0.00
3	5.0-9.9.....	10	53	0.78	-	-	0.00	10	53	1.25
4	10.0-10.9.....	2	12	0.96	-	-	0.00	2	12	1.54
5	11.0-11.9.....	9	29	1.40	-	-	0.00	9	29	2.23
6	12.0-12.9.....	8	76	2.51	1	10	0.41	7	66	3.77
7	13.0-13.9.....	4	20	2.81	3	18	1.11	1	2	3.82
8	14.0-14.9.....	8	104	4.34	-	-	1.11	8	104	6.27
9	15.0-15.9.....	5	43	4.97	-	-	1.11	5	43	7.28
10	16.0-16.9.....	7	47	5.66	1	17	1.79	6	30	7.97
11	17.0-17.9.....	16	125	7.50	1	10	2.20	15	114	10.66
12	18.0-18.9.....	16	121	9.28	3	24	3.14	13	97	12.94
13	19.0-19.9.....	17	193	12.12	1	17	3.82	16	176	17.08
14	20.0-24.9.....	105	1,192	29.68	16	186	11.16	89	1,005	40.73
15	25.0-29.9.....	106	1,165	46.84	17	298	22.89	89	868	61.14
16	30.0-34.9.....	92	1,083	62.79	24	456	40.86	68	627	75.88
17	35.0-39.9.....	74	1,024	77.88	27	644	66.24	47	380	84.82
18	40.0-44.9.....	32	488	85.07	10	315	78.63	22	174	88.91
19	45.0-49.9.....	32	412	91.14	7	211	86.97	25	201	93.63
20	50.0-59.9.....	32	393	96.93	10	221	95.66	22	173	97.69
21	60.0-69.9.....	9	89	98.24	4	60	98.02	5	29	98.38
22	70.0-79.9.....	6	111	99.87	3	50	100.00	3	60	99.80
23	80.0-89.9.....	1	9	100.00	-	-	100.00	1	9	100.00
24	GREATER THAN 89.9.....	-	-	100.00	-	-	100.00	-	-	100.00
		2/INCOME ABOVE POVERTY LEVEL								
1	TOTAL.....	2,700	61,847	100.00	866	30,482	100.00	1,834	31,365	100.00
2	LESS THAN 5.0.....	-	-	0.00	-	-	0.00	-	-	0.00
3	5.0-9.9.....	24	465	0.75	1	2	0.01	23	463	1.48
4	10.0-10.9.....	5	114	0.94	-	-	0.01	5	114	1.84
5	11.0-11.9.....	19	308	1.43	1	52	0.18	18	255	2.65
6	12.0-12.9.....	8	150	1.68	-	-	0.18	8	150	3.13
7	13.0-13.9.....	21	346	2.24	1	11	0.22	20	335	4.20
8	14.0-14.9.....	22	354	2.81	-	-	0.22	22	354	5.33
9	15.0-15.9.....	28	538	3.68	5	123	0.62	23	415	6.65
10	16.0-16.9.....	50	847	5.05	10	145	1.10	40	702	8.89
11	17.0-17.9.....	37	775	6.30	7	312	2.12	30	463	10.37
12	18.0-18.9.....	50	1,223	8.28	14	572	3.99	36	651	12.44
13	19.0-19.9.....	55	953	9.82	7	294	4.96	48	660	14.55
14	20.0-24.9.....	372	7,869	22.54	96	3,011	14.83	276	4,858	30.03
15	25.0-29.9.....	464	11,531	41.19	157	5,966	34.41	307	5,565	47.78
16	30.0-34.9.....	445	10,368	57.95	159	5,571	52.68	286	4,797	63.07
17	35.0-39.9.....	404	9,582	73.44	144	5,247	69.90	260	4,334	76.89
18	40.0-44.9.....	273	6,923	84.64	109	4,084	83.30	164	2,839	85.94
19	45.0-49.9.....	177	3,639	90.52	61	1,790	89.17	116	1,849	91.84
20	50.0-59.9.....	166	3,960	96.93	61	2,111	96.09	105	1,849	97.73
21	60.0-69.9.....	51	1,304	99.03	18	756	98.57	33	548	99.48
22	70.0-79.9.....	18	332	99.57	8	229	99.33	10	103	99.81
23	80.0-89.9.....	8	242	99.96	5	188	99.94	3	53	99.98
24	GREATER THAN 89.9.....	3	24	100.00	2	17	100.00	1	6	100.00

2/EXCLUDES PERSONS WITH UNKNOWN INCOME.
NOTE: *n*=EXAMINED PERSONS, *N*=ESTIMATED POPULATION IN THOUSANDS.

TABLE 57. CUMULATIVE PERCENTAGE DISTRIBUTION OF TRANSFERRIN SATURATION VALUES FOR PERSONS AGED 18-44 BY SEX AND RACE FOR INCOME LEVELS: UNITED STATES, 1971-72 (HANES PRELIMINARY)-CON.

WHITE MALE			WHITE FEMALE			NEGRO MALE			NEGRO FEMALE			
n	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT	
2/INCOME BELOW POVERTY LEVEL												
62	1,504	100.00	205	2,679	100.00	61	936	100.00	253	1,536	100.00	1
-	-	0.00	-	-	0.00	-	-	0.00	-	-	0.00	2
-	-	0.00	6	34	1.26	-	-	0.00	4	19	1.25	3
-	-	0.00	1	9	1.58	-	-	0.00	1	4	1.50	4
-	-	0.00	5	18	2.26	-	-	0.00	4	11	2.22	5
1	10	0.69	3	12	2.72	-	-	0.00	4	53	5.69	6
-	-	0.69	-	-	2.72	3	18	1.91	1	2	5.84	7
-	-	0.69	4	88	6.02	-	-	1.91	4	16	6.86	8
-	-	0.69	1	15	6.56	-	-	1.91	3	27	8.59	9
1	17	1.84	4	20	7.32	-	-	1.91	2	9	9.20	10
1	10	2.53	7	68	9.88	-	-	1.91	8	46	12.17	11
1	10	3.22	8	79	12.83	2	13	3.34	5	18	13.35	12
1	17	4.37	6	77	15.71	-	-	3.34	10	99	19.78	13
8	104	11.27	39	679	41.07	7	80	11.89	50	326	41.00	14
8	189	23.83	39	491	59.38	9	109	23.52	47	345	63.46	15
11	287	42.94	30	448	76.09	13	169	41.55	37	177	74.95	16
13	348	66.07	20	261	85.84	12	235	66.62	27	119	82.70	17
4	186	78.42	9	75	88.62	5	100	77.30	13	99	89.13	18
2	70	83.09	10	92	92.07	4	136	91.83	15	108	96.20	19
7	186	95.45	8	126	96.78	3	35	95.54	14	46	99.22	20
1	18	96.66	2	19	97.51	3	42	100.00	3	10	99.86	21
3	50	100.00	2	58	99.68	-	-	100.00	1	2	100.00	22
-	-	100.00	1	9	100.00	-	-	100.00	-	-	100.00	23
-	-	100.00	-	-	100.00	-	-	100.00	-	-	100.00	24
2/INCOME ABOVE POVERTY LEVEL												
714	27,756	100.00	1,478	28,331	100.00	140	2,393	100.00	333	2,840	100.00	1
-	-	0.00	-	-	0.00	-	-	0.00	-	-	0.00	2
1	2	0.01	21	458	1.62	-	-	0.00	2	4	0.16	3
-	-	0.01	4	112	2.01	-	-	0.00	1	3	0.25	4
1	52	0.20	14	227	2.81	-	-	0.00	4	28	1.23	5
-	-	0.20	6	143	3.32	-	-	0.00	2	7	1.48	6
1	11	0.24	18	329	4.48	-	-	0.00	2	6	1.71	7
-	-	0.24	14	254	5.38	-	-	0.00	7	93	4.99	8
5	123	0.68	12	275	6.35	-	-	0.00	11	140	9.92	9
7	121	1.12	30	663	8.69	3	24	1.02	9	36	11.18	10
6	306	2.22	21	366	9.98	1	6	1.25	9	97	14.60	11
13	564	4.25	30	609	12.13	1	8	1.59	6	42	16.09	12
5	210	5.00	38	589	14.21	1	79	4.87	8	63	18.30	13
82	2,933	15.57	228	4,435	29.87	14	78	8.12	43	374	31.48	14
127	5,279	34.59	238	4,880	47.09	28	680	36.52	65	663	54.84	15
118	4,806	51.90	222	4,267	62.15	39	737	67.30	63	527	73.41	16
116	4,668	68.72	215	4,048	76.44	23	374	82.93	41	255	82.39	17
96	3,813	82.46	132	2,491	85.23	12	229	92.51	30	323	93.77	18
51	1,663	88.45	102	1,772	91.49	9	84	96.01	14	77	96.49	19
54	2,021	95.73	94	1,757	97.69	7	90	99.75	9	60	98.61	20
18	756	98.45	28	500	99,46	-	-	99.75	4	31	99.69	21
7	227	99.27	8	97	99.80	1	2	99.84	2	6	99.90	22
4	184	99.94	2	51	99.98	1	4	100.00	1	3	100.00	23
2	17	100.00	1	6	100.00	-	-	100.00	-	-	100.00	24

TABLE 58. CUMULATIVE PERCENTAGE DISTRIBUTION OF TRANSFERRIN SATURATION VALUES FOR PERSONS AGED 60 AND OVER BY RACE FOR INCOME LEVELS: UNITED STATES, 1971-72 (HANES PRELIMINARY)

TRANSFERRIN SATURATION (PERCENT)	1/TOTAL			WHITE			NEGRO		
	n	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT
	ALL INCOME								
TOTAL	1,938	20,560	100.00	1,486	18,719	100.00	435	1,791	100.00
LESS THAN 5.0	-	-	0.00	-	-	0.00	-	-	0.00
5.0-9.9	6	130	0.63	6	130	0.70	-	-	0.00
10.0-10.9	7	53	0.89	5	50	0.96	2	3	0.16
11.0-11.9	3	17	0.97	3	17	1.05	-	-	0.16
12.0-12.9	1	16	1.05	1	16	1.14	-	-	0.16
13.0-13.9	3	19	1.14	3	19	1.24	-	-	0.16
14.0-14.9	7	77	1.52	5	73	1.63	1	3	0.35
15.0-15.9	16	110	2.05	13	101	2.17	3	9	0.85
16.0-16.9	11	61	2.35	7	47	2.42	4	14	1.62
17.0-17.9	14	110	2.88	11	95	2.93	3	15	2.45
18.0-18.9	21	155	3.63	14	143	3.69	6	11	3.04
19.0-19.9	22	427	5.71	19	420	5.94	3	7	3.46
20.0-24.9	168	1,451	12.77	125	1,281	12.78	39	151	11.91
25.0-29.9	341	3,462	29.61	239	3,040	29.02	99	418	35.27
30.0-34.9	402	4,755	52.74	296	4,275	51.85	104	471	61.58
35.0-39.9	336	3,657	70.52	269	3,380	69.91	67	277	77.03
40.0-44.9	242	2,285	81.63	195	2,089	81.07	47	196	87.95
45.0-49.9	138	1,483	88.84	115	1,354	88.30	18	113	94.25
50.0-59.9	127	1,600	96.63	100	1,521	96.43	26	78	98.60
60.0-69.9	44	389	98.52	38	378	98.45	6	11	99.21
70.0-79.9	15	152	99.26	11	146	99.23	4	6	99.56
80.0-89.9	11	124	99.86	8	116	99.85	3	8	100.00
GREATER THAN 89.9	3	29	100.00	3	29	100.00	-	-	100.00

1/TOTAL INCLUDES ALL RACES.
NOTE: *n*=EXAMINED PERSONS, *N*=ESTIMATED POPULATION IN THOUSANDS.

TABLE 58. CUMULATIVE PERCENTAGE DISTRIBUTION OF TRANSFERRIN SATURATION VALUES FOR PERSONS AGED 60 AND OVER BY RACE FOR INCOME LEVELS: UNITED STATES, 1971-72 (HANES PRELIMINARY)-CON.

