1972 Survey of Disabled and Nondisabled Adults: Chronic Disease, Injury, and Work Disability

The Social Security Administration 1972 Survey of Disabled and Nondisabled Adults showed that an estimated 156 million adults aged 20-64, or 15 percent of the total noninstitutionalized population of those ages, were disabled as a result of some chronic condition or impairment Yet more than three times as many persons (518 million) reported that they suffered from one or more chronic health conditions The diseases reported most frequently by the adult population of working age were cardiovascular and musculoskeletal disorders, each with prevalence rates of 200 persons per 1,000 population The prevalence rate for neurological disorders was only 7 persons per 1,000, their disabling potential, however, was much greater than that for the diseases with the highest prevalence rates 80 percent of those suffering from neurological disorders were also currently disabled For almost every disease group, older persons were more likely to suffer from a chronic condition or impairment and more likely to be disabled as a result Women were more likely than men to report a chronic disease or impairment and more likely to be severely disabled as a result White persons were somewhat more likely than blacks and members of other races to report one or more chronic conditions but less likely to be disabled as a result and even less likely to be severely disabled Among the nondisabled, less than one-tenth reported a condition caused by accident or injury but close to one-fourth of the disabled reported a disease or impairment of accidental origin

WORK DISABILITY reflects the interaction between an individual's functional limitations and the availability of suitable jobs in the economy This relationship depends on the applicant's personal characteristics, his attitudes and motivations, his job skills and experience, alternative sources of income, and a variety of similar fac-

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tors ¹ Nevertheless, an impairment or physical or mental limitation as a result of a chronic disease or injury always underlies any disability

In a sample survey of some 106 3 million adults in the civilian, noninstitutionalized population aged 20-64 in 1972, approximately 15 6 million reported that they were disabled, including 77 million who were severely disabled Yet, in the same survey, 51 8 million persons reported that they suffered from one or more chronic health conditions or impairments

This disparity raises some significant questions How is disease distributed in the population? Are age, race, sex, socioeconomic characteristics, etc., related to various kinds of chronic diseases? Are some kinds of chronic conditions more likely to result in work disability than others? Do demographic characteristics affect the likelihood that a specific condition will become disabling? The answers to these questions provide significant information for the planning and administration of income-maintenance and rehabilitation programs for the disabled

SOURCE AND LIMITATIONS OF DATA

Information about the presence of selected chronic diseases and impairments was obtained by household interview in the 1972 Survey of Disabled and Nondisabled Adults conducted by the Social Security Administration The population surveyed included both disabled and nondisabled adults aged 20-64 in the civilian noninstitutional population

Survey respondents were shown a list of 38 conditions and impairments always considered to be chronic They were asked to identify all of the listed conditions from which they suffered Persons who could not identify any of the conditions listed² were asked to name any from which

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¹ For a discussion of the conceptual classification used here, see S Z Nagi, "Some Conceptual Issues in Disability and Rehabilitation," in Sociology and Rehabilitation (M B Sussman, editor), American Sociological Association, 1965, pages 100–113, and Lawrence Haber, Identifying the Disabled Concepts and Methods in the Measurement of Disability (Social Security Survey of the Disabled 1966, Report No 1), Office of Research and Statistics, Social Security Administration, December 1967

^aThe list of conditions used in the survey and the rules for determining priorities are described in the technical note, page 17

they suffered and to describe them in their own words (As a practical matter, a maximum of five conditions was recorded and tabulated Where six or more conditions were reported, the five , most important were selected by using a predetermined set of priorities based on disease groups)

The diagnostic data in this report can measure only approximately the total, prevalence of chronic disease or impairment in the general population Chronic conditions are generally underreported in interview surveys. Respondents tend to report only those conditions they are aware of and that they are willing to report to an interviewer More complete reporting is likely for more serious conditions—those that have a more significant effect on the individual's health, require extensive or costly medical treatment, result in significant reduction in work capability, or significantly reduce the individual's economic status or that of his family.

Studies have shown that use of checklists of chronic conditions tends to produce more complete reporting for those listed Since such lists give respondents a choice of conditions, however, they are more likely to designate those that are less stigmatizing or more socially acceptable. They are also more likely to omit conditions not specified on the list. Under any circumstances, the accuracy of the diagnostic designations reported depends on the information received by the respondent from his physician or other medical source and on his memory ³

PREVALENCE OF CHRONIC DISEASE AND DISABILITY

In 1972, 15 6 million persons—about 1 in 6 of all noninstitutionalized adults aged 20-64—reported some degree of disability (work limitation) as a result of a chronic health condition or impairment lasting 3 months or longer 4 Yet the prevalence of the same chronic diseases in the population was much higher Thus, almost half of the total population surveyed reported that they were suffering from one or more chronic conditions or impairments The fact that, at any point in time, many, many more people suffer from chronic diseases than are disabled by them is also reflected by the figures for the nondisabled 40 percent of the nondisabled adults surveyed reported that they had one or more chronic conditions (table 1)

The prevalence of specific chronic diseases in the population and the relative frequency of disability associated with each of them varied widely. Among major disease groupings the highest prevalence rates (expressed as the number of persons with the condition per 1,000 persons in the noninstitutionalized population aged 20-64) involved cardiovascular diseases (200 per 1,000) and musculoskeletal disorders (196 per 1,000). The lowest rate was 7 persons per 1,000 for neurological disorders

'The pattern of condition-specific prevalence rates associated with current disability was essentially similar to that for the population in general Among the currently disabled, 89 persons per 1,000 suffered from a musculoskeletal condition The rate was 74 persons per 1,000 for cardiovascular disorders and fell to a low of 6 per 1,000 for neurological conditions

Although the distribution of disabling conditions probably reflects the pattern of disease or impairment in the general population, the extent to which they cause work limitation may differ It is instructive therefore to look at the proportion reporting specific conditions who also reported that they were disabled as a result More than 80 percent of survey respondents reporting some neurological disorder were also currently

	Prevalence r population	Disabled population	
Chronic condition group	Total population	Disabled population	of total population
Total	487 1	145 4	30
Musculoskeletal	195 9 199 7 103 1	88 9 73 8 38 8	45 37 38
Digestive Mental Neurological	83 4 45 9 7 4 22 9	82 6 29 5 6 0 10 5	39 64 81 40
Neoplasm	24 6 45 1	10 2 15 0	41 33

[•]Findings of National Center for Health Statistics studies on the completeness of survey reporting of chronic conditions are summarized in Geraldine Scott, Prevalence of Chronic Conditions of the Genitourinary, Nervous, Endocrine, Metabolic and Blood and Blood Forming Sys tems and of Other Selected Chronic Conditions, United States, 1973 (Series 10, No 109, Vital and Health Statistics), National Center for Health Statistics, 1977

^{*}The detailed definition of disability in the survey and its categorization into severe, occupational, and secondary are described in the technical note, page 16

disabled The proportions for those with musculoskeletal or cardiovascular conditions—the two disease groups with the highest prevalence rates were much lower (45 percent and 37 percent, respectively) Prevalence rates for the total population and for the disabled as well as the proportion in each major condition group who were severely disabled are given in the tabulation in the preceding column

Severe Disability

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The prevalence of severe disability in the population as measured by disability rates per 1,000 noninstitutionalized population aged 20-64 varied significantly with type of disease There were 72 6 severely disabled persons for every 1,000 in the total adult population (table 1) Severe disability rates were highest for musculoskeletal and cardio-

TABLE 1 — Chronic conditions and impairments Number in adult population aged 20-64 and number per 1,000 population, by condition and disability status, 1972

