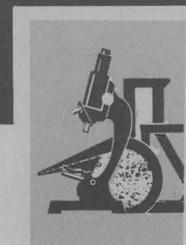


NIOSH



RESEARCH REPORT

**INDUSTRIAL
CHARACTERISTICS
OF PERSONS REPORTING
MORBIDITY DURING THE
HEALTH INTERVIEW SURVEYS
CONDUCTED IN 1969 - 1974**

U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES
Public Health Service
Center for Disease Control
National Institute for Occupational Safety and Health

INDUSTRIAL CHARACTERISTICS OF PERSONS REPORTING MORBIDITY
DURING THE HEALTH INTERVIEW SURVEYS CONDUCTED IN 1969-1974:
AN EXPLORATORY REVIEW

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Cincinnati, Ohio

August 1980

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DHHS (NIOSH) Publication No. 80-123

ABSTRACT

The analysis of morbidity data with respect to employment characteristics makes it possible to identify workplace health hazards which are not necessarily fatal but which may eventually lead to a shortened life span or permanent disability. Despite the value of conducting occupational morbidity analyses, few have been undertaken.

The Health Interview Surveys, conducted annually on a probability sample of U.S. households, provides an opportunity to examine morbidity with respect to employment. This analysis examines the morbidity data collected on 498,580 persons interviewed in the Health Interview Surveys conducted from 1969 to 1974. Information on disability, medical care usage and disease conditions are summarized with respect to the industrial characteristics of the interviewees. Proportions and morbidity ratios are presented for the purposes of comparison.

Industrial categories reporting the most disability were manufacturers of furniture and fixtures and transportation equipment, medical and health services and federal government. Industrial categories reporting the most medical care usage were primary metal industries, manufacturers of electrical machinery, equipment and supplies, transportation equipment and railroad transportation. Some of the observations in this analysis were similar to results of other data analyses. It appears that the Health Interview Survey data could be useful in a surveillance system for occupational disease and its use for this purpose should be explored further.

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INTRODUCTION

In the past, the identification of new workplace hazards has been made through the use of mortality data or through anecdotal references to episodes of ill-health. These surveillance efforts are limited to conditions that are either fatal or peculiar enough in nature to raise questions in the minds of attending medical personnel. While mortality data has been useful in the surveillance of occupational diseases, sole reliance on these data will result in many occupational health hazards going undetected.

More efforts in the surveillance of occupational diseases need to be directed toward early manifestation of disease. Diseases such as dermatitis and anemia may, in some instances, be the initial effects of health hazards in the workplace which are capable of causing long-term disability or death. Regardless of whether acute and short-term occupational diseases serve as early warning signals for more serious health consequences, they deserve more focus in a surveillance system, since they are likely to occur more frequently and since they cause unnecessary burdens to 1.) workers' health, 2.) health care systems and 3.) society (costs due to workdays lost).

Ideally, surveillance of occupational diseases should detect workplace hazards before their effects on health progressed to irreversible stages. The lack of large morbidity data bases, however, has stifled the development of surveillance systems toward this ideal. Morbidity data is not as uniformly collected as mortality data and storage is not as centralized. Few states, for example, centralize their workmen compensation claims and the definition of a compensable disease varies among states. Hospital and physician records are more difficult to obtain and information on employment may not be routinely available on these records.

The present report explores the usefulness of the Health Interview Survey (H.I.S.) as a tool in the surveillance of occupational disease. Conducted annually by the National Center for Health Statistics, this multi-purpose survey provides one of the few opportunities to analyze the morbidity of a large representative sample of the U.S. population with respect to employment. The present analysis combined the H.I.S. data collected from 1969 through 1974 and generated descriptive statistics that could be used to compare industrial groups on the basis of the morbidity they reported in the survey.

This summary of the H.I.S. data may provide a means of suggesting industrial groups that are experiencing unusual morbidity. It will serve as a preliminary step in the identification of health hazards in the workplace to the extent that it gives direction and priority to more detailed occupational health research. This analysis may also serve to illustrate how the H.I.S. can be used as a component in a surveillance system for occupational disease.

MATERIALS AND METHODS

The H.I.S. is a continuing, nationwide, household survey conducted by the National Center for Health Statistics. This survey collects information on personal and demographic characteristics, health, injuries and medical care usage of occupants in a sample of U.S. households. Households are chosen according to a multistage probability sampling plan designed to make each week's sample representative of the noninstitutionalized U.S. civilian population.¹

Each year's H.I.S. sample is composed of approximately 42,000 households and includes about 134,000 individuals. Household members are interviewed personally or the information is obtained from another member of the household (by proxy). This analysis was based on information obtained on 498,580 individuals interviewed during 1969 through 1974 and was not based on national projections of these data. Only persons who were at least 17 years old and of the white race or black race were included in this analysis.

The occupations reported in the H.I.S. refer to the job held during the 2-week period before the interview. If the interviewee was unemployed, the last civilian job held was recorded. Persons coded as "not in labor force" consisted of housewives, retirees, the handicapped unable to work, the disabled, and charity workers who received no pay. Place of employment was coded for industry according to the scheme developed by the Bureau of the Census.² The present report made use of a coding scheme that summarized industries into 40 categories. A list of these 40 categories and their corresponding Census Bureau and Standard Industrial Classification codes is provided in Appendix A. The industrial distribution of an H.I.S. sample was compared to the industrial distribution of the 1970 U.S. Census population and was found to be quite similar.

The type of health information analyzed was basically of three types: (1) disability, (2) health conditions, and (3) use of medical services. Disability was defined as any temporary or long-term reduction of a person's activity as a result of an acute or chronic condition. Restricted activity, bed disability, and work loss all denote varying degrees of disability and are not independent. A day of bed disability or work loss would also be considered a day of restricted activity, but the converse is not necessarily true. For example, a person's activity may be restricted in the sense that he/she may not do heavy lifting but this may not necessarily keep him/her in bed or from work. The definitions of terms relating to disability and health care are provided in Appendix B.³

The information on disability, work injuries, and use of medical care was summarized by calculating proportions of persons in each industry reporting these experiences. Proportions were based on all 6 years of data (1969-1974) and were directly adjusted for age, race, and sex using the 1970 U.S. Census population as the standard. Thus, the proportions presented here are those which would be observed in the

standard population if it had the same age-race-sex specific (or age-specific) proportions of disability, work injury and use of medical care in a given industrial group. The use of such direct adjustment allows for comparison between industrial groups. ⁴

The data on specific health conditions reported were analyzed by calculating ratios of the observed to expected number of conditions among interviewees within a particular industrial group. The entire sample (excluding persons not in the labor force) was used as the standard for calculating expected values. The calculation of these morbidity ratios (adjusted for age) is presented below.

For each condition:

$$\text{RATIO}_j = \frac{O_j}{E_j} \times 100, \text{ where}$$

$$O_j = \sum_{i=1}^4 C_{ij}$$

$$E_j = \sum_{i=1}^4 P_{ij} \frac{C_{i.}}{P_{i.}}$$

$i = 1, 4$, the number of age groups

$j = 1, 40$, the number of industries

C_{ij} = the number of persons with a specified condition in industry j who are in the i th age group

P_{ij} = the number of persons in industry j who are in the i th age group

$C_{i.}$ = the number of persons in the standard population (all industry groups in the H.I.S. samples) with a specified condition who are in the i th age group

$P_{i.}$ = the number of persons in the standard population (all industry groups in the H.I.S. samples) who are in the i th age group

The health conditions reported in the H.I.S. could be divided into two types, acute and chronic. However, in order to keep the frequencies of conditions as large as possible on an industry-race-sex specific basis, no distinction was made between these two types of conditions in calculating the morbidity ratios. Conditions were grouped into 14 major categories. Their equivalent ICD codes are given in Appendix C.

RESULTS

Examination of the age distributions for each industrial-race-sex group indicated that the "not in labor force" category had the highest proportion of persons in the 65+ age group, especially among males. (Retirees fall in this category.) Industrial groups having high proportions of persons in older age groups were agriculture and private household services.

Tables 1-3 contain the proportions of persons having restricted activity, bed disability and work loss respectively, during the two weeks prior to their interview. Table 4 contains the proportions of persons reporting conditions which were the result of a work injury. Tables 5-7 contain the proportions of persons who reported four or more doctor visits, one or more hospital episodes, and seven or more hospital days, respectively, during the 12 months prior to their interview. Consistent race and sex differences were observed for these tabulations. In general, a greater proportion of females reported all forms of disability and use of medical care and a greater proportion of blacks reported all forms of disability. People of both races appeared to be similar in their use of medical services. Although many factors may have influenced these differences, this report does not attempt to examine these differences other than recognizing that race and sex are potential confounding variables that must be accounted for in any subsequent statistical analysis.

The data in Tables 1-7 are summarized further in Tables 8-10. Industries that had proportions in the upper and lower quartiles are noted with an "x" in Tables 8 and 9, respectively. In Table 10, industries are ranked according to the age-race-sex adjusted proportions given in Tables 1-7.

Industrial groups with proportions that consistently fell in the upper quartile range for the various types of disability days were workers in forestry and fisheries (however, the number of interviewees in this category was very small), manufacturers of furniture and fixtures and transportation equipment, medical and health services, and federal government. The largest users of medical care services were persons in the primary metal industries and those in the manufacture of electrical machinery, equipment and supplies, transportation equipment and railroad transportation. Except for persons working in the manufacture of transportation equipment, industrial groups that had proportions in the upper quartile range for medical care usage did not necessarily have proportions in the upper part of the range for disability days. As might be expected, persons not in the labor force frequently appeared in the upper quartile range for disability days and medical care usage.

Industrial groups that consistently had proportions in the lower part of the range for disability days were mining, communication, and new workers. Medical services were used least often by persons in agriculture, forestry and fisheries, construction, manufacture of

lumber and wood products, communication, repair services, education, private household workers, "other" miscellaneous services, state government, and new workers.

In general, manufacturing industries had the largest proportions of persons having work injuries, whereas the service industries had the smallest. While the upper quartile range of proportions reporting work injuries did not include the "not in labor force" category, Table 4 shows that males in this category did have above average proportions. It is possible to calculate the proportion of persons not in the labor force having work injuries since there is no set time frame in which the accident had to take place. The interviewee had only to be experiencing a condition or disability as a result of the accident at the time of the interview.

Table 11 contains age-adjusted morbidity ratios for selected conditions by race, sex, and industry. Ratios greater than 100 suggest disease excesses within that particular industrial or industrial-race-sex category. The excesses are relative to the sample as a whole or (in the case of race-sex specific ratios) to all persons in the sample belonging to the particular race-sex category.

Private household workers appear to be the category with the most disease excesses. (This does not include housewives.) Other industries found to have disease excesses are summarized below by condition. For simplicity, the summarizations above were based on the "total" ratios, however, the reader is encouraged to examine the race-sex specific ratios also since race-sex groups may differ in the type of jobs generally held within a particular industry. The summaries below do not represent all ratios greater than 100 but only those which appeared to be the highest among ratios based on a fairly large number of observations.

Infective and parasitic diseases: manufacture of chemical and allied products, electric, gas and sanitary services, miscellaneous business services (includes services such as fumigating, exterminating, disinfecting, commercial research, detective and computer programming), state and local governments.

Neoplasms: manufacture of furniture and fixtures; chemical and allied products; primary metal industries; fabricated metal products; electrical machinery, equipment and supplies; transportation equipment; amusement and recreation services; private household services and local government.

Endocrine, nutritional, metabolic and blood disorders: printing and publishing, railroad transportation, miscellaneous business services and new workers.

Mental and nervous system disorders: textile mill products, personal services, repair services, private household services, "unknown" and new workers.

Diseases of eye and ear: miscellaneous business services, private household services, other miscellaneous services (includes lodging places, legal, religious, welfare, accounting and engineering services), federal and state governments, and new workers.

Diseases of circulatory system: private household services.

Diseases of respiratory system: manufacture of transportation equipment; electric, gas and sanitary services; miscellaneous business services; education; private household services and state government.

Diseases of digestive system: agriculture, miscellaneous business services, repair services, amusement and recreation services, private household services and new workers.

Diseases of skin and subcutaneous tissues: manufacture of textile mill products, furniture and fixtures, printing and publishing, fabricated metal products, amusement and recreation services and railroad transportation.

Diseases of musculoskeletal system and connective tissues: agriculture, and private household services.

Genitourinary disorders, pregnancy and childbirth: agriculture, mining, textile mill products and railroad transportation.

Congenital anomalies and causes of perinatal morbidity: printing and publishing, electrical machinery, equipment and supplies, personal services, miscellaneous business services, medical and health services, education, other miscellaneous services and federal and local government.

Symptoms and ill defined conditions:* agriculture, manufacture of furniture and fixtures, all transportation (except railroad), repair services, amusement and recreation services, private household services, state government and new workers.

Injuries (not necessarily work related): mining, manufacture of lumber and wood products, stone, clay and glass products, primary metal industries, fabricated metal products, and local government.

Since few occupational health studies have been based on data which allowed one to examine racial differences, attention is drawn here to some of the differences that were observed in these data between blacks and whites. As mentioned previously, blacks reported more disability than whites. Industry groups in which this discrepancy appeared to be the greatest (blacks reporting more disability) were

* This includes symptoms and conditions such as fatigue, headache, senility, heart pain, cyanosis, fainting, shock, edema, enlarged lymph gland or spleen, hiccough and hematemesis, enlarged liver, jaundice, rash, fever, uremia, etc. (ICD 790.1-796.9).

manufacturers of apparel and other finished products and machinery, except electrical and miscellaneous business services. Some racial differences that were observed in the reporting of conditions were excess diseases of the skin and subcutaneous tissues among blacks in agriculture and wholesale trade and excess diseases of the eye and ear among blacks in construction. On the other hand, excess neoplasms were found only among whites in the manufacture of furniture and fixtures and chemical and allied products. While these differences may be chance observations or may not be a result of differing work assignments, they do provide leads for research in an area that needs to be further explored.

DISCUSSION

Among persons in the labor force, the industrial groups reporting more disability (all forms) than others were manufacturers of furniture and fixtures and transportation equipment, medical and health services and federal government. Conditions which appeared to be in excess within these groups were: neoplasms (furniture and fixtures, and transportation equipment); diseases of musculoskeletal system and connective tissue (furniture and fixtures); infective and parasitic diseases (furniture and fixtures, medical and health services and federal government); congenital anomalies and causes of perinatal morbidity (medical and health services and federal government) and symptoms and ill defined conditions (furniture and fixtures).

Industrial groups reporting more medical care usage (all forms) than others were primary metal industries, manufacturers of electrical machinery, equipment and supplies, transportation equipment and railroad transportation. Use of medical care was analyzed with the intention that it might serve to be an indication of health status. The use of medical services, however, is a function of medical care benefits and availability, as well as ill health. This may explain why the industrial groups that had the larger proportions reporting morbidity did not necessarily have the larger proportions using medical services. Since prepaid medical care benefits may differ among industries, the degree of such coverage would be an important variable to control in any analysis of health care use. The H.I.S. does obtain information on medical care coverage, but this information is not routinely included on the H.I.S. user tapes.

Elevated morbidity ratios were found most often among persons in private household services. As mentioned previously, this group was also found to have one of the larger proportions of persons in the 65+ age group. It is curious to note that while persons in this group reported relatively more disease conditions than other groups, they reported less disability and medical care usage by comparison. Other industrial groups found to report relatively more disease conditions were agriculture, manufacture of furniture and fixtures and fabricated metal products, railroad transportation, miscellaneous business services, repair services, amusement and recreation services, state and local governments and new workers.

Interpretation of the statistics generated for the various industrial groups should take into consideration that information was obtained only on a person's most recent job. This could result in biases since the decision to hire a person for a given job or allow a person to remain in a particular job often depends on the person's physical and/or mental condition. Although usual and current occupation may overlap in many cases, collection of additional information pertaining to usual employment would make the H.I.S. data more useful in occupational disease surveillance. The need for this additional information on employment is made evident by the large number of

interviewees not in the labor force and by the fact that males in this group had above average proportions reporting work injuries (Table 4).

Consideration should also be given to the number of interviewees upon which proportions were based and the percentage of interviews conducted by proxy. Although the total number of interviewees was large (498,580), the frequency of persons within specific industrial-race-sex groups could be very small. This was particularly the case in the forestry and fishery industry group and in general, among black females. Proportions based on few interviewees would tend to be more unstable.

Approximately 37% of the interviews were conducted by proxy. One might presume that employed household members would be interviewed by proxy more often and in fact, they were. Of the employed interviewees, 48% were interviewed by proxy compared with 33% of the unemployed interviewees and 21% of the interviewees not in the labor force. While proxy responses are better than no responses they are more likely to be inaccurate. Increasing the self response rate significantly, however, may not be economically feasible.

The disability information reported in the H.I.S. may not always be an adequate indication of the morbidity generally experienced by the interviewee. First of all, it only reflects the experience within a 2-week period, and secondly, it is subject to individual variations to the same condition. For instance, health conditions that may cause one person to take a leave of absence from work may not affect another person's usual routine. This could depend upon the physical demands of one's job. Also, data on restricted activity may be affected by individual differences in the perception of one's usual activity. It may be recalled that restricted activity is defined as a substantial reduction in the amount of activity normal for a particular day because of a specific illness or injury. Since a person's perception of usual activity can be permanently altered by a chronic condition, a report of no restricted activity would not necessarily indicate a normal state of health.³

The sensitivity of this analysis in detecting differences in the morbidity patterns of industrial groups will be weakened by the fact that the morbidity reported in the H.I.S. is not necessarily work related and that a wide variety of occupations, differing in hazard potential, exist within an industry. Cross-tabulation of industry and occupation is possible with the H.I.S. data but it was not considered feasible to do so in this initial analysis since the frequencies would be considerably diminished and since the occupational recode values were not the same for all six years of data.

It should be emphasized that this is an exploratory analysis, intended for the purpose of generating rather than testing hypotheses. As such, one would hope to generate hypotheses which were plausible from an etiological point of view. Some results which appear to lend themselves to the development of reasonable hypotheses are the excess diseases of the musculoskeletal system found among agricultural workers and excess neoplasms found among workers in the manufacture of

chemical and allied products and the metal industries (primary and fabrication).

Some results, however, were in contrast to what one might initially expect in an occupational morbidity analysis. For example, the large proportion of persons reporting disability in public administration (federal and state governments) and the little disability reported among miners and agricultural workers are not consistent with potential health hazards found within these industries. These situations may reflect a "healthy worker effect", which implies that persons must be healthy in order to obtain and/or remain in physically demanding jobs. Discrepancies between reported disability among industry groups, such as workloss due to health, and the degree of hazards associated with these industry groups could also reflect the availability of sick leave benefits.