TRANSFERRIN SATURATION (PERCENT)	1/TOTAL			WHITE			NEGRO		
	n	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT
	2/INCOME BELOW POVERTY LEVEL								
TOTAL	484	3,113	100.00	292	2,397	100.00	191	714	100.00
LESS THAN 5.0	-	-	0.00	-	-	0.00	-	-	0.00
5.0-9.9	1	16	0.52	1	16	0.68	-	-	0.00
10.0-10.9	2	12	0.90	1	10	1.11	1	1	0.20
11.0-11.9	-	-	0.90	-	-	1.11	-	-	0.20
12.0-12.9	-	-	0.90	-	-	1.11	-	-	0.20
13.0-13.9	-	-	0.90	-	-	1.11	-	-	0.20
14.0-14.9	-	-	0.90	-	-	1.11	-	-	0.20
15.0-15.9	8	56	2.70	6	49	3.16	2	7	1.17
16.0-16.9	6	45	4.14	3	33	4.52	3	12	2.87
17.0-17.9	3	14	4.58	1	3	4.66	2	10	4.29
18.0-18.9	5	11	4.92	3	8	4.99	2	3	4.67
19.0-19.9	8	138	9.35	6	132	10.48	2	6	5.54
20.0-24.9	53	332	20.01	33	250	20.92	20	82	17.00
25.0-29.9	105	678	41.80	61	518	42.54	44	160	39.35
30.0-34.9	102	725	65.09	54	528	64.59	47	196	66.73
35.0-39.9	72	403	78.02	50	323	78.08	22	79	77.82
40.0-44.9	51	266	86.58	28	199	86.38	23	67	87.25
45.0-49.9	31	174	92.18	23	120	91.39	8	54	94.80
50.0-59.9	23	142	96.75	14	116	96.21	9	27	98.55
60.0-69.9	6	42	98.10	5	40	97.89	1	2	98.80
70.0-79.9	6	40	99.37	2	33	99.28	4	6	99.68
80.0-89.9	2	20	100.00	1	17	100.00	1	2	100.00
GREATER THAN 89.9	-	-	100.00	-	-	100.00	-	-	100.00
	2/INCOME ABOVE POVERTY LEVEL								
TOTAL	1,331	15,949	100.00	1,104	14,996	100.00	212	906	100.00
LESS THAN 5.0	-	-	0.00	-	-	0.00	-	-	0.00
5.0-9.9	5	114	0.72	5	114	0.76	-	-	0.00
10.0-10.9	5	41	0.97	4	40	1.02	1	1	0.16
11.0-11.9	3	17	1.08	3	17	1.14	-	-	0.16
12.0-12.9	1	16	1.18	1	16	1.24	-	-	0.16
13.0-13.9	3	19	1.30	3	19	1.37	-	-	0.16
14.0-14.9	7	77	1.78	5	73	1.86	1	3	0.54
15.0-15.9	7	46	2.07	6	44	2.15	1	2	0.76
16.0-16.9	5	16	2.17	4	14	2.24	1	2	0.95
17.0-17.9	10	92	2.74	10	92	2.86	-	-	0.95
18.0-18.9	16	144	3.65	11	135	3.76	4	8	1.82
19.0-19.9	13	190	4.83	12	188	5.02	1	1	1.96
20.0-24.9	100	958	10.84	79	881	10.89	17	58	8.32
25.0-29.9	216	2,563	26.91	164	2,322	26.38	50	239	34.71
30.0-34.9	275	3,627	49.66	224	3,387	48.96	50	232	60.29
35.0-39.9	244	3,072	68.92	208	2,915	68.40	36	158	77.68
40.0-44.9	171	1,830	80.40	150	1,705	79.77	21	125	91.51
45.0-49.9	99	1,222	88.06	88	1,193	87.73	6	13	92.96
50.0-59.9	98	1,405	96.87	81	1,355	96.76	16	49	98.38
60.0-69.9	36	329	98.93	31	320	98.90	5	9	99.38
70.0-79.9	7	80	99.43	7	80	99.43	-	-	99.38
80.0-89.9	7	62	99.82	5	56	99.81	2	6	100.00
GREATER THAN 89.9	3	29	100.00	3	29	100.00	-	-	100.00

1/TOTAL INCLUDES ALL RACES.
2/EXCLUDES PERSONS WITH UNKNOWN INCOME.
NOTE: *n*=EXAMINED PERSONS, *N*=ESTIMATED POPULATION IN THOUSANDS.

TABLE 59. CUMULATIVE PERCENTAGE DISTRIBUTION OF SERUM PROTEIN VALUES FOR PERSONS AGED 1-5 BY RACE FOR INCOME LEVELS: UNITED STATES, 1971-72 (HANES PRELIMINARY)

SERUM PROTEIN (GMS/100 ML)	1/TOTAL			WHITE			NEGRO		
	n	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT
	ALL INCOME								
TOTAL.....	1,489	16,877	100.00	986	14,193	100.00	489	2,570	100.00
LESS THAN 5.0.....	6	40	0.24	2	24	0.17	4	16	0.63
5.0-5.4.....	11	159	1.18	8	131	1.10	3	27	1.70
5.5-5.9.....	47	770	5.74	39	713	6.12	7	46	3.50
6.0.....	21	280	7.40	18	273	8.05	3	7	3.76
6.1.....	37	380	9.65	24	336	10.42	11	23	4.64
6.2.....	39	443	12.28	29	391	13.17	9	39	6.16
6.3.....	56	888	17.54	46	763	18.55	10	125	11.04
6.4.....	110	1,375	25.69	77	1,182	26.87	31	176	17.91
6.5.....	103	1,427	34.14	82	1,279	35.89	21	147	23.64
6.6.....	144	1,603	43.64	83	1,304	45.07	61	299	35.29
6.7.....	129	1,411	52.00	102	1,286	54.13	25	98	39.11
6.8.....	151	1,465	60.68	104	1,191	62.53	44	253	48.94
6.9.....	106	1,169	67.61	75	1,000	69.57	30	167	55.44
7.0-7.4.....	417	4,344	93.35	236	3,449	93.87	180	894	90.24
7.5-7.9.....	91	907	98.72	51	688	98.72	39	217	98.69
8.0-8.4.....	13	113	99.39	5	86	99.32	8	27	99.75
8.5-8.9.....	4	31	99.57	2	27	99.51	2	4	99.89
9.0-9.4.....	1	10	99.64	1	10	99.59	-	-	99.89
GREATER THAN 9.4.....	3	62	100.00	2	59	100.00	1	3	100.00

1/TOTAL INCLUDES ALL RACES.
NOTE: *n*=EXAMINED PERSONS, *N*=ESTIMATED POPULATION IN THOUSANDS.

TABLE 59. CUMULATIVE PERCENTAGE DISTRIBUTION OF SERUM PROTEIN VALUES FOR PERSONS AGED 1-5 BY RACE FOR INCOME LEVELS: UNITED STATES, 1971-72 (HANES PRELIMINARY)-CON.

SERUM PROTEIN (GMS/100 ML)	1/TOTAL			WHITE			NEGRO		
	n	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT
	2/INCOME BELOW POVERTY LEVEL								
TOTAL	448	3,183	100.00	180	1,915	100.00	265	1,252	100.00
LESS THAN 5.0	2	5	0.14	-	-	0.00	2	5	0.36
5.0-5.4	2	5	0.29	1	3	0.14	1	2	0.52
5.5-5.9	5	89	3.09	3	64	3.46	2	26	2.57
6.0	4	38	4.29	2	34	5.21	2	5	2.95
6.1	9	62	6.26	4	52	7.95	5	10	3.76
6.2	12	116	9.92	8	91	12.69	4	26	5.80
6.3	8	76	12.31	3	40	14.77	5	37	8.72
6.4	29	325	22.52	14	243	27.43	14	77	14.91
6.5	19	132	26.66	12	77	31.48	7	55	19.27
6.6	42	297	35.98	17	198	41.81	25	99	27.16
6.7	32	177	41.54	12	109	47.52	19	58	31.78
6.8	51	303	51.06	23	139	54.80	27	162	44.69
6.9	34	213	57.76	16	133	61.76	18	80	51.08
7.0-7.4	156	1,111	92.68	55	677	97.14	101	434	85.75
7.5-7.9	35	207	99.19	9	53	99.92	26	154	98.07
8.0-8.4	6	22	99.88	1	2	100.00	5	20	99.70
8.5-8.9	2	4	100.00	-	-	100.00	2	4	100.00
9.0-9.4	-	-	100.00	-	-	100.00	-	-	100.00
GREATER THAN 9.4	-	-	100.00	-	-	100.00	-	-	100.00
	2/INCOME ABOVE POVERTY LEVEL								
TOTAL	1,010	13,344	100.00	791	12,019	100.00	208	1,229	100.00
LESS THAN 5.0	4	36	0.27	2	24	0.20	2	12	0.94
5.0-5.4	8	141	1.33	7	129	1.27	1	12	1.95
5.5-5.9	40	669	6.34	35	640	6.59	4	18	3.43
6.0	17	242	8.15	16	240	8.59	1	2	3.60
6.1	28	317	10.53	20	284	10.95	6	13	4.62
6.2	25	316	12.90	20	291	13.38	4	12	5.58
6.3	47	798	18.87	42	709	19.28	5	89	12.81
6.4	79	1,012	26.46	61	902	26.78	17	99	20.87
6.5	82	1,279	36.04	70	1,202	36.78	12	76	27.09
6.6	101	1,306	45.82	66	1,106	45.98	35	200	43.34
6.7	95	1,201	54.82	88	1,143	55.49	6	40	46.62
6.8	98	1,130	63.28	79	1,020	63.98	17	91	54.02
6.9	71	954	70.43	59	867	71.19	11	85	60.92
7.0-7.4	249	3,111	93.74	177	2,700	93.66	71	410	94.26
7.5-7.9	53	645	98.58	40	582	98.50	12	61	99.22
8.0-8.4	7	91	99.26	4	84	99.20	3	7	99.77
8.5-8.9	2	27	99.46	2	27	99.42	-	-	99.77
9.0-9.4	1	10	99.54	1	10	99.51	-	-	99.77
GREATER THAN 9.4	3	62	100.00	2	59	100.00	1	3	100.00

1/TOTAL INCLUDES ALL RACES.
2/EXCLUDES PERSONS WITH UNKNOWN INCOME.
NOTE: *n*=EXAMINED PERSONS, *N*=ESTIMATED POPULATION IN THOUSANDS.

TABLE 60. CUMULATIVE PERCENTAGE DISTRIBUTION OF SERUM PROTEIN VALUES FOR PERSONS AGED 18-44 BY SEX AND RACE FOR INCOME LEVELS: UNITED STATES, 1971-72 (HANES PRELIMINARY)

	SERUM PROTEIN (GMS/100 ML)	TOTAL			MALE			FEMALE		
		n	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT
		ALL INCOME								
1	TOTAL.....	3,444	71,474	100.00	1,038	34,341	100.00	2,406	37,134	100.00
2	LESS THAN 5.0.....	6	212	0.30	3	163	0.47	3	50	0.13
3	5.0-5.4.....	16	321	0.75	3	85	0.72	13	236	0.77
4	5.5-5.9.....	55	1,089	2.27	8	235	1.41	47	854	3.07
5	6.0.....	22	546	3.03	8	310	2.31	14	236	3.70
6	6.1.....	33	624	3.91	7	212	2.93	26	412	4.81
7	6.2.....	50	964	5.26	11	304	3.81	39	659	6.59
8	6.3.....	57	1,306	7.08	14	513	5.31	43	793	8.72
9	6.4.....	92	1,657	9.40	20	386	6.43	72	1,271	12.15
10	6.5.....	96	2,029	12.24	27	1,078	9.57	69	950	14.71
11	6.6.....	132	2,764	16.11	28	994	12.47	104	1,770	19.47
12	6.7.....	146	3,511	21.02	37	1,406	16.56	109	2,104	25.14
13	6.8.....	234	5,285	28.41	60	2,487	23.80	174	2,798	32.68
14	6.9.....	202	4,153	34.22	55	1,949	29.48	147	2,204	38.61
15	7.0-7.4.....	1,311	26,693	71.57	431	13,550	68.93	880	13,143	74.00
16	7.5-7.9.....	716	15,263	92.92	236	8,103	92.53	480	7,161	93.29
17	8.0-8.4.....	211	3,843	98.30	66	1,966	98.25	145	1,877	98.34
18	8.5-8.9.....	49	948	99.63	19	426	99.49	30	522	99.75
19	9.0-9.4.....	9	169	99.86	3	113	99.82	6	56	99.90
20	GREATER THAN 9.4.....	7	99	100.00	2	61	100.00	5	38	100.00

NOTE: *n*=EXAMINED PERSONS, *N*=ESTIMATED POPULATION IN THOUSANDS.

TABLE 60. CUMULATIVE PERCENTAGE DISTRIBUTION OF SERUM PROTEIN VALUES FOR PERSONS AGED 18-44 BY SEX AND RACE FOR INCOME LEVELS: UNITED STATES, 1971-72 (HANES PRLIMINARY)-CON.

