

**Skin Conditions and Related
Need for Medical Care
Among Persons 1-74 Years
United States, 1971-1974**

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SYMBOLS

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

SKIN CONDITIONS AND RELATED NEED FOR MEDICAL CARE AMONG PERSON 1-74 YEARS

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INTRODUCTION

This report contains estimates of the prevalence of the various types of skin pathology including those dermatological conditions about which the individual expresses concern, the extent of handicap or discomfort from such conditions, and the extent of need for related medical care among the civilian noninstitutionalized population of the United States 1-74 years of age. These national estimates are based on findings from the first Health and Nutrition Examination Survey of 1971-1974. The prevalence data are analyzed by age and sex.

An Advance Data report "Prevalence of Dermatological Disease Among Persons 1-74 Years of Age: United States" summarizing some of these findings has been published.¹

The Health Examination Survey in which these data were obtained is one of the major programs of the National Center for Health Statistics authorized under the National Health Survey Act of 1956 by the 84th Congress as a continuing Public Health Service activity to determine the health status of the population.

The intent of the National Health Survey² is carried out through the programs of the Health Examination Survey; the Health Interview Survey which collects health information from samples of persons by household interviews focused primarily on the impact of illness and disability within various population groups; the Health Manpower and Facilities surveys which obtain data on hospitals, nursing homes and other resident institutions, and the entire range of person-

nel in the health occupations; and the Health Resources Utilization surveys.

Only in the Health Examination Survey programs are health data collected by direct physical examinations, tests, and measurements performed on samples of the population. Hence, it provides the best of the survey methods for obtaining diagnostic data on the prevalence of medically defined illness. It is the only one of the survey programs of the National Center for Health Statistics that secures information on previously unrecognized or undiagnosed conditions as well as on a variety of physical, physiological, and psychological measures within the population. Medical history, demographic, and socioeconomic data with which the examination findings may be interrelated are also collected on the sample population under study in these examination surveys.

Since it was organized, the Health Examination Survey has been conducted as a series of separate programs, called "cycles," each of which is limited to some specific segment of the U.S. population and to specific aspects of health. During the first cycle in 1960-1962, the prevalence of certain chronic diseases, including heart disease and arthritis, and the distributions of various physical and physiological measures were determined among a defined adult population.^{3,4} For that program, a national probability sample of 7,710 adults, of whom 6,672 (86.5 percent) were examined, was selected to represent the 111 million civilian noninstitutionalized adults age 18-79 years in the U.S. population at that time.

For the second and third cycles in 1963-1965 and 1966-1970, the target populations were the Nation's noninstitutionalized children age 6-11 years and youths age 12-17 years, respectively.^{5,6} In both programs, the examination focused primarily on health factors related to growth and development. For the second program, a national probability sample of 7,417, of which 7,119 (96 percent) were examined, was selected to represent the nearly 24 million U.S. children age 6-11 years in the noninstitutionalized population. For the third program, a national probability sample of 7,514, of whom 6,768 (90 percent) were examined, was selected to represent the 22.7 million of that age in the civilian noninstitutionalized population.

The first Health and Nutrition Examination Survey (HANES I), from which the findings in this report were obtained, was designed to measure the nutritional status of the U.S. population age 1-74 years and to obtain some limited information on the general health status of the entire age group as well as more detailed information on the health status and medical care needs of adults age 25-74 years in the civilian noninstitutionalized population. A comprehensive description of the specific content and plan of operation of the HANES I program, including sample design, has been published.⁷ Data collection operations were slowed during the survey because of budgetary limitations, making it necessary to extend HANES I through mid-1974 so that the entire probability sample selected in the original design for this program could be examined.

As in previous Health Examination Survey programs, the U.S. Bureau of the Census cooperated in the sample design and in the initial visits and interviewing at selected eligible households in the 65 primary sampling units (PSU's) throughout the United States. Additional household visiting, interviewing, history taking, and explaining of the examination portion of the program were done by members of the field teams of the mobile examination center. The selected sample persons for whom an appointment could be made were brought into the specially constructed mobile examination centers which were moved into a central location in each of the PSU's. The teams that traveled to the various survey locations throughout the

country included medical and dental examiners as well as technicians, interviewers, and other staff.

The probability sample design used in the study provided for a sampling ratio of poor persons, preschool children, women of childbearing ages, and the elderly that was higher than the ratio among others in the civilian noninstitutionalized population.

Field data collection operations for HANES I were started in April 1971 and completed in June 1974. Of the 28,043 persons 1-74 years selected in the national probability sample to represent the 194 million of those ages at mid-survey time in the civilian noninstitutionalized population, 20,749 (74.0 percent) were examined. The response rate decreases with age from 83.7 percent among those 1-5 years to 64.3 percent among those 65-74 years. When adjustments are made for the differential sampling ratios used in the age-sex-income-defined population subgroups, this represents an effective response rate of 75.2 percent.

The findings in this report are shown as national estimates based on weighted observation; that is, the data obtained for each examined person are inflated to the size of the total population of which the sample was representative.

The estimates have been calculated as though the examined persons in each of the age (at interview), sex, and income classes are a random subsample of the sample persons in the same class. Although there is evidence from earlier examination surveys and medical history data from HANES I that this is not an unreasonable approximation, it is clear that some estimates are subject to considerable risk of bias when more than one-quarter of the sample persons in a particular age-sex-income class were not examined. All age-specific data in this report are shown as age at the time of examination.

The dermatology component of HANES I was planned at the request of and in cooperation with the Committee on Planning for the National Program for Dermatology of the National Academy of Dermatology. Dr. Marie-Louise T. Johnson, Chairman of the Data Collection Unit for the National Program, was primarily responsible for planning the content of the dermatology examination, recruiting the dermatologists,

and training them in the examination methodology so as to minimize interobserver variation.

Statistical notes on the sample design, reliability of the data, and sampling and measurement error are included in appendix I. The dermatology examination form is reproduced in appendix II, and a glossary of the most prevalent dermatological diseases or conditions may be found in appendix III.

DERMATOLOGY EXAMINATION

The dermatological part of the HANES I examination included a complete clinical examination of the skin and subcutaneous tissue that considered normal variations in texture and color, certain manifestations of aging, and all pathological changes. Whenever possible, significant diagnoses such as malignancy were documented by tissue biopsy and suspected infections by Tzanck smear or by culture to identify fungi or bacteria. Estimates were made of actinic exposure experienced, as well as actinic damage sustained, and of occupational risk from irritant and allergic contractants. For an examinee with a significant hand, foot, or generalized problem, a judgment was made about the burden to the examinee in terms of discomfort or disability, about care sought, and about the effect that could be expected from the current best care available in the present state of the art.

The Dermatology Examination form which provided for the recording of the examiner's findings was divided into five parts. The first gave a summary of the major dermatological findings and procedures as well as significant historical and environmental data. The second provided for information about the skin in general such as color, texture, the ectodermal appendages, vascular lesions, pigmented nevi, and those pathological changes that occur in a generalized fashion such as purpura, seborrheic keratoses, or warts. The third part was for regional findings peculiar to an anatomical area as the head or neck, such conditions as xanthelasma, cheilosis, or scrotal tongue. The fourth part focused on disease-oriented information giving more detail on such common problems as acne, psoriasis, atopy, and others. The last part represented an effort to evaluate the impact of

the dermatological condition observed—how it had modified the individual's life through physical or psychic incapacitation, and how it may have precluded a preferred activity. An estimation was made by the examiner of the degree of disfigurement the condition had produced as well as the symptoms the examinee had suffered. Information was obtained from the examinee about care sought for the skin problem or, if no care was sought, why not. Had it been a matter of not knowing about available therapy on the part of the examinee or his physician? Had it been a problem of finances or inconvenience in travel, or the unavailability of care at any price or distance? If the person was receiving treatment, a judgment was made by the examiner concerning the adequacy of therapy, and if inadequate, whether the current best care in the present state of the art in medicine would improve the condition.

Mycological Studies

All lesions that the examiner considered to be fungous or to include fungous in the differential were scraped, as were all scaling lesions of the hands and feet and all circumscribed scaling lesions anywhere on the body that might be considered "ringworm" not only by the nondermatological physician but by the layman or the pharmacist.

The lesions were scraped with a scalpel or slide, and the scrapings, sealed between two glass slides, were sent the same day to Dr. William Epstein, Department of Dermatology, University of California Medical Center, for examination and culture to identify any fungus present.

Biopsies

Biopsies were taken only from adults who could provide consent. With lesions on the head or neck, only those were biopsied that were clinically suggestive of malignancy or of a diagnosis of grave importance such as lupus erythematosus, the granulomatous diseases; tuberculosis; leprosy; sarcoid; and similar conditions. On the covered areas of the body, any significant lesion or any lesion of obscure or uncertain identification was biopsied as needed by the examiner, but only if the examinee understood the reasons for the procedure and consented to biopsy in writing.

Photography

Lesions biopsied were photographed whenever possible (but always with the examinee's permission) and especially if they occurred in a cosmetically significant area, or if, after excision, the defect would require suturing, or if there were some question about the diagnosis. These photographs were used in later review to support the diagnoses when the biopsy findings were available.

Classification of Disease Conditions

Both the significant skin pathology and the skin conditions of concern to the examinee were identified and classified by the dermatologist examiner using the Code of Skin Diseases of the Department of Dermatology, New York University School of Medicine.⁸ For a glossary defining the more prevalent of these conditions see appendix III.

Quality Control

From the National Academy of Dermatology, Dr. Marie-Louise Johnson, Chairman of the Data Collection Unit for the Committee on Planning for their National Program was primarily responsible for recruiting the 101 survey dermatologists and for training them in the standard dermatology examination procedures used at the 65 examination locations of the Health and Nutrition Examination Survey in 1971-1974.

After concluding the examinations, findings from the mycological studies and biopsies were used to complete and modify the diagnostic impressions of the dermatology examination. A full review was then made with Dr. Johnson to ensure that all examiners followed the examination protocol for identifying the various types of skin pathology and for diagnosing significant conditions.

As might be expected, despite the standard protocol, frequent review, and constant surveillance, there is considerable variation among examiners in the observations recorded. Closer inspection would indicate that these reflect to a greater extent geographic and environmentally related differences in the distribution among those examined rather than a true examiner vari-

ability. However, the conscientiousness of some examiners in recording all freckles, for example, was apparent in contrast to others who tended to underreport banal lesions and normal variations. However, there was also a considerable difference among examiners in numbers of patients considered to have significant skin pathology. The given guide of significance, a condition that should be seen at least once by a physician for assessment or care, permitted a range of interpretation according to the examiner's training and personal experience. When the effect of any difference in the distribution among those examined by the 101 dermatologists was removed by direct adjustment (applying the age-sex-specific rates for each examiner against the total number of examinees in each age-sex group), there were substantial differences among examiners in the findings of significant skin pathology and in conditions about which the examinee expressed concern. Age-adjusted prevalence rates of significant skin pathology range from 0 to 90.4 percent, the average being 31.2 percent. Half of the examiners found between 14 and 46 percent of their examinees to have such pathology. The range in the proportion expressing complaints about skin conditions to the examiner was from 0 to 70.8 percent per examiner, the average being 11.4 percent with half of the examiners showing rates between 2.7 and 19.8 percent. Further detail on examiner variability is given in appendix I.

FINDINGS

Prevalence

Skin pathology.—Nearly one-third (312.4 per 1,000 population), or an estimated 60.6 million of the U.S. population age 1-74 years have some skin pathology—one or more significant skin conditions (table 1) that should be evaluated by a physician at least once. These national estimates are based on findings from the standardized examination given by a dermatologist among a national probability sample of the civilian noninstitutionalized population in the Health and Nutrition Examination Survey of 1971-1974.

The prevalence of significant skin pathology increases rapidly with age from a rate of 142.3 per 1,000 children age 1-5 years to 362.0 per 1,000 youths age 12-17 years and to 365.1 per 1,000 young adults age 18-24 years, due primarily to the increase in acne vulgaris associated with endocrine changes occurring around the time of puberty⁹⁻¹² (table 2 and figure 1). After a slight decline at age 25-34 years, the prevalence of skin pathology again increases with age but at a slower rate than among children and adolescents, reflecting the rapid increases with age in the prevalence of such diagnoses as psoriasis and vitiligo and such problems as malignant and benign tumors, actinic and seborrheic keratoses.

Skin pathology is consistently more prevalent among males than among females from 6 through 74 years (tables 3, 4, and figure 2), although the differences in the rates across the age range are too small to be consistently statistically significant (at the 5-percent probability level) among children and young to middle-age adults; among youths age 12-17 years and adults age 35-44 years the differences are negligible (less than 3 per 1,000 difference). About one-fifth of the population (21.7 percent or 42.0

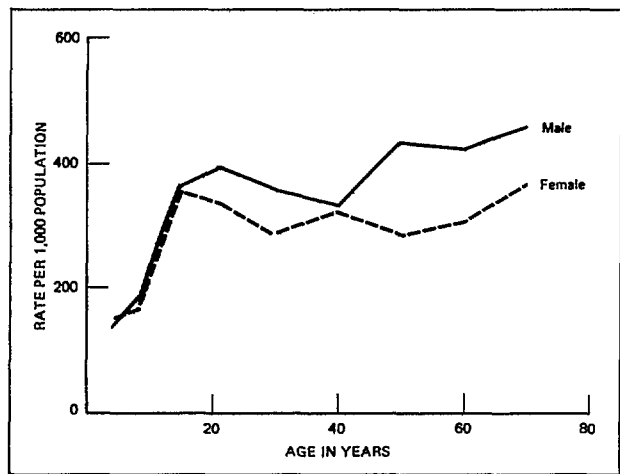


Figure 2. Prevalence rates for significant skin pathology among persons 1-74 years, by age and sex: United States, 1971-1974

million persons) have only one such skin condition, 6.4 percent or 12.4 million have two, and 3.2 percent or 6.1 million persons have three significant types of conditions (table 5). Because the dermatologist examiner was limited to identifying no more than the three most serious conditions, the true prevalence rates of some of the specific conditions in the population may be slightly underestimated.

Types of conditions.—The increase with age in the prevalence of significant skin conditions is more rapid than that shown for skin pathology in the individual. This is true among youths age 12-17 years, young adults age 18-24 years, and adults age 35-74 years, indicating that over the age of 12 years the individuals with essentially normal skin are somewhat less likely to develop skin pathology than those with some skin pathology are to develop a new problem. Furthermore, males age 12-74 years are also more likely than are females of comparable age to have more than one type of significant skin condition (figure 3).

The most frequently occurring groups of significant skin conditions are those affecting the sebaceous glands (84.8 per 1,000 persons); dermatophytoses or fungal diseases (81.1 per 1,000); malignant or benign tumors (56.5 per 1,000); seborrheic dermatitis (28.5 per 1,000); atopic dermatitis and eczema (18.4 per 1,000); and contact dermatitis (13.6 per 1,000). Among

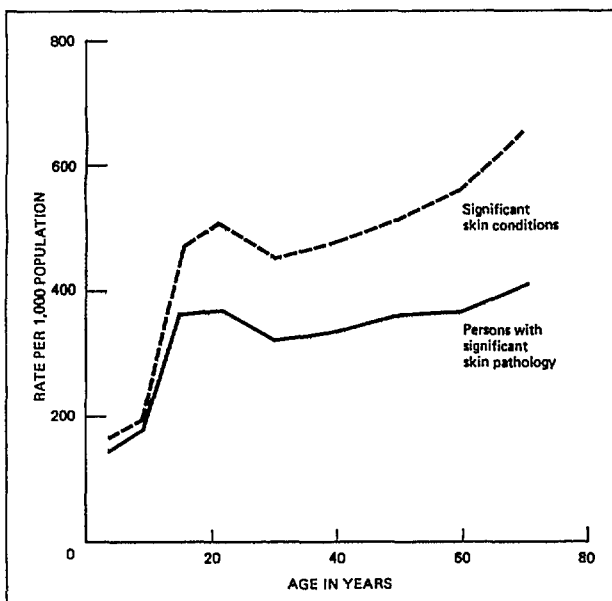


Figure 1. Prevalence rates for significant skin pathology and significant skin conditions among persons 1-74 years, by age: United States, 1971-1974

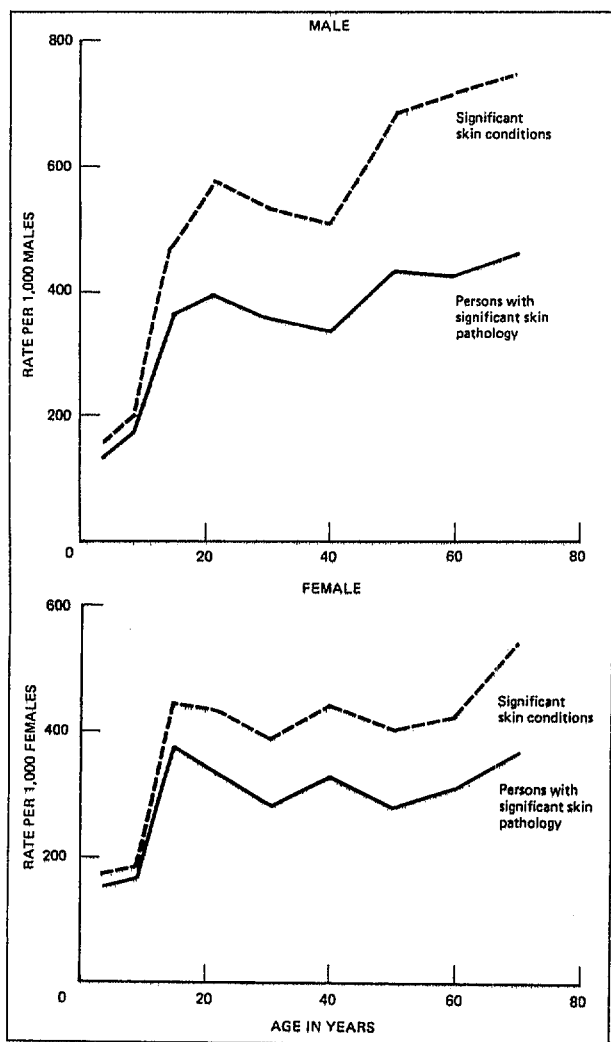


Figure 3. Prevalence rates for significant skin pathology and significant skin conditions among persons 1-74 years, by age and sex: United States, 1971-1974

males, the most prevalent skin conditions are the dermatophytoses, diseases of the sebaceous glands, tumors, and seborrheic dermatitis; among females, the diseases of the sebaceous glands are the most prevalent followed by tumors (malignant and benign), dermatophytoses, and seborrheic dermatitis (figure 4).

Among the individual types of significant skin pathology diagnosed, the most prevalent are acne vulgaris (68.1 per 1,000 population); fungal conditions on the feet, tinea pedis (38.7 per 1,000); benign tumors (38.2 per 1,000); seborrheic dermatitis, type not identified (28.2 per 1,000); fungal conditions around the nails, tinea

unguium (21.8 per 1,000); precancerous and unspecified tumors (12.4 per 1,000); verruca vulgaris (8.5 per 1,000); folliculitis (8.0 per 1,000) and atopic dermatitis (6.9 per 1,000).

