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Chronic Conditions and Limitations of Activity and Mobility

United States - July 1965 - June 1967

Statistics on persons limited in activity and mobility due to chronic conditions, by type of condition causing limitation, age, sex, color, family income, employment status, and geographic region. Based on data collected in household interviews during the period July 1965-June 1967.

U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE
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IN THIS REPORT statistics are presented on the proportion of persons with limitation of activity or mobility and the prevalence of selected chronic diseases and impairments reported as causing the type of limitation. Activity limitation refers not only to the major activity of the person (ability to work, keep house, or engage in school or preschool activities) but also to recreational, civic, and similar activities. Limitation of mobility refers to the ability of the person to move about freely. These findings are based on data collected in health interviews conducted during July 1965-June 1967 and update similar reports such as "Chronic Conditions Causing Activity Limitation" (Vital and Health Statistics, Series 10, Number 51) and "Chronic Conditions and Activity Limitation" (Series 10, Number 17).

The number of limited persons and the number of conditions causing limitation are distributed by age, sex, color, family income, employment status, and geographic region.

During July 1965-June 1967 about 22.0 million persons, or 11.5 percent of the civilian, noninstitutional population of the United States, were limited in their activities. An estimated 6.3 million persons (3.3 percent of the population) were limited in mobility. Heart conditions were reported as causing 16.4 percent of all activity limitations and 12.6 percent of mobility limitations. Arthritis and rheumatism caused 14.8 percent of limitations of activity and 24.4 percent of limitations of mobility. Other leading causes of activity limitation were impairments (except paralysis) of back or spine, mental and nervous conditions, impairments (except paralysis and absence) of lower extremities and hips, visual impairments, and hypertension without heart involvement. Other leading causes of mobility limitation were impairments of lower extremities and hips, paralysis (complete or partial), visual impairments, impairments of back or spine, and mental and nervous conditions.

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-----	*

CHRONIC CONDITIONS AND LIMITATIONS OF ACTIVITY AND MOBILITY

Charles S. Wilder, *Division of Health Interview Statistics*

SELECTED FINDINGS

During July 1965-June 1967 an estimated 94.9 million persons, or 49.5 percent of the civilian, noninstitutional population, had one or more chronic conditions. About 22.0 million persons reported that they were limited to some extent in their activities as a result of their chronic diseases or impairments, and 6.3 million experienced limitation of mobility to some degree. Persons with limitation of activity had an average of 3.4 chronic conditions, of which 1.4 conditions were reported as causes of limitation. Persons with limitation of mobility had an average of 4.1 chronic conditions, of which 1.5 were named as causes of limitation.

Two condition groups, heart conditions and arthritis and rheumatism, were the primary causes of both activity and mobility limitations during July 1965-June 1967; heart conditions were reported as causing 16.4 percent of the activity limitations and 12.6 percent of the mobility limitations, and arthritis and rheumatism caused 14.8 percent of the activity limitations and 24.4 percent of the mobility limitations. These two condition groups were the leading causes of activity limitation in each of four time periods for which reports on causes of limitation of activity have been published from the information derived from the Health Interview Survey. Two condition groups have shown substantial changes in level as causes of activity limitation. Impairments (except paralysis) of back or spine increased from a low of 6.6 percent of limitations during July 1959-June 1961 to 8.2 percent of limitations during July 1965-June 1967. The second group, hypertension without

heart involvement, declined as a leading cause from 6.8 percent in July 1959-June 1961 to 5.4 percent during July 1965-June 1967.

As age increased, the proportion of each age group with limitation of activity or mobility rose substantially. About 46.0 percent of all persons aged 65 years and over had some degree of activity limitation compared with 1.9 percent of those under 17. Similarly, about 18.7 percent of persons aged 65 years and older had some degree of mobility limitation compared with about 0.4 percent of those under 17 years of age. The leading cause of activity limitation for persons under 17 was asthma-hay fever, which caused 20.0 percent of the limitations. Among limited persons 65 years and older two groups, heart conditions and arthritis and rheumatism, caused 21.9 and 20.2 percent, respectively, of all degrees of activity limitation. Among the youngest age group 28.2 percent of mobility limitation was attributed to paralysis, complete or partial. In the oldest age group the leading cause of mobility limitation was arthritis and rheumatism, which caused 29.3 percent of the total for this age group.

SOURCE AND LIMITATIONS OF THE DATA

The information presented in this publication is derived from data collected in household interviews in the Health Interview Survey, a continuing program of the National Center for Health Statistics. Each week respondents in a representative sample of the civilian, noninstitutional population answer questions about health, social, and demographic characteristics of household members

living at the time of the interview. During July 1965 through June 1967 some 84,000 households containing about 268,000 members were included in the probability sample.

A brief description of the statistical design of the survey, the methods of estimation, and the general qualifications of data obtained from surveys is presented in appendix I. Information is also included about the reliability of the estimates. Definitions of certain terms used in this report are explained in appendix II. Since many of the terms have specialized meanings, the reader is urged to examine that section of the report. The questionnaire used during the period July 1966-June 1967 is illustrated in appendix III. The portions of this questionnaire particularly applicable to the data presented in this report are the illness-recall questions 8-14, cards A and B used with questions 12 and 13, the condition pages used to record specific information about each condition reported, and cards D-H used to determine the degree of limitation of activity and mobility among persons with chronic conditions. Each person who reported one or more chronic conditions in response to the illness-recall questions was shown one of cards D-G appropriate to his usual activity status and was asked to select the statement which best described his status with respect to limitation of activity. Similarly, he was shown card H regardless of his activity limitation status and was asked to select the statement which best described his limitation-of-mobility status.

This report deals with limited persons and the chronic conditions causing their limitations. Therefore it is necessary to point out that the respondents in the household interviews report only those chronic conditions which they know about and are willing to talk about in an interview situation. Questionnaire design and interviewer training have been aimed at minimizing the effects of respondent differences in reporting.

The restriction of the survey to the civilian, noninstitutional population living at the time of the interview affects the estimates of persons with chronic limitations. The omission of the institutionalized population reduces the estimated prevalence of persons with chronic conditions and associated limitations of activity and mobility since the proportion of chronically limited persons in institutions is high.

CHRONIC CONDITIONS CAUSING LIMITATIONS OF ACTIVITY AND MOBILITY

Chronic Limitation Status

During July 1965-June 1967 an estimated 94.9 million persons in the civilian population, excluding residents in institutions, had one chronic condition or more reported in health interviews (table 1). This represents 49.5 percent of the population covered by the Health Interview Survey. Of the persons with chronic diseases or impairments, about 22.0 million (23.2 percent of those with chronic conditions) experienced some degree of activity limitation and 6.3 million (6.7 percent of the total with chronic conditions) had some form of mobility limitation as a result of chronic conditions (table 2).

Limitation of activity refers not only to the major activity of the person (his ability to work, keep house, or engage in school or preschool activities) but also to his other activities, such as participation in recreational, civic, or church activities. An estimated 4.1 million persons, 2.1 percent of the total population, were unable to carry on their major activities, 12.3 million were limited in amount or kind of major activity, and 5.6 million were limited in other activities. These last two degrees of activity limitation represent 6.4 percent and 2.9 percent of the total population, respectively. These percentages of limited persons are closely comparable with those for earlier years of the survey shown in the Series 10 report Number 45.

Limitation of mobility refers to the ability to move about freely. About 1.4 million persons were confined to the house except in emergencies; 1.8 million persons needed help of another person or some special aid, crutches, cane, wheelchair, and so forth, to get about; and 3.1 million persons had trouble getting around freely (table A). These groups of persons represent, respectively, 0.7 percent, 0.9 percent, and 1.6 percent of the civilian, noninstitutional population (table 2). Most of the persons with mobility limitation also reported activity limitation. It is quite apparent that the degree of mobility limitation was associated with the degree of activity limitation these persons experienced.

Table A. Number of persons with limitation of mobility and percent distribution by activity limitation status, according to degree of limitation: United States, July 1965-June 1967

Activity limitation status	Total	Has trouble getting around alone	Needs help in getting around	Confined to the house
Number of persons in thousands				
Persons with mobility limitation---	6,312	3,114	1,766	1,432
Percent distribution				
All statuses-----	100.0	100.0	100.0	100.0
Unable to carry on major activity ¹ -----	38.4	21.3	45.4	66.8
Limited in amount or kind of major activity ¹ -----	43.6	53.4	39.6	27.4
Limited, but not in major activity ¹ -----	13.5	20.4	9.1	4.1
Not limited in activity-----	4.5	5.0	5.8	*

¹Major activity refers to ability to work, keep house, or engage in school or pre-school activities.

Table B. Total number of chronic conditions per person and chronic conditions causing limitation of activity and mobility per person, by chronic limitation status: United States, July 1965-June 1967

Chronic limitation status	Number of chronic conditions per person	Number of limiting chronic conditions per person
Persons with 1 chronic condition or more-----	2.2	...
Persons not limited in activities-----	1.8	...
Persons with activity limitation-----	3.4	1.4
Limited, but not in major activity ¹ ---	2.9	1.2
Limited in amount or kind of major activity ¹ -----	3.4	1.3
Unable to carry on major activity ¹ ---	3.8	1.8
Persons not limited in mobility-----	2.0	...
Persons with mobility limitation-----	4.1	1.5
Has trouble getting around alone-----	4.0	1.4
Needs help in getting around-----	4.0	1.4
Confined to the house-----	4.3	1.9

¹Major activity refers to ability to work, keep house, or engage in school or pre-school activities.

Number of Chronic Conditions

Per Person

The 94.9 million persons who had one or more chronic conditions reported in the health interview had a total of 206.1 million chronic illnesses or impairments, an average of 2.2 conditions per person (table B). Persons who were limited in activity or mobility had more conditions per person than did the corresponding group of persons who were not limited. Persons with limitation of activity of any degree reported 3.4 conditions per person, of which 1.4 conditions were called causes of the limitation. As the degree of severity of limitation increased, so did the number of conditions per person, both total prevalence and limiting conditions. In general, persons with mobility limitation had higher average numbers of conditions than did persons with activity limitation.

Conditions Causing Limitation

The 22.0 million persons with limitation of activity named 29.7 million cases of chronic disease or impairment as the cause of the limitation or which contributed to the limitation. The 6.3 million persons with limitation of mobility reported about 9.4 million limiting conditions. In the detailed tables showing causes of limitation, there are 25 selected categories of conditions which include about four-fifths of the total causes of activity limitation and three-fourths of the reported causes of mobility limitation. These proportions are only approximate since the same person may report more than one of these groups as causes of limitation.

In some instances persons in the household interview were reported as limited in activity and as having chronic conditions, but none of these conditions were reported as causing the limited state. In July 1966-June 1967 records were maintained of cause of the limitation other than specific chronic conditions. In response to the question "What does cause this limitation?" the most frequent response was related to the age of the person, "old age," and so forth; other responses were "my general

Table C. Percent of activity limitation by cause: United States, July 1959-June 1967

Cause of activity limitation	Percent
July 1965-June 1967	
Heart conditions-----	16.4
Arthritis and rheumatism-----	14.8
Impairments of back or spine----	8.2
Mental and nervous conditions---	7.8
Impairments of lower extremities and hips-----	6.1
Visual impairments-----	5.6
Hypertension without heart involvement-----	5.4
July 1963-June 1965	
Heart conditions-----	16.0
Arthritis and rheumatism-----	15.4
Mental and nervous conditions---	7.8
Impairments of back or spine----	7.8
Hypertension without heart involvement-----	6.1
Impairments of lower extremities and hips-----	5.9
Visual impairments-----	5.7
July 1961-June 1963	
Heart conditions-----	16.0
Arthritis and rheumatism-----	14.8
Mental and nervous conditions---	7.7
Impairments of back or spine----	7.5
Impairments of lower extremities and hips-----	6.2
Hypertension without heart involvement-----	6.0
Visual impairments-----	5.5
July 1959-June 1961	
Heart conditions-----	16.7
Arthritis and rheumatism-----	15.9
Mental and nervous conditions---	7.0
Hypertension without heart involvement-----	6.8
Impairments of lower extremities and hips-----	6.8
Impairments of back or spine----	6.6
Conditions of genitourinary system-----	5.8

NOTE: Percentages refer to number of persons with condition per 100 limited persons.

condition," "as a precautionary measure." Thus among 22.6 million persons limited in activity during July 1966-June 1967, about 11.3 percent could not specify that one or more of the reported chronic conditions caused their limitation; instead they reported the following causes:

	<i>Number in thousands</i>
Age -----	2,045
General condition -----	29
Other cause -----	430
Unknown cause -----	37

It is probable that the chronic conditions reported in the interview contributed to the general state of health of the person, and thus the limitation of activity would not have been present in lieu of these conditions.

Continuing the pattern reported in the most recent publication from the Health Interview Survey on causes of activity limitation (Series 10, Number 51), the same seven condition groups again were the leading causes of activity limitation. Table C shows the leading causes of limita-

tion of activity for four 2-year intervals. In each of these intervals heart conditions caused or contributed to about 16 percent of all limitations of activity. It is of interest that visual impairments was the eighth leading cause of activity limitation during July 1959-June 1961 and has replaced conditions of genitourinary system on the lists for subsequent years.

The levels of five of the seven groups remained quite stable over the four 2-year time intervals. However, two of them, impairments of back or spine and hypertension without heart involvement, exhibit substantial change. The former increased from 6.6 percent to 8.2 percent and the latter declined from a high of 6.8 percent to 5.4 percent. Figures 1 and 2 show the changes over the time periods by degree of limitation of activity. The rise in level of impairments of back or spine occurs in each of the three degrees of activity limitation, but the greatest rate of increase is in the least severe form of limitation. The reduction in level of hypertension as a cause of limitation is greatest for persons unable to carry on major activity and least for the lowest degree of limitation. Probably the use of antihypertensive drugs

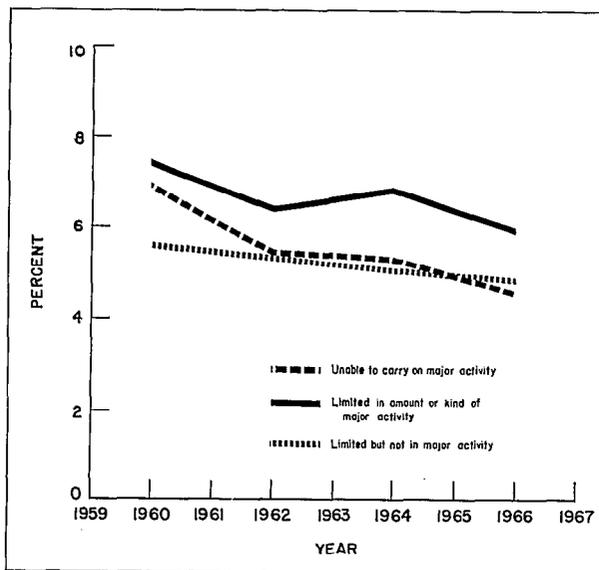


Figure 1. Percent of limitation of activity caused by impairments (except paralysis) of back or spine, by degree of limitation: United States, four 2-year periods July 1959-June 1967.

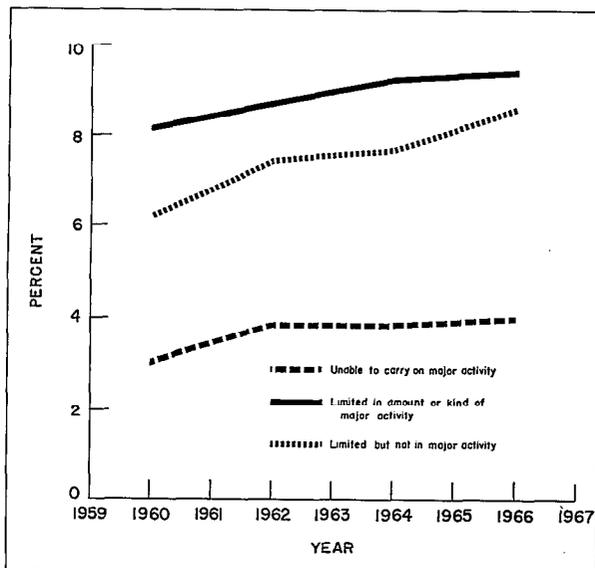


Figure 2. Percent of limitation of activity caused by hypertension without heart involvement, by degree of limitation: United States, four 2-year periods July 1959-June 1967.

is a contributing factor in the reduction in the percentages of limitations caused by this condition.

During July 1965-June 1967 the seven leading causes for all degrees of limitation were, in general, the leading causes for each degree of limitation (table 3). The exceptions were the substitution of asthma-hay fever for visual impairments as the sixth most frequent cause of limitation not affecting major activity and the replacement of impairments of back or spine and hypertension by paralysis, complete or partial, and the category "Other conditions of respiratory system" for the most severe limitation, unable to carry on major activity. Of particular interest was the increasing importance of the two leading causes, heart conditions and arthritis and rheumatism, as degree of limitation increased in severity. For the least severe form of activity limitation an estimated 11.4 percent resulted from heart conditions, while for the most severe the proportion rose to 23.6 percent. Similarly, the proportion of limitations due to arthritis and rheumatism rose from 11.9 to 15.7 percent for the same two classes of limitations.

Table D shows the seven leading causes of mobility limitation for two time periods, July 1959-June 1961 and July 1965-June 1967. Six condition groups appear on both lists. It is necessary to point out that the method of data collection for mobility limitation and its causes differed in the earlier period from that in the later period. During July 1959-June 1961 the persons with activity limitation were the only ones queried about mobility limitation. If mobility limitation was reported, it was assumed that the reported causes of activity limitation were also the causes of mobility limitation. During July 1965-June 1967 the collection of data about mobility limitation was independent of that for activity limitation. Percentages shown in table D for the earlier period for mobility limitation caused by heart conditions, hypertension without heart involvement, and mental and nervous conditions may be higher than they would have been if the same manner of data collection had been used in both periods. Impairments (except paralysis) of back or spine replaced hypertension without heart involvement in the later list. During

Table D. Percent of mobility limitation by cause: United States, July 1959-June 1961 and July 1965-June 1967

Cause of mobility limitation	Percent
July 1965-June 1967	
Arthritis and rheumatism-----	24.4
Heart conditions-----	12.6
Impairments of lower extremities and hips-----	11.4
Paralysis, complete or partial--	10.9
Visual impairments-----	10.4
Impairments of back or spine----	5.2
Mental and nervous conditions---	4.9
July 1959-June 1961	
Arthritis and rheumatism-----	23.5
Heart conditions-----	20.4
Visual impairments-----	12.6
Impairments of lower extremities and hips-----	10.3
Paralysis, complete or partial--	10.0
Hypertension without heart involvement-----	7.6
Mental and nervous conditions---	6.9

the earlier period it was reported that impairments of back or spine caused 4.3 percent of the limitations. During the later period hypertension without heart involvement caused or contributed to 3.4 percent of the limitations.

Table 4 shows that the leading causes of all mobility limitations were also the leading causes for the least severe type of limitations and that six of the seven were leading causes for the other types of mobility limitation. Impairments of the back or spine contributed to having trouble getting around alone but caused a lower proportion of more severe degrees of mobility limitation than did the cause other conditions of circulatory system or conditions of the genitourinary system in requiring persons to be confined to the house. Arthritis and rheumatism caused about the same proportion of the lesser degrees of mobility limitation but declined to 20.5 percent of those limitations requiring confinement to the house. Heart conditions caused a higher proportion of the most severe limitation than for the two lower degrees.

Age and Sex

As age increased, the percentage of the age group reporting some degree of activity limitation rose correspondingly (table 1). Table E shows age-adjusted percentages of persons with limitation of activity by sex and other demographic characteristics. Age adjustment is used to remove the effects on crude rates of differing age distributions among various population groups. Males had relatively more limitations affecting major activities

than did females, but females had a higher proportion of limitations in other activities.

Limitation of mobility was concentrated among persons in older age groups (table 2). Less than 1 percent (0.8) of all persons under 45 years had any degree of mobility limitation. However, among persons aged 45-64 years, 4.9 percent had mobility limitation, and of persons aged 65 years and older, 18.7 percent were so limited. Table F shows almost no difference in age-adjusted proportion of males with mobility limitation (3.4 per-

Table E. Age-adjusted¹ percent distribution of persons by degree of chronic activity limitation, according to selected characteristics: United States, July 1965-June 1967

Selected characteristic	All persons	Persons with no chronic conditions	Persons with 1 chronic condition or more				
			Total	With no limitation of activity	With limitation, but not in major activity ²	With limitation in amount or kind of major activity ²	Unable to carry on major activity ²
Percent distribution							
Population, all ages-----	100.0	50.5	49.5	38.0	2.9	6.4	2.1
<u>Sex</u>							
Male-----	100.0	50.9	49.1	36.4	2.6	6.8	3.3
Female-----	100.0	50.2	49.8	39.4	3.3	6.0	1.1
<u>Color</u>							
White-----	100.0	49.8	50.2	39.0	3.0	6.2	2.0
All other-----	100.0	55.6	44.4	30.6	2.2	7.9	3.6
<u>Family income</u>							
Under \$3,000-----	100.0	48.2	51.8	33.6	3.5	10.6	4.1
\$3,000-\$4,999-----	100.0	51.8	48.2	35.6	2.8	7.5	2.3
\$5,000-\$6,999-----	100.0	51.9	48.1	37.8	2.7	5.9	1.8
\$7,000-\$9,999-----	100.0	50.1	49.9	40.3	3.0	5.1	1.6
\$10,000-\$14,999-----	100.0	49.2	50.8	41.8	3.0	4.5	1.4
\$15,000 and over-----	100.0	50.0	50.0	42.2	3.1	3.5	1.3
<u>Geographic region</u>							
Northeast-----	100.0	54.1	45.9	36.2	2.3	5.6	1.8
North Central-----	100.0	50.8	49.2	38.3	3.2	6.0	1.8
South-----	100.0	48.9	51.1	37.5	2.8	7.9	2.9
West-----	100.0	47.2	52.8	41.5	3.7	5.8	1.8

¹ Adjusted to the age distribution of the total civilian, noninstitutional population of the United States.

² Major activity refers to ability to work, keep house, or engage in school or preschool activities.

Table F. Age-adjusted¹ percent distribution of persons by degree of chronic mobility limitation, according to selected characteristics: United States, July 1965-June 1967

Selected characteristic	All persons	Persons with no chronic conditions	Persons with 1 chronic condition or more				
			Total	With no limitation of mobility	Has trouble getting around alone	Needs help in getting around	Confined to the house
Percent distribution							
Population, all ages-----	100.0	50.5	49.5	46.2	1.6	0.9	0.7
<u>Sex</u>							
Male-----	100.0	50.9	49.1	45.7	1.7	0.9	0.7
Female-----	100.0	50.2	49.8	46.6	1.5	0.9	0.8
<u>Color</u>							
White-----	100.0	49.8	50.2	47.1	1.6	0.9	0.7
All other-----	100.0	55.6	44.4	40.0	2.0	1.5	1.0
<u>Family income</u>							
Under \$3,000-----	100.0	48.2	51.8	46.2	2.8	1.5	1.4
\$3,000-\$4,999-----	100.0	51.8	48.2	44.7	1.8	0.9	0.7
\$5,000-\$6,999-----	100.0	51.9	48.1	45.3	1.4	0.7	0.7
\$7,000-\$9,999-----	100.0	50.1	49.9	47.3	1.3	0.8	0.5
\$10,000-\$14,999-----	100.0	49.2	50.8	48.1	1.4	0.6	0.6
\$15,000 and over-----	100.0	50.0	50.0	47.9	1.0	0.8	0.4
<u>Geographic region</u>							
Northeast-----	100.0	54.1	45.9	43.2	1.2	0.7	0.7
North Central-----	100.0	50.8	49.2	46.0	1.6	0.9	0.7
South-----	100.0	48.9	51.1	47.1	1.9	1.1	1.0
West-----	100.0	47.2	52.8	49.6	1.7	0.9	0.6

¹Adjusted to the age distribution of the civilian, noninstitutional population of the United States.

cent) compared with the proportion of females with this limitation (3.2 percent).

The chief cause of limitation of activity among limited persons under 45 years of age differed from that among those aged 45 years and older (tables G, 5, and 6). The leading cause among the 1.3 million persons under 17 years of age was asthma-hay fever, the chief cause among those 17-44 years was impairments (except paralysis) of back or spine, and the leading cause among persons 45-64 and 65 years and over was heart conditions. In the last two age groups, arthritis

and rheumatism caused or contributed to appreciable proportions of the limitations.

In 1966 the Social Security Administration conducted a survey among the civilian, noninstitutional population aged 18-64 years of age to find out the extent of work-limiting disability in this population group. As part of the study each disabled person was asked to select from a list of 39 conditions the major disabling condition causing the work limitation. The five leading causes of work limitation among persons 18-64 years

of age as taken from table 7 of a report of the study¹ are shown in the table below.

Major disabling condition	Number in thousands	Per- cent
Persons with work-limitation-----	17,753	100.0
Arthritis and rheumatism-----720-727	2,201	12.4
Heart trouble---440-443	2,018	11.4
Back or spine impairments-----	1,952	11.0
High blood pressure-----444-447	966	5.4
Mental illness-nervous trouble---300-324,326	902	5.1

NOTE: Numbers after conditions are code numbers of the Seventh Revision of the International Classification of Diseases.

Table H shows that for persons aged 17-64 years the three leading causes of all activity limitations and of limitation of major activity as reported in the Health Interview Survey were the same as the three most frequently reported causes in the Social Security Administration Survey.

As pointed out in the section "Source and Limitations of the Data," if a person reported one or more chronic conditions, he was shown one of cards D-G based on his usual activity status. Card D was shown to all males aged 17 years and over and to females aged 17 years and over who were not keeping house. Card D asks about ability to work but also includes limitation in other activities. Thus among the respondents for an estimated 107.5 million persons aged 17-64 years during July 1966-June 1967, about 71.9 percent would have been shown card D if they had reported one or more chronic conditions. Thus there is much common ground covered by both surveys and, although the numbers of limited persons in each survey are quite different, the causes of lim-

Table G. Leading causes of activity limitation, by age: United States, July 1965-June 1967

Age and cause of activity limitation	Percent
Under 17 years	
Asthma-hay fever-----	20.0
Impairments of lower extremities and hips-----	8.3
Paralysis, complete or partial- Chronic bronchitis or sinusitis-----	7.4
Mental and nervous conditions--	5.5
Heart conditions-----	3.8
	3.7
17-44 years	
Impairments of back or spine---	15.1
Mental and nervous conditions--	10.6
Impairments of lower extremities and hips-----	7.3
Heart conditions-----	6.6
Arthritis and rheumatism-----	6.3
Asthma-hay fever-----	5.7
Other diseases of muscles, bones, and joints-----	5.6
45-64 years	
Heart conditions-----	19.0
Arthritis and rheumatism-----	16.9
Impairments of back or spine---	9.1
Mental and nervous conditions--	8.8
Hypertension without heart involvement-----	6.5
Impairments of lower extremities and hips-----	5.8
65 years and over	
Heart conditions-----	21.9
Arthritis and rheumatism-----	20.2
Visual impairments-----	9.1
Hypertension without heart involvement-----	7.0
Mental and nervous conditions--	5.8
Impairments of lower extremities and hips-----	5.4

itation are quite similar. Perhaps if only the main condition causing limitation were shown in table H, the Health Interview Survey percentages would agree even more closely with those from the Social Security Administration.

Tables 5 and 6 also show causes of limitation for each sex by age. The leading cause among

¹ Office of Research and Statistics: Epidemiological factors in disability, I, Major disabling conditions, Report No. 6, *Social Security Survey of the Disabled, 1966*, by L.D. Haber, Social Security Administration, Washington., D.C., Feb. 1969.