Though not all morbidity excesses observed in this analysis can be expected to reflect true excesses and/or job related excesses, the findings indicate the H.I.S. to be a potentially valuable source of information for a surveillance system for occupational diseases. The value of H.I.S. data in identifying industry groups with excess morbidity is demonstrated by its comparability with other morbidity data. For instance the industrial groups that had the ten largest proportions reporting work injuries in the H.I.S. were compared with the industries found to have the ten highest work injury rates in the 1973 Bureau of Labor Statistics (BLS) Survey.⁵ The two lists were similar, eight industries being common to both lists. The eight industries were construction, manufacturers of food and kindred products, lumber and wood products, stone, clay and glass products, furniture and fixtures, primary metal industry, fabricated metal products and manufacturers of machinery, except electrical. While the work injury statistics that were generated from both surveys are not directly comparable (prevalence of conditions that were a result of work accidents (H.I.S.) versus incidence rates (BLS)), the similarity of their results is nonetheless a positive indication that the H.I.S. can provide reliable information for occupational morbidity analyses.

An attempt was also made to compare the results of this analysis with an analysis of Social Security Disability Benefit Awards made in 1969-72 to white males.⁶ Again, comparisons between these analyses are tenuous since the Social Security data was analyzed with respect to occupational title rather than industry. Despite this difficulty, similarities were found. For instance, both analyses suggested that diseases of the musculoskeletal system and connective tissue were in excess among workers in the agricultural industry; endocrine, nutritional, metabolic and blood disorders and diseases of the eye and ear were in excess among workers in the printing industry; and mental and nervous system disorders were in excess among workers in the manufacture of textile mill products.

Despite the limitations of the H.I.S. data, this analysis has served to demonstrate its potential value in examining morbidity patterns among industrial groups. Given the scarcity of large morbidity data bases, the use of H.I.S. data in occupational disease surveillance

should continue to be explored. This could be done through more detailed analyses of these data and by actually following some of the leads suggested by these data to determine whether they could be supported by further research. Changes in the H.I.S. questionnaire and/or study design should also be explored to determine the costs, benefits and problems associated with making the H.I.S. a more suitable research tool in occupational disease surveillance.

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APPENDIX A

INDUSTRY CODE OUTLINE*

H.I.S. Recode	Bureau of Census Detail Code	Industry Title	Standard Industrial Classification Code
01	017-019	AGRICULTURE	01, 07 ex 0713
02	027-028	FORESTRY & FISHERIES	08, 09
10	047-049, 057	MINING	10-14
20	067-069, 077	CONSTRUCTION	15-17
MANUFACTURING:			
30	268-298	Food & kindred products	20, 0713
31	307-318	Textile mill products	22
32	319, 327	Apparel & other finished products made from fabrics & similar materials	23
33	107-109	Lumber & wood products, except furniture	24
34	118	Furniture & fixtures	25
35	338, 339	Printing, publishing	27
36	347-369	Chemicals & allied products	28
37	119-138	Stone, clay & glass products	32
38	139-149	Primary metal industries	33
39	157-169	Fabricated metal products, except ordnance, machinery & transportation equipment	34
40	177-198	Machinery, except electrical	35
41	199-209	Electrical machinery, equip- ment and supplies	36
42	219-238	Transportation equipment	37
43	239-259, 299 328-337, 377-398	All other and unspecified	21, 26, 29-31, 38, 39, 19

APPENDIX A - Continued

H.I.S. Recode	Bureau of Census Detail Code	Industry Title	Standard Industrial Classification Code
TRANSPORTATION			
50	407	Railroad transportation	40
51	408-429	All other transportation	41, 42 44-47
52	447-449	COMMUNICATION	48
53	467-479	ELECTRIC, GAS & SANITARY SERVICES	49
60	507-588	WHOLESALE TRADE	50
RETAIL TRADE:			
61	669	Eating & drinking places	58
62	607-668, 677-698	Other retail trade	52-57, 59
70	707-718	FINANCE, INSURANCE & REAL ESTATE	60-67
SERVICES:			
80	779-798	Personal services (except private households)	72
81	727-748	Miscellaneous business services	73
82	749-759	Repair services	75, 76
83	807-809	Amusement & recreation services	78, 79
84	828-848	Medical & other health services	80
85	857-869	Educational services	82, 84
86	769	Private households	88
87	777, 778, 849 877-897	Other miscellaneous services	70, 81, 86, 89

APPENDIX A - Continued

H.I.S. Recode	Bureau of Census Detail Code	Industry Title	Standard Industrial Classification Code
GOVERNMENT:			
90	907, 917	Federal government, including international	91, 94
91	927	State government	92
92	937	Local government	93
93	997, 999, and all other codes	UNKNOWN INDUSTRY	-
94	996	New worker	99
95	Not Applicable	Not in labor force	

*This outline was copied directly from the H.I.S. data tape format documentation.

APPENDIX B

DEFINITIONS OF TERMS RELATING TO DISABILITY AND HEALTH CARE*

Restricted-activity day. - A day of restricted activity is one on which a person substantially reduces the amount of activity normal for that day because of a specific illness or injury. The type of reduction varies with the age and occupation of the individual as well as with the day of the week or season of the year. Restricted activity covers the range from substantial reduction to complete inactivity for the entire day.

Bed-disability day. - A day of bed disability is one on which a person stays in bed for all or most of the day because of a specific illness or injury. All or most of the day is defined as more than half of the daylight hours. All hospital days for inpatients are considered to be days of bed disability even if the patient was not actually in bed at the hospital.

Work-loss day. - A day lost from work is a day on which a person did not work at his job or business for at least one-half of his normal workday because of a specific illness or injury. The number of days lost from work is determined only for persons 17 years of age and 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.

Accident while at work. - The class of accident is "while at work" if the injured person was 17 years of age or over and was at work at a job or business at the time the accident happened.

Hospital. - For this survey a hospital is defined as any institution meeting one of the following criteria: (1) named in the listing of hospitals in the current Guide Issue of Hospitals, the Journal of the American Hospital Association; (2) named in the listing of hospitals in the Directories of the American Osteopathic Hospital Association; or (3) named in the annual inventory of non-Federal hospitals submitted by the States to the Health Care Facilities Service, Health Services and Mental Health Administration, in conjunction with the Hill-Burton program.

Short-stay hospital. - A short-stay hospital is one in which the type of service provided by the hospital is general; maternity; eye, ear, nose, and throat; children's; or osteopathic; or it may be the hospital department of an institution.

Hospital episode. - A hospital episode is any continuous period of stay of 1 night or more in a hospital as an inpatient. A hospital episode is recorded for a family member whenever any part of his hospital stay is included in the 12-month period prior to the interview week.

Hospital-day. - A hospital day is a day on which a person is confined to a hospital. The day is counted as a hospital day only if the patient stays overnight. Thus a patient who enters the hospital on Monday afternoon and leaves Wednesday noon is considered to have had 2 hospital days.

Hospital days during the year. - The number of hospital days during the year is the total number for all hospital episodes in the 12-month period prior to the interview week. Episodes overlapping the beginning or end of the 12-month period are subdivided so that only those days falling within the period are included.

Physician visit. - A physician visit is defined as consultation with a physician, in person or by telephone, for examination, diagnosis, treatment, or advice. The visit is considered to be a physician visit if the service is provided directly by the physician or by a nurse or other person acting under a physician's supervision. For the purpose of this definition, "physician" includes doctors of medicine and osteopathic physicians. The term "doctor" is used in the interview rather than "physician" because of the need to keep to popular usage. However, the concept toward which all instructions are directed is that which is described here.

Physician visits for services provided on a mass basis are not included in the tabulations. A service received on a mass basis is defined as any service involving only a single test (e.g., test for diabetes) or a single procedure (e.g., smallpox vaccination) when this single service was administered identically to all persons who were at the place for this purpose. Hence, obtaining a chest X-ray in a tuberculosis chest X-ray trailer is not included as a physician visit. However, a special chest X-ray given in a physician's office or in an outpatient clinic is considered a physician visit.

Physician visits to hospital inpatients are not included.

If a physician is called to a house to see more than one person, the call is considered a separate physician visit for each person about whom the physician was consulted.

A physician visit is associated with the person about whom the advice was sought, even if that person did not actually see or consult the physician. For example, if a mother consults a physician about one of her children, the physician visit is ascribed to the child.

* These definitions are identical to definitions in the National Center for Health Statistics' Current Estimate Publications.

APPENDIX C

Summary of Disease Conditions by Equivalent
International Classification of Diseases (ICDA) Codes*

	<u>ICD</u>
Infective and parasitic diseases	000-136
Neoplasms	140-239
Endocrine, nutritional, metabolic and blood disorders	240-289, 788.4
Mental and nervous system disorders	290-358, 780.2 (part), 780.6, 781.4, 781.5, 781.7, 785.6, 786.2, 790.0, 790.2
Diseases of eye and ear	360-387, 744.0-744.4, 744.9, 745.0-745.3, 781.0- 781.3
Diseases of circulatory system	390-458, 782.1, 782.2, 782.4
Diseases of respiratory system	460-519
Diseases of digestive system	520-577, 784.0-784.4, 784.7, 785.4
Diseases of skin and subcutaneous tissues	680-709
Diseases of musculoskeletal system and connective tissue	710-734
Genitourinary disorders, pregnancy and childbirth	580-678
Congenital anomalies and causes of perinatal morbidity	743.2-743.4, 743.8, 743.9, 745.4, 746-748, 750-753, 756.5-756.9, 757, 758.0- 758.8, 759.0-759.2, 759.4- 759.8, 760-768, 769.0-769.4, 769.9, 770-778

ICD

Symptoms and ill defined
conditions

780.0, 780.1, 780.2 (part),
780.3-780.5, 780.7, 780.8,
781.6, 781.8, 782.0, 782.3,
782.5-782.9, 783, 784.5, 784.6,
785.0-785.3, 785.5, 785.7,
785.8, 786.0, 786.1, 786.3-
786.7, 787.0-787.6, 788.0-788.3,
788.5-788.9, 789, 790.1, 791-
794, 796.0, 796.1, 796.9

Injuries

800-999

*Eighth revision

TABLE 1. THE NUMBER OF INTERVIEWEES AND THE AGE ADJUSTED PROPORTION HAVING ONE OR MORE DAYS OF RESTRICTED ACTIVITY DURING THE 2 WEEKS PRIOR TO THEIR INTERVIEW BY INDUSTRY, RACE AND SEX, H.I.S. 1969-74

Industry	Total		White				Black			
			Males		Females		Males		Females	
	N	Prop	N	Prop	N	Prop	N	Prop	N	Prop
Agriculture	11805	.09	9275	.08	1569	.10	761	.12	200	.11
Forestry & fisheries	337	.13	274	.09	47	.14	12	.19	4	.35
Mining	2094	.06	1893	.08	129	.04	66	.18	6	.00
Construction	20644	.09	17815	.09	1172	.09	1610	.10	47	.19
Manufacturing:										
Food & kindred products	6170	.10	3850	.09	1592	.10	517	.08	211	.10
Textile mill products	3816	.11	1797	.09	1546	.12	242	.13	231	.10
Apparel & other finished products	5418	.09	1089	.06	3688	.10	107	.12	534	.14
Lumber & wood products	2222	.03	1696	.09	189	.08	310	.10	27	.03
Furniture & fixtures	1868	.12	1202	.11	462	.14	128	.06	76	.09
Printing & publishing	4678	.09	2827	.08	1596	.10	152	.12	103	.08
Chemicals & allied products	4147	.10	2920	.08	887	.12	248	.07	92	.15
Stone, clay & glass products	2317	.10	1667	.08	424	.12	189	.12	37	.15
Primary metal industries	4630	.09	3637	.08	382	.10	581	.08	30	.12
Fabricated metal products	5120	.10	3823	.09	918	.11	306	.07	73	.09
Machinery, except electrical	8128	.09	6456	.09	1291	.09	301	.11	80	.14
Electrical machinery, equipment & supplies	7106	.11	4013	.09	2583	.13	220	.07	290	.10
Transportation equipment	9241	.11	7001	.10	1211	.12	878	.12	151	.14
All other & unspecified	12064	.10	7278	.09	3799	.11	560	.07	427	.11
Railroad transportation	2356	.15	2052	.09	123	.19	168	.06	13	.09
All other transportation	9146	.10	6708	.09	1479	.10	878	.09	81	.08
Communication	4275	.08	2152	.07	1760	.08	108	.05	255	.12
Electric, gas & sanitary services	4173	.10	3235	.09	517	.09	372	.11	49	.19
Wholesale trade	10993	.09	7781	.08	2484	.10	571	.10	157	.10
Eating & drinking places	10162	.09	3287	.07	5804	.11	357	.05	714	.11
Other retail trade	36589	.09	18645	.07	15786	.10	1260	.08	898	.10
Finance, insurance & real estate	15691	.09	7268	.08	7502	.10	419	.08	502	.17
Services:										
Personal	5645	.09	1718	.06	3114	.10	267	.08	546	.12
Miscellaneous business	6250	.11	3371	.08	2365	.12	292	.14	222	.15
Repair	4206	.09	3426	.09	459	.08	296	.10	25	.11
Amusement & recreation	2945	.09	1639	.09	1031	.10	189	.07	86	.07
Medical & health	17973	.11	3796	.10	11367	.12	593	.10	2217	.14
Education	23772	.11	7753	.09	13408	.12	755	.08	1856	.12
Private households	6087	.11	442	.10	2929	.12	196	.12	2520	.12
Other miscellaneous	13128	.10	6133	.08	5778	.11	460	.10	757	.12
Federal government	9003	.12	5466	.10	2187	.14	750	.11	600	.17
State government	2777	.11	1601	.10	965	.11	93	.06	118	.15
Local government	5764	.11	3724	.10	1472	.11	359	.09	209	.13
Unknown	3586	.11	1687	.09	1349	.12	314	.12	236	.13
New worker	1286	.07	449	.05	545	.11	101	.01	191	.04
Not in labor force	190968	.16	40409	.17	132675	.13	5007	.22	12877	.21
Total	498580	.12	211255	.10	238584	.13	20993	.12	27748	.17

TABLE 2. THE NUMBER OF INTERVIEWEES AND THE AGE ADJUSTED PROPORTION HAVING ONE OR MORE DAYS OF BED DISABILITY DURING THE 2 WEEKS PRIOR TO THEIR INTERVIEW BY INDUSTRY, RACE AND SEX, H.I.S. 1969-74

Industry	Total		White				Black			
			Males		Females		Males		Females	
	N	Prop	N	Prop	N	Prop	N	Prop	N	Prop
Agriculture	11805	.03	9275	.03	1569	.04	761	.05	200	.03
Forestry & fisheries	337	.08	274	.03	47	.08	12	.14	4	.35
Mining	2094	.03	1893	.03	129	.03	66	.07	6	.00
Construction	20644	.05	17815	.04	1172	.05	1610	.05	47	.08
Manufacturing:										
Food & kindred products	6170	.05	3850	.04	1592	.06	517	.04	211	.06
Textile mill products	3816	.05	1797	.04	1546	.06	242	.03	231	.07
Apparel & other finished products	5418	.04	1089	.03	3688	.05	107	.10	534	.08
Lumber & wood products	2222	.03	1696	.04	189	.03	310	.03	27	.00
Furniture & fixtures	1868	.07	1202	.06	462	.09	128	.05	76	.03
Printing & publishing	4678	.04	2927	.04	1596	.05	152	.02	103	.02
Chemicals & allied products	4147	.06	2920	.03	887	.08	248	.03	92	.05
Stone, clay & glass products	2317	.05	1667	.03	424	.07	189	.03	37	.09
Primary metal industries	4630	.04	3637	.04	382	.05	581	.05	30	.08
Fabricated metal products	5120	.05	3823	.04	918	.06	306	.03	73	.02
Machinery, except electrical	8128	.04	6456	.04	1291	.04	301	.07	80	.05
Electrical machinery, equipment & supplies	7106	.05	4013	.04	2593	.06	220	.03	290	.05
Transportation equipment	9241	.06	7001	.04	1211	.07	878	.04	151	.09
All other & unspecified	12064	.05	7278	.05	3799	.05	560	.04	427	.06
Railroad transportation	2356	.04	2052	.04	123	.03	168	.01	13	.09
All other transportation	9146	.06	6708	.05	1479	.06	878	.04	81	.07
Communication	4275	.04	2152	.04	1760	.04	108	.03	255	.06
Electric, gas & sanitary services	4173	.05	3235	.04	517	.05	372	.05	49	.17
Wholesale trade	10993	.05	7781	.04	2484	.05	571	.06	157	.07
Eating & drinking places	10162	.05	3287	.04	5804	.06	357	.01	714	.05
Other retail trade	36589	.05	18645	.04	15786	.06	1260	.04	898	.05
Finance, insurance & real estate	15691	.05	7268	.04	7502	.05	419	.05	502	.08
Services:										
Personal	5645	.05	1718	.03	3114	.06	267	.03	546	.06
Miscellaneous business	6250	.06	3371	.05	2365	.07	292	.07	222	.07
Repair	4206	.05	3426	.04	459	.05	296	.04	25	.04
Amusement & recreation	2945	.04	1639	.04	1031	.05	189	.04	36	.05
Medical & health	17973	.06	3796	.05	11367	.06	593	.06	2217	.08
Education	23772	.06	7753	.05	13408	.06	755	.04	1856	.06
Private households	6087	.04	442	.02	2929	.05	196	.04	2520	.06
Other miscellaneous	13128	.05	6133	.04	5778	.06	460	.05	757	.06
Federal government	9003	.06	5466	.04	2187	.07	750	.05	600	.06
State government	2777	.06	1601	.06	965	.07	93	.02	118	.07
Local government	5764	.05	3724	.05	1472	.06	359	.03	209	.10
Unknown	3586	.06	1687	.05	1349	.07	314	.04	236	.06
New worker	1286	.03	449	.02	545	.06	101	.01	191	.01
Not in labor force	190968	.08	40409	.08	132675	.07	5007	.11	12877	.11
Total	498580	.06	211255	.05	238584	.07	20993	.06	27748	.09

TABLE 3. THE NUMBER OF INTERVIEWEES CURRENTLY EMPLOYED* AND THE AGE ADJUSTED PROPORTION HAVING ONE OR MORE WORK LOSS DAYS DUE TO HEALTH DURING THE TWO WEEKS PRIOR TO THEIR INTERVIEW BY INDUSTRY, RACE AND SEX, H.I.S. 1969-74