WHITE MALE			WHITE FEMALE			NEGRO MALE			NEGRO FEMALE			
n	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT	
ALL INCOME												
808	30,458	100.00	1,758	32,342	100.00	211	3,440	100.00	618	4,541	100.00	1
3	163	0.53	2	38	0.12	-	-	0.00	1	11	0.25	2
3	85	0.81	11	232	0.84	-	-	0.00	2	4	0.34	3
6	227	1.56	37	766	3.20	2	8	0.25	9	57	1.59	4
6	297	2.53	13	233	3.92	2	13	0.63	1	3	1.65	5
6	207	3.21	20	391	5.13	1	5	0.77	6	21	2.12	6
8	284	4.15	34	594	6.97	3	21	1.37	5	65	3.55	7
12	465	5.67	38	756	9.31	2	48	2.76	5	37	4.36	8
15	331	6.76	63	1,157	12.89	4	28	3.58	9	114	6.87	9
23	995	10.02	54	873	15.58	4	84	6.02	14	60	8.19	10
24	965	13.19	86	1,610	20.56	4	29	6.85	16	147	11.44	11
32	1,292	17.43	92	1,971	26.66	5	114	10.18	17	133	14.38	12
55	2,339	25.12	141	2,554	34.55	5	147	14.46	31	225	19.34	13
44	1,800	31.02	120	2,024	40.81	11	149	18.79	27	180	23.29	14
358	12,519	72.13	643	11,468	76.27	66	925	45.66	226	1,627	59.12	15
157	6,513	93.51	309	5,873	94.43	71	1,400	86.36	163	1,197	85.49	16
41	1,468	98.33	76	1,397	98.75	22	379	97.36	65	450	95.40	17
11	339	99.44	13	325	99.75	8	87	99.89	16	195	99.68	18
2	109	99.80	3	46	99.90	1	4	100.00	3	9	99.89	19
2	61	100.00	3	33	100.00	-	-	100.00	2	5	100.00	20

TABLE 60. CUMULATIVE PERCENTAGE DISTRIBUTION OF SERUM PROTEIN VALUES FOR PERSONS AGED 18-44 BY SEX AND RACE FOR INCOME LEVELS: UNITED STATES, 1971-72 (HANES PRELIMINARY)-CON.

	SERUM PROTEIN (GMS/100 ML)	TOTAL			MALE			FEMALE		
		n	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT
		2/INCOME BELOW POVERTY LEVEL								
1	TOTAL.....	591	6,790	100.00	128	2,538	100.00	463	4,252	100.00
2	LESS THAN 5.0.....	1	11	0.17	-	-	0.00	1	11	0.27
3	5.0-5.4.....	1	3	0.20	-	-	0.00	1	3	0.33
4	5.5-5.9.....	7	46	0.89	2	10	0.37	5	37	1.19
5	6.0.....	1	5	0.97	-	-	0.37	1	5	1.32
6	6.1.....	6	24	1.31	1	5	0.57	5	19	1.76
7	6.2.....	6	123	3.12	-	-	0.57	6	123	4.65
8	6.3.....	6	108	4.72	2	64	3.10	4	44	5.68
9	6.4.....	5	93	6.09	2	43	4.81	3	50	6.86
10	6.5.....	10	81	7.28	1	28	5.90	9	53	8.11
11	6.6.....	25	301	11.72	4	64	8.41	21	238	13.70
12	6.7.....	8	152	13.96	1	11	8.84	7	141	17.01
13	6.8.....	35	383	19.60	5	131	14.00	30	252	22.95
14	6.9.....	19	121	21.39	3	62	16.44	16	59	24.34
15	7.0-7.4.....	210	2,523	58.54	45	874	50.88	165	1,649	63.12
16	7.5-7.9.....	180	2,127	89.87	53	1,096	94.08	127	1,031	87.35
17	8.0-8.4.....	50	484	97.00	5	103	98.14	45	381	96.32
18	8.5-8.9.....	17	160	99.35	3	14	98.69	14	146	99.75
19	9.0-9.4.....	1	3	99.40	-	-	98.69	1	3	99.83
20	GREATER THAN 9.4.....	3	41	100.00	1	33	100.00	2	7	100.00
		2/INCOME ABOVE POVERTY LEVEL								
1	TOTAL.....	2,700	61,847	100.00	866	30,482	100.00	1,834	31,365	100.00
2	LESS THAN 5.0.....	3	163	0.26	3	163	0.53	-	-	0.00
3	5.0-5.4.....	15	319	0.78	3	85	0.81	12	233	0.74
4	5.5-5.9.....	47	1,030	2.44	6	226	1.55	41	805	3.31
5	6.0.....	20	537	3.31	8	310	2.57	12	228	4.04
6	6.1.....	24	575	4.24	6	207	3.25	18	368	5.21
7	6.2.....	43	807	5.55	10	270	4.14	33	536	6.92
8	6.3.....	50	1,092	7.31	11	343	5.26	39	749	9.30
9	6.4.....	84	1,519	9.77	18	342	6.39	66	1,177	13.06
10	6.5.....	82	1,863	12.78	26	1,051	9.83	56	813	15.65
11	6.6.....	104	2,392	16.65	24	930	12.88	80	1,462	20.31
12	6.7.....	130	3,149	21.74	34	1,310	17.18	96	1,839	26.17
13	6.8.....	187	4,704	29.35	53	2,318	24.79	134	2,386	33.78
14	6.9.....	170	3,803	35.50	48	1,796	30.68	122	2,007	40.18
15	7.0-7.4.....	1,054	23,308	73.18	370	12,258	70.89	684	11,050	75.41
16	7.5-7.9.....	501	12,619	93.58	174	6,754	93.05	327	5,865	94.10
17	8.0-8.4.....	147	3,136	98.66	57	1,747	98.78	90	1,390	98.53
18	8.5-8.9.....	28	659	99.72	12	283	99.71	16	376	99.73
19	9.0-9.4.....	7	114	99.91	2	62	99.91	5	52	99.90
20	GREATER THAN 9.4.....	4	58	100.00	1	27	100.00	3	31	100.00

2/EXCLUDES PERSONS WITH UNKNOWN INCOME.
NOTE: *n*=EXAMINED PERSONS, *N*=ESTIMATED POPULATION IN THOUSANDS.

TABLE 60. CUMULATIVE PERCENTAGE DISTRIBUTION OF SERUM PROTEIN VALUES FOR PERSONS AGED 18-44 BY SEX AND RACE FOR INCOME LEVELS: UNITED STATES, 1971-72 (HANES PRLIMINARY)-CON.

WHITE MALE			WHITE FEMALE			NEGRO MALE			NEGRO FEMALE			
n	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT	
2/INCOME BELOW POVERTY LEVEL												
62	1,504	100.00	205	2,679	100.00	61	936	100.00	253	1,536	100.00	1
-	-	0.00	-	-	0.00	-	-	0.00	1	11	0.74	2
-	-	0.00	-	-	0.00	-	-	0.00	1	3	0.90	3
1	7	0.44	3	33	1.24	1	3	0.31	2	4	1.15	4
-	-	0.44	1	5	1.43	-	-	0.31	-	-	1.15	5
-	-	0.44	2	8	1.74	1	5	0.84	3	11	1.83	6
-	-	0.44	5	87	4.99	-	-	0.84	1	36	4.16	7
2	64	4.71	2	16	5.59	-	-	0.84	2	28	5.97	8
2	43	7.60	2	46	7.31	-	-	0.84	1	4	6.24	9
-	-	7.60	6	44	8.95	1	28	3.79	3	9	6.83	10
2	49	10.89	12	167	15.17	2	14	5.31	8	69	11.35	11
-	-	10.89	5	132	20.10	1	11	6.47	2	9	11.93	12
3	95	17.23	15	150	25.70	2	36	10.28	15	102	18.59	13
2	52	20.69	7	37	27.08	1	10	11.33	9	22	20.03	14
32	734	69.51	83	1,135	69.45	11	133	25.55	82	514	53.47	15
15	415	97.13	44	556	90.20	36	647	94.67	79	440	82.08	16
1	4	97.42	12	184	97.07	3	41	99.10	33	197	94.92	17
1	5	97.78	4	70	99.68	2	8	100.00	10	76	99.86	18
-	-	97.78	1	3	99.81	-	-	100.00	-	-	99.86	19
1	33	100.00	1	5	100.00	-	-	100.00	1	2	100.00	20
2/INCOME ABOVE POVERTY LEVEL												
714	27,756	100.00	1,478	28,331	100.00	140	2,393	100.00	333	2,840	100.00	1
3	163	0.59	-	-	0.00	-	-	0.00	-	-	0.00	2
3	85	0.89	11	232	0.82	-	-	0.00	1	2	0.05	3
5	220	1.69	34	733	3.41	1	6	0.23	6	41	1.49	4
6	297	2.76	12	228	4.21	2	13	0.78	-	-	1.49	5
6	207	3.50	17	365	5.50	-	-	0.78	1	3	1.58	6
7	250	4.40	29	507	7.29	3	21	1.64	4	29	2.61	7
9	295	5.47	36	739	9.90	2	48	3.64	3	9	2.94	8
13	287	6.50	58	1,067	13.67	4	28	4.82	8	110	6.80	9
23	995	10.08	46	765	16.37	3	56	7.17	10	47	8.46	10
22	916	13.38	71	1,373	21.21	2	14	7.77	8	78	11.21	11
30	1,207	17.73	81	1,714	27.26	4	104	12.10	15	124	15.59	12
50	2,207	25.68	118	2,259	35.23	3	112	16.76	14	107	19.37	13
41	1,678	31.73	105	1,853	41.78	7	118	21.69	17	154	24.78	14
313	11,399	72.79	537	9,927	76.81	53	764	53.62	136	1,076	62.67	15
136	5,880	93.98	253	5,128	94.91	33	726	83.95	70	681	86.65	16
38	1,373	98.93	57	1,115	98.85	17	311	96.92	30	248	95.39	17
7	213	99.69	9	255	99.75	5	70	99.84	6	119	99.57	18
1	58	99.90	2	43	99.90	1	4	100.00	3	9	99.90	19
1	27	100.00	2	28	100.00	-	-	100.00	1	3	100.00	20

TABLE 61. CUMULATIVE PERCENTAGE DISTRIBUTION OF SERUM PROTEIN VALUES FOR PERSONS AGED 60 AND OVER BY RACE FOR INCOME LEVELS: UNITED STATES, 1971-72 (HANES PRELIMINARY)

SERUM PROTEIN (GMS/100 ML)	1/TOTAL			WHITE			NEGRO		
	n	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT
	ALL INCOME								
TOTAL	1,938	20,560	100.00	1,486	18,719	100.00	435	1,791	100.00
LESS THAN 5.0	5	72	0.35	5	72	0.38	-	-	0.00
5.0-5.4	11	115	0.91	10	108	0.96	1	8	0.43
5.5-5.9	34	423	2.97	29	413	3.17	5	10	0.96
6.0	16	181	3.85	14	178	4.12	2	4	1.17
6.1	16	212	4.88	15	203	5.20	1	9	1.66
6.2	17	135	5.53	15	120	5.84	2	15	2.47
6.3	42	409	7.52	39	401	7.98	3	8	2.94
6.4	62	856	11.69	52	784	12.17	9	71	6.90
6.5	83	880	15.97	78	846	16.69	5	34	8.78
6.6	112	1,316	22.37	98	1,282	23.54	12	20	9.92
6.7	90	1,188	28.15	80	1,162	29.75	10	26	11.37
6.8	142	1,546	35.67	116	1,434	37.41	23	92	16.53
6.9	124	1,598	43.44	102	1,545	45.66	22	53	19.49
7.0-7.4	710	7,183	78.37	550	6,547	80.64	155	629	54.59
7.5-7.9	330	3,196	93.92	215	2,691	95.01	111	499	82.44
8.0-8.4	112	832	97.97	55	598	98.21	55	231	95.36
8.5-8.9	18	180	98.84	6	117	98.84	12	63	98.86
9.0-9.4	7	106	99.36	3	102	99.38	4	4	99.09
GREATER THAN 9.4	7	132	100.00	4	116	100.00	3	16	100.00

1/TOTAL INCLUDES ALL RACES.
NOTE: *n*=EXAMINED PERSONS, *N*=ESTIMATED POPULATION IN THOUSANDS.

TABLE 61. CUMULATIVE PERCENTAGE DISTRIBUTION OF SERUM PROTEIN VALUES FOR PERSONS AGED 60 AND OVER BY RACE FOR INCOME LEVELS: UNITED STATES, 1971-72 (HANES PRELIMINARY)-CON.