The trend with age in the prevalence of the principal types of skin conditions shows the rapid increase in diseases of the sebaceous glands (primarily acne vulgaris) to age 12-17 years, when it is most prevalent, followed by a steady decrease from age 18-45 years with essentially no change from age 55-74 years. The rates for the dermatophytoses increase with age from 6-54 years then decline slightly, while tumor prevalence generally increases from age 6 years on with the most rapid increase observed among older adults ages 55-64 and 65-74 years (table A, figures 5 and 6).

Among males and females, the trends with age in the prevalence rates for the most frequently occurring skin conditions show a generally similar pattern of peak prevalence for diseases of the sebaceous glands (primarily reflecting the pattern for acne vulgaris) at age 12-17 years for both males and females (figure 7). The prevalence rates for the dermatophytoses increase substantially more rapidly with age from 12-54 years among males and remain higher among males than among females across the age range 6-74 years. Among men, the prevalence of tumors increases consistently with age from 35-74 years, the rate of increase with age being more rapid than that for women at age 35-54 years, but similar for both sexes from age 55-74 years.

Occupational exposure.—Nearly one-fourth (23.9 percent) of adults 18-74 years of age with significant skin pathology indicate an exposure in their work environment to various types of chemicals, fumes, vapors, oils, or insecticides, or to prolonged immersion of the hands or feet at work. Except for contactants and allergans, no data were generated to infer causal relationships.

The proportion with skin conditions associated with occupational exposure is more than twice as high among men (32.4 percent) as women (14.4 percent). There is a general increase with age in this rate among women but not men age 18-64 years. Among both sexes the rates drop off at age 65-74 years (figure 8).

Suppressed conditions.—In addition to the significant skin conditions active at the time of

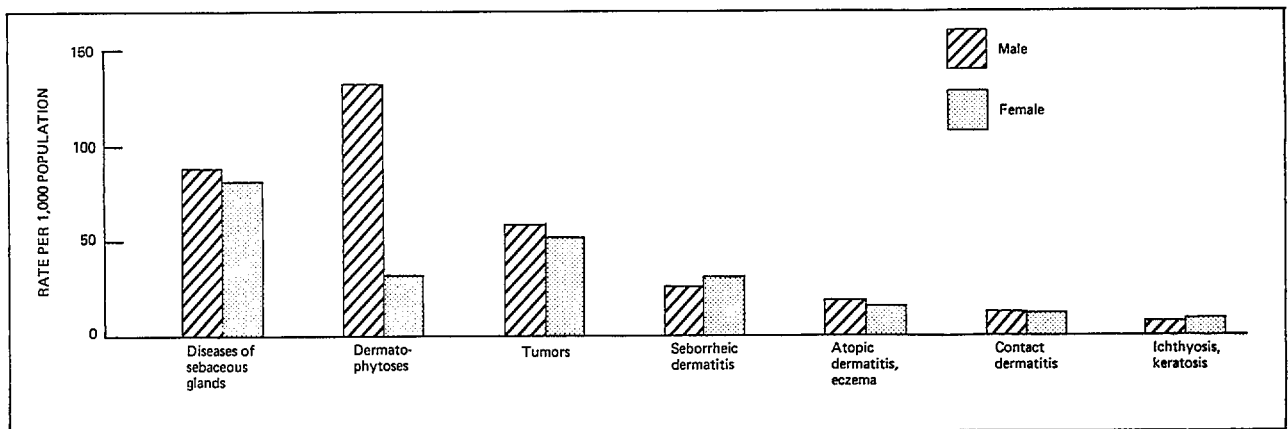


Figure 4. Prevalence rates for the 7 most frequently occurring types of skin pathology among persons 1-74 years, by sex: United States, 1971-1974

Table A. Rank order and rates (greater than 10.0 per 1,000 population) of the most prevalent types of skin pathology, within each age group: United States, 1971-1974

1-5 years	6-11 years	12-17 years
Atopic dermatitis, eczema (24.9)	Diseases of sebaceous glands (21.4)	Diseases of sebaceous glands (249.9)
Tumors, malignant and benign (21.7)	Atopic dermatitis, eczema (20.0)	Dermatophytoses (33.2)
Contact dermatitis (13.9)	Tumors, malignant and benign (18.9)	Tumors, malignant and benign (31.3)
	Ichthyosis, keratosis (15.5)	Seborrheic dermatitis (18.8)
	Verruca vulgaris (13.1)	Atopic dermatitis, eczema (17.0)
		Ichthyosis, keratosis (16.7)
		Verruca vulgaris (15.5)
18-24 years	25-34 years	35-44 years
Diseases of sebaceous glands (191.1)	Diseases of sebaceous glands (99.6)	Dermatophytoses (121.5)
Dermatophytoses (61.7)	Dermatophytoses (87.7)	Tumors, malignant and benign (46.8)
Tumors, malignant and benign (43.0)	Seborrheic dermatitis (41.9)	Diseases of sebaceous glands (44.1)
Seborrheic dermatitis (38.7)	Tumors, malignant and benign (39.6)	Seborrheic dermatitis (41.6)
Folliculitis (18.9)	Atopic dermatitis, eczema (28.0)	Contact dermatitis (17.0)
Atopic dermatitis, eczema (15.4)	Folliculitis (15.4)	Atopic dermatitis, eczema (14.7)
Contact dermatitis (14.2)	Ichthyosis, keratosis (11.5)	Folliculitis (12.8)
Verruca vulgaris (12.4)		
45-54 years	55-64 years	65-74 years
Dermatophytoses (155.7)	Dermatophytoses (150.8)	Tumors, malignant and benign (184.1)
Tumors, malignant and benign (84.9)	Tumors, malignant and benign (100.2)	Dermatophytoses (126.8)
Seborrheic dermatitis (31.9)	Diseases of sebaceous glands (32.0)	Seborrheic dermatitis (36.4)
Diseases of sebaceous glands (21.5)	Seborrheic dermatitis (28.7)	Diseases of sebaceous glands (25.5)
Contact dermatitis (16.7)	Contact dermatitis (23.6)	Seborrheic keratosis (24.4)
Atopic dermatitis, eczema (13.9)	Seborrheic keratosis (18.3)	Contact dermatitis (20.4)
Psoriasis (11.4)	Atopic dermatitis, eczema (12.8)	Atopic dermatitis, eczema (18.3)
	Vitiligo (12.6)	Vitiligo (13.6)

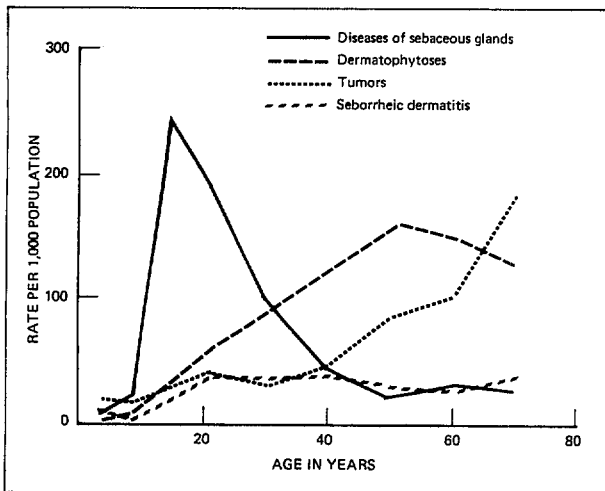


Figure 5. Prevalence rates for the 4 most frequently occurring types of skin pathology among persons 1-74 years, by age: United States, 1971-1974

the examination and diagnosed by the dermatologist examiner, those previously diagnosed significant skin conditions that were suppressed or in remission at the time of the examination were also recorded for each examinee. Recording was limited to the two most serious of such conditions.

One in eight persons (124.9 per 1,000) has at least one such clinically inactive condition, the rate increasing with age from 69.6 per 1,000 at age 1-5 years and 69.1 per 1,000 at age 6-11 years to 162.6 per 1,000 at age 35-44 years then declining slowly to 123.4 per 1,000 at age 65-74 years (table 5). The proportion of persons with such conditions is slightly higher among females than among males, but the pattern across the age range is not consistent. Less than 15 percent of these persons have two significant conditions in remission.

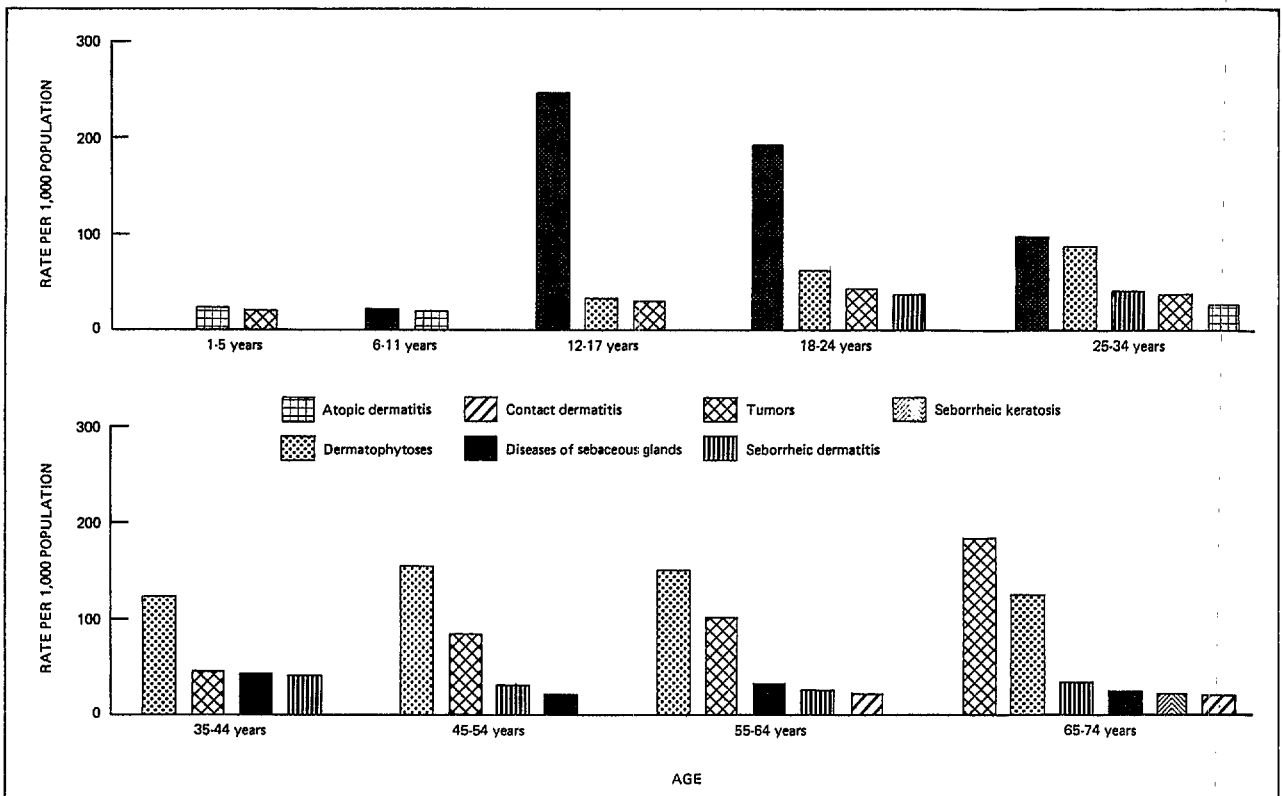


Figure 6. Prevalence rates for the principal types of skin pathology within each age group among persons 1-74 years: United States, 1971-1974

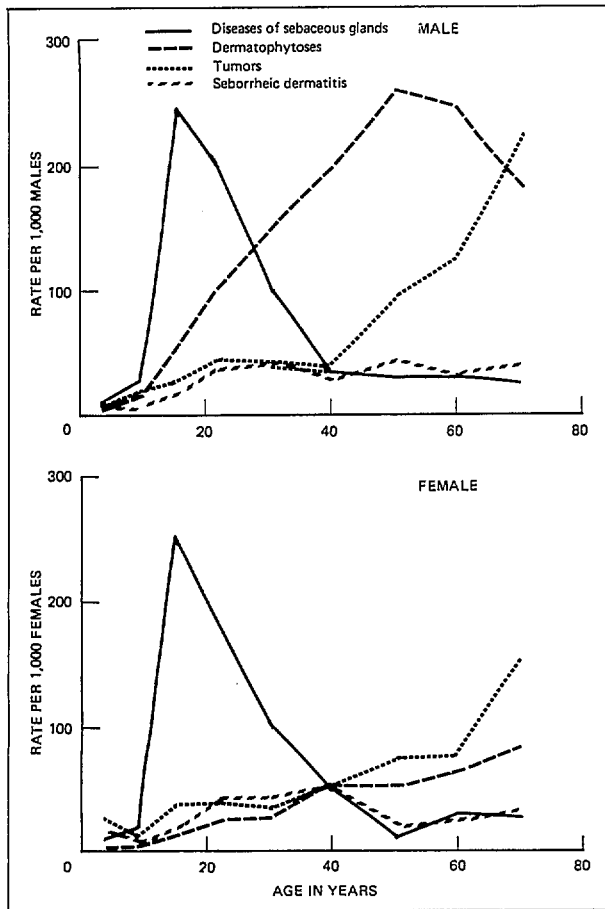


Figure 7. Prevalence rates for the 4 most frequently occurring types of skin pathology among persons 1-74 years, by age and sex: United States, 1971-1974

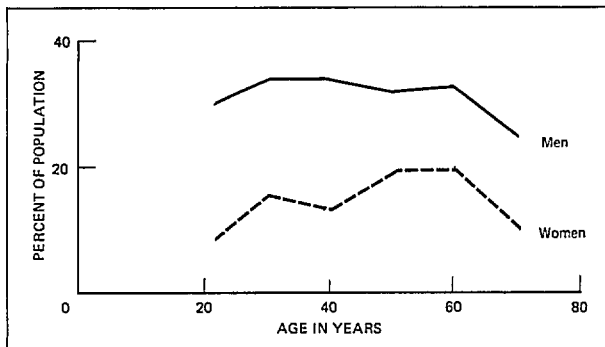


Figure 8. Prevalence rates for significant skin pathology with occupational exposure among persons 18-74 years, by age and sex: United States, 1971-1974

Approximately one in six persons with active significant skin pathology diagnosed also has a significant skin condition suppressed or in remission at the time of the examination; among those with significant skin conditions in remission, about one-third also have active pathology. The prevalence rate of significant active and suppressed pathology is 47.4 per 1,000 persons, the rate generally increasing with age from 12.4 at age 1-5 years to 68.4 per 1,000 at age 55-64 years.

The coexistence of active and suppressed skin pathology is greater among males than among females from age 6-64 years (table 5).

The most prevalent of the specific types of skin condition suppressed or in remission are the contact dermatitides (31.9 per 1,000 persons), diseases of the sweat and sebaceous glands (19.3 per 1,000), atopic dermatitis and eczema (16.0 per 1,000), dermatophytoses (11.0 per 1,000), benign and malignant tumors (10.5 per 1,000), and infections of the skin including evidence of a history of verruca vulgaris (10.4 per 1,000) as shown in table 6.

Nonsignificant pathology.—The dermatologists recorded all skin pathologies identified in various stages of the examination, whether the condition was considered significant or not. Mild seborrheic dermatitis, for example, would not be considered sufficiently serious to warrant a visit to a physician. Nevertheless, it would be recognized as an other-than-normal scalp condition and its presence recorded. By gathering such data it is possible to determine the total prevalence of the various types of skin conditions in the U.S. population as identified in this survey examination and the extent to which each was considered a significant health problem (table 6).

The most prevalent of the skin conditions, as shown in table B, is the group of disorders that includes traumatic and surgical scars, ephelides, and other dermatitides that affect more than half the population age 1-74 years; ichthyosis and keratosis, 43 percent; malignant and benign tumors, 36 percent; diseases of the sweat and sebaceous glands, 21 percent; diseases of the circulatory system, other than the veins, including Osler-Weber's disease, telangiectasis, and similar

Table B. Prevalence rates for selected significant and nonsignificant types of skin conditions and proportion of each type rated as significant among persons 1-74 years: United States, 1971-1974

Condition and NYU code ¹	Skin conditions			Proportion classed as significant
	Total	Significant	Nonsignificant	
	Rate per 1,000 population			Percent
Other skin disorders (vitiligo, traumatic scars, ephelides, etc.)716	516.2	27.5	488.7	5.3
Ichthyosis, keratosis710	432.7	21.8	410.9	5.0
Tumors, malignant and benign, and leukemias 19X,20X,22X,23X,23Y, excluding 22X,44X	357.1	56.7	300.4	15.9
Malignant tumors 19X	11.6	5.9	5.7	50.9
Diseases of sweat and sebaceous glands.....714	209.5	87.0	122.5	41.5
Other diseases of circulatory system (Osler's disease, telangiectasis, etc.)467-468	182.7	1.0	181.7	0.5
Corns, callosities709	156.9	3.2	153.7	2.0
Lichen planus707	140.6	0.8	139.8	0.6
Seborrheic keratosis 22X44X	124.1	5.2	118.9	4.2
Seborrheic dermatitis.....700	116.7	28.5	88.2	24.4
Diseases of veins (varicose veins, phlebitis, etc.).....460-466	95.6	7.5	88.1	7.8
Dermatophytoses.....131	81.1	81.1	-	100.0
Diseases of buccal cavity, salivary glands, lips, pancreas, etc.530-587	62.0	2.4	59.6	3.9
Infections of skin (boils, impetigo, infectious warts, etc.).....690-698	60.0	15.9	44.1	26.5
Contact dermatitides703	53.9	13.6	40.3	25.2
Diseases of hair and hair follicles713	50.5	15.8	34.7	31.3
Pruritus.....708	25.8	13.7	12.1	53.1
Psoriasis706	14.3	8.8	5.5	61.5
Malignant tumors..... 19X	11.6	5.9	5.7	50.9
Deep fungal infections.....132-134	4.4	2.4	2.0	54.5
Injuries, adverse effects of chemicals and other external conditions850-999	3.8	3.7	0.1	97.4
Zoonoses135-137	1.0	0.8	0.2	80.0
Leishmaniasis and other parasitic diseases.....120-130	0.2	0.1	0.1	50.0

¹See reference 8.

conditions, 18 percent; corns and callosities, 16 percent; lichen planus, 14 percent; seborrheic keratoses, 12 percent; and seborrheic dermatitis, nearly 12 percent.

Extent of Concern for Skin Pathology

Nearly one-eighth (118.2 per 1,000 persons) or an estimated 22.9 million of the U.S. popula-

tion 1-74 years of age have one or more skin conditions about which they complain or express concern (table 7). For most of these persons (96 percent with such conditions or a rate of 113.6 per 1,000 in the population), a specific condition affecting their hands, feet, or other part of the body was identified as the cause of their concern (table 8). For the remaining 4 percent (rate of 4.6 per 1,000 in the population) with multiple types of skin complaints, the pathology was more generalized, not limited to one or two specific areas of the body.

For some 9 percent of those who complained about an identified type of skin condition, it is one that affected their hands; for 16 percent, their feet; and for 75 percent, their face, neck, or other area of the body.

Nearly one-third (31 percent) of persons with significant skin pathology diagnosed by the dermatologists express concern about these specific skin conditions; nearly 18 percent of those who complain about their skin conditions are concerned about conditions not considered serious or significant by the dermatologists (table 7).