Table H. Average number and percent distribution of persons aged 17-64 with limitation of activity and those with limitation of major activity by selected chronic conditions causing limitation: United States, July 1965-June 1967

Selected chronic conditions	All degrees of activity limitation	Limited in major activity ¹	All degrees of activity limitation	Limited in major activity ¹
	Average number of persons in thousands ²		Percent distribution ³	
Persons limited in activity----	12,532	8,752	100.0	100.0
Tuberculosis, all forms-----	123	100	1.0	1.1
Malignant neoplasms-----	165	135	1.3	1.5
Benign and unspecified neoplasms-----	149	113	1.2	1.3
Asthma-hay fever-----	585	404	4.7	4.6
Diabetes-----	292	226	2.3	2.6
Mental and nervous conditions-----	1,189	861	9.5	9.8
Heart conditions-----	1,763	1,358	14.1	15.5
Hypertension without heart involve- ment-----	613	417	4.9	4.8
Varicose veins-----	294	194	2.3	2.2
Hemorrhoids-----	176	122	1.4	1.4
Other conditions of circulatory system-----	329	239	2.6	2.7
Chronic sinusitis and bronchitis-----	392	255	3.1	2.9
Other conditions of respiratory system-----	325	272	2.6	3.1
Peptic ulcer-----	339	255	2.7	2.9
Hernia-----	282	217	2.3	2.5
Other conditions of digestive system--	405	311	3.2	3.6
Conditions of genitourinary system--	565	390	4.5	4.5
Arthritis and rheumatism-----	1,581	1,157	12.6	13.2
Other diseases of muscles, bones, and joints-----	620	418	4.9	4.8
Visual impairments-----	435	364	3.5	4.2
Hearing impairments-----	156	107	1.2	1.2
Paralysis, complete or partial-----	467	395	3.7	4.5
Impairments (except paralysis) of back or spine-----	1,438	1,032	11.5	11.8
Impairments (except paralysis and absence) of upper extremities and shoulders-----	297	209	2.4	2.4
Impairments (except paralysis and absence) of lower extremities and hips-----	800	508	6.4	5.8

¹Major activity refers to ability to work, keep house, or engage in school or pre-school activities.

²Summations of conditions causing limitation may be greater than the number of persons limited because a person can report more than one condition as a cause of his limitation; on the other hand, they may be less because only selected conditions are shown.

³Percentages may add to more than 100 because a person can report more than one condition as a cause of his limitation; on the other hand, they may add to less than 100 because only selected conditions are shown.

males under 45 years of age was impairments of back or spine, and the leading cause for persons 45 years and older was heart conditions. Two condition groups, impairments (except paralysis) of back or spine and mental and nervous conditions, caused about the same proportions of activity limitation among females under 45 years of age, 11.4 and 11.5 percent, respectively. Among females 45 years and older, the leading cause of limitation was arthritis and rheumatism and the second most frequent cause was heart conditions.

The leading cause of mobility limitation among persons under 45 years of age was attributed to be paralysis, complete or partial, with impairments (except paralysis and absence) of lower extremities and hips as the second leading cause (tables J and 7). Among persons 45 years and older, the most frequently reported cause of mobility restriction was arthritis and rheumatism. Table 8 shows that this condition group was also the leading cause among males and females of all ages.

Color

Before age adjustment, the proportion of white persons who had any degree of activity limitation was slightly greater than that for all other persons—11.5 compared with 11.2 percent (table 9). However, after correcting for differing age distributions of these population groups, the proportion of white persons who were limited in activity was lowered to 11.2 percent compared with a raise to 13.8 percent for the "all other" group (table E). The color differential is such that a smaller proportion of white persons were limited in major activity but a greater percentage were limited in other activities.

Tables 10 and 11 show that the leading causes of limitation of activity differ to some extent among these two racial categories. Among white persons of all ages, the two leading causes were heart conditions (16.6 percent) and arthritis and rheumatism (14.6 percent). The same pattern existed among white persons 45 years of age and over, whereas among these persons under 45 years of age, the leading cause was impairments of back or spine. Among persons other than white, heart conditions caused or contributed to 14.3 percent of the activity limitations and arthritis and rheumatism

Table J. Leading causes of mobility limitation, by age: United States, July 1965-June 1967

Age and cause of mobility limitation	Percent
Under 17 years	
Paralysis, complete or partial-Impairments of lower extremities and hips-----	28.2 15.3
17-44 years	
Paralysis, complete or partial-Impairments of lower extremities and hips-----	13.6 13.6
Impairments of back or spine---Arthritis and rheumatism-----	11.4 10.4
Mental and nervous conditions--	6.6
45-64 years	
Arthritis and rheumatism-----	25.1
Heart conditions-----	13.0
Paralysis, complete or partial-Impairments of lower extremities and hips-----	10.7 10.6
Visual impairments-----	7.4
Impairments of back or spine---	6.6
Mental and nervous conditions--	5.3
65 years and over	
Arthritis and rheumatism-----	29.3
Heart conditions-----	15.4
Visual impairments-----	13.8
Impairments of lower extremities and hips-----	10.9
Paralysis, complete or partial-	9.0

caused 16.0 percent. Among these persons under 45 years of age, mental and nervous conditions and asthma-hay fever were leading causes. An earlier report from the Health Interview Survey on causes of activity limitation (Series 10, Number 17) includes a discussion about racial differences of two of the causes of limitation; a lower percentage among white persons of hypertension without heart involvement is reported and a higher percentage of the category "Other diseases of muscles, bones, and joints." In the current data these same two groups show conspicuously greater differences than any of the other condition groups. Hypertension was reported as causing about half as many limitations among white persons as among all

other persons. Other diseases of muscles, bones, and joints caused about twice as many limitations among white persons as in the other group.

The proportion with limitation of mobility of any degree among members of the two groups (as shown in table 12 before age adjustment) was approximately the same—3.3 percent for "White" and 3.4 percent for "All other." After age adjustment the proportion for white persons was 3.1 percent and 4.4 percent for all other persons (table F). This differential was spread over each type of limitation in mobility.

The leading cause of mobility limitation for each of the two groups was arthritis and rheumatism—24.3 percent for limited white persons and 25.2 percent for limited persons in the "all other" group (table 13). The second most frequently reported cause for white persons was heart conditions; for all other persons, visual impairments. For the condition groups for which percentages are shown for each group (that is, a percentage above the cutoff point of reliability), there was comparatively little difference in levels of percentages causing or contributing to the limitation.

Family Income

As has been noted previously in reports from the Health Interview Survey, there is an inverse relationship between family income and the proportion of the population in each income group with limitation of activity. During July 1965-June 1967 an estimated 26.4 percent of persons with annual family income under \$3,000 had limitation of activity compared with 6.9 percent of persons with income of \$15,000 or more per year (tables 14 and 15). Since there was a disproportionate number of older persons in the lowest income group, 28.2 percent of those with income under \$3,000 being 65 years and over compared with a corresponding 4.9 percent in the highest income group, it is more suitable to compare the age-adjusted percentages in table E which shows that 18.2 percent of persons in the lowest income class were limited in activity and that this percentage declined steadily with advance in family income to a low of 7.8 percent in the highest income group. In general, the decline in

percentage of limited persons with rising income level was noted for each degree of activity limitation.

Tables 16 and 17 show that the most frequent cause of limitation of activity in five of six income classes was heart conditions. In the lowest income group the leading cause was arthritis and rheumatism with 18.8 percent of the limitations and a close second was heart conditions with 18.2 percent. The second leading condition group for each of the other income categories was arthritis and rheumatism.

To show the effects of both age and income level on the causes of activity limitation, table 18 was prepared with two age groups, under 45 and 45 years and older, and two income groups, under \$5,000 and \$5,000 and over. In the lower income group, the two leading causes for limited persons under 45 years of age were mental and nervous conditions (11.8 percent) and impairments of back or spine (10.3 percent), while among persons aged 45 years and over, the two leading cause categories were heart conditions and arthritis and rheumatism. In the income group \$5,000 and over, the most frequently reported cause among those under 45 years of age was impairments of back or spine and the leading causes in the older age group were heart conditions and arthritis and rheumatism.

In general, the proportion of the population in each income group with limitation of mobility also declined with rise in family income level for both unadjusted and age-adjusted data (tables 19, 20, and F). This pattern was also present for each degree of mobility limitation. As can be seen in table F, after adjusting for uneven age distribution, the proportions of persons with the least severe and the most severe degrees of limitation were approximately three times as large for the lowest income group as for the highest level of income.

Among limited persons in the two lower income groups, the two leading causes of mobility limitation were the same, namely, arthritis and rheumatism and heart conditions (table 21). The former cause was also the leader for the two higher income groups, but paralysis, complete or partial, replaced heart conditions in the second position.

Employment Status

When the population aged 17 years and over is classified by employment status, the proportion of the currently employed group with limitation of activity was lowest with 10.0 percent limited for the unadjusted percentage and 11.9 percent for the age-adjusted data (tables 22 and K). Among the unemployed population and persons not in the labor force, the age-adjusted proportions were 19.4 and 21.7 percent, respectively. A currently employed person is one who had a job or business or worked at any time during the 2-week period prior to the week of interview. An unemployed person is one who did not work, had no job or business, but was looking for work during the 2-week period. About 8.1 percent (age-adjusted) of those currently employed were limited in amount or kind of work performed and 0.3 percent (also age-adjusted) were unable to carry on their major activity. This latter figure may reflect incorrect classification of these persons or may be correct in that the persons sustained the limitation within the 2-week period.

Causes of activity limitation are presented in tables 23 and 24 by age for two groups—in the labor

force and not in the labor force. This grouping was necessary due to the small number of limited persons among the unemployed. The leading cause of limitation was the same, heart conditions, for the two employment status categories for persons of all ages 17 years and over and for those aged 45 years and over. Among persons aged 17-44 years, the leading cause for those in the labor force was impairments of back or spine and for those outside the labor force it was mental and nervous conditions.

The currently employed population had the lowest proportion of persons with limitation of mobility, and those not in the labor force had the most (tables 25 and L). Of the 1.9 percent (age-adjusted data) of the currently employed persons with mobility limitation, most of the limitations affected ability to get around alone freely (1.4 percentage points of the 1.9 percent).

For each of the two employment status groups in table 26 the most frequent condition group causing or contributing to the limitation was the same, arthritis and rheumatism. However, for the persons in the labor force with mobility limitation, the second leading cause was impairments (except

Table K. Age-adjusted¹ percent distribution of persons 17 years and over by degree of chronic activity limitation, according to employment status: United States, July 1965-June 1967

Selected characteristic	All persons 17 years and over	Persons with no chronic conditions	Persons with 1 chronic condition or more				
			Total	With no limitation of activity	With limitation, but not in major ² activity ²	With limitation in amount or kind of major activity ²	Unable to carry on major activity ²
Percent distribution							
Population 17 years and over-----	100.0	36.1	63.9	47.3	4.0	9.5	3.2
Currently employed	100.0	38.4	61.6	49.7	3.5	8.1	0.3
Currently unemployed-----	100.0	36.6	63.4	44.0	4.6	12.7	2.1
Not in labor force-----	100.0	32.7	67.3	45.6	4.6	11.3	5.9

¹Adjusted to the age distribution of persons 17 years and over in the civilian, noninstitutional population of the United States.

²Major activity refers to ability to work, keep house, or engage in school or preschool activities.

Table L. Age-adjusted¹ percent distribution of persons 17 years and over by degree of chronic mobility limitation, according to employment status: United States, July 1965-June 1967

Selected characteristic	All persons 17 years and over	Persons with no chronic conditions	Persons with 1 chronic condition or more				
			Total	With no limitation of mobility	Has trouble getting around alone	Needs help in getting around	Confined to the house
Percent distribution							
Population 17 years and over-----	100.0	36.1	63.9	59.0	2.4	1.4	1.1
Currently employed	100.0	38.4	61.6	59.7	1.4	0.4	0.1
Currently unemployed-----	100.0	36.6	63.4	58.9	2.7	0.9	0.8
Not in labor force-----	100.0	32.7	67.3	59.7	3.5	2.1	2.0

¹Adjusted to the age distribution of persons 17 years and over in the civilian, noninstitutional population of the United States.

paralysis and absence) of lower extremities and hips. For limited persons not in the labor force, the condition group in second place was heart conditions.

Geographic Region

Persons living in the South Region had a somewhat greater proportion with limitation of activity for both unadjusted and age-adjusted data (tables 27, 28, and E). The Northeast Region had the lowest percentage of its civilian, noninstitutional population with limitation. The higher percentage for the South occurred in limitations affecting major activity, while the lower percentage for the Northeast was accounted for by a low percentage of persons limited in other activities. The percentage (age-adjusted) of persons who were unable to carry on major activity was the same in three of the regions and was highest in the South Region.

Among residents of all ages with limitation of activity, the two leading causes of limitation in each region were the same—heart conditions and arthritis and rheumatism (tables 29 and 30). For three of the regions, heart conditions took first position; in the fourth region, the West, these two

condition groups had essentially the same percentages, 14.3 and 14.6 percent, respectively. Among persons under 45 years of age the leading cause was impairments of back or spine, with mental and nervous conditions second in three regions and asthma-hay fever taking first position in the West Region. Among limited persons 45 years and over, the leading causes were the same in each region—heart conditions first and arthritis and rheumatism second.

The South Region had relatively more persons with limitation of mobility than the other regions—both crude percentages and age-adjusted percentages (tables 31, 32, and F). The Northeast Region had slightly smaller percentages than were noted for the other regions. Within each degree of limitation, the variation in percentages by region was small.

The most frequent cause of mobility limitation was arthritis and rheumatism (table 33). The second leading cause in each region was heart conditions except that in the South Region impairments (except paralysis and absence) of lower extremities and hips tied with heart conditions in this position, 12.1 percent being essentially the same as 12.0 percent.



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Table 1. Total population and average number and percent distribution of persons by chronic condition and activity limitation status, according to sex and age: United States, July 1965-June 1967

[Data are based on household interviews of the civilian, noninstitutional population. The survey design, general qualifications, and information on the reliability of the estimates are given in appendix I. Definitions of terms are given in appendix II]

Sex and age	Total population	Persons with no chronic conditions	Persons with 1 chronic condition or more				
			Total	With no limitation of activity	With limitation, but not in major activity ¹	With limitation in amount or kind of major activity ¹	Unable to carry on major activity ¹
<u>Both sexes</u>		Average number of persons in thousands					
All ages-----	191,537	96,684	94,853	72,869	5,637	12,269	4,078
Under 17 years-----	66,921	51,664	15,257	13,957	702	485	113
17-44 years-----	67,901	31,188	36,713	31,694	1,809	2,779	430
45-64 years-----	38,993	11,278	27,714	20,202	1,970	4,449	1,093
65 years and over---	17,723	2,553	15,169	7,017	1,156	4,556	2,441
<u>Male</u>		Average number of persons in thousands					
All ages-----	92,566	47,915	44,651	33,403	2,337	6,032	2,880
Under 17 years-----	34,038	25,806	8,232	7,529	379	258	66
17-44 years-----	32,099	15,202	16,897	14,338	788	1,478	293
45-64 years-----	18,702	5,699	13,003	9,110	817	2,227	849
65 years and over---	7,727	1,208	6,519	2,426	353	2,068	1,672
<u>Female</u>		Average number of persons in thousands					
All ages-----	98,971	48,769	50,202	39,466	3,300	6,238	1,198
Under 17 years-----	32,883	25,858	7,025	6,427	323	227	47
17-44 years-----	35,802	15,986	19,816	17,356	1,021	1,301	137
45-64 years-----	20,290	5,579	14,711	11,092	1,153	2,221	244
65 years and over---	9,996	1,345	8,651	4,591	802	2,488	769
<u>Both sexes</u>		Percent distribution					
All ages-----	100.0	50.5	49.5	38.0	2.9	6.4	2.1
Under 17 years-----	100.0	77.2	22.8	20.9	1.0	0.7	0.2
17-44 years-----	100.0	45.9	54.1	46.7	2.7	4.1	0.6
45-64 years-----	100.0	28.9	71.1	51.8	5.1	11.4	2.8
65 years and over---	100.0	14.4	85.6	39.6	6.5	25.7	13.8
<u>Male</u>		Percent distribution					
All ages-----	100.0	51.8	48.2	36.1	2.5	6.5	3.1
Under 17 years-----	100.0	75.8	24.2	22.1	1.1	0.8	0.2
17-44 years-----	100.0	47.4	52.6	44.7	2.5	4.6	0.9
45-64 years-----	100.0	30.5	69.5	48.7	4.4	11.9	4.5
65 years and over---	100.0	15.6	84.4	31.4	4.6	26.8	21.6
<u>Female</u>		Percent distribution					
All ages-----	100.0	49.3	50.7	39.9	3.3	6.3	1.2
Under 17 years-----	100.0	78.6	21.4	19.5	1.0	0.7	0.1
17-44 years-----	100.0	44.7	55.3	48.5	2.9	3.6	0.4
45-64 years-----	100.0	27.5	72.5	54.7	5.7	10.9	1.2
65 years and over---	100.0	13.5	86.5	45.9	8.0	24.9	7.7

¹Major activity refers to ability to work, keep house, or engage in school or preschool activities.

NOTE: For official population estimates for more general use, see Bureau of the Census reports on the civilian population of the United States in Current Population Reports, Series P-20, P-25, and P-60.

Table 2. Total population and average number and percent distribution of persons by chronic condition and mobility limitation status, according to sex and age: United States, July 1965-June 1967

[Data are based on household interviews of the civilian, noninstitutional population. The survey design, general qualifications, and information on the reliability of the estimates are given in appendix I. Definitions of terms are given in appendix II]

Sex and age	Total population	Persons with no chronic conditions	Persons with 1 chronic condition or more				
			Total	With no limitation of mobility	Has trouble getting around alone	Needs help in getting around	Confined to the house
<u>Both sexes</u>		Average number of persons in thousands					
All ages-----	191,537	96,684	94,853	88,541	3,114	1,766	1,432
Under 17 years-----	66,921	51,664	15,257	15,009	90	82	76
17-44 years-----	67,901	31,188	36,713	35,865	539	163	147
45-64 years-----	38,993	11,278	27,714	25,816	1,124	407	367
65 years and over---	17,723	2,553	15,169	11,852	1,361	1,114	843
<u>Male</u>							
All ages-----	92,566	47,915	44,651	41,744	1,506	823	577
Under 17 years-----	34,038	25,806	8,232	8,098	47	45	42
17-44 years-----	32,099	15,202	16,897	16,449	291	103	54
45-64 years-----	18,702	5,699	13,003	12,034	598	207	165
65 years and over---	7,727	1,208	6,519	5,164	570	468	317
<u>Female</u>							
All ages-----	98,971	48,769	50,202	46,797	1,608	943	855
Under 17 years-----	32,883	25,858	7,025	6,911	43	37	34
17-44 years-----	35,802	15,986	19,816	19,416	248	59	93
45-64 years-----	20,290	5,579	14,711	13,782	527	200	202
65 years and over---	9,996	1,345	8,651	6,688	791	646	526
<u>Both sexes</u>		Percent distribution					
All ages-----	100.0	50.5	49.5	46.2	1.6	0.9	0.7
Under 17 years-----	100.0	77.2	22.8	22.4	0.1	0.1	0.1
17-44 years-----	100.0	45.9	54.1	52.8	0.8	0.2	0.2
45-64 years-----	100.0	28.9	71.1	66.2	2.9	1.0	0.9
65 years and over---	100.0	14.4	85.6	66.9	7.7	6.3	4.8
<u>Male</u>							
All ages-----	100.0	51.8	48.2	45.1	1.6	0.9	0.6
Under 17 years-----	100.0	75.8	24.2	23.8	0.1	0.1	0.1
17-44 years-----	100.0	47.4	52.6	51.2	0.9	0.3	0.2
45-64 years-----	100.0	30.5	69.5	64.3	3.2	1.1	0.9
65 years and over---	100.0	15.6	84.4	66.8	7.4	6.1	4.1
<u>Female</u>							
All ages-----	100.0	49.3	50.7	47.3	1.6	1.0	0.9
Under 17 years-----	100.0	78.6	21.4	21.0	0.1	0.1	0.1
17-44 years-----	100.0	44.7	55.3	54.2	0.7	0.2	0.3
45-64 years-----	100.0	27.5	72.5	67.9	2.6	1.0	1.0
65 years and over---	100.0	13.5	86.5	66.9	7.9	6.5	5.3

NOTE: For official population estimates for more general use, see Bureau of the Census reports on the civilian population of the United States in Current Population Reports; Series P-20, P-25, and P-60.

Table 3. Average number and percent distribution of persons with limitation of activity by selected chronic conditions causing limitation, according to degree of limitation: United States, July 1965-June 1967

[Data are based on household interviews of the civilian, noninstitutional population. The survey design, general qualifications, and information on the reliability of the estimates are given in appendix I. Definitions of terms are given in appendix II]

Selected chronic conditions	All degrees of activity limitation	With limitation, but not in major activity ¹	With limitation in amount or kind of major activity ¹	Unable to carry on major activity ¹	All degrees of activity limitation	With limitation, but not in major activity ¹	With limitation in amount or kind of major activity ¹	Unable to carry on major activity ¹
	Average number of persons in thousands ²				Percent distribution ³			
Persons limited in activity-----	21,984	5,637	12,269	4,078	100.0	100.0	100.0	100.0
Tuberculosis, all forms--	162	*	95	39	0.7	*	0.8	1.0
Malignant neoplasms-----	276	42	130	104	1.3	0.7	1.1	2.6
Benign and unspecified neoplasms-----	220	47	121	52	1.0	0.8	1.0	1.3
Asthma-hay fever-----	1,065	371	536	158	4.8	6.6	4.4	3.9
Diabetes-----	562	87	312	163	2.6	1.5	2.5	4.0
Mental and nervous conditions-----	1,711	411	899	400	7.8	7.3	7.3	9.8
Heart conditions-----	3,600	641	1,995	964	16.4	11.4	16.3	23.6
Hypertension without heart involvement-----	1,187	276	725	187	5.4	4.9	5.9	4.6
Varicose veins-----	435	124	248	63	2.0	2.2	2.0	1.5
Hemorrhoids-----	261	64	151	46	1.2	1.1	1.2	1.1
Other conditions of circulatory system-----	691	157	339	195	3.1	2.8	2.8	4.8
Chronic sinusitis and bronchitis-----	660	199	347	114	3.0	3.5	2.8	2.8
Other conditions of respiratory system-----	595	84	300	212	2.7	1.5	2.4	5.2
Peptic ulcer-----	452	98	264	91	2.1	1.7	2.2	2.2
Hernia-----	521	99	319	103	2.4	1.8	2.6	2.5
Other conditions of digestive system-----	716	140	406	169	3.3	2.5	3.3	4.1
Conditions of genitourinary system-----	894	222	469	203	4.1	3.9	3.8	5.0
Arthritis and rheumatism--	3,248	671	1,938	639	14.8	11.9	15.8	15.7
Other diseases of muscles, bones, and joints--	781	249	451	80	3.6	4.4	3.7	2.0
Visual impairments-----	1,222	164	592	466	5.6	2.9	4.8	11.4
Hearing impairments-----	403	86	190	126	1.8	1.5	1.5	3.1
Paralysis, complete or partial-----	925	128	341	456	4.2	2.3	2.8	11.2
Impairments (except paralysis) of back or spine-----	1,796	483	1,151	162	8.2	8.6	9.4	4.0
Impairments (except paralysis and absence) of upper extremities and shoulders-----	410	112	250	48	1.9	2.0	2.0	1.2
Impairments (except paralysis and absence) of lower extremities and hips-----	1,351	414	680	256	6.1	7.3	5.5	6.3

¹Major activity refers to ability to work, keep house, or engage in school or preschool activities.

²Summations of conditions causing limitation may be greater than the number of persons limited because a person can report more than one condition as a cause of his limitation; on the other hand, they may be less because only selected conditions are shown.

³Percentages may add to more than 100 because a person can report more than one condition as a cause of his limitation; on the other hand, they may add to less than 100 because only selected conditions are shown.

Table 4. Average number and percent distribution of persons with limitation of mobility by selected chronic conditions causing limitation, according to degree of limitation: United States, July 1965-June 1967

[Data are based on household interviews of the civilian, noninstitutional population. The survey design, general qualifications, and information on the reliability of the estimates are given in appendix I. Definitions of terms are given in appendix II]

Selected chronic conditions	All degrees of mobility limitation	Has trouble getting around alone	Needs help in getting around	Confined to the house	All degrees of mobility limitation	Has trouble getting around alone	Needs help in getting around	Confined to the house
	Average number of persons in thousands ¹				Percent distribution ²			
Persons limited in mobility-----	6,312	3,114	1,766	1,432	100.0	100.0	100.0	100.0
Tuberculosis, all forms---	*	*	*	*	*	*	*	*
Malignant neoplasms-----	95	*	*	64	1.5	*	*	4.5
Benign and unspecified neoplasms-----	60	*	*	*	1.0	*	*	*
Asthma-hay fever-----	179	88	*	74	2.8	2.8	*	5.2
Diabetes-----	141	54	*	63	2.2	1.7	*	4.4
Mental and nervous conditions-----	312	129	54	129	4.9	4.1	3.1	9.0
Heart conditions-----	797	382	122	294	12.6	12.3	6.9	20.5
Hypertension without heart involvement-----	212	96	44	72	3.4	3.1	2.5	5.0
Varicose veins-----	123	80	*	*	1.9	2.6	*	*
Hemorrhoids-----	50	*	*	*	0.8	*	*	*
Other conditions of circulatory system-----	245	99	65	81	3.9	3.2	3.7	5.7
Chronic sinusitis and bronchitis-----	118	55	*	59	1.9	1.8	*	4.1
Other conditions of respiratory system-----	152	84	*	60	2.4	2.7	*	4.2
Peptic ulcer-----	60	*	*	*	1.0	*	*	*
Hernia-----	82	48	*	*	1.3	1.5	*	*
Other conditions of digestive system-----	146	67	*	63	2.3	2.2	*	4.4
Conditions of genitourinary system-----	175	72	*	82	2.8	2.3	*	5.7
Arthritis and rheumatism--	1,541	810	438	293	24.4	26.0	24.8	20.5
Other diseases of muscles, bones, and joints-----	208	128	47	32	3.3	4.1	2.7	2.2
Visual impairments-----	656	256	239	160	10.4	8.2	13.5	11.2
Hearing impairments-----	82	*	*	34	1.3	*	*	2.4
Paralysis, complete or partial-----	686	202	298	186	10.9	6.5	16.9	13.0
Impairments (except paralysis) of back or spine-----	330	238	49	43	5.2	7.6	2.8	3.0
Impairments (except paralysis and absence) of upper extremities and shoulders-----	42	*	*	*	0.7	*	*	*
Impairments (except paralysis and absence) of lower extremities and hips-----	717	350	267	99	11.4	11.2	15.1	6.9

¹Summations of conditions causing limitation may be greater than the number of persons limited because a person can report more than one condition as a cause of his limitation; on the other hand, they may be less because only selected conditions are shown.

²Percentages may add to more than 100 because a person can report more than one condition as a cause of his limitation; on the other hand, they may add to less than 100 because only selected conditions are shown.