Industry	Total		White				Black			
			Males		Females		Males		Females	
	N	Prop	N	Prop	N	Prop	N	Prop	N	Prop
Agriculture	11413	.04	9017	.04	1491	.04	725	.07	180	.03
Forestry & fisheries	303	.09	250	.07	40	.12	10	.09	3	.00
Mining	1998	.03	1811	.05	120	.02	61	.07	6	.00
Construction	19314	.06	16704	.06	1102	.05	1463	.07	45	.09
Manufacturing:										
Food & kindred products	5735	.07	3673	.06	1414	.07	480	.06	168	.06
Textile mill products	3630	.08	1741	.07	1447	.09	236	.04	206	.09
Apparel & other finished products	5042	.05	1041	.04	3431	.07	98	.10	472	.06
Lumber & wood products	2086	.05	1593	.05	176	.06	295	.06	22	.04
Furniture & fixtures	1750	.07	1147	.06	417	.08	119	.05	67	.03
Printing & publishing	4448	.06	2720	.04	1496	.06	145	.11	87	.09
Chemicals & allied products	3979	.07	2851	.05	821	.09	230	.04	77	.10
Stone, clay & glass products	2201	.07	1599	.06	390	.09	181	.05	31	.08
Primary metal industries	4367	.06	3456	.05	344	.06	544	.06	23	.08
Fabricated metal products	4861	.07	3665	.06	847	.07	287	.04	62	.06
Machinery, except electrical	7752	.07	6212	.06	1195	.06	276	.10	69	.11
Electrical machinery, equipment & supplies	6707	.07	3893	.06	2360	.07	207	.06	247	.09
Transportation equipment	8666	.07	6634	.06	1100	.07	804	.10	128	.11
All other & unspecified	11396	.06	6998	.05	3510	.07	528	.06	360	.09
Railroad transportation	2273	.04	1984	.05	117	.04	162	.04	10	.00
All other transportation	8698	.06	6421	.06	1373	.06	832	.06	72	.06
Communication	4127	.05	2108	.04	1674	.05	104	.04	241	.08
Electric, gas & sanitary services	4067	.06	3171	.06	495	.07	357	.07	44	.01
Wholesale trade	10558	.05	7545	.05	2335	.05	533	.07	145	.06
Eating & drinking places	9318	.05	3074	.04	5310	.06	323	.04	611	.08
Other retail trade	34697	.05	17899	.04	14838	.06	1170	.06	790	.06
Finance, insurance & real estate	15118	.05	7070	.04	7194	.05	396	.06	458	.06
Services:										
Personal	5379	.04	1675	.03	2964	.05	251	.04	489	.06
Miscellaneous business	5848	.06	3225	.04	2167	.06	262	.08	194	.10
Repair	4038	.05	3300	.05	435	.04	281	.06	22	.05
Amusement & recreation	2687	.05	1515	.04	929	.06	171	.03	72	.03
Medical & health	17230	.07	3705	.06	10905	.07	556	.07	2064	.10
Education	22424	.06	7509	.05	12495	.06	715	.05	1705	.07
Private households	5730	.05	417	.04	2773	.04	186	.08	2354	.06
Other miscellaneous	12497	.05	5915	.04	5467	.06	426	.04	689	.06
Federal government	8657	.09	5316	.07	2070	.10	716	.07	555	.08
State government	2701	.07	1572	.07	930	.07	88	.04	111	.07
Local government	5582	.06	3632	.06	1417	.07	344	.06	189	.08
Unknown	2455	.05	1236	.05	884	.06	201	.04	134	.05
New worker	41	.01	19	.01	12	.00	4	.00	6	.00
Total	289773	.06	163313	.05	98485	.06	14767	.06	13208	.08

* THE HEALTH INTERVIEW SURVEY DEFINES A PERSON AS CURRENTLY EMPLOYED IF THAT PERSON IS AT LEAST 17 YEARS OF AGE WHO HAS EITHER A JOB OR BUSINESS AND WAS NOT LOOKING FOR WORK. THIS EXCLUDES CHARITY WORKERS, SEASONAL WORKERS NOT WORKING AND FREE LANCE WORKERS WHO ARE NEITHER WORKING NOR HAVE A DEFINITE ARRANGEMENT WITH AN EMPLOYER.

TABLE 4. THE NUMBER OF INTERVIEWEES AND THE AGE ADJUSTED PROPORTION HAVING ONE OR MORE WC INJURIES BY INDUSTRY, RACE AND SEX, H.I.S. 1969-74

Industry	Total		White				Black		Female	
			Males		Females		Males	Fem		
	N	Prop	N	Prop	N	Prop	N	Prop		
Agriculture	11805	.03	9275	.05	1569	.02	761	.05	200	
Forestry & fisheries	337	.02	274	.05	47	.00	12	.00	4	
Mining	2094	.02	1893	.04	129	.01	66	.03	6	.0
Construction	20644	.02	17815	.05	1172	.00	1610	.05	47	
Manufacturing:										
Food & kindred products	6170	.03	3850	.04	1592	.02	517	.03	211	.0
Textile mill products	3816	.02	1797	.02	1546	.01	242	.02	231	
Apparel & other finished products	5418	.01	1089	.01	3688	.01	107	.02	534	.0
Lumber & wood products	2222	.03	1696	.07	189	.00	310	.08	27	
Furniture & fixtures	1868	.02	1202	.04	462	.01	128	.05	76	
Printing & publishing	4678	.02	2827	.03	1596	.01	152	.01	103	.0
Chemicals & allied products	4147	.02	2920	.03	887	.01	248	.03	92	
Stone, clay & glass products	2317	.02	1667	.04	424	.01	189	.02	37	
Primary metal industries	4630	.05	3637	.04	382	.05	581	.04	30	.0
Fabricated metal products	5120	.03	3823	.04	918	.03	306	.03	73	
Machinery, except electrical	8128	.04	6456	.04	1291	.05	301	.02	80	
Electrical machinery, equipment & supplies	7106	.03	4013	.03	2583	.02	220	.02	290	
Transportation equipment	9241	.02	7001	.03	1211	.01	878	.02	151	
All other & unspecified	12064	.02	7278	.04	3799	.01	560	.03	427	.0
Railroad transportation	2356	.02	2052	.03	123	.00	168	.01	13	
All other transportation	9146	.02	6708	.03	1479	.01	878	.04	81	
Communication	4275	.01	2152	.01	1760	.00	108	.01	255	0
Electric, gas & sanitary services	4173	.01	3235	.03	517	.00	372	.04	49	
Wholesale trade	10993	.02	7781	.03	2484	.00	571	.03	157	
Eating & drinking places	10162	.02	3287	.02	5804	.01	357	.04	714	0
Other retail trade	36589	.02	18645	.03	15786	.01	1260	.03	898	
Finance, insurance & real estate	15691	.01	7268	.02	7502	.01	419	.02	502	
Services:										
Personal	5645	.01	1718	.02	3114	.01	267	.01	546	
Miscellaneous business	6250	.01	3371	.02	2365	.00	292	.05	222	
Repair	4206	.02	3426	.04	459	.01	296	.02	25	0
Amusement & recreation	2945	.02	1639	.02	1031	.01	189	.02	86	
Medical & health	17973	.01	3796	.01	11367	.01	593	.02	2217	
Education	23772	.01	7753	.02	13409	.01	755	.01	1856	0
Private households	6087	.02	442	.04	2929	.01	196	.06	2520	
Other miscellaneous	13128	.01	6133	.01	5778	.01	460	.03	757	
Federal government	9003	.01	5466	.02	2187	.00	750	.03	600	0
State government	2777	.02	1601	.03	965	.01	93	.02	118	
Local government	5764	.02	3724	.03	1472	.01	359	.02	209	
Unknown	3586	.02	1687	.03	1349	.01	314	.03	236	0
New worker	1286	.00	449	.00	545	.00	101	.00	191	
Not in labor force	190968	.02	40409	.05	132675	.00	5007	.05	12877	
Total	498580	.02	211255	.03	238584	.01	20993	.04	27748	0

TABLE 5. THE NUMBER OF INTERVIEWEES AND THE AGE ADJUSTED PROPORTION HAVING FOUR OR MORE DOCTOR VISITS DURING THE 12 MONTHS PRIOR TO THEIR INTERVIEW BY INDUSTRY, RACE AND SEX, H.I.S. 1969-74

Industry	Total		White				Black			
			Males		Females		Males		Females	
	N	Prop	N	Prop	N	Prop	N	Prop	N	Prop
Agriculture	11805	.22	9275	.18	1569	.27	761	.14	200	.21
Forestry & fisheries	337	.30	274	.18	47	.45	12	.08	4	.00
Mining	2094	.26	1893	.22	129	.31	66	.27	6	.25
Construction	20644	.25	17815	.20	1172	.31	1610	.14	47	.33
Manufacturing:										
Food & kindred products	6170	.27	3850	.23	1592	.33	517	.16	211	.25
Textile mill products	3816	.27	1797	.19	1546	.35	242	.18	231	.25
Apparel & other finished products	5418	.29	1089	.22	3688	.34	107	.26	534	.39
Lumber & wood products	2222	.25	1696	.20	189	.32	310	.19	27	.20
Furniture & fixtures	1868	.27	1202	.22	462	.34	128	.13	76	.25
Printing & publishing	4678	.27	2827	.22	1596	.32	152	.19	103	.26
Chemicals & allied products	4147	.30	2920	.21	887	.36	248	.16	92	.45
Stone, clay & glass products	2317	.28	1667	.24	424	.34	189	.17	37	.22
Primary metal industries	4630	.30	3637	.22	382	.38	581	.20	30	.23
Fabricated metal products	5120	.27	3823	.24	918	.30	306	.17	73	.27
Machinery, except electrical	8128	.27	6456	.23	1291	.30	301	.19	80	.42
Electrical machinery, equipment & supplies	7106	.31	4013	.24	2583	.37	220	.36	290	.35
Transportation equipment	9241	.30	7001	.24	1211	.35	878	.25	151	.41
All other & unspecified	12064	.28	7278	.22	3799	.34	560	.20	427	.32
Railroad transportation	2356	.32	2052	.20	123	.41	168	.16	13	.53
All other transportation	9146	.28	6708	.22	1479	.35	878	.20	81	.30
Communication	4275	.26	2152	.19	1760	.33	108	.10	255	.31
Electric, gas & sanitary services	4173	.29	3235	.23	517	.35	372	.16	49	.32
Wholesale trade	10993	.26	7781	.22	2484	.29	571	.20	157	.31
Eating & drinking places	10162	.26	3287	.21	5804	.32	357	.17	714	.33
Other retail trade	36589	.26	18645	.21	15786	.32	1260	.16	898	.28
Finance, insurance & real estate	15691	.27	7268	.22	7502	.33	419	.20	502	.36
Services:										
Personal	5645	.28	1718	.23	3114	.33	267	.19	546	.29
Miscellaneous business	6250	.30	3371	.22	2365	.37	292	.22	222	.32
Repair	4206	.26	3426	.20	459	.32	296	.16	25	.32
Amusement & recreation	2945	.27	1639	.22	1031	.32	189	.21	86	.27
Medical & health	17973	.26	3796	.20	11367	.31	593	.24	2217	.35
Education	23772	.29	7753	.23	13408	.35	755	.20	1856	.35
Private households	6087	.25	442	.20	2929	.30	196	.16	2520	.30
Other miscellaneous	13128	.27	6133	.22	5778	.32	460	.23	757	.33
Federal government	9003	.31	5466	.24	2187	.37	750	.23	600	.46
State government	2777	.29	1601	.24	965	.33	93	.14	118	.54
Local government	5764	.32	3724	.26	1472	.37	359	.23	209	.37
Unknown	3586	.26	1687	.22	1349	.31	314	.15	236	.23
New worker	1286	.35	449	.38	545	.36	101	.02	191	.18
Not in labor force	190968	.38	40409	.36	132675	.40	5007	.36	12877	.44
Total	498580	.31	211255	.24	238584	.37	20993	.23	27748	.39

TABLE 6. THE NUMBER OF INTERVIEWEES AND THE AGE ADJUSTED PROPORTION HAVING ONE OR MORE HOSPITAL EPISODES DURING THE 12 MONTHS PRIOR TO THEIR INTERVIEW BY INDUSTRY, RACE AND SEX, H.I.S. 1969-74

Industry	Total		White				Black			
			Males		Females		Males		Females	
	N	Prop	N	Prop	N	Prop	N	Prop	N	Prop
Agriculture	11805	.10	9275	.08	1569	.12	761	.04	200	.08
Forestry & fisheries	337	.07	274	.05	47	.11	12	.05	4	.00
Mining	2094	.11	1893	.11	129	.12	66	.06	6	.18
Construction	20644	.09	17815	.08	1172	.11	1610	.06	47	.11
Manufacturing:										
Food & kindred products	6170	.11	3850	.10	1592	.12	517	.06	211	.10
Textile mill products	3816	.11	1797	.09	1546	.13	242	.05	231	.13
Apparel & other finished products	5418	.10	1089	.07	3688	.13	107	.05	534	.09
Lumber & wood products	2222	.10	1696	.10	189	.11	310	.07	27	.09
Furniture & fixtures	1868	.12	1202	.08	462	.15	128	.06	76	.15
Printing & publishing	4678	.09	2827	.08	1596	.10	152	.10	103	.10
Chemicals & allied products	4147	.13	2920	.10	887	.16	248	.08	92	.15
Stone, clay & glass products	2317	.13	1667	.10	424	.15	189	.09	37	.27
Primary metal industries	4630	.16	3637	.10	382	.20	581	.10	30	.21
Fabricated metal products	5120	.11	3823	.10	918	.12	306	.08	73	.19
Machinery, except electrical	8128	.10	6456	.08	1291	.11	301	.12	80	.14
Electrical machinery, equipment & supplies	7106	.13	4013	.09	2583	.17	220	.07	290	.13
Transportation equipment	9241	.12	7001	.09	1211	.14	878	.18	151	.16
All other & unspecified	12064	.11	7278	.09	3799	.12	560	.06	427	.13
Railroad transportation	2356	.20	2052	.10	123	.27	168	.08	13	.21
All other transportation	9146	.11	6708	.08	1479	.12	878	.05	81	.17
Communication	4275	.09	2152	.08	1760	.10	108	.08	255	.15
Electric, gas & sanitary services	4173	.12	3235	.09	517	.13	372	.06	49	.25
Wholesale trade	10993	.10	7781	.09	2484	.11	571	.07	157	.12
Eating & drinking places	10162	.10	3287	.09	5804	.12	357	.09	714	.13
Other retail trade	36589	.10	18645	.08	15786	.12	1260	.06	898	.10
Finance, insurance & real estate	15691	.10	7268	.08	7502	.11	419	.06	502	.11
Services:										
Personal	5645	.11	1718	.08	3114	.13	267	.09	546	.10
Miscellaneous business	6250	.10	3371	.08	2365	.12	292	.05	222	.09
Repair	4206	.10	3426	.08	459	.13	296	.06	25	.04
Amusement & recreation	2945	.09	1639	.09	1031	.10	189	.08	86	.14
Medical & health	17973	.12	3796	.10	11367	.14	593	.09	2217	.16
Education	23772	.09	7753	.08	13408	.10	755	.06	1856	.12
Private households	6087	.09	442	.07	2929	.11	196	.04	2520	.10
Other miscellaneous	13128	.10	6133	.08	5778	.11	460	.08	757	.10
Federal government	9003	.10	5466	.09	2187	.12	750	.09	600	.11
State government	2777	.09	1601	.09	965	.10	93	.01	118	.13
Local government	5764	.11	3724	.10	1472	.11	359	.08	209	.12
Unknown	3586	.11	1687	.10	1349	.13	314	.10	236	.10
New worker	1286	.09	449	.14	545	.07	101	.00	191	.06
Not in labor force	190968	.17	40409	.16	132675	.19	5007	.16	12877	.20
Total	498580	.13	211255	.10	238584	.15	20993	.09	27748	.16

TABLE 7. THE NUMBER OF INTERVIEWEES AND THE AGE ADJUSTED PROPORTION HAVING SEVEN OR MORE HOSPITAL DAYS DURING THE 12 MONTHS PRIOR TO THEIR INTERVIEW BY INDUSTRY, RACE AND SEX, H.I.S. 1969-74

Industry	Total		White				Black			
			Males		Females		Males		Females	
	N	Prop	N	Prop	N	Prop	N	Prop	N	Prop
Agriculture	11805	.03	9275	.03	1569	.04	761	.02	200	.02
Forestry & fisheries	337	.02	274	.02	47	.02	12	.00	4	.00
Mining	2094	.04	1893	.04	129	.05	56	.06	6	.02
Construction	20644	.04	17815	.04	1172	.04	1610	.03	47	.05
Manufacturing:										
Food & kindred products	6170	.05	3850	.05	1592	.05	517	.04	211	.04
Textile mill products	3816	.04	1797	.04	1546	.04	242	.03	231	.03
Apparel & other finished products	5418	.05	1089	.04	3623	.05	107	.04	534	.04
Lumber & wood products	2222	.04	1696	.04	189	.03	310	.03	27	.03
Furniture & fixtures	1868	.05	1202	.04	462	.07	128	.02	76	.00
Printing & publishing	4678	.04	2827	.03	1596	.04	152	.08	103	.05
Chemicals & allied products	4147	.06	2920	.04	897	.07	248	.06	92	.05
Stone, clay & glass products	2317	.07	1667	.06	424	.08	189	.06	37	.12
Primary metal industries	4630	.07	2637	.05	392	.09	581	.05	30	.11
Fabricated metal products	5120	.05	3823	.05	918	.04	306	.05	73	.04
Machinery, except electrical	8128	.04	6456	.04	1291	.04	301	.09	80	.05
Electrical machinery, equipment & supplies	7106	.07	4013	.05	2583	.10	220	.04	290	.04
Transportation equipment	9241	.06	7001	.04	1211	.07	878	.13	151	.07
All other & unspecified	12064	.05	7278	.04	3799	.05	560	.03	427	.04
Railroad transportation	2356	.13	2052	.05	123	.17	168	.05	13	.21
All other transportation	9146	.05	6708	.04	1479	.06	878	.03	91	.09
Communication	4275	.03	2152	.03	1760	.03	108	.05	255	.07
Electric, gas & sanitary services	4173	.05	3235	.04	517	.05	372	.03	49	.07
Wholesale trade	10993	.04	7781	.04	2484	.04	571	.04	157	.03
Eating & drinking places	10162	.05	3287	.05	5804	.04	357	.06	714	.05
Other retail trade	36589	.04	18645	.04	15786	.05	1260	.04	898	.05
Finance, insurance & real estate	15691	.04	7268	.04	7502	.04	419	.04	502	.05
Services:										
Personal	5645	.04	1718	.03	3114	.05	267	.06	546	.03
Miscellaneous business	6250	.04	3371	.04	2265	.05	292	.03	222	.04
Repair	4206	.04	3426	.04	459	.04	296	.03	25	.02
Amusement & recreation	2945	.04	1639	.04	1031	.04	189	.04	86	.07
Medical & health	17973	.05	3796	.05	11367	.05	593	.06	2217	.07
Education	23772	.04	7753	.03	13408	.04	755	.02	1856	.04
Private households	6087	.04	442	.04	2929	.04	196	.03	2520	.04
Other miscellaneous	13128	.04	6133	.03	5778	.04	460	.05	757	.05
Federal government	9003	.04	5466	.04	2187	.05	750	.05	600	.04
State government	2777	.04	1601	.04	965	.04	93	.01	118	.06
Local government	5764	.05	3724	.05	1472	.05	359	.06	209	.05
Unknown	2586	.05	1687	.05	1349	.05	314	.03	236	.04
New worker	1286	.02	449	.02	545	.02	101	.00	191	.02
Not in labor force	190968	.09	40409	.11	132675	.07	5007	.12	12877	.09
Total	498580	.06	211255	.05	233584	.06	20993	.06	27748	.07