	Total population		Currently	7 disabled	Severely disabled		Nondisabled	
Chronic condition	Number (in thou- sands)	Number per 1,009 popula- tion	Number (in thou sands)	Number per 1 000 popula tion	Number (in thou sands)	Number per 1,000 popula tion	Number (in thou sands)	Number per 1,000 popula tion
Total number reporting With condition With no condition	106,628 51 764 54 504	487 1 512 8	15,550 15,448 102	146 145 4 1 0	7,717 7,69 25	72 6 72 4 2	90,718 36 316 54 401	853 7 341 7 511 9
Musculoskeletal Arthritis or rheumatism Trouble with back or spine Other Missing legs/feet Missing legs/feet Missing legs/feet Missing arms/hands Chronic stiffness All other Cardiovascular Any heart trouble Rheumatic fever Heart attacks Heart trouble High blood pressure Stroke Other arterial/vascular Hardening of arteries Varicose veins Hemorthoids or piles Other arterial/vascular Chronic bronchitis Empinysema. Other chronic lung trouble Asthma Respiratory allergies Digestive Galibladder or liver trouble. Stomach ulcer Other Mental illness. Mental illness. Mental attratation Alcohol or drug problem Chronic nervous trouble Other Mental Epilepsy or seizures Multiple sclerosis Other Neoplasm Tumor, cyst, or growth Cancer Other Mental Forlows or skidney trouble Other Mental Diabetes Thyroid trouble or goiter Other Monrespiratory allergies Diabetes Thyroid trouble or goiter Other Monrespiratory allergies Data terardation Cancer Other Mental Mental Tumor, cyst, or growth Tumor, cyst, or growth Tumor, cyst, or growth Tumor, cyst, or growth Cancer Other Nonrespiratory allergies Dealness/hearing problem Other	$\begin{array}{c} 20\ 822\\ 11,547\\ 10\ 291\\ 3,718\\ 3,718\\ 104\\ 220\\ 3,155\\ 285\\ 21\ 222\\ 11,607\\ 674\\ 1,314\\ 3\ 324\\ 4,612\\ 7\ 951\\ 4,612\\ 7\ 951\\ 4,612\\ 7\ 951\\ 4,612\\ 7\ 951\\ 3\ 324\\ 673\\ 3\ 324\\ 673\\ 3\ 324\\ 673\\ 3\ 327\\ 1,969\\ 1,969\\ 1,148\\ 673\\ 3\ 3,78\\ 5\ 615\\ 8\ 868\\ 8,868\\ 1,382\\ 3\ 3,667\\ 2\ 371\\ 2\ 025\\ 2\ 025\\ 3\ 3,874\\ 5\ 04\\ 5\ 04\\ 2\ 92\\ 2\ 95\\ 3\ 8,874\\ 5\ 04\\ 2\ 92\\ 109\\ 12\ 2,237\\ 132\\ 4\ 8,877\\ 6\ 49\\ 92\\ 2\ 95\\ 3\ 8,874\\ 5\ 04\\ 12\ 5\ 04\ 12\ 5\ 04\\ 12\ 5\ 04\ 12\ 12\ 12\ 12\ 12\ 12\ 12\ 12\ 12\ 12$	$\begin{array}{c} 195 \ 9 \\ 108 \ 7 \\ 906 \ 8 \\ 35 \ 0 \\ 297 \ 7 \\ 297 \ 2 \\ 7 \\ 109 \ 2 \\ 6 \\ 12 \\ 4 \\ 31 \\ 31 \\ 31 \\ 8 \\ 7 \\ 4 \\ 4 \\ 4 \\ 6 \\ 43 \\ 4 \\ 4 \\ 6 \\ 43 \\ 10 \\ 8 \\ 6 \\ 43 \\ 10 \\ 9 \\ 6 \\ 43 \\ 4 \\ 10 \\ 8 \\ 6 \\ 3 \\ 52 \\ 8 \\ 3 \\ 10 \\ 1 \\ 2 \\ 2 \\ 8 \\ 3 \\ 10 \\ 1 \\ 2 \\ 2 \\ 1 \\ 2 \\ 4 \\ 5 \\ 1 \\ 2 \\ 1 \\ 2 \\ 4 \\ 5 \\ 1 \\ 2 \\ 1 \\ 2 \\ 4 \\ 5 \\ 1 \\ 1 \\ 2 \\ 1 \\ 2 \\ 1 \\ 2 \\ 1 \\ 2 \\ 1 \\ 2 \\ 1 \\ 2 \\ 1 \\ 1$	$\begin{array}{c} 9 & 452 \\ \delta & 123 \\ \delta & 123 \\ \delta & 123 \\ 82 \\ 53 & 82 \\ 82 \\ 7, 839 \\ 5, 546 \\ 89 \\ 99 \\ 3, 366 \\ 89 \\ 99 \\ 3, 366 \\ 1, 394 \\ 1, 622 \\ 633 \\ 4, 124 \\ 2, 244 \\ 2, 244 \\ 3, 366 \\ 1, 394 \\ 1, 622 \\ 100 \\ 3, 366 \\ 1, 394 \\ 1, 622 \\ 100 \\ 1, 364 \\ 1, 042 \\ 1, 044 \\ 1, 046$	$\begin{array}{c} 8892\\ 8822\\ 486\\ 21\\ 88\\ 21\\ 8\\ 85\\ 18\\ 12\\ 7\\ 7\\ 52\\ 29\\ 9\\ 21\\ 13\\ 13\\ 15\\ 5\\ 38\\ 9\\ 9\\ 7\\ 31\\ 6\\ 13\\ 13\\ 15\\ 5\\ 38\\ 9\\ 9\\ 7\\ 31\\ 6\\ 15\\ 12\\ 5\\ 13\\ 20\\ 5\\ 11\\ 6\\ 5\\ 8\\ 10\\ 5\\ 12\\ 29\\ 5\\ 12\\ 12\\ 12\\ 12\\ 12\\ 12\\ 12\\ 12\\ 12\\ 12$	$\begin{array}{c} & 4 & 690 \\ 2, 878 \\ 2, 21 \\ 1, 267 \\ 3, 43 \\ 1, 1, 267 \\ 43 \\ 1, 1, 267 \\ 3, 470 \\ 4, 532 \\ 3, 470 \\ 1, 504 \\ 4, 654 \\ 1, 504 \\ 2, 071 \\ 3, 470 \\ 2, 071 \\ 3, 440 \\ 2, 071 \\ 3, 440 \\ 2, 071 \\ 3, 440 \\ 2, 071 \\ 3, 440 \\ 2, 071 \\ 3, 440 \\ 2, 071 \\ 3, 440 \\ 2, 071 \\ 3, 440 \\ 2, 071 \\ 3, 440 \\ 2, 071 \\ 3, 440 \\ 2, 071 \\ 3, 440 \\ 2, 071 \\ 3, 400 \\ 2, 237 \\ 1, 500 \\ 2, 237 \\ 2, 237 \\ 1, 500 \\ 2, 237 \\ 1, 500 \\ 2, 237 \\ 1, 500 \\ 2, 237 \\ 1, 500 \\ 2, 237 \\ 1, 500 \\ 2, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,$	$\begin{array}{c} 44 \\ 11 \\ 20 \\ 8 \\ 11 \\ 20 \\ 8 \\ 11 \\ 20 \\ 8 \\ 11 \\ 20 \\ 8 \\ 11 \\ 20 \\ 8 \\ 11 \\ 20 \\ 8 \\ 11 \\ 12 \\ 6 \\ 12 \\ 12 \\ 13 \\ 2 \\ 14 \\ 2 \\ 13 \\ 2 \\ 14 \\ 2 \\ 13 \\ 2 \\ 14 \\ 2 \\ 16 \\ 4 \\ 4 \\ 6 \\ 3 \\ 2 \\ 11 \\ 3 \\ 1 \\ 6 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1$	$\begin{array}{c} 11 \ 370 \\ 6, 424 \\ 6, 122 \\ 1, 405 \\ 222 \\ 165 \\ 222 \\ 165 \\ 33 \\ 383 \\ 6, 060 \\ 366 \\ 361 \\ 1, 080 \\ 4 \ 584 \\ 74 \\ 8 \ 200 \\ 4 \ 584 \\ 74 \\ 8 \ 201 \\ 1, 080 \\ 4 \ 584 \\ 74 \\ 8 \ 201 \\ 1, 080 \\ 4 \ 584 \\ 74 \\ 8 \ 201 \\ 1, 080 \\ 4 \ 584 \\ 74 \\ 1, 080 \\ 4 \ 584 \\ 74 \\ 1, 080 \\ 4 \ 584 \\ 74 \\ 1, 080 \\ 2 \ 087 \\ 4 \ 030 \\ 1, 377 \\ 1, 746 \\ 133 \\ 1, 552 \\ 1 \ 476 \\ 1, 347 \\ 1, 246 \\ 133 \\ 1, 316 \\ 1, 306 \\ 1, 300 \\ 1 \ 33 \\ 1, 552 \\ 1 \ 476 \\ 1, 346 \\ 1, 347 \\ 1, 246 \\ 133 \\ 1, 552 \\ 1 \ 476 \\ 1, 347 \\ 1, 246 \\ 134 \\ 100 \\ 1 \ 33 \\ 1, 552 \\ 2 \ 433 \\ 1, 316 \\ 1, 300 \\ 1 \ 33 \\ 1, 552 \\ 2 \ 524 \\ 3, 197 \\ 1, 190 \\ 2 \ 030 \\ 1 \ 3, 377 \\ 6, 519 \\ 1, 337 \\ 4, 337 \\ 1, 347 \\ 1, 347 \\ 1, 520 \\ 2 \ 030 \\ 1 \ 337 \\ 1, 346 \\ 1, 300 \\ 1 \ 33 \\ 1, 316 \\ 1, 300 \\ 1 \ 337 \\ 1, 347 \\ $	$\begin{array}{c} (1) \\ 107 \\ 0 \\ 6 \\ 48 \\ 2 \\ 13 \\ 2 \\ 16 \\ 6 \\ 125 \\ 9 \\ 102 \\ 43 \\ 10 \\ 2 \\ 43 \\ 10 \\ 2 \\ 43 \\ 10 \\ 2 \\ 43 \\ 10 \\ 2 \\ 43 \\ 10 \\ 2 \\ 43 \\ 10 \\ 2 \\ 43 \\ 10 \\ 2 \\ 43 \\ 10 \\ 2 \\ 43 \\ 10 \\ 2 \\ 43 \\ 10 \\ 2 \\ 43 \\ 10 \\ 2 \\ 43 \\ 10 \\ 2 \\ 43 \\ 10 \\ 2 \\ 43 \\ 10 \\ 2 \\ 43 \\ 10 \\ 2 \\ 43 \\ 10 \\ 2 \\ 43 \\ 10 \\ 2 \\ 43 \\ 10 \\ 2 \\ 43 \\ 10 \\ 2 \\ 64 \\ 37 \\ 7 \\ 50 \\ 9 \\ 22 \\ 64 \\ 37 \\ 7 \\ 50 \\ 9 \\ 22 \\ 64 \\ 37 \\ 7 \\ 50 \\ 9 \\ 22 \\ 64 \\ 31 \\ 11 \\ 10 \\ 12 \\ 12 \\ 11 \\ 11 \\ 11 \\ 1$

¹ Less than 0 5 per thousand

vascular disease, 44 1 per 1,000 and 42 6 per 1,000, respectively Again, the lowest rate was 6 0 per 1,000 for neurological disorders

It is evident that diseases with high prevalence rates in the general population also showed high severe disability rates. The variation in the rates among the various types of chronic disease was much higher, however, for total prevalence rates than for severe disability rates. The total prevalence rate for musculoskeletal disorders in the general population (195.9 per 1,000) was 28 times higher than the rate for neurological disorders (7.4 per 1,000). In contrast the severe disability rate for musculoskeletal disorders was only nine and one-half times higher than the rate for neurological disorders

Severe disability rates for specific diseases or impairments reflect both the prevalence of the condition in the general population and its disabling potential—that is, the extent to which the condition affects functional capacities Generally, disability rates will be higher for conditions that occur more frequently in the general population as well as for conditions with high disability potentials It is clear from these figures that some diseases are more likely to be associated with severe disability than others

The differential association between various chronic diseases or impairments and severe disability is shown rather clearly in table 2 More than 62 percent of the persons reporting a neurological disorder were severely disabled Among survey respondents with mental disorders, the proportion severely disabled was 46 percent In contrast, only about 20 percent of the persons with cardiovascular, respiratory, digestive, or endocrine disorders were classified as severely disabled

It must be noted that these figures do not measure in any precise way the likelihood or probability that a particular chronic disease or condition will produce disability Apart from the uncertainties produced by the reporting problems discussed earlier, the disabling propensity of various diseases will depend on such elements as the cause and natural history of the disease itself, the characteristics of those it affects, the efficacy of current medical practice in preventing or ameliorating any long-term impact on functional capacities, and the nature of the work environment and the labor market. Nevertheless, the data do show that the association between disability and various types of chronic disease is much higher than would be expected just on the basis of the frequency with which the same condition is present in the general population

DEMOGRAPHIC DIFFERENCES

Effect of Age

Age is an important factor in explaining not only the prevalence of chronic conditions and impairments in the population but also their disabling effects Most chronic conditions and impairments take years to develop They are the result of slow disease processes that depend on continued and sustained exposure to inimical physical environments, on long-term nutritional inadequacies, or on slow and gradual physiological changes in the body's response to infection and disease It is not surprising, therefore, that both the prevalence of chronic diseases in the population and the frequency of the associated disability increase substantially with age

The prevalence of chronic conditions in the adult population increased markedly with age by two-thirds from a rate of 399 0 per 1,000 persons aged 20-44 to 662 8 per 1,000 persons aged 55-64 The prevalence of disability also rose with age, but the increase was much steeper, it went up about three and one-half times, from 84.7 per 1,000 persons aged 20-44 to 294 5 per 1,000 aged 55-64

A similar pattern existed for all types of chronic conditions and impairments individually According to table 3, however, both the frequency with which specific chronic conditions occurred in the adult population in general and the extent to which disability was associated with any specific condition varied substantially with age

Table 4 shows, for specific disease groups, the differences in total prevalence rates and in disability prevalence rates Obviously, prevalence rates increase with age regardless of the type of disease involved For any condition group examined, the rates for persons aged 55-64 were from one and one-half to three times higher than they were for persons under age 45 Furthermore, the increase in prevalence rate with age was evi-

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TABLE 2 — Chronic conditions and impairments Number and percentage distribution of adult population aged 20-64, by condition and disability status, 1972