Skin complaints are more prevalent among youths and adults than among children age 1-11 years, the prevalence rates being 2½ to 3½ times greater than those among children, but showing no other significant trend with age. Rates for significant pathology not of concern to the affected individual increase with age from 1-24 years, drop back at age 25-44 years, then steadily increase with age; the proportion with nonsignificant pathology of concern tend to decrease slightly with age among adults (table 7 and figure 9).

Skin conditions of concern to the affected individual are slightly, but not significantly, more prevalent among males and among females (rates of 128.2 per 1,000 and 108.8 per 1,000, respectively), but only from 18-74 years of age are the rates among males consistently the higher (figure 10).

Males are slightly more likely to be concerned about a significant type of skin pathology at age 35-64 years than are females, and preschool-age girls are somewhat more likely to be concerned than are boys of like age. Concern regarding nonsignificant skin pathology is about as likely to be expressed by males as by females except at ages 1-5 years, 12-17 years, and 55-64

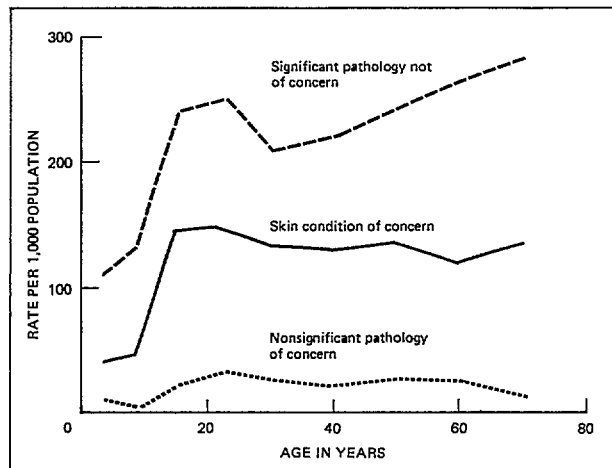


Figure 9. Prevalence rates for skin conditions of concern (complaints), significant skin pathology not of concern, and nonsignificant skin pathology of concern among persons 1-74 years, by age: United States, 1971-1974

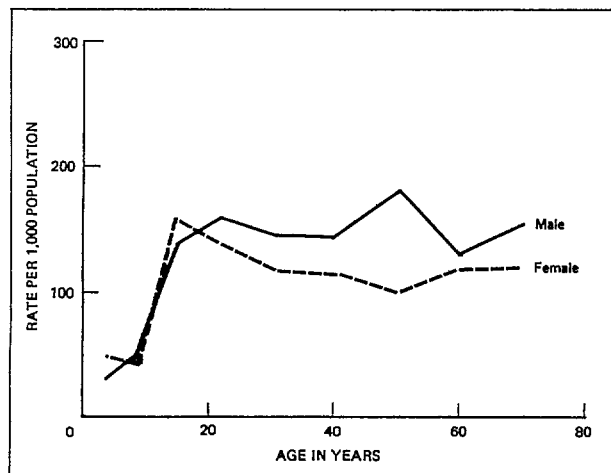


Figure 10. Prevalence rates for skin conditions of concern (complaints) among persons 1-74 years, by age and sex: United States, 1971-1974

years where these rates are higher among females and age 45-54 where the rate among males is the higher.

Types of conditions of concern.—The most frequently reported skin complaints are those affecting the sebaceous glands (28.2 per 1,000 persons 1-74 years of age), dermatophytoses (fungal conditions—21.6 per 1,000 persons), atopic dermatitis and eczema (allergies and related conditions—10.8 per 1,000 persons), malignant and benign tumors (8.1 per 1,000 persons),

Table C. Rank order and rates (greater than 3.0 per 1,000 population) of the most prevalent types of skin conditions of concern (complaints), within each age group: United States, 1971-1974

1-5 years	6-11 years	12-17 years
Atopic dermatitis, eczema (10.9) Contact dermatitis (3.9)	Atopic dermatitis, eczema (14.5) Verruca vulgaris (6.8) Contact dermatitis (3.7) Dermatophytoses (3.1)	Diseases of sebaceous glands (86.4) Dermatophytoses (9.0) Atopic dermatitis, eczema (8.4) Contact dermatitis (5.5) Tumors, malignant and benign (4.4) Ichthyosis, keratosis (3.4) Verruca vulgaris (3.1)
18-24 years	25-34 years	35-44 years
Diseases of sebaceous glands (71.4) Dermatophytoses (15.6) Contact dermatitis (8.7) Atopic dermatitis, eczema (7.7) Folliculitis (4.6) Tumors, malignant and benign (4.2) Psoriasis (3.1)	Diseases of sebaceous glands (35.4) Dermatophytoses (27.7) Atopic dermatitis, eczema (16.4) Seborrheic dermatitis (9.9) Contact dermatitis (6.7) Psoriasis (3.9)	Dermatophytoses (39.8) Diseases of sebaceous glands (17.6) Contact dermatitis (10.3) Atopic dermatitis, eczema (9.2) Seborrheic dermatitis (5.9) Folliculitis (5.2) Tumors, malignant and benign (3.6)
45-54 years	55-64 years	65-74 years
Dermatophytoses (49.6) Tumors, malignant and benign (14.6) Seborrheic dermatitis (12.3) Psoriasis (10.4) Atopic dermatitis, eczema (9.0) <i>Malignant tumors</i> ¹ (7.5) Contact dermatitis (4.4)	Dermatophytoses (22.9) Tumors, malignant and benign (19.6) Atopic dermatitis, eczema (8.9) Contact dermatitis (8.3) Psoriasis (7.2) Diseases of sebaceous glands (5.4) <i>Malignant tumors</i> ¹ (5.2) Seborrheic dermatitis (4.4)	Tumors, malignant and benign (34.6) Dermatophytoses (21.8) Atopic dermatitis, eczema (10.5) <i>Malignant tumors</i> ¹ (8.5) Seborrheic dermatitis (7.6) Contact dermatitis (5.8) Psoriasis (4.9) Seborrheic keratosis (4.7) Vitiligo (3.3)

¹Subgroup of tumors, malignant and benign.

contact dermatitis (6.4 per 1,000 persons), seborrheic dermatitis (chronic inflammation—5.4 per 1,000 persons), and psoriasis (3.8 per 1,000 persons) (table 8). These are the principal conditions of concern among both males and females, although the proportion of females concerned about fungal conditions (8.2 per 1,000) is substantially less than that of males (35.9 per 1,000), consistent with the lower prevalence of such conditions among females.

Among children 1-11 years, atopic dermatitis is the most prevalent skin complaint; at ages 12-34 years the major complaint is about diseases of the sebaceous glands; from 35-64

years, the dermatophytoses; and in the oldest group 65-74 years, malignant and benign tumors (tables 9-11, C, and figure 11). The trend with age for the more prevalent skin conditions of concern is generally similar to that for the significant conditions diagnosed, although the rates for the former are, as expected, consistently lower (figures 5 and 12).

Persons with significant skin conditions diagnosed in the survey examination are most likely to express concern if the condition is psoriasis (of those diagnosed 69 percent expressed concern), atopic dermatitis (59 percent concerned), contact dermatitis (47 percent concerned),

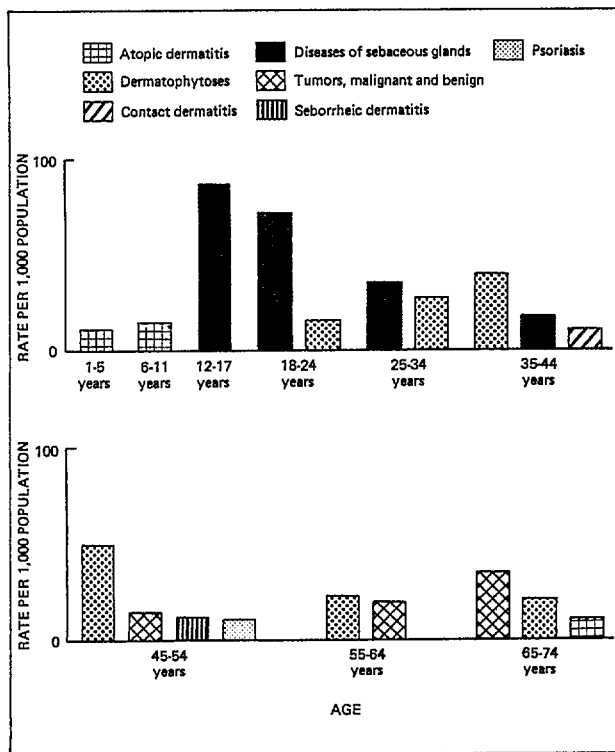


Figure 11. Prevalence rates for the major types of skin conditions of concern (complaints) within each age group among persons 1-74 years: United States, 1971-1974

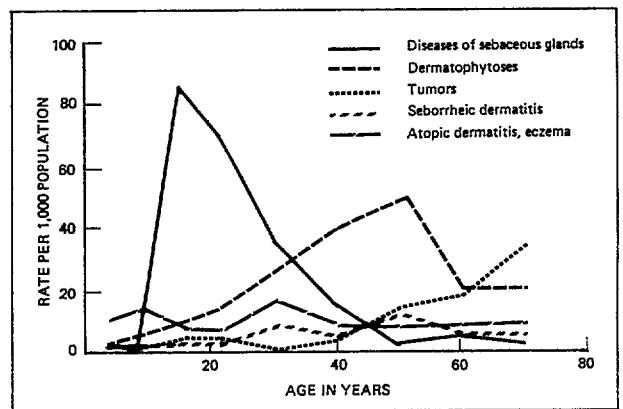


Figure 12. Prevalence rates for the major types of skin conditions of concern (complaints) among persons 1-74 years, by age: United States, 1971-1974

malignant tumors (34 percent concerned) and diseases of the sebaceous glands (33 percent concerned) (tables 1, 8, and D).

Males are the most likely to express concern about conditions of psoriasis (64 percent concerned), atopic dermatitis and eczema (60 percent concerned), contact dermatitis (50 percent concerned), malignant tumors (36 percent concerned), and diseases of the sebaceous glands (33 percent concerned). Among females, the most

Table D. Proportion of persons with selected specific types of significant skin pathology who complained about the condition, within each age group: United States, 1971-1974

1-5 years	6-11 years	12-17 years
None	Contact dermatitis (76%) Atopic dermatitis, eczema (72%) Verruca vulgaris (52%)	Psoriasis (88%) Contact dermatitis (64%) Urticaria (56%)
18-24 years	25-34 years	35-44 years
Seborrheic keratosis (225%) Psoriasis (207%) Contact dermatitis (61%) Atopic dermatitis, eczema (50%) Herpes simplex (50%)	Seborrheic keratosis (175%) Contact dermatitis (70%) Psoriasis (63%) Atopic dermatitis, eczema (59%) Vitiligo (53%)	Atopic dermatitis, eczema (63%) Contact dermatitis (61%)
45-54 years	55-64 years	65-74 years
Psoriasis (91%) Malignant tumors ¹ (79%) Atopic dermatitis, eczema (65%)	Folliculitis (71%) Atopic dermatitis, eczema (70%) Psoriasis (66%)	Ichthyosis, keratosis (100%) Atopic dermatitis, eczema (57%) Psoriasis (52%)

¹Subgroup of tumors, malignant and benign.

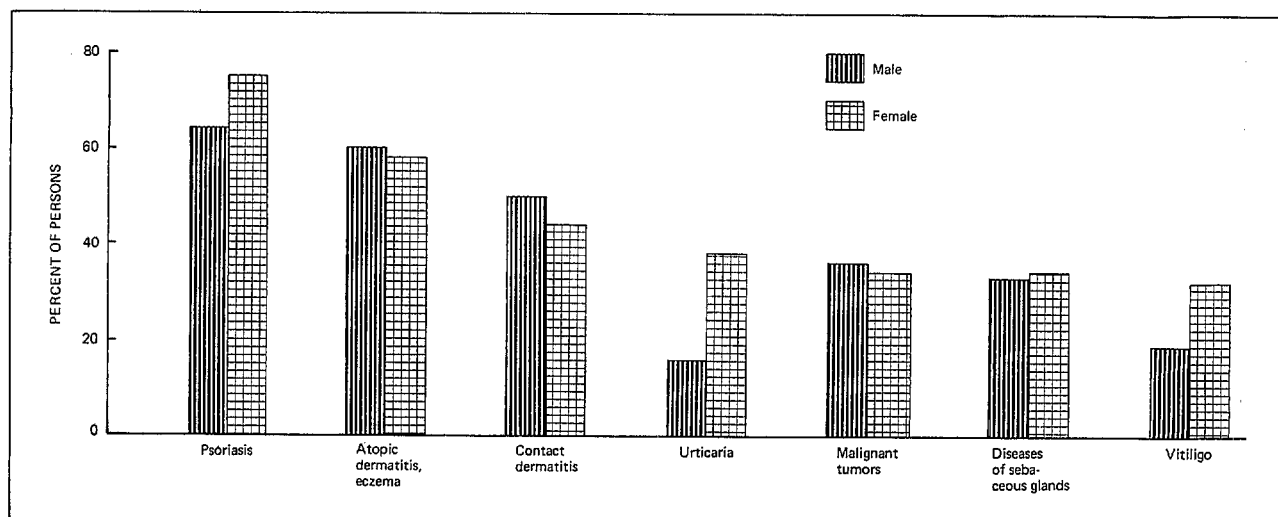


Figure 13. Percent of persons 1-74 years with selected significant skin pathology who are concerned about the condition, by sex: United States, 1971-1974

frequently cited conditions of concern are psoriasis (74 percent), atopic dermatitis and eczema (58 percent), contact dermatitis (44 percent), urticaria (38 percent), malignant tumors (34 percent), diseases of the sebaceous glands (34 percent), and vitiligo (32 percent) as shown in tables 1 and 8 and figure 13.

Recurrence and Duration of Skin Pathology of Concern

An estimated 62.8 per 1,000 in the U.S. civilian noninstitutionalized population age 1-74 years or 56 percent of those with skin complaints indicate that the condition or conditions are recurrent. Those conditions affecting the hands and feet are slightly more likely to be recurrent (66 and 64 percent, respectively) than those on the face or other parts of the body (54 percent) (tables 7, 12, and E).

Skin conditions affecting the feet are significantly more likely to be recurrent among males (70 percent) than among females (45 percent) as are those affecting the hands (70 percent compared with 60 percent for females); those skin conditions affecting the face and other parts of the body are only slightly less likely to be recurrent in males (52 percent) than in females (56 percent).

The recurrence of skin conditions of concern shows no consistent increasing or decreasing

trend with age among youths or adults. For all types of such conditions the proportion that recurred is highest at age 25-44 years and lowest among children age 1-5 years. Conditions affecting the hands are the most likely to be recurrent among young children age 1-5 years (100 percent) and adults age 45-54 years (78 percent), but least likely to be recurrent among the oldest adult age group in this study (46 percent at age 65-74 years) and children age 6-11 years (50 percent). Skin conditions affecting the feet are the most likely to be recurrent among younger adults age 25-44 years (77 percent at 35-44 years and 70 percent at 25-34 years) and least likely to be a (recurrent) problem among children 1-11 years (0 percent at 1-5 years and 35 percent at 6-11 years). The recurrence rate for conditions affecting the face and other parts of the body is highest among young adults 18-34 years (66 percent at 25-34 years and 56 percent at 18-24 years) among whom acne vulgaris and other diseases of the sebaceous glands (although just past the peak prevalence for such conditions at 12-17 years) are still the most prevalent of the skin conditions of concern in those age groups, making up about one-half and one-quarter of all skin conditions of concern at 18-24 and 25-34 years, respectively.

Nearly half (49 percent) of recurrent skin conditions have been active in the preceding 7-12 months, 30 percent longer ago than 12

Table E. Percent of persons 1-74 years with skin conditions of concern (complaints), by the recurrence and duration of condition, the degree of resultant handicap or disfigurement, part of body affected, and sex, showing selected standard errors: United States, 1971-1974

Recurrence, duration, and handicap	One or more areas of body affected			Hands			Feet			Other area(s)		
	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female
Percent of persons with skin condition of concern												
Condition recurrent	56.3	57.5	55.0	65.8	70.2	60.0	63.5	69.6	45.2	53.6	51.8	55.5
Recurrent condition active in:												
Past 12 months ¹	69.7	69.7	69.6	73.2	71.4	75.5	70.8	77.9	49.7	69.0	66.8	71.1
Past 3 months ¹	11.8	10.6	13.3	22.0	22.4	21.4	9.5	10.6	6.1	11.0	8.9	13.2
Past 6 months ¹	20.7	20.1	21.4	36.2	38.1	33.6	18.1	21.0	9.6	19.3	17.2	21.4
Condition present:												
Less than 2 years	16.8	16.1	17.8	23.8	23.3	24.6	10.0	8.9	13.4	17.4	17.4	17.5
2-4 years	21.5	19.0	24.6	20.1	14.0	28.1	14.7	14.8	14.3	23.2	21.0	25.3
5 years or more	61.6	70.1	57.7	56.1	62.7	47.3	75.3	76.3	72.3	59.4	61.6	57.2
Condition limits activity:												
To any extent	8.9	7.7	10.3	14.9	12.0	18.7	8.2	6.6	13.0	8.3	7.4	9.1
10 percent or less	6.0	5.4	6.8	10.4	7.7	14.0	5.8	5.6	6.2	5.5	4.9	6.1
More than 25 percent	0.8	0.5	1.1	1.0	1.1	0.8	1.4	0.3	4.9	0.6	0.5	0.7
Degree of handicap to employment or housework:												
Severe	1.4	1.3	1.6	2.4	1.6	3.5	1.4	0.3	4.7	1.3	1.6	1.0
Minimal	8.5	9.7	6.5	23.6	14.6	35.9	7.7	6.6	11.0	6.8	7.2	6.4
None	90.1	89.0	91.9	74.0	83.8	60.6	90.9	93.1	84.3	91.9	91.2	92.6
Degree of handicap to social relations:												
Severe	1.3	0.7	1.8	1.1	-	2.5	0.7	0.1	2.5	2.4	1.1	1.7
Minimal	31.4	27.0	36.5	27.4	25.8	29.4	9.0	8.6	10.2	36.6	32.9	40.1
None	67.3	72.3	61.7	71.5	74.2	68.1	90.3	91.3	87.3	62.0	66.0	58.2
Standard error of percent												
Condition recurrent	---	---	---	8.39	7.35	6.01	4.99	5.12	8.08	3.05	3.57	3.77
Recurrent in past 12 months	---	---	---	5.96	7.72	7.72	5.17	4.97	8.04	3.52	3.46	2.96
Present—less than 2 years	---	---	---	2.84	3.67	3.55	3.08	3.86	2.62	1.08	1.73	1.34
Condition limits activity	---	---	---	4.53	3.72	7.73	2.66	3.04	4.01	1.69	1.19	2.33
Employment-housework handicap:												
Severe	---	---	---	1.41	1.63	2.42	0.79	0.30	3.20	0.80	0.61	0.73
Minimal	---	---	---	6.15	4.82	9.22	2.08	2.95	4.72	1.58	1.98	1.56
None	---	---	---	6.09	4.72	8.97	2.38	2.98	4.51	1.72	2.26	1.66
Social handicap:												
Severe	---	---	---	1.40	2.35	2.45	3.61	-	2.62	0.82	2.53	2.42
Minimal	---	---	---	4.19	4.33	8.42	1.86	2.24	3.03	3.37	2.71	4.88
None	---	---	---	4.28	4.33	8.49	1.92	2.24	3.59	3.37	2.57	5.01

¹Percent of those whose skin condition is recurrent.

months, and 21 percent within the preceding 6 months (table E).