TABLE 8. INDUSTRY GROUPS IN THE UPPER QUARTILE RANGE WITH RESPECT TO PROPORTIONS HAVING RESTRICTED ACTIVITY, BED DISABILITY, WORK LOSS, WORK INJURIES, DOCTOR VISITS, HOSPITAL EPISODES AND HOSPITAL DAYS, H.I.S. 1969-74

	RESTRICTED ACTIVITY	BED DISABILITY	WORK LOSS	WORK INJURIES	DOCTOR VISITS	HOSPITAL DAYS	HOSPITAL EPISODES
AGRICULTURE				X			
FORESTRY & FISHERIES	X	X	X		X		
MINING				X			
CONSTRUCTION				X			
MANUFACTURING:							
FOOD & KINDRED PRODUCTS				X			
TEXTILE MILL PRODUCTS	X		X				
APPAREL & OTHER FINISHED PRODUCTS							
LUMBER & WOOD PRODUCTS				X			
FURNITURE & FIXTURES	X	X	X	X		X	
PRINTING & PUBLISHING							
CHEMICALS & ALLIED PRODUCTS			X			X	X
STONE, CLAY & GLASS PRODUCTS			X	X		X	X
PRIMARY METAL INDUSTRIES				X	X	X	X
FABRICATED METAL PRODUCTS			X	X			
MACHINERY, EXCEPT ELECTRICAL				X			
ELECTRICAL MACHINERY, EQUIP- MENT & SUPPLIES	X			X	X	X	X
TRANSPORTATION EQUIPMENT	X	X	X		X	X	X
ALL OTHER & UNSPECIFIED							
RAILROAD TRANSPORTATION	X				X	X	X
ALL OTHER TRANSPORTATION		X					X
COMMUNICATION							
ELECTRIC, GAS & SANITARY SERVICES						X	
WHOLESALE TRADE							
EATING & DRINKING PLACES							
OTHER RETAIL TRADE							
FINANCE, INSURANCE & REAL ESTATE							
SERVICES:							
PERSONAL							
MISCELLANEOUS BUSINESS		X			X		
REPAIR							
AMUSEMENT & RECREATION							
MEDICAL & HEALTH	X	X	X			X	X
EDUCATION							
PRIVATE HOUSEHOLDS	X						
OTHER MISCELLANEOUS							
FEDERAL GOVERNMENT	X	X	X		X		
STATE GOVERNMENT		X	X				
LOCAL GOVERNMENT					X		X
UNKNOWN		X					
NEW WORKER					X		
NOT IN LABOR FORCE	X	X			X	X	X

TABLE 9. INDUSTRY GROUPS IN THE LOWER QUARTILE RANGE WITH RESPECT TO PROPORTIONS HAVING RESTRICTED ACTIVITY, BED DISABILITY, WORK LOSS, WORK INJURIES, DOCTOR VISITS, HOSPITAL EPISODES AND HOSPITAL DAYS, H.I.S. 1967-74

	RESTRICTED ACTIVITY	BED DISABILITY	WORK LOSS	WORK INJURIES	DOCTOR VISITS	HOSPITAL EPISODES	HOSPITAL DAYS
AGRICULTURE		X	X		X		X
FORESTRY & FISHERIES						X	X
MINING	X	X	X		X		
CONSTRUCTION					X	X	
MANUFACTURING:							
FOOD & KINDRED PRODUCTS							
TEXTILE MILL PRODUCTS							X
APPAREL & OTHER FINISHED PRODUCTS	X			X			
LUMBER & WOOD PRODUCTS	X	X			X		X
FURNITURE & FIXTURES							
PRINTING & PUBLISHING	X	X				X	
CHEMICALS & ALLIED PRODUCTS							
STONE, CLAY & GLASS PRODUCTS							
PRIMARY METAL INDUSTRIES		X					
FABRICATED METAL PRODUCTS							
MACHINERY, EXCEPT ELECTRICAL							
ELECTRICAL MACHINERY, EQUIP- MENT & SUPPLIES							
TRANSPORTATION EQUIPMENT							
ALL OTHER & UNSPECIFIED							
RAILROAD TRANSPORTATION		X	X				
ALL OTHER TRANSPORTATION							
COMMUNICATION	X	X	X	X	X	X	X
ELECTRIC, GAS & SANITARY SERVICES							
WHOLESALE TRADE					X		
EATING & DRINKING PLACES							
OTHER RETAIL TRADE	X						
FINANCE, INSURANCE & REAL ESTATE	X		X	X			
SERVICES:							
PERSONAL	X		X	X			
MISCELLANEOUS BUSINESS				X			
REPAIR	X		X		X		X
AMUSEMENT & RECREATION		X	X			X	
MEDICAL & HEALTH				X	X		
EDUCATION				X		X	X
PRIVATE HOUSEHOLDS		X	X		X	X	
OTHER MISCELLANEOUS				X		X	X
FEDERAL GOVERNMENT				X			
STATE GOVERNMENT						X	X
LOCAL GOVERNMENT							
UNKNOWN					X		
NEW WORKER	X	X	X	X		X	X
NOT IN LABOR FORCE							

TABLE 10. THE RANKS* OF PROPORTIONS HAVING RESTRICTED ACTIVITY, BED DISABILITY, WORK LOSS, WORK INJURIES, DOCTOR VISITS, HOSPITAL EPISODES AND HOSPITAL DAYS BY INDUSTRY GROUP, H.I.S. 1969-74

	RESTRICTED ACTIVITY	BED DISABILITY	WORK LOSS	WORK INJURIES	DOCTOR VISITS	HOSPITAL EPISODES	HOSPITAL DAYS
AGRICULTURE	11	2.5	4	36	1	15.5	3.5
FORESTRY & FISHERIES	38	39.5	38.5	22.5	32	1	1.5
MINING	1	2.5	2	22.5	8.5	25	13.5
CONSTRUCTION	11	20.5	22	22.5	3	5.5	13.5
MANUFACTURING:							
FOOD & KINDRED PRODUCTS	21.5	20.5	31.5	36	17	25	28
TEXTILE MILL PRODUCTS	30.5	20.5	37	22.5	17	25	13.5
APPAREL & OTHER FINISHED PRODUCTS	11	8.5	11.5	6.5	27.5	15.5	28
LUMBER & WOOD PRODUCTS	3.5	2.5	11.5	36	3	15.5	13.5
FURNITURE & FIXTURES	36.5	38	31.5	22.5	17	32.5	28
PRINTING & PUBLISHING	11	8.5	22	22.5	17	5.5	13.5
CHEMICALS & ALLIED PRODUCTS	21.5	33	31.5	22.5	32	36	34.5
STONE, CLAY & GLASS PRODUCTS	21.5	20.5	31.5	22.5	23.5	36	37
PRIMARY METAL INDUSTRIES	11	8.5	22	40	32	38	37
FABRICATED METAL PRODUCTS	21.5	20.5	31.5	36	17	25	28
MACHINERY, EXCEPT ELECTRICAL	11	8.5	31.5	39	17	15.5	13.5
ELECTRICAL MACHINERY, EQUIPMENT & SUPPLIES	30.5	20.5	31.5	36	35.5	36	37
TRANSPORTATION EQUIPMENT	30.5	33	31.5	22.5	32	32.5	34.5
ALL OTHER & UNSPECIFIED	21.5	20.5	22	22.5	23.5	25	28
RAILROAD TRANSPORTATION	39	8.5	4	22.5	37.5	40	40
ALL OTHER TRANSPORTATION	21.5	33	22	22.5	23.5	25	28
COMMUNICATION	3.5	8.5	11.5	6.5	8.5	5.5	3.5
ELECTRIC, GAS & SANITARY SERVICES	21.5	20.5	22	6.5	27.5	32.5	28
WHOLESALE TRADE	11	20.5	11.5	22.5	8.5	15.5	13.5
EATING & DRINKING PLACES	11	20.5	11.5	22.5	8.5	15.5	28
OTHER RETAIL TRADE	11	20.5	11.5	22.5	8.5	15.5	13.5
FINANCE, INSURANCE & REAL ESTATE	11	20.5	11.5	6.5	17	15.5	13.5
SERVICES:							
PERSONAL	11	20.5	4	6.5	23.5	25	13.5
MISCELLANEOUS BUSINESS	30.5	33	22	6.5	32	15.5	13.5
REPAIR	11	20.5	11.5	22.5	8.5	15.5	13.5
AMUSEMENT & RECREATION	11	8.5	11.5	22.5	17	5.5	13.5
MEDICAL & HEALTH	30.5	33	31.5	6.5	8.5	32.5	28
EDUCATION	30.5	33	22	6.5	27.5	5.5	13.5
PRIVATE HOUSEHOLDS	30.5	8.5	11.5	22.5	3	5.5	13.5
OTHER MISCELLANEOUS	21.5	20.5	11.5	6.5	17	15.5	13.5
FEDERAL GOVERNMENT	36.5	33	38.5	6.5	35.5	15.5	13.5
STATE GOVERNMENT	30.5	33	31.5	22.5	27.5	5.5	13.5
LOCAL GOVERNMENT	30.5	20.5	22	22.5	37.5	25	28
UNKNOWN	30.5	33	11.5	22.5	8.5	25	28
NEW WORKER	2	2.5	1	1	39	5.5	1.5
TOTAL IN LABOR FORCE	40	39.5		22.5	40	39	39

A "1" REPRESENTS THE LOWEST PROPORTION. FOR INDUSTRY GROUPS EXHIBITING THE SAME PROPORTIONS, AVERAGES OF RANKS WERE ASSIGNED.

TABLE 11. THE OBSERVED NUMBERS OF SELECTED CONDITIONS AND THEIR RATIOS TO EXPECTED* FREQUENCIES BY INDUSTRY, RACE, AND SEX, H.I.S. 1969-74

CONDITION	AGRICULTURE									
	WHITE				BLACK				TOTALS	
	MALES		FEMALES		MALES		FEMALES		O	O/E
	O	O/E	O	O/E	O	O/E	O	O/E	O	O/E
INFECTIVE & PARASITIC DISEASES	78	87	17	88	4	73	0	0	99	86
ALL NEOPLASMS	54	107	7	71	2	126	1	75	64	103
ENDOCRINE, NUTRITIONAL, METABOLIC & BLOOD DISORDERS	119	83	34	91	4	40	8	138	165	84
MENTAL & NERVOUS SYSTEM DISORDERS	172	123	35	88	9	84	7	154	227	116
DISEASES OF:										
EYE & EAR	105	76	11	77	5	62	2	119	123	76
CIRCULATORY SYSTEM	679	95	121	107	67	128	18	95	885	99
RESPIRATORY SYSTEM	867	98	158	90	46	91	11	60	1082	96
DIGESTIVE SYSTEM	195	132	20	105	25	148	7	221	247	133
SKIN & SUBCUTANEOUS TISSUE	238	91	74	110	32	123	21	197	365	100
MUSCULOSKELETAL SYSTEM & CONNECTIVE TISSUE	693	144	104	109	71	160	29	226	897	142
GENITO-URINARY DISORDERS, PREGNANCY & CHILDBIRTH	117	120	53	103	18	216	8	123	195	120
CONGENITAL ANOMALIES & CAUSES OF PERINATAL MORBIDITY	8	61	1	32	0	0	1	1064	10	59
SYMPTOMS & ILL DEFINED CONDITIONS	202	155	21	113	27	160	5	150	255	152
INJURIES	266	106	32	90	19	91	1	23	318	102

* EXPECTED FREQUENCIES ARE BASED ON ALL PERSONS IN THE 1969-74 H.I.S. SAMPLES WHO WERE IN THE LABOR FORCE.

TABLE 11. THE OBSERVED NUMBERS OF SELECTED CONDITIONS AND THEIR RATIOS TO EXPECTED* FREQUENCIES BY INDUSTRY, RACE, AND SEX, H.I.S. 1969-74 (CONTINUED)

CONDITION	FORESTRY & FISHERIES									
	WHITE				BLACK				TOTALS	
	MALES		FEMALES		MALES		FEMALES		O	O/E
	O	O/E	O	O/E	O	O/E	O	O/E	O	O/E
INFECTIVE & PARASITIC DISEASES	0	0	0	0	0	0	0	0	0	0
ALL NEOPLASMS	1	88	0	0	0	0	0	0	1	50
ENDOCRINE, NUTRITIONAL, METABOLIC & BLOOD DISORDERS	3	90	1	93	0	0	0	0	4	80
MENTAL & NERVOUS SYSTEM DISORDERS	3	79	0	0	0	0	0	0	3	60
DISEASES OF:										
EYE & EAR	4	111	0	0	0	0	0	0	4	100
CIRCULATORY SYSTEM	9	56	3	99	0	0	0	0	12	63
RESPIRATORY SYSTEM	24	93	3	57	1	135	1	275	29	94
DIGESTIVE SYSTEM	4	107	0	0	1	508	0	0	5	125
SKIN & SUBCUTANEOUS TISSUE	5	67	2	102	0	0	0	0	7	78
MUSCULOSKELETAL SYSTEM & CONNECTIVE TISSUE	9	81	1	40	0	0	0	0	10	71
GENITO-URINARY DISORDERS, PREGNANCY & CHILDBIRTH	2	87	1	62	0	0	0	0	3	75
CONGENITAL ANOMALIES & CAUSES OF PERINATAL MORBIDITY	2	496	0	0	0	0	0	0	2	200
SYMPTOMS & ILL DEFINED CONDITIONS	4	139	0	0	0	0	0	0	4	133
INJURIES	7	92	0	0	1	297	0	0	8	89

* EXPECTED FREQUENCIES ARE BASED ON ALL PERSONS IN THE 1969-74 H.I.S. SAMPLES WHO WERE IN THE LABOR FORCE.

TABLE 11. THE OBSERVED NUMBERS OF SELECTED CONDITIONS AND THEIR RATIOS TO EXPECTED* FREQUENCIES BY INDUSTRY, RACE, AND SEX, H.I.S. 1969-74 (CONTINUED)

CONDITION	MINING									
	WHITE				BLACK				TOTALS	
	MALES		FEMALES		MALES		FEMALES		O	O/F
	O	O/E	O	O/E	O	O/E	O	O/E	O	O/F
INFECTIVE & PARASITIC DISEASES	15	78	0	0	0	0	0	0	15	71
ALL NEOPLASMS	7	88	0	0	2	1613	0	0	9	113
ENDOCRINE, NUTRITIONAL, METABOLIC & BLOOD DISORDERS	11	47	2	70	1	140	0	0	14	54
MENTAL & NERVOUS SYSTEM DISORDERS	16	59	3	96	0	0	1	704	20	67
DISEASES OF:										
EYE & EAR	26	107	1	108	1	204	0	0	28	112
CIRCULATORY SYSTEM	112	101	10	134	4	117	0	0	126	103
RESPIRATORY SYSTEM	178	100	9	61	7	166	1	178	195	99
DIGESTIVE SYSTEM	26	100	0	0	2	172	0	0	28	100
SKIN & SUBCUTANEOUS TISSUE	39	76	1	19	4	201	0	0	44	76
MUSCULOSKELETAL SYSTEM & CONNECTIVE TISSUE	75	96	5	85	2	78	1	212	83	97
GENITO-URINARY DISORDERS, PREGNANCY & CHILD BIRTH	23	146	2	43	3	519	0	0	28	140
CONGENITAL ANOMALIES & CAUSES OF PERINATAL MORBIDITY	2	78	0	0	0	0	0	0	2	67
SYMPTOMS & ILL DEFINED CONDITIONS	13	72	1	74	1	108	0	0	15	79
INJURIES	69	134	0	0	2	109	1	763	72	131

* EXPECTED FREQUENCIES ARE BASED ON ALL PERSONS IN THE 1969-74 H.I.S. SAMPLES WHO WERE IN THE LABOR FORCE.

TABLE 11. THE OBSERVED NUMBERS OF SELECTED CONDITIONS AND THEIR RATIOS TO EXPECTED* FREQUENCIES BY INDUSTRY, RACE, AND SEX, H.I.S. 1969-74 (CONTINUED)

CONDITION	CONSTRUCTION									
	WHITE				BLACK				TOTALS	
	MALES		FEMALES		MALES		FEMALES		O	O/E
	O	O/E	O	O/E	O	O/E	O	O/E	O	O/E
INFECTIVE & PARASITIC DISEASES	168	92	19	126	5	40	0	0	192	91
ALL NEOPLASMS	73	98	7	99	0	0	0	0	80	94
ENDOCRINE, NUTRITIONAL, METABOLIC & BLOOD DISORDERS	194	88	24	90	9	49	1	79	228	86
MENTAL & NERVOUS SYSTEM DISORDERS	223	89	25	86	24	126	2	186	274	92
DISEASES OF:										
EYE & EAR	176	76	11	117	18	142	1	265	206	81
CIRCULATORY SYSTEM	937	90	74	99	73	82	1	25	1085	89
RESPIRATORY SYSTEM	1504	89	144	109	95	92	8	180	1751	91
DIGESTIVE SYSTEM	229	94	19	141	33	112	1	134	282	98
SKIN & SUBCUTANEOUS TISSUE	404	83	51	105	44	88	3	125	502	86
MUSCULOSKELETAL SYSTEM & CONNECTIVE TISSUE	767	105	63	102	70	103	1	39	901	105
GENITO-URINARY DISORDERS, PREGNANCY & CHILDBIRTH	146	99	33	82	11	75	1	60	191	94
CONGENITAL ANOMALIES & CAUSES OF PERINATAL MORBIDITY	20	78	2	83	0	0	0	0	22	76
SYMPTOMS & ILL DEFINED CONDITIONS	154	87	13	100	28	117	1	130	196	92
INJURIES	523	106	31	118	53	118	1	92	608	108

* EXPECTED FREQUENCIES ARE BASED ON ALL PERSONS IN THE 1969-74 H.I.S. SAMPLES WHO WERE IN THE LABOR FORCE.