Table 5. Average number of persons with limitation of activity due to selected chronic conditions, by sex and age:
United States, July 1965-June 1967

[Data are based on household interviews of the civilian, noninstitutional population. The survey design, general qualifications, and information on the reliability of the estimates are given in appendix I. Definitions of terms are given in appendix II]

Selected chronic conditions	Both sexes				Male				Female			
	All ages	Under 45 years	45-64 years	65+ years	All ages	Under 45 years	45-64 years	65+ years	All ages	Under 45 years	45-64 years	65+ years
	Average number of persons in thousands ¹											
Persons limited in activity-----	21,984	6,319	7,513	8,153	11,248	3,262	3,894	4,093	10,736	3,057	3,619	4,060
Tuberculosis, all forms---	162	55	72	35	108	32	50	*	54	*	*	*
Malignant neoplasms-----	276	42	127	107	121	*	57	55	155	33	70	52
Benign and unspecified neoplasms-----	220	85	80	55	80	*	*	30	140	61	54	*
Asthma-hay fever-----	1,065	544	301	220	590	268	169	152	475	276	131	67
Diabetes-----	562	82	219	261	236	38	101	97	325	43	118	163
Mental and nervous conditions-----	1,711	580	659	472	674	229	274	172	1,036	351	385	300
Heart conditions-----	3,600	380	1,430	1,789	1,922	185	829	908	1,678	196	601	881
Hypertension without heart involvement-----	1,187	129	487	571	372	43	151	178	815	86	336	393
Varicose veins-----	435	92	202	141	128	*	59	55	307	78	143	86
Hemorrhoids-----	261	59	117	84	143	*	69	45	118	31	48	39
Other conditions of circulatory system-----	691	162	207	322	335	65	109	161	356	98	98	160
Chronic sinusitis and bronchitis-----	660	218	245	197	342	94	133	116	317	124	112	81
Other conditions of respiratory system-----	595	101	257	237	459	58	205	196	136	43	52	41
Peptic ulcer-----	452	120	220	113	303	80	142	81	149	40	78	32
Hernia-----	521	101	195	225	360	70	129	161	161	32	66	63
Other conditions of digestive system-----	716	145	285	285	315	62	129	124	401	83	157	161
Conditions of genitourinary system-----	894	286	321	286	335	63	102	171	559	224	219	116
Arthritis and rheumatism--	3,248	331	1,267	1,650	1,212	137	483	593	2,035	193	784	1,057
Other diseases of muscles, bones, and joints-----	781	318	339	124	433	196	195	42	347	122	144	81
Visual impairments-----	1,222	187	290	745	616	124	166	326	606	63	124	419
Hearing impairments-----	403	114	89	200	247	74	56	118	155	40	33	82
Paralysis, complete or partial-----	925	286	278	362	534	175	173	186	391	111	105	176
Impairments (except paralysis) of back or spine-----	1,796	796	682	318	1,007	448	402	157	789	349	280	161
Impairments (except paralysis and absence) of upper extremities and shoulders-----	410	153	162	95	252	107	100	45	158	46	62	50
Impairments (except paralysis and absence) of lower extremities and hips-----	1,351	475	433	443	759	328	245	185	593	147	187	258

¹ Summations of conditions causing limitation may be greater than the number of persons limited because a person can report more than one condition as a cause of his limitation; on the other hand, they may be less because only selected conditions are shown.

Table 6. Percent distribution of persons with limitation of activity by selected chronic conditions causing limitation, according to sex and age: United States, July 1965-June 1967

[Data are based on household interviews of the civilian, noninstitutional population. The survey design, general qualifications, and information on the reliability of the estimates are given in appendix I. Definitions of terms are given in appendix II]

Selected chronic conditions	Both sexes				Male				Female			
	All ages	Under 45 years	45-64 years	65+ years	All ages	Under 45 years	45-64 years	65+ years	All ages	Under 45 years	45-64 years	65+ years
	Percent distribution ¹											
Persons limited in activity-----	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Tuberculosis, all forms----	0.7	0.9	1.0	0.4	1.0	1.0	1.3	*	0.5	*	*	*
Malignant neoplasms-----	1.3	0.7	1.7	1.3	1.1	*	1.5	1.3	1.4	1.1	1.9	1.3
Benign and unspecified neoplasms-----	1.0	1.3	1.1	0.7	0.7	*	*	0.7	1.3	2.0	1.5	*
Asthma-hay fever-----	4.8	8.6	4.0	2.7	5.2	8.2	4.3	3.7	4.4	9.0	3.6	1.7
Diabetes-----	2.6	1.3	2.9	3.2	2.1	1.2	2.6	2.4	3.0	1.4	3.3	4.0
Mental and nervous conditions-----	7.8	9.2	8.8	5.8	6.0	7.0	7.0	4.2	9.6	11.5	10.6	7.4
Heart conditions-----	16.4	6.0	19.0	21.9	17.1	5.7	21.3	22.2	15.6	6.4	16.6	21.7
Hypertension without heart involvement-----	5.4	2.0	6.5	7.0	3.3	1.3	3.9	4.3	7.6	2.8	9.3	9.7
Varicose veins-----	2.0	1.5	2.7	1.7	1.1	*	1.5	1.3	2.9	2.6	4.0	2.1
Hemorrhoids-----	1.2	0.9	1.6	1.0	1.3	*	1.8	1.1	1.1	1.0	1.3	1.0
Other conditions of circulatory system-----	3.1	2.6	2.8	3.9	3.0	2.0	2.8	3.9	3.3	3.2	2.7	3.9
Chronic sinusitis and bronchitis-----	3.0	3.4	3.3	2.4	3.0	2.9	3.4	2.8	3.0	4.1	3.1	2.0
Other conditions of respiratory system-----	2.7	1.6	3.4	2.9	4.1	1.8	5.3	4.8	1.3	1.4	1.4	1.0
Peptic ulcer-----	2.1	1.9	2.9	1.4	2.7	2.5	3.6	2.0	1.4	1.3	2.2	0.8
Hernia-----	2.4	1.6	2.6	2.8	3.2	2.1	3.3	3.9	1.5	1.0	1.8	1.6
Other conditions of digestive system-----	3.3	2.3	3.8	3.5	2.8	1.9	3.3	3.0	3.7	2.7	4.3	4.0
Conditions of genitourinary system-----	4.1	4.5	4.3	3.5	3.0	1.9	2.6	4.2	5.2	7.3	6.1	2.9
Arthritis and rheumatism--	14.8	5.2	16.9	20.2	10.8	4.2	12.4	14.5	19.0	6.3	21.7	26.0
Other diseases of muscles, bones, and joints-----	3.6	5.0	4.5	1.5	3.8	6.0	5.0	1.0	3.2	4.0	4.0	2.0
Visual impairments-----	5.6	3.0	3.9	9.1	5.5	3.8	4.3	8.0	5.6	2.1	3.4	10.3
Hearing impairments-----	1.8	1.8	1.2	2.5	2.2	2.3	1.4	2.9	1.4	1.3	0.9	2.0
Paralysis, complete or partial-----	4.2	4.5	3.7	4.4	4.7	5.4	4.4	4.5	3.6	3.6	2.9	4.3
Impairments (except paralysis) of back or spine-	8.2	12.6	9.1	3.9	9.0	13.8	10.3	3.8	7.3	11.4	7.7	4.0
Impairments (except paralysis and absence) of upper extremities and shoulders-----	1.9	2.4	2.2	1.2	2.2	3.3	2.6	1.1	1.5	1.5	1.7	1.2
Impairments (except paralysis and absence) of lower extremities and hips-	6.1	7.5	5.8	5.4	6.7	10.1	6.3	4.5	5.5	4.8	5.2	6.4

¹Percentages may add to more than 100 because a person can report more than one condition as a cause of his limitation; on the other hand, they may add to less than 100 because only selected conditions are shown.

Table 7. Average number and percent distribution of persons with limitation of mobility by selected chronic conditions causing limitation, according to age: United States, July 1965-June 1967

[Data are based on household interviews of the civilian, noninstitutional population. The survey design, general qualifications, and information on the reliability of the estimates are given in appendix I. Definitions of terms are given in appendix II]

Selected chronic conditions	All ages	Under 45 years	45-64 years	65+ years	All ages	Under 45 years	45-64 years	65+ years
	Average number of persons in thousands ¹				Percent distribution ²			
Persons limited in mobility-----	6,312	1,096	1,899	3,318	100.0	100.0	100.0	100.0
Tuberculosis, all forms-----	*	*	*	*	*	*	*	*
Malignant neoplasms-----	95	*	37	48	1.5	*	1.9	1.4
Benign and unspecified neoplasms-----	60	*	*	*	1.0	*	*	*
Asthma-hay fever-----	179	38	61	80	2.8	3.5	3.2	2.4
Diabetes-----	141	*	34	95	2.2	*	1.8	2.9
Mental and nervous conditions-----	312	61	100	151	4.9	5.6	5.3	4.6
Heart conditions-----	797	39	247	511	12.6	3.6	13.0	15.4
Hypertension without heart involvement--	212	*	59	136	3.4	*	3.1	4.1
Varicose veins-----	123	*	56	52	1.9	*	2.9	1.6
Hemorrhoids-----	50	*	*	*	0.8	*	*	*
Other conditions of circulatory system--	245	*	61	163	3.9	*	3.2	4.9
Chronic sinusitis and bronchitis-----	118	*	39	62	1.9	*	2.1	1.9
Other conditions of respiratory system--	152	*	68	72	2.4	*	3.6	2.2
Peptic ulcer-----	60	*	*	*	1.0	*	*	*
Hernia-----	82	*	*	48	1.3	*	*	1.4
Other conditions of digestive system---	146	*	47	84	2.3	*	2.5	2.5
Conditions of genitourinary system-----	175	*	58	91	2.8	*	3.1	2.7
Arthritis and rheumatism-----	1,541	94	476	971	24.4	8.6	25.1	29.3
Other diseases of muscles, bones, and joints-----	208	68	82	58	3.3	6.2	4.3	1.7
Visual impairments-----	656	58	141	457	10.4	5.3	7.4	13.8
Hearing impairments-----	82	*	*	60	1.3	*	*	1.8
Paralysis, complete or partial-----	686	185	204	298	10.9	16.9	10.7	9.0
Impairments (except paralysis) of back or spine-----	330	108	125	97	5.2	9.9	6.6	2.9
Impairments (except paralysis and absence) of upper extremities and shoulders-----	42	*	*	*	0.7	*	*	*
Impairments (except paralysis and absence) of lower extremities and hips--	717	153	201	362	11.4	14.0	10.6	10.9

¹Summations of conditions causing limitation may be greater than the number of persons limited because a person can report more than one condition as a cause of his limitation; on the other hand, they may be less because only selected conditions are shown.

²Percentages may add to more than 100 because a person can report more than one condition as a cause of his limitation; on the other hand, they may add to less than 100 because only selected conditions are shown.

Table 8. Average number and percent distribution of persons with limitation of mobility by selected chronic conditions, according to sex: United States, July 1965-June 1967

[Data are based on household interviews of the civilian, noninstitutional population. The survey design, general qualifications, and information on the reliability of the estimates are given in appendix I. Definitions of terms are given in appendix II]

Selected chronic conditions	Average number of persons in thousands ¹			Percent distribution ²		
	Both sexes	Male	Female	Both sexes	Male	Female
Persons limited in mobility-----	6,312	2,907	3,406	100.0	100.0	100.0
Tuberculosis, all forms-----	*	*	*	*	*	*
Malignant neoplasms-----	95	42	53	1.5	1.4	1.6
Benign and unspecified neoplasms-----	60	*	34	1.0	*	1.0
Asthma-hay fever-----	179	95	84	2.8	3.3	2.5
Diabetes-----	141	46	95	2.2	1.6	2.8
Mental and nervous conditions-----	312	120	192	4.9	4.1	5.6
Heart conditions-----	797	370	426	12.6	12.7	12.5
Hypertension without heart involvement-----	212	51	161	3.4	1.8	4.7
Varicose veins-----	123	39	84	1.9	1.3	2.5
Hemorrhoids-----	50	*	*	0.8	*	*
Other conditions of circulatory system-----	245	113	132	3.9	3.9	3.9
Chronic sinusitis and bronchitis-----	118	64	54	1.9	2.2	1.6
Other conditions of respiratory system-----	152	118	34	2.4	4.1	1.0
Peptic ulcer-----	60	40	*	1.0	1.4	*
Hernia-----	82	51	32	1.3	1.8	0.9
Other conditions of digestive system-----	146	58	89	2.3	2.0	2.6
Conditions of genitourinary system-----	175	82	93	2.8	2.8	2.7
Arthritis and rheumatism-----	1,541	562	979	24.4	19.3	28.7
Other diseases of muscles, bones, and joints-----	208	114	93	3.3	3.9	2.7
Visual impairments-----	656	265	391	10.4	9.1	11.5
Hearing impairments-----	82	31	51	1.3	1.1	1.5
Paralysis, complete or partial-----	686	378	308	10.9	13.0	9.0
Impairments (except paralysis) of back or spine-----	330	179	150	5.2	6.2	4.4
Impairments (except paralysis and absence) of upper extremities and shoulders-----	42	*	*	0.7	*	*
Impairments (except paralysis and absence) of lower extremities and hips-----	717	342	375	11.4	11.8	11.0

¹Summations of conditions causing limitation may be greater than the number of persons limited because a person can report more than one condition as a cause of his limitation; on the other hand, they may be less because only selected conditions are shown.

²Percentages may add to more than 100 because a person can report more than one condition as a cause of his limitation; on the other hand, they may add to less than 100 because only selected conditions are shown.

Table 9. Total population and average number and percent distribution of persons by chronic condition and activity limitation status, according to color and age: United States, July 1965-June 1967

[Data are based on household interviews of the civilian, noninstitutional population. The survey design, general qualifications, and information on the reliability of the estimates are given in appendix I. Definitions of terms are given in appendix II]

Color and age	Total population	Persons with no chronic conditions	Persons with 1 chronic condition or more				
			Total	With no limitation of activity	With limitation, but not in major activity ¹	With limitation in amount or kind of major activity ¹	Unable to carry on major activity ¹
<u>Total</u>			Average number of persons in thousands				
All ages-----	191,537	96,684	94,853	72,869	5,637	12,269	4,078
Under 17 years-----	66,921	51,664	15,257	13,957	702	485	113
17-44 years-----	67,901	31,188	36,713	31,694	1,809	2,779	430
45-64 years-----	38,993	11,278	27,714	20,202	1,970	4,449	1,093
65 years and over---	17,723	2,553	15,169	7,017	1,156	4,556	2,441
<u>White</u>							
All ages-----	168,592	82,885	85,707	66,282	5,181	10,787	3,457
Under 17 years-----	56,997	43,578	13,419	12,332	602	393	93
17-44 years-----	59,968	26,809	33,159	28,859	1,642	2,317	341
45-64 years-----	35,299	10,133	25,167	18,524	1,833	3,893	916
65 years and over---	16,327	2,365	13,961	6,567	1,105	4,184	2,107
<u>All other</u>							
All ages-----	22,946	13,799	9,147	6,587	456	1,483	621
Under 17 years-----	9,923	8,086	1,837	1,625	100	93	*
17-44 years-----	7,933	4,379	3,553	2,834	168	462	89
45-64 years-----	3,693	1,146	2,548	1,677	138	556	177
65 years and over---	1,396	188	1,208	450	51	372	334
<u>Total</u>			Percent distribution				
All ages-----	100.0	50.5	49.5	38.0	2.9	6.4	2.1
Under 17 years-----	100.0	77.2	22.8	20.9	1.0	0.7	0.2
17-44 years-----	100.0	45.9	54.1	46.7	2.7	4.1	0.6
45-64 years-----	100.0	28.9	71.1	51.8	5.1	11.4	2.8
65 years and over---	100.0	14.4	85.6	39.6	6.5	25.7	13.8
<u>White</u>							
All ages-----	100.0	49.2	50.8	39.3	3.1	6.4	2.1
Under 17 years-----	100.0	76.5	23.5	21.6	1.1	0.7	0.2
17-44 years-----	100.0	44.7	55.3	48.1	2.7	3.9	0.6
45-64 years-----	100.0	28.7	71.3	52.5	5.2	11.0	2.6
65 years and over---	100.0	14.5	85.5	40.2	6.8	25.6	12.9
<u>All other</u>							
All ages-----	100.0	60.1	39.9	28.7	2.0	6.5	2.7
Under 17 years-----	100.0	81.5	18.5	16.4	1.0	0.9	*
17-44 years-----	100.0	55.2	44.8	35.7	2.1	5.8	1.1
45-64 years-----	100.0	31.0	69.0	45.4	3.7	15.1	4.8
65 years and over---	100.0	13.5	86.5	32.2	3.7	26.6	23.9

¹Major activity refers to ability to work, keep house, or engage in school or preschool activities.

NOTE: For official population estimates for more general use, see Bureau of the Census reports on the civilian population of the United States in Current Population Reports; Series P-20, P-25, and P-60.

Table 10. Average number of persons with limitation of activity due to selected chronic conditions, by color and age: United States, July 1965-June 1967

[Data are based on household interviews of the civilian, noninstitutional population. The survey design, general qualifications, and information on the reliability of the estimates are given in appendix I. Definitions of terms are given in appendix II]

Selected chronic conditions	Total	White			All other		
		All ages	Under 45 years	45+ years	All ages	Under 45 years	45+ years
Average number of persons in thousands ¹							
Persons limited in activity-----	21,984	19,425	5,388	14,037	2,560	931	1,628
Tuberculosis, all forms-----	162	130	39	92	32	*	*
Malignant neoplasms-----	276	259	37	222	*	*	*
Benign and unspecified neoplasms-----	220	180	67	114	40	*	*
Asthma-hay fever-----	1,065	911	448	463	153	96	57
Diabetes-----	562	479	70	409	83	*	71
Mental and nervous conditions-----	1,711	1,479	476	1,002	232	103	129
Heart conditions-----	3,600	3,233	309	2,924	367	71	295
Hypertension without heart involvement---	1,187	960	89	872	226	40	186
Varicose veins-----	435	395	76	319	40	*	*
Hemorrhoids-----	261	217	46	171	43	*	30
Other conditions of circulatory system---	691	628	138	490	63	*	39
Chronic sinusitis and bronchitis-----	660	603	185	418	57	33	*
Other conditions of respiratory system---	595	558	88	470	37	*	*
Peptic ulcer-----	452	396	104	292	56	*	41
Hernia-----	521	478	86	393	42	*	*
Other conditions of digestive system----	716	626	111	515	89	34	55
Conditions of genitourinary system-----	894	752	235	517	142	51	91
Arthritis and rheumatism-----	3,248	2,838	289	2,549	410	41	368
Other diseases of muscles, bones, and joints-----	781	740	301	439	41	*	*
Visual impairments-----	1,222	1,061	156	905	161	31	130
Hearing impairments-----	403	375	103	272	*	*	*
Paralysis, complete or partial-----	925	812	259	553	113	*	87
Impairments (except paralysis) of back or spine-----	1,796	1,601	712	889	195	84	111
Impairments (except paralysis and absence) of upper extremities and shoulders-----	410	347	126	221	63	*	36
Impairments (except paralysis and absence) of lower extremities and hips-----	1,351	1,182	404	778	170	72	98

¹Summations of conditions causing limitation may be greater than the number of persons limited because a person can report more than one condition as a cause of his limitation; on the other hand, they may be less because only selected conditions are shown.

Table 11. Percent distribution of persons with limitation of activity by selected chronic conditions causing limitation, according to color and age: United States, July 1965-June 1967
 [Data are based on household interviews of the civilian, noninstitutional population. The survey design, general qualifications, and information on the reliability of the estimates are given in appendix I. Definitions of terms are given in appendix II]

Selected chronic conditions	Total	White			All other		
		All ages	Under 45 years	45+ years	All ages	Under 45 years	45+ years
	Percent distribution ¹						
Persons limited in activity-----	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Tuberculosis, all forms-----	0.7	0.7	0.7	0.7	1.3	*	*
Malignant neoplasms-----	1.3	1.3	0.7	1.6	*	*	*
Benign and unspecified neoplasms-----	1.0	0.9	1.2	0.8	1.6	*	*
Asthma-hay fever-----	4.8	4.7	8.3	3.3	6.0	10.3	3.5
Diabetes-----	2.6	2.5	1.3	2.9	3.2	*	4.4
Mental and nervous conditions-----	7.8	7.6	8.8	7.1	9.1	11.1	7.9
Heart conditions-----	16.4	16.6	5.7	20.8	14.3	7.6	18.1
Hypertension without heart involvement---	5.4	4.9	1.7	6.2	8.8	4.3	11.4
Varicose veins-----	2.0	2.0	1.4	2.3	1.6	*	*
Hemorrhoids-----	1.2	1.1	0.9	1.2	1.7	*	1.8
Other conditions of circulatory system---	3.1	3.2	2.6	3.5	2.5	*	2.4
Chronic sinusitis and bronchitis-----	3.0	3.1	3.4	3.0	2.2	3.5	*
Other conditions of respiratory system---	2.7	2.9	1.6	3.3	1.4	*	*
Peptic ulcer-----	2.1	2.0	1.9	2.1	2.2	*	2.5
Hernia-----	2.4	2.5	1.6	2.8	1.6	*	*
Other conditions of digestive system-----	3.3	3.2	2.1	3.7	3.5	3.7	3.4
Conditions of genitourinary system-----	4.1	3.9	4.4	3.7	5.5	5.5	5.6
Arthritis and rheumatism-----	14.8	14.6	5.4	18.2	16.0	4.4	22.6
Other diseases of muscles, bones, and joints-----	3.6	3.8	5.6	3.1	1.6	*	*
Visual impairments-----	5.6	5.5	2.9	6.4	6.3	3.3	8.0
Hearing impairments-----	1.8	1.9	1.9	1.9	*	*	*
Paralysis, complete or partial-----	4.2	4.2	4.8	3.9	4.4	*	5.3
Impairments (except paralysis) of back or spine-----	8.2	8.2	13.2	6.3	7.6	9.0	6.8
Impairments (except paralysis and absence) of upper extremities and shoulders-----	1.9	1.8	2.3	1.6	2.5	*	2.2
Impairments (except paralysis and absence) of lower extremities and hips-----	6.1	6.1	7.5	5.5	6.6	7.7	6.0

¹ Percentages may add to more than 100 because a person can report more than one condition as a cause of his limitation; on the other hand, they may add to less than 100 because only selected conditions are shown.

Table 12. Total population and average number and percent distribution of persons by chronic condition and mobility limitation status, according to color and age: United States, July 1965-June 1967

[Data are based on household interviews of the civilian, noninstitutional population. The survey design, general qualifications, and information on the reliability of the estimates are given in appendix I. Definitions of terms are given in appendix II]

Color and age	Total population	Persons with no chronic conditions	Persons with 1 chronic condition or more				
			Total	With no limitation of mobility	Has trouble getting around alone	Needs help in getting around	Confined to the house
<u>Total</u>		Average number of persons in thousands					
All ages-----	191,537	96,684	94,853	88,541	3,114	1,766	1,432
Under 17 years-----	66,921	51,664	15,257	15,009	90	82	76
17-44 years-----	67,901	31,188	36,713	35,865	539	163	147
45-64 years-----	38,993	11,278	27,714	25,816	1,124	407	367
65 years and over---	17,723	2,553	15,169	11,852	1,361	1,114	843
<u>White</u>		Average number of persons in thousands					
All ages-----	168,592	82,885	85,707	80,161	2,760	1,522	1,264
Under 17 years-----	56,997	43,578	13,419	13,207	80	73	59
17-44 years-----	59,968	26,809	33,159	32,464	443	134	119
45-64 years-----	35,299	10,133	25,167	23,499	998	343	327
65 years and over---	16,327	2,365	13,961	10,992	1,239	972	759
<u>All other</u>		Average number of persons in thousands					
All ages-----	22,946	13,799	9,147	8,380	355	244	168
Under 17 years-----	9,923	8,086	1,837	1,802	*	*	*
17-44 years-----	7,933	4,379	3,553	3,401	96	*	*
45-64 years-----	3,693	1,146	2,548	2,317	126	65	40
65 years and over---	1,396	188	1,208	860	122	142	84
<u>Total</u>		Percent distribution					
All ages-----	100.0	50.5	49.5	46.2	1.6	0.9	0.7
Under 17 years-----	100.0	77.2	22.8	22.4	0.1	0.1	0.1
17-44 years-----	100.0	45.9	54.1	52.8	0.8	0.2	0.2
45-64 years-----	100.0	28.9	71.1	66.2	2.9	1.0	0.9
65 years and over---	100.0	14.4	85.6	66.9	7.7	6.3	4.8
<u>White</u>		Percent distribution					
All ages-----	100.0	49.2	50.8	47.5	1.6	0.9	0.7
Under 17 years-----	100.0	76.5	23.5	23.2	0.1	0.1	0.1
17-44 years-----	100.0	44.7	55.3	54.1	0.7	0.2	0.2
45-64 years-----	100.0	28.7	71.3	66.6	2.8	1.0	0.9
65 years and over---	100.0	14.5	85.5	67.3	7.6	6.0	4.6
<u>All other</u>		Percent distribution					
All ages-----	100.0	60.1	39.9	36.5	1.5	1.1	0.7
Under 17 years-----	100.0	81.5	18.5	18.2	*	*	*
17-44 years-----	100.0	55.2	44.8	42.9	1.2	*	*
45-64 years-----	100.0	31.0	69.0	62.7	3.4	1.8	1.1
65 years and over---	100.0	13.5	86.5	61.6	8.7	10.2	6.0

NOTE: For official population estimates for more general use, see Bureau of the Census reports on the civilian population of the United States in Current Population Reports, Series P-20, P-25, and P-60.

Table 13. Average number and percent distribution of persons with limitation of mobility, by selected chronic conditions causing limitation, according to color: United States, July 1965-June 1967

[Data are based on household interviews of the civilian, noninstitutional population. The survey design, general qualifications, and information on the reliability of the estimates are given in appendix I. Definitions of terms are given in appendix II]

Selected chronic conditions	Total			Percent distribution ²		
	Total	White	All other	Total	White	All other
	Average number of persons in thousands ¹			Percent distribution ²		
Persons limited in mobility-----	6,312	5,546	767	100.0	100.0	100.0
Tuberculosis, all forms-----	*	*	*	*	*	*
Malignant neoplasms-----	95	91	*	1.5	1.6	*
Benign and unspecified neoplasms-----	60	51	*	1.0	0.9	*
Asthma-hay fever-----	179	151	*	2.8	2.7	*
Diabetes-----	141	121	*	2.2	2.2	*
Mental and nervous conditions-----	312	282	30	4.9	5.1	3.9
Heart conditions-----	797	717	79	12.6	12.9	10.3
Hypertension without heart involvement-----	212	176	35	3.4	3.2	4.6
Varicose veins-----	123	117	*	1.9	2.1	*
Hemorrhoids-----	50	43	*	0.8	0.8	*
Other conditions of circulatory system-----	245	222	*	3.9	4.0	*
Chronic sinusitis and bronchitis-----	118	109	*	1.9	2.0	*
Other conditions of respiratory system-----	152	149	*	2.4	2.7	*
Peptic ulcer-----	60	55	*	1.0	1.0	*
Hernia-----	82	75	*	1.3	1.4	*
Other conditions of digestive system-----	146	130	*	2.3	2.3	*
Conditions of genitourinary system-----	175	150	*	2.8	2.7	*
Arthritis and rheumatism-----	1,541	1,347	193	24.4	24.3	25.2
Other diseases of muscles, bones, and joints-----	208	194	*	3.3	3.5	*
Visual impairments-----	656	562	93	10.4	10.1	12.1
Hearing impairments-----	82	74	*	1.3	1.3	*
Paralysis, complete or partial-----	686	597	90	10.9	10.8	11.7
Impairments (except paralysis) of back or spine-----	330	285	45	5.2	5.1	5.9
Impairments (except paralysis and absence) of upper extremities and shoulders-----	42	37	*	0.7	0.7	*
Impairments (except paralysis and absence) of lower extremities and hips-----	717	628	88	11.4	11.3	11.5

¹Summations of conditions causing limitation may be greater than the number of persons limited because a person can report more than one condition as a cause of his limitation; on the other hand, they may be less because only selected conditions are shown.

²Percentages may add to more than 100 because a person can report more than one condition as a cause of his limitation; on the other hand, they may add to less than 100 because only selected conditions are shown.