SERUM PROTEIN (GMS/100 ML)	1/TOTAL			WHITE			NEGRO		
	n	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT
	2/INCOME BELOW POVERTY LEVEL								
TOTAL	484	3,113	100.00	292	2,397	100.00	191	714	100.00
LESS THAN 5.0	-	-	0.00	-	-	0.00	-	-	0.00
5.0-5.4	1	10	0.31	1	10	0.40	-	-	0.00
5.5-5.9	5	56	2.10	5	56	2.73	-	-	0.00
6.0	3	14	2.55	1	10	3.16	2	4	0.52
6.1	1	2	2.63	1	2	3.26	-	-	0.52
6.2	1	13	3.03	1	13	3.78	-	-	0.52
6.3	4	24	3.79	3	22	4.71	1	1	0.70
6.4	2	8	4.06	1	7	4.99	1	2	0.96
6.5	15	132	8.30	13	113	9.71	2	19	3.58
6.6	23	176	13.94	18	166	16.64	5	9	4.91
6.7	22	140	18.42	19	135	22.25	3	5	5.62
6.8	36	267	27.00	28	227	31.74	8	40	11.17
6.9	22	175	32.63	15	147	37.87	7	28	15.12
7.0-7.4	179	1,215	71.68	113	966	78.16	66	249	50.04
7.5-7.9	113	620	91.59	53	378	93.91	59	241	83.77
8.0-8.4	42	205	98.17	18	135	99.53	24	70	93.63
8.5-8.9	9	37	99.37	2	11	100.00	7	26	97.25
9.0-9.4	3	3	99.47	-	-	100.00	3	3	97.71
GREATER THAN 9.4	3	16	100.00	-	-	100.00	3	16	100.00
	2/INCOME ABOVE POVERTY LEVEL								
TOTAL	1,331	15,949	100.00	1,104	14,996	100.00	212	906	100.00
LESS THAN 5.0	5	72	0.45	5	72	0.48	-	-	0.00
5.0-5.4	7	77	0.93	7	77	0.99	-	-	0.00
5.5-5.9	26	349	3.12	21	339	3.25	5	10	1.06
6.0	12	158	4.11	12	158	4.30	-	-	1.06
6.1	15	209	5.42	14	200	5.64	1	9	2.04
6.2	14	78	5.91	12	63	6.06	2	15	3.64
6.3	35	360	8.16	33	353	8.41	2	7	4.41
6.4	54	745	12.83	46	714	13.17	7	30	7.74
6.5	64	709	17.28	62	705	17.87	2	4	8.21
6.6	83	1,090	24.11	74	1,065	24.97	7	11	9.42
6.7	62	938	29.99	55	917	31.09	7	21	11.72
6.8	98	1,178	37.38	82	1,113	38.51	13	46	16.84
6.9	94	1,310	45.59	80	1,287	47.09	14	23	19.33
7.0-7.4	489	5,406	79.48	407	5,078	80.96	77	321	54.73
7.5-7.9	195	2,318	94.02	148	2,086	94.87	44	227	79.74
8.0-8.4	62	596	97.76	35	446	97.84	26	149	96.22
8.5-8.9	8	139	98.63	4	106	98.55	4	34	99.92
9.0-9.4	4	103	99.28	3	102	99.23	1	1	100.00
GREATER THAN 9.4	4	116	100.00	4	116	100.00	-	-	100.00

1/TOTAL INCLUDES ALL RACES.
2/EXCLUDES PERSONS WITH UNKNOWN INCOME.
NOTE: *n*=EXAMINED PERSONS, *N*=ESTIMATED POPULATION IN THOUSANDS.

TABLE 62. CUMULATIVE PERCENTAGE DISTRIBUTION OF SERUM ALBUMIN VALUES FOR PERSONS AGED 1-5 BY RACE FOR INCOME LEVELS: UNITED STATES, 1971-72 (HANES PRELIMINARY)

SERUM ALBUMIN (GMS/100 ML)	1/TOTAL			WHITE			NEGRO		
	n	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT
	ALL INCOME								
TOTAL	1,489	16,877	100.00	986	14,193	100.00	489	2,570	100.00
LESS THAN 2.5	-	-	0.00	-	-	0.00	-	-	0.00
2.5-2.9	2	5	0.03	-	-	0.00	2	5	0.18
3.0-3.4	19	251	1.52	13	210	1.48	6	42	1.79
3.5	4	73	1.95	4	73	1.99	-	-	1.79
3.6	18	279	3.60	14	263	3.84	4	16	2.43
3.7	10	122	4.32	8	117	4.67	2	5	2.61
3.8	22	251	5.81	9	155	5.76	13	95	6.31
3.9	31	372	8.01	13	210	7.24	17	160	12.54
4.0	42	413	10.46	19	281	9.22	22	122	17.27
4.1	116	1,327	18.33	57	962	16.00	57	339	30.45
4.2	124	1,185	25.35	66	852	22.00	57	320	42.89
4.3	167	1,810	36.07	109	1,504	32.60	56	286	54.01
4.4	213	2,342	49.95	138	1,935	46.23	73	391	69.21
4.5-4.9	670	7,784	96.07	494	6,987	95.46	171	773	99.29
5.0-5.4	44	519	99.15	37	506	99.02	7	13	99.80
GREATER THAN 5.4	7	144	100.00	5	138	100.00	2	5	100.00

1/TOTAL INCLUDES ALL RACES.
NOTE: *n*=EXAMINED PERSONS, *N*=ESTIMATED POPULATION IN THOUSANDS.

TABLE 62. CUMULATIVE PERCENTAGE DISTRIBUTION OF SERUM ALBUMIN VALUES FOR PERSONS AGED 1-5 BY RACE FOR INCOME LEVELS: UNITED STATES, 1971-72 (HANES PRELIMINARY)-CON.

SERUM ALBUMIN (GMS/100 ML)	1/TOTAL			WHITE			NEGRO		
	n	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT
	2/INCOME BELOW POVERTY LEVEL								
TOTAL	448	3,183	100.00	180	1,915	100.00	265	1,252	100.00
LESS THAN 2.5	-	-	0.00	-	-	0.00	-	-	0.00
2.5-2.9	2	5	0.14	-	-	0.00	2	5	0.36
3.0-3.4	3	25	0.92	2	23	1.20	1	2	0.52
3.5	-	-	0.92	-	-	1.20	-	-	0.52
3.6	3	5	1.07	1	3	1.34	2	2	0.68
3.7	2	5	1.22	-	-	1.34	2	5	1.05
3.8	6	48	2.74	1	6	1.63	5	43	4.47
3.9	10	86	5.43	-	-	1.63	10	86	11.31
4.0	16	99	8.54	5	31	3.24	11	68	16.76
4.1	45	284	17.48	10	101	8.49	34	174	30.67
4.2	49	310	27.22	17	168	17.27	32	142	42.01
4.3	52	477	42.20	22	350	35.55	30	127	52.15
4.4	65	440	56.01	28	239	48.01	36	196	67.81
4.5-4.9	184	1,376	99.23	89	981	99.25	94	393	99.18
5.0-5.4	10	22	99.92	5	14	100.00	5	8	99.81
GREATER THAN 5.4	1	2	100.00	-	-	100.00	1	2	100.00
	2/INCOME ABOVE POVERTY LEVEL								
TOTAL	1,010	13,344	100.00	791	12,019	100.00	208	1,229	100.00
LESS THAN 2.5	-	-	0.00	-	-	0.00	-	-	0.00
2.5-2.9	-	-	0.00	-	-	0.00	-	-	0.00
3.0-3.4	14	211	1.58	11	187	1.55	3	24	1.95
3.5	4	73	2.13	4	73	2.16	-	-	1.95
3.6	15	275	4.18	13	260	4.33	2	14	3.12
3.7	8	117	5.06	8	117	5.30	-	-	3.12
3.8	15	192	6.50	7	140	6.47	8	52	7.38
3.9	21	286	8.65	13	210	8.21	7	74	13.44
4.0	25	300	10.89	13	236	10.17	11	53	17.79
4.1	70	1,041	18.70	47	862	17.34	22	163	31.04
4.2	72	847	25.04	48	664	22.86	23	170	44.84
4.3	113	1,327	34.98	87	1,154	32.47	24	152	57.22
4.4	144	1,867	48.98	108	1,677	46.42	35	179	71.76
4.5-4.9	471	6,224	95.61	397	5,863	95.20	70	339	99.35
5.0-5.4	32	444	98.94	30	439	98.85	2	5	99.77
GREATER THAN 5.4	6	141	100.00	5	138	100.00	1	3	100.00

1/TOTAL INCLUDES ALL RACES.
2/EXCLUDES PERSONS WITH UNKNOWN INCOME.
NOTE: *n*=EXAMINED PERSONS, *N*=ESTIMATED POPULATION IN THOUSANDS.

TABLE 63. CUMULATIVE PERCENTAGE DISTRIBUTION OF SERUM ALBUMIN VALUES FOR PERSONS AGED 18-44 BY SEX AND RACE FOR INCOME LEVELS: UNITED STATES, 1971-72 (HANES PRELIMINARY)

	SERUM ALBUMIN (GMS/100 ML)	TOTAL			MALE			FEMALE		
		n	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT
		ALL INCOME								
1	TOTAL.....	3,444	71,474	100.00	1,038	34,341	100.00	2,406	37,134	100.00
2	LESS THAN 2.5.....	-	-	0.00	-	-	0.00	-	-	0.00
3	2.5-2.9.....	7	90	0.13	-	-	0.00	7	90	0.24
4	3.0-3.4.....	59	988	1.51	7	153	0.44	52	836	2.49
5	3.5.....	27	392	2.06	4	81	0.68	23	311	3.33
6	3.6.....	37	439	2.67	3	22	0.74	34	417	4.45
7	3.7.....	49	849	3.86	4	153	1.19	45	696	6.33
8	3.8.....	81	1,385	5.80	10	329	2.15	71	1,056	9.17
9	3.9.....	124	1,688	8.16	10	274	2.95	114	1,414	12.98
10	4.0.....	162	2,386	11.50	8	242	3.65	154	2,145	18.76
11	4.1.....	215	3,716	16.70	37	1,276	7.37	178	2,440	25.33
12	4.2.....	284	5,163	23.92	64	2,067	13.39	220	3,095	33.66
13	4.3.....	299	5,963	32.26	70	2,461	20.55	229	3,502	43.09
14	4.4.....	405	8,263	43.82	103	3,616	31.08	302	4,647	55.61
15	4.5-4.9.....	1,412	32,071	88.69	553	17,749	82.77	859	14,322	94.18
16	5.0-5.4.....	263	7,550	99.26	151	5,492	98.76	112	2,058	99.72
17	GREATER THAN 5.4.....	20	530	100.00	14	426	100.00	6	104	100.00

NOTE: *n*=EXAMINED PERSONS, *N*=ESTIMATED POPULATION IN THOUSANDS.

TABLE 63. CUMULATIVE PERCENTAGE DISTRIBUTION OF SERUM ALBUMIN VALUES FOR PERSONS AGED 18-44 BY SEX AND RACE FOR INCOME LEVELS: UNITED STATES, 1971-72 (HANES PRLIMINARY)-CON.

WHITE MALE			WHITE FEMALE			NEGRO MALE			NEGRO FEMALE			
n	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT	
ALL INCOME												
808	30,458	100.00	1,758	32,342	100.00	211	3,440	100.00	618	4,541	100.00	1
-	-	0.00	-	-	0.00	-	-	0.00	-	-	0.00	2
-	-	0.00	3	55	0.17	-	-	0.00	4	35	0.77	3
5	142	0.47	35	681	2.28	2	10	0.30	16	124	3.50	4
3	77	0.72	16	282	3.15	1	4	0.43	7	29	4.15	5
-	-	0.72	21	355	4.24	3	22	1.06	13	63	5.52	6
2	137	1.17	27	526	5.87	2	16	1.53	17	153	8.90	7
8	260	2.02	40	747	8.18	2	69	3.53	29	306	15.63	8
4	157	2.54	74	1,102	11.59	5	74	5.67	40	312	22.49	9
4	181	3.13	96	1,725	16.92	4	60	7.42	53	383	30.93	10
26	1,062	6.62	117	2,132	23.51	11	214	13.65	60	297	37.47	11
49	1,821	12.60	147	2,479	31.18	13	199	19.44	71	593	50.52	12
48	2,148	19.65	170	3,102	40.77	21	311	28.47	58	397	59.27	13
72	3,210	30.19	222	4,109	53.47	27	365	39.07	75	528	70.89	14
441	15,829	82.16	689	13,032	93.77	104	1,711	88.80	159	1,177	96.81	15
132	5,008	98.60	96	1,913	99.69	16	385	100.00	15	142	99.94	16
14	426	100.00	5	101	100.00	-	-	100.00	1	3	100.00	17

TABLE 63. CUMULATIVE PERCENTAGE DISTRIBUTION OF SERUM ALBUMIN VALUES FOR PERSONS AGED 18-44 BY SEX AND RACE FOR INCOME LEVELS: UNITED STATES, 1971-72 (HANES PRELIMINARY)-CON.