TABLE 11. THE OBSERVED NUMBERS OF SELECTED CONDITIONS AND THEIR RATIOS TO EXPECTED* FREQUENCIES BY INDUSTRY, RACE, AND SEX, H.I.S. 1969-74 (CONTINUED)

CONDITION	MANUFACTURING: FOOD & KINDRED PRODUCTS									
	WHITE				BLACK				TOTALS	
	MALES		FEMALES		MALES		FEMALES		O	O/E
	O	O/E	O	O/E	O	O/E	O	O/E	O	O/E
INFECTIVE & PARASITIC DISEASES	36	92	17	83	3	74	0	0	56	86
ALL NEOPLASMS	15	92	4	41	1	104	0	0	20	74
ENDOCRINE, NUTRITIONAL, METABOLIC & BLOOD DISORDERS	44	91	31	85	2	39	4	75	81	85
MENTAL & NERVOUS SYSTEM DISORDERS	50	92	35	88	7	122	4	86	96	93
DISEASES OF:										
EYE & EAR	48	96	13	102	5	139	0	0	66	100
CIRCULATORY SYSTEM	189	83	85	82	20	83	12	78	306	83
RESPIRATORY SYSTEM	369	102	173	96	34	105	21	104	597	101
DIGESTIVE SYSTEM	45	85	27	146	6	70	3	85	81	98
SKIN & SUBCUTANEOUS TISSUE	107	102	71	107	9	61	9	88	196	101
MUSCULOSKELETAL SYSTEM & CONNECTIVE TISSUE	164	103	77	90	16	92	8	93	265	98
GENITO-URINARY DISORDERS, PREGNANCY & CHILDBIRTH	35	109	50	92	2	48	5	61	92	93
CONGENITAL ANOMALIES & CAUSES OF PERINATAL MORBIDITY	5	92	4	123	1	204	0	0	10	111
SYMPTOMS & ILL DEFINED CONDITIONS	37	99	24	137	8	116	4	131	73	114
INJURIES	103	98	41	115	22	151	6	117	172	108

* EXPECTED FREQUENCIES ARE BASED ON ALL PERSONS IN THE 1969-74 H.I.S. SAMPLES WHO WERE IN THE LABOR FORCE.

TABLE 11. THE OBSERVED NUMBERS OF SELECTED CONDITIONS AND THEIR RATIOS TO EXPECTED* FREQUENCIES BY INDUSTRY, RACE, AND SEX, H.I.S. 1969-74 (CONTINUED)

MANUFACTURING: TEXTILE MILL PRODUCTS										
CONDITION	WHITE				BLACK				TOTALS	
	MALES		FEMALES		MALES		FEMALES		O	O/E
	O	O/E	O	O/E	O	O/E	O	O/E	O	O/E
INFECTIVE & PARASITIC DISEASES	14	77	15	76	1	53	3	157	33	83
ALL NEOPLASMS	7	89	10	105	0	0	0	0	17	94
ENDOCRINE, NUTRITIONAL, METABOLIC & BLOOD DISORDERS	25	108	23	64	1	46	5	93	54	82
MENTAL & NERVOUS SYSTEM DISORDERS	32	124	44	113	3	115	8	167	87	124
DISEASES OF:										
EYE & EAR	17	72	12	96	1	62	0	0	30	79
CIRCULATORY SYSTEM	99	89	78	76	7	69	13	94	197	83
RESPIRATORY SYSTEM	160	95	154	88	18	120	21	96	353	93
DIGESTIVE SYSTEM	30	119	16	89	3	79	2	51	51	102
SKIN & SUBCUTANEOUS TISSUE	70	143	68	105	7	108	11	108	156	120
MUSCULOSKELETAL SYSTEM & CONNECTIVE TISSUE	78	101	97	114	9	127	2	29	186	106
GENITO-URINARY DISORDERS, PREGNANCY & CHILDBIRTH	17	111	71	135	1	55	7	72	96	123
CONGENITAL ANOMALIES & CAUSES OF PERINATAL MORBIDITY	3	118	3	96	0	0	0	0	6	100
SYMPTOMS & ILL DEFINED CONDITIONS	20	112	19	112	4	127	4	126	47	115
INJURIES	48	98	35	101	0	0	5	90	88	93

* EXPECTED FREQUENCIES ARE BASED ON ALL PERSONS IN THE 1969-74 H.I.S. SAMPLES WHO WERE IN THE LABOR FORCE.

TABLE 11. THE OBSERVED NUMBERS OF SELECTED CONDITIONS AND THEIR RATIOS TO EXPECTED* FREQUENCIES BY INDUSTRY, RACE, AND SEX, H.I.S. 1969-74 (CONTINUED)

MANUFACTURING: APPAREL & OTHER FINISHED PRODUCTS										
CONDITION	WHITE				BLACK				TOTALS	
	MALES		FEMALES		MALES		FEMALES		0	C/E
	O	O/E	O	O/E	O	O/E	O	O/E	O	C/E
INFECTIVE & PARASITIC DISEASES	6	55	39	84	2	239	6	138	53	87
ALL NEOPLASMS	3	59	15	66	0	0	2	59	20	65
ENDOCRINE, NUTRITIONAL, METABOLIC & BLOOD DISORDERS	14	95	71	83	0	0	12	87	97	85
MENTAL & NERVOUS SYSTEM DISORDERS	9	57	103	111	0	0	9	77	121	101
DISEASES OF:										
EYE & EAR	10	68	27	88	1	136	2	58	40	83
CIRCULATORY SYSTEM	63	88	245	99	2	42	35	88	345	95
RESPIRATORY SYSTEM	98	95	339	82	3	45	39	77	479	84
DIGESTIVE SYSTEM	14	88	36	83	0	0	8	90	58	85
SKIN & SUBCUTANEOUS TISSUE	25	83	171	110	2	67	28	107	226	106
MUSCULOSKELETAL SYSTEM & CONNECTIVE TISSUE	51	103	222	107	1	29	18	79	292	104
GENITO-URINARY DISORDERS, PREGNANCY & CHILDBIRTH	6	61	116	93	1	118	24	118	147	95
CONGENITAL ANOMALIES & CAUSES OF PERINATAL MORBIDITY	2	131	2	27	0	0	0	0	4	44
SYMPTOMS & ILL DEFINED CONDITIONS	9	75	44	107	2	139	10	128	65	105
INJURIES	24	81	78	94	2	66	8	63	112	88

* EXPECTED FREQUENCIES ARE BASED ON ALL PERSONS IN THE 1969-74 H.I.S. SAMPLES WHO WERE IN THE LABOR FORCE.

TABLE 11. THE OBSERVED NUMBERS OF SELECTED CONDITIONS AND THEIR RATIOS TO EXPECTED* FREQUENCIES BY INDUSTRY, RACE, AND SEX, H.I.S., 1969-74 (CONTINUED)

CONDITION	MANUFACTURING: LUMBER & WOOD PRODUCTS									
	WHITE				BLACK				TOTALS	
	MALES		FEMALES		MALES		FEMALES		O	O/E
	O	O/E	O	O/E	O	O/E	O	O/E	O	O/E
INFECTIVE & PARASITIC DISEASES	8	46	2	81	4	165	0	0	14	64
ALL NEOPLASMS	4	57	0	0	2	337	0	0	6	67
ENDOCRINE, NUTRITIONAL, METABOLIC & BLOOD DISORDERS	14	67	6	141	1	31	0	0	21	75
MENTAL & NERVOUS SYSTEM DISORDERS	22	93	5	107	4	114	1	170	32	103
DISEASES OF:										
EYE & EAR	21	96	0	0	1	45	0	0	22	88
CIRCULATORY SYSTEM	33	84	10	87	12	78	1	48	106	83
RESPIRATORY SYSTEM	136	85	21	98	8	41	0	0	165	82
DIGESTIVE SYSTEM	27	117	2	94	5	94	0	0	34	110
SKIN & SUBCUTANEOUS TISSUE	48	104	5	65	12	132	2	149	67	105
MUSCULOSKELETAL SYSTEM & CONNECTIVE TISSUE	79	115	7	76	15	132	0	0	101	112
GENITO-URINARY DISORDERS, PREGNANCY & CHILDBIRTH	9	64	4	60	7	268	0	0	20	87
CONGENITAL ANOMALIES & CAUSES OF PERINATAL MORBIDITY	2	81	0	0	0	0	0	0	2	67
SYMPTOMS & ILL DEFINED CONDITIONS	22	131	2	99	2	47	0	0	26	113
INJURIES	65	138	4	95	12	138	2	319	83	141

* EXPECTED FREQUENCIES ARE BASED ON ALL PERSONS IN THE 1969-74 H.I.S. SAMPLES WHO WERE IN THE LABOR FORCE.

TABLE 11. THE OBSERVED NUMBERS OF SELECTED CONDITIONS AND THEIR RATIOS TO EXPECTED* FREQUENCIES BY INDUSTRY, RACE, AND SEX, H.I.S. 1969-74 (CONTINUED)

CONDITION	MANUFACTURING: FURNITURE & FIXTURES									
	WHITE				BLACK				TOTALS	
	MALES		FEMALES		MALES		FEMALES		O	O/E
	O	O/E	O	O/E	O	O/E	O	O/E	O	O/E
INFECTIVE & PARASITIC DISEASES	11	89	8	133	2	202	1	157	22	116
ALL NEOPLASMS	6	123	3	110	0	0	0	0	9	129
ENDOCRINE, NUTRITIONAL, METABOLIC & BLOOD DISORDERS	14	96	9	87	3	250	3	158	29	107
MENTAL & NERVOUS SYSTEM DISORDERS	18	108	12	106	1	69	1	59	32	107
DISEASES OF:										
EYE & EAR	15	97	3	84	0	0	0	0	18	95
CIRCULATORY SYSTEM	77	112	38	133	5	87	2	37	122	114
RESPIRATORY SYSTEM	107	94	57	109	9	112	6	82	179	99
DIGESTIVE SYSTEM	18	111	2	38	5	235	1	79	26	104
SKIN & SUBCUTANEOUS TISSUE	47	143	18	95	7	197	5	136	77	133
MUSCULOSKELETAL SYSTEM & CONNECTIVE TISSUE	41	86	16	69	4	95	2	69	63	82
GENITO-URINARY DISORDERS, PREGNANCY & CHILD BIRTH	12	124	18	112	0	0	2	67	32	110
CONGENITAL ANOMALIES & CAUSES OF PERINATAL MORBIDITY	2	112	0	0	0	0	0	0	2	100
SYMPTOMS & ILL DEFINED CONDITIONS	20	173	10	198	2	107	0	0	32	168
INJURIES	33	99	14	136	2	55	3	160	52	108

* EXPECTED FREQUENCIES ARE BASED ON ALL PERSONS IN THE 1969-74 H.I.S. SAMPLES WHO WERE IN THE LABOR FORCE.

TABLE 11. THE OBSERVED NUMBERS OF SELECTED CONDITIONS AND THEIR RATIOS TO EXPECTED* FREQUENCIES BY INDUSTRY, RACE, AND SEX, H.I.S. 1969-74 (CONTINUED)

CONDITION	MANUFACTURING: PRINTING & PUBLISHING									
	WHITE				BLACK				TOTALS	
	MALES		FEMALES		MALES		FEMALES		O	O/E
	O	O/E	O	O/E	O	O/E	O	O/E	O	O/E
INFECTIVE & PARASITIC DISEASES	25	86	18	87	1	84	0	0	44	88
ALL NEOPLASMS	10	84	6	64	1	369	0	0	17	81
ENDOCRINE, NUTRITIONAL, METABOLIC & BLOOD DISORDERS	46	132	44	122	2	142	6	248	98	134
MENTAL & NERVOUS SYSTEM DISORDERS	43	109	30	77	1	60	2	93	76	94
DISEASES OF:										
EYE & EAR	50	135	7	54	0	0	0	0	57	112
CIRCULATORY SYSTEM	177	106	115	114	9	135	4	63	305	109
RESPIRATORY SYSTEM	244	91	159	89	3	32	7	72	413	89
DIGESTIVE SYSTEM	30	77	23	125	0	0	2	116	55	92
SKIN & SUBCUTANEOUS TISSUE	112	145	70	106	6	144	5	109	193	128
MUSCULOSKELETAL SYSTEM & CONNECTIVE TISSUE	116	100	86	104	5	105	2	62	209	102
GENITO-URINARY DISORDERS, PREGNANCY & CHILD BIRTH	24	101	36	65	0	0	6	139	66	79
CONGENITAL ANOMALIES & CAUSES OF PERINATAL MORBIDITY	9	221	3	91	0	0	0	0	12	150
SYMPTOMS & ILL DEFINED CONDITIONS	18	61	14	79	1	48	2	139	35	70
INJURIES	65	83	49	137	6	140	2	81	122	102

* EXPECTED FREQUENCIES ARE BASED ON ALL PERSONS IN THE 1969-74 H.I.S. SAMPLES WHO WERE IN THE LABOR FORCE.

TABLE 11. THE OBSERVED NUMBERS OF SELECTED CONDITIONS AND THEIR RATIOS TO EXPECTED* FREQUENCIES BY INDUSTRY, RACE, AND SEX, H.I.S. 1969-74 (CONTINUED)

CONDITION	MANUFACTURING: CHEMICAL & ALLIED PRODUCTS									
	WHITE				BLACK				TOTALS	
	MALES		FEMALES		MALES		FEMALES		C	C/E
	O	O/E	O	O/E	O	O/E	O	O/E	C	C/E
INFECTIVE & PARASITIC DISEASES	37	125	16	139	4	204	0	0	57	136
ALL NEOPLASMS	22	179	9	170	0	0	0	0	31	172
ENDOCRINE, NUTRITIONAL, METABOLIC & BLOOD DISORDERS	33	91	14	70	3	118	2	90	52	85
MENTAL & NERVOUS SYSTEM DISORDERS	36	86	20	92	1	37	2	100	59	89
DISEASES OF:										
EYE & EAR	36	96	4	58	4	236	1	188	45	100
CIRCULATORY SYSTEM	168	97	45	81	12	101	3	50	228	93
RESPIRATORY SYSTEM	291	106	114	114	13	83	5	57	423	107
DIGESTIVE SYSTEM	34	85	14	138	2	48	0	0	50	89
SKIN & SUBCUTANEOUS TISSUE	93	118	36	98	10	139	2	47	141	112
MUSCULOSKELETAL SYSTEM & CONNECTIVE TISSUE	94	77	46	101	7	82	3	96	150	84
GENITO-URINARY DISORDERS, PREGNANCY & CHILDBIRTH	29	120	18	59	4	196	6	160	57	95
CONGENITAL ANOMALIES & CAUSES OF PERINATAL MORTALITY	5	127	1	55	0	0	0	0	6	120
SYMPTOMS & ILL DEFINED CONDITIONS	23	85	14	145	4	127	2	155	43	105
INJURIES	82	104	15	76	6	86	4	177	107	100

* EXPECTED FREQUENCIES ARE BASED ON ALL PERSONS IN THE 1969-74 H.I.S. SAMPLES WHO WERE IN THE LABOR FORCE.

TABLE 11. THE OBSERVED NUMBERS OF SELECTED CONDITIONS AND THEIR RATIOS TO EXPECTED* FREQUENCIES BY INDUSTRY, RACE, AND SEX, H.I.S. 1969-74 (CONTINUED)

CONDITION	MANUFACTURING: STONE, CLAY & GLASS PRODUCTS									
	WHITE				BLACK				TOTALS	
	MALES		FEMALES		MALES		FEMALES			
O	O/E	O	O/E	O	O/E	O	O/E	O	O/E	
INFECTIVE & PARASITIC DISEASES	12	71	6	109	2	135	0	0	20	87
ALL NEOPLASMS	3	42	2	78	1	272	1	448	7	70
ENDOCRINE, NUTRITIONAL, METABOLIC & BLOOD DISORDERS	20	95	14	145	0	0	0	0	34	106
MENTAL & NERVOUS SYSTEM DISORDERS	21	88	15	143	4	185	0	0	40	111
DISEASES OF:										
EYE & EAR	25	117	1	31	1	71	0	0	27	104
CIRCULATORY SYSTEM	92	92	32	120	9	91	2	78	135	99
RESPIRATORY SYSTEM	129	82	45	94	7	58	5	144	186	85
DIGESTIVE SYSTEM	23	100	8	165	3	90	0	0	34	110
SKIN & SUBCUTANEOUS TISSUE	33	73	19	108	3	52	2	116	57	83
MUSCULOSKELETAL SYSTEM & CONNECTIVE TISSUE	72	103	26	120	11	147	2	138	111	112
GENITO-URINARY DISORDERS, PREGNANCY & CHILDBIRTH	15	108	13	88	1	60	1	68	30	100
CONGENITAL ANOMALIES & CAUSES OF PERINATAL MORBIDITY	2	87	0	0	0	0	0	0	2	67
SYMPTOMS & ILL DEFINED CONDITIONS	11	70	7	153	2	76	0	0	20	91
INJURIES	59	130	20	211	8	152	0	0	87	145

* EXPECTED FREQUENCIES ARE BASED ON ALL PERSONS IN THE 1969-74 H.I.S. SAMPLES WHO WERE IN THE LABOR FORCE.

TABLE 11. THE OBSERVED NUMBERS OF SELECTED CONDITIONS AND THEIR RATIOS TO EXPECTED* FREQUENCIES BY INDUSTRY, RACE, AND SEX, H.I.S. 1969-74 (CONTINUED)

CONDITION	MANUFACTURING: PRIMARY METAL INDUSTRIES									
	WHITE				BLACK				TOTALS	
	MALES		FEMALES		MALES		FEMALES		O	O/E
	O	O/E	O	O/E	O	O/E	O	O/E	O	O/E
INFECTIVE & PARASITIC DISEASES	30	82	8	159	1	22	0	0	39	85
ALL NEOPLASMS	24	149	4	180	0	0	1	521	29	145
ENDOCRINE, NUTRITIONAL, METABOLIC & BLOOD DISORDERS	46	97	8	94	4	60	0	0	58	94
MENTAL & NERVOUS SYSTEM DISORDERS	49	93	9	97	1	15	0	0	59	87
DISEASES OF:										
EYE & EAR	44	94	1	35	3	71	0	0	48	91
CIRCULATORY SYSTEM	234	103	21	92	38	121	1	46	294	104
RESPIRATORY SYSTEM	319	93	47	109	41	111	3	104	410	97
DIGESTIVE SYSTEM	45	88	4	93	6	58	4	798	59	89
SKIN & SUBCUTANEOUS TISSUE	81	82	13	83	20	112	2	137	116	88
MUSCULOSKELETAL SYSTEM & CONNECTIVE TISSUE	166	105	13	70	27	116	2	168	208	103
GENITO-URINARY DISORDERS, PREGNANCY & CHILD BIRTH	20	55	11	82	6	118	2	172	39	78
CONGENITAL ANOMALIES & CAUSES OF PERINATAL MORBIDITY	2	40	2	252	1	237	0	0	5	100
SYMPTOMS & ILL DEFINED CONDITIONS	32	94	3	73	7	92	0	0	42	91
INJURIES	127	129	11	129	26	161	1	136	165	134

* EXPECTED FREQUENCIES ARE BASED ON ALL PERSONS IN THE 1969-74 H.I.S. SAMPLES WHO WERE IN THE LABOR FORCE.