Table 14. Total population and average number of persons by chronic condition and activity limitation status, family income, and age: United States, July 1965-June 1967

[Data are based on household interviews of the civilian, noninstitutional population. The survey design, general qualifications, and information on the reliability of the estimates are given in appendix I. Definitions of terms are given in appendix II]

Family income and age	Total population	Persons with no chronic conditions	Persons with 1 chronic condition or more				
			Total	With no limitation of activity	With limitation, but not in major activity ¹	With limitation in amount or kind of activity ¹	Unable to carry on major activity ¹
<u>All incomes</u> ²		Average number of persons in thousands					
All ages-----	191,537	96,684	94,853	72,869	5,637	12,269	4,078
Under 45 years-----	134,822	82,852	51,970	45,651	2,511	3,265	543
45-64 years-----	38,993	11,278	27,714	20,202	1,970	4,449	1,093
65+ years-----	17,723	2,553	15,169	7,017	1,156	4,556	2,441
<u>Under \$3,000</u>							
All ages-----	29,412	11,428	17,984	10,211	1,282	4,478	2,013
Under 45 years-----	15,210	9,311	5,899	4,706	338	667	188
45-64 years-----	5,922	1,167	4,755	2,464	371	1,407	513
65+ years-----	8,280	950	7,329	3,041	572	2,404	1,312
<u>\$3,000-\$4,999</u>							
All ages-----	31,145	15,983	15,162	11,084	903	2,415	761
Under 45 years-----	21,629	13,869	7,760	6,596	393	642	129
45-64 years-----	6,106	1,608	4,498	3,051	305	907	235
65+ years-----	3,410	506	2,904	1,438	204	865	397
<u>\$5,000-\$6,999</u>							
All ages-----	37,346	20,338	17,008	13,855	924	1,788	442
Under 45 years-----	28,558	17,905	10,653	9,432	492	646	83
45-64 years-----	6,972	2,137	4,835	3,680	328	697	129
65+ years-----	1,817	296	1,521	743	105	444	229
<u>\$7,000-\$9,999</u>							
All ages-----	42,001	22,335	19,666	16,588	1,104	1,622	351
Under 45 years-----	32,861	19,756	13,106	11,752	611	669	74
45-64 years-----	7,679	2,324	5,354	4,228	400	638	88
65+ years-----	1,461	255	1,206	609	93	315	188
<u>\$10,000-\$14,999</u>							
All ages-----	30,283	15,637	14,647	12,608	828	1,010	201
Under 45 years-----	22,896	13,497	9,399	8,530	442	394	33
45-64 years-----	6,438	1,986	4,452	3,669	316	416	50
65+ years-----	950	154	796	409	70	199	117
<u>\$15,000+</u>							
All ages-----	13,328	6,665	6,662	5,747	399	407	110
Under 45 years-----	9,095	5,398	3,697	3,369	181	135	*
45-64 years-----	3,583	1,156	2,427	2,073	169	161	*
65+ years-----	649	111	538	305	49	110	74

¹ Major activity refers to ability to work, keep house, or engage in school or preschool activities.

² Includes unknown income.

NOTE: For official population estimates for more general use, see Bureau of the Census reports on the civilian population of the United States in Current Population Reports, Series P-20, P-25, and P-60.

Table 15. Percent distribution of persons by chronic condition and activity limitation status, according to family income and age: United States, July 1965-June 1967

[Data are based on household interviews of the civilian, noninstitutional population. The survey design, general qualifications, and information on the reliability of the estimates are given in appendix I. Definitions of terms are given in appendix II]

Family income and age	Total population	Persons with no chronic conditions	Persons with 1 chronic condition or more				
			Total	With no limitation of activity	With limitation, but not in major activity ¹	With limitation in amount or kind of major activity ¹	Unable to carry on major activity ¹
<u>All incomes</u> ²		Percent distribution					
All ages-----	100.0	50.5	49.5	38.0	2.9	6.4	2.1
Under 45 years-----	100.0	61.5	38.5	33.9	1.9	2.4	0.4
45-64 years-----	100.0	28.9	71.1	51.8	5.1	11.4	2.8
65+ years-----	100.0	14.4	85.6	39.6	6.5	25.7	13.8
<u>Under \$3,000</u>							
All ages-----	100.0	38.9	61.1	34.7	4.4	15.2	6.8
Under 45 years-----	100.0	61.2	38.8	30.9	2.2	4.4	1.2
45-64 years-----	100.0	19.7	80.3	41.6	6.3	23.8	8.7
65+ years-----	100.0	11.5	88.5	36.7	6.9	29.0	15.8
<u>\$3,000-\$4,999</u>							
All ages-----	100.0	51.3	48.7	35.6	2.9	7.8	2.4
Under 45 years-----	100.0	64.1	35.9	30.5	1.8	3.0	0.6
45-64 years-----	100.0	26.3	73.7	50.0	5.0	14.9	3.8
65+ years-----	100.0	14.8	85.2	42.2	6.0	25.4	11.6
<u>\$5,000-\$6,999</u>							
All ages-----	100.0	54.5	45.5	37.1	2.5	4.8	1.2
Under 45 years-----	100.0	62.7	37.3	33.0	1.7	2.3	0.3
45-64 years-----	100.0	30.7	69.3	52.8	4.7	10.0	1.9
65+ years-----	100.0	16.3	83.7	40.9	5.8	24.4	12.6
<u>\$7,000-\$9,999</u>							
All ages-----	100.0	53.2	46.8	39.5	2.6	3.9	0.8
Under 45 years-----	100.0	60.1	39.9	35.8	1.9	2.0	0.2
45-64 years-----	100.0	30.3	69.7	55.1	5.2	8.3	1.1
65+ years-----	100.0	17.5	82.5	41.7	6.4	21.6	12.9
<u>\$10,000-\$14,999</u>							
All ages-----	100.0	51.6	48.4	41.6	2.7	3.3	0.7
Under 45 years-----	100.0	58.9	41.1	37.3	1.9	1.7	0.1
45-64 years-----	100.0	30.8	69.2	57.0	4.9	6.5	0.8
65+ years-----	100.0	16.2	83.8	43.1	7.4	20.9	12.3
<u>\$15,000+</u>							
All ages-----	100.0	50.0	50.0	43.1	3.0	3.1	0.8
Under 45 years-----	100.0	59.4	40.6	37.0	2.0	1.5	*
45-64 years-----	100.0	32.3	67.7	57.9	4.7	4.5	*
65+ years-----	100.0	17.1	82.9	47.0	7.6	16.9	11.4

¹Major activity refers to ability to work, keep house, or engage in school or preschool activities.

²Includes unknown income.

Table 16. Average number of persons with limitation of activity due to selected chronic conditions, by family income: United States, July 1965-June 1967

[Data are based on household interviews of the civilian, noninstitutional population. The survey design, general qualifications, and information on the reliability of the estimates are given in appendix I. Definitions of terms are given in appendix II]

Selected chronic conditions	All incomes ¹	Under \$3,000	\$3,000- \$4,999	\$5,000- \$6,999	\$7,000- \$9,999	\$10,000- \$14,999	\$15,000+
Persons limited in activity-----	21,984	7,773	4,078	3,154	3,078	2,039	915
Tuberculosis, all forms-----	162	66	36	*	*	*	*
Malignant neoplasms-----	276	97	50	34	37	*	*
Benign and unspecified neoplasms-----	220	84	39	41	*	*	*
Asthma-hay fever-----	1,065	361	191	166	160	115	41
Diabetes-----	562	242	102	79	55	37	*
Mental and nervous conditions	1,711	729	316	241	193	111	51
Heart conditions-----	3,600	1,413	691	470	408	291	157
Hypertension without heart involvement-----	1,187	566	201	143	129	77	*
Varicose veins-----	435	180	72	66	51	38	*
Hemorrhoids-----	261	134	41	33	*	*	*
Other conditions of circulatory system-----	691	276	122	96	95	39	34
Chronic sinusitis and bronchitis-----	660	243	118	104	84	64	*
Other conditions of respiratory system-----	595	239	131	76	71	43	*
Peptic ulcer-----	452	184	84	66	59	*	*
Hernia-----	521	207	105	68	62	40	*
Other conditions of digestive system-----	716	337	117	83	66	50	*
Conditions of genitourinary system-----	894	370	159	124	102	64	34
Arthritis and rheumatism-----	3,248	1,459	558	394	356	230	113
Other diseases of muscles, bones, and joints-----	781	156	131	150	165	106	52
Visual impairments-----	1,222	580	209	133	117	79	47
Hearing impairments-----	403	164	61	65	48	41	*
Paralysis, complete or partial	925	353	166	119	121	82	44
Impairments (except paralysis) of back or spine-----	1,796	503	291	275	354	213	84
Impairments (except paralysis and absence) of upper extremities and shoulders----	410	125	82	70	59	44	*
Impairments (except paralysis and absence) of lower extremities and hips-----	1,351	463	249	206	199	110	55

¹Includes unknown income.

²Summations of conditions causing limitation may be greater than the number of persons limited because a person can report more than one condition as a cause of his limitation; on the other hand, they be less because only selected conditions are shown.

Table 17. Percent distribution of persons with limitation of activity by selected chronic conditions causing limitation, according to family income: United States, July 1965-June 1967

[Data are based on household interviews of the civilian, noninstitutional population. The survey design, general qualifications, and information on the reliability of the estimates are given in appendix I. Definitions of terms are given in appendix II]

Selected chronic conditions	All incomes ¹	Under \$3,000	\$3,000-\$4,999	\$5,000-\$6,999	\$7,000-\$9,999	\$10,000-\$14,999	\$15,000+
	Percent distribution ²						
Persons limited in activity-----	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Tuberculosis, all forms-----	0.7	0.8	0.9	*	*	*	*
Malignant neoplasms-----	1.3	1.2	1.2	1.1	1.2	*	*
Benign and unspecified neoplasms-----	1.0	1.1	1.0	1.3	*	*	*
Asthma-hay fever-----	4.8	4.6	4.7	5.3	5.2	5.6	4.5
Diabetes-----	2.6	3.1	2.5	2.5	1.8	1.8	*
Mental and nervous conditions-----	7.8	9.4	7.7	7.6	6.3	5.4	5.6
Heart conditions-----	16.4	18.2	16.9	14.9	13.3	14.3	17.2
Hypertension without heart involvement-----	5.4	7.3	4.9	4.5	4.2	3.8	*
Varicose veins-----	2.0	2.3	1.8	2.1	1.7	1.9	* 1
Hemorrhoids-----	1.2	1.7	1.0	1.0	*	*	*
Other conditions of circulatory system-----	3.1	3.6	3.0	3.0	3.1	1.9	3.7
Chronic sinusitis and bronchitis-----	3.0	3.1	2.9	3.3	2.7	3.1	*
Other conditions of respiratory system-----	2.7	3.1	3.2	2.4	2.3	2.1	*
Peptic ulcer-----	2.1	2.4	2.1	2.1	1.9	1.4	*
Hernia-----	2.4	2.7	2.6	2.2	2.0	2.0	*
Other conditions of digestive system-----	3.3	4.3	2.9	2.6	2.1	2.5	*
Conditions of genitourinary system-----	4.1	4.8	3.9	3.9	3.3	3.1	3.7
Arthritis and rheumatism-----	14.8	18.8	13.7	12.5	11.6	11.3	12.3
Other diseases of muscles, bones, and joints-----	3.6	2.0	3.2	4.8	5.4	5.2	5.7
Visual impairments-----	5.6	7.5	5.1	4.2	3.8	3.9	5.1
Hearing impairments-----	1.8	2.1	1.5	2.1	1.6	2.0	*
Paralysis, complete or partial-----	4.2	4.5	4.1	3.8	3.9	4.0	4.8
Impairments (except paralysis) of back or spine-----	8.2	6.5	7.1	8.7	11.5	10.4	9.2
Impairments (except paralysis and absence) of upper extremities and shoulders-----	1.9	1.6	2.0	2.2	1.9	2.2	*
Impairments (except paralysis and absence) of lower extremities and hips-----	6.1	6.0	6.1	6.5	6.5	5.4	6.0

¹Includes unknown income.

²Percentages may add to more than 100 because a person can report more than one condition as a cause of his limitation; on the other hand, they may add to less than 100 because only selected conditions are shown.

Table 18. Average number and percent distribution of persons with limitation of activity by selected chronic conditions causing limitation, according to family income and age: United States, July 1965-June 1967

[Data are based on household interviews of the civilian, noninstitutional population. The survey design, general qualifications, and information on the reliability of the estimates are given in appendix I. Definitions of terms are given in appendix II]

Selected chronic conditions	Total ¹	Under \$5,000		\$5,000 and over		All incomes ¹	Under \$5,000		\$5,000 and over	
		Under 45 years	45+ years	Under 45 years	45+ years	All ages	Under 45 years	45+ years	Under 45 years	45+ years
Persons limited in activity-----	21,984	2,358	9,493	3,773	5,412	100.0	100.0	100.0	100.0	100.0
Tuberculosis, all forms-----	162	32	70	*	32	0.7	1.4	0.7	*	0.6
Malignant neoplasms-----	276	*	132	*	88	1.3	*	1.4	*	1.6
Benign and unspecified neoplasms-----	220	31	92	52	37	1.0	1.3	1.0	1.4	0.7
Asthma-hay fever-----	1,065	199	353	328	154	4.8	8.4	3.7	8.7	2.8
Diabetes-----	562	30	315	49	141	2.6	1.3	3.3	1.3	2.6
Mental and nervous conditions-----	1,711	278	766	283	313	7.8	11.8	8.1	7.5	5.8
Heart conditions-----	3,600	151	1,953	222	1,104	16.4	6.4	20.6	5.9	20.4
Hypertension without heart involvement-----	1,187	70	697	58	318	5.4	3.0	7.3	1.5	5.9
Varicose veins-----	435	38	213	52	111	2.0	1.6	2.2	1.4	2.1
Hemorrhoids-----	261	*	149	32	47	1.2	*	1.6	0.8	0.9
Other conditions of circulatory system-----	691	61	337	97	167	3.1	2.6	3.5	2.6	3.1
Chronic sinusitis and bronchitis-----	660	75	286	136	140	3.0	3.2	3.0	3.6	2.6
Other conditions of respiratory system-----	595	44	326	53	152	2.7	1.9	3.4	1.4	2.8
Peptic ulcer-----	452	52	216	61	104	2.1	2.2	2.3	1.6	1.9
Hernia-----	521	37	275	61	128	2.4	1.6	2.9	1.6	2.4
Other conditions of digestive system-----	716	66	388	74	150	3.3	2.8	4.1	2.0	2.8
Conditions of genitourinary system-----	894	117	413	162	162	4.1	5.0	4.4	4.3	3.0
Arthritis and rheumatism-----	3,248	121	1,897	203	890	14.8	5.1	20.0	5.4	16.4
Other diseases of muscles, bones, and joints-----	781	75	212	237	236	3.6	3.2	2.2	6.3	4.4
Visual impairments-----	1,222	88	700	93	284	5.6	3.7	7.4	2.5	5.2
Hearing impairments-----	403	43	182	68	97	1.8	1.8	1.9	1.8	1.8
Paralysis, complete or partial-----	925	101	418	178	187	4.2	4.3	4.4	4.7	3.5
Impairments (except paralysis) of back or spine-----	1,796	242	552	530	397	8.2	10.3	5.8	14.0	7.3
Impairments (except paralysis and absence) of upper extremities and shoulders---	410	52	155	95	94	1.9	2.2	1.6	2.5	1.7
Impairments (except paralysis and absence) of lower extremities and hips-----	1,351	169	543	288	283	6.1	7.2	5.7	7.6	5.2

¹Includes unknown incomes.

²Summations of conditions causing limitation may be greater than the number of persons limited because a person can report more than one condition as a cause of his limitation; on the other hand, they may be less because only selected conditions are shown.

³Percentages may add to more than 100 because a person can report more than one condition as a cause of his limitation; on the other hand, they may add to less than 100 because only selected conditions are shown.

Table 19. Total population and average number of persons by chronic condition and mobility limitation status, family income and age: United States, July 1965-June 1967

[Data are based on household interviews of the civilian, noninstitutional population. The survey design, general qualifications, and information on the reliability of the estimates are given in appendix I. Definitions of terms are given in appendix II]

Family income and age	Total population	Persons with no chronic conditions	Persons with 1 chronic condition or more				
			Total	With no limitation of mobility	Has trouble getting around alone	Needs help in getting around	Confined to the house
<u>All incomes¹</u>		Average number of persons in thousands					
All ages-----	191,537	96,684	94,853	88,541	3,114	1,766	1,432
Under 45 years-----	134,822	82,852	51,970	50,874	629	245	223
45-64 years-----	38,993	11,278	27,714	25,816	1,124	407	367
65 years and over--	17,723	2,553	15,169	11,852	1,361	1,114	843
<u>Under \$3,000</u>							
All ages-----	29,412	11,428	17,984	15,225	1,271	817	671
Under 45 years-----	15,210	9,311	5,899	5,644	130	57	69
45-64 years-----	5,922	1,167	4,755	4,042	402	158	154
65 years and over--	8,280	950	7,329	5,540	739	602	448
<u>\$3,000-\$4,999</u>							
All ages-----	31,145	15,983	15,162	14,038	586	312	227
Under 45 years-----	21,629	13,869	7,760	7,533	129	52	47
45-64 years-----	6,106	1,608	4,498	4,116	237	75	70
65 years and over--	3,410	506	2,904	2,389	221	185	110
<u>\$5,000-\$6,999</u>							
All ages-----	37,346	20,338	17,008	16,236	401	182	189
Under 45 years-----	28,558	17,905	10,653	10,445	125	45	38
45-64 years-----	6,972	2,137	4,835	4,575	154	52	55
65 years and over--	1,817	296	1,521	1,216	123	86	97
<u>\$7,000-\$9,999</u>							
All ages-----	42,001	22,335	19,666	18,984	374	186	122
Under 45 years-----	32,861	19,756	13,106	12,908	122	41	35
45-64 years-----	7,679	2,324	5,354	5,118	152	50	34
65 years and over--	1,461	255	1,206	958	101	95	52
<u>\$10,000-\$14,999</u>							
All ages-----	30,283	15,637	14,647	14,185	264	109	88
Under 45 years-----	22,896	13,497	9,399	9,265	86	*	*
45-64 years-----	6,438	1,986	4,452	4,304	94	34	*
65 years and over--	950	154	796	616	84	47	49
<u>\$15,000+</u>							
All ages-----	13,328	6,665	6,662	6,443	108	75	37
Under 45 years-----	9,095	5,398	3,697	3,654	*	*	*
45-64 years-----	3,583	1,156	2,427	2,354	46	*	*
65 years and over--	649	111	538	435	39	41	*

¹Includes unknown income.

NOTE: For official population estimates for more general use, see Bureau of the Census reports on the civilian population of the United States in Current Population Reports, Series P-20, P-25, and P-60.

Table 20. Percent distribution of persons by chronic condition and mobility limitation status, according to family income and age: United States, July 1965-June 1967

[Data are based on household interviews of the civilian, noninstitutional population. The survey design, general qualifications, and information on the reliability of the estimates are given in appendix I. Definitions of terms are given in appendix II]

Family income and age	Total population	Persons with no chronic conditions	Persons with 1 chronic condition or more				
			Total	With no limitation of mobility	Has trouble getting around alone	Needs help in getting around	Confined to the house
<u>All incomes¹</u>		Percent distribution					
All ages-----	100.0	50.5	49.5	46.2	1.6	0.9	0.7
Under 45 years-----	100.0	61.5	38.5	37.7	0.5	0.2	0.2
45-64 years-----	100.0	28.9	71.1	66.2	2.9	1.0	0.9
65 years and over--	100.0	14.4	85.6	66.9	7.7	6.3	4.8
<u>Under \$3,000</u>							
All ages-----	100.0	38.9	61.1	51.8	4.3	2.8	2.3
Under 45 years-----	100.0	61.2	38.8	37.1	0.9	0.4	0.5
45-64 years-----	100.0	19.7	80.3	68.3	6.8	2.7	2.6
65 years and over--	100.0	11.5	88.5	66.9	8.9	7.3	5.4
<u>\$3,000-\$4,999</u>							
All ages-----	100.0	51.3	48.7	45.1	1.9	1.0	0.7
Under 45 years-----	100.0	64.1	35.9	34.8	0.6	0.2	0.2
45-64 years-----	100.0	26.3	73.7	67.4	3.9	1.2	1.1
65 years and over--	100.0	14.8	85.2	70.1	6.5	5.4	3.2
<u>\$5,000-\$6,999</u>							
All ages-----	100.0	54.5	45.5	43.5	1.1	0.5	0.5
Under 45 years-----	100.0	62.7	37.3	36.6	0.4	0.2	0.1
45-64 years-----	100.0	30.7	69.3	65.6	2.2	0.7	0.8
65 years and over--	100.0	16.3	83.7	66.9	6.8	4.7	5.3
<u>\$7,000-\$9,999</u>							
All ages-----	100.0	53.2	46.8	45.2	0.9	0.4	0.3
Under 45 years-----	100.0	60.1	39.9	39.3	0.4	0.1	0.1
45-64 years-----	100.0	30.3	69.7	66.6	2.0	0.7	0.4
65 years and over--	100.0	17.5	82.5	65.6	6.9	6.5	3.6
<u>\$10,000-\$14,999</u>							
All ages-----	100.0	51.6	48.4	46.8	0.9	0.4	0.3
Under 45 years-----	100.0	58.9	41.1	40.5	0.4	*	*
45-64 years-----	100.0	30.8	69.2	66.9	1.5	0.5	*
65 years and over--	100.0	16.2	83.8	64.8	8.8	4.9	5.2
<u>\$15,000+</u>							
All ages-----	100.0	50.0	50.0	48.3	0.8	0.6	0.3
Under 45 years-----	100.0	59.4	40.6	40.2	*	*	*
45-64 years-----	100.0	32.3	67.7	65.7	1.3	*	*
65 years and over--	100.0	17.1	82.9	67.0	6.0	6.3	*

¹Includes unknown income.

Table 21. Average number and percent distribution of persons with limitation of mobility by selected chronic conditions causing limitation, according to family income: United States, July 1965-June 1967

[Data are based on household interviews of the civilian, noninstitutional population. The survey design, general qualifications, and information of the reliability of the estimates are given in appendix I. Definitions of terms are given in appendix II]

Selected chronic conditions	All incomes ¹	Under \$3,000	\$3,000-\$4,999	\$5,000-\$9,999	\$10,000 and over	All incomes ¹	Under \$3,000	\$3,000-\$4,999	\$5,000-\$9,999	\$10,000 and over
	Average number of persons in thousands ²					Percent distribution ³				
Persons limited in mobility-----	6,312	2,759	1,124	1,455	681	100.0	100.0	100.0	100.0	100.0
Tuberculosis, all forms-----	*	*	*	*	*	*	*	*	*	*
Malignant neoplasms-----	95	33	*	*	*	1.5	1.2	*	*	*
Benign and unspecified neoplasms-----	60	30	*	*	*	1.0	1.1	*	*	*
Asthma-hay fever-----	179	107	*	*	*	2.8	3.9	*	*	*
Diabetes-----	141	68	*	32	*	2.2	2.5	*	2.2	*
Mental and nervous conditions-----	312	160	54	63	*	4.9	5.8	4.8	4.3	*
Heart conditions-----	797	377	149	162	64	12.6	13.7	13.3	11.1	9.4
Hypertension without heart involvement-----	212	119	31	43	*	3.4	4.3	2.8	3.0	*
Varicose veins-----	123	66	*	*	*	1.9	2.4	*	*	*
Hemorrhoids-----	50	34	*	*	*	0.8	1.2	*	*	*
Other conditions of circulatory system-----	245	116	36	59	*	3.9	4.2	3.2	4.1	*
Chronic sinusitis and bronchitis-----	118	60	*	*	*	1.9	2.2	*	*	*
Other conditions of respiratory system-----	152	76	*	35	*	2.4	2.8	*	2.4	*
Peptic ulcer-----	60	31	*	*	*	1.0	1.1	*	*	*
Hernia-----	82	47	*	*	*	1.3	1.7	*	*	*
Other conditions of digestive system-----	146	87	*	*	*	2.3	3.2	*	*	*
Conditions of genitourinary system-----	175	94	*	33	*	2.8	3.4	*	2.3	*
Arthritis and rheumatism-----	1,541	783	256	300	140	24.4	28.4	22.8	20.6	20.6
Other diseases of muscles, bones, and joints-----	208	59	34	77	36	3.3	2.1	3.0	5.3	5.3
Visual impairments-----	656	315	105	130	71	10.4	11.4	9.3	8.9	10.4
Hearing impairments-----	82	46	*	*	*	1.3	1.7	*	*	*
Paralysis, complete or partial-----	686	280	116	173	87	10.9	10.1	10.3	11.9	12.8
Impairments (except paralysis) of back or spine-----	330	140	52	83	46	5.2	5.1	4.6	5.7	6.8
Impairments (except paralysis and absence) of upper extremities and shoulders-----	42	*	*	*	*	0.7	*	*	*	*
Impairments (except paralysis and absence) of lower extremities and hips-----	717	299	139	171	75	11.4	10.8	12.4	11.8	11.0

¹Includes unknown income.

²Summations of conditions causing limitation may be greater than the number of persons limited because a person can report more than one condition as a cause of his limitation; on the other hand, they may be less because only selected conditions are shown.

³Percentages may add to more than 100 because a person can report more than one condition as a cause of his limitation; on the other hand, they may add to less than 100 because only selected conditions are shown.

Table 22. Population 17 years and over and average number and percent distribution of persons by chronic condition and activity limitation status, according to employment status and age: United States, July 1965-June 1967

[Data are based on household interviews of the civilian, noninstitutional population. The survey design, general qualifications, and information on the reliability of the estimates are given in appendix I. Definitions of terms are given in appendix II]

Employment status and age	Population 17 years and over	Persons with no chronic conditions	Persons with 1 chronic condition or more				
			Total	With no limitation of activity	With limitation, but not in major activity ¹	With limitation in amount or kind of major activity ¹	Unable to carry on major activity ¹
<u>All statuses</u>		Average number of persons in thousands					
All ages, 17+ years-----	124,616	45,019	79,596	58,912	4,935	11,784	3,965
17-44 years-----	67,901	31,188	36,713	31,694	1,809	2,779	430
45-64 years-----	38,993	11,278	27,714	20,202	1,970	4,449	1,093
65+ years-----	17,723	2,553	15,169	7,017	1,156	4,556	2,441
<u>Currently employed</u>							
All ages, 17+ years-----	74,031	29,878	44,152	36,730	2,458	4,795	169
17-44 years-----	44,355	20,790	23,565	20,738	1,106	1,672	49
45-64 years-----	26,362	8,420	17,942	14,308	1,168	2,375	91
65+ years-----	3,314	668	2,645	1,684	184	748	30
<u>Currently unemployed</u>							
All ages, 17+ years-----	3,009	1,258	1,752	1,271	115	319	47
17-44 years-----	2,160	1,053	1,107	869	62	157	*
45-64 years-----	740	188	552	345	43	141	*
65+ years-----	108	*	92	57	*	*	*
<u>Not in labor force</u>							
All ages, 17+ years-----	47,576	13,884	33,692	20,911	2,362	6,670	3,748
17-44 years-----	21,385	9,345	12,041	10,087	641	951	362
45-64 years-----	11,890	2,670	9,220	5,548	759	1,933	980
65+ years-----	14,301	1,869	12,432	5,276	962	3,787	2,407
<u>All statuses</u>		Percent distribution					
All ages, 17+ years-----	100.0	36.1	63.9	47.3	4.0	9.5	3.2
17-44 years-----	100.0	45.9	54.1	46.7	2.7	4.1	0.6
45-64 years-----	100.0	28.9	71.1	51.8	5.1	11.4	2.8
65+ years-----	100.0	14.4	85.6	39.6	6.5	25.7	13.8
<u>Currently employed</u>							
All ages, 17+ years-----	100.0	40.4	59.6	49.6	3.3	6.5	0.2
17-44 years-----	100.0	46.9	53.1	46.8	2.5	3.8	0.1
45-64 years-----	100.0	31.9	68.1	54.3	4.4	9.0	0.3
65+ years-----	100.0	20.2	79.8	50.8	5.6	22.6	0.9
<u>Currently unemployed</u>							
All ages, 17+ years-----	100.0	41.8	58.2	42.2	3.8	10.6	1.6
17-44 years-----	100.0	48.8	51.3	40.2	2.9	7.3	*
45-64 years-----	100.0	25.4	74.6	46.6	5.8	19.1	*
65+ years-----	100.0	*	85.2	52.8	*	*	*
<u>Not in labor force</u>							
All ages, 17+ years-----	100.0	29.2	70.8	44.0	5.0	14.0	7.9
17-44 years-----	100.0	43.7	56.3	47.2	3.0	4.4	1.7
45-64 years-----	100.0	22.5	77.5	46.7	6.4	16.3	8.2
65+ years-----	100.0	13.1	86.9	36.9	6.7	26.5	16.8

¹Major activity refers to ability to work, keep house, or engage in school or preschool activities.

NOTE: For official population estimates for more general use, see Bureau of the Census reports on the civilian population of the United States in Current Population Reports, Series P-20, P-25, and P-60; and Bureau of Labor Statistics monthly report, Employment and Earnings.