	SERUM ALBUMIN (GMS/100 ML)	TOTAL			MALE			FEMALE		
		n	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT
		2/INCOME BELOW POVERTY LEVEL								
1	TOTAL.....	591	6,790	100.00	128	2,538	100.00	463	4,252	100.00
2	LESS THAN 2.5.....	-	-	0.00	-	-	0.00	-	-	0.00
3	2.5-2.9.....	-	-	0.00	-	-	0.00	-	-	0.00
4	3.0-3.4.....	14	127	1.87	2	10	0.37	12	118	2.77
5	3.5.....	2	7	1.98	-	-	0.37	2	7	2.93
6	3.6.....	6	76	3.10	-	-	0.37	6	76	4.73
7	3.7.....	8	65	4.06	-	-	0.37	8	65	6.26
8	3.8.....	18	149	6.26	1	9	0.71	17	141	9.58
9	3.9.....	30	259	10.07	3	27	1.78	27	232	15.02
10	4.0.....	42	365	15.45	2	39	3.30	40	327	22.70
11	4.1.....	43	466	22.32	8	200	11.19	35	266	28.96
12	4.2.....	58	507	29.79	8	152	17.17	50	356	37.33
13	4.3.....	56	556	37.98	11	214	25.60	45	342	45.36
14	4.4.....	71	824	50.11	12	192	33.18	59	631	60.21
15	4.5-4.9.....	215	2,984	94.06	68	1,463	90.84	147	1,521	95.98
16	5.0-5.4.....	27	370	99.51	12	199	98.69	15	171	100.00
17	GREATER THAN 5.4.....	1	33	100.00	1	33	100.00	-	-	100.00
		2/INCOME ABOVE POVERTY LEVEL								
1	TOTAL.....	2,700	61,847	100.00	866	30,482	100.00	1,834	31,365	100.00
2	LESS THAN 2.5.....	-	-	0.00	-	-	0.00	-	-	0.00
3	2.5-2.9.....	5	52	0.08	-	-	0.00	5	52	0.16
4	3.0-3.4.....	43	845	1.45	5	143	0.47	38	701	2.40
5	3.5.....	22	375	2.05	4	81	0.74	18	294	3.34
6	3.6.....	30	361	2.64	3	22	0.81	27	339	4.42
7	3.7.....	39	752	3.85	4	153	1.31	35	599	6.33
8	3.8.....	63	1,235	5.85	9	321	2.36	54	915	9.24
9	3.9.....	87	1,321	7.99	7	247	3.17	80	1,074	12.67
10	4.0.....	113	1,915	11.08	6	203	3.84	107	1,712	18.13
11	4.1.....	163	3,155	16.18	28	1,071	7.35	135	2,084	24.77
12	4.2.....	216	4,540	23.52	52	1,849	13.42	164	2,691	33.35
13	4.3.....	229	5,064	31.71	57	2,157	20.49	172	2,908	42.62
14	4.4.....	313	7,016	43.06	86	3,196	30.98	227	3,820	54.80
15	4.5-4.9.....	1,141	28,031	88.38	463	15,706	82.50	678	12,324	94.09
16	5.0-5.4.....	218	6,696	99.21	130	4,946	98.73	88	1,750	99.67
17	GREATER THAN 5.4.....	18	491	100.00	12	387	100.00	6	104	100.00

2/EXCLUDES PERSONS WITH UNKNOWN INCOME.
NOTE: *n*=EXAMINED PERSONS, *N*=ESTIMATED POPULATION IN THOUSANDS.

TABLE 63. CUMULATIVE PERCENTAGE DISTRIBUTION OF SERUM ALBUMIN VALUES FOR PERSONS AGED 18-44 BY SEX AND RACE FOR INCOME LEVELS: UNITED STATES, 1971-72 (HANES PRLIMINARY)-CON.

WHITE MALE			WHITE FEMALE			NEGRO MALE			NEGRO FEMALE			
n	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT	
2/INCOME BELOW POVERTY LEVEL												
62	1,504	100.00	205	2,679	100.00	61	936	100.00	253	1,536	100.00	1
-	-	0.00	-	-	0.00	-	-	0.00	-	-	0.00	2
-	-	0.00	-	-	0.00	-	-	0.00	-	-	0.00	3
1	7	0.44	5	30	1.11	1	3	0.31	7	88	5.72	4
-	-	0.44	2	7	1.38	-	-	0.31	-	-	5.72	5
-	-	0.44	3	67	3.89	-	-	0.31	3	9	6.29	6
-	-	0.44	4	42	5.46	-	-	0.31	4	23	7.81	7
-	-	0.44	5	59	7.66	1	9	1.23	11	80	13.05	8
1	10	1.13	10	148	13.20	2	17	3.02	17	83	18.45	9
-	-	1.13	13	118	17.59	2	39	7.14	27	209	32.05	10
5	166	12.17	13	158	23.48	3	34	10.78	22	108	39.11	11
3	119	20.07	23	195	30.76	4	28	13.75	27	161	49.57	12
4	167	31.21	14	183	37.58	6	44	18.47	31	159	59.91	13
5	118	39.07	28	406	52.72	7	74	26.39	30	223	74.43	14
32	692	85.09	76	1,137	95.16	33	681	99.12	68	352	97.32	15
10	191	97.78	9	130	100.00	2	8	100.00	6	41	100.00	16
1	33	100.00	-	-	100.00	-	-	100.00	-	-	100.00	17
2/INCOME ABOVE POVERTY LEVEL												
714	27,756	100.00	1,478	28,331	100.00	140	2,393	100.00	333	2,840	100.00	1
-	-	0.00	-	-	0.00	-	-	0.00	-	-	0.00	2
-	-	0.00	1	17	0.06	-	-	0.00	4	35	1.23	3
4	136	0.49	30	651	2.36	1	7	0.31	7	19	1.91	4
3	77	0.76	14	275	3.33	1	4	0.50	4	19	2.57	5
-	-	0.76	18	287	4.34	3	22	1.41	9	52	4.39	6
2	137	1.26	22	456	5.95	2	16	2.08	12	125	8.80	7
8	260	2.20	35	689	8.38	1	60	4.60	18	225	16.73	8
3	146	2.72	58	849	11.38	3	57	6.97	22	225	24.67	9
4	181	3.38	80	1,532	16.79	2	22	7.88	23	161	30.34	10
21	896	6.60	97	1,888	23.45	7	175	15.20	37	184	36.83	11
44	1,660	12.59	119	2,239	31.35	7	147	21.34	43	428	51.90	12
42	1,890	19.40	147	2,711	40.92	15	266	32.48	24	194	58.74	13
64	2,884	29.79	183	3,533	53.39	19	276	43.99	40	279	68.57	14
393	14,619	82.45	590	11,456	93.82	66	976	84.76	81	791	96.43	15
114	4,483	98.61	79	1,648	99.64	13	365	100.00	8	99	99.90	16
12	387	100.00	5	101	100.00	-	-	100.00	1	3	100.00	17

TABLE 64. CUMULATIVE PERCENTAGE DISTRIBUTION OF SERUM ALBUMIN VALUES FOR PERSONS AGED 60 AND OVER BY RACE FOR INCOME LEVELS: UNITED STATES, 1971-72 (HANES PRELIMINARY)

SERUM ALBUMIN (GMS/100 ML)	1/TOTAL			WHITE			NEGRO		
	n	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT
	ALL INCOME								
TOTAL	1,9[illegible]	20,560	100.00	1,486	18,719	100.00	435	1,791	100.00
LESS THAN 2.5	-	-	0.00	-	-	0.00	-	-	0.00
2.5-2.9	7	100	0.49	5	79	0.42	2	21	1.16
3.0-3.4	47	446	2.65	33	408	2.60	14	38	3.28
3.5	22	259	3.91	16	199	3.66	6	60	6.60
3.6	38	327	5.50	27	307	5.31	11	20	7.72
3.7	43	390	7.40	27	303	6.92	16	87	12.56
3.8	65	816	11.37	48	718	10.76	17	98	18.02
3.9	103	1,037	16.41	81	973	15.96	22	64	21.58
4.0	153	1,308	22.77	110	1,171	22.21	43	138	29.27
4.1	186	1,809	31.57	144	1,631	30.93	41	176	39.09
4.2	275	2,407	43.28	194	2,128	42.30	74	251	53.08
4.3	223	2,352	54.72	179	2,141	53.73	42	210	64.82
4.4	237	2,956	69.10	188	2,781	68.59	49	175	74.58
4.5-4.9	501	5,915	97.87	404	5,459	97.75	90	437	98.97
5.0-5.4	32	344	99.54	25	326	99.50	7	18	99.96
GREATER THAN 5.4	6	95	100.00	5	94	100.00	1	1	100.00

1/TOTAL INCLUDES ALL RACES.
NOTE: *n*=EXAMINED PERSONS, *N*=ESTIMATED POPULATION IN THOUSANDS.

TABLE 64. CUMULATIVE PERCENTAGE DISTRIBUTION OF SERUM ALBUMIN VALUES FOR PERSONS AGED 60 AND OVER BY RACE FOR INCOME LEVELS: UNITED STATES, 1971-72 (HANES PRELIMINARY)-CON.

SERUM ALBUMIN (GMS/100 ML)	1/TOTAL			WHITE			NEGRO		
	n	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT	*n*	*N*	CUMULATIVE PERCENT
	2/INCOME BELOW POVERTY LEVEL								
TOTAL	484	3,113	100.00	292	2,397	100.00	191	714	100.00
LESS THAN 2.5	-	-	0.00	-	-	0.00	-	-	0.00
2.5-2.9	1	13	0.42	-	-	0.00	1	13	1.83
3.0-3.4	12	75	2.82	5	54	2.24	7	21	4.77
3.5	5	32	3.84	2	27	3.37	3	4	5.40
3.6	7	33	4.91	1	22	4.28	6	12	7.03
3.7	9	62	6.91	1	10	4.71	8	52	14.31
3.8	14	86	9.67	8	64	7.38	6	22	17.36
3.9	28	150	14.48	18	134	12.99	10	15	19.50
4.0	45	205	21.05	25	153	19.36	20	52	26.77
4.1	50	319	31.29	31	241	29.43	19	77	37.57
4.2	72	453	45.84	37	321	42.83	34	131	55.86
4.3	60	524	62.67	41	406	59.77	19	118	72.35
4.4	58	348	73.87	39	289	71.82	19	60	80.70
4.5-4.9	119	792	99.32	82	657	99.22	37	135	99.65
5.0-5.4	3	12	99.70	1	9	99.60	2	3	100.00
GREATER THAN 5.4	1	9	100.00	1	9	100.00	-	-	100.00
	2/INCOME ABOVE POVERTY LEVEL								
TOTAL	1,331	15,949	100.00	1,104	14,996	100.00	212	906	100.00
LESS THAN 2.5	-	-	0.00	-	-	0.00	-	-	0.00
2.5-2.9	5	79	0.50	5	79	0.53	-	-	0.00
3.0-3.4	29	309	2.43	22	292	2.47	7	17	1.88
3.5	15	186	3.60	13	170	3.60	2	16	3.67
3.6	28	232	5.05	23	224	5.10	5	8	4.58
3.7	33	326	7.09	26	293	7.05	7	33	8.22
3.8	47	706	11.52	38	636	11.29	9	71	16.02
3.9	68	777	16.40	57	739	16.21	11	38	20.24
4.0	97	1,040	22.91	77	962	22.63	20	78	28.79
4.1	119	1,359	31.43	102	1,281	31.17	16	77	37.24
4.2	188	1,805	42.75	148	1,697	42.48	34	81	46.19
4.3	151	1,715	53.51	128	1,624	53.31	21	90	56.08
4.4	158	2,232	67.50	132	2,142	67.60	26	91	66.09
4.5-4.9	362	4,794	97.56	307	4,484	97.50	49	294	98.55
5.0-5.4	26	303	99.46	22	291	99.43	4	12	99.92
GREATER THAN 5.4	5	86	100.00	4	85	100.00	1	1	100.00

1/TOTAL INCLUDES ALL RACES.
2/EXCLUDES PERSONS WITH UNKNOWN INCOME.
NOTE: *n*=EXAMINED PERSONS, *N*=ESTIMATED POPULATION IN THOUSANDS.

APPENDIX I

STATISTICAL NOTES

The Survey Design

The sampling plan of the Health and Nutrition Examination Survey (HANES) followed a highly stratified multistage probability design in which a sample of the civilian noninstitutional population of the conterminous United States, 1-74 years of age, was selected. Excluded from the selection process were those persons confined to institutions or residing upon any of the reservation lands set aside for use of American Indians. Successive elements dealt with in the process of sampling were the primary sampling unit (PSU), census enumeration district (ED), segment (a cluster of households), household, eligible person, and finally sample person.