Duration.—The majority of skin complaints have been present for 5 years or longer (62 percent). Those affecting the feet are more likely to have been present this length of time (75 percent) than those affecting the hands (56 percent) and other parts of the body (59 percent). Males are more likely to have skin conditions of

concern that have persisted at least 5 years (70 percent) than are females (58 percent), the rates being significantly lower among females only for skin conditions affecting the hands (table E).

Handicap From Skin Condition

Activity limitation.—Skin complaints are reported to limit activity of 10.5 per 1,000 of

the population age 1-74 years or 9 percent of those persons with such skin conditions (table E). However, only about one-third of these persons indicated that their activity is more than minimally limited (more than 10 percent) by their skin condition(s). Males are slightly less likely than females are (8 percent compared with 10 percent) to report any limitation but among those with some degree of this the proportion with more than minimal limitation is similar in both sexes (3 percent). No consistent trend with age is evident in the proportion with such limitation from a skin condition, although adults 55-64 years of age and children 6-11 years of age are slightly more likely than those of other ages to have such limitation (12 percent compared with 5-10 percent).

Conditions affecting the hands are more likely to limit activity (15 percent) than are those affecting the feet (8 percent) or other parts of the body. Females are more likely than males are to have skin conditions affecting their hands and feet, which limit their activity.

Degree of handicap to employment or housework.—About 10 percent of those persons with skin complaints consider the condition(s) to be a handicap to their employment or housework (table E). Only 1 percent indicate they were severely handicapped, and the remaining 9 percent consider the handicap to be minimal. Conditions on the hands are more likely than those on the feet or other parts of the body to be considered a handicap (26 percent of skin conditions of concern on the hands compared with 9 percent of those on the feet and 8 percent of those on other parts of the body) and such conditions on the hands are somewhat more likely than those on the feet or elsewhere to be considered a severe handicap (2 percent on the hands compared with 1 percent elsewhere).

The proportion with handicapping (for employment or housework) skin conditions among all those with skin complaints is, as expected, lowest among children age 1-11 years (less than 3 percent) and highest at 25-34 years (12 percent), 55-64 years (12 percent), and 18-24 years (11 percent) (figure 14). Among males, only at age 18-24 years does the proportion considered handicapping exceed 1 in 8, reaching the maximum of 15 percent; among females, this proportion is exceeded at ages 25-

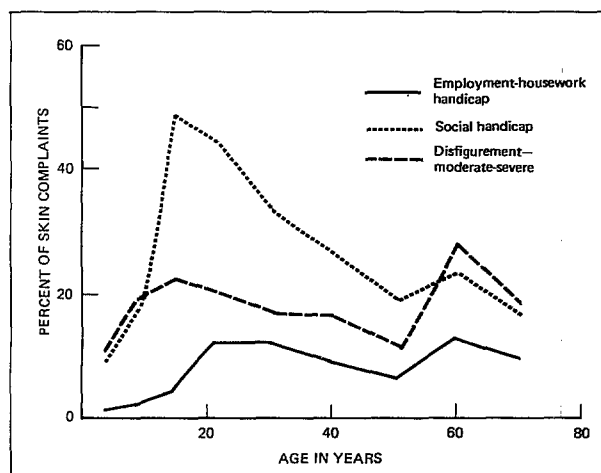


Figure 14. Percent of skin conditions of concern (complaints) considered social or employment-housework handicap by the individual or to be disfiguring to at least some extent by the examiner, by age: United States, 1971-1974

34 years (16 percent) and 35-54 years (13 percent) (tables 7 and 12).

Although there is no consistent age-related trend in the proportion with handicapping (for employment or housework) skin conditions, girls of age 12-17 years are more likely to consider skin conditions of the hands and feet to be a handicap than not (58 percent of those skin conditions affecting the hands are rated as a handicap compared with 42 percent not so rated, and 60 percent of conditions affecting the feet are considered handicapping). Adult women 55-64 years of age are also more likely to consider skin conditions on the hands (but not the feet) as being handicapping than not (63 percent compared with 37 percent not considered handicapping); about one-half of those women 18-34 years of age consider skin conditions on their hands to be handicapping.

The handicap from skin conditions of concern is substantially more likely to be minimal than severe, except for those affecting the hands and feet of girls 12-17 years of age and those affecting parts of the body other than hands and feet of men age 45-54 years.

Social handicap.—An estimated 35.1 per 1,000 of the U.S. population 1-74 years of age or about one-third (33.0 percent) of those persons with skin conditions that concern them indicate that the condition(s) is (are) a handicap

in their social relations (tables 12 and E). The proportion increases with age among children from less than 10 percent among those of preschool age to a maximum of 47 percent among youths age 12-17 years, then decreases with increasing age among adults to less than 17 percent at age 65-74 years (figure 14). The proportion socially handicapped from their skin condition is substantially greater among females (34 percent) than among males (25 percent), the pattern being consistent across the age range in this study.

Extent of disfigurement.—More than two-thirds (68.1 percent) of the skin conditions of concern to the individual affected are rated as disfiguring by the dermatologist examiner (table F). The disfigurement is substantially more likely to be minimal (48 percent) than moderate or severe (20 percent). Skin conditions on the face and parts of the body other than the hands and feet and skin conditions on the hands are more likely to be rated as disfiguring (71 percent and 69 percent, respectively) than skin conditions on the feet (54 percent). The examiners are slightly more likely to rate skin conditions of females as disfiguring to any extent and as moderately or severely disfiguring than those of males whether the hands, feet, or other parts of the body were affected. For each sex, skin conditions on the feet are the least likely of the three sites to be considered (by the examiner) as disfiguring to any extent, as well as the least likely to be considered moderately or severely disfiguring.

Children ages 1-11 and adults 45-54 years are least likely to have skin conditions rated as disfiguring to any extent by the examiner (about 50 percent of those with skin conditions of concern to person affected); these rates are highest among youths age 12-17 years and adults 55-74 years of age. Moderately or severely disfiguring skin conditions are least prevalent among preschool-age children 1-5 years old and adults age 45-54 years, but most prevalent among those older adults age 55-64 years (figure 14).

Discomfort From Skin Condition

Pain or burning.—An estimated 22.6 per 1,000 in the U.S. civilian noninstitutionalized population age 1-74 years or nearly one-fourth

(22.8 percent) of those with skin complaints indicate they felt a burning sensation or pain to some degree from the condition(s) (tables 12 and F). The pain or burning sensation is rated as moderate or severe for nearly one-third of these people (6.4 percent of those with skin conditions of concern). Conditions affecting the hands or feet are less likely than those affecting other parts of the body to be reported to cause at least some pain or burning.

School-age children 6-17 years old are the least likely to have these symptoms (16 percent at 6-11 years and 14 percent at 12-17 years); preschool age children are the most likely (32 percent). Young adults age 25-34 years are slightly more likely to have these symptoms (25 percent) than older or younger adults.

Males are less likely than females to report symptoms of burning or pain from skin conditions on their hands and feet, but are slightly more likely to do so for conditions affecting the face or other parts of their bodies.

Itching.—Nearly one-half (45.4 percent) of persons with one or more skin complaints indicate that the condition(s) itched minimally (25 percent) or to a moderate or severe degree (20 percent). Preschool-age children 1-5 years of age are most likely to have such symptoms (58 percent) and, when they do, to have moderate or severe itching (64 percent) than minimal (36 percent); young adults age 18-24 years are the least likely to indicate that the skin condition(s) itched (26 percent), but those 25-34 years of age are the least likely to have a moderate or severe itching (30 percent). Males are slightly more likely to report such symptoms (48 percent compared with 42 percent of females) but, when they do, to consider the itching minimal (table F).

Motion limitation.—Skin condition(s) are extensive enough or located in areas so that they cause limitation of motion for nearly 6 percent of persons who have skin conditions that concerned them (table F). The rates are highest among the oldest adults, age 65-74 years and the lowest among adults age 45-64 years. Males are about as likely as females are to have such limitation from skin conditions that concerned them (5 percent of males, 6 percent of females) and both sexes are more likely to have a minimal (4 percent) than moderate or severe limitation (1

Table F. Percent distribution of persons 1-74 years with skin conditions of concern (complaints) by extent of discomfort from condition, according to part of body affected and sex, showing selected standard errors: United States, 1971-1974

Extent of discomfort	One or more areas of body affected			Hand			Foot			Other area(s)		
	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female
Percent distribution of persons with skin conditions of concern												
Extent of disfigurement:												
Moderate-severe	20.4	19.1	21.7	18.8	19.4	18.1	12.1	9.7	19.2	22.3	22.1	22.4
Minimal	47.7	46.4	49.4	50.0	48.1	52.5	41.5	41.7	40.7	48.8	47.6	50.0
None.....	31.9	34.5	28.9	31.2	32.5	29.4	46.4	48.6	40.1	28.9	30.3	27.6
Causing pain or burning:												
Moderate-severe	6.4	5.9	7.0	7.9	6.5	9.7	9.8	7.0	18.3	5.5	5.4	5.5
Minimal	16.4	17.3	15.2	31.6	28.6	35.7	25.6	25.7	25.2	12.5	13.1	11.9
None.....	77.2	76.8	77.8	60.5	64.9	54.6	64.6	67.3	56.5	82.0	81.5	82.6
Causing itching:												
Moderate-severe	20.4	19.3	21.7	20.6	10.8	33.8	18.5	19.6	14.9	20.8	20.4	21.1
Minimal	25.0	28.9	20.2	40.2	46.9	31.1	35.7	40.0	22.1	20.8	22.8	18.8
None.....	54.6	51.8	58.1	39.2	42.3	35.1	45.8	40.4	63.0	58.4	56.8	60.1
Causing motion limitation:												
Moderate-severe	1.3	1.1	1.6	0.5	0.2	1.0	1.4	-	5.6	1.4	1.5	1.3
Minimal	4.3	4.3	4.2	9.8	11.2	7.7	3.8	2.9	6.7	3.7	3.8	3.6
None.....	94.4	94.6	94.1	89.7	88.6	91.3	94.8	97.1	87.7	94.9	94.7	95.1
Causing overall discomfort:												
Moderate-severe	16.3	14.4	18.6	11.4	6.4	18.5	14.2	12.9	18.2	17.4	16.0	18.7
Minimal	41.7	44.4	38.4	52.8	56.3	48.0	52.8	55.0	46.0	37.9	39.3	36.6
None.....	42.0	41.2	43.0	35.8	37.3	33.5	33.0	32.1	35.8	44.7	44.7	44.7
Standard error of percent												
Disfigurement:												
Moderate-severe	---	---	---	---	---	---	---	---	---	---	---	---
Minimal	---	---	---	5.19	7.07	5.95	4.15	5.95	9.50	2.07	2.33	2.70
None.....	---	---	---	5.42	6.61	5.95	4.64	5.92	7.77	2.33	3.23	2.55
Pain or burning:												
Moderate-severe	---	---	---	2.42	3.83	3.63	2.34	2.41	4.91	0.90	1.20	1.02
Minimal	---	---	---	4.90	6.06	7.82	4.92	5.67	6.34	1.22	1.88	1.69
None.....	---	---	---	---	---	---	---	---	---	---	---	---
Itching:												
Moderate-severe	---	---	---	3.31	4.10	5.30	2.70	3.60	2.90	1.35	2.01	1.98
Minimal	---	---	---	4.74	6.30	5.58	4.74	5.68	6.05	1.48	2.62	1.73
None.....	---	---	---	---	---	---	---	---	---	---	---	---
Motion limitation:												
Moderate-severe	---	---	---	0.34	0.18	0.80	1.07	-	4.49	0.28	0.52	0.31
Minimal	---	---	---	2.44	3.53	3.49	1.12	1.07	2.48	0.43	0.61	0.86
None.....	---	---	---	---	---	---	---	---	---	---	---	---
Overall discomfort:												
Moderate-severe	---	---	---	2.70	2.28	5.45	3.10	5.10	6.90	2.10	2.69	2.30
Minimal	---	---	---	4.87	5.49	7.52	4.08	5.09	6.80	2.48	3.54	2.87
None.....	---	---	---	---	---	---	---	---	---	---	---	---

percent of males and nearly 2 percent of females).

Overall discomfort.—More than half (58.0 percent) of those persons with skin complaints have some overall discomfort from the condition, the rates being slightly higher at age 1-5

years and lower at age 12-17 years than at other ages (table F). Only about one-fourth (28 percent) of those with some overall discomfort from the skin condition(s) indicate the discomfort was more than minimal; this proportion ranges from a maximum at age 6-11 years (60

percent) to a minimum at 12-17 years (46 percent). Females are nearly as likely as males to have some overall discomfort from a skin condition (57 for females, 59 for males), but when they do to indicate moderate or severe discomfort (33 percent compared with 24 percent).

Disfigurement—handicap or disability.— Nearly all (89 percent) of those persons who consider their skin condition(s) a social handicap to some degree are also rated as disfigured by the examiners. This agreement is slightly closer among adults age 45-64 years and youths age 12-17 years (nearly 95 percent) than other persons among whom the proportion rated as disfigured of those considering themselves socially handicapped by their skin condition ranges from 80 percent at age 35-44 years to 88 percent at age 65-74 years with no consistent age-related trend. The agreement is slightly better for females (92 percent) than for males (86 percent) (table G and figure 15).

The agreement between the examiner's rating of some disfigurement and the individual's indication that his or her skin condition is a handicap to employment or housework is slightly less than that for social handicap, the proportion being 80 percent and again being somewhat higher among females (82 percent) than among males (77 percent).

More than two-thirds of those persons with some overall discomfort from their condi-

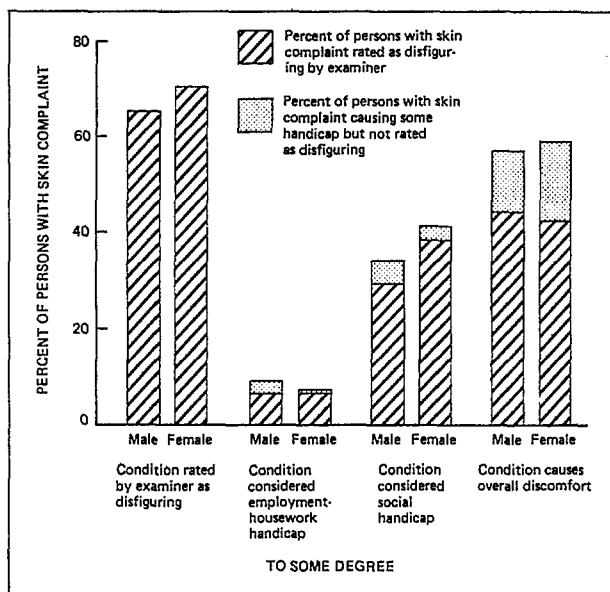


Figure 15. Percent of males and females 1-74 years with skin conditions of concern (complaints) rated as disfiguring by examiner or causing some type of handicap to the affected person: United States, 1971-1974

tion(s) are also rated as disfigured to some degree by the examiners. No consistent trend with age is evident in this agreement, the proportion with some discomfort who are also rated as disfigured ranges from 57 percent at ages 6-11 years and 45-54 years to 82 percent at age 55-64

Table G. Percent distribution of persons 1-74 years with skin conditions of concern (complaints) reporting some degree of resultant handicap—employment-housework, social, or overall discomfort—by examiner's rating of extent of disfigurement, age, and sex: United States, 1971-1974

Type of handicap and degree of disfigurement	Both sexes 1-74 years	1-5 years	6-11 years	12-17 years	18-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	1-74 years	
		Male	Female									
Percent distribution of persons with some degree of specified handicap from skin complaint												
Employment-housework handicap with disfigurement rated:												
Moderate-severe.....	39.3	-	100.0	63.2	34.2	37.2	35.6	36.3	34.0	42.4	35.8	42.4
Minimal.....	40.7	-	-	26.4	47.3	44.8	32.2	41.8	49.2	37.2	41.6	39.9
None.....	20.0	100.0	-	10.4	18.5	18.0	32.2	21.9	16.8	20.4	22.6	17.7
Social handicap with disfigurement rated:												
Moderate-severe.....	37.2	73.2	31.6	34.4	34.5	39.5	36.4	31.7	53.7	39.6	35.6	38.4
Minimal.....	51.9	8.1	52.8	60.2	51.2	47.4	44.1	62.6	41.1	48.4	50.1	53.4
None.....	10.9	18.7	15.6	5.4	14.3	13.1	19.5	5.7	5.2	12.0	14.3	8.2
Overall discomfort with disfigurement rated:												
Moderate-severe.....	25.6	19.2	21.5	37.2	24.8	22.7	20.9	17.5	38.1	25.6	23.8	27.8
Minimal.....	43.8	43.6	36.1	38.1	50.1	50.1	43.3	39.6	44.0	46.9	43.6	44.2
None.....	30.6	37.2	42.4	24.7	25.1	27.2	35.8	42.9	17.9	27.5	32.6	28.0

years and is slightly lower among males (67 percent) than among females (72 percent).

Adequacy of Treatment for Skin Condition

More than 2 percent (21.5 per 1,000) of the U.S. civilian noninstitutionalized population

1-74 years of age or nearly one-fifth (18.9 percent) of those persons with skin condition(s) about which they express concern are now under the best care possible for the condition(s) (tables 13 and H). The proportions are slightly higher among children age 1-11 years and lower among young adults age 18-24 years than among adults age 35-74 years. The proportion that the

Table H. Percent of persons 1-74 years with skin conditions of concern (complaints), by type of care sought, adequacy of present treatment, reasons for not seeking care, part of body affected, and sex, showing selected standard errors: United States, 1971-1974

Care status	One or more areas of body affected			Hands			Feet			Other area(s)		
	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female
Percent of persons with skin conditions of concern												
Care sought from:												
Nonprofessional.....	16.2	17.5	14.7	18.5	18.7	18.2	17.4	19.8	10.2	15.7	16.6	14.8
Pharmacy.....	5.1	5.4	4.7	4.5	2.2	7.5	7.9	10.4	0.5	4.6	4.3	4.8
Physician.....	24.1	21.3	27.5	28.9	27.8	30.3	19.6	18.0	24.3	24.5	21.4	27.5
Dermatologist.....	18.2	15.6	21.3	19.4	18.5	20.5	9.2	10.6	5.0	19.9	16.8	23.1
Under best care now.....	18.9	15.1	23.5	21.0	17.2	26.0	10.2	6.5	21.0	20.5	17.5	23.5
Expert care would improve.....	93.7	93.8	93.4	91.9	88.2	97.2	92.3	92.4	91.9	94.2	95.1	93.2
No advice sought.....	50.1	55.8	43.7	---	---	---	---	---	---	---	---	---
Inadequate advice given.....	14.9	13.9	16.0	---	---	---	---	---	---	---	---	---
Did not cooperate with doctor.....	6.1	6.3	5.9	---	---	---	---	---	---	---	---	---
Other reasons for not seeking medical care:												
Too far to doctor.....	0.9	0.7	1.1	---	---	---	---	---	---	---	---	---
No transportation.....	0.5	0.3	0.8	---	---	---	---	---	---	---	---	---
Insufficient money.....	3.7	3.2	4.2	---	---	---	---	---	---	---	---	---
Other.....	7.9	7.0	9.0	---	---	---	---	---	---	---	---	---
Standard error of percent												
Care sought from:												
Nonprofessional.....	---	---	---	4.52	5.38	6.19	3.70	4.57	2.71	2.36	2.94	2.82
Pharmacy.....	---	---	---	2.50	1.85	5.49	3.38	4.51	5.44	1.32	1.30	1.45
Physician.....	---	---	---	4.08	5.83	5.18	2.91	3.21	6.62	1.58	2.01	2.42
Dermatologist.....	---	---	---	3.82	4.33	5.35	2.35	2.96	2.86	1.17	1.99	1.61
Under best care now.....	---	---	---	3.16	3.92	5.23	3.05	2.95	6.02	1.73	2.68	2.76
Expert care would improve.....	---	---	---	2.66	3.80	1.77	2.31	2.49	4.30	1.18	1.35	1.47
No advice sought.....	1.69	2.37	2.14	---	---	---	---	---	---	---	---	---
Inadequate advice given.....	1.44	1.72	1.79	---	---	---	---	---	---	---	---	---
Did not cooperate with doctor.....	0.82	1.19	1.02	---	---	---	---	---	---	---	---	---
Other reasons for not seeking medical care:												
Too far to doctor.....	0.24	0.35	0.40	---	---	---	---	---	---	---	---	---
No transportation.....	0.21	0.27	0.33	---	---	---	---	---	---	---	---	---
Insufficient money.....	0.68	0.91	0.80	---	---	---	---	---	---	---	---	---
Other.....	1.10	0.98	1.53	---	---	---	---	---	---	---	---	---

dermatologist examiner consider as now receiving the best care ranges from 27 percent of preschool children age 1-5 years to 13 percent among young adults age 18-24 years (table H and figure 16). Females are more likely than males are to be receiving the best care possible (24 percent compared with 15 percent of those with skin complaints).