Table 23. Average number of persons 17 years and over with limitation of activity due to selected chronic conditions, by employment status and age: United States, July 1965-June 1967

[Data are based on household interviews of the civilian, noninstitutional population. The survey design, general qualifications, and information on the reliability of the estimates are given in appendix I. Definitions of terms are given in appendix II]

Selected chronic conditions	Total ¹	In labor force			Not in labor force		
		All ages 17 years and over	17-44 years	45 years and over	All ages 17 years and over	17-44 years	45 years and over
Average number of persons in thousands ¹							
Persons limited in activity-----	20,684	7,903	3,066	4,838	12,781	1,953	10,828
Tuberculosis, all forms-----	158	66	34	32	92	*	75
Malignant neoplasms-----	272	74	*	56	199	*	178
Benign and unspecified neoplasms-----	205	70	37	33	135	33	102
Asthma-hay fever-----	805	322	167	155	483	118	365
Diabetes-----	553	139	39	100	414	35	380
Mental and nervous conditions---	1,661	523	233	290	1,138	298	841
Heart conditions-----	3,552	1,065	198	867	2,487	134	2,353
Hypertension without heart involvement-----	1,184	324	68	256	860	58	802
Varicose veins-----	434	143	43	100	291	48	243
Hemorrhoids-----	261	119	38	81	142	*	121
Other conditions of circulatory system-----	650	179	61	117	471	60	411
Chronic sinusitis and bronchitis-----	589	247	96	151	342	51	291
Other conditions of respiratory system-----	562	190	42	148	372	*	346
Peptic ulcer-----	452	239	89	151	213	30	182
Hernia-----	507	230	70	160	277	*	260
Other conditions of digestive system-----	690	210	73	137	480	47	433
Conditions of genitourinary system-----	851	244	104	141	607	140	467
Arthritis and rheumatism-----	3,231	864	178	685	2,367	135	2,232
Other diseases of muscles, bones, and joints-----	744	406	187	219	338	94	244
Visual impairments-----	1,180	249	92	158	931	53	878
Hearing impairments-----	356	117	48	69	239	*	219
Paralysis, complete or partial--	829	180	90	90	648	99	549
Impairments (except paralysis) of back or spine-----	1,756	1,036	545	491	720	211	509
Impairments (except paralysis and absence) of upper extremities and shoulders-----	393	215	104	111	178	31	147
Impairments (except paralysis and absence) of lower extremities and hips-----	1,243	574	274	300	669	94	576

¹Summations of conditions causing limitation may be greater than the number of persons limited because a person can report more than one condition as a cause of his limitation; on the other hand, they may be less because only selected conditions are shown.

Table 24. Percent distribution of persons 17 years and over with limitation of activity by selected chronic conditions causing limitation, according to employment status and age: United States, July 1965-June 1967

[Data are based on household interviews of the civilian, noninstitutional population. The survey design, general qualifications, and information on the reliability of the estimates are given in appendix I. Definitions of terms are given in appendix II]

Selected chronic conditions	Total ¹	In labor force			Not in labor force		
		All ages 17 years and over	17-44 years	45 years and over	All ages 17 years and over	17-44 years	45 years and over
	Percent distribution ¹						
Persons limited in activity-----	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Tuberculosis, all forms-----	0.8	0.8	1.1	0.7	0.7	*	0.7
Malignant neoplasms-----	1.3	0.9	*	1.2	1.6	*	1.6
Benign and unspecified neoplasms-----	1.0	0.9	1.2	0.7	1.1	1.7	0.9
Asthma-hay fever-----	3.9	4.1	5.4	3.2	3.8	6.0	3.4
Diabetes-----	2.7	1.8	1.3	2.1	3.2	1.8	3.5
Mental and nervous conditions---	8.0	6.6	7.6	6.0	8.9	15.3	7.8
Heart conditions-----	17.2	13.5	6.5	17.9	19.5	6.9	21.7
Hypertension without heart involvement-----	5.7	4.1	2.2	5.3	6.7	3.0	7.4
Varicose veins-----	2.1	1.8	1.4	2.1	2.3	2.5	2.2
Hemorrhoids-----	1.3	1.5	1.2	1.7	1.1	*	1.1
Other conditions of circulatory system-----	3.1	2.3	2.0	2.4	3.7	3.1	3.8
Chronic sinusitis and bronchitis-----	2.8	3.1	3.1	3.1	2.7	2.6	2.7
Other conditions of respiratory system-----	2.7	2.4	1.4	3.1	2.9	*	3.2
Peptic ulcer-----	2.2	3.0	2.9	3.1	1.7	1.5	1.7
Hernia-----	2.5	2.9	2.3	3.3	2.2	*	2.4
Other conditions of digestive system-----	3.3	2.7	2.4	2.8	3.8	2.4	4.0
Conditions of genitourinary system-----	4.1	3.1	3.4	2.9	4.7	7.2	4.3
Arthritis and rheumatism-----	15.6	10.9	5.8	14.2	18.5	6.9	20.6
Other diseases of muscles, bones, and joints-----	3.6	5.1	6.1	4.5	2.6	4.8	2.3
Visual impairments-----	5.7	3.2	3.0	3.3	7.3	2.7	8.1
Hearing impairments-----	1.7	1.5	1.6	1.4	1.9	*	2.0
Paralysis, complete or partial--	4.0	2.3	2.9	1.9	5.1	5.1	5.1
Impairments (except paralysis) of back or spine-----	8.5	13.1	17.8	10.1	5.6	10.8	4.7
Impairments (except paralysis and absence) of upper extremities and shoulders-----	1.9	2.7	3.4	2.3	1.4	1.6	1.4
Impairments (except paralysis and absence) of lower extremities and hips-----	6.0	7.3	8.9	6.2	5.2	4.8	5.3

¹Percentages may add to more than 100 because a person can report more than one condition as a cause of his limitation; on the other hand, they may add to less than 100 because only selected conditions are shown.

Table 25. Population 17 years and over and average number and percent distribution of persons by chronic conditions and mobility limitation status, according to employment status and age: United States, July 1965-June 1967

[Data are based on household interviews of the civilian, noninstitutional population. The survey design, general qualifications, and information on the reliability of the estimates are given in appendix I. Definitions of terms are given in appendix II]

Employment status and age	Population 17 years and over	Persons with no chronic conditions	Persons with 1 chronic condition or more				
			Total	With no limitation of mobility	Has trouble getting around alone	Needs help in getting around	Confined to the house
<u>All statuses</u>		Average number of persons in thousands					
All ages, 17+ years--	124,616	45,019	79,596	73,532	3,024	1,684	1,356
17-44 years-----	67,901	31,188	36,713	35,865	539	163	147
45-64 years-----	38,993	11,278	27,714	25,816	1,124	407	367
65+ years-----	17,723	2,553	15,169	11,852	1,361	1,114	843
<u>Currently employed</u>							
All ages, 17+ years--	74,031	29,878	44,152	43,037	846	206	64
17-44 years-----	44,355	20,790	23,565	23,208	277	60	*
45-64 years-----	26,362	8,420	17,942	17,363	452	96	31
65+ years-----	3,314	668	2,645	2,466	117	50	*
<u>Currently unemployed</u>							
All ages, 17+ years--	3,009	1,258	1,752	1,651	63	*	*
17-44 years-----	2,160	1,053	1,107	1,062	*	*	*
45-64 years-----	740	188	552	507	*	*	*
65+ years-----	108	*	92	81	*	*	*
<u>Not in labor force</u>							
All ages, 17+ years--	47,576	13,884	33,692	28,845	2,115	1,457	1,276
17-44 years-----	21,385	9,345	12,041	11,594	234	93	120
45-64 years-----	11,890	2,670	9,220	7,946	643	302	328
65+ years-----	14,301	1,869	12,432	9,304	1,238	1,062	828
<u>All statuses</u>		Percent distribution					
All ages, 17+ years--	100.0	36.1	63.9	59.0	2.4	1.4	1.1
17-44 years-----	100.0	45.9	54.1	52.8	0.8	0.2	0.2
45-64 years-----	100.0	28.9	71.1	66.2	2.9	1.0	0.9
65+ years-----	100.0	14.4	85.6	66.9	7.7	6.3	4.8
<u>Currently employed</u>							
All ages, 17+ years--	100.0	40.4	59.6	58.1	1.1	0.3	0.1
17-44 years-----	100.0	46.9	53.1	52.3	0.6	0.1	*
45-64 years-----	100.0	31.9	68.1	65.9	1.7	0.4	0.1
65+ years-----	100.0	20.2	79.8	74.4	3.5	1.5	*
<u>Currently unemployed</u>							
All ages, 17+ years--	100.0	41.8	58.2	54.9	2.1	*	*
17-44 years-----	100.0	48.8	51.3	49.2	*	*	*
45-64 years-----	100.0	25.4	74.6	68.5	*	*	*
65+ years-----	100.0	*	85.2	75.0	*	*	*
<u>Not in labor force</u>							
All ages, 17+ years--	100.0	29.2	70.8	60.6	4.4	3.1	2.7
17-44 years-----	100.0	43.7	56.3	54.2	1.1	0.4	0.6
45-64 years-----	100.0	22.5	77.5	66.8	5.4	2.5	2.8
65+ years-----	100.0	13.1	86.9	65.1	8.7	7.4	5.8

NOTE: For official population estimates for more general use, see Bureau of the Census reports on the civilian population of the United States in Current Population Reports, Series P-20, P-25, and P-60.

Table 26. Average number and percent distribution of persons 17 years and over with limitation of mobility by selected chronic conditions causing limitation, according to employment status: United States, July 1965-June 1967

[Data are based on household interviews of the civilian, noninstitutional population. The survey design, general qualifications, and information on the reliability of the estimates are given in appendix I. Definitions of terms are given in appendix II]

Selected chronic conditions	All	In	Not in	All	In	Not in
	statuses	labor force	labor force	statuses	labor force	labor force
	Average number of persons in thousands ¹			Percent distribution ²		
Persons limited in mobility-----	6,064	1,217	4,848	100.0	100.0	100.0
Tuberculosis, all forms-----	*	*	*	*	*	*
Malignant neoplasms-----	94	*	81	1.6	*	1.7
Benign and unspecified neoplasms-----	59	*	47	1.0	*	1.0
Asthma-hay fever-----	164	*	142	2.7	*	2.9
Diabetes-----	140	*	132	2.3	*	2.7
Mental and nervous conditions-----	307	30	277	5.1	2.5	5.7
Heart conditions-----	793	98	695	13.1	8.1	14.3
Hypertension without heart involvement--	211	*	193	3.5	*	4.0
Varicose veins-----	123	*	100	2.0	*	2.1
Hemorrhoids-----	50	*	38	0.8	*	0.8
Other conditions of circulatory system--	242	31	211	4.0	2.5	4.4
Chronic sinusitis and bronchitis-----	111	*	96	1.8	*	2.0
Other conditions of respiratory system--	149	*	124	2.5	*	2.6
Peptic ulcer-----	60	*	47	1.0	*	1.0
Hernia-----	82	*	63	1.4	*	1.3
Other conditions of digestive system---	143	*	126	2.4	*	2.6
Conditions of genitourinary system-----	170	*	149	2.8	*	3.1
Arthritis and rheumatism-----	1,536	265	1,271	25.3	21.8	26.2
Other diseases of muscles, bones, and joints-----	188	66	122	3.1	5.4	2.5
Visual impairments-----	645	54	592	10.6	4.4	12.2
Hearing impairments-----	78	*	69	1.3	*	1.4
Paralysis, complete or partial-----	616	101	515	10.2	8.3	10.6
Impairments (except paralysis) of back or spine-----	320	127	192	5.3	10.4	4.0
Impairments (except paralysis and absence) of upper extremities and shoulders-----	41	*	32	0.7	*	0.7
Impairments (except paralysis and absence) of lower extremities and hips-	678	199	479	11.2	16.4	9.9

¹Summations of conditions causing limitation may be greater than the number of persons limited because a person can report more than one condition as a cause of his limitation; on the other hand, they may be less because only selected conditions are shown.

²Percentages may add to more than 100 because a person can report more than one condition as a cause of his limitation; on the other hand, they may add to less than 100 because only selected conditions are shown.

Table 27. Total population and average number of persons, by chronic condition and activity limitation status, geographic region, and age: United States, July 1965-June 1967

[Data are based on household interviews of the civilian, noninstitutional population. The survey design, general qualifications, and information on the reliability of the estimates are given in appendix I. Definitions of terms are given in appendix II]

Region and age	Total population	Persons with no chronic conditions	Persons with 1 chronic condition or more				
			Total	With no limitation of activity	With limitation, but not in major activity ¹	With limitation in amount or kind of major activity ¹	Unable to carry on major activity ¹
<u>All regions</u>		Average number of persons in thousands					
All ages-----	191,537	96,684	94,853	72,869	5,637	12,269	4,078
Under 17 years-----	66,921	51,664	15,257	13,957	702	485	113
17-44 years-----	67,901	31,188	36,713	31,694	1,809	2,779	430
45-64 years-----	38,993	11,278	27,714	20,202	1,970	4,449	1,093
65 years and over---	17,723	2,553	15,169	7,017	1,156	4,556	2,441
<u>Northeast</u>							
All ages-----	47,803	25,313	22,490	17,608	1,133	2,825	924
Under 17 years-----	15,594	12,202	3,392	3,148	124	104	*
17-44 years-----	16,866	8,443	8,423	7,363	359	604	96
45-64 years-----	10,525	3,732	6,793	5,158	425	974	237
65 years and over---	4,818	936	3,882	1,939	225	1,143	575
<u>North Central</u>							
All ages-----	53,471	27,100	26,371	20,418	1,739	3,233	981
Under 17 years-----	18,802	14,757	4,045	3,716	179	121	*
17-44 years-----	18,583	8,451	10,132	8,795	541	708	88
45-64 years-----	10,940	3,152	7,789	5,800	617	1,116	255
65 years and over---	5,145	739	4,406	2,107	401	1,289	609
<u>South</u>							
All ages-----	58,766	29,214	29,552	21,810	1,613	4,479	1,648
Under 17 years-----	21,290	16,396	4,893	4,422	259	163	49
17-44 years-----	21,004	9,478	11,527	9,734	513	1,082	197
45-64 years-----	11,270	2,809	8,461	5,782	550	1,684	446
65 years and over---	5,202	531	4,671	1,873	292	1,550	957
<u>West</u>							
All ages-----	31,497	15,057	16,440	13,033	1,151	1,731	524
Under 17 years-----	11,235	8,308	2,927	2,671	139	98	*
17-44 years-----	11,448	4,816	6,632	5,803	396	385	49
45-64 years-----	6,257	1,586	4,671	3,462	378	675	156
65 years and over---	2,558	347	2,210	1,097	238	574	301

¹Major activity refers to ability to work, keep house, or engage in school or preschool activities.

NOTE: For official population estimates for more general use, see Bureau of the Census reports on the civilian population of the United States in Current Population Reports, Series P-20, P-25, and P-60.

Table 28. Percent distribution of persons by chronic condition and activity limitation status, according to geographic region and age: United States, July 1965-June 1967

[Data are based on household interviews of the civilian, noninstitutional population. The survey design, general qualifications, and information on the reliability of the estimates are given in appendix I. Definitions of terms are given in appendix II]

Region and age	Total population	Persons with no chronic conditions	Persons with 1 chronic condition or more				
			Total	With no limitation of activity	With limitation, but not in major activity ¹	With limitation in amount or kind of major activity ¹	Unable to carry on major activity ¹
<u>All regions</u>			Percent distribution				
All ages-----	100.0	50.5	49.5	38.0	2.9	6.4	2.1
Under 17 years-----	100.0	77.2	22.8	20.9	1.0	0.7	0.2
17-44 years-----	100.0	45.9	54.1	46.7	2.7	4.1	0.6
45-64 years-----	100.0	28.9	71.1	51.8	5.1	11.4	2.8
65 years and over---	100.0	14.4	85.6	39.6	6.5	25.7	13.8
<u>Northeast</u>							
All ages-----	100.0	53.0	47.0	36.8	2.4	5.9	1.9
Under 17 years-----	100.0	78.2	21.8	20.2	0.8	0.7	*
17-44 years-----	100.0	50.1	49.9	43.7	2.1	3.6	0.6
45-64 years-----	100.0	35.5	64.5	49.0	4.0	9.3	2.3
65 years and over---	100.0	19.4	80.6	40.2	4.7	23.7	11.9
<u>North Central</u>							
All ages-----	100.0	50.7	49.3	38.2	3.3	6.0	1.8
Under 17 years-----	100.0	78.5	21.5	19.8	1.0	0.6	*
17-44 years-----	100.0	45.5	54.5	47.3	2.9	3.8	0.5
45-64 years-----	100.0	28.8	71.2	53.0	5.6	10.2	2.3
65 years and over---	100.0	14.4	85.6	41.0	7.8	25.1	11.8
<u>South</u>							
All ages-----	100.0	49.7	50.3	37.1	2.7	7.6	2.8
Under 17 years-----	100.0	77.0	23.0	20.8	1.2	0.8	0.2
17-44 years-----	100.0	45.1	54.9	46.3	2.4	5.2	0.9
45-64 years-----	100.0	24.9	75.1	51.3	4.9	14.9	4.0
65 years and over---	100.0	10.2	89.8	36.0	5.6	29.8	18.4
<u>West</u>							
All ages-----	100.0	47.8	52.2	41.4	3.7	5.5	1.7
Under 17 years-----	100.0	73.9	26.1	23.8	1.2	0.9	*
17-44 years-----	100.0	42.1	57.9	50.7	3.5	3.4	0.4
45-64 years-----	100.0	25.3	74.7	55.3	6.0	10.8	2.5
65 years and over---	100.0	13.6	86.4	42.9	9.3	22.4	11.8

¹Major activity refers to ability to work, keep house, or engage in school or preschool activities.

Table 29. Average number of persons with limitation of activity due to selected chronic conditions, by geographic region and age: United States, July 1965-June 1967

[Data are based on household interviews of the civilian, noninstitutional population. The survey design, general qualifications, and information on the reliability of the estimates are given in appendix I. Definitions of terms are given in appendix II]

Selected chronic conditions	Total ¹	Northeast			North Central			South			West		
		All ages	Under 45 years	45+ years	All ages	Under 45 years	45+ years	All ages	Under 45 years	45+ years	All ages	Under 45 years	45+ years
Average number of persons in thousands ¹													
Persons limited in activity-----	21,984	4,883	1,304	3,579	5,954	1,666	4,287	7,741	2,264	5,477	3,407	1,085	2,322
Tuberculosis, all forms---	162	*	*	*	43	*	*	60	*	41	37	*	*
Malignant neoplasms-----	276	47	*	41	78	*	65	107	*	89	44	*	38
Benign and unspecified neoplasms-----	220	41	*	*	50	*	32	88	35	53	41	*	*
Asthma-hay fever-----	1,065	188	95	94	234	103	131	441	225	217	201	122	79
Diabetes-----	562	119	*	107	143	*	117	222	*	195	78	*	60
Mental and nervous conditions-----	1,711	338	126	212	407	133	274	763	247	516	203	74	129
Heart conditions-----	3,600	861	87	774	1,026	115	911	1,226	124	1,102	487	54	433
Hypertension without heart involvement-----	1,187	239	30	209	282	*	256	530	56	474	136	*	119
Varicose veins-----	435	91	*	72	109	*	82	175	33	142	60	*	47
Hemorrhoids-----	261	30	*	*	48	*	36	144	34	110	39	*	30
Other conditions of circulatory system-----	691	188	37	151	181	48	133	246	54	193	75	*	52
Chronic sinusitis and bronchitis-----	660	118	41	77	165	55	110	275	90	185	102	32	69
Other conditions of respiratory system-----	595	120	*	99	155	*	134	223	40	183	98	*	78
Peptic ulcer-----	452	67	*	53	110	31	79	218	56	162	57	*	39
Hernia-----	521	113	*	93	138	*	113	210	42	168	59	*	45
Other conditions of digestive system-----	716	137	30	107	156	33	122	326	69	257	97	*	85
Conditions of genitourinary system-----	894	135	53	82	214	71	143	431	124	307	114	39	76
Arthritis and rheumatism--	3,248	673	59	613	881	84	797	1,196	115	1,081	498	73	425
Other diseases of muscles, bones, and joints--	781	156	73	84	226	89	137	256	94	162	142	62	80
Visual impairments-----	1,222	272	38	234	314	50	264	477	77	400	159	*	137
Hearing impairments-----	403	74	*	55	117	36	80	156	42	114	56	*	39
Paralysis, complete or partial-----	925	189	63	126	261	86	175	339	93	246	136	44	92
Impairments (except paralysis) of back or spine---	1,796	369	170	200	479	217	262	610	258	351	338	151	187
Impairments (except paralysis and absence) of upper extremities and shoulders-----	410	93	36	57	95	32	63	141	55	86	81	*	52
Impairments (except paralysis and absence) of lower extremities and hips-----	1,351	289	101	189	363	128	235	467	165	302	231	81	150

¹ Summations of conditions causing limitation may be greater than the number of persons limited because a person can report more than one condition as a cause of his limitation; on the other hand, they may be less because only selected conditions are shown.

Table 30. Percent distribution of persons with limitation of activity by selected chronic conditions causing limitation, according to geographic region and age: United States, July 1965-June 1967

[Data are based on household interviews of the civilian, noninstitutional population. The survey design, general qualifications, and information on the reliability of the estimates are given in appendix I. Definitions of terms are given in appendix II]

Selected chronic conditions	Total ¹	Northeast			North Central			South			West		
		All ages	Under 45 years	45+ years	All ages	Under 45 years	45+ years	All ages	Under 45 years	45+ years	All ages	Under 45 years	45+ years
	Percent distribution ¹												
Persons limited in activity-----	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Tuberculosis, all forms---	0.7	*	*	*	0.7	*	*	0.8	*	0.7	1.1	*	*
Malignant neoplasms-----	1.3	1.0	*	1.1	1.3	*	1.5	1.4	*	1.6	1.3	*	1.6
Benign and unspecified neoplasms-----	1.0	0.8	*	*	0.8	*	0.7	1.1	1.5	1.0	1.2	*	*
Asthma-hay fever-----	4.8	3.9	7.3	2.6	3.9	6.2	3.1	5.7	9.9	4.0	5.9	11.2	3.4
Diabetes-----	2.6	2.4	*	3.0	2.4	*	2.7	2.9	*	3.6	2.3	*	2.6
Mental and nervous conditions-----	7.8	6.9	9.7	5.9	6.8	8.0	6.4	9.9	10.9	9.4	6.0	6.8	5.6
Heart conditions-----	16.4	17.6	6.7	21.6	17.2	6.9	21.3	15.8	5.5	20.1	14.3	5.0	18.6
Hypertension without heart involvement-----	5.4	4.9	2.3	5.8	4.7	*	6.0	6.8	2.5	8.7	4.0	*	5.1
Varicose veins-----	2.0	1.9	*	2.0	1.8	*	1.9	2.3	1.5	2.6	1.8	*	2.0
Hemorrhoids-----	1.2	0.6	*	*	0.8	*	0.8	1.9	1.5	2.0	1.1	*	1.3
Other conditions of circulatory system-----	3.1	3.9	2.8	4.2	3.0	2.9	3.1	3.2	2.4	3.5	2.2	*	2.2
Chronic sinusitis and bronchitis-----	3.0	2.4	3.1	2.2	2.8	3.3	2.6	3.6	4.0	3.4	3.0	2.9	3.0
Other conditions of respiratory system-----	2.7	2.5	*	2.8	2.6	*	3.1	2.9	1.8	3.3	2.9	*	3.4
Peptic ulcer-----	2.1	1.4	*	1.5	1.8	1.9	1.8	2.8	2.5	3.0	1.7	*	1.7
Hernia-----	2.4	2.3	*	2.6	2.3	*	2.6	2.7	1.9	3.1	1.7	*	1.9
Other conditions of digestive system-----	3.3	2.8	2.3	3.0	2.6	2.0	2.8	4.2	3.0	4.7	2.8	*	3.7
Conditions of genitourinary system-----	4.1	2.8	4.1	2.3	3.6	4.3	3.3	5.6	5.5	5.6	3.3	3.6	3.3
Arthritis and rheumatism--	14.8	13.8	4.5	17.1	14.8	5.0	18.6	15.5	5.1	19.7	14.6	6.7	18.3
Other diseases of muscles, bones, and joints-----	3.6	3.2	5.6	2.3	3.8	5.3	3.2	3.3	4.2	3.0	4.2	5.7	3.4
Visual impairments-----	5.6	5.6	2.9	6.5	5.3	3.0	6.2	6.2	3.4	7.3	4.7	*	5.9
Hearing impairments-----	1.8	1.5	*	1.5	2.0	2.2	1.9	2.0	1.9	2.1	1.6	*	1.7
Paralysis, complete or partial-----	4.2	3.9	4.8	3.5	4.4	5.2	4.1	4.4	4.1	4.5	4.0	4.1	4.0
Impairments (except paralysis) of back or spine---	8.2	7.6	13.0	5.6	8.0	13.0	6.1	7.9	11.4	6.4	9.9	13.9	8.1
Impairments (except paralysis and absence) of upper extremities and shoulders-----	1.9	1.9	2.8	1.6	1.6	1.9	1.5	1.8	2.4	1.6	2.4	*	2.2
Impairments (except paralysis and absence) of lower extremities and hips-----	6.1	5.9	7.7	5.3	6.1	7.7	5.5	6.0	7.3	5.5	6.8	7.5	6.5

¹ Percentages may add to more than 100 because a person can report more than one condition as a cause of his limitation; on the other hand, they may add to less than 100 because only selected conditions are shown,

Table 31. Total population and average number of persons, by chronic condition and mobility limitation status, geographic region, and age: United States, July 1965-June 1967

[Data are based on household interviews of the civilian, noninstitutional population. The survey design, general qualifications, and information on the reliability of the estimates are given in appendix I. Definitions of terms are given in appendix II]

Region and age	Total population	Persons with no chronic conditions	Persons with 1 chronic condition or more				
			Total	With no limitation of mobility	Has trouble getting around alone	Needs help in getting around	Confined to the house
Average number of persons in thousands							
All regions							
All ages-----	191,537	96,684	94,853	88,541	3,114	1,766	1,432
Under 17 years-----	66,921	51,664	15,257	15,009	90	82	76
17-44 years-----	67,901	31,188	36,713	35,865	539	163	147
45-64 years-----	38,993	11,278	27,714	25,816	1,124	407	367
65 years and over--	17,723	2,553	15,169	11,852	1,361	1,114	843
<u>Northeast</u>							
All ages-----	47,803	25,313	22,490	21,120	629	384	357
Under 17 years-----	15,594	12,202	3,392	3,348	*	*	*
17-44 years-----	16,866	8,443	8,423	8,260	96	35	31
45-64 years-----	10,525	3,732	6,793	6,407	201	97	88
65 years and over--	4,818	936	3,882	3,104	317	234	227
<u>North Central</u>							
All ages	53,471	27,100	26,371	24,614	890	513	354
Under 17 years-----	18,802	14,757	4,045	3,979	*	*	*
17-44 years-----	18,583	8,451	10,132	9,911	137	46	38
45-64 years-----	10,940	3,152	7,789	7,277	316	111	85
65 years and over--	5,145	739	4,406	3,446	413	333	214
<u>South</u>							
All ages-----	58,766	29,214	29,552	27,325	1,075	613	539
Under 17 years-----	21,290	16,396	4,893	4,803	*	30	31
17-44 years-----	21,004	9,478	11,527	11,219	200	54	54
45-64 years-----	11,270	2,809	8,461	7,789	400	139	134
65 years and over--	5,202	531	4,671	3,513	447	390	320
<u>West</u>							
All ages-----	31,497	15,057	16,440	15,483	520	256	182
Under 17 years-----	11,235	8,308	2,927	2,878	*	*	*
17-44 years-----	11,448	4,816	6,632	6,474	107	*	*
45-64 years-----	6,257	1,586	4,671	4,343	208	60	61
65 years and over--	2,558	347	2,210	1,788	184	156	82

NOTE: For official population estimates for more general use, see Bureau of the Census reports on the civilian population of the United States in Current Population Reports, Series P-20, P-25, and P-60.