		Percentage distribution, by disability status						
Chronic condition	Total number				Currently	disabled		
	(1n thousands)	ls) Total	Non- disabled	Total	Severe	Occupa- tional	Secondary work limitations	
Total reporting	106,268 51,764 54,504	100 0 100 0 100 0	85 4 70 2 99 8	14 6 29 8 2	7 3 14 9 (¹)	33 67 (¹)	, 41 83 ,1	
Musculoskeletal	$\begin{array}{c} 20,822\\ 11,547\\ 10,291\\ 3,718\\ 104\\ 220\\ 3,718\\ 104\\ 220\\ 3,718\\ 104\\ 220\\ 3,718\\ 105\\ 21222\\ 285\\ 21222\\ 211\\ 674\\ 1,314\\ 1,674\\ 1,314\\ 1,324\\ 7,951\\ 1,324\\ 7,951\\ 1,324\\ 1,021\\ 4,612\\ 6,782\\ 7,951\\ 1,969\\ 1,148\\ 6,782\\ 3,346\\ 5,615\\ 8,868\\ 1,382\\ 3,346\\ 5,615\\ 8,868\\ 1,382\\ 3,667\\ 2,371\\ 1,969\\ 1,148\\ 5,615\\ 8,868\\ 1,382\\ 2,376\\ 2,371\\ 2,201\\ 1,44\\ 2,615\\ 1,961\\ 1,738\\ 2,290\\ 3,874\\ 1,1738\\ 2,290\\ 1,44\\ 2,615\\ 1,961\\ 1,738\\ 2,297\\ 2,601\\ 1,708\\ 2,237\\ 2,601\\ 1,708\\ 2,237\\ 2,601\\ 1,708\\ 2,980\\ 1,343\\ 980\\ 1,343\\ 980\\ 1,343\\ 980\\ 1,343\\ 980\\ 1,343\\ 980\\ 1,343\\ 980\\ 1,156\\ 1,15$	$\begin{array}{c} 100 \ 0 \\$	$\begin{array}{c} 54 \ 6\\ 55 \ 6\\ 49 \ 8\\ 37 \ 8\\ 21 \ 5\\ 75 \ 1\\ 39 \ 2\\ 10 \ 63 \ 1\\ 52 \ 2\\ 54 \ 3\\ 27 \ 5\\ 10 \ 63 \ 1\\ 52 \ 5\\ 57 \ 7\\ 11 \ 37 \ 7\\ 69 \ 8\\ 76 \ 1\\ 8\\ 62 \ 4\\ 71 \ 1\\ 37 \ 7\\ 62 \ 4\\ 71 \ 1\\ 37 \ 7\\ 62 \ 4\\ 71 \ 1\\ 37 \ 7\\ 60 \ 9\\ 50 \ 2\\ 38 \ 1\\ 1 \ 8\\ 56 \ 8\\ 11 \ 6\\ 58 \ 5\\ 11 \ 3\\ 56 \ 8\\ 11 \ 8\\ 58 \ 5\\ 65 \ 0\\ 83 \ 2\\ 66 \ 9\\ 66 \ 9\\ 66 \ 9\\ 66 \ 9\\ 66 \ 6\\ 68 \ 2\\ 83 \ 2\\ 66 \ 6\\ 68 \ 5\\ 83 \ 2\\ 78 \ 6\\ 69 \ 6\\ 69 \ 6\\ 64 \ 2\\ 34 \ 7\\ 7\\ 69 \ 6\\ 69 \ 6\\ 64 \ 2\\ 34 \ 7\\ 7\\ 69 \ 6\\ 69 \ 6\\ 64 \ 2\\ 34 \ 7\\ 7\\ 69 \ 6\\ 69 \ 6\\ 64 \ 2\\ 34 \ 7\\ 7\\ 69 \ 6\\ 69 \ 6\\ 64 \ 2\\ 34 \ 7\\ 7\\ 69 \ 6\\ 69 \ 6\\ 64 \ 2\\ 34 \ 7\\ 7\\ 60 \ 9\\ 60 \ 9\\ 60 \ 9\\ 60 \ 9\\ 60 \ 9\\ 60 \ 9\\ 60 \ 9\\ 60 \ 9\\ 60 \ 9\\ 60 \ 9\\ 60 \ 9\\ 60 \ 9\\ 64 \ 2\\ 34 \ 7\\ 7\\ 7\\ 7\\ 7\\ 7\\ 7\\ 7\\ 7\\ 7\\ 7\\ 7\\ 7\\ $	$\begin{array}{c} 45 \ 4\\ 444 \ 4\\ 502\\ 602 \ 2\\ 78 \ 5\\ 609 \ 0\\ 36 \ 9\\ 47 \ 7\\ 72 \ 6\\ 67 \ 5\\ 42 \ 3\\ 84 \ 67 \ 7\\ 72 \ 6\\ 67 \ 5\\ 42 \ 3\\ 84 \ 2\\ 88 \ 9\\ 62 \ 2\\ 837 \ 6\\ 62 \ 9\\ 62 \ 9\\ 62 \ 9\\ 62 \ 9\\ 62 \ 9\\ 62 \ 9\\ 62 \ 9\\ 62 \ 9\\ 62 \ 9\\ 62 \ 9\\ 62 \ 8\\ 88 \ 4\\ 71 \ 8\\ 88 \ 6\\ 90 \ 4\\ 33 \ 4\\ 88 \ 4\\ 71 \ 8\\ 88 \ 6\\ 90 \ 4\\ 33 \ 4\\ 88 \ 4\\ 71 \ 8\\ 88 \ 6\\ 7\\ 88 \ 7\\ 88 \ 7\\ 88 \ 7\\ 88 \ 8\\ 88 \ 4\\ 71 \ 8\\ 88 \ 6\\ 80 \ 9\\ 88 \ 7\\ 88 \ 7\\ 88 \ 8\\ 8\\ 88 \ 4\\ 88 \ 4\\ 88 \ 6\\ 7\\ 88 \ 7\\ 88 \ 7\\ 88 \ 8\\ 8\\ 8\\ 8\\ 8\\ 8\\ 8\\ 8\\ 8\\ 8\\ 8\\ 8\\ 8\\ $	$\begin{array}{c} 22 \ 5 \\ 24 \ 9 \\ 34 \ 1 \\ 1 \\ 33 \ 7 \\ 2 \\ 24 \ 9 \\ 34 \ 1 \\ 1 \\ 33 \ 5 \\ 21 \ 4 \\ 9 \\ 9 \\ 9 \\ 4 \\ 9 \\ 7 \\ 26 \\ 1 \\ 1 \\ 1 \\ 1 \\ 4 \\ 1 \\ 2 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1$	$\begin{array}{c} 10 \ 9 \\ 9 \ 8 \\ 12 \ 9 \\ 15 \ 6 \\ 15 \ 2 \\ 15 \ 6 \\ 15 \ 6 \\ 15 \ 6 \\ 15 \ 6 \\ 15 \ 6 \\ 12 \ 5 \\ 13 \ 6 \\ 20 \ 12 \ 5 \\ 13 \ 5 \\ 11 \ 5 \\ 15 \ 2 \\ 11 \ 5 \\ 15 \ 2 \\ 11 \ 5 \\ 15 \ 2 \\ 11 \ 5 \\ 15 \ 2 \\ 11 \ 5 \\ 15 \ 2 \\ 11 \ 5 \\ 15 \ 2 \\ 11 \ 5 \\ 15 \ 2 \\ 11 \ 5 \\ 15 \ 2 \\ 11 \ 5 \\ 15 \ 2 \\ 11 \ 5 \\ 15 \ 2 \\ 11 \ 5 \\ 15 \ 2 \\ 11 \ 5 \\ 15 \ 2 \\ 11 \ 5 \\ 15 \ 2 \\ 15 \ 2 \\ 15 \ 2 \\ 11 \ 5 \\ 15 \ 2 \ 2 \\ 15 \ 2 \ 2 \ 2 \\ 15 \ 2 \ 2 \ 2 \ 2 \ 2 \ 2 \ 2 \ 2 \ 2 \ $	$\begin{array}{c} 11 9 \\ 9 7 \\ 15 9 \\ 12 6 \\ 21 7 \\ 3 \\ 21 7 \\ 3 \\ 4 \\ 10 3 \\ 7 \\ 9 \\ 10 3 \\ 7 \\ 4 \\ 7 \\ 4 \\ 10 3 \\ 7 \\ 4 \\ 6 \\ 9 \\ 6 \\ 28 5 \\ 10 0 \\ 14 \\ 7 \\ 4 \\ 8 \\ 7 \\ 8 \\ 3 \\ 9 \\ 6 \\ 6 \\ 28 5 \\ 10 0 \\ 14 \\ 12 \\ 8 \\ 13 \\ 4 \\ 6 \\ 9 \\ 9 \\ 9 \\ 0 \\ 18 \\ 1 \\ 1 \\ 3 \\ 9 \\ 6 \\ 6 \\ 1 \\ 1 \\ 7 \\ 6 \\ 6 \\ 5 \\ 7 \\ 7 \\ 6 \\ 4 \\ 8 \\ 2 \\ 1 \\ 1 \\ 7 \\ 6 \\ 4 \\ 6 \\ 2 \\ 4 \\ 6 \\ 2 \\ 4 \\ 6 \\ 2 \\ 4 \\ 6 \\ 2 \\ 4 \\ 6 \\ 2 \\ 4 \\ 6 \\ 2 \\ 4 \\ 6 \\ 2 \\ 4 \\ 6 \\ 2 \\ 4 \\ 6 \\ 2 \\ 4 \\ 6 \\ 2 \\ 4 \\ 6 \\ 2 \\ 4 \\ 6 \\ 2 \\ 4 \\ 6 \\ 2 \\ 4 \\ 6 \\ 2 \\ 4 \\ 6 \\ 2 \\ 4 \\ 6 \\ 2 \\ 2 \\ 4 \\ 6 \\ 2 \\ 4 \\ 6 \\ 2 \\ 2 \\ 2 \\ 4 \\ 6 \\ 2 \\ 2 \\ 2 \\ 4 \\ 6 \\ 2 \\ 2 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1$	

¹ Less than 0.05 percent

dent for conditions with relatively low rates as well as for those with relatively high rates in the population in general

Musculoskeletal and cardiovascular diseases, for example, had the highest prevalence rates in the population regardless of age, and they occurred with about the same frequency in each of the three age groups examined For both these disease groups, prevalence rates rose from about 124-130 per 1,000 persons under age 45 to 349-358 per 1,000 persons aged 55-64---or almost three times For neurological diseases---the group least frequent in the population, the prevalence rate among those aged 55-64 was about one and onehalf times higher than for those under age 45----102 per 1,000 and 63 per 1,000, respectively The result was that the relative importance of specific chronic condition groups, as ranked by prevalence

TABLE 3 —Chronic conditions and impairments Number in adult population aged 20-64 and number per 1,000 population, by condition, age group, and disability status, 1972