Skin conditions affecting the feet are substantially less likely than those on the hands or other parts of the body to be receiving the best available treatment (10 percent for those on the feet compared with 21 percent for those on the hands and 20 percent for those on the face or other parts of the body). Males are less likely than females are to have skin condition(s) under the best care, regardless of the location of the condition(s), the difference being greatest (and large enough to be statistically significant) for those on the feet (6 percent for males compared with 21 percent for females).

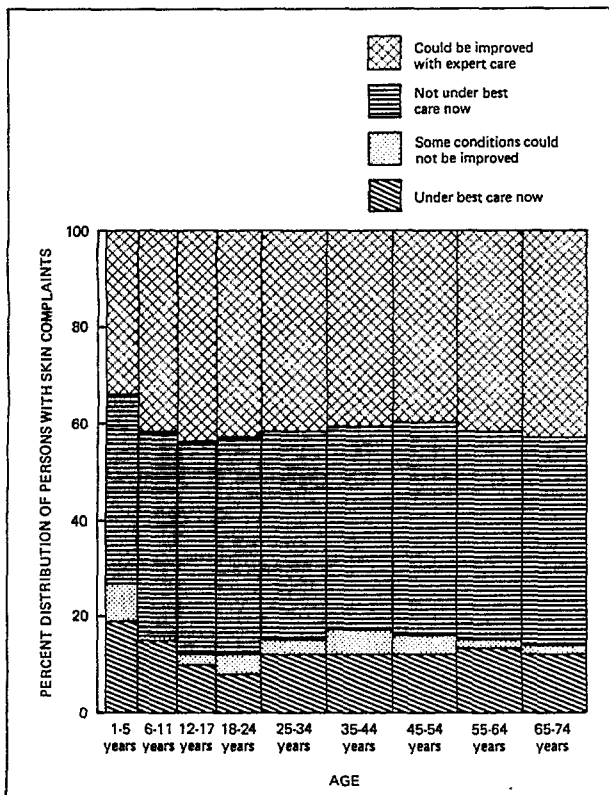


Figure 16. Percent distribution of persons with skin conditions of concern (complaints), by adequacy of treatment for condition(s) and age: United States, 1971-1974

Among the remaining (81 percent) persons 1-74 years of age with skin conditions that concern them but who are not now receiving the best care available for the condition, about 94 percent of the persons with complaints have conditions that could be improved with expert care. These proportions range from 84 percent among preschool-age children 1-5 years to 96 percent in the oldest age group 65-74 years (table J). The proportion that could be improved is similar among males and females and is nearly as high for conditions affecting the hands or feet (92 percent) as those on other parts of the body (94 percent).

About one-half of the U.S. population 1-74 years of age with skin conditions of concern to them have not sought medical advice for the problem. The proportion is lowest among children 1-11 years of age (37 percent) and adults 55-64 years (38 percent), and highest among youths 12-17 years (66 percent).

Males are more likely than females are to have not sought medical care for skin conditions that concern them (56 percent compared with 44 percent) and across the ages from 12-74 years the proportion who had not sought such care is consistently higher among males.

In addition to those (50 percent) not seeking medical care, nearly 15 percent have been given medical advice that the dermatologist examiner considered inadequate. This proportion ranges from 8 percent at age 12-17 years to 20 percent at age 55-64 years but shows no consistent trend with age (table J). Males are about as likely as females are to have received inadequate medical advice concerning their skin problem (14 percent compared with 16 percent).

About 6 percent of those with skin conditions that concern them did not cooperate with the doctors they had consulted, the proportion being similar among males and females.

Other obstacles to improvement cited by the persons with skin conditions of concern are that they were too far from the doctor (0.9 percent), that transportation to the doctor was not available (0.5 percent), that they had insufficient money for such medical care (3.7 percent), and a variety of other reasons (7.9 percent) including "not being aware the condition could be treated," "under care but discouraged because

Table J. Percent of persons with skin conditions of concern (complaints), by reason no care was sought and adequacy of treatment sought, according to age and sex: United States, 1971-1974

Treatment status	Both sexes 1-74 years	1-5 years	6-11 years	12-17 years	18-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years	1-74 years	
											Male	Female
Percent of persons with skin complaints												
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
No medical advice sought	50.1	36.8	36.5	65.9	49.4	55.1	49.1	43.3	37.7	52.5	55.8	43.7
Too far to doctor	0.9	2.8	-	-	0.4	1.0	1.2	1.8	0.9	1.2	0.7	1.1
No transportation	0.5	1.0	-	-	0.4	0.5	0.3	1.7	-	1.0	0.3	0.8
Insufficient money	3.7	3.5	8.7	1.9	5.8	2.0	2.2	4.9	5.0	2.1	3.2	4.2
Other reason	7.9	11.0	9.2	7.1	7.3	7.0	12.8	7.9	3.5	8.5	7.0	9.0
No reason given	37.1	18.5	18.6	56.9	35.5	44.6	32.6	27.0	28.3	39.7	44.6	28.6
Medical advice sought	49.9	63.2	63.5	34.1	50.6	44.9	50.9	56.7	62.3	47.5	44.2	56.3
Care inadequate	14.9	14.8	16.7	8.0	15.0	14.7	16.1	17.5	20.2	14.9	13.9	16.0
Did not cooperate with doctor	6.1	4.7	8.2	3.4	7.6	3.4	4.2	9.0	6.4	11.5	6.3	5.9
Under best care now	18.9	30.4	23.7	16.7	14.3	17.7	20.8	19.5	20.6	20.9	15.1	23.5
Care could be improved	10.0	13.3	14.9	6.0	13.7	9.1	9.8	10.7	15.1	0.2	8.9	10.9
No medical advice sought	50.1	36.8	36.5	65.9	49.4	55.1	49.1	43.3	37.7	52.5	55.8	43.7
Expert care would improve	44.9	25.9	33.1	60.4	44.4	50.3	43.3	33.9	32.8	49.1	50.5	38.7
Expert care would not improve	5.2	10.9	3.4	5.5	5.0	4.8	5.8	9.4	4.9	3.4	5.3	5.0
Medical advice sought	49.9	63.2	63.5	34.1	50.6	44.9	50.9	56.7	62.3	47.5	44.2	56.3
Under best care now	18.9	30.4	23.7	16.7	14.3	17.7	20.8	19.5	20.6	20.9	15.1	23.5
Expert care would improve	31.0	32.8	39.8	17.4	36.3	27.2	30.1	37.2	41.7	26.6	29.1	32.8
Total not under best care	81.1	69.6	76.3	83.3	85.7	82.3	79.2	80.6	79.4	79.1	84.9	78.5
Could be improved with expert care	75.9	58.7	72.9	77.8	80.7	77.5	73.4	71.1	74.5	75.7	79.6	71.5
Could not be improved with expert care	5.2	10.9	3.4	5.5	5.0	4.8	5.8	9.4	4.9	3.4	5.3	5.0

there was no improvement so stopped," "treatment was too painful," "medication needed for other condition was causing the skin eruption," "condition does not bother person that much," "person knows cause," and "person is treating himself or herself." In each category of other obstacles to improvement the proportions are slightly higher among females than among males.

Care for skin conditions is most likely to have been sought from a nondermatologist physician (24.1 percent of those with skin conditions that concerned them), a dermatologist (18.2 percent), or a nonprofessional (16.2 percent), and least likely from a pharmacist (5.1 percent) or from a podiatrist or osteopath (less than 1 percent) (table H). As expected, physicians are usually consulted for such conditions of preschool-age children 1-5 years (42 percent compared with 17 percent for whom care was sought from a dermatologist, pharmacist, or nonprofessional). Among school-age children 6-11 years, a nondermatologist physician (31

percent) or dermatologist (21 percent) is more likely to have been consulted than is a nonprofessional (8 percent) or pharmacist (0.4 percent). Among youths, a nonprofessional is the most likely to have been consulted rather than a nondermatologist physician or dermatologist. Females are more likely than males are to have consulted either a nondermatologist physician (25 percent for females compared with 21 percent for males) or a dermatologist (20 percent for females compared with 15 percent for males); the males are more likely than females are to have sought care from a nonprofessional (17 percent compared with 14 percent for females).

Comparison With Previous Studies

Published national estimates of the prevalence of various types of chronic skin conditions among the U.S. civilian noninstitutionalized

population of all ages based on findings from the Health Interview Survey of 1969¹³ are available for comparison with the findings in this report from the dermatology examination of the 1971-1974 Health and Nutrition Examination Survey. In comparing the estimates based on findings from the national probability samples in the two surveys, it should be kept in mind that the Health Interview Survey data were obtained through household interview of a responsible adult for all members of the household in answer to the question "During the past 12 months did anyone in the family have any of these conditions?" Skin conditions on the list used by the interviewer included tumor, cyst, or growth; eczema or psoriasis; trouble with dry or itching skin; trouble with acne; skin ulcer; any kind of skin allergy; dermatitis or other skin trouble. These conditions were later classified using the *Eighth Revision International Classification of Diseases, Adapted for Use in the United States (ICDA)*.¹⁴ Conditions considered chronic irrespective of onset and those which had their onset more than 3 months prior to the week of the interview and lasted more than 3 months were all considered chronic.

The national prevalence estimates for the 10 groups of skin conditions identified in the Health Interview Survey (HIS) and the rates for these groups based on significant pathology, nonsignificant pathology, and skin complaint

findings from the dermatology component of the Health and Nutrition Examination Survey are shown in table K. Estimates for the fungal conditions—dermatophytoses or dermatomycoses—and for chronic infections of the skin and subcutaneous tissue are substantially less, and the rates for corns and callosities and diseases of the nails are substantially higher from HIS than the HANES estimates based on significant pathology or skin complaints. The prevalence of corns and callosities and diseases of the nails, which increase markedly with age, would also be expected to be somewhat higher from HIS than from HANES since only the former survey included persons 75 years and older.

The national prevalence estimates for acne among youths 12-17 years of age from the 1971-1974 Health and Nutrition Examination Survey and that from the standard physician examination in the 1966-1970 Health Examination Survey among a probability sample of youths are in close agreement—25.0 per 100 youths from the present HANES data and 28.3 per 100 youths from the 1966-1970 HES data when the latter are limited to the moderate to severe (II-IV) grades of acne.¹⁵

Information on the extent of medical care received by the civilian noninstitutionalized U.S. population, characteristics of the persons seeking such care, and the type of care given by physicians (doctors of medicine and doctors of

Table K. Prevalence of selected skin conditions from the Health Interview Survey (HIS) of 1969 and the dermatology component of the Health and Nutrition Examination Survey (HANES) of 1971-1974: United States

Condition	ICDA code used in HIS, 1969	NYU code used in HANES, 1971-1974	HIS, 1969	HANES, 1971-1974		
				Significant pathology	Nonsignificant pathology	Skin complaints
				Prevalence rates per 1,000 population ¹		
Dermatophytoses and dermatomycoses	110,111	131	2.7	81.1	---	21.6
Chronic infections of skin and subcutaneous tissue.....	680-682,684-686	690-698	1.5	15.9	44.1	² 2.8
Eczema, dermatitis, and urticaria.....	690-693,708	700,701,703,704p,243	30.2	53.8	161.5	17.6
Psoriasis and similar disorders	696	706	6.5	8.8	5.5	² 3.8
Other inflammatory conditions of skin and subcutaneous tissue.....	694,695,697,698	704p,705,707,708	7.2	19.3	158.5	---
Corns and callosities.....	700	709	41.5	3.2	153.7	0.6
Other hypertrophic and atrophic diseases of skin.....	701	710	8.8	21.8	410.9	1.3
Diseases of nail.....	703	712	22.9	2.7	---	0.5
Diseases of sebaceous glands	706	7141-7149	19.7	84.8	120.4	28.2
Other diseases of skin and subcutaneous tissue	702,704,705,707,709.0p,709.1,709.9	713,7140,715,716	5.4	45.7	525.5	---

¹National estimates for the civilian noninstitutionalized population of all ages from HIS and for ages 1-74 years from HANES.

²Prevalence of complaints for these 2 groups will slightly exceed these values.

osteopathy) in their offices is obtained through national probability samples of physician practice in the National Ambulatory Medical Care Survey (NAMCS). From the 1975 findings of NAMCS,¹⁶ there were an estimated 28.6 million visits to physicians offices for conditions in which the primary diagnosis was a disease of the skin and subcutaneous tissue (ICDA codes 680-709). Nearly half of these (49 percent) were return visits to the same physician.

The prevalence of chronic conditions and related information among the U.S. institutionalized patients living in nursing homes is obtained through national probability samples of such homes in the National Nursing Home Survey (NNHS). From the findings of the NNHS of August 1973-April 1974,¹⁷ an estimated 6,000 of the 1,075,800 residents or 5.6 per 1,000 residents had a primary diagnosis at their last examination of a disease of the skin and subcutaneous tissue (ICDA codes 680-709). At that time, 75 percent of the residents of such homes were 75 years or older.

SUMMARY

Skin condition findings as well as the extent of resultant handicap and related need for medical care among persons 1-74 years of age in the civilian noninstitutionalized population of the United States as determined through the Health and Nutrition Examination Survey of 1971-1974 are described and analyzed in this report. Age and sex differences in these factors are included.

The dermatology examination component of this survey was planned and closely supervised by the Data Collection Unit of the Committee on Planning for the National Program of the National Academy of Dermatology. For the survey, a national probability sample of 28,043 persons was selected to represent the 194 million of that age at midsurvey time in the target population. Of these sample persons, the 20,749 or 74 percent examined by the survey dermatologists (when the data are adjusted for the differential sampling ratios used in the age-sex-income-defined population subgroups) represent an effective response rate of 75 percent.

Nearly one-third (312.4 per 1,000 popula-

tion) or an estimated 60.6 million of the U.S. civilian noninstitutionalized population age 1-74 years have some skin pathology that should be evaluated by a physician at least once.

The most prevalent of the significant skin conditions are those affecting the sebaceous glands (84.8 per 1,000 population) including acne vulgaris; dermatophytoses or fungal diseases (81.1 per 1,000); malignant or benign tumors (56.5 per 1,000); seborrheic dermatitis (28.5 per 1,000); atopic dermatitis and eczema (18.4 per 1,000); and contact dermatitis (13.6 per 1,000).

The prevalence of significant skin pathology increases rapidly with age from 142.3 per 1,000 preschool-age children to 365.1 per 1,000 young adults age 18-24 years due primarily to the increase in acne vulgaris; then decreases slightly at 25-34 years before starting the consistent increase with age from such skin conditions as psoriasis, vitiligo, malignant and benign tumors, and actinic and seborrheic keratoses.

Nearly one-eighth (118.2 per 1,000) or an estimated 22.9 million of the U.S. population age 1-74 years have one or more skin conditions about which they complained or expressed concern. Nearly one-third of the persons with skin conditions that the survey dermatologists determined should be evaluated by a physician at least once express concern about their condition; an additional one-fifth (18 percent) complain about skin conditions the examiners did not feel were serious.

The majority of skin complaints have been present 5 years or longer, with skin conditions affecting the feet more likely than those affecting the hands or other parts of the body to have been present this long.

Among persons with skin complaints, 9 percent indicate the condition limited their activity to some extent, 10 percent consider it a handicap in their employment or housework, and about one-third feel it was a social handicap to at least some extent.

The dermatological examiners rated more than two-thirds of those persons with skin complaints as disfigured to some extent from the condition; about one-fifth of those were rated moderately or severely disfigured.

More than half of those persons with skin

complaints report some overall discomfort from the condition, such as itching or burning. For nearly 6 percent of those with skin complaints, the condition is extensive enough to cause limitation of motion.

Nearly one-fifth of those persons with skin complaints are receiving the best possible care for the condition. Of the remaining 81 percent who are not, nearly all (94 percent) could, in the judgment of the survey dermatologist examiners, be improved with more expert care; this proportion ranges from 84 percent among preschool-age children to 96 percent among the oldest age group in this study (65-74 years).

About one-half of those persons with skin

complaints have not sought medical advice for the condition; an additional 15 percent who did are, in the opinion of the dermatologist examiner, given inadequate medical advice. About 6 percent did not cooperate with the doctors they had consulted. Other obstacles to improvement are cited by 13 percent of persons with skin complaints, including insufficient money (nearly 4 percent), too far from the doctor or transportation not available (1.4 percent), not being aware the condition could be treated, discouraged with the treatment, treatment was too painful, medication needed for other condition was causing eruptions, and persons were treating themselves.