Table 32. Percent distribution of persons by chronic condition and mobility limitation status, according to geographic region and age: United States, July 1965-June 1967

[Data are based on household interviews of the civilian, noninstitutional population. The survey design, general qualifications, and information on the reliability of the estimates are given in appendix I. Definitions of terms are given in appendix II]

Region and age	Total population	Persons with no chronic conditions	Persons with 1 chronic condition or more				
			Total	With no limitation of mobility	Has trouble getting around alone	Needs help in getting around	Confined to the house
<u>All regions</u>			Percent distribution				
All ages-----	100.0	50.5	49.5	46.2	1.6	0.9	0.7
Under 17 years-----	100.0	77.2	22.8	22.4	0.1	0.1	0.1
17-44 years-----	100.0	45.9	54.1	52.8	0.8	0.2	0.2
45-64 years-----	100.0	28.9	71.1	66.2	2.9	1.0	0.9
65 years and over--	100.0	14.4	85.6	66.9	7.7	6.3	4.8
<u>Northeast</u>							
All ages-----	100.0	53.0	47.0	44.2	1.3	0.8	0.7
Under 17 years-----	100.0	78.2	21.8	21.5	*	*	*
17-44 years-----	100.0	50.1	49.9	49.0	0.6	0.2	0.2
45-64 years-----	100.0	35.5	64.5	60.9	1.9	0.9	0.8
65 years and over--	100.0	19.4	80.6	64.4	6.6	4.9	4.7
<u>North Central</u>							
All ages-----	100.0	50.7	49.3	46.0	1.7	1.0	0.7
Under 17 years-----	100.0	78.5	21.5	21.2	*	*	*
17-44 years-----	100.0	45.5	54.5	53.3	0.7	0.2	0.2
45-64 years-----	100.0	28.8	71.2	66.5	2.9	1.0	0.8
65 years and over--	100.0	14.4	85.6	67.0	8.0	6.5	4.2
<u>South</u>							
All ages-----	100.0	49.7	50.3	46.5	1.8	1.0	0.9
Under 17 years-----	100.0	77.0	23.0	22.6	*	0.1	0.1
17-44 years-----	100.0	45.1	54.9	53.4	1.0	0.3	0.3
45-64 years-----	100.0	24.9	75.1	69.1	3.5	1.2	1.2
65 years and over--	100.0	10.2	89.8	67.5	8.6	7.5	6.2
<u>West</u>							
All ages	100.0	47.8	52.2	49.2	1.7	0.8	0.6
Under 17 years-----	100.0	73.9	26.1	25.6	*	*	*
17-44 years-----	100.0	42.1	57.9	56.6	0.9	*	*
45-64 years-----	100.0	25.3	74.7	69.4	3.3	1.0	1.0
65 years and over--	100.0	13.6	86.4	69.9	7.2	6.1	3.2

Table 33. Average number and percent distribution of persons with limitation of mobility by selected chronic conditions causing limitation, according to geographic region: United States, July 1965-June 1967

[Data are based on household interviews of the civilian, noninstitutional population. The survey design, general qualifications, and information on the reliability of the estimates are given in appendix I. Definitions of terms are given in appendix II]

Selected chronic conditions	All regions	Northeast	North central	South	West	All regions	Northeast	North central	South	West
	Average number of persons in thousands ¹					Percent distribution ²				
Persons limited in mobility-----	6,312	1,370	1,758	2,227	958	100.0	100.0	100.0	100.0	100.0
Tuberculosis, all forms---	*	*	*	*	*	*	*	*	*	*
Malignant neoplasms-----	95	*	*	34	*	1.5	*	*	1.5	*
Benign and unspecified neoplasms-----	60	*	*	*	*	1.0	*	*	*	*
Asthma-hay fever-----	179	32	47	69	30	2.8	2.3	2.7	3.1	3.1
Diabetes-----	141	35	35	54	*	2.2	2.6	2.0	2.4	*
Mental and nervous conditions-----	312	61	78	128	45	4.9	4.5	4.4	5.7	4.7
Heart conditions-----	797	185	232	268	112	12.6	13.5	13.2	12.0	11.7
Hypertension without heart involvement-----	212	38	51	99	*	3.4	2.8	2.9	4.4	*
Varicose veins-----	123	*	38	47	*	1.9	*	2.2	2.1	*
Hemorrhoids-----	50	*	*	*	*	0.8	*	*	*	*
Other conditions of circulatory system-----	245	72	65	88	*	3.9	5.3	3.7	4.0	*
Chronic sinusitis and bronchitis-----	118	*	*	46	*	1.9	*	*	2.1	*
Other conditions of respiratory system-----	152	33	43	51	*	2.4	2.4	2.4	2.3	*
Peptic ulcer-----	60	*	*	*	*	1.0	*	*	*	*
Hernia-----	82	*	*	33	*	1.3	*	*	1.5	*
Other conditions of digestive system-----	146	35	32	55	*	2.3	2.6	1.8	2.5	*
Conditions of genitourinary system-----	175	*	45	83	*	2.8	*	2.6	3.7	*
Arthritis and rheumatism--	1,541	310	455	546	231	24.4	22.6	25.9	24.5	24.1
Other diseases of muscles, bones, and joints-----	208	39	66	64	39	3.3	2.8	3.8	2.9	4.1
Visual impairments-----	656	171	174	225	86	10.4	12.5	9.9	10.1	9.0
Hearing impairments-----	82	*	*	35	*	1.3	*	*	1.6	*
Paralysis, complete or partial-----	686	138	199	257	92	10.9	10.1	11.3	11.5	9.6
Impairments (except paralysis) of back or spine-----	330	60	91	110	69	5.2	4.4	5.2	4.9	7.2
Impairments (except paralysis and absence) of upper extremities and shoulders-----	42	*	*	*	*	0.7	*	*	*	*
Impairments (except paralysis and absence) of lower extremities and hips	717	142	197	270	108	11.4	10.4	11.2	12.1	11.3

¹Summations of conditions causing limitation may be greater than the number of persons limited because a person can report more than one condition as a cause of his limitation; on the other hand, they may be less because only selected conditions are shown.

²Percentages may add to more than 100 because a person can report more than one condition as a cause of his limitation; on the other hand, they may add to less than 100 because only selected conditions are shown.

APPENDIX I

TECHNICAL NOTES ON METHODS

Background of This Report

This report is one of a series of statistical reports prepared by the National Health Survey. It is based on information collected in a continuing nationwide sample of households in the Health Interview Survey, a major part of the program.

The Health Interview Survey utilizes a questionnaire which, in addition to personal and demographic characteristics, obtains information on illnesses, injuries, chronic conditions and impairments, and other health topics. As data relating to each of these various broad topics are tabulated and analyzed, separate reports are issued which cover one or more of the specific topics. The present report is based primarily on the consolidated sample for 104 weeks of interviewing ending June 1967.

The population covered by the sample for the Health Interview Survey is the civilian, noninstitutional population of the United States living at the time of the interview. The sample does not include members of the Armed Forces, U.S. nationals living in foreign countries, or crews of vessels.

Statistical Design of the Health Interview Survey

General plan.—The sampling plan of the survey follows a multistage probability design which permits a continuous sampling of the civilian population of the United States. The first stage of this design consists of drawing a sample of 357 from about 1,900 geographically defined primary sampling units (PSU's) into which the United States has been divided. A PSU is a county, a group of contiguous counties, or a standard metropolitan statistical area.

With no loss in general understanding, the remaining stages can be combined and treated in this discussion as an ultimate stage. Within PSU's, then, ultimate stage units called segments are defined in such a manner that each segment contains an expected nine households. A segment consists of a cluster of

neighboring households or addresses. Two general types of segments are used: (1) area segments which are defined geographically and (2) B segments which are defined from a list of addresses from the Decennial Census and the Survey of Construction. Each week a random sample of about 90 segments is drawn. In the approximately 800 households in these segments, household members are interviewed concerning factors related to health.

Since the household members interviewed each week are a representative sample of the population, samples for successive weeks can be combined into larger samples. Thus the design permits both continuous measurement of characteristics of high incidence or prevalence in the population and, through the larger consolidated samples, more detailed analysis of less common characteristics and smaller categories. The continuous collection has administrative and operational advantages as well as technical assets, since it permits field work to be handled with an experienced, stable staff.

Sample size and geographic detail.—The national sample plan for the 24-month period ending June 1967 included about 268,000 persons from 84,000 households in about 9,400 segments.

The overall sample was designed in such a fashion that tabulations can be provided for each of the major geographic regions and for urban and rural sectors of the United States.

Collection of data.—Field operations for the household survey are performed by the U.S. Bureau of the Census under specifications established by the National Center for Health Statistics. In accordance with these specifications the Bureau of the Census selects the sample, conducts the field interviewing as an agent of the Center, and performs a manual edit and coding of the questionnaires. The Health Interview Survey, using Center electronic computers, carries out further editing and tabulates the edited data.

Estimating methods.—Each statistic produced by the survey—for example, the number of persons with activity limitation in a specified period—is the result

of two stages of ratio estimation. In the first of these the control factor is the ratio of the 1960 decennial population count to the 1960 estimated population in the National Health Survey's first-stage sample of PSU's. These factors are applied for some 25 color-residence classes.

Later, ratios of official Bureau of the Census figures for current population to sample-produced estimates of the population in about 60 age-sex-color classes are computed and serve as second-stage factors for ratio estimating.

The effect of the ratio estimating process is to make the sample more closely representative of the population by age, sex, color, and residence, thus reducing sampling variance.

As noted, each week's sample represents the population living during that week and characteristics of that population. Consolidation of samples over a time period, say a calendar quarter, produces estimates of average characteristics of the U.S. population for that calendar quarter. Similarly, population data for a year are averages of the four quarterly figures.

General Qualifications

Nonresponse.—Data were adjusted for nonresponse by a procedure which imputes to persons in a household which was not interviewed the characteristics of persons in households in the same segment which were interviewed. The total noninterview rate was 5 percent: 1 percent was refusal, and the remainder was primarily due to the failure to find any eligible household respondent after repeated trials.

The interview process.—The statistics presented in this report are based on replies secured in interviews of persons in the sampled households. Each person 19 years of age and over available at the time of interview was interviewed individually. Proxy respondents within the household were employed for children and for adults not available at the time of the interview, provided the respondent was closely related to the person about whom information was being obtained.

There are limitations to the accuracy of diagnostic and other information collected in household interviews. For diagnostic information, the household respondent can, at best, pass on to the interviewer only the information the physician has given to the family. For conditions not medically attended, diagnostic information is often no more than a description of symptoms. However, other facts, such as the number of disability days caused by the condition, can be obtained more accurately from household members than from any other source, since only the persons concerned are in a position to report this information.

Rounding of numbers.—The original tabulations on which the data in this report are based show all estimates to the nearest whole unit. All consolidations

were made from the original tabulations using the estimates to the nearest unit. In the final published tables the figures are rounded to the nearest thousand, although these are not necessarily accurate to that detail. Devised statistics, such as rates and percent distributions, are computed after the estimates on which these are based have been rounded to the nearest thousand.

Population figures.—Some of the published tables include population figures for specified categories. Except for certain overall totals by age, sex, and color which are adjusted to independent estimates, these figures are based on the sample of households in the National Health Survey. These are given primarily to provide denominators for rate computation and for this purpose are more appropriate for use with the accompanying measures of health characteristics than other population data that may be available. In some instances these will permit users to recombine published data into classes more suitable to their specific needs. With the exception of the overall totals by age, sex, and color mentioned above, the population figures differ from corresponding figures (which are derived from different sources) published in reports of the Bureau of the Census. For population data for general use, see the official estimates presented in Bureau of the Census reports in the P-20, P-25, and F-60 series.

Reliability of Estimates

Since the estimates are based on a sample, they will differ somewhat from the figures that would have been obtained if a complete census had been taken using the same schedules and instructions and interviewing personnel and procedures. As in any survey, the results are also subject to measurement error.

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 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.

The relative standard error of an estimate is obtained by dividing the standard error of the estimate by the estimate itself and is expressed as a percentage of the estimate. Included in this appendix are charts from which the relative standard errors can be determined for estimates shown in this report. In order to derive relative errors which would be applicable to a

wide variety of health statistics and which could be prepared at a moderate cost, a number of approximations were required. As a result, the charts provide an estimate of the approximate relative standard error rather than the precise error for any specific aggregate or percentage.

Three classes of statistics for the health survey are identified for purposes of estimating variances.

Narrow range.—This class consists of (1) statistics which estimate a population attribute, e.g., the number of persons in a particular income group, and (2) statistics for which the measure for a single individual for the period of reference is usually either 0 or 1, on occasion may take on the value 2, and very rarely is 3.

Medium range.—This class consists of other statistics for which the measure for a single individual for the period of reference will rarely lie outside the range 0 to 5.

Wide range.—This class consists of statistics for which the measure for a single individual for the period of reference frequently will range from 0 to a number in excess of 5, e.g., the number of days of bed disability experienced during the year.

In addition to classifying variables according to whether they are narrow-, medium-, or wide-range, statistics in the survey are further defined as

Type A—Statistics on prevalence and incidence data for which the period of reference in the questionnaire is 12 months.

Type B—Incidence-type statistics for which the period of reference in the questionnaire is 2 weeks.

Type C—Statistics for which the reference period is 6 months.

Only the charts on sampling error applicable to data contained in this report are presented.

General rules for determining relative sampling errors.—The "guide" on page 56, together with the following rules, will enable the reader to determine approximate relative standard errors from the charts for estimates presented in this report.

Rule 1. *Estimates of aggregates:* Approximate relative standard errors for estimates of aggregates, such as the number of persons with a given characteristic, are obtained from appropriate curves on page 57. The

number of persons in the total U.S. population or in an age-sex-color class of the total population is adjusted to official Bureau of the Census figures and is not subject to sampling error.

Rule 2. *Estimates of percentages in a percent distribution:* Relative standard errors for percentages in a percent distribution of a total are obtained from appropriate curves on page 58. For values which do not fall on one of the curves presented in the chart, visual interpolation will provide a satisfactory approximation.

Rule 3. *Estimates of rates where the numerator is a subclass of the denominator:* (Not required for statistics presented in this report.)

Rule 4. *Estimates of rates where the numerator is not a subclass of the denominator:* This rule applies where a unit of the numerator often occurs more than once for any one unit in the denominator. For example, in the computation of the number of chronic conditions per person, it is possible that a person in the denominator could have sustained more than one of the conditions included in the numerator. Approximate relative standard errors for rates of this kind may be computed as follows:

(a) Where the denominator is the total U.S. population or includes all persons in one or more of the age-sex groups of the total population, the relative error of the rate is equivalent to the relative error of the numerator which can be obtained directly from the appropriate chart.

(b) In other cases, obtain the relative standard error of the numerator and of the denominator from the appropriate curve. Square each of these relative errors, add the resulting values, and extract the square root of the sum. This procedure will result in an upper bound and often will overstate the error.

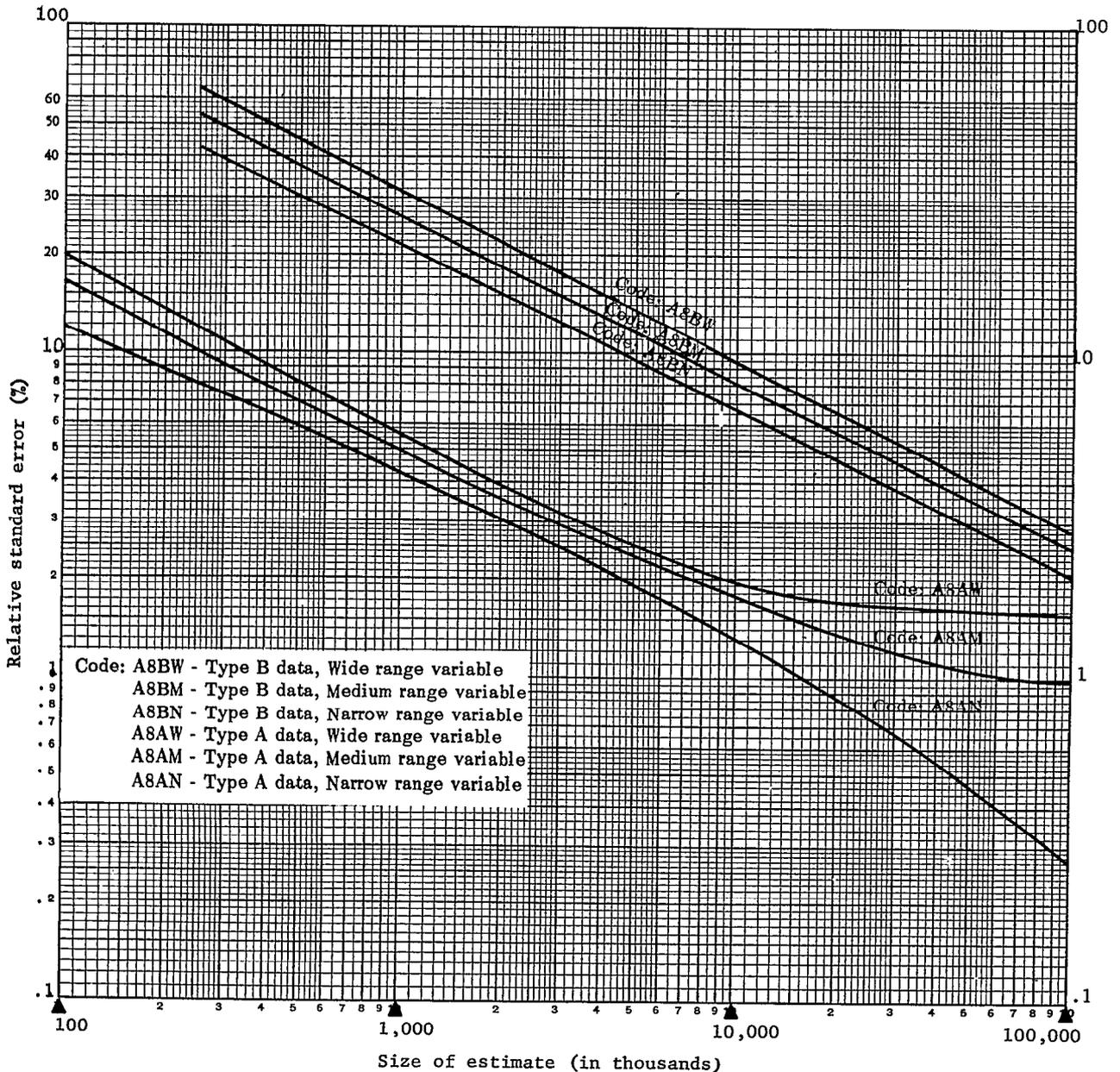
Guide to Use of Relative Standard Error Charts

The code shown below identifies the appropriate curve to be used in estimating the relative standard error of the statistic described. The four components of each code describe the statistic as follows:

(1) A= aggregate, P= percentage; (2) the number of calendar quarters of data collection; (3) the type of the statistic; and (4) the range of the statistic as described on page 55.

Statistic	Use:		
	Rule	Code	on page
Number of: Persons in the U.S. population or in any age-sex-color category thereof-----	Not subject to sampling error		
Persons with limitation of activity and mobility by characteristic-----	1	A8AN	57
Persons in any other population group-----	1	A8AN	57
Chronic conditions, by type-----	1	A8AN	57
Percentage distribution of: Persons with limitation of activity and mobility by characteristic-----	2	P8AN-M	58
Chronic conditions, by type-----	2	P8AN-M	58
Number of chronic conditions per person in the U.S. population or any age-sex-color group-----	4(a)	A8AM	57
Number of chronic conditions per person in any other population group-----	4(b)	{ Numer.: A8AM { Denom.: A8AN	57 57

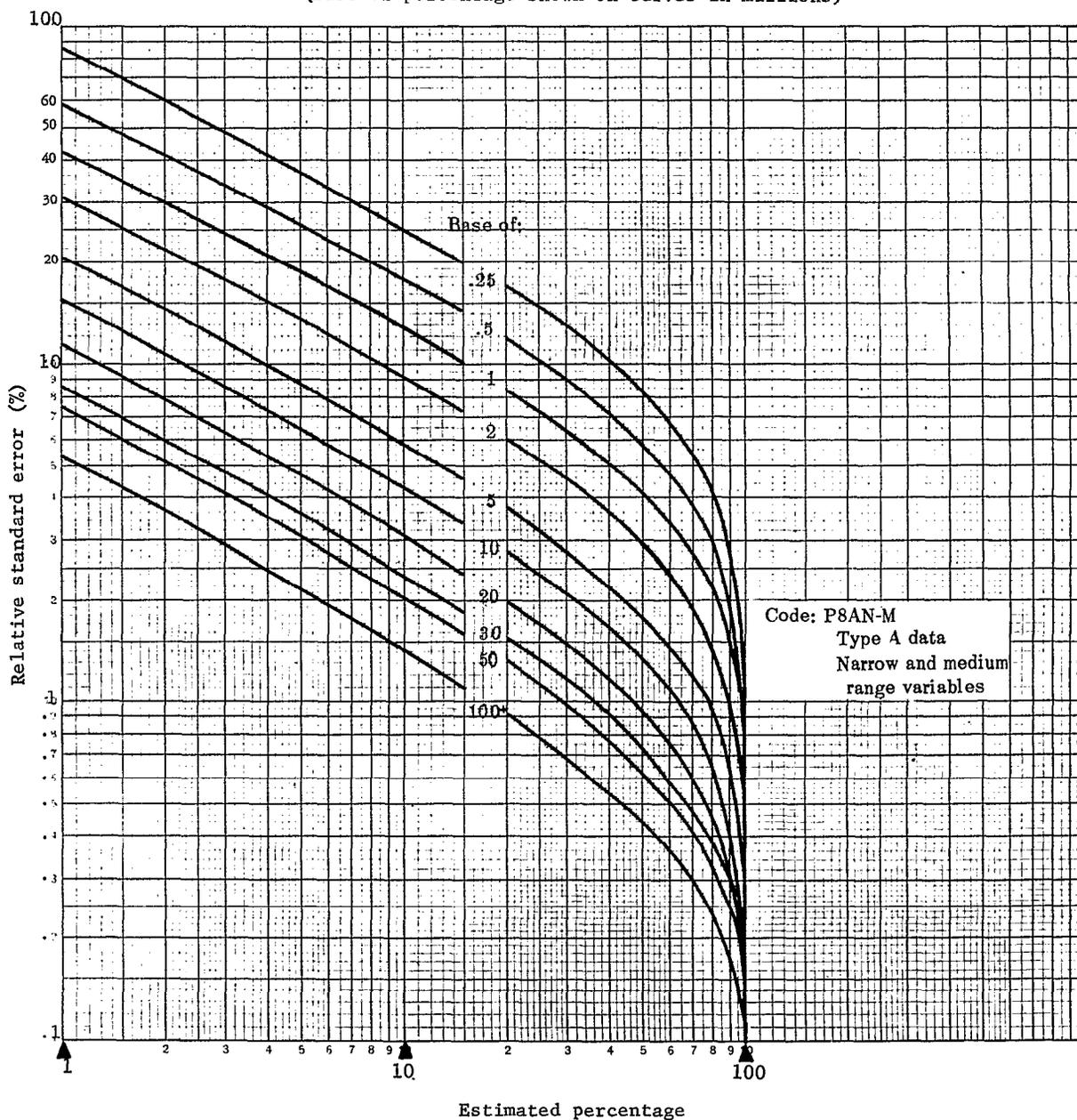
Relative standard errors for aggregates based on eight quarters of data collection
for data of all types and ranges



Example of use of chart: An aggregate of 5,000,000 (on scale at bottom of chart) for a Narrow range type A statistic (code: A8AN) has a relative standard error of 1.9 percent, read from scale at left side of chart, or a standard error of 95,000 (1.9 percent of 5,000,000). For a Wide range type B statistic (code: A8BW), an aggregate of 10,000,000 has a relative error of 9.3 percent or a standard error of 930,000 (9.3 percent of 10,000,000).

Relative standard errors for percentages based on eight quarters of data collection for type A data, Narrow and Medium range

(Base of percentage shown on curves in millions)



Example of use of chart: An estimate of 20 percent (on scale at bottom of chart) based on an estimate of 10,000,000 has a relative standard error of 2.8 percent (read from the scale at the left side of the chart), the point at which the curve for a base of 10,000,000 intersects the vertical line for 20 percent. The standard error in percentage points is equal to 20 percent X 2.8 percent or 0.56 percentage points.

APPENDIX II

DEFINITIONS OF CERTAIN TERMS USED IN THIS REPORT

Terms Relating to Chronic Conditions

Condition.—A morbidity condition, or simply a condition, is any entry on the questionnaire which describes a departure from a state of physical or mental well-being. It results from a positive response to one of a series of "illness-recall" questions. In the coding and tabulating process, conditions are selected or classified according to a number of different criteria, such as, whether they were medically attended; whether they resulted in disability; whether they were acute or chronic; or according to the type of disease, injury, impairment, or symptom reported. For the purposes of each published report or set of tables, only those conditions recorded on the questionnaire which satisfy certain stated criteria are included.

Except for impairments, conditions are coded by type according to the International Classification of Diseases with certain modifications adopted to make the code more suitable for a household-interview-type survey.

Chronic condition.— A condition is considered to be chronic if (1) it is described by the respondent in terms of one of the chronic diseases on the Check List of Chronic Conditions or in terms of one of the types of impairments on the Check List of Impairments or (2) the condition is described by the respondent as having been first noticed more than 3 months before the week of the interview.

Impairment.—Impairments are chronic or permanent defects, resulting from disease, injury, or congenital malformation. They represent decrease or loss of ability to perform various functions, particularly those of the musculoskeletal system and the sense organs. Code numbers for impairments in the International Classification of Diseases are not used. All impairments are classified by means of a special supplementary code in which they are grouped according to the type of functional impairment and etiology. (See Series 10, No. 48.)

Condition groups.—The 25 condition groups shown in this report and the International Classification code numbers used are listed below.

<u>Conditions causing activity limitation</u>	<u>International Classification of Diseases code number</u>
Tuberculosis, all forms-----	001-019
Malignant neoplasms-----	140-205
Benign and unspecified neoplasms-----	210-239
Asthma-hay fever-----	240, 241
Diabetes-----	260
Mental and nervous conditions-----	083.1, 083.2, 300-324, 325.3, 325.4, 790 except 790.1
Heart conditions-----	410-443, 782.1, 782.2, 782.4
Hypertension without heart involvement-----	444-447
Varicose veins-----	480, 482
Hemorrhoids-----	461
Other conditions of circulatory system-----	400-402, 450-456, 463-468, 782.0, 782.3, 782.5-782.9
Chronic bronchitis and sinusitis-----	502, 513
Other conditions of respiratory system-----	510.0, 511-527 (except 513), 783
Peptic ulcer-----	540-542
Hernia-----	560, 561
Other conditions of digestive system-----	530-539, 543-553 (except 550), 570-587 (except 571), 784, 785
Conditions of genitourinary system-----	591-637, 786, 789
Arthritis and rheumatism-----	720-727
Other diseases of muscles, bones, and joints-----	730-744
Visual impairments	
Hearing impairments	
Paralytic, complete or partial	
Impairments (except paralysis) of back or spine	
Impairments (except paralysis and absence) of upper extremities and shoulders	
Impairments (except paralysis and absence) of lower extremities and hips	

Persons with chronic conditions.— The estimated number of persons with chronic conditions is based on the number of persons who at the time of the interview were reported to have one chronic condition or more.

Prevalence of conditions.— In general, prevalence of conditions is the estimated number of conditions of a specified type existing at a specified time or the average number existing during a specified interval of time. The prevalence of chronic conditions is defined as the number of chronic cases reported to be present or assumed to be present at the time of the interview; those assumed to be present at the time of the interview are cases described by the respondent in terms of one of the chronic diseases on the Check List of Chronic Conditions and reported to have been present at some time during the 12-month period prior to the interview.

Terms Relating to Disability

Chronic activity limitation.— Persons with chronic conditions are classified into four categories according to the extent to which their activities are limited at present as a result of these conditions. Since the usual activities of preschool children, school-age children, housewives, and workers and other persons differ, a different set of criteria is used for each group. There is a general similarity between them, however, as will be seen in the descriptions of the four categories below:

1. *Persons unable to carry on major activity for their group* (major activity refers to ability to work, keep house, or go to school)

Preschool children: inability to take part in ordinary play with other children.

School-age children: inability to go to school.

Housewives: inability to do any housework.