The starting points in the first stage of this design were the 1960 decennial census lists of addresses and the nearly 1,900 primary sampling units (PSU's) into which the entire United States was divided. Each PSU is either a standard metropolitan statistical area (SMSA), a single county or two or three contiguous counties. The PSU's were grouped into 357 strata for use in the Health Interview Survey and subsequently collapsed into 40 super strata for use in Cycles II and III of the Health Examination Survey and HANES.

Fifteen of the 40 super strata contained a single large metropolitan area of more than 2,000,000 population. These 15 large metropolitan areas were chosen into the sample with certainty. The 25 noncertainty strata were classified into four broad geographic regions of approximately equal population and cross-classified into four broad population density groups in each region. Then a modified Goodman-Kish controlled selection technique was used to select two PSU's from each of the 25 noncertainty super strata with the probability of selection of a PSU proportionate to its 1960 population so that proportionate representation of specified State groups and rate of population change classes was maintained in the sample. In this manner a total first-stage sample of 65 PSU's was selected. These 65 sample PSU's or stands are the areas within which a sample of persons would be selected for examination over a 3-year survey period.

In order to produce national estimates of the nutritional status of the U.S. population at an earlier date, a probability subsample of 35 of the 65 stands was selected. Included among the 35 stands are 10 of the 15 large certainty metropolitan areas and one stand from each of the 25 noncertainty super strata. The reduction from 15 to 10 large metropolitan areas was accomplished by randomly selecting one stand from multiple-stand Standard Metropolitan Statistical Areas, e.g., selecting the southern half of the Chicago SMSA to represent the entire SMSA. (This selection procedure was based on operational considerations and, although unbiased, is recognized as not being statistically optimal.) It is this subsample of 35 stands upon which the findings contained in this report are based.

Stand number	Location[1]	Persons examined
	All locations------	10,126
1	Philadelphia, Pa.--------	272
2	Pittsburgh, Pa.----------	188
3	Albany, N.Y.----------	165
4	Mercer, Pa.----------	220
5	Boston, Mass.----------	304
6	Detroit, Mich.----------	395
7	Newark, N.J.----------	250
8	Springfield, Mass.-------	175
9	Cleveland, Ohio----------	329
10	Bay City, Mich.----------	241
11	New York, N.Y.----------	196
12	La Porte, Ind.----------	221
13	Angola, Ind.----------	188
14	Cabarrus, N.C.----------	216
15	Los Angeles, Calif.------	375
16	Savannah, Ga.----------	216
17	West Palm Beach, Fla.----	352
18	Tucson, Ariz.----------	264
19	San Antonio, Tex.--------	453
20	Barbour, Ala.----------	478
21	Fresno, Calif.----------	278
22	Avoyelles, La.----------	539
23	Columbia, S.C.----------	254
24	San Francisco, Calif.----	429
25	Lamar, Miss.----------	363
26	New York, N.Y.----------	326
27	Clallum, Wash.----------	259
28	St. Joseph, Mo.----------	221
29	Hartford, Conn.----------	246
30	Grant, Wash.----------	247
31	Chicago, Ill.----------	406
32	Sussex, Del.----------	272
33	Boone, Iowa----------	275
34	Washington, D.C.---------	279
35	Milwaukee, Wis.----------	234

[1]Stand locations are counties, cities, or towns in which the examination center is located. Sample areas from which examinees are drawn for the stand consist of the PSU's which may include several counties.

Although the 1970 census data were used as the frame for selecting the sample within PSU's when they became available, the calendar of operations required that 1960 census data be used for the 35-stand sample of HANES. Census enumeration districts (ED's) in each PSU were divided into segments of an expected six housing units each. In urban ED's the segments were clusters of six addresses from the 1960 Census Listing Books. For ED's not having usable addresses, area sampling was employed and consequently some variation in the segment size occurred. To make the sample representative of the current population of the United States, the address or list segments were supplemented by a sample of housing units that had been constructed since 1960.

Within each PSU a systematic sample of segments was selected. The enumeration districts which fell into the sample were coded into one of two economic classes. The first class, identified as the "poverty stratum," was composed of "Current Poverty Areas" that had been identified by the Bureau of the Census in 1970 (pre 1970 census), plus other ED's in the PSU with a mean income of less than $3,000 in 1959 (based on 1960 census). The second economic class, the "nonpoverty stratum," includes all ED's not designated as belonging to the "poverty stratum."

All sample segments classified as being in the "poverty stratum" were retained in the sample. For those sample segments in "nonpoverty stratum" ED's, the selected segments were divided into eight random subgroups and one of the subgroups was chosen to remain in the HANES sample. This procedure permits a separate analysis with adequate reliability of those classified as being below the poverty level and those classified as being above the poverty level.

After identification of the sample segments, a list of all current addresses within the segment boundaries was made and the households were interviewed to determine the age and sex of each household member, as well as other demographic and socioeconomic information required for the survey.

To select the persons in sample segments to be examined in HANES and at the same time to oversample certain groups at high risk of malnutrition, all household members aged 1-74 years in each segment were first listed on a sample selection worksheet with each household in the segment listed serially. The number of household members in each of the six age-sex groups shown below were then listed on the worksheet under the appropriate age-sex group column. The sample selection worksheets were next put in segment number order and a systematic random sample of persons in each age-sex group was selected to be examined using the following sampling rates.

Ages	*Rate*
1-5 years	½
6-19 years	¼
20-44 years (male)	¼
20-44 years (female)	½
45-64 years	¼
65-74 years	1

The persons selected in the 35-stand sample of HANES comprise a representative sample of the target population and included 14,147 sample persons 1-74 years of age of whom 10,126 or 71.6 percent were examined. When adjustments are made for differential sampling for high risk groups, the response rate becomes 72.8 percent.

All data presented in this report are based on "weighted" observations. That is, data recorded for each sample person are inflated to characterize the subuniverse from which that sample person was drawn. The weight for each examined person is a product of the reciprocal of the probability of selecting the person, an adjustment for nonresponse cases (i.e., persons not examined), and a poststratified ratio adjustment which increases precision by bringing survey results into closer alignment with known U.S. population figures.

A more detailed description of the survey design and selection technique can be found in the Plan and Operation of a Health and Nutrition Examination Survey, United States, 1971-1973, *Vital and Health Statistics*, Series 1, No. 10a.[3]

Nonresponse

In any health examination survey, after the sample is identified and the sample persons are requested to participate in the examination, the survey meets one of its more severe problems. Usually a sizable number of sample persons will not participate in the examination. Whether or not an individual participates is determined by many factors, some of them uncontrollable, and therefore, may be reasonably treated as an outcome of a random event with a particular probability of occurrence. If these probabilities of participation were known and greater than zero for all persons, then the examined persons would constitute a probability sample from which unbiased estimates of the target population could be derived. In this situation, the effect of nonparticipation would only be to reduce the sample size, thereby increasing the sampling errors of examination findings. However, in practice a potential for bias due to nonresponse exists since the exact probabilities are never known. A further potential for bias exists if: (1) a sizable proportion of sample persons have a zero probability of participation, that is, they would never agree to participate in an examination survey of the same procedures and inducements, and (2) these persons differ from other sample persons with

NOTE The list of references follows the text

respect to characteristics under examination. It is for these reasons that intensive efforts are made in HANES to develop and implement procedures and inducements that would reduce the number of nonrespondents and thereby reduce the potential of bias due to nonresponse. These procedures and inducements are discussed in the Plan and Operation of the Health and Nutrition Examination Survey, United States, 1971-1973, Series 1, No. 10a.[3]

Despite these intensive efforts 27.2 percent of the sample persons from the first 35 stands were not examined. Consequently, the potential for a sizable bias does exist in the estimates in this publication. From what we know about the nonrespondents and the nature of nonresponse we believe that the likelihood of sizable bias is small. For instance, only a small proportion of persons gave reasons for nonparticipation which would lead to the belief that they would never agree to participate in examination surveys and that they may differ from examined persons with respect to the characteristic under examination. Only 15 percent of the nonrespondents gave as their reasons for nonparticipation personal illness, physically unable, pregnant, anti-doctor, or fear of finding something wrong. Typical among the reasons given by the other nonrespondents were: unable because of work, school or household duties; suspicious or skeptical of the program; just not interested in participating; and private medical care sufficient or just visited doctor.

An analysis of medical history data obtained for most nonexaminees as well as examinees also supports the belief that the likelihood of sizable bias due to nonresponse is small. No large differences were found between the examined group and nonexamined group for the statistics compared. For example, 11 percent of persons examined reported having an illness or condition which interferes with their eating as compared to 9 percent of persons not examined but who had completed a medical history. The percent of persons examined reporting ever being told by a doctor that they had arthritis was 20 percent, the percent for high blood pressure was 18 percent and for diabetes was 4 percent. The corresponding percents for nonexamined persons were: arthritis, 17 percent, high blood pressure, 21 percent; and diabetes, 4 percent.

As was mentioned earlier, the data in this report are based on weighted observations, and one of the components of the weight assigned to an examined person was an adjustment for nonresponse. Since the probabilities of participation are not known for sample persons in HANES, a procedure was adopted which multiplies the reciprocal of the probability of selection of sample persons by a factor which brings estimates based on examined persons only up to a level which would have been achieved if all sample persons had been examined. This nonresponse adjustment factor is calculated in two stages. In the first stage a ratio is computed which is the sum of sampling weights for all sample persons within a relatively homogeneous class defined by age, sex, poverty status, and stand, divided by the sum of sampling weights for examined sample persons within the same homogeneous class. Within each class this ratio, which is limited to three, is assigned to all examined responding sample persons. In the second stage the part of all first-stage ratios in excess of three is distributed to responding sample persons within classes defined by region and whether or not the sample person resided in a Standard Metropolitan Statistical Area. To the degree that these classes are homogeneous with respect to the characteristics under study, the procedure is effective in reducing the potential of bias from nonresponse. The distribution of nonresponse adjustment factors for the 35-stand sample of HANES is shown in table I.

Table I. Percent distribution of nonresponse adjustment factors, Stands 1-35, 1971-72 (HANES Preliminary)

Size of factor	Percent distribution
Total----------	100.0
1.00-1.24----------	38.4
1.25-1.49----------	31.6
1.50-1.74----------	12.9
1.75-1.99----------	8.4
2.00-2.49----------	6.1
2.50-2.99----------	1.2
3.00-3.03----------	1.4

Missing Data

Examination surveys are subject to the loss of information not only through the failure to examine all sample persons, but also from the failure to obtain record all items of information for examined persons. Although the number of missing data cases was generally very low for all items over the entire sample of examined persons (2.5 to 8.4 percent), this was not the case for the biochemical test values for young children. The percent of children aged 1-5 years with missing biochemical test values ranged between 10 and 31 percent. This was due primarily to physical difficulties of obtaining adequate blood samples and urine specimens from younger children in this age group. Any potential for bias arising from these omissions is believed to be small.

Estimates in this report include imputed values for all missing data cases. This was done by randomly assigning a value for the missing item from among similar examined persons with that item of information recorded. This process preserves both the ex-

NOTE The list of references follows the text

Table II. Standard errors of the means of selected nutrients by race, age, and sex for income levels, United States, 1971-72 (HANES Preliminary)

	Age and sex	Calories			Protein (gm)		
		Total[1]	White	Negro	Total[1]	White	Negro
		All income					
1	All ages, both sexes	25.29	25.09	48.50	1.00	1.02	1.55
2	Male	35.01	35.63	67.67	1.44	1.57	2.25
3	Female	23.40	24.34	55.62	0.98	1.08	2.18
4	1-5 years, both sexes	24.19	23.28	51.92	0.96	1.00	1.50
5	6-11 years, both sexes	41.92	42.83	65.42	1.31	1.34	2.62
6	12-17 years, both sexes	40.08	37.30	111.73	1.59	1.54	3.84
7	18-44 years, male	46.15	48.57	96.88	2.01	2.27	4.47
8	18-44 years, female	30.02	35.52	49.86	1.19	1.33	2.41
9	45-59 years, both sexes	28.21	26.01	67.48	1.33	1.58	5.33
10	60 years and over, both sexes	32.56	31.03	131.93	1.51	1.63	4.91
		Income below poverty level[2]					
11	All ages, both sexes	42.04	61.04	67.60	1.96	2.66	2.75
12	Male	76.94	109.71	115.55	3.50	4.61	4.19
13	Female	35.91	34.49	77.22	1.37	1.67	2.30
14	1-5 years, both sexes	39.42	56.33	63.58	2.33	3.06	2.98
15	6-11 years, both sexes	63.36	98.44	97.07	2.93	4.43	3.88
16	12-17 years, both sexes	119.00	206.67	74.58	5.11	9.17	3.83
17	18-44 years, male	164.85	272.47	284.59	6.98	9.28	10.68
18	18-44 years, female	61.54	83.50	114.35	2.47	2.86	3.65
19	45-59 years, both sexes	62.12	90.09	149.66	3.13	4.10	8.76
20	60 years and over, both sexes	71.07	79.92	160.60	2.46	2.58	5.32
		Income above poverty level[2]					
21	All ages, both sexes	24.36	24.92	49.60	0.88	0.92	1.42
22	Male	31.95	33.33	58.62	1.16	1.29	3.03
23	Female	24.31	25.55	51.40	0.95	1.06	2.22
24	1-5 years, both sexes	30.10	26.10	108.38	1.30	1.26	3.25
25	6-11 years, both sexes	47.33	45.41	89.99	1.49	1.30	4.81
26	12-17 years, both sexes	44.16	42.66	195.06	1.58	1.53	5.95
27	18-44 years, male	44.82	48.23	86.65	1.92	2.15	5.77
28	18-44 years, female	32.17	35.92	47.96	1.23	1.37	2.62
29	45-59 years, both sexes	30.40	27.12	75.32	1.67	1.76	4.98
30	60 years and over, both sexes	36.50	37.39	155.62	1.68	1.87	6.07

[1]Total includes other races.
[2]Excludes persons with unknown income.

pected values and the distribution of values of the recorded information.