TABLE 11. THE OBSERVED NUMBERS OF SELECTED CONDITIONS AND THEIR RATIOS TO EXPECTED* FREQUENCIES BY INDUSTRY, RACE, AND SEX, H.I.S. 1969-74 (CONTINUED)

MANUFACTURING: FABRICATED METAL PRODUCTS										
CONDITION	WHITE				BLACK				TOTALS	
	MALES		FEMALES		MALES		FEMALES		O	O/E
	O	O/E	O	O/E	O	O/E	O	O/E		
INFECTIVE & PARASITIC DISEASES	40	102	12	101	2	83	1	166	55	104
ALL NEOPLASMS	20	125	7	127	1	181	0	0	28	127
ENDOCRINE, NUTRITIONAL, METABOLIC & BLOOD DISORDERS	45	94	21	101	1	33	1	52	68	94
MENTAL & NERVOUS SYSTEM DISORDERS	55	102	26	114	6	179	3	182	90	111
DISEASES OF:										
EYE & EAR	46	94	7	97	1	47	1	208	55	93
CIRCULATORY SYSTEM	207	92	52	89	10	79	6	105	275	91
RESPIRATORY SYSTEM	395	110	80	77	20	104	2	29	497	102
DIGESTIVE SYSTEM	57	108	15	142	3	59	0	0	75	109
SKIN & SUBCUTANEOUS TISSUE	132	127	42	110	9	103	1	27	184	120
MUSCULOSKELETAL SYSTEM & CONNECTIVE TISSUE	157	99	53	111	12	116	3	92	225	103
GENITO-URINARY DISORDERS, PREGNANCY & CHILDBIRTH	25	79	37	116	2	80	2	74	66	99
CONGENITAL ANOMALIES & CAUSES OF PERINATAL MORBIDITY	2	37	0	0	2	772	0	0	4	57
SYMPTOMS & ILL DEFINED CONDITIONS	21	58	15	150	1	25	0	0	37	73
INJURIES	119	114	26	127	14	163	2	112	161	120

* EXPECTED FREQUENCIES ARE BASED ON ALL PERSONS IN THE 1969-74 H.I.S. SAMPLES WHO WERE IN THE LABOR FORCE.

TABLE 11. THE OBSERVED NUMBERS OF SELECTED CONDITIONS AND THEIR RATIOS TO EXPECTED* FREQUENCIES BY INDUSTRY, RACE, AND SEX, H.I.S. 1969-74 (CONTINUED)

CONDITION	MANUFACTURING: MACHINERY, EXCEPT ELECTRICAL									
	WHITE				BLACK				TOTALS	
	MALES		FEMALES		MALES		FEMALES			
	O	O/E	O	O/E	O	O/E	O	O/E	O	O/E
INFECTIVE & PARASITIC DISEASES	74	112	19	111	2	84	1	152	96	113
ALL NEOPLASMS	19	71	8	107	1	191	0	0	28	82
ENDOCRINE, NUTRITIONAL, METABOLIC & BLOOD DISORDERS	69	86	30	105	3	104	1	50	103	92
MENTAL & NERVOUS SYSTEM DISORDERS	75	82	31	99	3	92	1	58	110	87
DISEASES OF:										
EYE & EAR	81	98	10	105	2	97	0	0	93	99
CIRCULATORY SYSTEM	382	101	66	87	15	111	5	90	468	99
RESPIRATORY SYSTEM	609	100	146	100	23	121	8	105	786	101
DIGESTIVE SYSTEM	87	99	9	63	6	123	1	75	103	95
SKIN & SUBCUTANEOUS TISSUE	187	107	57	109	6	71	5	131	255	107
MUSCULOSKELETAL SYSTEM & CONNECTIVE TISSUE	231	87	51	84	6	62	4	130	292	86
GENITO-URINARY DISORDERS, PREGNANCY & CHILDBIRTH	40	75	52	113	0	0	3	95	95	91
CONGENITAL ANOMALIES & CAUSES OF PERINATAL MORBIDITY	6	68	3	111	1	376	0	0	10	91
SYMPTOMS & ILL DEFINED CONDITIONS	59	97	13	95	2	51	0	0	74	95
INJURIES	188	107	28	98	9	106	5	260	230	108

* EXPECTED FREQUENCIES ARE BASED ON ALL PERSONS IN THE 1969-74 H.I.S. SAMPLES WHO WERE IN THE LABOR FORCE.

TABLE 11. THE OBSERVED NUMBERS OF SELECTED CONDITIONS AND THEIR RATIOS TO EXPECTED* FREQUENCIES BY INDUSTRY, RACE, AND SEX, H.I.S. 1969-74 (CONTINUED)

CONDITION	MANUFACTURING: ELECTRICAL MACHINERY, EQUIPMENT & SUPPLIES									
	WHITE				BLACK				TOTALS	
	MALES		FEMALES		MALES		FEMALES		O	O/E
	O	O/E	O	O/E	O	O/E	O	O/E	O	O/E
INFECTIVE & PARASITIC DISEASES	51	124	32	95	0	0	3	120	86	110
ALL NEOPLASMS	16	99	24	156	0	0	6	328	46	139
ENDOCRINE, NUTRITIONAL, METABOLIC & BLOOD DISORDERS	53	110	56	97	4	223	2	29	115	102
MENTAL & NERVOUS SYSTEM DISORDERS	59	105	71	112	1	44	7	109	138	108
DISEASES OF:										
EYE & EAR	60	118	16	82	2	145	2	118	80	111
CIRCULATORY SYSTEM	233	103	135	85	10	121	14	73	392	95
RESPIRATORY SYSTEM	409	108	288	98	12	88	34	121	743	105
DIGESTIVE SYSTEM	51	95	28	96	2	61	5	102	86	96
SKIN & SUBCUTANEOUS TISSUE	120	111	113	106	8	140	14	102	255	109
MUSCULOSKELETAL SYSTEM & CONNECTIVE TISSUE	146	91	128	100	7	126	6	63	287	95
GENITO-URINARY DISORDERS, PREGNANCY & CHILD BIRTH	36	111	107	118	1	63	11	93	155	115
CONGENITAL ANOMALIES & CAUSES OF PERINATAL MORBIDITY	10	182	6	112	0	0	0	0	16	145
SYMPTOMS & ILL DEFINED CONDITIONS	30	81	27	98	1	37	3	73	61	86
INJURIES	123	112	64	111	9	144	8	108	204	113

* EXPECTED FREQUENCIES ARE BASED ON ALL PERSONS IN THE 1969-74 H.I.S. SAMPLES WHO WERE IN THE LABOR FORCE.

TABLE 11. THE OBSERVED NUMBERS OF SELECTED CONDITIONS AND THEIR RATIOS TO EXPECTED* FREQUENCIES BY INDUSTRY, RACE, AND SEX, H.I.S. 1969-74 (CONTINUED)

CONDITION	MANUFACTURING: TRANSPORTATION EQUIPMENT									
	WHITE				BLACK				TOTALS	
	MALES		FEMALES		MALES		FEMALES		O	O/E
	O	O/E	O	O/E	O	O/E	O	O/E	O	O/E
INFECTIVE & PARASITIC DISEASES	66	93	12	77	3	43	1	79	82	87
ALL NEOPLASMS	33	113	15	203	2	123	0	0	50	132
ENDOCRINE, NUTRITIONAL, METABOLIC & BLOOD DISORDERS	85	98	32	116	10	113	4	108	131	104
MENTAL & NERVOUS SYSTEM DISORDERS	98	98	28	93	6	63	1	31	133	94
DISEASES OF:										
EYE & EAR	78	87	6	64	7	118	1	113	92	88
CIRCULATORY SYSTEM	437	106	50	77	36	87	6	59	539	100
RESPIRATORY SYSTEM	748	114	152	111	61	110	22	153	983	114
DIGESTIVE SYSTEM	88	92	16	115	21	145	2	79	127	102
SKIN & SUBCUTANEOUS TISSUE	194	103	57	113	18	71	6	85	275	101
MUSCULOSKELETAL SYSTEM & CONNECTIVE TISSUE	276	95	61	95	26	88	3	56	366	95
GENITO-URINARY DISORDERS, PREGNANCY & CHILD BIRTH	61	106	45	108	3	42	11	181	120	107
CONGENITAL ANOMALIES & CAUSES OF PERINATAL MORBIDITY	12	125	1	40	0	0	0	0	13	108
SYMPTOMS & ILL DEFINED CONDITIONS	66	103	6	46	8	73	2	94	82	90
INJURIES	207	109	33	122	18	73	2	54	260	106

* EXPECTED FREQUENCIES ARE BASED ON ALL PERSONS IN THE 1969-74 H.I.S. SAMPLES WHO WERE IN THE LABOR FORCE.

TABLE 11. THE OBSERVED NUMBERS OF SELECTED CONDITIONS AND THEIR RATIOS TO EXPECTED* FREQUENCIES BY INDUSTRY, RACE, AND SEX, H.I.S. 1969-74(CONTINUED)

CONDITION	MANUFACTURING: ALL OTHER & UNSPECIFIED									
	WHITE				BLACK				TOTALS	
	MALES		FEMALES		MALES		FEMALES		O	O/E
	O	O/E	O	O/E	O	O/E	O	O/E	O	O/E
INFECTIVE & PARASITIC DISEASES	82	110	42	85	1	23	3	84	128	98
ALL NEOPLASMS	28	91	20	89	2	196	3	112	53	95
ENDOCRINE, NUTRITIONAL, METABOLIC & BLOOD DISORDERS	92	101	68	79	2	36	9	85	171	90
MENTAL & NERVOUS SYSTEM DISORDERS	108	105	78	84	4	65	10	108	200	94
DISEASES OF:										
EYE & EAR	89	95	33	111	3	79	2	79	127	99
CIRCULATORY SYSTEM	416	97	216	91	17	66	37	127	686	95
RESPIRATORY SYSTEM	700	102	362	84	25	71	33	81	1120	94
DIGESTIVE SYSTEM	92	92	43	99	7	76	8	112	150	94
SKIN & SUBCUTANEOUS TISSUE	203	103	138	88	17	107	31	153	389	100
MUSCULOSKELETAL SYSTEM & CONNECTIVE TISSUE	313	104	174	90	23	124	16	102	526	100
GENITO-URINARY DISORDERS, PREGNANCY & CHILDBIRTH	48	80	137	104	12	265	14	82	211	99
CONGENITAL ANOMALIES & CAUSES OF PERINATAL MORBIDITY	10	99	5	64	0	0	1	415	16	89
SYMPTOMS & ILL DEFINED CONDITIONS	58	83	37	89	6	84	6	99	107	86
INJURIES	227	114	75	88	14	89	14	135	330	107

* EXPECTED FREQUENCIES ARE BASED ON ALL PERSONS IN THE 1969-74 H.I.S. SAMPLES WHO WERE IN THE LABOR FORCE.

TABLE 11. THE OBSERVED NUMBERS OF SELECTED CONDITIONS AND THEIR RATIOS TO EXPECTED* FREQUENCIES BY INDUSTRY, RACE, AND SEX, H.I.S. 1969-74 (CONTINUED)

CONDITION	RAILROAD TRANSPORTATION									
	WHITE				BLACK				TOTALS	
	MALES		FEMALES		MALES		FEMALES		O	O/E
	O	O/E	O	O/E	O	O/E	O	O/E	O	O/E
INFECTIVE & PARASITIC DISEASES	16	80	1	66	2	154	0	0	19	86
ALL NEOPLASMS	9	77	0	0	0	0	1	1220	9	82
ENDOCRINE, NUTRITIONAL, METABOLIC & BLOOD DISORDERS	36	118	2	69	4	192	0	0	42	120
MENTAL & NERVOUS SYSTEM DISORDERS	19	61	5	158	2	99	0	0	26	70
DISEASES OF:										
EYE & EAR	20	72	1	99	0	0	0	0	21	70
CIRCULATORY SYSTEM	128	87	2	23	9	90	2	163	141	84
RESPIRATORY SYSTEM	195	101	11	80	4	37	0	0	210	97
DIGESTIVE SYSTEM	26	83	2	136	0	0	0	0	28	78
SKIN & SUBCUTANEOUS TISSUE	68	121	5	95	5	93	1	147	79	120
MUSCULOSKELETAL SYSTEM & CONNECTIVE TISSUE	82	80	7	96	9	117	2	237	100	85
GENITO-URINARY DISORDERS, PREGNANCY & CHILDBIRTH	31	161	5	123	1	63	0	0	37	148
CONGENITAL ANOMALIES & CAUSES OF PERINATAL MORBIDITY	2	75	2	823	0	0	0	0	4	133
SYMPTOMS & ILL DEFINED CONDITIONS	20	96	1	74	0	0	0	0	21	88
INJURIES	53	98	2	72	2	43	0	0	57	95

* EXPECTED FREQUENCIES ARE BASED ON ALL PERSONS IN THE 1969-74 H.I.S. SAMPLES WHO WERE IN THE LABOR FORCE.

TABLE 11. THE OBSERVED NUMBERS OF SELECTED CONDITIONS AND THEIR RATIOS TO EXPECTED* FREQUENCIES BY INDUSTRY, RACE, AND SEX, H.I.S. 1969-74 (CONTINUED)

CONDITION	ALL OTHER TRANSPORTATION									
	WHITE				BLACK				TOTALS	
	MALES		FEMALES		MALES		FEMALES			
	O	O/E	O	O/E	O	O/E	O	O/E	O	O/E
INFECTIVE & PARASITIC DISEASES	64	94	24	121	5	72	0	0	93	99
ALL NEOPLASMS	29	102	7	82	0	0	1	201	37	97
ENDOCRINE, NUTRITIONAL, METABOLIC & BLOOD DISORDERS	88	104	37	113	10	103	1	48	136	106
MENTAL & NERVOUS SYSTEM DISORDERS	109	114	36	100	15	151	2	119	162	114
DISEASES OF:										
EYE & EAR	87	100	12	111	3	47	0	0	102	99
CIRCULATORY SYSTEM	394	98	71	83	40	87	3	52	508	95
RESPIRATORY SYSTEM	616	98	177	104	56	100	7	94	856	99
DIGESTIVE SYSTEM	88	95	17	104	12	78	0	0	117	94
SKIN & SUBCUTANEOUS TISSUE	150	82	58	97	14	53	4	105	226	84
MUSCULOSKELETAL SYSTEM & CONNECTIVE TISSUE	260	92	65	97	32	94	2	57	359	93
GENITO-URINARY DISORDERS, PREGNANCY & CHILD BIRTH	58	103	61	114	8	104	2	64	129	108
CONGENITAL ANOMALIES & CAUSES OF PERINATAL MORBIDITY	5	55	1	32	1	158	0	0	7	54
SYMPTOMS & ILL DEFINED CONDITIONS	78	120	23	146	18	153	1	87	120	130
INJURIES	226	124	31	95	24	98	2	111	283	118

* EXPECTED FREQUENCIES ARE BASED ON ALL PERSONS IN THE 1969-74 H.I.S. SAMPLES WHO WERE IN THE LABOR FORCE.

TABLE 11. THE OBSERVED NUMBERS OF SELECTED CONDITIONS AND THEIR RATIOS TO EXPECTED* FREQUENCIES BY INDUSTRY, RACE, AND SEX, H.I.S. 1969-74 (CONTINUED)

CONDITION	COMMUNICATION									
	WHITE				BLACK				TOTALS	
	MALES		FEMALES		MALES		FEMALES		O	O/E
	O	O/E	O	O/E	O	O/E	O	O/E	O	O/E
INFECTIVE & PARASITIC DISEASES	20	89	19	78	2	232	2	97	43	88
ALL NEOPLASMS	9	116	4	44	1	617	0	0	14	78
ENDOCRINE, NUTRITIONAL, METABOLIC & BLOOD DISORDERS	38	163	30	82	0	0	7	122	75	115
MENTAL & NERVOUS SYSTEM DISORDERS	15	51	27	68	0	0	5	100	47	63
DISEASES OF:										
EYE & EAR	23	87	12	97	0	0	1	82	36	90
CIRCULATORY SYSTEM	98	91	58	64	8	222	10	75	174	81
RESPIRATORY SYSTEM	196	97	185	93	4	60	27	115	412	96
DIGESTIVE SYSTEM	20	73	13	69	0	0	5	116	38	75
SKIN & SUBCUTANEOUS TISSUE	62	107	55	80	1	37	9	85	127	92
MUSCULOSKELETAL SYSTEM & CONNECTIVE TISSUE	64	83	47	67	2	86	1	15	114	74
GENITO-URINARY DISORDERS, PREGNANCY & CHILDBIRTH	12	75	63	97	1	136	15	133	91	99
CONGENITAL ANOMALIES & CAUSES OF PERINATAL MORBIDITY	2	66	2	52	0	0	0	0	4	57
SYMPTOMS & ILL DEFINED CONDITIONS	14	75	14	75	0	0	1	29	29	71
INJURIES	35	59	27	70	5	162	4	68	71	67

* EXPECTED FREQUENCIES ARE BASED ON ALL PERSONS IN THE 1969-74 H.I.S. SAMPLES WHO WERE IN THE LABOR FORCE.