1	Age group								
Chronic condition	τo	tal populati	on	Cu	rently disab	led	Sev	verely disable	d
- t	1 ler 45	45-54	55-64	Under 45	45-54	55-64	Under 45	45-54	5564
<u></u>	<u>`</u>	,		Total nu	mber (in tho	usands)			
Total reporting	63,680 25 407 8 273	23 606 , 13 776 ; 9 830	18,982 12,581 6 401	5 392 5,330 63	4,566 4,530 36	5 591 5 588 4	2 018 2,001 16	2,089 2,083 6	3,610 3,608 2
Musculoskeletal	$\begin{array}{c} 7 & 877 \\ 2, 486 \\ 4, 901 \\ 1, 518 \\ 8, 253 \\ 3, 113 \\ 152 \\ 8, 253 \\ 2, 100 \\ 2, 100 \\ 2, 100 \\ 2, 5, 551 \\ 116 \\ 5, 425 \\ 706 \\ 1, 5, 551 \\ 116 \\ 5, 425 \\ 706 \\ 1, 816 \\ 3, 399 \\ 3, 948 \\ 3, 399 \\ 3, 948 \\ 1, 780 \\ 1, 178 \\ 1, 816 \\ 3, 399 \\ 1, 173 \\ 1, 816 \\ 3, 399 \\ 1, 173 \\ 1, 816 \\ 3, 399 \\ 1, 173 \\ 1, 1, 173 \\ 1, 1, 173 \\ 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, $	$\begin{array}{c} 6,158\\ 3,992\\ 2,550\\ 1,017\\ 6,342\\ 3,798\\ 418\\ 9,798\\ 2,718\\ 2,718\\ 2,718\\ 2,718\\ 2,718\\ 2,718\\ 2,718\\ 2,77\\ 2,414\\ 413\\ 2,77\\ 7,2 \\ 414\\ 413\\ 2,77\\ 7,2 \\ 414\\ 413\\ 2,77\\ 7,2 \\ 414\\ 413\\ 2,77\\ 7,2 \\ 414\\ 413\\ 2,77\\ 7,2 \\ 1,429\\ 7,51\\ 2,687\\ 7,51\\ 2,52\\ 2,5$		$\begin{array}{c} 2,856\\ 763\\ 763\\ 783\\ 1,760\\ 103\\ 409\\ 432\\ 677\\ 276\\ 832\\ 48\\ 261\\ 611\\ 63\\ 435\\ 646\\ 1,113\\ 406\\ 443\\ 190\\ 1,083\\ 442\\ 273\\ 385\\ 195\\ 192\\ 1,249\\ 192\\ 1,249\\ 255\\ 245\\ \end{array}$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{c} 3 \ 704 \\ 2 \ 691 \\ 1, 400 \\ 882 \\ 8 \ 641 \\ 2, 756 \\ 549 \\ 1, 135 \\ 1, 623 \\ 1, 254 \\ 1, 441 \\ 448 \\ 1, 843 \\ 519 \\ 503 \\ 435 \\ 535 \\ 535 \\ 1, 389 \\ 491 \\ 329 \\ 372 \\ 1, 179 \\ 164 \\ 450 \\ 448 \\ 723 \\ 518 \\ 222 \\ 1, 154 \\ 448 \\ 723 \\ 518 \\ 301 \\ 338 \\ 410 \\ 179 \end{array}$	$\begin{array}{c} 1 \\ 024 \\ 361 \\ 589 \\ 337 \\ 753 \\ 753 \\ 753 \\ 237 \\ 244 \\ 249 \\ 209 \\ 501 \\ 154 \\ 164 \\ 255 \\ 205 \\ 200 \\ 599 \\ 736 \\ 223 \\ 196 \\ 112 \\ 162 \\ 223 \\ 196 \\ 112 \\ 162 \\ 733 \\ 88 \\ 465 \\ 167 \\ 63 \\ -63 \\ 102 \\ 94 \end{array}$	$\begin{array}{c} 1,238\\ 767\\ 593\\ 315\\ 1805\\ 1003\\ 182\\ 403\\ 639\\ 102\\ 523\\ 633\\ 644\\ 702\\ 168\\ 75\\ 179\\ 209\\ 409\\ 181\\ 164\\ 722\\ 641\\ 135\\ 122\\ 252\\ 294\\ 214\\ 84\\ 389\\ 9122\\ 76\\ 131\\ 76\end{array}$	$\begin{array}{c} 2 \ 428\\ 1 \ 749\\ 840\\ 614\\ 2 \ 474\\ 1, 929\\ 388\\ 841\\ 1, 125\\ 218\\ 956\\ 367\\ 1, 169\\ 361\\ 331\\ 256\\ 229\\ 922\\ 333\\ 237\\ 196\\ 855\\ 246\\ 106\\ 782\\ 300\\ 511\\ 302\\ 855\\ 120\\ 306\\ 306\\ 151\\ 302\\ 300\\ 313\\ 136\\ 136\\ 136\\ 136\\ 136\\ 136\\ 136$
			<u></u>	Number	per 1,000 poj	ulation			
Total reporting	399 0 t01 0	583 6 416 4	662 8 337 2	84 7 83 7 1 0	193 4 192 2 1 5	294 J 294 4 2	31 7 31 4 2	88 5 88 2 2	190 1 190 1
Musculoskeletal Arthritis or rheumatism Trouble with back or spine. Other. Cardiovascular Any heart trouble Heart attacks Heart trouble Heart attacks Heart trouble Other arterial/vascular Hardening of arteries Respiratory allergies Chronic bronchitis Emphysema Asthma Respiratory allergies Stomach ulcer Other chronic stomach trouble Hernic or rupture Mental Neurological Urogenital Neoplasm Endocrine Diabetes Thyroid trouble Other. Nonrespiratory allergies. Deafness/hearing problem Visual impairment Other specified.	$\begin{array}{c} 123 \ 7 \\ 89 \ 0 \\ 77 \ 0 \\ 23 \ 8 \\ 129 \ 6 \\ 48 \ 9 \\ 24 \ 4 \\ 13 \ 2 \\ 33 \ 0 \\ 87 \ 2 \\ 13 \ 2 \\ 33 \ 0 \\ 87 \ 2 \\ 13 \ 2 \\ 33 \ 0 \\ 87 \ 2 \\ 13 \ 2 \\ 33 \ 0 \\ 28 \ 0 \\ 28 \ 0 \\ 28 \ 0 \\ 28 \ 0 \\ 28 \ 0 \\ 11 \ 1 \\ 2 \ 7 \\ 28 \ 5 \\ 33 \ 4 \\ 62 \ 0 \\ 10 \ 2 \\ 33 \ 2 \\ 6 \ 3 \\ 19 \ 0 \\ 10 \ 17 \ 7 \\ 29 \ 3 \\ 9 \ 0 \ 4 \\ 103 \ 1 \\ 81 \ 1 \ 1 \\ 81 \ 1 \ 1 \\ 81 \ 1 \ 1 \\ 81 \ 1 \ 1 \ 1 \\ 81 \ 1 \ 1 \ 1 \ 1 \ 1 \ 1 \ 1 \ 1 \ 1 $	$\begin{array}{c} 260 \ 9 \\ 169 \ 1 \\ 108 \ 0 \\ 43 \ 1 \\ 268 \ 7 \\ 160 \ 9 \\ 17 \ 7 \\ 41 \ 0 \\ 135 \ 1 \\ 6 \ 3 \\ 135 \ 5 \\ 10 \ 9 \\ 102 \ 4 \\ 135 \ 10 \\ 7 \\ 5 \\ 11 \ 7 \\ 5 \\ 11 \ 7 \\ 5 \\ 11 \ 7 \\ 5 \\ 11 \ 7 \\ 5 \\ 11 \ 7 \\ 26 \ 8 \\ 48 \ 4 \\ 106 \ 8 \\ 48 \ 4 \\ 106 \ 8 \\ 6 \\ 48 \ 4 \\ 106 \ 8 \\ 6 \\ 106 \ 8 \\ 29 \ 3 \\ 59 \ 2 \\ 8 \\ 29 \ 3 \\ 59 \ 2 \\ 8 \\ 24 \ 3 \\ 33 \ 8 \\ 64 \ 6 \\ 63 \\ 0 \\ 31 \ 8 \\ 61 \ 0 \\ 29 \ 7 \\ 14 \ 7 \\ 21 \ 10 \ 7 \\ 14 \ 7 \\ 21 \ 10 \ 7 \\ 14 \ 7 \\ 21 \ 10 \ 7 \\ 14 \ 7 \\ 10 \ 7 \\ 14 \ 7 \\ 10 \ 7 \\ 14 \ 7 \\ 10 \ 7 \\ 14 \ 7 \\ 10 \ 7 \\ 14 \ 7 \\ 10 \ 7 \\ 14 \ 7 \\ 10 \ 7 \ 10 \ 7 \\ 10 \ 7 \ 10 \ 7 \\ 10 \ 7 \ 10 \ 7 \\ 10 \ 7 \ 10 \ 7 \\ 10 \ 7 \ 10 \ 7 \ 10 \ 7 \ 10 \ 7 \ 10 \ 7 \ 10 \ 10$	$\begin{array}{c} 357 \ 5 \\ 267 \ 0 \\ 120 \ 1 \\ 62 \ 3 \\ 349 \ 1 \\ 247 \ 4 \\ 39 \ 2 \\ 79 \ 5 \\ 165 \ 0 \\ 151 \\ 147 \ 2 \\ 341 \\ 164 \ 3 \\ 448 \\ 37 \ 0 \\ 42 \ 4 \\ 5 \\ 29 \ 5 \\ 29 \ 5 \\ 29 \ 5 \\ 29 \ 5 \\ 29 \ 5 \\ 29 \ 5 \\ 29 \ 5 \\ 35 \ 9 \\ 711 \ 9 \\ 102 \ 341 \\ 1 \\ 36 \ 3 \\ 73 \ 8 \\ 466 \ 7 \\ 29 \ 0 \\ 5 \\ 29 \ 5 \\ 35 \ 8 \\ 37 \ 8 \\ 466 \ 7 \\ 29 \ 0 \\ 57 \ 3 \\ 38 \ 5 \\ 31 \ 0 \\ 9 \ 5 \\ \end{array}$	$\begin{array}{c} 448\\ 120\\ 296\\ 118\\ 276\\ 172\\ 168\\ 106\\ 172\\ 188\\ 106\\ 106\\ 131\\ 189\\ 100\\ 411\\ 100\\ 688\\ 1001\\ 170\\ 80\\ 1011\\ 175\\ 168\\ 69\\ 43\\ 600\\ 310\\ 190\\ 0\\ 79\\ 330\\ 190\\ 37\\ 388\\ \end{array}$	$\begin{array}{c} 122 \ 5 \\ 70 \ 7 \\ 63 \ 0 \\ 28 \ 8 \\ 103 \ 3 \\ 71 \ 8 \\ 12 \ 8 \\ 28 \ 6 \\ 45 \ 1 \\ 4 \ 7 \\ 45 \ 5 \\ 11 \ 1 \\ 4 \ 7 \\ 45 \ 5 \\ 18 \ 2 \\ 40 \ 7 \\ 2 \\ 9 \ 5 \\ 15 \ 5 \\ 16 \ 2 \\ 20 \ 6 \\ 14 \ 3 \\ 10 \ 7 \\ 2 \\ 9 \ 5 \\ 15 \ 5 \\ 16 \ 0 \\ 16 \ 0 \\ 16 \ 0 \\ 16 \ 0 \\ 9 \ 1 \\ 9 \ 9 \\ 7 \ 2 \\ \end{array}$	$\begin{array}{c} 195 \ 1 \\ 141 \ 8 \\ 73 \ 8 \\ 465 \ 5 \\ 191 \ 8 \\ 145 \ 2 \\ 28 \ 9 \\ 59 \ 8 \\ 85 \ 5 \\ 13 \ 4 \\ 75 \ 9 \\ 23 \ 6 \\ 97 \ 1 \\ 27 \ 3 \\ 22 \ 9 \\ 22 \ 9 \\ 22 \ 2 \\ 22 \ 9 \\ 22 \ 2 \\ 22 \ 9 \\ 22 \ 2 \\ 22 \ 9 \\ 22 \ 3 \\ 22 \ 9 \\ 22 \ 3 \\ 22 \ 9 \\ 17 \ 3 \\ 19 \ 6 \\ 59 \ 0 \\ 8 \ 6 \\ 23 \ 7 \\ 23 \ 7 \\ 38 \ 1 \\ 17 \ 3 \\ 38 \ 1 \\ 17 \ 7 \\ 600 \ 7 \\ 7 \\ 15 \ 9 \ 4 \\ 21 \ 6 \\ 9 \ 4 \end{array}$	$\begin{array}{c} 16 1 \\ 5 7 \\ 5 7 \\ 5 3 \\ 11 8 \\ 4 \\ 1 3 \\ 1 \\ 4 \\ 1 \\ 3 \\ 1 \\ 4 \\ 1 \\ 1 \\ 1 \\ 4 \\ 2 \\ 7 \\ 9 \\ 2 \\ 4 \\ 4 \\ 2 \\ 3 \\ 3 \\ 1 \\ 1 \\ 3 \\ 2 \\ 3 \\ 3 \\ 1 \\ 1 \\ 5 \\ 3 \\ 1 \\ 1 \\ 4 \\ 7 \\ 2 \\ 6 \\ 1 \\ 5 \\ 1 \\ 1$	$\begin{array}{c} 52 \ 4\\ 32 \ 5\\ 32 \ 5\\ 13 \ 3\\ 55 \ 3\\ 55 \ 5\\ 7 \ 7\\ 1 \ 27 \ 1\\ 27 \ 1\\ 22 \ 3 \ 6\\ 24 \ 2\\ 3 \ 6\\ 24 \ 2\\ 3 \ 6\\ 24 \ 2\\ 3 \ 6\\ 24 \ 2\\ 5 \ 2\\ 5 \ 2\\ 12 \ 5\\ 5 \ 2\\ 12 \ 5\\ 12 \ 5\\ 12 \ 5\\ 12 \ 5\\ 12 \ 5\\ 12 \ 5\\ 12 \ 5\\ 3 \ 2\\ 5 \ 2\\ 3 \ 2\\ 5 \ 2\\ 3 \ 2\\ 5 \ 2\\ 3 \ 2\\ 5 \ 2\\ 3 \ 2\\ 5 \ 2\\ 3 \ 2\\ 5 \ 2\\ 3 \ 2\\ 5 \ 2\ 2\\ 5 \ 2\ 2\\ 5 \ 2\ 2\\ 5 \ 2\ 2\ 2\ 2\ 2\ 2\ 2\ 2\ 2\ 2\ 2\ 2\ 2$	$\begin{array}{c} 127 & 6\\ 92 & 1\\ 92 & 1\\ 32 & 32\\ 32 & 130 & 101 & 6\\ 20 & 4& 3\\ 59 & 1& 1\\ 50 & 19 & 1\\ 50 & 19 & 1\\ 50 & 19 & 1\\ 50 & 19 & 1\\ 50 & 19 & 1\\ 101 & 4\\ 50 & 19 & 1\\ 101 & 4\\ 50 & 19 & 1\\ 101 & 4\\ 101 & 4\\ 101 & 4\\ 102 & 1\\ 101 & 4\\ 102 & 1\\ 101 & 4\\ 102 & 1\\ 101 & 1\\ $

	Prevalence rate per 1,000 population							Dissibled population as pursuant		
Chronic condition group	To	tal populatio	on	Disabled population			of total population			
	Under age 45	Aged 45-54	Aged 55-64	Under age 45	Aged 45-54	Aged 55-64	Under age 45	Aged 45-54	Aged 55-64	
Total	399 0	583 6	662 8	84 7	193 4	294 5	85	19 3	29 5	
Musculoskeletal Cardiovascular Respiratory Digestive Mental Neurological Urogenital Neoplasms Endocrine	123 7 129 6 85 2 62 0 33 2 6 3 19 0 17 7 29 3 97 8	$\begin{array}{c} 260 & 9\\ 268 & 7\\ 102 & 3\\ 106 & 8\\ 59 & 2\\ & 8 & 0\\ 24 & 3\\ 33 & 8\\ 64 & 6\\ 103 & 2\\ \end{array}$	$\begin{array}{c} 357 \ 5\\ 349 \ 1\\ 164 \ 3\\ 126 \ 3\\ 71 \ 9\\ 10 \ 2\\ 34 \ 1\\ 36 \ 3\\ 73 \ 8\\ 122 \ 5\end{array}$	44 8 27 6 19 0 17 5 17 0 4 8 6 9 4 3 6 0 15 8	122 5 103 3 45 5 40 7 39 4 7 2 9 5 15 5 20 6 33 3	195 1 196 8 97 1 73 2 59 0 8 6 23 7 23 6 38 1 51 4	$\begin{array}{c} 36 & 3 \\ 21 & 3 \\ 22 & 3 \\ 38 & 22 \\ 51 & 2 \\ 75 & 6 \\ 36 & 6 \\ 24 & 2 \\ 20 & 6 \\ 16 & 1 \end{array}$	+ 47 0 38 4 44 5 38 1 66 5 89 5 39 0 45 7 31 9 32 3	54 6 54 9 59 1 57 9 82 0 84 5 69 4 65 0 51 6 41 9	

TABLE 4 -- Prevalence rate (per 1,000 population) for total and disabled population aged 20-64, by age group and condition, 1972

but they were also much more likely to be disabled as a result Put another way, prevalence rates for various types of chronic conditions rose much more sharply with age among the disabled than was true in the general population This rise occurred for almost every chronic condition group examined