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Table 1. Prevalence of significant skin pathology of all types and the most frequently occurring types of conditions among persons 1-74 years, by sex, showing rates, number of persons affected, and selected standard errors: United States, 1971-1974

Condition and NYU code ¹	Both sexes	Male	Female	Both sexes	Male	Female
	Rate per 1,000 population			Number in thousands		
Persons with one or more significant skin conditions	312.4	339.8	286.6	60,601	31,988	28,613
Significant skin conditions, all types	439.7	499.4	383.4	85,287	47,018	38,269
Diseases of sebaceous glands.....7141-7149	84.8	87.9	81.9	16,465	8,279	8,186
Acne vulgaris.....714150	68.1	70.5	65.9	13,217	6,638	6,579
Cystic acne.....714180	1.9	3.3	0.6	375	312	63
Acne scars.....714190	1.7	2.0	1.3	321	192	129
Xerosis.....714930	6.5	5.3	7.7	1,260	497	763
Dermatophytoses	81.1	131.4	33.7	15,733	12,372	3,361
Tinea pedis.....1310	38.7	68.4	10.7	7,509	6,438	1,071
Tinea unguium.....1312	21.8	30.3	13.9	4,232	2,856	1,376
Tinea versicolor.....131910	8.4	10.9	6.0	1,623	1,022	601
Tinea cruris.....13131	6.7	12.9	0.9	1,301	1,214	87
Tumors ²19X,22X,23X,23Y	56.5	59.6	53.7	10,968	5,606	5,362
Malignant.....19X	5.9	6.4	5.3	1,136	602	534
Basal-cell epithelioma.....19X1	4.1	4.7	3.5	796	445	351
Benign ²22X	38.2	35.8	40.5	7,412	3,372	4,040
Lipoma.....22X959	2.1	2.6	1.6	401	244	157
Precancerous and not specified.....23X,23Y	12.4	17.4	7.9	2,420	1,632	788
Actinic keratosis.....23X081	9.6	13.9	5.5	1,858	1,306	552
Seborrheic dermatitis	28.5	26.7	30.1	5,520	2,514	3,006
Seborrheic dermatitis, type not indicated.....700010	28.2	26.4	29.9	5,476	2,490	2,986
Atopic dermatitis, eczema.....701,708300,708310,708320	18.4	19.5	17.4	3,575	1,837	1,738
Atopic dermatitis.....708310	6.9	8.2	5.6	1,332	771	561
Lichen simplex chronicus.....708320	4.5	4.7	4.4	882	441	441
Hand eczema.....701000	1.6	1.1	2.1	311	105	206
Nummular eczema.....701010	1.7	1.0	2.4	332	92	240
Dyshidrotic eczema.....701030	2.1	3.1	1.2	405	288	117
Contact dermatitis.....703	13.6	13.8	13.4	2,641	1,303	1,338
Ichthyosis, keratosis.....710130,710150	9.5	9.3	9.6	1,835	880	955
Verruca vulgaris.....696030	8.5	10.3	7.2	1,684	967	717
Folliculitis.....713908	8.0	12.3	4.0	1,553	1,154	399
Psoriasis.....706090	5.5	5.9	5.1	1,070	556	514
Seborrheic keratosis.....22X44X	5.2	4.6	5.8	1,010	431	579
Vitiligo.....716210	4.9	3.6	6.2	957	341	616
Urticaria (hives, etc.).....242-243	4.8	3.8	5.8	933	354	578
Herpes simplex.....096	4.2	4.0	4.5	824	376	448
All other skin conditions	106.2	106.7	105.0	20,519	10,048	10,472
	Standard error of rate					
Persons with one or more significant skin conditions	20.05	21.06	20.13	---	---	---

¹See reference 8.

²Excludes seborrheic keratosis (22X44X) which is listed with benign tumors in the NYU classification.

Table 2. Prevalence of significant skin pathology of all types and the most frequently occurring types of conditions among persons 1-74 years, by age, showing rates and standard errors: United States, 1971-1974

Condition and NYU code ¹	1-5	6-11	12-17	18-24	25-34	35-44	45-54	55-64	65-74
	years	years	years	years	years	years	years	years	years
	Rate per 1,000 population								
Persons with one or more significant skin conditions.....	142.3	174.2	362.0	365.1	318.0	328.2	356.8	361.0	409.5
Significant skin conditions, all types.....	166.4	195.4	468.5	499.9	452.9	475.2	529.7	563.9	654.8
Diseases of sebaceous glands7141-7149	6.3	21.4	249.9	191.1	99.6	44.1	21.5	32.0	25.5
Acne vulgaris.....714150	0.4	11.9	231.9	172.2	83.6	25.4	8.7	2.5	0.7
Cystic acne.....714180	-	-	2.0	5.4	5.2	2.6	-	-	0.1
Acne scars.....714190	-	-	4.5	5.2	0.9	1.7	0.9	-	-
Xerosis.....714930	2.8	6.7	3.9	3.7	4.0	6.8	5.4	15.3	14.9
Dermatophytoses.....131	3.4	8.4	33.2	61.7	87.7	121.5	155.7	150.8	126.8
Tinea pedis.....1310	0.4	4.0	14.1	24.9	49.1	62.0	80.9	57.9	59.6
Tinea unguium.....1312	-	0.9	1.9	7.0	13.4	24.9	46.2	68.5	54.7
Tinea versicolor.....131910	1.1	1.5	10.2	17.8	9.9	13.0	7.2	7.3	2.3
Tinea cruris.....13131	-	-	4.7	6.7	10.2	11.7	13.1	8.9	1.3
Tumors ²19X,22X,23X,23Y	21.7	18.9	31.3	43.0	39.6	46.8	84.9	100.2	184.1
Malignant.....19X	-	-	0.5	0.1	0.1	3.2	9.5	18.9	36.4
Basal-cell epithelioma.....19X1	-	-	-	0.1	-	3.2	9.1	13.3	19.9
Benign ²22X	21.7	18.9	30.7	40.7	38.9	38.2	52.9	44.9	68.1
Lipoma.....22X959	-	0.8	-	0.9	0.6	1.6	5.3	4.4	7.7
Precancerous and not specified.....23X,23Y	-	-	0.1	2.2	0.6	5.4	22.5	36.4	79.6
Actinic keratosis.....23X081	-	-	-	-	-	1.5	15.9	32.8	65.1
Seborrheic dermatitis.....700	9.8	6.7	18.8	38.7	41.9	41.6	31.9	28.7	36.4
Seborrheic dermatitis, type not indicated.....700010	9.6	6.7	18.5	38.7	41.9	41.1	31.9	27.4	36.3
Atopic dermatitis, eczema.....701,708300,708310,708320	24.9	20.0	17.0	15.4	28.0	14.7	13.9	12.8	18.3
Atopic dermatitis.....708310	19.3	13.8	10.7	5.1	6.0	1.4	2.4	1.0	1.7
Lichen simplex chronicus.....708320	-	1.7	4.1	1.2	5.8	5.5	5.2	9.4	10.3
Hand eczema.....701000	-	-	0.2	0.3	4.9	3.7	1.5	1.9	0.9
Nummular eczema.....701010	1.9	1.3	0.6	4.9	2.5	0.1	0.7	0.6	3.2
Dyshidrotic eczema.....701030	-	1.9	0.4	2.6	5.9	1.3	4.0	-	0.4
Contact dermatitis.....703	13.9	4.9	8.6	14.2	9.6	17.0	16.7	23.6	20.4
Ichthyosis, keratosis.....710130,710150	8.6	15.5	16.7	8.8	11.5	7.7	2.7	7.0	1.5
Verruca vulgaris.....696030	4.7	13.1	15.5	12.4	6.3	6.2	8.9	2.4	3.6
Folliculitis.....713908	1.2	3.2	5.3	18.9	15.4	12.8	5.5	2.1	1.1
Psoriasis.....706090	3.1	1.9	2.5	1.5	6.2	4.9	11.4	10.9	9.5
Seborrheic keratosis.....22X44X	0.2	-	-	0.4	0.4	4.5	9.7	18.3	24.4
Vitiligo.....716210	0.6	5.5	1.0	3.6	3.0	3.4	5.9	12.6	13.6
Urticaria (hives, etc.).....242-243	3.1	1.8	3.4	4.3	4.6	3.6	8.8	7.6	7.4
Herpes simplex.....096	3.4	5.3	5.1	3.2	5.2	4.8	2.8	3.3	4.9
All other skin conditions.....	61.5	68.8	60.2	82.7	93.9	141.6	149.4	151.6	177.3
	Standard error of rate								
Persons with one or more significant skin conditions.....	13.03	18.45	28.57	27.50	24.90	25.28	23.08	23.27	24.91

¹See reference 8.

²Excludes seborrheic keratosis (22X44X) which is listed with benign tumors in the NYU classification.

Table 3. Prevalence of significant skin pathology of all types and the most frequently occurring types of conditions among males 1-74 years, by age: United States, 1971-1974

Condition and NYU code ¹	Male								
	1-5 years	6-11 years	12-17 years	18-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years
	Rate per 1,000 males								
Persons with one or more significant skin conditions.....	135.9	182.4	363.6	393.4	358.4	335.8	438.0	424.4	467.8
Significant skin conditions, all types	155.8	209.7	477.2	564.7	532.8	508.4	677.4	717.9	782.4
Disease of sebaceous glands7141-7149	4.9	19.5	248.0	206.6	102.6	38.2	30.0	31.7	25.7
Acne vulgaris.....714150	-	6.7	232.5	182.8	85.1	17.7	15.3	5.3	1.6
Cystic acne.....714180	-	-	2.4	9.3	10.8	3.5	-	-	0.2
Acne scars.....714190	-	-	3.5	8.9	-	3.1	1.2	-	-
Xerosis.....714930	3.1	9.1	3.9	2.7	1.5	5.5	4.6	9.6	11.8
Dermatophytoses.....131	3.6	12.4	54.0	101.8	152.9	198.4	268.5	247.5	186.5
Tinea pedis.....1310	0.8	7.1	26.0	46.7	94.0	106.4	153.4	98.8	95.9
Tinea unguium.....1312	-	1.2	3.7	10.0	21.4	34.2	64.7	103.2	71.3
Tinea versicolor.....131910	1.0	2.5	10.9	24.7	11.5	17.7	9.4	10.2	4.9
Tinea cruris.....13131	-	-	9.2	13.8	19.3	21.8	24.6	18.5	2.9
Tumors ²19X,22X,23X,23Y	14.5	22.1	25.5	44.9	41.4	41.1	92.3	128.4	222.7
Malignant.....19X	-	-	1.0	-	-	3.5	11.3	20.6	44.0
Basal-cell epithelioma.....19X1	-	-	-	-	-	3.5	10.7	15.5	27.1
Benign ²22X	14.5	22.1	24.3	42.1	40.1	30.8	48.0	50.2	65.5
Lipoma.....22X959	-	-	-	1.8	1.3	0.9	5.7	8.1	10.9
Precancerous and not specified.....23X,23Y	-	-	0.2	2.8	1.3	6.8	33.0	57.6	113.2
Actinic keratosis.....23X081	-	-	-	-	-	1.8	25.4	53.2	96.3
Seborrheic dermatitis.....700	7.1	5.5	13.9	37.6	40.5	28.8	40.1	32.0	39.3
Seborrheic dermatitis, type not indicated.....700010	7.1	5.5	13.9	37.6	40.5	28.8	40.1	29.3	39.3
Atopic dermatitis, eczema.....701,708300,708310,708320	21.2	29.3	19.4	10.7	28.9	10.1	17.4	14.2	23.3
Atopic dermatitis.....708310	17.0	19.7	15.5	5.6	5.7	-	3.6	-	1.6
Lichen simplex chronicus.....708320	-	3.0	2.5	1.1	6.9	1.1	4.7	11.9	18.0
Hand eczema.....701000	-	-	-	-	3.1	4.3	-	2.3	-
Nummular eczema.....701010	-	2.6	-	-	2.9	-	1.2	-	1.6
Dyshidrotic eczema.....701030	-	2.5	-	3.5	8.1	2.4	7.7	-	0.2
Contact dermatitis.....703	11.2	5.7	6.9	19.5	9.6	14.2	14.1	33.1	18.0
Ichthyosis, keratosis.....710130,710150	10.7	18.4	12.7	10.3	10.4	6.8	3.1	3.5	2.0
Verruca vulgaris.....696030	5.2	12.8	14.8	21.5	7.4	8.5	8.7	2.6	4.5
Folliculitis.....713908	2.0	3.5	7.5	29.9	25.4	22.2	6.3	1.2	2.5
Psoriasis.....706090	5.8	1.2	-	-	9.9	3.1	10.4	15.2	14.4
Seborrheic keratosis.....22X44X	-	-	-	-	-	4.3	10.4	15.3	24.4
Vitiligo.....716210	0.2	4.3	1.1	3.1	2.1	-	3.5	9.5	16.4
Urticaria (hives, etc.).....242-243	4.4	1.7	1.3	4.0	2.0	0.8	10.5	4.8	7.1
Herpes simplex.....096	2.7	4.8	7.4	0.5	7.6	3.1	4.4	0.6	1.8
All other skin conditions.....	62.3	68.5	64.7	74.3	92.1	128.8	157.7	178.3	193.8

¹See reference 8.

²Excludes seborrheic keratosis (22X44X) which is listed with benign tumors in the NYU classification.

Table 4. Prevalence of significant skin pathology of all types and the most frequently occurring types of conditions among females 1-74 years, by age. United States, 1971-1974

Condition and NYU code ¹	Female								
	1-5 years	6-11 years	12-17 years	18-24 years	25-34 years	35-44 years	45-54 years	55-64 years	65-74 years
	Rate per 1,000 females								
Persons with one or more significant skin conditions.....	148.9	166.0	360.4	338.5	281.2	321.1	282.3	306.1	365.5
Significant skin conditions, all types	177.4	180.7	459.3	439.2	380.0	444.8	394.0	426.5	558.5
Disease of sebaceous glands7141-7149	7.7	23.5	251.8	177.1	96.7	49.5	13.7	32.2	25.3
Acne vulgaris714150	0.7	17.3	231.3	162.2	82.2	32.4	2.7	-	-
Cystic acne714180	-	-	1.6	1.7	-	1.8	-	-	-
Acne scars714190	-	-	5.5	1.9	1.8	0.4	0.7	-	-
Xerosis714930	2.5	4.1	3.9	4.5	6.4	8.0	6.2	20.7	17.5
Dermatophytoses.....131	3.2	4.1	11.4	22.3	28.3	51.1	52.2	64.6	81.8
Tinea pedis1310	-	0.8	1.5	4.5	8.3	21.3	14.5	21.1	32.2
Tinea unguium1312	-	0.7	-	4.2	6.1	16.3	29.2	37.7	42.2
Tinea versicolor131910	1.0	0.6	9.4	11.4	8.5	8.5	5.1	4.7	0.4
Tinea cruris13131	-	-	-	-	1.7	2.4	2.5	0.4	-
Tumors ²19X,22X,23X,23Y	29.2	15.7	37.4	41.1	38.1	52.1	78.3	75.2	154.8
Malignant19X	-	-	-	0.2	0.2	3.0	8.0	17.5	30.5
Basal-cell epithelioma.....19X1	-	-	-	0.2	-	3.0	7.6	11.4	14.6
Benign ²22X	29.2	15.7	37.4	39.4	37.9	45.2	57.5	40.3	70.2
Lipoma22X959	-	1.7	-	-	-	2.4	4.9	1.0	5.2
Precancerous and not specified.....23X,23Y	-	-	-	1.5	-	3.9	12.8	17.4	54.1
Actinic keratosis23X081	-	-	-	-	-	1.2	7.3	14.6	41.6
Seborrheic dermatitis.....700	12.6	7.9	23.8	39.8	43.2	53.3	24.3	25.7	34.2
Seborrheic dermatitis, type not indicated.....700010	12.3	7.8	23.3	39.8	43.2	52.4	24.3	25.7	34.1
Atopic dermatitis, eczema701,708300,708310,708320	28.7	10.6	14.4	19.7	27.2	18.9	10.8	11.7	14.6
Atopic dermatitis708310	21.4	7.7	5.5	4.6	6.3	2.6	1.3	1.9	1.6
Lichen simplex chronicus708320	-	0.4	5.7	1.2	4.7	9.6	5.7	7.1	4.4
Hand eczema701000	-	-	0.3	0.7	6.6	3.2	2.9	1.6	1.6
Nummular eczema701010	4.0	-	1.2	9.6	2.1	0.2	0.2	1.1	4.4
Dyshidrotic eczema701030	-	1.3	0.7	1.7	3.9	0.3	0.7	-	0.4
Contact dermatitis703	16.8	4.1	10.4	9.2	9.4	19.5	19.1	15.3	22.3
Ichthyosis, keratosis710130,710150	6.4	12.5	20.8	7.3	12.6	8.2	2.3	10.1	1.1
Verruca vulgaris696030	4.1	13.4	16.4	4.0	5.1	4.1	9.2	1.1	2.1
Folliculitis713908	0.4	2.8	3.1	8.7	6.1	4.1	4.7	2.8	-
Psoriasis706090	0.2	2.8	5.1	3.1	2.6	6.5	12.4	7.1	5.8
Seborrheic keratosis22X44X	0.5	-	-	0.8	0.9	4.7	9.1	21.1	24.5
Vitiligo716210	1.1	6.7	0.8	4.0	3.9	6.5	8.2	15.4	11.5
Urticaria (hives, etc.)242-243	1.8	1.9	5.6	4.6	6.9	6.2	7.3	10.1	7.7
Herpes simplex096	4.1	5.9	2.8	5.6	2.9	6.5	1.2	1.5	7.1
All other skin conditions	60.6	68.8	55.5	91.9	96.1	153.6	141.2	132.6	165.7

¹See reference 8.

²Excludes seborrheic keratosis (22X44X) which is listed with benign tumors in the NYU classification.