TABLE 11. THE OBSERVED NUMBERS OF SELECTED CONDITIONS AND THEIR RATIOS TO EXPECTED* FREQUENCIES BY INDUSTRY, RACE, AND SEX, H.I.S. 1969-74 (CONTINUED)

CONDITION	ELECTRICAL, GAS & SANITARY SERVICES									
	WHITE				BLACK				TOTALS	
	MALES		FEMALES		MALES		FEMALES			
	O	O/E	O	O/E	O	O/E	O	O/E	O	O/E
INFECTIVE & PARASITIC DISEASES	39	120	6	88	4	138	0	0	49	120
ALL NEOPLASMS	15	104	4	133	0	0	0	0	19	106
ENDOCRINE, NUTRITIONAL, METABOLIC & BLOOD DISORDERS	44	103	12	104	2	48	2	183	60	102
MENTAL & NERVOUS SYSTEM DISORDERS	38	81	6	48	2	46	0	0	46	72
DISEASES OF:										
EYE & EAR	41	97	5	126	4	143	0	0	50	104
CIRCULATORY SYSTEM	220	108	34	108	22	110	5	190	281	109
RESPIRATORY SYSTEM	325	107	76	130	27	114	2	44	430	110
DIGESTIVE SYSTEM	44	96	3	51	5	75	3	366	55	96
SKIN & SUBCUTANEOUS TISSUE	100	114	20	94	13	115	3	146	136	111
MUSCULOSKELETAL SYSTEM & CONNECTIVE TISSUE	141	99	21	82	7	46	2	156	171	93
GENITO-URINARY DISORDERS, PREGNANCY & CHILDBIRTH	27	96	16	88	2	61	3	139	48	92
CONGENITAL ANOMALIES & CAUSES OF PERINATAL MORBIDITY	6	140	1	93	1	348	0	0	8	133
SYMPTOMS & ILL DEFINED CONDITIONS	29	93	4	71	3	57	0	0	36	86
INJURIES	77	89	8	69	13	125	1	87	99	91

* EXPECTED FREQUENCIES ARE BASED ON ALL PERSONS IN THE 1969-74 H.I.S. SAMPLES WHO WERE IN THE LABOR FORCE.

TABLE 11. THE OBSERVED NUMBERS OF SELECTED CONDITIONS AND THEIR RATIOS TO EXPECTED* FREQUENCIES BY INDUSTRY, RACE, AND SEX, H.I.S. 1969-74 (CONTINUED)

CONDITION	WHOLESALE TRADE									
	WHITE				BLACK				TOTALS	
	MALES		FEMALES		MALES		FEMALES			
	O	O/E	O	O/E	O	O/E	O	O/E	O	O/E
INFECTIVE & PARASITIC DISEASES	80	102	33	101	4	89	1	79	118	102
ALL NEOPLASMS	36	104	17	119	0	0	2	200	55	110
ENDOCRINE, NUTRITIONAL, METABOLIC & BLOOD DISORDERS	97	95	50	91	9	154	2	50	158	96
MENTAL & NERVOUS SYSTEM DISORDERS	101	90	50	84	7	109	4	116	162	90
DISEASES OF:										
EYE & EAR	102	98	17	88	5	121	1	101	125	98
CIRCULATORY SYSTEM	503	103	120	80	21	76	9	79	653	96
RESPIRATORY SYSTEM	669	91	254	91	40	110	10	67	973	91
DIGESTIVE SYSTEM	94	85	30	107	10	103	5	191	139	93
SKIN & SUBCUTANEOUS TISSUE	218	102	91	90	31	186	13	171	353	104
MUSCULOSKELETAL SYSTEM & CONNECTIVE TISSUE	330	97	118	97	18	88	14	220	480	99
GENITO-URINARY DISORDERS, PREGNANCY & CHILD BIRTH	67	98	78	89	0	0	9	148	154	93
CONGENITAL ANOMALIES & CAUSES OF PERINATAL MORBIDITY	11	102	8	155	0	0	0	0	19	119
SYMPTOMS & ILL DEFINED CONDITIONS	79	96	20	73	7	89	2	88	108	91
INJURIES	213	100	53	96	10	62	4	105	280	98

* EXPECTED FREQUENCIES ARE BASED ON ALL PERSONS IN THE 1969-74 H.I.S. SAMPLES WHO WERE IN THE LABOR FORCE.

TABLE 11. THE OBSERVED NUMBERS OF SELECTED CONDITIONS AND THEIR RATIOS TO EXPECTED* FREQUENCIES BY INDUSTRY, RACE, AND SEX, H.I.S. 1969-74 (CONTINUED)

CONDITION	EATING & DRINKING PLACES									
	WHITE				BLACK				TOTALS	
	MALES		FEMALES		MALES		FEMALES		O	O/E
	O	O/E	O	O/E	O	O/E	O	O/E	O	O/E
INFECTIVE & PARASITIC DISEASES	28	80	71	90	3	110	4	70	106	88
ALL NEOPLASMS	11	91	35	113	1	147	8	178	55	117
ENDOCRINE, NUTRITIONAL, METABOLIC & BLOOD DISORDERS	44	122	147	119	5	149	15	82	211	117
MENTAL & NERVOUS SYSTEM DISORDERS	49	114	149	112	2	49	14	90	214	110
DISEASES OF:										
EYE & EAR	43	104	52	118	4	151	5	106	104	113
CIRCULATORY SYSTEM	156	93	381	117	21	129	76	142	634	113
RESPIRATORY SYSTEM	281	90	675	104	16	72	57	85	1029	98
DIGESTIVE SYSTEM	47	111	65	101	2	33	20	170	134	108
SKIN & SUBCUTANEOUS TISSUE	89	98	227	98	9	92	40	115	365	100
MUSCULOSKELETAL SYSTEM & CONNECTIVE TISSUE	114	99	277	107	5	42	23	73	419	100
GENITO-URINARY DISORDERS, PREGNANCY & CHILD BIRTH	18	74	205	99	0	0	26	95	249	95
CONGENITAL ANOMALIES & CAUSES OF PERINATAL MORBIDITY	4	70	13	105	0	0	1	261	18	100
SYMPTOMS & ILL DEFINED CONDITIONS	34	104	72	112	4	74	12	113	122	109
INJURIES	83	87	174	135	9	89	17	102	283	113

* EXPECTED FREQUENCIES ARE BASED ON ALL PERSONS IN THE 1969-74 H.I.S. SAMPLES WHO WERE IN THE LABOR FORCE.

TABLE 11. THE OBSERVED NUMBERS OF SELECTED CONDITIONS AND THEIR RATIOS TO EXPECTED* FREQUENCIES BY INDUSTRY, RACE, AND SEX, H.I.S. 1969-74 (CONTINUED)

CONDITION	OTHER RETAIL TRADE									
	WHITE				BLACK				TOTALS	
	MALES		FEMALES		MALES		FEMALES			
	O	O/E	O	O/E	O	O/E	O	O/E	O	O/E
INFECTIVE & PARASITIC DISEASES	177	91	194	95	13	133	8	113	392	95
ALL NEOPLASMS	71	95	97	106	2	95	5	91	175	101
ENDOCRINE, NUTRITIONAL, METABOLIC & BLOOD DISORDERS	221	99	333	93	8	65	18	79	580	95
MENTAL & NERVOUS SYSTEM DISORDERS	258	102	376	99	17	119	14	73	665	100
DISEASES OF:										
EYE & EAR	249	103	109	82	7	76	5	89	370	95
CIRCULATORY SYSTEM	1116	106	1001	98	59	99	60	95	2236	102
RESPIRATORY SYSTEM	1682	95	1697	97	75	95	67	80	3521	96
DIGESTIVE SYSTEM	253	101	203	110	23	107	10	67	489	104
SKIN & SUBCUTANEOUS TISSUE	524	102	644	98	36	101	26	61	1230	99
MUSCULOSKELETAL SYSTEM & CONNECTIVE TISSUE	728	101	892	105	39	89	33	89	1692	102
GENITO-URINARY DISORDERS, PREGNANCY & CHILD BIRTH	154	102	533	100	10	97	32	91	729	100
CONGENITAL ANOMALIES & CAUSES OF PERINATAL MORBIDITY	32	108	29	89	3	230	1	209	65	103
SYMPTOMS & ILL DEFINED CONDITIONS	198	102	158	87	14	76	7	53	377	93
INJURIES	473	89	296	83	22	62	25	121	816	87

* EXPECTED FREQUENCIES ARE BASED ON ALL PERSONS IN THE 1969-74 H.I.S. SAMPLES WHO WERE IN THE LABOR FORCE.

TABLE 11. THE OBSERVED NUMBERS OF SELECTED CONDITIONS AND THEIR RATIOS TO EXPECTED* FREQUENCIES BY INDUSTRY, RACE, AND SEX, H.I.S. 1969-74 (CONTINUED)

CONDITION	FINANCE, INSURANCE & REAL ESTATE									
	WHITE				BLACK				TOTALS	
	MALES		FEMALES		MALES		FEMALES		O	O/E
	O	O/E	O	O/E	O	O/E	O	O/E	O	O/E
INFECTIVE & PARASITIC DISEASES	92	128	104	103	3	95	6	150	205	115
ALL NEOPLASMS	42	122	42	103	2	244	1	35	87	113
ENDOCRINE, NUTRITIONAL, METABOLIC & BLOOD DISORDERS	124	124	150	92	6	121	12	101	292	105
MENTAL & NERVOUS SYSTEM DISORDERS	92	86	166	95	6	115	9	88	273	92
DISEASES OF:										
EYE & EAR	125	124	49	85	3	81	2	72	179	110
CIRCULATORY SYSTEM	523	108	375	88	26	106	26	85	950	98
RESPIRATORY SYSTEM	671	97	800	95	25	92	47	101	1543	96
DIGESTIVE SYSTEM	116	109	70	84	11	134	8	95	205	100
SKIN & SUBCUTANEOUS TISSUE	182	91	263	87	19	142	14	63	478	89
MUSCULOSKELETAL SYSTEM & CONNECTIVE TISSUE	325	97	298	87	24	122	7	42	654	92
GENITO-URINARY DISORDERS, PREGNANCY & CHILD BIRTH	56	82	242	90	6	148	22	105	326	90
CONGENITAL ANOMALIES & CAUSES OF PERINATAL MORBIDITY	5	51	20	126	0	0	1	370	26	104
SYMPTOMS & ILL DEFINED CONDITIONS	65	77	76	92	7	95	6	85	154	85
INJURIES	168	86	144	86	8	69	12	104	332	86

* EXPECTED FREQUENCIES ARE BASED ON ALL PERSONS IN THE 1969-74 H.I.S. SAMPLES WHO WERE IN THE LABOR FORCE.

TABLE 11. THE OBSERVED NUMBERS OF SELECTED CONDITIONS AND THEIR RATIOS TO EXPECTED* FREQUENCIES BY INDUSTRY, RACE, AND SEX, H.I.S. 1969-74 (CONTINUED)

CONDITION	SERVICES: PERSONAL									
	WHITE				BLACK				TOTALS	
	MALES		FEMALES		MALES		FEMALES			
O	O/E	O	O/E	O	O/E	O	O/E	O	O/E	
INFECTIVE & PARASITIC DISEASES	15	89	35	88	2	100	7	169	59	95
ALL NEOPLASMS	4	46	18	97	1	181	3	81	26	87
ENDOCRINE, NUTRITIONAL, METABOLIC & BLOOD DISORDERS	32	127	72	100	4	120	13	84	121	105
MENTAL & NERVOUS SYSTEM DISORDERS	35	137	89	117	3	88	15	119	142	121
DISEASES OF:										
EYE & EAR	24	97	24	88	3	125	3	67	54	93
CIRCULATORY SYSTEM	137	110	225	108	18	109	48	95	428	107
RESPIRATORY SYSTEM	175	107	343	98	14	81	59	115	591	102
DIGESTIVE SYSTEM	26	99	32	87	10	186	12	137	80	105
SKIN & SUBCUTANEOUS TISSUE	47	98	146	112	10	115	33	113	236	109
MUSCULOSKELETAL SYSTEM & CONNECTIVE TISSUE	85	100	204	118	16	120	32	98	337	111
GENITO-URINARY DISORDERS, PREGNANCY & CHILDBIRTH	19	111	104	99	3	113	11	60	137	96
CONGENITAL ANOMALIES & CAUSES OF PERINATAL MORBIDITY	5	211	6	95	0	0	0	0	11	122
SYMPTOMS & ILL DEFINED CONDITIONS	22	99	29	80	2	42	16	180	69	97
INJURIES	40	86	64	91	5	68	10	80	119	88

* EXPECTED FREQUENCIES ARE BASED ON ALL PERSONS IN THE 1969-74 H.I.S. SAMPLES WHO WERE IN THE LABOR FORCE.

TABLE 11. THE OBSERVED NUMBERS OF SELECTED CONDITIONS AND THEIR RATIOS TO EXPECTED* FREQUENCIES BY INDUSTRY, RACE, AND SEX, H.I.S. 1969-74 (CONTINUED)

CONDITION	SERVICES: MISCELLANEOUS BUSINESS									
	WHITE				BLACK				TOTALS	
	MALES		FEMALES		MALES		FEMALES			
O	O/E	O	O/E	O	O/E	O	O/E	O	O/E	
INFECTIVE & PARASITIC DISEASES	39	114	42	134	6	266	1	57	88	128
ALL NEOPLASMS	18	123	14	105	0	0	0	0	32	110
ENDOCRINE, NUTRITIONAL, METABOLIC & BLOOD DISORDERS	50	117	74	141	7	231	11	191	142	138
MENTAL & NERVOUS SYSTEM DISORDERS	62	130	60	106	3	88	5	106	130	117
DISEASES OF:										
EYE & EAR	62	137	15	81	5	222	1	71	83	124
CIRCULATORY SYSTEM	223	109	141	100	12	82	20	122	396	105
RESPIRATORY SYSTEM	344	108	290	108	24	129	32	155	690	110
DIGESTIVE SYSTEM	55	117	34	128	8	155	2	54	99	121
SKIN & SUBCUTANEOUS TISSUE	101	109	105	110	7	81	11	103	224	109
MUSCULOSKELETAL SYSTEM & CONNECTIVE TISSUE	123	86	106	94	10	90	6	61	245	89
GENITO-URINARY DISORDERS, PREGNANCY & CHILD BIRTH	31	105	93	111	5	198	8	95	137	110
CONGENITAL ANOMALIES & CAUSES OF PERINATAL MORBIDITY	11	234	4	81	1	382	0	0	16	178
SYMPTOMS & ILL DEFINED CONDITIONS	35	95	22	84	5	112	4	123	66	94
INJURIES	72	78	51	97	12	147	3	59	138	87

* EXPECTED FREQUENCIES ARE BASED ON ALL PERSONS IN THE 1969-74 H.I.S. SAMPLES WHO WERE IN THE LABOR FORCE.

TABLE 11. THE OBSERVED NUMBERS OF SELECTED CONDITIONS AND THEIR RATIOS TO EXPECTED* FREQUENCIES BY INDUSTRY, RACE, AND SEX, H.I.S. 1969-74 (CONTINUED)

CONDITION	SERVICES: REPAIR									
	WHITE				BLACK				TOTALS	
	MALES		FEMALES		MALES		FEMALES			
	O	O/E	O	O/E	O	O/E	O	O/E	O	O/E
INFECTIVE & PARASITIC DISEASES	42	120	5	83	0	0	0	0	47	107
ALL NEOPLASMS	13	89	6	225	1	181	0	0	20	118
ENDOCRINE, NUTRITIONAL, METABOLIC & BLOOD DISORDERS	40	93	12	116	6	194	1	159	59	105
MENTAL & NERVOUS SYSTEM DISORDERS	58	121	16	143	7	203	0	0	81	129
DISEASES OF:										
EYE & EAR	55	120	5	137	0	0	0	0	60	118
CIRCULATORY SYSTEM	229	111	37	131	14	93	0	0	280	112
RESPIRATORY SYSTEM	334	103	52	100	24	128	1	43	411	104
DIGESTIVE SYSTEM	59	124	7	134	13	248	0	0	79	136
SKIN & SUBCUTANEOUS TISSUE	86	91	3	16	9	103	1	86	99	81
MUSCULOSKELETAL SYSTEM & CONNECTIVE TISSUE	150	106	27	119	14	123	0	0	191	109
GENITO-URINARY DISORDERS, PREGNANCY & CHILD BIRTH	28	95	18	111	3	117	2	206	51	106
CONGENITAL ANOMALIES & CAUSES OF PERINATAL MORBIDITY	4	80	1	106	0	0	0	0	5	83
SYMPTOMS & ILL DEFINED CONDITIONS	49	131	8	157	8	177	0	0	65	138
INJURIES	92	97	8	78	6	72	1	181	107	94

* EXPECTED FREQUENCIES ARE BASED ON ALL PERSONS IN THE 1969-74 H.I.S. SAMPLES WHO WERE IN THE LABOR FORCE.

TABLE 11. THE OBSERVED NUMBERS OF SELECTED CONDITIONS AND THEIR RATIOS TO EXPECTED* FREQUENCIES BY INDUSTRY, RACE, AND SEX, H.I.S. 1969-74 (CONTINUED)

CONDITION	SERVICES: AMUSEMENT & RECREATION									
	WHITE				BLACK				TOTALS	
	MALES		FEMALES		MALES		FEMALES			
	O	O/E	O	O/E	O	O/E	O	O/E	O	O/E
INFECTIVE & PARASITIC DISEASES	20	116	11	79	1	71	0	0	32	100
ALL NEOPLASMS	11	168	6	110	1	299	0	0	18	150
ENDOCRINE, NUTRITIONAL, METABOLIC & BLOOD DISORDERS	23	119	25	113	1	49	1	45	50	109
MENTAL & NERVOUS SYSTEM DISORDERS	26	118	14	60	1	42	2	112	43	90
DISEASES OF:										
EYE & EAR	22	102	11	135	0	0	1	164	34	110
CIRCULATORY SYSTEM	111	121	64	109	15	146	3	46	193	116
RESPIRATORY SYSTEM	160	103	107	93	7	58	7	90	281	97
DIGESTIVE SYSTEM	32	145	13	113	5	138	0	0	50	132
SKIN & SUBCUTANEOUS TISSUE	62	136	49	119	9	157	1	25	121	126
MUSCULOSKELETAL SYSTEM & CONNECTIVE TISSUE	61	97	55	117	10	120	2	47	128	105
GENITO-URINARY DISORDERS, PREGNANCY & CHILD BIRTH	6	45	36	98	1	56	3	92	46	85
CONGENITAL ANOMALIES & CAUSES OF PERINATAL MORBIDITY	5	181	2	91	0	0	0	0	7	140
SYMPTOMS & ILL DEFINED CONDITIONS	25	138	13	112	4	110	1	74	43	126
INJURIES	43	91	32	139	5	95	1	55	81	105

* EXPECTED FREQUENCIES ARE BASED ON ALL PERSONS IN THE 1969-74 H.I.S. SAMPLES WHO WERE IN THE LABOR FORCE.