Workers and all

other persons: inability to work at a job or business.

2. *Persons limited in the amount or kind of major activity performed* (major activity refers to ability to work, keep house, or go to school)

Preschool children: limited in the amount or kind of play with other children, e.g., need special rest periods, cannot play strenuous games, cannot play for long periods at a time.

School-age children: limited to certain types of schools or in school attendance, e.g., need special schools or special teaching, cannot go to school full time or for long periods at a time.

Housewives: limited in amount or kind of housework, i.e., cannot lift children, wash or iron, or do housework for long periods at a time.

Workers and all other persons:

limited in amount or kind of work, e.g., need special working aids or special rest periods at work, cannot work full time or for long periods at a time, cannot do strenuous work,

3. *Persons not limited in major activity but otherwise limited* (major activity refers to ability to work, keep house, or go to school)

Preschool children: not classified in this category.

School-age children: not limited in going to school but limited in participation in athletics or other extracurricular activities.

Housewives: not limited in housework but limited in other activities, such as church, clubs, hobbies, civic projects, or shopping.

Workers and all other persons:

not limited in regular work activities but limited in other activities, such as church, clubs, hobbies, civic projects, sports, or games.

4. *Persons not limited in activities* include persons with chronic conditions whose activities are not limited in any of the ways described above.

Chronic mobility limitation.—Persons with chronic conditions are classified into four (or six) categories according to the extent to which their mobility is limited at present as a result of these conditions. The categories are:

1. *Confined to the house.*—Confined to the house all or most of the time.
 - A. *Confined to bed.*—Must stay in bed all or most of the time.
 - B. *Not confined to bed.*—Must stay in the house all or most of the time.
2. *Needs help in getting around.*—Able to go outside but needs the help of another person or special aid in getting around outside.
 - A. *Of another person.*—Needs the help of another person in getting around inside or outside the house.
 - B. *Of special aid.*—Needs the help of some special aid such as a cane or wheelchair in getting around inside or outside the house.
3. *Has trouble getting around alone.*—Does not need the help of another person or a special aid but has trouble in getting around freely.
4. *Not limited in mobility.*—Not limited in any of the ways described above.

Demographic, Social, and Economic Terms

Age.—The age recorded for each person is the age at last birthday. Age is recorded in single years and

grouped in a variety of distributions depending upon the purpose of the table.

Color.—In this report the population is subdivided into the two groups "white" and "all other." "All other" includes Negro, American Indian, Chinese, Japanese, and so forth. Mexican persons are included in "white" unless definitely known to be Indian or of another race.

Income of family or of unrelated individuals.—Each member of a family is classified according to the total income of the family of which he is a member. Within the household all persons related to each other by blood, marriage, or adoption constitute a family. Unrelated individuals are classified according to their own income.

The income recorded is the total of all income received by members of the family (or by an unrelated individual) in the 12-month period preceding the week of interview. Income from all sources is included, e.g., wages, salaries, rents from property, pensions, help from relatives, and so forth.

In the labor force.— This includes all persons 17 years of age and older who worked at or had a job or business or were looking for work or on layoff from work during the 2-week period prior to week of interview. The labor force consists of persons currently employed and those unemployed, as defined below.

Currently employed includes persons 17 years of age or over who reported that at any time during the 2-week period covered by the interview they either worked at or had a job or business. Current employment includes paid work as an employee of someone else, self-employment in business, farming, or professional practice, and unpaid work in a family business or farm. Persons who were temporarily absent from their job or business because of a temporary illness, vacation, strike, or bad weather are considered as currently employed if they expected to work as soon as the particular event causing their absence no longer existed.

Free-lance workers are considered as having a job if they had a definite arrangement with one or more employees to work for pay according to a weekly or monthly schedule, either full time or part time. Excluded from the currently employed population are such persons who have no definite employment schedule but who work only when their services are needed.

Also excluded from the currently employed population are (1) persons who were not working, even though having a job or business, but were on layoff or looking for work, (2) persons receiving revenue from an enterprise but not participating in its operation, (3) persons doing housework or charity work for which they received no pay, and (4) seasonal workers during the unemployment season.

The number of currently employed persons estimated by the Health Interview Survey (HIS) will differ from the estimates prepared by the Current Population Survey (CPS), U.S. Bureau of the Census, for several reasons. In addition to sampling variability they include three primary conceptual differences, namely, (1) HIS estimates are for persons 17 years of age or over; CPS estimates are for persons 14 years of age or over; (2) HIS uses a 2-week-reference period, while CPS uses a 1-week-reference period; (3) HIS is a continuing survey with separate samples taken weekly, while CPS is a monthly sample taken for the survey week which includes the 12th of the month.

Currently unemployed.— This includes persons 17 years and over who, during the 2-week period prior to interview, did not work, had no job or business, but were looking for work or persons with a job but on layoff or looking for work.

Not in the labor force.— Persons not in the labor force are all persons under 17 years of age and other persons who did not at any time during the 2-week period covered by the interview have a job or business, were not looking for work, and were not on layoff from a job. In general, persons excluded from the labor force are children under 17, retired persons, the physically handicapped unable to work, and housewives or charity workers who receive no pay.

Region.— For the purpose of classifying the population by geographic area, the States are grouped into four regions. These regions, which correspond to those used by the U.S. Bureau of the Census, are as follows:

<i>Region</i>	<i>States Included</i>
Northeast-----	Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, Connecticut, New York, New Jersey, Pennsylvania
North Central---	Michigan, Ohio, Indiana, Illinois, Wisconsin, Minnesota, Iowa, Missouri, North Dakota, South Dakota, Nebraska, Kansas
South-----	Delaware, Maryland, District of Columbia, Virginia, West Virginia, North Carolina, South Carolina, Georgia, Florida, Kentucky, Tennessee, Alabama, Mississippi, Arkansas, Louisiana, Oklahoma, Texas
West-----	Montana, Idaho, Wyoming, Colorado, New Mexico, Arizona, Utah, Nevada, Washington, Alaska, Oregon, California, Hawaii

APPENDIX III. QUESTIONNAIRE

The items below show the exact content and wording of the basic questionnaire used in the nationwide household survey of the U.S. National Health Survey. The actual questionnaire is designed for a household as a unit and includes additional spaces for reports on more than one person, condition, accident, or hospitalization. Such spaces are omitted in this illustration.

NOTICE - All information which would permit identification of the individual will be held in strict confidence, will be used only by persons engaged in and for the purposes of the survey, and will not be disclosed or released to others for any purposes.	
Form NHS-HIS-1 (FY67) REVISED 9-30-66 Budget Bureau No. 68-R1600 Approval Expires 3-31-68	U.S. DEPARTMENT OF COMMERCE—BUREAU OF THE CENSUS ACTING AS COLLECTING AGENT FOR THE U.S. PUBLIC HEALTH SERVICE U.S. HEALTH INTERVIEW SURVEY
23.3:1 Book of Books	
2a. STREET ADDRESS <i>House No., Street, Apt. No. or other ident.</i> City _____ State _____ Zip Code _____ 3. <input type="checkbox"/> Ask → WHEN WAS THIS STRUCTURE ORIGINALLY BUILT? <input type="checkbox"/> Do Not Ask Item 3 <input type="checkbox"/> Before 4-1-60—Continue interview <input type="checkbox"/> After 4-1-60—Go to Q. 10c, ask if required, and end interview.	2b. MAILING ADDRESS <i>If different from 2a</i> <input type="checkbox"/> Some as 2a City _____ State _____ Zip Code _____ 2c. SPECIAL DWELLING PLACE - Name and Sample Number Name _____ Sample No. _____ 4a. SAMPLE <i>Circle One</i> B-38 B-39 B-40 B-41 B-42 B-43 4b. PSU <input type="text"/>
10. <input type="checkbox"/> Do Not Ask Item 10—Go To Item L a. <input type="checkbox"/> Ask: ARE THERE ANY OCCUPIED OR VACANT LIVING QUARTERS BESIDES YOUR OWN IN THIS BUILDING? <input type="checkbox"/> Yes—Fill Table X <input type="checkbox"/> No b. <input type="checkbox"/> Ask: ARE THERE ANY OCCUPIED OR VACANT LIVING QUARTERS BESIDES YOUR OWN ON THIS FLOOR? <input type="checkbox"/> Yes—Fill Table X <input type="checkbox"/> No c. <input type="checkbox"/> Ask: IS THERE ANY OTHER BUILDING ON THIS PROPERTY FOR PEOPLE TO LIVE IN - EITHER OCCUPIED OR VACANT? <input type="checkbox"/> Yes—Fill Table X <input type="checkbox"/> No Item L <input type="checkbox"/> Rural—Ask items 11 and 12 <input type="checkbox"/> All other (1)—Go to 13 11. DO YOU OWN OR RENT THIS PLACE? <input type="checkbox"/> Own—Ask 12a <input type="checkbox"/> Rent—Ask 12b <input type="checkbox"/> Rent Free—Ask 12a 12a. DOES THIS PLACE HAVE 10 OR MORE ACRES? <input type="checkbox"/> Yes—Ask 12c b. DOES THE PLACE YOU RENT HAVE 10 OR MORE ACRES? <input type="checkbox"/> No—Ask 12d c. DURING THE PAST 12 MONTHS DID SALES OF CROPS, LIVESTOCK, AND OTHER FARM PRODUCTS FROM THIS PLACE AMOUNT TO \$50 OR MORE? <input type="checkbox"/> Yes (2) <input type="checkbox"/> No (4) d. DURING THE PAST 12 MONTHS DID SALES OF CROPS, LIVESTOCK, AND OTHER FARM PRODUCTS FROM THIS PLACE AMOUNT TO \$250 OR MORE? <input type="checkbox"/> Yes (3) <input type="checkbox"/> No (5)	4b. PSU <input type="text"/> 5a. SEGMENT NUMBER <input type="text"/> b. SEG. TYPE <i>Circle</i> —A B P LSDP 6. SERIAL NUMBER <input type="text"/> 7. SPECIAL DWELLING PLACE—Type and Code <i>Mark type code</i> Type <input type="text"/> Code <input type="text"/> 8. NONINTERVIEW REASON If "other" is marked describe in footnote space. Type A Ref NCH TA OTH <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Type B VNS VS USE AF OTH <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Type C Dem Mis ESS 4-1-60 OTH <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> 9. TYPE OF LIVING QUARTERS Mark one circle <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> 12e. LAND USAGE Mark code from Item L or 12c or 12d <input type="text"/>
13. HOW MANY ROOMS ARE IN THIS — (UNIT) COUNT THE KITCHEN BUT NOT THE BATHROOM. <i>Write in and mark</i> Total Rooms <input type="text"/>	12e. LAND USAGE <input type="text"/>
14. HOW MANY BEDROOMS ARE IN THIS — (UNIT) If "none" describe in footnotes <i>Write in and mark</i> No. of Bedrooms <input type="text"/>	12e. LAND USAGE <input type="text"/>
15. WHAT IS THE TELEPHONE NUMBER HERE? <i>Write in and mark</i> <input type="text"/>	12e. LAND USAGE <input type="text"/>
16. INTERVIEWER CHECK ITEM: Check questions 22a-22d & 23c on pages 4 & 5. Is a Home Care Supplement required? <input type="checkbox"/> Yes—Fill Home Care Supplement <input type="checkbox"/> No—Leave Thank You Letter and depart	
17. RECORD OF CALLS AT HOUSEHOLD DATE AND TIME OF CALL Date _____ Time _____ LENGTH OF INTERVIEW <i>Minutes</i> _____	ITEMS 18-23 ARE TO BE FILLED AFTER THE INTERVIEW 18. NUMBER OF CALLS AT HOUSEHOLD <i>Mark from item 17</i> <input type="text"/> 19. DATE OF COMPLETION <i>Enter from item 17</i> Month Jan <input type="checkbox"/> Apr <input type="checkbox"/> July <input type="checkbox"/> Oct <input type="checkbox"/> Feb <input type="checkbox"/> May <input type="checkbox"/> Aug <input type="checkbox"/> Nov <input type="checkbox"/> Mar <input type="checkbox"/> June <input type="checkbox"/> Sept <input type="checkbox"/> Dec <input type="checkbox"/> Day <input type="text"/>
20a. NAME OF OBSERVER <i>If 20b marked "yes"</i> _____	20b. WAS THIS INTERVIEW OBSERVED? <input type="checkbox"/> Yes <input type="checkbox"/> No
21a. INTERVIEWER NAME <i>Write-in</i> _____	21b. INTERVIEWER NUMBER <input type="text"/>
FOOTNOTES	22. IDENTIFICATION CODE NO. Mark from tab of Segment folder <input type="text"/> 23. REGIONAL OFFICE NUMBER <input type="text"/> WASHINGTON USE Book Number <i>See item 1</i> <input type="text"/> Total Number of Conditions this H.H. <input type="text"/> Total Number of Hospitalizations this H.H. <input type="text"/> Total Number of Doctor Visits this H.H. <input type="text"/> Total Number of Persons this H.H. <input type="text"/> Total Persons Requiring Home Care this Household <input type="text"/>

1a. WHAT IS THE NAME OF THE HEAD OF THIS HOUSEHOLD?	First Name 01	First Name 02
	Last Name	Last Name
b. WHAT ARE THE NAMES OF ALL OTHER PERSONS WHO LIVE HERE? List all Yes No		
c. I HAVE LISTED read names. IS THERE ANYONE ELSE STAYING HERE NOW? <input type="checkbox"/> Yes <input type="checkbox"/> No		
d. HAVE I MISSED ANYONE WHO USUALLY LIVES HERE BUT IS NOW AWAY FROM HOME? <input type="checkbox"/> Yes <input type="checkbox"/> No		
e. DO ANY OF THE PEOPLE IN THIS HOUSEHOLD HAVE A HOME ANYWHERE ELSE? <input type="checkbox"/> Yes <input type="checkbox"/> No		
f. ARE ANY OF THE PERSONS IN THIS HOUSEHOLD ON FULL-TIME ACTIVE DUTY IN THE ARMED FORCES? If "yes", delete <input type="checkbox"/> Yes <input type="checkbox"/> No		
2. HOW IS -- RELATED TO (head of household)?		
3. PERSON NUMBER First column should have person 01, second column person 02, etc.	Per.No.	Per.No.
4a. HOW OLD WAS -- ON HIS LAST BIRTHDAY Write in next to "relationship" and mark	Age	Age
b. SEX Mark without asking unless sex is not obvious from name	Male Female	Male Female
c. RACE Mark without asking	White Negro Other	White Negro Other
If 17 years old or over, ask:	Mar. Wid. Div. Sep. N.M. Und. 17	Mar. Wid. Div. Sep. N.M. Und. 17
5. IS -- NOW MARRIED, WIDOWED, DIVORCED, SEPARATED, OR NEVER MARRIED?		
If 17 years old or over, ask:	WK KH SE Under 17 V	WK KH SE Under 17 V
6. WHAT WAS -- DOING MOST OF THE PAST 12 MONTHS -- (for males) WORKING OR DOING SOMETHING ELSE? (for females) KEEPING HOUSE, WORKING OR DOING SOMETHING ELSE?		
If "SE" marked in Q. 6 and person is 15 years old or over, ask:	Yes No V	Yes No V
7. IS -- RETIRED?		
If related persons 19 years old or over are listed in addition to the resp., say:	Under 19 At home Not home V	Under 19 At home Not home V
H WE WOULD LIKE TO HAVE ALL ADULTS WHO ARE AT HOME TAKE PART IN THE INTERVIEW. IS YOUR --, ETC., AT HOME NOW? (WOULD YOU PLEASE ASK -- ETC., TO JOIN US?)		
THIS SURVEY COVERS ALL KINDS OF ILLNESSES. THESE FIRST QUESTIONS REFER TO LAST WEEK AND THE WEEK BEFORE, THAT IS, THE 2-WEEK PERIOD OUTLINED IN RED ON THIS CALENDAR. Hand calendar to respondent and ask 8a.	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
8a. WAS -- SICK AT ANY TIME LAST WEEK OR THE WEEK BEFORE (THE 2 WEEKS SHOWN ON THAT CALENDAR)?		
b. WHAT WAS THE MATTER?		
c. DID -- HAVE ANYTHING ELSE DURING THAT 2-WEEK PERIOD?		
9a. LAST WEEK OR THE WEEK BEFORE, DID -- TAKE ANY MEDICINE OR TREATMENT FOR ANY CONDITION (BESIDES ... WHICH YOU TOLD ME ABOUT)?	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
b. FOR WHAT CONDITION?		
c. DID -- TAKE ANY MEDICINE FOR ANY OTHER CONDITION?		
10a. LAST WEEK OR THE WEEK BEFORE, DID -- HAVE ANY ACCIDENTS OR INJURIES?	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
b. WHAT WERE THEY?		
c. DID -- HAVE ANY OTHER ACCIDENTS OR INJURIES DURING THAT 2-WEEK PERIOD?		
11a. DID -- EVER HAVE AN (ANY OTHER) ACCIDENT OR INJURY THAT STILL BOTHERS HIM OR AFFECTS HIM IN ANY WAY?	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
b. IN WHAT WAY DOES IT BOTHER HIM? Record present effects.		
12. Open your Flashcard booklet to Card A and read both sides of Card A (A-1, A-2) condition by condition; record in his column any conditions mentioned for the person.	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
13. Turn to Card B and read both sides of Card B (B-1, B-2), condition by condition; record in his column any conditions mentioned for the person.	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
14a. DOES -- HAVE ANY OTHER AILMENTS, CONDITIONS, OR PROBLEMS WITH HIS HEALTH?	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
b. WHAT IS THE CONDITION? Record condition itself if still present; otherwise record present effects.		
c. ANY OTHER PROBLEMS WITH HIS HEALTH?		
R For persons 19 years old or over, show who responded for (or was present during the asking of) Q. 8-14. If persons responded for self, show whether entirely or partly.	<input type="checkbox"/> Responded for self-entirely	<input type="checkbox"/> Responded for self-entirely
Q. 8-14 For persons under 19 show who responded for them. If eligible respondent is "at home" but did not respond for self, enter the reason in a footnote.	<input type="checkbox"/> Responded for self-partly	<input type="checkbox"/> Responded for self-partly
	Person _____ was respondent	Person _____ was respondent

Make no mark in this margin

<p>15a. HAS -- BEEN IN A HOSPITAL AT ANY TIME SINCE A YEAR AGO? <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>If "Yes," ask:</p> <p>b. HOW MANY TIMES WAS -- IN A HOSPITAL DURING THAT PERIOD? Times _____</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Times _____</p>
<p>16a. HAS ANYONE IN THE FAMILY BEEN IN A NURSING HOME, CONVALESCENT HOME, REST HOME OR SIMILAR PLACE SINCE A YEAR AGO? <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>If "Yes," ask:</p> <p>b. WHO? For each person reported in 16b ask:</p> <p>c. HOW MANY TIMES WAS -- IN A NURSING HOME OR SIMILAR PLACE DURING THAT PERIOD? Times _____</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Times _____</p>
<p>17a. WHEN WAS -- BORN? If on or after the date stamped in 15a, ask 17b.</p> <p>Month _____ Day _____ Year _____</p> <p>b. WAS -- BORN IN A HOSPITAL? If "Yes" and no hospitalizations entered in his column, enter "1" in 15. If "Yes" and a hospitalization is reported for the mother and baby ask 17c. <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>c. IS THIS HOSPITALIZATION INCLUDED IN THE NUMBER YOU GAVE ME FOR --? If "No," correct entry for mother and baby. <input type="checkbox"/> Yes <input type="checkbox"/> No</p>	<p>Month _____ Day _____ Year _____</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No</p>
<p>THESE NEXT QUESTIONS ARE ABOUT RECENT VISITS TO OR FROM A MEDICAL DOCTOR.</p>	
<p>18. DURING THE PAST 2 WEEKS (THE 2 WEEKS OUTLINED IN RED ON THAT CALENDAR) HOW MANY TIMES HAS -- SEEN A DOCTOR EITHER AT HOME OR AT A DOCTOR'S OFFICE OR CLINIC? <input type="checkbox"/> None <input type="checkbox"/> None</p> <p>Dr. Visits _____</p>	<p>Dr. Visits _____</p>
<p>19a. (BESIDES THOSE VISITS) DURING THAT 2 WEEK PERIOD HAS ANYONE IN THE FAMILY BEEN TO A DOCTOR'S OFFICE OR CLINIC FOR SHOTS, X-RAYS, TESTS, OR EXAMINATIONS? <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>If "Yes," ask:</p> <p>b. WHO WAS THIS? <input type="checkbox"/> Mark "Yes," in person's column.</p> <p>c. ANYONE ELSE? <input type="checkbox"/> Mark "Yes," in person's column.</p> <p>For each "Yes" marked, ask:</p> <p>d. HOW MANY TIMES DID -- VISIT THE DOCTOR? EXCLUDE visits made on "mass" basis. Visits _____</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Visits _____</p>
<p>20a. DURING THAT PERIOD, DID ANYONE IN THE FAMILY GET ANY MEDICAL ADVICE FROM A DOCTOR OVER THE TELEPHONE? <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>If "Yes" ask:</p> <p>b. WHO WAS THE PHONE CALL ABOUT? <input type="checkbox"/> Mark "Yes" in person's column.</p> <p>c. ANY CALLS ABOUT ANYONE ELSE? <input type="checkbox"/> Mark "Yes" in person's column.</p> <p>For each "Yes" marked, ask:</p> <p>d. HOW MANY TELEPHONE CALLS WERE MADE TO GET MEDICAL ADVICE ABOUT --? Telephone calls to Dr. _____</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Telephone calls to Dr. _____</p>
<p>Visits reported in questions 18-20 for this person. Mark here →</p>	
<p>If no visits reported in questions 18-20 Ask:</p> <p>21a. ABOUT HOW LONG HAS IT BEEN SINCE -- SAW OR TALKED TO A DOCTOR? Estimate is acceptable. If less than 1 year, mark appropriate circles; if more than 1 year, mark number of whole years.</p> <p>If the last visit was within the past 12 months ask:</p> <p>b. IN TOTAL, ABOUT HOW MANY TIMES HAS -- SEEN OR TALKED TO A DOCTOR DURING THE PAST 12 MONTHS?</p>	<p>Visits rep'd in Q. 18-20 Go to 21b</p> <p>During past 2 weeks/not previously reported</p> <p>2 Weeks - 6 Months <input type="checkbox"/></p> <p>7 - 11 Months <input type="checkbox"/></p> <p>Years { <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/> 6 <input type="checkbox"/> 7 <input type="checkbox"/> 8 <input type="checkbox"/> 9 <input type="checkbox"/> 10 <input type="checkbox"/> 11 <input type="checkbox"/> 12 <input type="checkbox"/> 13 <input type="checkbox"/> 14 <input type="checkbox"/> 15 <input type="checkbox"/> 16 <input type="checkbox"/> 17 <input type="checkbox"/> 18 <input type="checkbox"/> 19 <input type="checkbox"/> 20 <input type="checkbox"/> 21 <input type="checkbox"/> 22 <input type="checkbox"/> 23 <input type="checkbox"/> 24 <input type="checkbox"/> 25 <input type="checkbox"/> 26 <input type="checkbox"/> 27 <input type="checkbox"/> 28 <input type="checkbox"/> 29 <input type="checkbox"/> 30 <input type="checkbox"/> 31 <input type="checkbox"/> 32 <input type="checkbox"/> 33 <input type="checkbox"/> 34 <input type="checkbox"/> 35 <input type="checkbox"/> 36 <input type="checkbox"/> 37 <input type="checkbox"/> 38 <input type="checkbox"/> 39 <input type="checkbox"/> 40 <input type="checkbox"/> 41 <input type="checkbox"/> 42 <input type="checkbox"/> 43 <input type="checkbox"/> 44 <input type="checkbox"/> 45 <input type="checkbox"/> 46 <input type="checkbox"/> 47 <input type="checkbox"/> 48 <input type="checkbox"/> 49 <input type="checkbox"/> 50 <input type="checkbox"/> DK <input type="checkbox"/> Never <input type="checkbox"/></p> <p>DK None <input type="checkbox"/></p> <p>Times { <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/> 6 <input type="checkbox"/> 7 <input type="checkbox"/> 8 <input type="checkbox"/> 9 <input type="checkbox"/> 10 <input type="checkbox"/> 11 <input type="checkbox"/> 12 <input type="checkbox"/> 13 <input type="checkbox"/> 14 <input type="checkbox"/> 15 <input type="checkbox"/> 16 <input type="checkbox"/> 17 <input type="checkbox"/> 18 <input type="checkbox"/> 19 <input type="checkbox"/> 20 <input type="checkbox"/> 21 <input type="checkbox"/> 22 <input type="checkbox"/> 23 <input type="checkbox"/> 24 <input type="checkbox"/> 25 <input type="checkbox"/> 26 <input type="checkbox"/> 27 <input type="checkbox"/> 28 <input type="checkbox"/> 29 <input type="checkbox"/> 30 <input type="checkbox"/> 31 <input type="checkbox"/> 32 <input type="checkbox"/> 33 <input type="checkbox"/> 34 <input type="checkbox"/> 35 <input type="checkbox"/> 36 <input type="checkbox"/> 37 <input type="checkbox"/> 38 <input type="checkbox"/> 39 <input type="checkbox"/> 40 <input type="checkbox"/> 41 <input type="checkbox"/> 42 <input type="checkbox"/> 43 <input type="checkbox"/> 44 <input type="checkbox"/> 45 <input type="checkbox"/> 46 <input type="checkbox"/> 47 <input type="checkbox"/> 48 <input type="checkbox"/> 49 <input type="checkbox"/> 50 <input type="checkbox"/> DK <input type="checkbox"/> None <input type="checkbox"/></p>
<p>If person is 55 years old or over, ask:</p> <p>THE FOLLOWING QUESTIONS REFER TO DIFFERENT KINDS OF PERSONAL CARE SOME PEOPLE NEED AT HOME:</p> <p>22a. DOES -- NEED ANY HELP IN BATHING, DRESSING OR PUTTING ON HIS SHOES? Yes <input type="checkbox"/> Step <input type="checkbox"/> No <input type="checkbox"/> DK <input type="checkbox"/></p> <p>b. DOES -- NEED ANY HELP AT HOME WITH INJECTIONS, SHOTS OR OTHER TREATMENTS? Yes <input type="checkbox"/> Step <input type="checkbox"/> No <input type="checkbox"/> DK <input type="checkbox"/></p> <p>c. DOES -- NEED ANY ONE'S HELP WHEN WALKING UP STAIRS OR GETTING FROM ROOM TO ROOM? Yes <input type="checkbox"/> Step <input type="checkbox"/> No <input type="checkbox"/> DK <input type="checkbox"/></p> <p>d. DOES -- NEED ANY HELP AT ALL IN CARING FOR HIMSELF? Yes <input type="checkbox"/> Step <input type="checkbox"/> No <input type="checkbox"/> DK <input type="checkbox"/></p>	<p>Under 55 - Step <input type="checkbox"/></p> <p>55 or over - Ask 22a. <input type="checkbox"/></p> <p>Yes <input type="checkbox"/> Step <input type="checkbox"/> No <input type="checkbox"/> DK <input type="checkbox"/></p> <p>Yes <input type="checkbox"/> Step <input type="checkbox"/> No <input type="checkbox"/> DK <input type="checkbox"/></p> <p>Yes <input type="checkbox"/> Step <input type="checkbox"/> No <input type="checkbox"/> DK <input type="checkbox"/></p> <p>Yes <input type="checkbox"/> Step <input type="checkbox"/> No <input type="checkbox"/> DK <input type="checkbox"/></p>
<p>23a. DURING THE PAST 12 MONTHS, HAS -- RECEIVED ANY CARE AT HOME FROM A NURSE? Yes-Ask 23b & c <input type="checkbox"/> No <input type="checkbox"/> Step <input type="checkbox"/> DK <input type="checkbox"/></p> <p>b. DURING THIS 12 MONTH PERIOD, ABOUT HOW MANY VISITS DID A NURSE MAKE TO CARE FOR --? Visits _____</p> <p>c. WERE ANY OF THESE VISITS DURING THE PAST 2-WEEKS? Yes <input type="checkbox"/> No <input type="checkbox"/> DK <input type="checkbox"/></p>	<p>Yes-Ask 23b & c <input type="checkbox"/> No <input type="checkbox"/> Step <input type="checkbox"/> DK <input type="checkbox"/></p> <p>Visits { <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/> 6 <input type="checkbox"/> 7 <input type="checkbox"/> 8 <input type="checkbox"/> 9 <input type="checkbox"/> 10 <input type="checkbox"/> 11 <input type="checkbox"/> 12 <input type="checkbox"/> 13 <input type="checkbox"/> 14 <input type="checkbox"/> 15 <input type="checkbox"/> 16 <input type="checkbox"/> 17 <input type="checkbox"/> 18 <input type="checkbox"/> 19 <input type="checkbox"/> 20 <input type="checkbox"/> 21 <input type="checkbox"/> 22 <input type="checkbox"/> 23 <input type="checkbox"/> 24 <input type="checkbox"/> 25 <input type="checkbox"/> 26 <input type="checkbox"/> 27 <input type="checkbox"/> 28 <input type="checkbox"/> 29 <input type="checkbox"/> 30 <input type="checkbox"/> 31 <input type="checkbox"/> 32 <input type="checkbox"/> 33 <input type="checkbox"/> 34 <input type="checkbox"/> 35 <input type="checkbox"/> 36 <input type="checkbox"/> 37 <input type="checkbox"/> 38 <input type="checkbox"/> 39 <input type="checkbox"/> 40 <input type="checkbox"/> 41 <input type="checkbox"/> 42 <input type="checkbox"/> 43 <input type="checkbox"/> 44 <input type="checkbox"/> 45 <input type="checkbox"/> 46 <input type="checkbox"/> 47 <input type="checkbox"/> 48 <input type="checkbox"/> 49 <input type="checkbox"/> 50 <input type="checkbox"/> DK <input type="checkbox"/> None <input type="checkbox"/></p> <p>Yes <input type="checkbox"/> No <input type="checkbox"/> DK <input type="checkbox"/></p>