In table 4, for example, the prevalence rate of cardiovascular conditions among the disabled rose from 27.6 per 1,000 persons under age 45 to 191.8 per 1,000 persons aged 55-64—almost a sevenfold increase. This was the largest increase with age registered by any of the chronic condition groups studied. Endocrine diseases exhibited almost the same pattern, with disability prevalence rates moving from 6.0 per 1,000 for those under age 45 to 38.1 per 1,000 for those aged 55-64. In contrast, the disability rate for neurological diseases for persons aged 55-64 was less than twice as high as it was for persons under age 45---8.6 per 1,000 and 4.8 per 1,000, respectively

It is clear from these data that age-related changes in disability rates for various chronic conditions and impairments reflect not only increases in their prevalence but also in their disabling effects—that is, in the heightened likelihood of disability The strength of each of these factors varies from condition to condition

Some measure of the relative contribution of each of these factors for a given condition group can be obtained by computing the following proportion—

$$C_{p} = \frac{TPR_{55-64}}{TPR_{under \ 45}} \left/ \frac{DPR_{55-64}}{DPR_{under \ 45}} \right.$$

Where C_p equals the contribution of the increase in prevalence, TPR equals the total prevalence rate for the age group shown in the subscript and where DPR corresponds to the disability prevalence rate for the age group subscribed Then, C_D , the contribution of disabling effects per se, becomes $1 - C_p$ Obviously, the numerator and denominator themselves express the ratio of the prevalence rate of interest for the oldest age group to that for the youngest age group

With the data in table 4 used as an illustration, it is found that 66 percent of the age-related increase in the disability prevalence rate for musculoskeletal conditions was due to their increased prevalence Similarly, 90 percent of the rise in the disability rate for neurological impairments was also due to the increased prevalence of those conditions In contrast, about 66 percent of the disability rate for the near-aged with neoplastic diseases was due to the disabling effects of cancer The relative contribution of each of these two factors for each of the condition groups for which data are available is shown below

Chronic	Ratio of pre of those aged of those un	valence rate 55-64 to rate ider age 45	Percent of disability rate increase due to—		
condition group	Total population	Disabled population	Prevalence of condition	Disabling effects of chronic condition	
Total	1 66	3 48	38	62	
Musculoskeletal. Cardiovascular Respiratory _ Digestive _ Mental. Neurological. Urogenital Neoplasm Endocrine	2 89 2 69 1 93 2 04 2 17 1 62 1 79 2 05 2 52	4 35 6 94 5 11 4 18 3 47 1 79 3 43 5 49 6 35	66 39 38 49 63 91 52 32 40	34 61 62 51 37 9 48 68 68 60	

The increased sensitivity of persons aged 55 and over to the disabling effects of chronic dis-

ease are revealed even more drastically by similar figures for the severely disabled (table 5) Comparison of these figures with those in table 4 shows that the severe disability prevalence rate increased much more rapidly with age for every condition group studied than was true for both of the other rates examined For both cardiovascular and endocrine diseases, for example, the severe disability rate was 11 times higher for persons aged 55-64 than for those under age 45 Moreover, except for neurological diseases, at least three-fourths of the observed increase in the severe disability rate between the two age groups was due to the disabling effects of the chronic conditions involved rather than changes in condition prevalence by age

Sex Differences

Women represented somewhat more than half (53 percent) of the adult population aged 20-64 covered by the survey They also represented a somewhat greater proportion (55 percent) of the persons in the population who reported suffering from one or more chronic conditions or impairments

Table 6 shows that not only were women more likely to report a chronic disease or impairment but that the condition was more likely to be worklimiting and much more likely to result in a severe disability 51 percent of the women reported some chronic condition, compared with 46 percent of the men Similarly, 15 percent of the women, compared with 14 percent of the men, were currently disabled Furthermore, 8 percent of the women but only 6 percent of the men reported that they were severely disabled These differences produced the following prevalence rates (number per 1,000 population)

Population	Men	Women		
With chronic condition Disabled Severely disabled	: •		464 7 139 6 59 0	507 3 152 4 85 0

Generally, the types of chronic conditions most prevalent among men were also most likely to occur among women Nevertheless, some significant sex differences in the prevalence of specific TABLE 5—Prevalence rate (per 1,000 population) for severely disabled population aged 20-64 and ratio of rates, by age group and condition, 1972

	Severely disabled population							
Chronic condition group	Preval per popu	ence rate 1,000 lation	Ratio of preva lence rate of those	Percent of disability rate increase due to—				
	Under age 45	Aged 55-64	aged 55-64 to rate of those under age 45	Preva- lence of con dition	Dis abling effects of chronic condi- tion			
Total	31 7	190 2	6 0	17				
Musculoskeletal Cardiovascular. Respiratory Mental. Neurological Urogenital Neoplasm Endocrine Other	$ \begin{array}{r} 16 1 \\ 11 8 \\ 7 9 \\ 8 2 \\ 11 6 \\ 3 5 \\ 3 1 \\ 1 8 \\ 2 5 \\ 5 8 \\ \end{array} $	$\begin{array}{c} 127 & 9 \\ 130 & 3 \\ 61 & 6 \\ 48 & 6 \\ 45 & 0 \\ 6 & 6 \\ 17 & 1 \\ 16 & 2 \\ 27 & 0 \\ 33 & 9 \end{array}$	7911078593919559010858	13 9 13 17 26 53 18 11 9 17	' 87 91 87 83 74 47 82 89 91 83			

disease types were evident, both in the general population and among the disabled Table 7 shows these differences by major disease group

Cardiovascular diseases, mental disorders, urogenital conditions, neoplasms, and endocrine (metabolic) disorders were, obviously, much more prevalent among women The reverse is true only for digestive diseases Table 6 illuminates some of these differences The higher prevalence of cardiovascular disease among women was due almost totally to significantly more frequent occurrence of peripheral vascular disorders, such as varicose veins and high blood pressure Problems involving the heart itself were reported with almost equal frequency by both sexes The excess of urogenital and endocrine disease among women was due to disorders of the female reproductive system and to thyroid problems, respectively

Prevalence rates among the disabled for major condition groups followed the same sex pattern as they did in the general population The differences between men and women for individual condition groups, however, tended to narrow in most instances Cardiovascular disorders were much more prevalent among women than among men, but for both sexes about 37 percent with these conditions were disabled For endocrine disorders, this narrowing of the gap between the sexes—for the disabled, compared with the general population—is indicated by the fact that

TABLE 6 — Chronic conditions and impairments, by sex	Number in adult population aged 20-64 and number per 1,000 popula-
tion, by condition and disability status, 1972	

	Total population				Currently disabled				Severely disabled			
Chronie een dition	м	en	Women		Men		Women		Men		Women	
Chrome condition '	Number (in thou sands)	Number per 1,000 popula- tion	Number (in thou sands)	Number per 1,000 popula- tion	Number (in thou sands)	Number per 1,000 popula tion	Number (in thou sands)	Number per 1 000 popula- tion	Number (in thou- sands)	Number per 1 000 popula- tion	Number (in thou sands)	Number per 1,000 popula- tion
Total reporting . With condition	50,414 23 429 26,985	464 7 535 2	55,854 28 335 27,519	507 3 492 6	7 036 7,026 11	139 6 139 4 2	8 514 8,422 92	152 4 150 8 1 6	2 972 2,967 5	59 0 58 9 1	4,745 4,726 20	85 0 84 6 3
Musculoskeletal Arthritis or rheumatism Trouble with back or spine Other Cardiovascular Any heart trouble Heart attacks Heart trouble High blood pressure Stroke Other arterial/vascular Hardening of arteries Respiratory Chronic bronchitis Emphysema Asthma Respiratory allergies. Digestive Stomach ulcer Other chronic stomach trouble Hernia or rupture. Mental Neurological Urogenital Neopiasm Diabetes Thyroid trouble Other Other Diabetes Thyroid trouble Other Stomach ulcer Other Mental	$\begin{array}{c} 10 & 074 \\ 4 & 603 \\ 5 & 468 \\ 2 & 416 \\ 8 & 727 \\ 5 & 481 \\ 1 & 688 \\ 3 & 444 \\ 251 \\ 3 & 980 \\ 3 & 688 \\ 720 \\ 801 \\ 1 & 577 \\ 2 & 521 \\ 4 & 520 \\ 801 \\ 1 & 557 \\ 2 & 521 \\ 4 & 520 \\ 1 & 952 \\ 1 & 138 \\ 1 & 268 \\ 335 \\ 999 \\ 971 \\ 1 & 366 \\ 1 & 368 \\ 664 \\ 3 & 389 \\ \end{array}$	$\begin{array}{c} 199 \ 8 \\ 91 \ 3 \\ 108 \ 5 \\ 47 \ 9 \\ 173 \ 1 \\ 108 \ 7 \\ 19 \ 6 \\ 33 \ 1 \\ 68 \ 3 \\ 5 \ 0 \\ 79 \ 0 \\ 11 \ 3 \\ 99 \ 1 \\ 14 \ 3 \\ 15 \ 9 \\ 30 \ 9 \\ 15 \ 9 \\ 30 \ 9 \\ 20 \ 8 \\ 7 \\ 22 \ 6 \\ 25 \ 2 \\ 40 \ 25 \\ 25 \ 2 \\ 40 \ 25 \\ 25 \ 2 \\ 40 \ 25 \\ 27 \ 1 \\ 21 \ 7 \\ 52 \ 4 \\ 97 \ 7 \\ 52 \ 4 \\ 27 \ 5 \\ 27 \ 5 \\ 27 \ 7 \\ 7 \end{array}$	$\begin{array}{c} 10,748\\6,943\\4,823\\1&302\\12&496\\6,125\\327\\1&656\\4&507\\213\\7&563\\4&507\\213\\7&563\\4&517\\5,959\\1,249\\3,756\\3&094\\4&348\\1,775\\1&233\\7,56\\2,851\\4,502\\1,432\\2,851\\4,502\\1,644\\3&426\\5,779\\4,506\\6,799\\6,069\\6,799\\4,05\\\end{array}$	$\begin{array}{c} 192 \ 4 \\ 124 \ 3 \\ 86 \ 4 \\ 23 \ 3 \\ 223 \ 7 \\ 109 \ 7 \\ 59 \ 6 \\ 80 \ 7 \\ 38 \\ 135 \ 4 \\ 81 \\ 106 \ 7 \\ 22 \ 4 \\ 62 \\ 32 \ 0 \\ 55 \ 4 \\ 30 \ 7 \\ 22 \ 1 \\ 13 \ 5 \\ 51 \ 6 \\ 13 \\ 20 \ 6 \\ 81 \\ 220 \ 6 \\ 61 \ 3 \\ 20 \ 6 \\ 41 \ 8 \\ 121 \ 3 \\ 90 \ 6 \\ 12 \ 4 \\ 12 \ 1 \\ 2 \\ 7 \ 3 \\ \end{array}$	$\begin{array}{c} 4 & 363 \\ 2 & 063 \\ 2 & 526 \\ 1 & 342 \\ 3 & 280 \\ 2 & 478 \\ 668 \\ 1 & 133 \\ 1 & 204 \\ 260 \\ 1 & 221 \\ 337 \\ 1 & 894 \\ 524 \\ 559 \\ 689 \\ 689 \\ 689 \\ 689 \\ 1 & 594 \\ 637 \\ 468 \\ 1 & 299 \\ 367 \\ 299 \\ 367 \\ 1 & 249 \\ 299 \\ 367 \\ 1 & 299 \\ 367 \\ 1 & 441 \\ 438 \\ 416 \\ 404 \\ 438 \\ 416 \\ 260 \end{array}$	$\begin{array}{c} 86 \ 5 \\ 40 \ 9 \\ 50 \ 1 \\ 26 \ 6 \\ 65 \ 1 \\ 49 \ 22 \\ 9 \\ 4 \ 0 \\ 24 \ 2 \\ 6 \ 7 \\ 37 \ 6 \\ 7 \\ 37 \\ 6 \\ 7 \\ 10 \\ 4 \\ 11 \\ 1 \\ 13 \\ 7 \\ 31 \\ 6 \\ 9 \\ 2 \\ 5 \\ 9 \\ 3 \\ 25 \\ 9 \\ 3 \\ 25 \\ 9 \\ 3 \\ 25 \\ 9 \\ 3 \\ 25 \\ 9 \\ 3 \\ 25 \\ 9 \\ 3 \\ 25 \\ 9 \\ 3 \\ 25 \\ 9 \\ 3 \\ 28 \\ 5 \\ 8 \\ 3 \\ 5 \\ 2 \\ 5 \\ 9 \\ 3 \\ 5 \\ 2 \\ 5 \\ 8 \\ 3 \\ 5 \\ 2 \\ 5 \\ 5$	$\begin{array}{c} 5 & 089 \\ 3 & 040 \\ 2 & 643 \\ 971 \\ 4 & 559 \\ 3 & 068 \\ 285 \\ 1 & 111 \\ 2,163 \\ 180 \\ 2,119 \\ 298 \\ 2,231 \\ 654 \\ 192 \\ 700 \\ 920 \\ 1 & 870 \\ 920 \\ 1 & 870 \\ 892 \\ 700 \\ 598 \\ 562 \\ 311 \\ 1,840 \\ 337 \\ 749 \\ 703 \\ 1 & 030 \\ 552 \\ 506 \\ 1,890 \\ 778 \\ 308 \\ 464 \\ 340 \\ 340 \end{array}$	$\begin{array}{c} 91 1 \\ 54 8 \\ 47 3 \\ 17 4 \\ 81 6 \\ 54 9 \\ 5 1 \\ 19 9 \\ 88 7 \\ 3 4 \\ 37 9 \\ 5 3 \\ 39 9 \\ 5 3 \\ 39 9 \\ 5 3 \\ 39 9 \\ 5 3 \\ 31 7 \\ 2 4 \\ 12 5 \\ 10 7 \\ 10 1 \\ 5 6 \\ 32 9 \\ 6 0 \\ 13 4 \\ 12 6 \\ 18 4 \\ 9 9 \\ 9 1 \\ 33 8 \\ 13 9 \\ 5 5 \\ 8 3 \\ 6 1 \end{array}$	$\begin{array}{c} 1,818\\ 1&052\\ 859\\ 647\\ 1&779\\ 0&419\\ 698\\ 692\\ 173\\ 273\\ 233\\ 889\\ 240\\ 272\\ 211\\ 216\\ 780\\ 328\\ 230\\ 188\\ 834\\ 207\\ 201\\ 208\\ 288\\ 188\\ 834\\ 207\\ 201\\ 208\\ 188\\ 188\\ 188\\ 188\\ 188\\ 188\\ 188\\ 1$	$\begin{array}{c} 36 \ 1 \\ 20 \ 9 \\ 17 \ 0 \\ 35 \ 3 \\ 28 \ 3 \\ 35 \ 3 \\ 28 \ 3 \\ 13 \ 8 \\ 13 \ 7 \\ 3 \ 4 \\ 11 \\ 17 \ 6 \\ 4 \ 6 \\ 17 \ 6 \\ 4 \ 3 \\ 15 \ 5 \\ 6 \ 5 \\ 4 \ 6 \\ 3 \ 7 \\ 16 \ 5 \\ 4 \ 1 \\ 5 \ 9 \\ 5 \\ 12 \ 5 \\ 2 \ 2 \\ 3 \ 9 \\ 4 \ 6 \\ 2 \ 7 \end{array}$	$\begin{array}{c} 2 & 872 \\ 2 & 872 \\ 1 & 826 \\ 1 & 354 \\ 620 \\ 2 & 753 \\ 806 \\ 2 & 355 \\ 806 \\ 1 & 379 \\ 171 \\ 1 & 174 \\ 230 \\ 1 & 174 \\ 230 \\ 1 & 173 \\ 163 \\ 410 \\ 371 \\ 480 \\ 1163 \\ 410 \\ 371 \\ 141 \\ 11397 \\ 278 \\ 441 \\ 469 \\ 669 \\ 383 \\ 383 \\ 299 \\ 978 \\ 337 \\ 185 \\ 393 \\ 377 \\ 185 \\ 393 \\ 371 \\ 185 \\ 393 \\ 377 \\ 185 \\ 393 \\ 377 \\ 185 \\ 393 \\ 377 \\ 185 \\ 393 \\ 377 \\ 185 \\ 393 \\ 377 \\ 185 \\ 393 \\ 377 \\ 185 \\ 393 \\ 377 \\ 185 \\ 393 \\ 377 \\ 17$	$\begin{array}{c} & & & \\ & & & & \\ & & & \\ & & & & \\ & & & \\ & & & & \\ & & & & \\ & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & & \\$