TABLE 11. THE OBSERVED NUMBERS OF SELECTED CONDITIONS AND THEIR RATIOS TO EXPECTED* FREQUENCIES BY INDUSTRY, RACE, AND SEX, H.I.S. 1969-74 (CONTINUED)

CONDITION	SERVICES: MEDICAL & HEALTH									
	WHITE				BLACK				TOTALS	
	MALES		FEMALES		MALES		FEMALES		O	C/E
	O	O/E	O	O/E	O	O/E	O	O/E	O	C/E
INFECTIVE & PARASITIC DISEASES	52	137	156	105	8	173	24	133	240	115
ALL NEOPLASMS	16	91	62	94	2	173	19	129	99	101
ENDOCRINE, NUTRITIONAL, METABOLIC & BLOOD DISORDERS	53	103	243	95	11	179	59	109	366	99
MENTAL & NERVOUS SYSTEM DISORDERS	56	102	255	93	8	119	44	88	363	94
DISEASES OF:										
EYE & EAR	61	118	99	108	3	70	16	105	179	110
CIRCULATORY SYSTEM	246	99	777	110	35	120	185	104	1243	107
RESPIRATORY SYSTEM	370	103	1340	105	43	115	232	109	1985	105
DIGESTIVE SYSTEM	63	115	126	97	9	88	37	101	235	102
SKIN & SUBCUTANEOUS TISSUE	82	78	430	92	15	87	107	95	634	90
MUSCULOSKELETAL SYSTEM & CONNECTIVE TISSUE	137	80	578	100	23	107	93	90	831	96
GENITO-URINARY DISORDERS, PREGNANCY & CHILD BIRTH	35	102	424	107	5	101	86	106	550	107
CONGENITAL ANOMALIES & CAUSES OF PERINATAL MORBIDITY	10	190	34	144	0	0	0	0	44	147
SYMPTOMS & ILL DEFINED CONDITIONS	35	83	121	95	9	110	30	90	195	93
INJURIES	104	101	292	115	23	138	63	117	482	113

* EXPECTED FREQUENCIES ARE BASED ON ALL PERSONS IN THE 1969-74 H.I.S. SAMPLES WHO WERE IN THE LABOR FORCE.

TABLE 11. THE OBSERVED NUMBERS OF SELECTED CONDITIONS AND THEIR RATIOS TO EXPECTED* FREQUENCIES BY INDUSTRY, RACE, AND SEX, H.I.S. 1969-74 (CONTINUED)

CONDITION	SERVICES: EDUCATION									
	WHITE				BLACK				TOTALS	
	MALES		FEMALES		MALES		FEMALES		O	O/E
	O	O/E	O	O/E	O	O/E	O	O/E	O	O/E
INFECTIVE & PARASITIC DISEASES	94	118	192	111	11	189	9	60	306	113
ALL NEOPLASMS	25	80	76	94	1	66	8	66	110	88
ENDOCRINE, NUTRITIONAL, METABOLIC & BLOOD DISORDERS	108	116	320	104	12	147	61	123	501	109
MENTAL & NERVOUS SYSTEM DISORDERS	112	103	309	93	8	90	45	108	474	97
DISEASES OF:										
EYE & EAR	104	104	125	115	6	103	16	125	251	112
CIRCULATORY SYSTEM	445	101	834	96	39	99	121	81	1439	96
RESPIRATORY SYSTEM	896	123	1760	116	63	132	177	100	2896	117
DIGESTIVE SYSTEM	105	100	132	85	10	74	18	59	265	87
SKIN & SUBCUTANEOUS TISSUE	228	108	602	108	20	89	93	99	943	107
MUSCULOSKELETAL SYSTEM & CONNECTIVE TISSUE	303	98	656	92	14	47	64	72	1037	91
GENITO-URINARY DISORDERS, PREGNANCY & CHILDBIRTH	70	111	438	95	7	107	65	96	580	97
CONGENITAL ANOMALIES & CAUSES OF PERINATAL MORBIDITY	16	146	31	113	1	143	2	200	50	132
SYMPTOMS & ILL DEFINED CONDITIONS	82	109	153	103	13	115	25	90	273	104
INJURIES	188	88	278	92	15	71	39	89	520	90

* EXPECTED FREQUENCIES ARE BASED ON ALL PERSONS IN THE 1969-74 H.I.S. SAMPLES WHO WERE IN THE LABOR FORCE.

TABLE 11. THE OBSERVED NUMBERS OF SELECTED CONDITIONS AND THEIR RATIOS TO EXPECTED* FREQUENCIES BY INDUSTRY, RACE, AND SEX, H.I.S. 1969-74 (CONTINUED)

CONDITION	SERVICES: PRIVATE HOUSEHOLDS									
	WHITE				BLACK				TOTALS	
	MALES		FEMALES		MALES		FEMALES		TOTALS	
	O	O/E	O	O/E	O	O/E	O	O/E	O	O/E
INFECTIVE & PARASITIC DISEASES	2	46	28	81	2	158	16	96	48	86
ALL NEOPLASMS	4	166	22	124	0	0	24	135	50	135
ENDOCRINE, NUTRITIONAL, METABOLIC & BLOOD DISORDERS	9	133	83	114	3	90	92	114	187	115
MENTAL & NERVOUS SYSTEM DISORDERS	14	220	108	150	6	177	76	124	204	143
DISEASES OF:										
EYE & EAR	8	114	46	138	6	204	28	102	88	126
CIRCULATORY SYSTEM	52	152	336	142	23	126	349	118	760	130
RESPIRATORY SYSTEM	45	105	379	119	19	137	235	101	678	112
DIGESTIVE SYSTEM	14	198	50	131	3	54	48	127	115	131
SKIN & SUBCUTANEOUS TISSUE	20	154	152	119	9	111	169	114	350	118
MUSCULOSKELETAL SYSTEM & CONNECTIVE TISSUE	36	161	270	131	27	159	280	130	613	133
GENITO-URINARY DISORDERS, PREGNANCY & CHILD BIRTH	5	104	116	130	5	176	69	102	195	120
CONGENITAL ANOMALIES & CAUSES OF PERINATAL MORBIDITY	1	131	6	106	0	0	1	94	8	114
SYMPTOMS & ILL DEFINED CONDITIONS	13	172	52	129	11	172	58	121	134	131
INJURIES	11	86	63	92	5	96	45	86	124	90

* EXPECTED FREQUENCIES ARE BASED ON ALL PERSONS IN THE 1969-74 H.I.S. SAMPLES WHO WERE IN THE LABOR FORCE.

TABLE 11. THE OBSERVED NUMBERS OF SELECTED CONDITIONS AND THEIR RATIOS TO EXPECTED* FREQUENCIES BY INDUSTRY, RACE, AND SEX, H.I.S. 1969-74 (CONTINUED)

CONDITION	SERVICES: OTHER MISCELLANEOUS									
	WHITE				BLACK				TOTALS	
	MALES		FEMALES		MALES		FEMALES			
O	O/E	O	O/E	O	O/E	O	O/E	O	O/E	
INFECTIVE & PARASITIC DISEASES	67	110	85	115	3	89	9	156	164	115
ALL NEOPLASMS	30	104	34	99	3	342	4	80	71	106
ENDOCRINE, NUTRITIONAL, METABOLIC & BLOOD DISORDERS	106	127	156	117	7	125	17	81	286	118
MENTAL & NERVOUS SYSTEM DISORDERS	114	128	153	108	12	197	13	76	292	115
DISEASES OF:										
EYE & EAR	123	144	59	117	3	66	6	102	191	132
CIRCULATORY SYSTEM	439	108	449	116	28	98	64	96	980	111
RESPIRATORY SYSTEM	632	109	601	93	43	143	75	106	1351	102
DIGESTIVE SYSTEM	82	92	69	101	7	74	12	98	170	95
SKIN & SUBCUTANEOUS TISSUE	185	109	230	95	12	80	40	102	467	100
MUSCULOSKELETAL SYSTEM & CONNECTIVE TISSUE	242	86	338	106	20	84	51	120	651	98
GENITO-URINARY DISORDERS, PREGNANCY & CHILDBIRTH	65	113	199	102	5	106	29	111	298	105
CONGENITAL ANOMALIES & CAUSES OF PERINATAL MORBIDITY	10	119	18	153	0	0	0	0	28	140
SYMPTOMS & ILL DEFINED CONDITIONS	60	82	76	113	11	118	8	66	155	96
INJURIES	114	68	163	125	16	126	21	122	314	96

* EXPECTED FREQUENCIES ARE BASED ON ALL PERSONS IN THE 1969-74 H.I.S. SAMPLES WHO WERE IN THE LABOR FORCE.

TABLE 11. THE OBSERVED NUMBERS OF SELECTED CONDITIONS AND THEIR RATIOS TO EXPECTED* FREQUENCIES BY INDUSTRY, RACE, AND SEX, H.I.S. 1969-74 (CONTINUED)

CONDITION	FEDERAL GOVERNMENT									
	WHITE				BLACK				TOTALS	
	MALES		FEMALES		MALES		FEMALES		O	O/E
	O	O/E	O	O/E	O	O/E	O	O/E	O	O/E
INFECTIVE & PARASITIC DISEASES	62	115	34	123	8	136	3	62	107	119
ALL NEOPLASMS	33	126	12	88	0	0	3	79	48	109
ENDOCRINE, NUTRITIONAL, METABOLIC & BLOOD DISORDERS	71	92	54	106	13	151	14	90	152	101
MENTAL & NERVOUS SYSTEM DISORDERS	78	95	72	131	5	58	13	99	168	106
DISEASES OF:										
EYE & EAR	101	139	21	117	10	179	6	153	138	141
CIRCULATORY SYSTEM	402	108	119	81	55	134	50	111	626	103
RESPIRATORY SYSTEM	575	112	251	102	53	111	58	102	937	109
DIGESTIVE SYSTEM	81	100	34	132	10	74	8	81	133	104
SKIN & SUBCUTANEOUS TISSUE	164	110	100	108	27	117	18	61	309	105
MUSCULOSKELETAL SYSTEM & CONNECTIVE TISSUE	277	107	101	82	24	78	22	83	424	97
GENITO-URINARY DISORDERS, PREGNANCY & CHILDBIRTH	61	122	74	101	3	45	18	79	156	103
CONGENITAL ANOMALIES & CAUSES OF PERINATAL MORBIDITY	9	129	4	91	0	0	1	311	14	127
SYMPTOMS & ILL DEFINED CONDITIONS	61	113	27	112	5	49	11	124	104	108
INJURIES	130	90	51	103	17	81	18	127	216	95

* EXPECTED FREQUENCIES ARE BASED ON ALL PERSONS IN THE 1969-74 H.I.S. SAMPLES WHO WERE IN THE LABOR FORCE.

TABLE 11. THE OBSERVED NUMBERS OF SELECTED CONDITIONS AND THEIR RATIOS TO EXPECTED* FREQUENCIES BY INDUSTRY, RACE, AND SEX, H.I.S. 1969-74 (CONTINUED)

CONDITION	STATE GOVERNMENT									
	WHITE				BLACK				TOTALS	
	MALES		FEMALES		MALES		FEMALES		O	O/E
	O	O/E	O	O/E	O	O/E	O	O/E	O	O/E
INFECTIVE & PARASITIC DISEASES	25	158	18	145	1	136	4	432	48	171
ALL NEOPLASMS	12	157	3	52	0	0	0	0	15	115
ENDOCRINE, NUTRITIONAL, METABOLIC & BLOOD DISORDERS	21	94	24	110	1	108	3	96	49	104
MENTAL & NERVOUS SYSTEM DISORDERS	26	110	19	81	0	0	1	39	46	92
DISEASES OF:										
EYE & EAR	31	143	12	152	2	313	0	0	45	155
CIRCULATORY SYSTEM	100	93	54	86	5	115	7	76	166	91
RESPIRATORY SYSTEM	162	107	117	108	8	136	16	144	303	111
DIGESTIVE SYSTEM	18	76	6	53	2	130	0	0	26	70
SKIN & SUBCUTANEOUS TISSUE	41	94	40	99	2	75	6	103	89	98
MUSCULOSKELETAL SYSTEM & CONNECTIVE TISSUE	64	85	45	87	1	32	4	71	114	85
GENITO-URINARY DISORDERS, PREGNANCY & CHILD BIRTH	18	122	24	73	0	0	2	46	44	86
CONGENITAL ANOMALIES & CAUSES OF PERINATAL MORBIDITY	3	144	1	51	0	0	0	0	4	100
SYMPTOMS & ILL DEFINED CONDITIONS	26	152	12	111	0	0	1	56	39	130
INJURIES	48	112	16	74	1	38	5	183	70	103

* EXPECTED FREQUENCIES ARE BASED ON ALL PERSONS IN THE 1969-74 H.I.S. SAMPLES WHO WERE IN THE LABOR FORCE.

TABLE 11. THE OBSERVED NUMBERS OF SELECTED CONDITIONS AND THEIR RATIOS TO EXPECTED* FREQUENCIES BY INDUSTRY, RACE, AND SEX, H.I.S. 1969-74 (CONTINUED)

CONDITION	LOCAL GOVERNMENT									
	WHITE				BLACK				TOTALS	
	MALES		FEMALES		MALES		FEMALES		O	O/E
	O	O/E	O	O/E	O	O/E	O	O/E	O	O/E
INFECTIVE & PARASITIC DISEASES	42	112	23	125	5	178	1	59	71	120
ALL NEOPLASMS	21	128	12	131	1	158	4	303	38	141
ENDOCRINE, NUTRITIONAL, METABOLIC & BLOOD DISORDERS	47	97	43	125	9	243	7	132	106	116
MENTAL & NERVOUS SYSTEM DISORDERS	49	91	45	122	1	25	3	66	98	100
DISEASES OF:										
EYE & EAR	35	71	12	93	2	75	1	76	59	77
CIRCULATORY SYSTEM	243	105	103	100	14	79	10	66	370	191
RESPIRATORY SYSTEM	356	101	160	98	25	109	28	141	569	102
DIGESTIVE SYSTEM	59	112	21	119	7	113	4	115	91	115
SKIN & SUBCUTANEOUS TISSUE	101	99	66	105	6	57	6	59	179	97
MUSCULOSKELETAL SYSTEM & CONNECTIVE TISSUE	141	87	76	87	14	106	10	116	241	89
GENITO-URINARY DISORDERS, PREGNANCY & CHILDBIRTH	40	122	54	111	3	97	12	148	109	118
CONGENITAL ANOMALIES & CAUSES OF PERINATAL MORBIDITY	5	100	4	136	1	357	0	0	10	143
SYMPTOMS & ILL DEFINED CONDITIONS	41	105	23	136	6	118	3	99	73	114
INJURIES	131	130	42	126	18	179	5	100	196	132

* EXPECTED FREQUENCIES ARE BASED ON ALL PERSONS IN THE 1969-74 H.I.S. SAMPLES WHO WERE IN THE LABOR FORCE.

TABLE 11. THE OBSERVED NUMBERS OF SELECTED CONDITIONS AND THEIR RATIOS TO EXPECTED* FREQUENCIES BY INDUSTRY, RACE, AND SEX, H.I.S. 1969-74 (CONTINUED)

CONDITION	UNKNOWN									
	WHITE				BLACK				TOTALS	
	MALES		FEMALES		MALES		FEMALES			
O	O/E	O	O/E	O	O/E	O	O/E	O	O/E	
INFECTIVE & PARASITIC DISEASES	19	106	17	94	4	165	2	111	42	108
ALL NEOPLASMS	3	48	12	164	1	184	0	0	16	107
ENDOCRINE, NUTRITIONAL, METABOLIC & BLOOD DISORDERS	19	102	31	106	3	119	2	34	55	100
MENTAL & NERVOUS SYSTEM DISORDERS	37	166	37	119	6	175	6	126	86	141
DISEASES OF:										
EYE & EAR	19	90	12	112	3	141	5	356	39	111
CIRCULATORY SYSTEM	70	81	85	108	16	133	10	65	181	95
RESPIRATORY SYSTEM	127	80	118	78	16	83	19	88	280	80
DIGESTIVE SYSTEM	22	101	15	99	7	144	1	26	45	102
SKIN & SUBCUTANEOUS TISSUE	34	74	75	138	7	88	6	57	122	103
MUSCULOSKELETAL SYSTEM & CONNECTIVE TISSUE	52	87	70	110	3	36	8	88	133	95
GENITO-URINARY DISORDERS, PREGNANCY & CHILDBIRTH	12	95	54	114	1	45	10	104	77	108
CONGENITAL ANOMALIES & CAUSES OF PERINATAL MORBIDITY	1	36	5	175	1	230	0	0	7	140
SYMPTOMS & ILL DEFINED CONDITIONS	15	92	15	99	4	89	4	117	38	97
INJURIES	61	126	25	83	10	112	2	39	98	107

* EXPECTED FREQUENCIES ARE BASED ON ALL PERSONS IN THE 1969-74 H.I.S. SAMPLES WHO WERE IN THE LABOR FORCE.

TABLE 11. THE OBSERVED NUMBERS OF SELECTED CONDITIONS AND THEIR RATIOS TO EXPECTED* FREQUENCIES BY INDUSTRY, RACE, AND SEX, H.I.S. 1969-74 (CONTINUED)

CONDITION	NEW WORKER									
	WHITE				BLACK				TOTALS	
	MALES		FEMALES		MALES		FEMALES			
	O	O/E	O	O/E	O	O/E	O	O/E	O	O/E
INFECTIVE & PARASITIC DISEASES	4	73	2	23	1	131	0	0	7	47
ALL NEOPLASMS	0	0	1	63	0	0	0	0	1	50
ENDOCRINE, NUTRITIONAL, METABOLIC & BLOOD DISORDERS	1	42	10	117	1	272	6	157	18	129
MENTAL & NERVOUS SYSTEM DISORDERS	8	179	9	102	1	97	3	99	21	124
DISEASES OF:										
EYE & EAR	3	63	8	254	0	0	1	169	12	150
CIRCULATORY SYSTEM	10	113	15	112	0	0	7	120	32	114
RESPIRATORY SYSTEM	44	104	52	86	5	88	16	97	117	94
DIGESTIVE SYSTEM	2	48	6	120	2	164	6	185	16	123
SKIN & SUBCUTANEOUS TISSUE	11	89	12	65	2	115	4	64	29	76
MUSCULOSKELETAL SYSTEM & CONNECTIVE TISSUE	3	53	4	51	1	158	2	78	10	67
GENITO-URINARY DISORDERS, PREGNANCY & CHILD BIRTH	1	58	22	100	0	0	11	116	34	103
CONGENITAL ANOMALIES & CAUSES OF PERINATAL MORBIDITY	2	181	2	148	1	395	0	0	5	167
SYMPTOMS & ILL DEFINED CONDITIONS	2	60	9	155	3	209	3	129	17	142
INJURIES	9	60	11	93	0	0	1	26	21	68

* EXPECTED FREQUENCIES ARE BASED ON ALL PERSONS IN THE 1969-74 H.I.S. SAMPLES WHO WERE IN THE LABOR FORCE.

DEPARTMENT OF HEALTH AND HUMAN SERVICES
PUBLIC HEALTH SERVICE
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