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CONDITION (Con'd.)		REFER RESPONDENT TO TWO-WEEK CALENDAR FOR QUESTIONS 9-14	
Ask question 9a for all conditions.	9a. LAST WEEK OR THE WEEK BEFORE DID HIS . . . CAUSE HIM TO CUT DOWN ON THE THINGS HE USUALLY DOES?	Yes <input type="radio"/> No - Go to 14a <input type="radio"/>	V <input type="radio"/>
	b. DID HE HAVE TO CUT DOWN FOR AS MUCH AS A DAY?	Yes <input type="radio"/> No - Go to 14a <input type="radio"/>	V <input type="radio"/>
Ask questions 10 and 11 if "Yes" marked in question 9b.	10. HOW MANY DAYS DID HE HAVE TO CUT DOWN DURING THAT TWO WEEK PERIOD?	Write in and mark <input type="text"/> Days {	V <input type="radio"/>
	11. DURING THAT TWO WEEK PERIOD, HOW MANY DAYS DID HIS . . . KEEP HIM IN BED ALL OR MOST OF THE DAY?	Write in and mark <input type="text"/> Days {	V <input type="radio"/>
Ask question 12 if person is 6-16 years old.	12. HOW MANY DAYS DID HIS . . . KEEP HIM FROM SCHOOL DURING THAT TWO WEEK PERIOD?	Write in and mark <input type="text"/> Days {	V <input type="radio"/>
Ask question 13 if person is 17 years old or over.	13. HOW MANY DAYS DID HIS . . . KEEP HIM FROM WORK DURING THAT TWO WEEK PERIOD? (For females add) NOT COUNTING WORK AROUND THE HOUSE?	Write in and mark <input type="text"/> Days {	V <input type="radio"/>
Ask question 14 for all conditions.	14a. WHEN DID HE FIRST NOTICE HIS . . . ? WAS IT DURING THE PAST 3 MONTHS OR BEFORE THAT TIME?	During 3 mos. <input type="radio"/> Before 3 mos. - Go to 15 <input type="radio"/>	V <input type="radio"/>
	b. DID HE FIRST NOTICE IT DURING THE PAST TWO WEEKS OR BEFORE THAT TIME?	Past 2 wks. <input type="radio"/> Before 2 wks. - Go to 16 <input type="radio"/>	V <input type="radio"/>
	c. WHICH WEEK, LAST WEEK OR THE WEEK BEFORE?	Last week <input type="radio"/> Week before <input type="radio"/>	V <input type="radio"/>
Ask question 15 only if condition was first noticed "Before 3 months."	15. DID -- FIRST NOTICE IT DURING THE PAST 12 MONTHS OR BEFORE THAT TIME?	3-12 mos. <input type="radio"/> Before 12 mos. <input type="radio"/>	V <input type="radio"/>
Ask for person 6 years old or over for whom an eye condition or vision problem (including cataracts and glaucoma) has been reported.	<input type="checkbox"/> Not an eye condition <input type="checkbox"/> Not first eye condition <input type="checkbox"/> Under 6	Yes - Ask 16a <input type="radio"/> No - Omit 16a, c <input type="radio"/>	V <input type="radio"/>
	16a. CAN -- SEE WELL ENOUGH TO READ ORDINARY NEWSPAPER PRINT WITH GLASSES?	Yes - Omit 16a <input type="radio"/> No - Ask 16a <input type="radio"/>	V <input type="radio"/>
	b. CAN -- SEE WELL ENOUGH TO RECOGNIZE A FRIEND WALKING ON THE OTHER SIDE OF THE STREET?	Yes - Omit 16a <input type="radio"/> No - Ask 16a <input type="radio"/>	V <input type="radio"/>
	c. HOW MUCH TROUBLE WOULD YOU SAY THAT -- HAS IN SEEING: A GREAT DEAL, SOME, OR HARDLY ANY AT ALL?	Great deal <input type="radio"/> Some <input type="radio"/> Hardly any or none <input type="radio"/>	V <input type="radio"/>
AA: IF THIS IS A CONDITION ON CARD A OR B, OR STARTED "BEFORE 3 MONTHS," ASK Q. 17; OTHERWISE GO TO ITEM BB.			
Ask question 17b if "1" or more days in question 17a and question 11 is blank or marked "None."	17a. ABOUT HOW MANY DAYS DURING THE PAST 12 MONTHS HAS HIS . . . KEPT HIM IN BED ALL OR MOST OF THE DAY?	Write in and mark <input type="text"/> Days {	V <input type="radio"/>
	b. WERE ANY OF THESE -- DAYS DURING LAST WEEK OR THE WEEK BEFORE?	Yes <input type="radio"/> No - Go to BB <input type="radio"/>	V <input type="radio"/>
	c. HOW MANY?	Write in and mark <input type="text"/> Days {	V <input type="radio"/>
BB: Is this the LAST condition for this person?	<input type="checkbox"/> Yes - Ask 18-21 if person has "1" or more conditions past AA <input type="checkbox"/> No - Go to next condition		
Show Card D, E, F, or G, as appropriate based on activity status or age.	18. PLEASE LOOK AT EACH STATEMENT ON THIS CARD (CARD D, E, F, G). THEN TELL ME WHICH STATEMENT FITS -- BEST IN TERMS OF HEALTH.	Mark statement number →	V <input type="radio"/>
If 1, 2, or 3 marked in 18 ask: → If 4 marked in 18 go to 20.	19. IS THIS BECAUSE OF ANY OF THE CONDITIONS YOU HAVE TOLD ME ABOUT?	<input type="checkbox"/> Yes → WHICH? ----- Enter condition numbers <input type="checkbox"/> No → WHAT DOES CAUSE THIS LIMITATION? ----- Enter cause	WASHINGTON USE Yes <input type="radio"/> No <input type="radio"/> V <input type="radio"/> Age <input type="radio"/> Gen <input type="radio"/> Ch <input type="radio"/> DK <input type="radio"/>
	20. PLEASE LOOK AT THE BLUE CARD, CARD H. WHICH ONE OF THOSE STATEMENTS FITS -- BEST IN TERMS OF HEALTH? Mark statement number →		V <input type="radio"/>
If 1, 2, 3, 4, or 5 marked in 20, ask: → If 6 marked, omit 21 and go to next person.	21. IS THIS BECAUSE OF ANY OF THE CONDITIONS YOU HAVE TOLD ME ABOUT?	<input type="checkbox"/> Yes → WHICH? ----- Enter condition numbers <input type="checkbox"/> No → WHAT DOES CAUSE THIS LIMITATION? ----- Enter cause	WASHINGTON USE Yes <input type="radio"/> No <input type="radio"/> V <input type="radio"/> Age <input type="radio"/> Gen <input type="radio"/> Ch <input type="radio"/> DK <input type="radio"/>

Write an mark in this space

Write no next to the margin

<p>HOSPITAL PAGE</p>	<p>1. Person number Person number</p> <p style="text-align: center;"><i>Write in and mark</i> <input type="text"/></p>	<p>WASHINGTON USE</p>
<p><i>Enter month, day, year; if the exact date is not known, obtain the best estimate.</i></p> <p>USE YOUR CALENDAR</p>	<p>YOU SAID THAT -- WAS IN THE (HOSPITAL/NURSING HOME) DURING THE PAST YEAR:</p> <p>2. WHEN DID -- ENTER THE (HOSPITAL/NURSING HOME) (THE LAST TIME)?</p> <p style="text-align: center;"><i>Write in</i></p> <p style="text-align: center;"><i>Make sure the YEAR is correct.</i> →</p> <div style="border: 1px solid black; padding: 2px;">Month</div> <div style="border: 1px solid black; padding: 2px;">Day</div> <div style="border: 1px solid black; padding: 2px;">Year</div>	<p>Month: Jan <input type="checkbox"/> Apr <input type="checkbox"/> July <input type="checkbox"/> Oct <input type="checkbox"/> Feb <input type="checkbox"/> May <input type="checkbox"/> Aug <input type="checkbox"/> Nov <input type="checkbox"/> Mar <input type="checkbox"/> June <input type="checkbox"/> Sept <input type="checkbox"/> Dec <input type="checkbox"/></p> <p>Day: <input type="text"/></p> <p>Year: <input type="text"/></p>
<p><i>Do not include any nights in interview week. If the exact number is not known, accept the best estimate.</i></p>	<p>3. HOW MANY NIGHTS WAS -- IN THE (HOSPITAL/NURSING HOME)?</p> <div style="border: 1px solid black; padding: 2px;">Total nights in hospital -- nursing home</div>	<p>Nights: <input type="text"/></p>
<p><i>Complete question 4 from entries in questions 2 and 3; if not clear, ask the questions.</i></p> <p><i>Do not include any nights in interview week.</i></p> <p>USE YOUR CALENDAR</p>	<p>4a. HOW MANY OF THESE -- NIGHTS WERE IN THE PAST 12 MONTHS?</p> <div style="border: 1px solid black; padding: 2px;">Nights past 12 months</div> <p>4b. HOW MANY OF THESE -- NIGHTS WERE LAST WEEK OR THE WEEK BEFORE?</p> <div style="border: 1px solid black; padding: 2px;">Nights past 2 weeks</div> <p>4c. WAS -- STILL IN THE (HOSPITAL/NURSING HOME) LAST SUNDAY NIGHT FOR THIS HOSPITALIZATION (STAY)? <input type="checkbox"/> Yes <input type="checkbox"/> No</p>	<p>Q. No. 15 <input type="checkbox"/> 16 <input type="checkbox"/> 17 <input type="checkbox"/> Hosp. <input type="checkbox"/> Other <input type="checkbox"/></p> <p>Diag. <input type="text"/></p> <p>Diagnosis, surgically treated <input type="text"/></p>
<p><i>If medical name not known, enter an adequate description.</i></p> <p><i>Entry must show CAUSE, KIND, and PART OF BODY in same detail as required for the Condition page.</i></p>	<p>5. FOR WHAT CONDITION DID -- ENTER THE (HOSPITAL/NURSING HOME) -- DO YOU KNOW THE MEDICAL NAME?</p> <p><i>For delivery ask: WAS THIS A NORMAL DELIVERY? If "No" ask: WHAT WAS THE MATTER? Record in "Condition" box</i></p> <p><i>For newborn, ask: WAS THE BABY NORMAL AT BIRTH?</i></p> <div style="border: 1px solid black; padding: 2px;">Condition</div> <div style="border: 1px solid black; padding: 2px;">Cause</div> <div style="border: 1px solid black; padding: 2px;">Kind</div> <div style="border: 1px solid black; padding: 2px;">Part of body</div>	<p>Operation 1 <input type="text"/></p> <p>Operation 2 <input type="text"/></p> <p>Operation 3 <input type="text"/></p> <p>Service <input type="text"/></p> <p>Ownership <input type="text"/></p> <p>IC or dum. code <input type="text"/></p>
<p><i>If name of operation is not known, describe what was done.</i></p>	<p>6a. WERE ANY OPERATIONS PERFORMED ON -- DURING THIS STAY AT THE (HOSPITAL/NURSING HOME)? <input type="checkbox"/> Yes <input type="checkbox"/> No-Go to 7</p> <p>b. WHAT WAS THE NAME OF THE OPERATION?</p> <div style="border: 1px solid black; padding: 2px;">Operation</div> <p>c. ANY OTHER OPERATIONS? <input type="checkbox"/> Yes - Describe above <input type="checkbox"/> No</p>	<p>Footnotes: <input type="text"/></p>
<p><i>Enter the full name of the hospital or nursing home; the street or highway on which it is located, and the city and State; if the city is not known, enter the county.</i></p>	<p>7. WHAT IS THE NAME AND ADDRESS OF THE (HOSPITAL/NURSING HOME)?</p> <div style="border: 1px solid black; padding: 2px;">Name of Hospital</div> <div style="border: 1px solid black; padding: 2px;">Street</div> <div style="border: 1px solid black; padding: 2px;">City (or county) State</div>	<p>0000000000</p>

CONTINUED ON NEXT PAGE

<p style="text-align: center;">DOCTOR VISITS PAGE (1)</p> <p style="text-align: center;">See questions 18-21a on Pages 4 and 5</p> <p>Record each date on which a Doctor was visited in a separate Question 2a of the Doctor Visits Questions.</p> <p>Ask and record the answer to Question 2b on the last set of Doctor Visits Questions for each person.</p> <p>Item D: Interviewer Check Item</p> <p>Enter the number of Doctor Visits reported for each person in question 18-21a on pages 4 and 5. If "None" reported for all persons, check here</p> <p><input type="checkbox"/> None reported Go to Person pages</p> <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:10%;">Person No.</td> <td style="width:5%;">01</td> <td style="width:5%;">02</td> <td style="width:5%;">03</td> <td style="width:5%;">04</td> <td style="width:5%;">05</td> <td style="width:5%;">06</td> </tr> <tr> <td>Visits</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table> <p>Fill one Doctor Visit section for each visit or call reported including additional visits or calls reported in question 2b.</p> <p>FOOTNOTES:</p>	Person No.	01	02	03	04	05	06	Visits							<p style="text-align: right;">Person number</p> <p>1. Person number Write in and mark </p> <p>EARLIER YOU TOLD ME THAT -- HAD SEEN OR TALKED TO A DOCTOR DURING THE PAST 2 WEEKS. Write in and mark Month </p> <p>2a. ON WHAT DATES DURING THAT 2-WEEK PERIOD DID -- VISIT OR TALK TO A DOCTOR? Day </p> <p>b. WERE THERE ANY OTHER DOCTOR VISITS FOR -- DURING THAT PERIOD?</p> <p><input type="checkbox"/> Yes-Repeat Q. 2a <input type="checkbox"/> No-Ask Q. 3-5 for each visit</p> <p>3. WHERE DID -- SEE THE DOCTOR ON THE (Date)? Mark one circle</p> <div style="border: 1px solid black; width: 100%; height: 40px; margin-bottom: 10px;"></div> <p>4. HOW MUCH WAS THE DOCTOR'S BILL FOR THAT VISIT (CALL)?</p> <p>If bill not received, ask: HOW MUCH DO YOU EXPECT THE DOCTOR'S BILL TO BE FOR THAT VISIT (CALL)?</p> <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:10%;">Dollars</td> <td style="width:10%;"></td> <td style="width:10%;">Cents</td> <td style="width:10%;"></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> </table> <p>5. IS THE DOCTOR A GENERAL PRACTITIONER OR A SPECIALIST?</p> <p><input type="checkbox"/> General Practitioner <input type="checkbox"/> Specialist</p> <p>If "Specialist" ask: WHAT KIND OF SPECIALIST IS HE?</p> <div style="border: 1px solid black; width: 100%; height: 30px; margin-bottom: 10px;"></div> <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:10%;"></td> </tr> <tr> <td>Home</td> <td>Telephone</td> <td>Doctor's Office</td> <td>Physician's Office</td> <td>Hospital Emergency Room</td> <td>Hospital Outpatient Clinic</td> <td>Health Department</td> <td>Company or Industry</td> <td>Other Specify</td> <td></td> </tr> <tr> <td></td> </tr> </table> <p style="text-align: center;">WASHINGTON USE</p> <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:10%;">Dollars</td> <td style="width:10%;"></td> <td style="width:10%;">Cents</td> <td style="width:10%;"></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> </table> <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:10%;">Dum. Code</td> <td style="width:10%;"></td> <td style="width:10%;"></td> <td style="width:10%;"></td> <td style="width:10%;"></td> <td style="width:10%;"></td> </tr> <tr> <td>First Visit?</td> <td style="text-align: center;">Yes</td> <td style="text-align: center;">No</td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td style="text-align: center;"><input type="radio"/></td> <td style="text-align: center;"><input type="radio"/></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Kind of Spec.</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>	Dollars		Cents																Home	Telephone	Doctor's Office	Physician's Office	Hospital Emergency Room	Hospital Outpatient Clinic	Health Department	Company or Industry	Other Specify												Dollars		Cents						Dum. Code						First Visit?	Yes	No					<input type="radio"/>	<input type="radio"/>				Kind of Spec.					
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<p>Ask for all persons 17 years old or over.</p> <p>24a. WHAT IS THE HIGHEST GRADE (YEAR)—ATTENDED IN SCHOOL?</p>		<p>Elementary High school College</p>	<p>None - Go to 25a Y V O 1 2 3 4 5 6 7 8 9 10 11 12 Under 17</p>	<p>None - Go to 25a Y E I H i Co V O 1 2 3 4 5 6 7 8 9 10 11 12 Under 17</p>	
<p>b. DID—FINISH THE—GRADE (YEAR)?</p>			<p>Yes No O O</p>	<p>Yes No O O</p>	
<p>Ask for all persons 17 years old or over.</p> <p>25a. DID—WORK AT ANY TIME LAST WEEK OR THE WEEK BEFORE? For females add: NOT COUNTING WORK AROUND THE HOUSE?</p>			<p>Yes No Go to 26a Ask both b and c O O</p>	<p>Yes No Go to 26a Ask both b and c O O</p>	
<p>b. EVEN THOUGH—DID NOT WORK DURING THOSE 2 WEEKS, DOES HE HAVE A JOB OR BUSINESS?</p>			<p>Yes No O O</p>	<p>Yes No O O</p>	
<p>c. WAS HE LOOKING FOR WORK OR ON LAYOFF FROM A JOB?</p>			<p>Yes - Ask d No - Omit d O O</p>	<p>Yes - Ask d No - Omit d O O</p>	
<p>d. WHICH - LOOKING FOR WORK OR ON LAYOFF FROM A JOB?</p>			<p>Looking Layoff Both O O O</p>	<p>Looking Layoff Both O O O</p>	
<p>If "Yes" in 25c only, questions 26a through 26d apply to this person's LAST full-time civilian job.</p>	<p>Ask for all persons with a "Yes" in 25a, 25b, or 25c.</p> <p>26a. WHO DOES (DID)—WORK FOR?</p>	Employer	Employer		
	<p>b. WHAT KIND OF BUSINESS OR INDUSTRY IS THIS?</p>	Industry	Industry		
	<p>c. WHAT KIND OF WORK IS (WAS)—DOING?</p>	Occupation	Occupation		
<p>Fill 26d from entries in 26a-26c; if not clear, ask.</p> <p>d. CLASS OF WORKER</p>		<p>Pvt.-paid Gov't.-Fed. Gov't.-Other O O O Own Non-paid Non-Married O O O</p>	<p>Pvt.-paid Gov't.-Fed. Gov't.-Other O O O Own Non-paid Non-Married O O O</p>		
<p>Ask for all males 17 years old or over.</p> <p>27a. DID—EVER SERVE IN THE ARMED FORCES OF THE UNITED STATES?</p>		<p>Yes No - Go to 28 V O O</p>	<p>Yes No - Go to 28 V O O</p>		
<p>b. WAS ANY OF HIS SERVICE DURING A WAR?</p>		<p>Yes - Stop No DK O O O</p>	<p>Yes - Stop No DK O O O</p>		
<p>If "No" or "DK" in 27b ask: c. WAS ANY OF HIS SERVICE BETWEEN JUNE 27, 1950, AND JANUARY 31, 1955?</p>		<p>Yes - Stop No DK O O O</p>	<p>Yes - Stop No DK O O O</p>		
<p>If "No" or "DK" in 27c ask: d. WAS ANY OF HIS SERVICE AFTER JANUARY 31, 1955?</p>		<p>Yes No DK O O O</p>	<p>Yes No DK O O O</p>		
<p>28. WHICH OF THESE INCOME GROUPS REPRESENTS YOUR TOTAL COMBINED FAMILY INCOME FOR THE PAST 12 MONTHS - THAT IS, YOURS, YOUR—S, ETC.? SHOW CARD 1. INCLUDE INCOME FROM ALL SOURCES SUCH AS WAGES, SALARIES, SOCIAL SECURITY OR RETIREMENT BENEFITS, HELP FROM RELATIVES, RENTS FROM PROPERTY, AND SO FORTH. Mark income group in each related person's column.</p>		<p>A B C D E F G H I J V O O O O O O O O O O O</p>	<p>A B C D E F G H I J V O O O O O O O O O O O</p>		
<p>FOOTNOTES</p> <p>*Transcribe codes for Item R (Respondent)</p> <p>0 - Self-entirely</p> <p>1 - Self-partly</p> <p>2 - Spouse</p> <p>3 - Mother</p> <p>4 - Father</p> <p>5 - Other female family member</p> <p>6 - Other male family member</p> <p>7 - Other</p>	<p>WASHINGTON USE</p>		<p>WASHINGTON USE</p>		
	Respondent	<p>O 1 2 3 4 5 6 7</p>		<p>O 1 2 3 4 5 6 7</p>	
	Age of respondent	<p>O 1 2 3 4 5 6 7 8 9 O 1 2 3 4 5 6 7 8 9</p>		<p>O 1 2 3 4 5 6 7 8 9 O 1 2 3 4 5 6 7 8 9</p>	
	Family relationship	<p>PI SI PF SF V O O 1 2 3 4 5 6 7 8 9 Head 1 Head 2+ Wife Child Ch. relative O O O O O O O</p>		<p>PI SI PF SF V O O 1 2 3 4 5 6 7 8 9 Head 1 Head 2+ Wife Child Ch. relative O O O O O O O</p>	
	Education of head	<p>Incl. 17 None V O 1 O O 1 2 3 4 5 6 7 8 9</p>		<p>Incl. 17 None V O 1 O O 1 2 3 4 5 6 7 8 9</p>	
	Industry	<p>O 1 2 3 4 5 6 7 8 9 O 1 2 3 4 5 6 7 8 9</p> <p>A B C D E F G H J K L M O O O O O O O O O O O</p>		<p>O 1 2 3 4 5 6 7 8 9 O 1 2 3 4 5 6 7 8 9</p> <p>A B C D E F G H J K L M O O O O O O O O O O O</p>	
	Occupation	<p>O 1 2 3 4 5 6 7 8 9 O 1 2 3 4 5 6 7 8 9 O 1 2 3 4 5 6 7 8 9</p> <p>N P Q R S T U V W X Y Z O O O O O O O O O O O</p>		<p>O 1 2 3 4 5 6 7 8 9 O 1 2 3 4 5 6 7 8 9 O 1 2 3 4 5 6 7 8 9</p> <p>N P Q R S T U V W X Y Z O O O O O O O O O O O</p>	
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<p>Card A</p> <p>A--1 Now I'm going to read a list of conditions--Please tell me if you, your , etc., have had any of these conditions DURING THE PAST 12 MONTHS?</p> <ol style="list-style-type: none"> 1. Asthma? 2. CHRONIC bronchitis? 3. REPEATED attacks of sinus trouble? 4. TROUBLE with varicose veins? 5. Hemorrhoids or piles? 6. Hay fever? 7. Tumor, cyst, or growth? 8. CHRONIC gallbladder or liver trouble? 9. Stomach ulcer? 10. Any other CHRONIC stomach trouble? 11. Kidney stones or CHRONIC kidney trouble? 	<p>A--2 Have you, your , etc., had any of these conditions DURING THE PAST 12 MONTHS?</p> <ol style="list-style-type: none"> 12. Thyroid trouble or goiter? 13. Any allergy? 14. CHRONIC nervous trouble? 15. CHRONIC skin trouble? 16. Palsy? 17. Paralysis of any kind? 18. REPEATED trouble with back or spine? 19. Cleft palate? 20. Any speech defect? 21. Hernia or rupture? 22. Prostate trouble? 	<p>Card D</p> <p>For: Workers and other persons except Housewives and Children</p> <ol style="list-style-type: none"> 1. Not able to work at all 2. Able to work but limited in amount of work or kind of work. 3. Able to work but limited in kind or amount of other activities. 4. Not limited in any of the above ways. 	<p>Card F</p> <p>For: Children from 6 through 16 years old</p> <ol style="list-style-type: none"> 1. Not able to go to school at all 2. Able to go to school but limited to certain types of schools or in school attendance. 3. Able to go to school but limited in other activities. 4. Not limited in any of the above ways. 	<p>Card H</p> <p>For: Mobility</p> <ol style="list-style-type: none"> 1. Must stay in bed all or most of the time. 2. Must stay in the house all or most of the time. 3. Need the help of another person in getting around inside or outside the house. 4. Need the help of some special aid, such as a cane or wheelchair, in getting around inside or outside the house. 5. Does not need the help of another person or a special aid but has trouble in getting around freely. 6. Not limited in any of the above ways.
<p>Card B</p> <p>B--1 Have you, your , etc., EVER had any of these conditions?</p> <ol style="list-style-type: none"> 1. Tuberculosis? 2. Emphysema? 3. Hardening of the arteries? 4. High blood pressure? 5. Cancer? 6. Heart trouble? 7. Stroke? 8. Rheumatic fever? 9. Arthritis or rheumatism? 10. Mental illness? 11. Diabetes? 12. Epilepsy? 	<p>B--2 Do you, your , etc., HAVE any of these conditions?</p> <ol style="list-style-type: none"> 1. Deafness or SERIOUS trouble hearing with one or both ears? 2. SERIOUS trouble seeing with one or both eyes even when wearing glasses? 3. Missing fingers, hand or arm -- toes, foot or leg? 4. Missing lung or kidney (or breast)? 5. Club foot? 6. PERMANENT stiffness or any deformity of foot, leg, fingers, arm or back? 	<p>Card E</p> <p>For: Housewife</p> <ol style="list-style-type: none"> 1. Not able to keep house at all. 2. Able to keep house but limited in amount or kind of housework. 3. Able to keep house but limited in kind or amount of other activities. 4. Not limited in any of the above ways. 	<p>Card G</p> <p>For: Children under 6 years old</p> <ol style="list-style-type: none"> 1. Not able to take part at all in ordinary play with other children. 2. Able to play with other children but limited in amount or kind of play. 4. Not limited in any of the above ways. 	<p>Card I</p> <p>Which of the following income groups represents your total combined family income for the past 12 months? Include income from all sources such as wages, salaries, social security or retirement benefits, help from relatives, rents from property, and so forth.</p> <p>Under \$500 Group A</p> <p>\$500-- \$999 Group B</p> <p>\$1,000-- \$1,999 Group C</p> <p>\$2,000-- \$2,999 Group D</p> <p>\$3,000-- \$3,999 Group E</p> <p>\$4,000-- \$4,999 Group F</p> <p>\$5,000-- \$6,999 Group G</p> <p>\$7,000-- \$9,999 Group H</p> <p>\$10,000--\$14,999 Group I</p> <p>\$15,000 and over Group J</p>

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