41 percent of the men with such conditions but only 30 percent of the women were disabled

Race Differences

Blacks and members of other minority races were somewhat less likely than white persons to report one or more chronic diseases and impairments, but they were almost one and one-half times more likely to be disabled as a result and even more likely (by more than one and one-half times) even more likely more than one and one-half times to be severely disabled (table 8) Thus, 47 percent of the blacks and members of other minority races reported a chronic condition or impairment, compared with 49 percent of whites; nevertheless, 19 percent of those in minority races but only 14 percent of the white respondents considered themselves currently disabled The corresponding proportions for those who were severely disabled were 11 percent and 7 percent, respectively. These differences are also reflected in the following prevalence rates per 1,000 population, by race

Population	White	Black and other races	
With chronic condition	489 3	469 8	
Disabled	140 5	193 9	
Severely disabled	67 7	112 3	

The differences in reported disability are surprising, given the strong association between age and the prevalence of disability and the fact that blacks and members of other minority races tend to be younger than whites Earlier analysis of the 1972 survey data reported that 7 percent of persons aged 20-34 were disabled and 29 percent of those aged 55-64 ⁵ Other data from the survey show that the median age of whites was 405 years, compared with 37 8 for blacks and members

⁵See Kathryn H Allan, "First Findings of the 1972 Survey of the Disabled General Characteristics," Social Security Bulletin, October 1976.

 TABLE 7 — Prevalence rate (per 1,000 population) for total and disabled population aged 20-64, by sex and condition, 1972

4	,	Prevalenc 1,000 poj	Disabled				
Chronic condition group	T. popu	otal Ilation	Dis popu	abled llation	as percent of total population		
F	Men Wome		Men Women		Men	Women	
Musculoskeletal Cardiovascular Respiratory Mental Neurological Urogenital Neoplasm Endocrine Other	199 8 173 1 99 1 89 7 40 2 6 6 19 8 19 3 27 1 90 1	192 4 223 7 106 7 77 8 51 0 8 1 25 6 29 4 61 3 114 1	86 5 65 1 37 6 31 6 25 6 5 9 7 3 7 6 11 2 23 4	91 1 81 6 39 9 33 5 32 9 6 0 13 4 12 6 18 4 27 8	43 3 37 6 37 9 35 3 63 7 89 3 36 7 39 4 41 3 26 0	47 3 36 5 37 4 43 0 64 5 74 9 52 3 42 8 30 1 24 3	

of other minority races Similarly, 18 percent of the former were aged 55-64, compared with 14 percent of the latter

Even more variation, reflecting the differing susceptibility of the races to specific chronic conditions, is apparent when the data are examined in detail According to table 9, adult blacks and members of other minority races were much more likely than whites to suffer from cardiovascular diseases, mental disorders, neurological illnesses, and urogenital conditions For each type of condition cited, the prevalence rates for the former exceeded those for the latter by 20 percent or more In fact, for mental illnesses and for urogenital disorders, the prevalence rates were 63 percent and 96 percent higher, respectively, for blacks and members of other minority races

The converse was true for respiratory conditions, digestive diseases, and neoplasms—all conditions for which the prevalence rates for whites were higher than those for blacks and members of other minority races For the first two conditions, prevalence rates for whites were 16 percent higher For neoplasms, however, the rate for whites (26 3 per 1,000) was more than double that for blacks and those of other minority races (11.1 per 1,000).

TABLE 8 — Chronic conditions and impairments, by race Number in adult population aged 20-64 and number per 1,000 population, by condition and disability status, 1972

	Total population			Currently disabled				Severely disabled				
Chronic condition	w	nite	Blac other	k and races	W	hite	Black other	races	W)	nite	Black other	and races
	Number (in thou sands)	Number per 1 000 popula- tion	Number (in thou- sands)	Number per 1 000 popula- tion	Number (in thou sands)	Number per 1,000 popula tion	Number (in thou sands)	Number per 1,000 popula tion	Number (in thou sands)	Number per 1,000 popula tion	Number (in thou- sands)	Number per 1,000 popula- tion
Total reporting. With condition With no condition	94,420 46,198 48,221	489 3 510 7	11 848 5 566 6,282	469 8 530 2	13,253 13,198 55	140 5 139 8 5	2 297 2,249 48	193 9 189 8 4 0	6,387 6,369 18	67 7 67 5 2	1 330 1,324 6	112 2 111 7
Musculoskeletäl Arthritis or rheumatism Trouble with back or spine Other. Cardiovascular Any heart trouble. Heart attacks. Heart trouble. High blood pressure Stroke Other arterial/vascular Hardening of arteries. Respiratory Chronic bronchitis. Emphysema Asthma Respiratory allergies. Digestive	18,589 10 168 8 863 3,161 18,478 9 556 1,201 2,783 6,311 2,783 6,311 2,783 6,311 2,783 9,44 9,901 1,814 1,2916 5,190 8,005 8,005 8,317	$\begin{array}{c} 196 & 9 \\ 107 & 7 \\ 9 & 93 \\ 5 \\ 195 & 83 \\ 5 \\ 195 & 82 \\ 101 & 2 \\ 12 & 7 \\ 29 & 3 \\ 66 & 9 \\ 3 & 66 \\ 9 \\ 111 & 9 \\ 100 & 9 \\ 104 & 9 \\ 19 & 2 \\ 119 & 2 \\ 119 & 2 \\ 100 & 84 \\ 85 & 1 \\ 85 & 1 \\ \end{array}$	$\begin{array}{c} 2 \ 233 \\ 1 \ 378 \\ 865 \\ 557 \\ 2 \ 744 \\ 2 \ 050 \\ 113 \\ 540 \\ 1 \ 639 \\ 124 \\ 975 \\ 77 \\ 1 \ 065 \\ 27 \\ 71 \\ 0.05 \\ 863 \\ 350 \end{array}$	$\begin{array}{c} 188 \ 5\\ 116 \ 3\\ 73 \ 0\\ 47 \ 0\\ 231 \ 6\\ 173 \ 0\\ 9 \ 5\\ 45 \ 6\\ 138 \ 3\\ 10 \ 5\\ 82 \ 3\\ 6 \ 5\\ 89 \ 0\\ 131 \ 1\\ 2 \ 3\\ 36 \ 3\\ 36 \ 3\\ 35 \ 9\\ 72 \ 8\\ 29 \ 5\\ \end{array}$	$\begin{array}{c} 8 \ 113 \\ 4 \ 354 \\ 4 \ 166 \\ 1 \ 913 \\ 6 \ 610 \\ 4 \ 523 \\ 883 \\ 1 \ 822 \\ 2 \ 574 \\ 295 \\ 2 \ 967 \\ 562 \\ 3 \ 597 \\ 941 \\ 669 \\ 941 \\ 669 \\ 941 \\ 669 \\ 1 \ 968 \\ 2 \ 980 \\ 1 \ 966 \\ 1 \ 9$	$\begin{array}{c} 85 & 9 \\ 46 & 1 \\ 44 & 1 \\ 20 & 3 \\ 70 & 0 \\ 47 & 9 \\ 97 & 3 \\ 27 & 3 \\ 27 & 3 \\ 27 & 3 \\ 27 & 3 \\ 31 & 4 \\ 6 & 0 \\ 38 & 1 \\ 10 & 0 \\ 7 & 4 \\ 11 & 0 \\ 15 & 5 \\ 81 & 6 \\ 11 & 3 \\ \end{array}$	1,339 769 608 400 1,229 1,023 700 420 791 95 872 733 537 737 537 101 161 162 222 141 143 168	$\begin{array}{c} 113 \ 0 \\ 64 \ 9 \\ 51 \ 8 \\ 83 \ 8 \\ 103 \ 7 \\ 86 \ 3 \\ 86 \ 8 \\ 80 \\ 31 \ 4 \\ 62 \\ 44 \ 5 \\ 14 \\ 18 \ 7 \\ 11 \ 9 \\ 40 \ 8 \\ 14 \ 2 \end{array}$	3 828 2,361 1,710 970 3 692 2,782 600 1 193 1,555 2.59 1,463 394 1 886 616 416 476 621 1,661 623	$\begin{array}{c} 40\ 5\\ 25\ 0\\ 18\ 1\\ 10\ 3\\ 39\ 1\\ 29\ 5\\ 6\ 4\\ 12\ 6\\ 16\ 5\\ 2\ 7\\ 5\\ 16\ 5\\ 2\ 7\\ 15\ 5\\ 4\ 2\\ 20\ 0\\ 6\ 5\\ 4\ 4\\ 5\ 0\\ 6\ 6\\ 17\ 6\\ 6\ 6\end{array}$	862 517 333 297 840 688 53 310 315 85 284 70 351 97 15 105 75 282 282 115	72 1 43 3 25 5 700 5 58 1 26 5 24 4 29 6 29 6 29 6 29 6 8 5 29 6 8 5 29 7 8 5 29 7 8 5 29 7 8 5 20 5 5 6 5 7 5 7 5 7 5 7 5 7 5 7 5 7 5 7 5 7 5 7
trouble Harnia or rupture Harnia or rupture Harnia or rupture Mental Neurological Urogenital Diabetes Diabetes Thyroid trouble Other Nonrespiratory allergies Deafness/hearing problem. Visual impairment Other specified Other specified	2 066 1 908 4 050 663 1,950 2,483 4 299 1,888 2,456 10 997 7,312 2,022 1,149 676	21 9 20 2 42 9 7 0 20 7 26 3 45 0 26 0 116 4 21 4 12 2 7 2	304 116 827 121 481 132 492 349 146 764 360 60 193 98	$\begin{array}{c} 25 & 7 \\ 89 & 8 \\ 89 & 8 \\ 100 & 6 \\ 11 & 1 \\ 419 & 5 \\ 12 & 3 \\ 429 & 5 \\ 12 & 3 \\ 64 & 4 \\ 32 & 9 \\ 5 & 1 \\ 16 & 3 \\ 8 \\ 3 \end{array}$	799 744 2,488 524 837 1,000 1,304 851 534 3 051 1,130 708 748 529	$\begin{array}{c} 8 5 \\ 7 9 \\ 26 4 \\ 5 8 9 \\ 10 6 \\ 14 9 0 \\ 5 7 \\ 32 3 0 \\ 12 0 \\ 7 5 \\ 7 9 \\ 5 6 \end{array}$	224 34 643 112 278 86 231 195 38 309 53 38 38 131 66	$\begin{array}{c} 18 & 9 \\ 2 & 9 \\ 12 & 1 \\ 9 & 5 \\ 23 & 5 \\ 7 & 3 \\ 19 & 5 \\ 16 & 5 \\ 26 & 0 \\ 4 & 2 \\ 11 & 1 \\ 5 & 6 \end{array}$	503 307 1,784 883 453 604 826 518 316 1,454 406 360 456 273	5339189149475339149475333891494753338991494753338991533899155334991553499155349915534991553991553499155349915539915534999155349991553499915534999155349991553499915534999155349991553499915524999159915915954999159915991599159915991	97 22 447 102 189 68 142 124 18 181 41 24 81 36	$\begin{array}{c} 8 \\ 1 \\ 37 \\ 8 \\ 6 \\ 16 \\ 12 \\ 12 \\ 12 \\ 15 \\ 2 \\ 3 \\ 6 \\ 8 \\ 3 \\ 0 \\ 6 \\ 8 \\ 3 \\ 0 \\ \end{array}$