Table 5. Prevalence of significant active skin pathology, significant skin pathology now in remission, and the coexistence of significant active skin pathology and condition(s) in remission among persons 1-74 years, by age and sex, showing rates, selected standard errors, and number of persons affected: United States, 1971-1974

Age and sex	Significant active skin conditions			Significant skin pathology			
	Three types	Two types	One type	In remission			Active and in remission
				One or two types	Only one type	Two types	
Rate per 1,000 population							
Both sexes, 1-74 years	31.6	64.1	216.7	124.9	106.4	18.5	47.4
1-5 years	*4.1	16.0	122.2	69.6	65.0	*4.6	*12.4
6-11 years	*2.7	15.7	155.8	69.1	63.5	*5.6	*16.7
12-17 years	*18.4	69.7	273.9	94.1	82.7	*11.4	41.1
18-24 years	*31.6	71.6	261.9	131.2	117.8	*13.4	51.1
25-34 years	*29.9	75.1	213.0	156.1	133.6	*22.5	60.4
35-44 years	*35.7	75.7	216.8	162.6	131.1	*31.5	52.4
45-54 years	46.7	79.4	230.7	161.3	131.1	*30.3	62.5
55-64 years	63.2	75.6	223.1	145.5	123.8	*21.7	68.4
65-74 years	70.1	105.1	234.3	123.4	111.2	*12.2	62.3
Male, 1-74 years	43.2	73.3	223.3	121.4	104.4	*17.0	51.4
1-5 years	*3.3	*13.3	119.3	62.4	59.5	*2.9	*12.0
6-11 years	*4.6	*18.1	159.7	53.6	46.9	*6.7	*17.5
12-17 years	*24.6	64.4	274.6	92.5	87.5	*5.0	*41.9
18-24 years	*43.7	84.0	265.7	132.1	118.3	*13.8	51.7
25-34 years	*41.0	92.5	224.9	145.5	132.3	*13.2	71.3
35-44 years	*48.2	76.2	211.4	176.4	137.3	*39.1	56.4
45-54 years	*65.0	109.4	263.6	159.5	122.9	*36.6	66.8
55-64 years	99.5	94.6	230.3	152.7	131.3	*21.4	88.3
65-74 years	92.5	129.7	245.6	116.1	101.8	*14.3	62.4
Female, 1-74 years	*20.7	55.4	210.5	128.3	110.3	*18.0	43.6
1-5 years	*4.8	*18.9	125.2	77.1	70.7	*6.4	*12.8
6-11 years	*0.8	*13.2	152.0	85.0	80.6	*4.4	*15.9
12-17 years	*11.8	75.3	273.3	95.7	77.5	*18.2	40.3
18-24 years	*20.3	60.0	258.2	130.4	117.4	*13.0	50.5
25-34 years	*19.8	59.2	202.2	165.8	134.9	*30.9	50.3
35-44 years	*24.2	75.3	221.6	149.9	125.4	*24.5	48.7
45-54 years	*29.9	51.9	200.5	162.9	138.6	*24.3	58.5
55-64 years	*30.8	58.7	216.6	139.1	117.2	*21.9	50.6
65-74 years	53.2	86.6	225.7	128.9	118.3	*10.6	62.2
Standard error of rate							
Both sexes, 1-74 years	7.46	15.10	31.30	---	---	---	---
Male, 1-74 years	8.65	14.70	27.80	---	---	---	---
Female, 1-74 years	6.50	17.40	38.00	---	---	---	---
Number of persons affected in thousands							
Both sexes, 1-74 years	6,127	12,433	42,044	24,236	20,834	3,402	9,193
Male, 1-74 years	4,063	6,904	21,021	11,427	9,826	1,601	4,839
Female, 1-74 years	2,064	5,529	21,020	12,809	11,008	1,801	4,354

Table 6. Prevalence of significant active skin pathology, significant skin pathology in remission, and nonsignificant skin pathology among persons 1-74 years, by type of condition, showing rates and number of persons affected: United States, 1971-1974

Condition and NYU code ¹	Significant skin pathology		Nonsignificant skin pathology	Significant skin pathology		Nonsignificant skin pathology
	Active	Remission		Active	Remission	
	Rate per 1,000 population			Number of persons affected in thousands		
Syphilis.....020-029	0.1	0.7	2.8	8	136	537
Other venereal diseases.....030-039	2.5	0.1	(²)	494	13	(²)
Bacterial diseases.....050-059	-	0.1	(²)	-	21	(²)
Other spirochetal diseases.....070-079	0.2	0.0	(²)	4	7	(²)
Viral diseases.....084-096	4.5	5.9	(²)	878	1,141	(²)
Rickettsial diseases.....100-108	0.3	-	(²)	62	-	(²)
Leishmaniasis and other parasitic diseases.....120-130	0.1	0.1	0.1	23	24	14
Dermatophytoses.....131	81.1	11.0	-	15,734	2,126	-
Deep fungal infections.....132-134	2.4	0.7	2.0	463	140	380
Zoonoses.....135-137	0.8	0.1	0.2	164	16	35
Sarcoidoses and other parasitic diseases.....138	-	0.0	0.1	-	4	27
Malignant tumors.....19X	5.9	5.6	5.7	1,136	1,077	1,112
Bowen's disease, Paget's disease, erythroplasia.....19X0	0.2	-	(²)	36	-	(²)
Basal-cell epithelioma, fibroepithelial tumor.....19X1	4.1	3.4	(²)	796	668	(²)
Baso-squamous epithelioma or carcinoma and related conditions.....19X2	0.7	-	(²)	145	-	(²)
Malignant melanoma, lentigomaligna.....19X6	0.4	0.2	(²)	72	47	(²)
Squamous-cell carcinoma.....19X8	0.3	0.6	(²)	51	111	(²)
Adenocarcinoma and related conditions.....19X9	0.2	1.1	(²)	36	219	(²)
Malignant tumor, skin, NOS.....19XX	-	0.2	(²)	-	32	(²)
Lymphoma, leukemia.....20X	0.1	0.0	0.1	12	5	12
Benign tumor ³22X	38.2	4.8	158.6	7,412	926	30,770
Seborrheic keratosis.....22X44X	5.2	0.4	118.9	1,010	74	23,073
Precancers.....23X	12.1	2.5	136.0	2,347	493	13,704
Tumor, malignancy unknown.....23Y	0.4	0.1	(²)	72	16	(²)
Urticaria.....242-243	4.8	5.9	21.8	933	1,141	4,235
Allergic eczema or dermatitis due to external agent.....244	0.3	3.3	(²)	52	639	(²)
Other allergy.....245	-	0.1	(²)	-	20	(²)
Diseases of thyroid glands.....250-254	-	0.0	(²)	-	5	(²)
Diabetes mellitus.....260	0.9	0.3	(²)	184	57	(²)
Other endocrine disorders.....270-277	0.1	-	(²)	29	-	(²)
Avitaminosis and nutritional deficiencies.....280-286	0.0	0.1	0.1	1	11	28
Lipoidoses and other metabolic diseases.....288-289	1.2	0.2	4.7	235	31	904
Anemias.....290-293	-	0.1	(²)	-	14	(²)
Other blood dyscrasias.....294-299	0.6	0.0	41.5	116	5	8,053
Psychophysiological and related conditions.....320-324	3.6	0.4	(²)	703	69	(²)
Diseases of nerves.....360-369	-	0.0	(²)	-	2	(²)
Diseases of eyes (arcus senilis, etc.).....370-389	0.6	-	17.0	123	-	3,298
Diseases of ear.....390-398	0.1	0.1	0.4	29	27	80
Rheumatic fever.....400-402	0.1	-	(²)	24	-	(²)
Diseases of arteries, connective tissue.....450-456	1.0	0.1	7.5	195	24	1,449
Diseases of veins.....460-466	7.5	1.1	88.1	1,464	218	17,087
Other diseases of circulatory system.....467-468	1.0	0.0	181.7	188	9	32,250
Diseases of digestive system.....530-587	2.4	1.4	59.6	462	268	11,557
Diseases of genito-urinary system.....600-637	0.3	-	1.8	56	-	358
Infections of skin, subcutaneous tissue.....690-698	15.9	10.4	44.1	3,081	2,008	8,552
Seborrheic dermatitis.....700	28.5	4.1	88.2	5,520	801	17,101
Eczema.....701	6.8	8.3	11.2	1,325	1,608	2,176
Contact and other dermatitides.....703	13.6	31.9	40.3	2,641	6,184	7,810
Pemphigus and related conditions.....704	0.2	0.0	(²)	48	2	(²)
Erythemas.....705	4.7	0.7	6.6	915	139	1,285
Psoriasis.....706	8.8	5.1	5.5	1,710	992	1,076
Lichen planus and related conditions.....707	0.8	0.1	139.8	156	20	27,122
Pruritis and related conditions.....708	13.7	7.7	12.1	2,663	1,500	2,349
Corns, callosities.....709	3.2	0.2	153.7	622	41	29,818
Other hypertrophic and atrophic skin conditions.....710	21.8	1.1	410.9	4,234	211	79,708
Diseases of nails.....712	2.7	0.2	(²)	522	44	(²)
Diseases of hair, hair follicles.....713	15.8	2.1	34.7	3,067	408	6,729
Diseases of sweat, subcutaneous glands.....714	87.0	19.3	122.5	16,878	3,735	23,754
Chronic ulcers of skin.....715	0.2	0.3	(²)	32	63	(²)
Other skin diseases.....716	27.5	4.1	488.7	5,340	788	94,787
Diseases of bones, organs of movement.....740-744	0.2	0.1	(²)	35	14	(²)
Congenital malformations.....751-759	4.1	0.4	12.1	789	72	2,339
Diseases of early infancy.....766-780	-	0.0	(²)	-	9	(²)
Symptoms, senility, and ill-defined conditions.....781-795	1.9	0.3	20.7	378	53	4,016
Injuries, adverse effects of chemicals, and other external conditions such as sunburn.....850-999	3.7	1.3	0.1	713	260	29

¹See reference 8.

²Condition not specifically identifiable on record.

³Excludes seborrheic keratosis (22X44X) which is listed with benign tumors in the NYU classification.

NOTE: NOS = not otherwise specified.

Table 7. Prevalence of skin conditions of concern (complaints), significant skin pathology of concern and not of concern to the affected individual, and nonsignificant skin pathology of concern to the individual among persons 1-74 years, by age and sex, showing rates, selected standard errors, and number of persons affected: United States, 1971-1974

Age	Both sexes				Male				Female			
	Skin condition of concern	Significant skin pathology of:		Nonsignificant skin pathology of concern	Skin condition of concern	Significant skin pathology of:		Nonsignificant skin pathology of concern	Skin condition of concern	Significant skin pathology of:		Nonsignificant skin pathology of concern
		Concern	No concern			Concern	No concern			Concern	No concern	
Rate per 1,000 population												
Total, 1-74 years	118.2	97.1	215.3	21.1	128.2	108.0	231.8	20.2	108.8	86.9	199.7	21.9
1-5 years.....	40.4	30.8	111.5	9.6	33.2	28.0	107.9	10.2	47.9	33.8	115.0	14.1
6-11 years.....	46.2	40.4	133.8	5.8	51.3	46.0	136.4	5.3	41.0	34.6	131.3	6.4
12-17 years.....	148.1	126.8	235.2	21.3	139.2	120.5	243.1	18.7	157.3	133.4	227.0	23.9
18-24 years.....	150.0	116.5	248.6	33.5	159.0	124.5	268.9	34.5	141.5	109.1	229.4	32.4
25-34 years.....	134.0	107.1	210.9	26.9	148.8	121.8	236.6	27.0	120.5	93.6	187.6	26.9
35-44 years.....	130.6	108.9	219.3	21.7	146.5	125.0	210.8	21.5	116.0	94.2	226.9	21.8
45-54 years.....	141.0	113.4	243.4	27.6	184.5	152.7	285.3	31.8	100.9	77.3	205.0	23.6
55-64 years.....	122.6	97.3	264.6	25.3	130.5	111.8	312.5	18.7	115.4	84.4	221.8	31.0
65-74 years.....	136.6	126.2	283.3	10.4	155.8	144.1	323.6	11.7	122.2	112.6	252.9	9.6
Standard error of rate												
Total, 1-74 years	7.58	6.23	13.82	1.35	7.94	6.69	14.36	1.25	7.64	6.10	14.02	1.61
Number of persons (in thousands) with one or more such conditions												
Total, 1-74 years	22,929	18,841	41,760	4,088	12,072	10,168	21,820	1,904	10,857	8,673	19,940	2,184

Table 8. Prevalence rates for skin conditions of concern (complaints), all types and the most frequently reported types, among persons 1-74 years, by sex and part of body affected: United States, 1971-1974

Condition and NYU code ¹	Both sexes				Male				Female			
	Total	Hand	Foot	Other	Total	Hand	Foot	Other	Total	Hand	Foot	Other
	Rate per 1,000 population											
Skin conditions of concern, total.....	118.2	10.8	17.9	84.9	128.2	12.6	27.6	87.5	108.8	9.0	8.8	82.5
Skin conditions of concern with site and type specified..	113.6	10.8	17.9	84.9	127.7	12.6	27.6	87.5	100.3	9.0	8.8	82.5
Diseases of sebaceous glands.....7141-7149	28.2	0.1	0.1	28.0	29.0	-	0.0	29.0	27.5	0.2	0.2	27.1
Acne vulgaris.....714150	23.6	0.1	0.1	23.4	23.1	-	-	23.1	24.1	0.2	0.1	23.8
Cystic acne.....714180	1.7	-	0.0	1.7	3.1	-	0.0	3.1	0.3	-	-	0.3
Acne scars.....714190	0.3	-	-	0.3	-	-	-	-	0.7	-	-	0.7
Xerosis.....714930	0.9	0.0	0.1	0.8	0.8	-	0.0	0.8	0.9	0.0	0.1	0.8
Dermatophytoses.....131	21.6	1.1	12.5	8.0	35.9	1.8	21.3	12.8	8.2	0.4	4.4	3.4
Tinea pedis.....1310	9.7	0.1	9.3	0.3	17.8	0.2	17.1	0.5	2.0	0.0	2.0	0.0
Tinea unguium.....1312	4.5	0.2	3.1	1.2	5.7	0.3	3.8	1.6	3.2	0.2	2.3	0.7
Tinea versicolor.....131910	2.7	-	-	2.7	3.5	-	-	3.5	2.0	-	-	2.0
Tinea cruris.....13131	3.2	-	-	3.2	6.3	-	-	6.3	0.2	-	-	0.2
Tumors ²19X,22X,23X,23Y	8.1	0.6	0.4	7.1	8.3	0.5	0.2	7.6	8.1	0.8	0.5	6.8
Malignant.....19X	2.0	0.0	0.1	1.9	2.3	-	0.2	2.1	1.8	0.1	-	1.7
Basal-cell epithelioma.....19X1	1.7	-	0.1	1.6	2.1	-	0.2	1.9	1.3	-	-	1.3
Benign.....22X	2.4	0.1	0.2	2.1	1.5	-	-	1.5	3.4	0.3	0.4	2.7
Lipoma.....22X959	0.1	-	0.0	0.1	0.2	-	-	0.2	0.0	-	0.0	0.0
Precancerous and not specified.....23X,23Y	3.7	0.5	0.1	3.1	4.5	0.5	-	4.0	2.9	0.4	0.1	2.4
Actinic keratosis.....23X081	3.1	0.5	-	2.6	3.8	0.5	-	3.3	2.4	0.4	-	2.0
Seborrheic dermatitis.....700	5.4	0.1	0.0	5.3	4.8	0.2	0.1	4.5	5.9	-	-	5.9
Seborrheic dermatitis, type not indicated.....700010	5.4	0.1	0.0	5.3	4.8	0.2	0.1	4.5	5.9	-	-	5.9
Atopic dermatitis, eczema.....701,708300,708310,708320	10.8	3.1	1.3	6.4	11.7	3.4	1.9	6.4	10.0	3.0	0.6	6.4
Atopic dermatitis.....708310	4.5	0.6	0.1	3.8	5.1	0.8	0.1	4.2	3.8	0.3	0.1	3.4
Lichen simplex chronicus.....708320	1.9	0.1	0.2	1.6	2.1	-	0.4	1.7	1.8	0.1	0.0	1.7
Hand eczema.....701000	1.1	1.1	-	-	1.0	1.0	-	-	1.2	1.2	-	-
Nummular eczema.....701010	0.8	0.2	0.2	0.4	0.8	0.3	0.3	0.2	0.8	-	-	0.8
Dyshidrotic eczema.....701030	1.6	1.0	0.5	0.1	2.1	1.0	1.1	-	1.2	1.0	0.0	0.2
Contact dermatitis.....703	6.4	2.5	0.4	3.5	6.9	2.7	0.6	3.6	5.9	2.3	0.2	3.4
Ichthyosis, keratosis.....710130,710150	1.3	-	-	1.3	1.3	-	-	1.3	1.3	-	-	1.3
Verruca vulgaris.....696030	1.4	0.8	0.2	0.4	0.9	0.3	0.1	0.5	1.8	1.3	0.2	0.3
Folliculitis.....713908	1.8	-	-	1.8	2.7	-	-	2.7	0.9	-	-	0.9
Psoriasis.....706090	3.8	0.5	0.0	3.3	3.8	0.7	-	3.1	3.8	0.2	0.1	3.5
Seborrheic keratosis.....22X44X	0.7	-	-	0.7	0.4	-	-	0.4	1.1	-	-	1.1
Vitiligo.....716210	1.4	0.1	0.0	1.3	0.7	0.1	0.1	0.5	2.0	0.0	0.0	2.0
Urticaria (hives, etc.).....242-243	1.4	-	-	1.4	0.6	-	-	0.6	2.2	-	-	2.2
Herpes simplex.....096	0.8	-	-	0.8	0.6	-	-	0.6	0.9	-	-	0.9
All other conditions.....	20.5	1.9	3.0	15.6	20.1	2.9	3.3	13.9	20.7	0.8	2.6	17.3
Type and location not specified.....	4.6	---	---	---	0.5	---	---	---	8.5	---	---	---

¹See reference 8.

²Excludes seborrheic keratosis (22X44X) which is listed with benign tumors in the NYU classification.

Table 9. Prevalence rates for skin conditions of concern (complaints), all types and the most frequently reported types, among persons 1-74 years, by age and part of body affected: United States, 1971-1974

Condition and NYU code ¹	1-5 years				6-11 years				12-17 years			
	Total	Hand	Foot	Other	Total	Hand	Foot	Other	Total	Hand	Foot	Other
	Rate per 1,000 population											
Skin conditions of concern, total.....	40.4	---	---	---	46.2	---	---	---	148.1	---	---	---
Skin conditions of concern with site and type specified..	34.8	0.5	1.1	33.2	42.6	6.2	5.7	30.7	141.6	8.3	6.5	126.8
Diseases of sebaceous glands.....7141-7149	1.7	-	-	1.7	2.2	-	-	2.2	86.4	0.7	-	85.7
Acne vulgaris.....714150	-	-	-	-	0.8	-	-	0.8	79.3	0.7	-	78.6
Cystic acne.....714180	-	-	-	-	-	-	-	-	1.2	-	-	1.2
Acne scars.....714190	-	-	-	-	-	-	-	-	0.9	-	-	0.9
Xerosis.....714930	0.8	-	-	0.8	1.3	-	-	1.3	0.1	-	-	0.1
Dermatophytoses.....131	0.8	-	-	0.8	3.1	-	1.7	1.4	9.0	0.7	2.4	5.9
Tinea pedis.....1310	-	-	-	-	2.1	-	1.7	0.4	2.4	-	2.4	-
Tinea unguium.....1312	-	-	-	-	-	-	-	-	-	-	-	-
Tinea versicolor.....131910	-	-	-	-	0.2	-	-	0.2	3.2	-	-	3.2
Tinea cruris.....13131	-	-	-	-	-	-	-	-	2.8	-	-	2.8
Tumors ²19X,22X,23X,23Y	2.5	-	0.5	2.0	1.9	-	-	1.9	4.4	0.8	0.8	2.8
Malignant.....19X	-	-	-	-	-	-	-	-	-	-	-	-
Basal-cell epithelioma.....19X1	-	-	-	-	-	-	-	-	-	-	-	-
Benign ²22X	2.5	-	0.5	2.0	1.2	-	-	1.2	4.4	0.8	0.8	2.8
Lipoma.....22X959	-	-	-	-	-	-	-	-	-	-	-	-
Precancerous and not specified.....23X,23Y	-	-	-	-	0.7	-	-	0.7	-	-	-	-
Actinic keratosis.....23X081	-	-	-	-	-	-	-	-	-	-	-	-
Seborrheic dermatitis.....700	2.7	-	-	2.7	0.6	-	-	0.6	2.0	-	-	2.0
Seborrheic dermatitis, type not indicated.....700010	2.7	-	-	2.7	0.6	-	-	0.6	2.0	-	-	2.0
Atopic dermatitis, eczema.....701,708300,708310,708320	10.9	0.1	0.5	10.3	14.5	1.7	2.3	10.5	8.4	1.9	0.4	6.1
Atopic dermatitis.....708310	8.3	-	0.2	8.1	10.0	-	0.3	9.7	5.8	1.5	-	4.3
Lichen simplex chronicus.....708320	-	-	-	-	-	-	-	-	1.7	-	0.4	1.3
Hand eczema.....701000	-	-	-	-	-	-	-	-	-	-	-	-
Nummular eczema.....701010	0.7	-	-	0.7	1.3	-	1.3	-	0.6	-	-	0.6
Dyshidrotic eczema.....701030	-	-	-	-	1.9	1.0	0.2	0.7	-	-	-	-
Contact dermatitis.....703	3.9	-	-	3.9	3.7	0.6	-	3.1	5.5	1.4	0.7	3.4
Ichthyosis, keratosis.....710130,710150	0.1	-	-	0.1	2.7	-	-	2.7	3.4	-	-	3.4
Verruca vulgaris.....696030	-	-	-	-	6.8	3.9	0.9	2.0	3.1	1.3	0.6	1.2
Folliculitis.....713908	-	-	-	-	0.3	-	-	0.3	0.5	-	-	0.5
Psoriasis.....706090	0.6	-	-	0.6	0.6	-	-	0.6	2.2	-	-	2.2
Seborrheic keratosis.....22X44X	-	-	-	-	-	-	-	-	-	-	-	-
Vitiligo.....716210	-	-	-	-	0.5	-	-	0.5	0.2	-	-	0.2
Urticaria (hives, etc.).....242-243	1.2	-	-	1.2	-	-	-	-	1.9	-	-	1.9
Herpes simplex.....096	0.9	-	-	0.9	-	-	-	-	1.9	-	-	1.9
All other skin conditions.....	9.5	0.4	0.1	9.0	5.7	-	0.8	4.9	12.7	1.5	1.6	9.6

See footnotes at end of table.