Small Numbers

In some tables magnitudes are shown for cells for which the sample size is so small that the standard error may be several times as great as the statistic itself. Obviously in such instances the numbers, if shown, have been included to convey an impression of the overall story of the table.

Standard Errors

The probability design of the survey makes possible the estimation of standard errors corresponding to the weighted estimates presented. 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 which arises in the measurement process. It does not include estimates of any biases which might lie in the data. The chances are about 68 out of

Table II. Standard errors of the means of selected nutrients by race, age, and sex for income levels, United States, 1971-72 (HANES Preliminary)—Con.

Calcium (mg)			Iron (mg)			Vitamin A (I.U.)			Vitamin C (mg)			
Total[1]	White	Negro	Total[1]	White	Negro	Total[1]	White	Negro	Total[1]	White	Negro	
All income												
15.27	15.38	24.43	0.17	0.17	0.34	136.76	142.80	351.99	2.27	2.29	4.26	1
22.60	23.60	32.63	0.26	0.26	0.49	159.61	153.89	520.00	2.98	2.99	5.18	2
13.87	14.45	26.12	0.16	0.17	0.30	222.07	250.93	265.88	2.37	2.56	5.00	3
26.87	28.36	39.20	0.34	0.38	0.42	133.37	114.31	518.67	3.12	3.70	5.31	4
22.16	24.75	42.04	0.18	0.19	0.38	190.72	224.64	461.13	3.98	4.25	7.86	5
28.48	30.19	48.86	0.28	0.22	1.25	363.56	404.12	518.27	3.27	3.12	5.81	6
33.48	35.14	63.72	0.31	0.35	0.70	183.81	197.96	683.46	5.37	5.97	9.18	7
15.26	17.06	25.74	0.17	0.19	0.31	104.17	134.04	264.08	3.52	3.93	5.29	8
14.03	15.18	19.38	0.24	0.25	0.57	415.25	457.77	630.46	3.76	3.69	10.53	9
19.26	20.64	61.85	0.30	0.28	1.14	770.06	844.87	1,345.74	4.39	4.94	10.80	10
Income below poverty level[2]												
27.33	43.71	28.68	0.45	0.54	0.65	345.43	511.04	344.99	3.10	3.81	7.32	11
46.30	82.50	40.39	0.66	0.74	0.98	385.23	480.99	601.13	5.67	5.25	12.54	12
29.87	42.75	34.25	0.32	0.37	0.41	557.29	791.04	460.01	2.81	4.63	5.51	13
51.51	88.63	40.42	0.57	0.82	0.55	224.93	360.43	295.10	3.66	4.57	5.77	14
49.17	81.38	59.87	0.45	0.63	0.64	372.38	452.39	909.85	6.84	9.92	9.88	15
82.10	150.30	46.80	1.07	1.19	1.78	527.64	589.23	942.27	5.17	10.40	7.79	16
105.22	170.84	105.64	1.07	1.40	1.79	950.99	1,303.18	1,344.04	11.18	15.74	16.56	17
51.29	76.03	48.06	0.44	0.51	0.57	445.71	241.80	1,318.69	3.83	5.48	8.13	18
41.73	63.01	62.06	0.57	0.93	1.02	2,562.77	4,253.38	895.01	9.93	10.30	24.69	19
47.48	54.26	59.50	0.64	0.53	1.55	263.47	316.79	1,149.59	5.08	5.77	15.38	20
Income above poverty level[2]												
12.83	12.00	29.85	0.14	0.15	0.27	141.77	146.12	460.08	2.34	2.43	5.65	21
17.66	17.26	44.27	0.22	0.25	0.50	156.39	156.82	659.27	3.00	3.06	6.33	22
13.10	12.86	28.41	0.16	0.17	0.28	242.75	262.61	400.05	2.59	2.77	6.17	23
27.00	26.62	67.14	0.38	0.41	0.63	143.57	95.98	1,099.75	4.08	4.28	10.58	24
23.10	23.42	48.08	0.18	0.18	0.52	216.41	231.81	231.40	4.70	4.86	9.08	25
29.78	29.96	67.11	0.27	0.29	1.09	418.44	453.88	332.24	3.98	3.95	9.78	26
28.37	29.55	84.01	0.30	0.34	0.64	166.01	187.45	669.67	5.68	6.07	11.99	27
16.23	16.23	26.81	0.17	0.19	0.32	141.36	139.13	477.36	3.95	4.41	7.76	28
16.95	16.59	43.46	0.27	0.27	0.69	299.75	312.09	1,068.57	3.32	3.43	9.91	29
22.53	23.89	82.75	0.27	0.28	1.23	957.13	1,020.45	2,608.87	4.23	4.73	17.41	30

[1]Total includes other races.
[2]Excludes persons with unknown income.

100 that an estimate from the sample would differ from a complete census by less than the standard error. The chances are about 95 out of 100 that the difference 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 standard errors are obtained from the sample data and are themselves subject to sampling error when the number of cases in a cell is small or, even occasionally, when the number of cases is substantial.

Estimates of the standard errors for selected statistics used in this report are presented in tables II and III. These estimates have been prepared by a replication technique which yields overall variability through observation of variability among random subsamples of the total sample. Again, readers are reminded that these estimated standard errors do not reflect any residual bias which might still be present after the attempted correction for nonresponse.

Table III. Standard errors of the means of selected biochemical determinations by age, sex, and race for income levels, United States, 1971-72 (HANES Preliminary)

	Age and sex	Hemoglobin (gm/100 ml)			Hematocrit (percent)			Serum iron (μg/100 ml)		
		Total[1]	White	Negro	Total[1]	White	Negro	Total[1]	White	Negro
		All income								
1	All ages, both sexes---	0.06	0.06	0.07	0.16	0.16	0.19	0.87	0.85	2.20
2	Male----------	0.07	0.07	0.09	0.19	0.20	0.26	1.11	1.12	2.50
3	Female----------	0.05	0.06	0.07	0.14	0.15	0.22	0.87	0.84	2.48
4	1-5 years, both sexes--------	0.08	0.09	0.08	0.17	0.19	0.20	1.20	1.31	2.52
5	6-11 years, both sexes-------	0.08	0.08	0.11	0.21	0.23	0.23	1.48	1.44	3.60
6	12-17 years, both sexes------	0.06	0.07	0.09	0.14	0.15	0.31	1.57	1.80	3.19
7	18-44 years, male----------	0.07	0.08	0.12	0.22	0.21	0.45	1.70	1.75	3.44
8	18-44 years, female----------	0.06	0.07	0.09	0.16	0.18	0.31	1.18	1.24	2.46
9	45-59 years, both sexes------	0.08	0.08	0.15	0.20	0.21	0.42	1.28	1.30	3.43
10	60 years and over, both sexes----------	0.05	0.05	0.17	0.24	0.25	0.46	1.14	1.24	2.25
		Income below poverty level[2]								
11	All ages, both sexes---	0.09	0.14	0.09	0.25	0.37	0.28	1.87	1.85	3.03
12	Male----------	0.14	0.20	0.13	0.40	0.56	0.43	2.41	2.89	2.67
13	Female----------	0.07	0.11	0.06	0.15	0.27	0.24	2.13	2.32	4.08
14	1-5 years, both sexes--------	0.11	0.17	0.11	0.23	0.31	0.30	3.39	4.86	4.12
15	6-11 years, both sexes-------	0.08	0.11	0.09	0.26	0.35	0.16	3.10	3.61	3.53
16	12-17 years, both sexes------	0.07	0.15	0.07	0.23	0.49	0.33	2.24	3.54	2.34
17	18-44 years, male----------	0.14	0.19	0.24	0.31	0.44	0.62	3.04	3.70	7.29
18	18-44 years, female----------	0.10	0.15	0.15	0.23	0.42	0.35	2.91	3.65	3.89
19	45-59 years, both sexes------	0.21	0.19	0.45	0.56	0.49	1.35	3.33	5.60	4.19
20	60 years and over, both sexes----------	0.11	0.06	0.19	0.26	0.23	0.48	2.29	2.25	3.75
		Income above poverty level[2]								
21	All ages, both sexes---	0.05	0.06	0.06	0.15	0.15	0.19	0.91	0.89	2.16
22	Male----------	0.06	0.07	0.08	0.18	0.18	0.23	1.21	1.22	2.51
23	Female----------	0.05	0.06	0.09	0.15	0.15	0.27	0.85	0.85	2.58
24	1-5 years, both sexes--------	0.08	0.08	0.13	0.18	0.19	0.39	1.07	1.22	1.92
25	6-11 years, both sexes-------	0.08	0.08	0.20	0.23	0.24	0.44	1.46	1.39	5.49
26	12-17 years, both sexes------	0.07	0.07	0.13	0.15	0.14	0.47	1.61	1.67	4.28
27	18-44 years, male----------	0.07	0.08	0.13	0.21	0.20	0.56	1.81	1.92	2.41
28	18-44 years, female----------	0.06	0.07	0.15	0.17	0.17	0.44	1.20	1.33	2.91
29	45-59 years, both sexes------	0.08	0.09	0.19	0.23	0.24	0.53	1.41	1.38	4.17
30	60 years and over, both sexes----------	0.05	0.06	0.18	0.25	0.27	0.50	1.36	1.43	2.59

[1]Total includes other races.
[2]Excludes persons with unknown income.

Table III. Standard errors of the means of selected biochemical determinations by age, sex, and race for income levels, United States, 1971-72 (HANES Preliminary)—Con.