*	Р	Prevale er 1,000 p	Disabled population				
Chronic condition	To popul	tal ation	Disa popul	bled lation	total population		
0 . h	White	Black and other races	White	Black and other races	White	Black and other races	
Total	489 3	469 8	193 9	140 5	194	14 0	
Musculoskeletal Cardiovascular Respiratory Digestive Mental Vrogenital Peoplasm Other	196 9 195 8 104 9 84 8 42 9 7 0 20 7 26 3 45 5 109 3	188 5 231 6 89 0 72 8 69 8 10 2 40 8 11 1 41 5 56 2	85 9 70 0 38 1 31 6 26 4 5 5 8 9 10 6 14 4 26 7	113 0 103 7 44 5 40 8 12 1 9 5 23 5 7 3 19 5 20 5	43 6 85 8 36 3 37 2 61 4 79 0 42 9 40 3 81 7 24 4	60 0 44 8 50 0 56 0 77 8 92 6 57 8 65 2 47 0 36 5	

TABLE 9 — Prevalence rate (per 1,000 population) for total and disabled population aged 20-64, by race and condition, 1972

The higher prevalence of cardiovascular diseases among blacks and persons of other minority races, as the data in table 8 show, results almost entirely from high blood pressure, a disease more than twice as prevalent among this group than among whites—138.3 cases per 1,000 and 66.9 cases per 1,000, respectively High blood pressure is one of the forms of heart disease that can often be controlled by medication The higher prevalence of this group of diseases, particularly high blood pressure, among blacks and those of other minority races has been well-documented medically,⁶ unlike the other conditions that have a differential association with disability according to race

Significantly, for all groups of conditions examined here, the proportion of persons with the disease who were also disabled was higher for blacks and other minority races than for whites This finding is true even for neoplastic diseases, despite their much higher prevalence among whites.

Further analyses of these differences by race would require more detailed information about specific conditions and their natural histories Yet the available data raise some interesting questions about differences in the dynamics of the disease process among the races Do'the higher prevalence rates of chronic conditions and the higher likelihood of associated disability among blacks and members of other minority races suggest the occurrence of relatively more severe cases as a result of genetic and environmental differences? Or does the fact that higher proportions of these minority races tend to be disabled, regardless of the type of condition involved, reflect differences in the economic conditions that face impaired blacks in comparison with those that whites encounter in similar situations?

Multiple Conditions

The presence of multiple conditions, as well as their number, seemed to increase the likelihood of being disabled Three-fourths of the survey respondents who were currently disabled reported two or more chronic conditions or impairments, but somewhat less than one-sixth of those who were not disabled reported more than one condition

The presence of severe disability increased even more sharply with the number of conditions Five percent of the population reporting one condition was severely disabled; ten times that proportion was severely disabled among persons with four or more conditions. These relationships are illustrated below.

	Number of conditions								
Disability status	One	Two	Three	Four or more					
Total number (in thousands)	25,920	12 300	6,341	7,202					
Total percent	100 0	100 0	100 0	100 0					
Currently disabled.	14 3 4 9 9 5 85 7	29 0 11 6 17 4 71 0	43 6 22 6 20 9 56 4	75 0 49 6 25 4 25 0					

The relationships illustrated are partly the result of differences in the age distributions of the disabled and the nondisabled since age is highly correlated with both the likelihood of disability and the number of conditions reported Table 10 shows that the number of chronic conditions reported increased significantly with age, regardless of disability status Moreover, four times as many of the currently disabled aged

⁶See Edward F Eckenfels et al, "Endemic Hypertension in a Poor, Black Rural Community Can It Be Controlled," *Journal of Chronic Diseases*, 1970, pages 499-518

54		Age group					
Number of conditions	.1otal	20-34	35-44	45-54	55-64		
Total population							
Total number (in thousands)	106, 2 68	41 771	21 909	23 606	18 982		
Total percent	100 0	100 0	100 0	100 0	100 0		
None	51 2 24 4 11 6 6 0 6 7	63 6 23 0 8 6 3 1 1 7	53 2 25 2 10 9 5 7 4 8	41 6 26 5 14 8 7 9 9 2	33 7 23 9 14 8 10 2 17 4		
Currently disabled				,			
Total number (in thousands)	15,550	2,994	2 398	4,565	5,591		
Total percent	100 0	100 0	100 0	100 0	100 0		
None	6 23 9 22 9 17 8 34 7	1 0 39 9 31 0 16 2 11 8	1 3 27 5 23 4 19 0 28 8	8 22 6 22 4 18 9 35 4	0 14 9 18 9 17 1 49 0		
' Severely disabled							
Total number (in thousands)	7,717	923	1,095	2 089	3 610		
Total percent	100 0	100 0	100 0	100 0	100 0		
None	3 16 3 18 5 18 6 46 3	$ \begin{array}{r} 1 \\ 32 & 0 \\ 25 & 4 \\ 24 & 9 \\ 17 & 6 \end{array} $	1 3 18 8 18 6 20 5 40 7	3 15 3 17 8 19 9 46 7	0 12 2 17 1 15 7 65 1		
Nondisabled							
Total number (in thousands)	90,718	38,776	19,511	19,040	13,391		
Total percent	100 0	100 0	100 0	100 0	100 0		
None	59 9 24 5 9 6 3 9 2 0	68 5 21 7 6 9 2 1 9	59 6 24 9 9 4 4 1 1 8	51 4 27 4 13 0 5 2 2 9	47 8 27 6 13 1 7 3 4 2		

TABLE 10 — Number of conditions reported Percentage distribution of adult population aged 20-64, by disability status and age group, 1972

55-64 as of those aged 20-34 had four or more conditions For the severely disabled, about half of those aged 45-64 had four or more conditions, less than 5 percent of the nondisabled in that age group reported that they had at least four chronic conditions

Role of Accidents

Accidents and/or injuries caused a significant proportion of the chronic diseases and/or impairments reported by survey respondents Furthermore, the proportion was much higher among the disabled than among those who were not disabled

According to table 11, almost one-seventh of the adult population reporting a chronic condition indicated that it was accidental in origin.

ported a condition caused by accident or injury
 On the other hand, one-fifth to one-fourth of both
 the currently disabled and the severely disabled
 reported a disease or impairment of accidental
 origin Obviously, accidents or injuries either
 caused or, at the least, contributed significantly
 to the extent of work disability reported by the
 adult population
 Accidentally induced chronic diseases and/or
 impairments were much more likely to be reported

impairments were much more likely to be reported by men than by women and by whites than by blacks and members of other races, regardless of disability status The proportion of men with an accident-related condition ranged from 16 percent of the nondisabled to 31 percent of the currently disabled The comparable figures for women were 5 percent and 18 percent, respectively

Among the nondisabled, less than one-tenth re-

The differences noted above in the relative frequency of chronic diseases and impairments caused accidentally probably reflect differences between men and women in labor-force participation and differences in the kinds of jobs held by men and women This hypothesis is supported by the data on age in table 11 In fact, the proportion of accidentally caused conditions first increased with age, declined slightly after age 45, and then dropped more rapidly after age 55, regardless of disability status Obviously, the decline after age 45 in the importance of accidents as a cause of chronic impairment also reflects the fact that chronic, degenerative diseases begin to occur more frequently after middle age

The importance of the workplace in accidentally caused chronic conditions and impairments is underscored dramatically by the figures in table 12 Injuries that occurred on the job were the most frequent type/place of accident reported; fully one-third of the accidents reported took place there. Automobile accidents—the second most frequent type/place—accounted for onefourth of the accidents reported

This pattern held for all disability groups, regardless of severity Some differences were observed, however, by sex, age, and race Among women and disabled persons under age 35, accidents involving motor vehicles were the type reported most frequently Such accidents accounted for more than 40 percent of those reported by women and by the severely disabled under age 35

,	T٥	tal popula	tion	Cur	rently disa	bled	Sev	erely disat	oled	, 1	Nondisable	đ
Age, sex, and race	Total	Condition by ac	n caused cident	Total	Condition by ac	on caused cident	Total	Conditio	on caused cident	Total	Conditio by acc	n caused cident
	(in thou sands)	Number (in thou sands)	Percent of total	(in thou sands)	Number (in thou sands)	Percent of total	(in thou sends)	Number (in thou sands)	Percent of total	(in thou sands)	Number (in thou sands)	Percent of total
Total ¹	50,759	7,019	13 8	14 815	3 519	23 8	7,515	1 663	22 1	35,944	3,499	97
Sex Men. Women.	22 815 27,944	4 636 2,382	203 85	6,668 8 147	2,054 1 465	30 8 18 0	2 866 4,649	789 874	27 5 18 8	16 147 19,797	2,582 917	16 0 4 6
20-34	14,773 10,005 13 591 12,391	2,048 1 483 1 918 1,570	13 9 14 8 14 1 12 7	2 693 2,252 4,413 5,456	697 640 1,141 1,041	25 9 28 4 25 9 19 1	901 1,017 2,060 3,536	177 287 458 739	19 6 28 2 22 2 20 9	12,079 7,753 9 177 6,935	1,351 843 777 529	, 10 9 8 5 7 6
WhiteBlack and other	45,300 5,460	6 497 520	14 3 9 5	12,670 2,145	3,121 398	24 6 18 6	6,207 1,308	1,433 230	23 1 17 6	32, 630 8,314	3,376 122	10 3 3 7

TABLE 11 — Cause of chronic conditions and impairments	Number ar	nd percent of	adult population	aged 20-64	with chronic
conditions, by disability status, sex, age group, and race, 1	1972	•	, • •	0	i

¹ Excludes persons with unknown cause of condition

TABLE 12 — Place/type of accident Number and percent of adult population aged 20-64 with chronic conditions, by disability status, sex, age group, and race, 1972

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	, Sex ,			Age	Race				
Disability status and place/type of accident	Total ,	Men	Women	20-34	35-44	4554	55-64	White	Black and other
Total population									
Total number (in thousands).	, 7,019	4 636	2,382	2,048	1,483	1,918	1,570	6 497	⁵²⁰
Total percent	100 0	100 0	160 0	100 0	100 0	100 0	100 0	100 0	100 0
On th job. Moving vehicle At home. Type not reported	36 5 24 3 15 4 23 2 6	48 4 14 0 10 8 25 9 8	13 4 44 5 24 3 17 8 1	29 4 29 3 13 0 28 2 0	35 1 24 5 20 4 18 8 1 3	41 8 19 2 15 2 22 9 9	40 8 23 8 14 0 21 0 3	35 1 24 3 15 9 24 1 6	54 4 25 0 9 6 11 2
Currently disabled					· · · · · · · · · · · · · · · · · · ·				
Total number (in thousands)	3,519	2 054	1 465	697	640	1,141	1,041	3,121	398
Total percent	100 0	100 0	100 0	100 0	100 0	100 0	100 0	100 0	100 0
On the job Moving vehicle At home Other Type not reported	38 1 26 7 14 9 20 0 3	54 9 14 5 7 5 22 6 4	$ \begin{array}{r} 14 & 5 \\ 43 & 9 \\ 25 & 2 \\ 16 & 4 \\ 1 \end{array} $	23 8 37 7 11 9 26 5	42 8 29 4 17 0 9 8 9	40 8 20 8 14 8 23 6 2	41 9 24 2 15 6 18 0 4	⁷ 36 8 26 2 15 8 21 0 4	48 5 31 2 7 8 12 8
Severely disabled								3	
Total number (in thousands)	1 663	789	874	177	287	458	739	1 433	220
Total percent	100 0	100 0	100 0	100 0	100 0	100 0	100 0	100 0	100 0
On the job Moving vehicle At home Other Type not reported	37 3 31 1 13 8 17 6 2	62 5 15 1 4 9 17 1 4	14 5 45 7 21 7 18 0 3	26 0 46 9 3 4 23 7	36 6 33 8 18 5 10 5 7	36 2 31 7 13 1 19 0	40 9 26 1 14 9 18 0 3	36 8 30 8 14 7 17 4 , 3	40 0 33 5 8 3 17 8
Nondisabled									*
Total number (in thousands)	3,499	2,582	917	1,851	843	777	- 529	3,376	122
Total percent	100 0	100 0	100 0	100 0	100 0	100 0	100 0	100 0	100 0
On the job Moving vehicle At home Other Type not reported	35 0 21 9 15 9 26 4 9	43 3 13 6 13 5 28 5 1 2	11 7 45 4 22 8 20 2	32 3 24 9 13 5 29 1 1	29 2 20 9 22 8 25 6 1 5	43 5 , 16 9 15 8 21 9 2 1	38 8 23 1 11 0 27 2	33 6 22 5 15 9 27 1 9	73 8 4 9 15 6 5 7

The importance of accidents or injuries as a cause of chronic diseases and impairments also

varied widely with the type of condition involved (table 13) Accidents and injuries may, indeed,

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account for the high prevalence of musculoskeletal disorders in the adult population as previously reported Fully one-fourth of the musculoskeletal disorders reported in the 1972 survey were the result of accidents or injuries Moreover, this proportion held for both the disabled and the nondisabled, although it fell to only 17 percent for the severely disabled Accidents accounted for 10 percent or more of the cases reported in the general population for only three other conditions —hearing problems, visual impairments, and epilepsy.

Technical Note*

STUDY DESIGN

The survey data were collected and processed by the Bureau of the Census Survey estimates are based on a sample of 18,000 interviewed persons selected from the 1970 5-percent Census sample Of these 18,000 persons, 11,700 were selected from all who indicated that they were disabled before October 1969 on the 1970 Census questionnaire These persons make up the disabled sample A mail screening in 1971 of the remaining persons resulted in two other sample groups-5,100 nondisabled persons and 1,200 recent-onset cases In addition to the sample of interviewed persons, there were 2,850 noninterviews Thus the rate of "good responses" for the survey-based on 18,000 interviewed persons out of 20,850 eligible for interview—is 86 percent The number and reason for noninterviews were as follows

Noninterview reason	Number of persons
Total	2,850
Unable to contact	1,240
Temporarily absent	100
Refused	620
Moved outside 357 primary	
sampling units	650
Miscellaneous	

* For a description of the reliability of the estimates, see the data in the technical note in Kathryn H Allan, "First Findings of the 1972 Survey of the Disabled General Characteristics," Social Security Bulletin, October 1976, pages 35-37 In general, the sample was a stratified multistage cluster design comprised of 357 sampling areas including every county and some independent cities in the United States The disabled persons were selected from all 357 strata, the nondisabled and recently disabled groups were chosen from a special subset of 105 strata The sample was designed to represent the noninstitutionalized civilian population of the United States aged 18-64 as of April 1970

DEFINITION OF DISABILITY

Disability is defined in this study as a limitation in the kind or amount of work (or housework) resulting from a chronic health condition or impairment lasting 3 months or longer. The disability classification is based on the extent of the individual's capacity for work, as reported by the respondent in a set of work-qualification questions Data on employment and on functional capacities—such as mobility, activities of daily living, personal care needs, and functional activity limitations—were also collected to evaluate further the nature and severity of disability

The severity of disability was classified by the extent of work limitation as

Severely disabled—unable to work altogether or unable to work regularly

Occupationally disabled—able to work regularly but unable to do the same work as before the onset of disability or unable to work full time

Secondary work limitations—able to work full time, regularly, and at the same work but with limitations in the kind or amount of work they can perform, women with limitations in keeping house but not in paid work are included as having secondary work limitations

CHRONIC AND/OR DISABLING CONDITIONS

During the household interview, all respondents were shown the following list of chronic conditions and impairments, and asked, "Do you have any of these conditions or impairments?"

	Tol	tal populat	ion e	Currently disabled			Sev	verely disat	bled ,	r	Vondisable	đ [′]
Chronic condition	Total	Conditio by ac	n caused cident	Total	Conditio by ac	n caused cident	Total	Conditio by ac	n caused cident	Total	Conditio by acc	n caused cident
	(in thou sands)	Number (in thou- sands)	Percent of total	(in thou sands)	Number (in thou sands)	Percent of total	(in thou sands)	Number (in thou sands)	Percent of total	(in thou- sands)	Number (in thou sands)	Percent of total
Total	106 268	7,019		15,550	3 519		7,717	1,662		90,718	8,499	•
Musculoskolotal Arthritis or rheumatism Trouble with back or spine Missing limbs, all or part. Chronic stiffness	$\begin{array}{c} 20 \ 822 \\ 11 \ 547 \\ 324 \\ 3.155 \\ 285 \\ 21 \ 225 \\ 10 \ 957 \\ 8 \ 868 \\ 2 \ 025 \\ 7,552 \\ 4 \ 877 \\ 649 \\ 338 \\ 4,170 \\ 784 \\ 504 \\ 288 \\ 2 \ 431 \\ 2 \ 615 \\ 4,791 \\ 11,708 \\ 2 \ 083 \\ 1,343 \\ 8,662 \end{array}$	$\begin{array}{c} 5, 516 \\ 479 \\ 208 \\ 208 \\ 1 \ 632 \\ 200 \\ 24 \\ 226 \\ 174 \\ 52 \\ 135 \\ 46 \\ 46 \\ 21 \\ 68 \\ 73 \\ 61 \\ 12 \\ 31 \\ 29 \\ 82 \\ 411 \\ 264 \\ 137 \\ 10 \end{array}$	$\begin{array}{c} 26 \\ 4 \\ 4 \\ 31 \\ 0 \\ 64 \\ 2 \\ 51 \\ 1 \\ 2 \\ 5 \\ 6 \\ 2 \\ 7 \\ 1 \\ 2 \\ 5 \\ 7 \\ 1 \\ 2 \\ 5 \\ 7 \\ 1 \\ 2 \\ 5 \\ 7 \\ 1 \\ 2 \\ 7 \\ 1 \\ 1 \\ 2 \\ 7 \\ 1 \\ 2 \\ 7 \\ 1 \\ 2 \\ 7 \\ 1 \\ 1 \\ 2 \\ 7 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1$	$\begin{array}{c} 9,452\\ 5,123\\ 5,169\\ 137\\ 1,919\\ 2452\\ 7,839\\ 4,124\\ 3,463\\ 778\\ 3,042\\ 3,131\\ 5,19\\ 825\\ 2,538\\ 636\\ 369\\ 275\\ 1,108\\ 1,594\\ 3,300\\ 746\\ 8,800\\ 1,910\\ \end{array}$	$\begin{array}{c} 2,770\\ 187\\ 1,631\\ 85\\ 864\\ 3\\ 101\\ 19\\ 142\\ 91\\ 98\\ 46\\ 21\\ 31\\ 69\\ 57\\ 12\\ 12\\ 12\\ 12\\ 8\\ 23\\ 168\\ 82\\ 77\\ 10\\ \end{array}$	$\begin{array}{c} 29 \ 3 \\ 3 \ 7 \\ 31 \ 6 \\ 42 \ 0 \\ 45 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ $	$\begin{array}{c} 7,693\\ 2,878\\ 2,213\\ 57\\ 1,064\\ 160\\ 4,532\\ 2237\\ 1,943\\ 329\\ 1,835\\ 2231\\ 407\\ 259\\ 1,733\\ 485\\ 299\\ 1,733\\ 485\\ 299\\ 192\\ 642\\ 672\\ 963\\ 31,614\\ 384\\ 537\\ 826\end{array}$	1 270 82 719 28 439 28 14 44 20 74 44 15 15 15 15 15 12 77 77 3 27 777 40 32 5	$\begin{array}{c} 16 \ 5 \ 28 \\ 2 \ 32 \ 5 \\ 49 \ 1 \\ 1 \ 2 \\ 1 \ 9 \\ 2 \ 3 \\ 7 \ 3 \\ 3 \ 4 \\ 5 \ 8 \\ 9 \\ 10 \ 4 \\ 1 \\ 1 \\ 2 \\ 1 \\ 1 \\ 1 \\ 2 \\ 4 \ 8 \\ 10 \ 4 \\ 6 \ 0 \\ 6 \\ 0 \end{array}$	$\begin{array}{c} 11,370\\ 6,424\\ 5,122\\ 187\\ 1,236\\ 6,832\\ 5,404\\ 1,246\\ 1,386\\ 4,509\\ 1,746\\ 133\\ 1,631\\ 148\\ 1,316\\ 1,316\\ 1,316\\ 3,197\\ 8,37,\\ 4,633\\ 1,337\\ 4,337\\ 4,633\\ 1,347\\ 1,357\\ 6,771\\ \end{array}$	2,746 291 1,561 124 769 3 119 4 84 82 2 37 	24 2 4 5 30 5 66 2 66 2 100 C 1 1 6 6 6 (1) 2 1

TABLE 13 — Cause of chronic conditions and impairments Number and percent of adult population aged 20-64 with chronic conditions, by disability status and condition, 1972

¹ Less than 0.05 percent

Asthma Tuberculosis Chronic bronchitis Emphysema Any other chronic lung trouble Allergies affecting breathing Any other allergy Rheumatic fever Hardening of the arteries High blood pressure (hypertension) Heart attacks (coronary) Heart trouble Stroke Trouble with varicose veins Hemorrhoids or piles Tumor, cyst, or growth Cancer Gallbladder or liver trouble Stomach ulcer Other chronic stomach trouble Kidney stones or kidney trouble

Arthritis or rheumatism Mental illness Mental retardation Diabetes Thyroid trouble or goiter Epilepsy or seizures Multiple sclerosis Alcohol or drug problems Chronic nervous trouble Hernia or rupture Deafness or serious trouble with hearing Blindness or serious trouble with seeing, even when wearing glasses Missing legs or feet Missing arms or hands Chronic stiffness or any deformity of the foot, leg, arm, or hand Repeated trouble with back or spine Chronic stiffness or deformity of the back or spine

Provision was made for reporting of multiple conditions Where six or more conditions were reported by a respondent, however, only the five most important were recorded and tabulated The relative importance of specific conditions was assigned on the basis of a predetermined, hier-

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archical list of diagnostic groups and conditions within each group The priority order of the diagnostic groups was as follows (from highest to lowest).

Cardiovascular	Digestive
Respiratory	Urogenital
Neurological	Neoplasm
Mental	Endocrine
Musculoskeletal	Other specified conditions

This procedure was followed except where the respondent indicated that any of the conditions reported was the result of an accident. Conditions caused by accidents were automatically assigned the top priority

In addition, respondents reporting that their health kept them from working at all or limited the kind or amount of work or housework they could do were shown the same list of conditions, and asked, "Are (were) any of these conditions the main reason for your work limitation?" If the condition mainly responsible for limiting the ability to work was not listed, survey respondents were asked to name and describe that condition Information about other conditions that might have interfered with their work capacity was not elicited