Transferrin saturation (percent)			Serum protein (gm/100 ml)			Serum albumin (gm/100 ml)			Serum vitamin A (μg/100 ml)			
Total[1]	White	Negro	Total[1]	White	Negro	Total[1]	White	Negro	Total[1]	White	Negro	
All income												
0.32	0.37	0.40	0.04	0.04	0.06	0.02	0.02	0.02	0.69	0.70	1.17	1
0.37	0.42	0.70	0.04	0.04	0.05	0.02	0.02	0.02	0.80	0.81	1.49	2
0.36	0.39	0.42	0.05	0.05	0.08	0.02	0.02	0.03	0.66	0.67	1.00	3
0.48	0.50	0.89	0.04	0.04	0.05	0.02	0.02	0.03	0.52	0.61	1.12	4
0.51	0.54	1.06	0.05	0.05	0.08	0.03	0.03	0.02	0.76	0.82	1.04	5
0.57	0.62	1.05	0.04	0.04	0.07	0.03	0.03	0.03	0.56	0.67	0.83	6
0.61	0.65	1.05	0.05	0.05	0.06	0.03	0.03	0.03	1.02	1.02	2.35	7
0.37	0.42	0.48	0.06	0.06	0.09	0.03	0.03	0.05	0.76	0.76	1.08	8
0.38	0.43	1.37	0.05	0.05	0.11	0.03	0.03	0.03	1.27	1.28	3.13	9
0.48	0.54	0.62	0.04	0.04	0.09	0.02	0.02	0.04	1.32	1.34	2.83	10
Income below poverty level[2]												
0.59	0.75	0.61	0.05	0.05	0.07	0.02	0.02	0.02	0.96	1.45	1.18	11
0.78	1.08	0.72	0.05	0.05	0.08	0.02	0.02	0.04	1.47	2.23	2.30	12
0.78	1.02	0.76	0.06	0.06	0.08	0.02	0.03	0.02	0.75	0.95	1.03	13
1.15	1.67	1.16	0.05	0.06	0.06	0.02	0.04	0.04	1.13	1.27	1.50	14
1.16	1.39	1.08	0.05	0.06	0.06	0.02	0.03	0.02	0.86	1.53	1.34	15
0.81	1.28	0.76	0.06	0.08	0.09	0.02	0.04	0.03	1.14	1.42	1.58	16
1.20	1.60	2.30	0.08	0.11	0.09	0.04	0.07	0.06	2.06	2.39	3.34	17
0.92	1.29	0.81	0.07	0.09	0.08	0.05	0.06	0.05	1.17	1.59	1.40	18
1.72	2.87	0.89	0.11	0.11	0.20	0.05	0.04	0.06	2.27	2.85	4.63	19
0.85	1.02	1.00	0.05	0.05	0.15	0.02	0.03	0.05	2.29	2.62	2.76	20
Income above poverty level[2]												
0.34	0.36	0.50	0.04	0.04	0.06	0.02	0.02	0.03	0.66	0.66	1.22	21
0.41	0.43	0.81	0.04	0.04	0.05	0.03	0.03	0.03	0.82	0.80	1.47	22
0.36	0.38	0.53	0.05	0.05	0.08	0.02	0.02	0.04	0.61	0.63	1.31	23
0.47	0.49	1.18	0.04	0.04	0.05	0.02	0.03	0.04	0.71	0.73	1.23	24
0.50	0.54	1.34	0.06	0.06	0.10	0.03	0.03	0.04	0.85	0.87	1.39	25
0.56	0.57	1.86	0.04	0.04	0.07	0.03	0.03	0.05	0.58	0.66	1.09	26
0.60	0.65	0.88	0.05	0.05	0.07	0.03	0.03	0.04	1.00	1.03	2.48	27
0.39	0.43	0.73	0.06	0.06	0.12	0.03	0.03	0.07	0.82	0.80	1.68	28
0.34	0.34	1.87	0.05	0.05	0.09	0.03	0.04	0.04	1.08	1.08	3.58	29
0.59	0.63	0.90	0.05	0.05	0.10	0.02	0.02	0.06	1.20	1.22	3.53	30

[1]Total includes other races.
[2]Excludes persons with unknown income.

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APPENDIX II

DEMOGRAPHIC AND SOCIOECONOMIC TERMS

The demographic and socioeconomic characteristics of the population sampled are defined as follows:

Age.—The age recorded for each examinee was the age at his last birthday on the date of examination. The age criterion for inclusion in the sample used in this survey was defined in terms of his age at time of census interview. Some of those who were 74 years old at the time of interview became 75 years old by the time of the examination. There were eight such cases. In the adjustment and weighting procedures used to produce national estimates, these persons were included in the 74-year-old group.

Race.—For each individual, race was recorded as "white," "Negro," or "other races." The last category included American Indians, Chinese, Japanese, and all races other than white or Negro. Mexican persons were included with "white" unless definitely known to be American Indian or of another race other than white. Negroes and persons of mixed Negro and other parentage were recorded as "Negro."

Family Income.—The income recorded was the total income reported during the past 12 months by the head of the household and all other household members related to the head by blood, marriage, or adoption. This income was the total cash income (excluding pay in kind, e.g., meals, living quarters, or supplies provided in place of cash wages) except in the case of a family with its own farm or business, in which case net income was recorded. Also included in the family income figure were allotments and other money received by the family from a member of the Armed Forces whether he was living at home or not.

Poverty Index.—Income status was determined by the Poverty Income Ratio (PIR). Poverty statistics published in the Census Bureau reports[15] were based on the poverty index developed by the Social Security Administration in 1964. (For a detailed discussion of the SSA poverty standards, see reference 16.) Modifications in the definition of poverty were adopted in 1969.[17] The standard data series in poverty for statistical use by all executive departments and establishments has been established.[18]

NOTE The list of references follows the text

The two components of the PIR are the total income of the household (numerator) and a multiple of the total income necessary to maintain a family with given characteristics on a nutritionally adequate food plan[17] (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 of 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, 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.

As shown in table IV 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 as shown in the table has been designated as having a PIR or poverty level of 1.0. The same family with twice the income found in the table would have a PIR of 2.0. Ratios of less than 1.0 can be described as "below poverty," ratios greater than 1.0, as "above poverty."

Poverty thresholds are computed on a national basis only. No attempt has been made to adjust these thresholds for regional, State, or other local variation in the cost of living (except for the farm, nonfarm difference). None of the noncash public welfare benefits such as food stamp bonuses or free food commodities are included in the income of the low income families receiving these benefits.

The table of threshold income values for the combinations listed above is as follows:

Table IV. Weighted average thresholds at the low income level in 1971 by size of family and sex of head, by farm-nonfarm residence

Size of family	Total	Nonfarm			Farm		
		Total	Male[1] head	Female[1] head	Total	Male[1] head	Female[1] head
All unrelated individuals	$2,033	$2,040	$2,136	$1,978	$1,727	$1,783	$1,669
Under 65 years	2,093	2,098	2,181	2,017	1,805	1,853	1,715
65 years and over	1,931	1,940	1,959	1,934	1,652	1,666	1,643
All families	3,700	3,724	3,764	3,428	3,235	3,242	3,079
2 persons	2,612	2,633	2,641	2,581	2,219	2,224	2,130
Head under 65 years	2,699	2,716	2,731	2,635	2,317	2,322	2,195
Head 65 years and over	2,424	2,448	2,450	2,437	2,082	2,081	2,089
3 persons	3,207	3,229	3,246	3,127	2,745	2,749	2,627
4 persons	4,113	4,137	4,139	4,116	3,527	3,528	3,513
5 persons	4,845	4,880	4,884	4,837	4,159	4,159	4,148
6 persons	5,441	5,489	5,492	5,460	4,688	4,689	4,656
7 persons or more	6,678	6,751	6,771	6,583	5,736	5,749	5,516

[1]For unrelated individuals, sex of the individual.

SOURCE: U.S. Department of Commerce, Social and Economic Statistics Administration, U.S. Bureau of the Census "Characteristics of the Low Income Population: 1971," Current Population Reports, Series P-60, No. 86, p. 18.

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APPENDIX III

FOOD SOURCES OF NUTRIENTS; STANDARDS FOR DIETARY INTAKE; AND CLASSIFICATION GUIDELINES AND METHODOLOGY FOR BIOCHEMICAL DETERMINATIONS

Table V. Food sources of selected nutrients, functions, and problems associated with nutrient deficiency

Nutrient	Major function	Problems associated with deficiency	Major food sources
Calories----	Supply energy for growth and development, basal metabolism, and physical activity.	Inadequate caloric intake in children is evidenced by lack of growth and energy, loss of weight in all age groups.	All foods. Starchy, sweet, and fat foods are concentrated sources.
Protein-----	Essential for normal growth and development; for maintenance and repair of all body tissue.	A severe or prolonged deficiency results in retarded growth; symptoms may include edema, lassitude, and decreased resistance to infections.	Eggs, milk and milk products, meats, fish, poultry, soybeans, dry beans, peas, and nuts.
Vitamin A---	Essential for the maintenance of healthy skin and mucous membranes, for normal night vision; aids in maintaining resistance to infections.	Deficiency signs: night blindness and skin changes characterized by dry, rough skin. Prolonged deficiency can lead to permanent blindness.	Liver, whole milk and whole milk products, and dark green leafy and deep yellow vegetables.
Vitamin C---	Production of intercellular cementing substance; wound healing. Plays a role in normal resistance to infections.	Deficiency results in soft, spongy gums, prolonged wound healing, and in the advanced deficiency state, the classical disease scurvy.	Citrus fruits, tomatoes, strawberries, cantaloupe, raw cabbage, and green peppers.
Calcium-----	Necessary for formation of bones and teeth. Plays a role in blood coagulation and normal reactions of nerve and muscle tissue.	Deficiency in children may be associated with rickets; in adults, calcium may be lost from the bones (osteoporosis).	Milk and milk products, certain green leafy vegetables, oysters, clams, and shrimp.
Iron--------	Necessary for formation of hemoglobin, the oxygen-carrying pigment of red blood cells.	Weakness and fatigability. Advanced deficiency leads to anemia.	Liver and other organ meats, dark green leafy vegetables, dried fruits, whole grain and enriched cereals and cereal products, and molasses.

Table VI. Standards for evaluation of daily dietary intake used in the Health and Nutrition Examination Survey, United States, 1971-72

Age and sex	Calories (per kg)	Protein (gm per kg)	Calcium (mg)	Iron (mg)	Vitamin A[1] (I.U.)	Vitamin C (mg)
1-5 years:						
12-23 months, male and female	90	1.9	450	15	2,000	40
24-47 months, male and female	86	1.7	450	15	2,000	40
48-71 months, male and female	82	1.5	450	10	2,000	40
6-7 years, male and female	82	1.3	450	10	2,500	40
8-9 years, male and female	82	1.3	450	10	2,500	40
10-12 years Male	68	1.2	650	10	2,500	40
Female	64	1.2	650	18	2,500	40
13-16 years Male	60	1.2	650	18	3,500	50
Female	48	1.2	650	18	3,500	50
17-19 years Male	44	1.1	550	18	3,500	55
Female	35	1.1	550	18	3,500	50
20-29 years Male	40	1.0	400	10	3,500	60
Female	35	1.0	600	18	3,500	55
30-39 years Male	38	1.0	400	10	3,500	60
Female	33	1.0	600	18	3,500	55
40-49 years Male	37	1.0	400	10	3,500	60
Female	31	1.0	600	18	3,500	55
50-54 years Male	36	1.0	400	10	3,500	60
Female	30	1.0	600	18	3,500	55
55-59 years Male	36	1.0	400	10	3,500	60
Female	30	1.0	600	10	3,500	55
60-69 years Male	34	1.0	400	10	3,500	60
Female	29	1.0	600	10	3,500	55
70 years and over Male	34	1.0	400	10	3,500	60
Female	29	1.0	600	10	3,500	55
Pregnancy (fifth month and beyond), add to basic standard	200	20	200		1,000	[2]5
Lactating, add to basic standard	1,000	25	500		1,000	5

[1]Assumed 70 percent carotene, 30 percent retinol.
[2]For all pregnant women.

Table VII. Guidelines for classification of biochemical determinations used in the Health and Nutrition Examination Survey, United States, 1971-72

Biochemical determination, age, and sex	Classification category		
	Low	Acceptable	High
Hemoglobin (gm/100 ml)			
1-5 years	<10.0	10.0-11.0	>11.0
6-11 years	<11.5	11.5-12.5	>12.5
12-17 years, male	<13.0	13.0-14.0	>14.0
12-17 years, female	<11.5	11.5-12.5	>12.5
18 years and over, male	<14.0	14.0-16.5	>16.5
18 years and over, female	<12.0	12.0-14.5	>14.5
Hematocrit (percent)			
1-5 years	< 31	31-34	>34
6-11 years	< 35	35-39	>39
12-17 years, male	< 40	40-44	>44
12-17 years, female	< 36	36-38	>38
18 years and over, male	< 44	44-52	>52
18 years and over, female	< 38	38-48	>48
Serum iron (μg/100 ml)			
1-5 years	< 40	40-49	>49
6-11 years	< 50	50-59	>59
12 years and over, male	< 60	60-149	>149
12 years and over, female	< 40	40-119	>119
Transferrin saturation (percent)			
1-5 years	< 15	15-29	>30
6-11 years	< 20	20-29	>30
12 years and over, male	< 20	20-29	>30
12 years and over, female	< 15	15-29	>30
Serum protein (gm/100 ml)			
1-5 years	<5.0	5.0-6.0	>6.0
6-17 years	<6.0	6.0-8.0	>8.0
Adult	<6.5	6.5-8.5	>8.5
Serum albumin (gm/100 ml)			
1-5 years	<2.5	2.5-3.5	>3.5
6-17 years	<3.0	3.0-4.0	>4.0
Adult	<3.5	3.5-5.5	>5.5
Serum vitamin A (μg/100 ml)			
All ages	< 20	20-80	>80

Table VIII. Methodology for obtaining laboratory data used in the Health and Nutrition Examination Survey, United States, 1971-72

Biochemical determination	Method
Hemoglobin	Cyanmethemoglobin[1]
Hematocrit	Micromethod[2]
Serum iron	Ferrozine[3]
TIBC	Magnesium carbonate[3]
Serum protein	Biuret reaction[4]
Serum albumin	Bromcresol green[5]
Serum vitamin A	Trifluoroacetic acid macro method[6]

[1]Manual for Nutrition Surveys, 2d ed., Interdepartmental Committee on Nutrition for National Defense, 1963.

[2]Wintrobe, M. M.: Clinical Hematology, 6th ed. Philadelphia. Lea & Febiger, 1967.

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