Table 9. Prevalence rates for skin conditions of concern (complaints), all types and the most frequently reported types, among persons 1-74 years, by age and part of body affected: United States, 1971-1974—Con.

Condition and NYU code ¹	18-24 years				25-34 years				35-44 years			
	Total	Hand	Foot	Other	Total	Hand	Foot	Other	Total	Hand	Foot	Other
Rate per 1,000 population												
Skin conditions of concern, total.....	150.0	---	---	---	134.0	---	---	---	130.6	---	---	---
Skin conditions of concern with site and type specified..	141.0	9.1	13.2	118.7	131.1	16.2	22.2	92.7	130.9	15.3	31.3	84.3
Diseases of sebaceous glands.....7141-7149	71.4	-	-	71.4	35.4	-	0.1	35.3	17.6	-	0.5	17.1
Acne vulgaris.....714150	64.0	-	-	64.0	28.5	-	0.1	28.4	12.7	-	0.4	12.3
Cystic acne.....714180	4.8	-	-	4.8	4.5	-	-	4.5	2.7	-	0.1	2.6
Acne scars.....714190	0.9	-	-	0.9	0.9	-	-	0.9	0.1	-	-	0.1
Xerosis.....714930	0.2	-	-	0.2	0.3	-	-	0.3	0.5	-	-	0.5
Dermatophytoses.....131	15.6	0.3	5.8	9.5	27.7	0.1	14.9	12.7	39.8	5.0	23.1	11.7
Tinea pedis.....1310	3.6	-	3.5	0.1	13.9	-	13.8	0.1	20.7	-	18.8	1.9
Tinea unguium.....1312	2.7	-	2.3	0.4	4.5	-	1.1	3.4	5.1	1.6	3.5	-
Tinea versicolor.....131910	3.9	-	-	3.9	4.0	-	-	4.0	3.6	-	-	3.6
Tinea cruris.....13131	5.1	-	-	5.1	5.1	-	-	5.1	5.5	-	-	5.5
Tumors ²19X,22X,23X,23Y	4.2	0.1	0.4	3.7	1.5	0.1	-	1.4	3.6	-	-	3.6
Malignant.....19X	-	-	-	-	-	-	-	-	0.2	-	-	0.2
Basal-cell epithelioma.....19X1	-	-	-	-	-	-	-	-	0.2	-	-	0.2
Benign ²22X	3.4	0.1	-	3.3	1.5	0.1	-	1.4	1.8	-	-	1.8
Lipoma.....22X959	-	-	-	-	-	-	-	-	-	-	-	-
Precancerous and not specified.....23X,23Y	0.8	-	0.4	0.4	-	-	-	-	1.6	-	-	1.6
Actinic keratosis.....23X081	0.4	-	-	0.4	-	-	-	-	0.2	-	-	0.2
Seborrheic dermatitis.....700	2.8	-	-	2.8	9.9	-	0.2	9.7	5.9	-	-	5.9
Seborrheic dermatitis, type not indicated.....700010	2.8	-	-	2.8	9.9	-	0.2	9.7	5.9	-	-	5.9
Atopic dermatitis, eczema.....701,70B300,70B310,70B320	7.7	2.3	1.7	3.7	16.4	7.5	2.4	6.5	9.2	3.9	1.4	3.9
Atopic dermatitis.....70B310	4.6	1.1	0.1	3.4	5.3	1.2	0.4	3.7	0.6	-	-	0.6
Lichen simplex chronicus.....70B320	0.1	0.1	-	0.0	2.0	0.3	0.4	1.3	2.7	-	-	2.7
Hand eczema.....701000	-	-	-	-	4.0	4.0	-	-	1.2	1.2	-	-
Nummular eczema.....701010	0.3	-	-	0.3	0.4	-	-	0.4	0.4	0.4	-	-
Dyshidrotic eczema.....701030	2.8	1.2	1.6	-	2.7	1.4	1.3	-	3.4	2.0	1.4	-
Contact dermatitis.....703	8.7	4.6	0.8	3.3	6.7	3.6	0.7	2.4	10.3	3.3	0.8	6.2
Ichthyosis, keratosis.....710130,710150	0.6	-	-	0.6	0.5	-	-	0.5	0.8	-	-	0.8
Verruca vulgaris.....696030	1.0	1.0	-	-	0.2	0.1	-	0.1	0.4	0.4	-	-
Folliculitis.....713908	4.6	-	-	4.6	2.0	-	-	2.0	5.2	-	-	5.2
Psoriasis.....706090	3.1	-	-	3.1	3.9	1.8	-	2.1	1.8	-	-	1.8
Seborrheic keratosis.....22X44X	0.9	-	-	0.9	0.7	-	-	0.7	-	-	-	-
Vitiligo.....716210	1.1	-	-	1.1	1.6	-	-	1.6	1.0	-	-	1.0
Urticaria (hives, etc.).....242-243	1.6	-	-	1.6	0.3	-	-	0.3	1.2	-	-	1.2
Herpes simplex.....096	1.6	-	-	1.6	0.4	-	-	0.4	1.7	-	-	1.7
All other skin conditions.....	16.1	0.8	4.5	10.8	23.9	3.0	3.9	17.0	32.4	2.7	5.5	24.2

See footnotes at end of table.

Table 9. Prevalence rates for skin conditions of concern (complaints), all types and the most frequently reported types, among persons 1-74 years, by age and part of body affected: United States, 1971-1974—Con.

Condition and NYU code ¹	45-54 years				55-64 years				65-74 years			
	Total	Hand	Foot	Other	Total	Hand	Foot	Other	Total	Hand	Foot	Other
Rate per 1,000 population												
Skin conditions of concern, total.....	141.0	---	---	---	122.6	---	---	---	136.6	---	---	---
Skin conditions of concern with site and type specified..	137.2	13.6	39.4	84.2	114.4	15.1	18.1	81.2	134.5	9.7	22.1	102.7
Diseases of sebaceous glands.....7141-7149	2.9	-	-	2.9	5.4	-	0.4	5.0	2.7	0.2	0.3	2.2
Acne vulgaris.....714150	0.7	-	-	0.7	0.2	-	-	0.2	0.2	-	-	0.2
Cystic acne.....714180	-	-	-	-	-	-	-	-	-	-	-	-
Acne scars.....714190	-	-	-	-	-	-	-	-	-	-	-	-
Xerosis.....714930	2.2	-	-	2.2	1.2	-	0.4	0.8	1.8	0.2	0.3	1.3
Dermatophytoses.....	49.6	2.3	37.5	9.8	22.9	0.5	10.1	12.3	21.8	0.3	16.3	5.2
Tinea pedis.....1310	25.6	0.9	24.7	-	5.8	-	5.8	-	11.0	-	11.0	-
Tinea unguium.....1312	12.8	-	12.1	0.7	8.2	0.2	4.2	3.8	8.0	0.1	5.3	2.6
Tinea versicolor.....131910	3.9	-	-	3.9	4.1	-	-	4.1	0.4	-	-	0.4
Tinea cruris.....13131	2.9	-	-	2.9	4.3	-	-	4.3	0.8	-	-	0.8
Tumors ²19X,22X,23X,23Y	14.6	1.1	-	13.5	19.6	1.5	1.1	17.0	34.6	3.2	0.5	30.9
Malignant.....19X	7.5	-	-	7.5	5.2	-	1.1	4.1	8.5	0.6	-	7.9
Basal-cell epithelioma.....19X1	7.5	-	-	7.5	3.9	-	1.1	2.6	6.1	-	-	6.1
Benign ²22X	2.4	-	-	2.4	1.4	-	-	1.4	3.7	0.1	0.5	3.1
Lipoma.....22X959	-	-	-	-	0.2	-	-	0.2	1.2	-	0.1	1.1
Precancerous and not specified.....23X,23Y	4.7	1.1	-	3.6	13.0	1.5	-	11.5	22.4	2.5	-	19.9
Actinic keratosis.....23X081	4.7	1.1	-	3.6	11.5	1.5	-	10.0	20.4	2.5	-	17.9
Seborrheic dermatitis.....700	12.3	0.9	-	11.4	4.4	-	-	4.4	7.6	-	-	7.6
Seborrheic dermatitis, type not indicated.....700010	12.3	0.9	-	11.4	4.4	-	-	4.4	7.6	-	-	7.6
Atopic dermatitis, eczema.....701,708300,708310,708320	9.0	3.8	0.3	4.9	8.9	3.6	0.7	4.7	10.5	1.3	0.5	8.7
Atopic dermatitis.....708310	1.3	-	-	1.3	1.8	0.8	-	1.0	1.2	-	-	1.2
Lichen simplex chronicus.....708320	3.0	-	0.2	2.8	4.4	-	0.7	3.7	4.9	-	-	4.9
Hand eczema.....701000	1.7	1.7	-	-	1.6	1.6	-	-	1.0	1.0	-	-
Nummular eczema.....701010	0.7	-	-	0.7	1.1	1.1	-	-	2.5	-	-	2.5
Dyshidrotic eczema.....701030	2.2	2.1	0.1	-	-	-	-	-	0.2	0.2	-	-
Contact dermatitis.....703	4.4	2.3	-	2.1	8.3	4.2	-	4.1	5.8	1.7	-	4.1
Ichthyosis, keratosis.....710130,710150	-	-	-	-	1.6	-	-	1.6	1.5	-	-	1.5
Verruca vulgaris.....696030	-	-	-	-	-	-	-	-	-	-	-	-
Folliculitis.....713908	0.8	-	-	0.8	1.5	-	-	1.5	-	-	-	-
Psoriasis.....706090	10.4	0.9	-	9.5	7.2	1.2	-	6.0	4.9	-	0.6	4.3
Seborrheic keratosis.....22X44X	0.9	-	-	0.9	1.2	-	-	1.2	4.7	-	-	4.7
Vitiligo.....716210	2.9	-	-	2.9	2.7	0.2	-	2.5	3.3	0.6	0.6	2.1
Urticaria (hives, etc.).....242-243	2.8	-	-	2.8	2.5	-	-	2.5	1.4	-	-	1.4
Herpes simplex.....096	-	-	-	-	-	-	-	-	-	-	-	-
All other skin conditions.....	26.6	2.3	1.6	22.7	43.9	3.9	5.8	18.4	35.7	2.4	3.3	30.0

¹See reference 8.

²Excludes seborrheic dermatosis (22X44X) which is listed with benign tumors in the NYU classification.

Table 10. Prevalence rates for skin conditions of concern (complaints), all types and the most frequently reported types, among males 1-74 years, by age and part of body affected: United States, 1971-1974

Condition and NYU code ¹	Male											
	1-5 years				6-11 years				12-17 years			
	Total	Hand	Foot	Other	Total	Hand	Foot	Other	Total	Hand	Foot	Other
	Rate per 1,000 population											
Skin conditions of concern, total.....	33.2	---	---	---	51.3	---	---	---	139.2	---	---	---
Skin conditions of concern with site and type specified..	28.9	0.7	0.1	28.1	48.0	6.1	7.3	34.6	139.0	9.1	9.8	120.1
Diseases of sebaceous glands.....7141-7149	0.2	-	-	0.2	1.9	-	-	1.9	83.3	-	-	83.3
Acne vulgaris.....714150	-	-	-	-	-	-	-	-	74.1	-	-	74.1
Cystic acne.....714180	-	-	-	-	-	-	-	-	2.1	-	-	2.1
Acne scars.....714190	-	-	-	-	-	-	-	-	-	-	-	-
Xerosis.....714930	0.2	-	-	0.2	1.9	-	-	1.9	0.2	-	-	0.2
Dermatophytoses.....131	0.2	-	-	0.2	4.1	-	3.3	0.8	14.7	1.4	4.6	8.7
Tinea pedis.....1310	-	-	-	-	4.1	-	3.3	0.8	4.6	-	4.6	-
Tinea unguium.....1312	-	-	-	-	-	-	-	-	-	-	-	-
Tinea versicolor.....131910	-	-	-	-	-	-	-	-	3.2	-	-	3.2
Tinea cruris.....13131	-	-	-	-	-	-	-	-	5.5	-	-	5.5
Tumors ²19X,22X,23X,23Y	1.3	-	-	1.3	1.9	-	-	1.9	-	-	-	-
Malignant.....19X	-	-	-	-	-	-	-	-	-	-	-	-
Basal-cell epithelioma.....19X1	-	-	-	-	-	-	-	-	-	-	-	-
Benign ²22X	1.3	-	-	1.3	0.4	-	-	0.4	-	-	-	-
Lipoma.....22X959	-	-	-	-	-	-	-	-	-	-	-	-
Precancerous and not specified.....23X,23Y	-	-	-	-	1.5	-	-	1.5	-	-	-	-
Actinic keratosis.....23X081	-	-	-	-	-	-	-	-	-	-	-	-
Seborrheic dermatitis.....700	0.5	-	-	0.5	1.2	-	-	1.2	2.7	-	-	2.7
Seborrheic dermatitis, type not indicated.....700010	0.5	-	-	0.5	1.2	-	-	1.2	2.7	-	-	2.7
Atopic dermatitis, eczema.....701,708300,708310,708320	6.1	-	-	6.1	22.3	3.4	2.9	16.0	10.6	3.0	0.8	6.8
Atopic dermatitis.....708310	5.0	-	-	5.0	15.8	-	-	15.8	9.8	3.0	-	6.8
Lichen simplex chronicus.....708320	-	-	-	-	-	-	-	-	0.8	-	0.8	-
Hand eczema.....701000	-	-	-	-	-	-	-	-	-	-	-	-
Nummular eczema.....701010	-	-	-	-	2.6	-	2.6	-	-	-	-	-
Dyshidrotic eczema.....701030	-	-	-	-	2.3	2.0	0.3	-	-	-	-	-
Contact dermatitis.....703	4.8	-	-	4.8	4.2	1.2	-	3.0	5.6	2.7	1.4	1.5
Ichthyosis, keratosis.....710130,710150	0.2	-	-	0.2	3.2	-	-	3.2	2.3	-	-	2.3
Verruca vulgaris.....696030	-	-	-	-	3.8	1.5	1.1	1.2	2.4	-	-	2.4
Folliculitis.....713908	-	-	-	-	0.7	-	-	0.7	1.0	-	-	1.0
Psoriasis.....706090	1.3	-	-	1.3	1.2	-	-	1.2	-	-	-	-
Seborrheic keratosis.....22X44X	-	-	-	-	-	-	-	-	-	-	-	-
Vitiligo.....716210	-	-	-	-	1.1	-	-	1.1	0.3	-	-	0.3
Urticaria (hives, etc.).....242-243	1.7	-	-	1.7	-	-	-	-	-	-	-	-
Herpes simplex.....096	1.0	-	-	1.0	-	-	-	-	3.4	-	-	3.4
All other skin conditions.....	11.6	0.7	0.1	10.8	2.4	-	-	2.4	12.7	2.0	3.0	7.7

See footnotes at end of table.

Table 10. Prevalence rates for skin conditions of concern (complaints), all types and the most frequently reported types, among males 1-74 years, by age and part of body affected: United States, 1971-1974—Con.

Condition and NYU code ¹	Male											
	18-24 years				25-34 years				35-44 years			
	Total	Hand	Foot	Other	Total	Hand	Foot	Other	Total	Hand	Foot	Other
	Rate per 1,000 population											
Skin conditions of concern, total.....	159.0	---	---	---	148.8	---	---	---	146.5	---	---	---
Skin conditions of concern with site and type specified..	151.3	13.0	21.7	116.6	151.4	16.4	38.1	96.9	156.5	16.8	49.5	90.2
Diseases of sebaceous glands.....7141-7149	76.6	-	-	76.6	36.0	-	-	36.0	17.4	-	0.3	17.1
Acne vulgaris.....714150	67.6	-	-	67.6	25.1	-	-	25.1	11.0	-	-	11.0
Cystic acne.....714180	8.8	-	-	8.8	9.1	-	-	9.1	4.7	-	0.3	4.4
Acne scars.....714190	-	-	-	-	-	-	-	-	-	-	-	-
Xerosis.....714930	-	-	-	-	-	-	-	-	-	-	-	-
Dermatophytoses.....131	25.5	-	10.7	14.8	49.4	-	25.7	23.7	70.9	8.7	40.6	21.6
Tinea pedis.....1310	7.2	-	7.2	-	23.4	-	23.4	-	40.8	-	36.9	3.9
Tinea unguium.....1312	3.4	-	3.4	-	8.9	-	2.3	6.6	4.2	2.1	2.1	-
Tinea versicolor.....131910	4.2	-	-	4.2	6.4	-	-	6.4	4.8	-	-	4.8
Tinea cruris.....13131	10.6	-	-	10.6	10.7	-	-	10.7	11.1	-	-	11.1
Tumors ²19X,22X,23X,23Y	2.1	-	-	2.1	1.2	-	-	1.2	3.1	-	-	3.1
Malignant.....91X	-	-	-	-	-	-	-	-	-	-	-	-
Basal-cell epithelioma.....19X1	-	-	-	-	-	-	-	-	-	-	-	-
Benign ²22X	2.1	-	-	2.1	1.2	-	-	1.2	-	-	-	-
Lipoma.....22X959	-	-	-	-	-	-	-	-	-	-	-	-
Precancerous and not specified.....23X,23Y	-	-	-	-	-	-	-	-	3.1	-	-	3.1
Actinic keratosis.....23X081	-	-	-	-	-	-	-	-	0.5	-	-	0.5
Seborrheic dermatitis.....700	1.1	-	-	1.1	8.3	-	0.5	7.8	3.3	-	-	3.3
Seborrheic dermatitis, type not indicated.....700010	1.1	-	-	1.1	8.3	-	0.5	7.8	3.3	-	-	3.3
Atopic dermatitis, eczema.....701,708300,708310,708320	7.4	2.7	3.2	1.5	16.4	4.8	4.5	7.1	8.1	5.2	2.9	-
Atopic dermatitis.....708310	3.0	1.5	-	1.5	5.5	1.7	0.9	2.9	-	-	-	-
Lichen simplex chronicus.....708320	-	-	-	-	2.8	-	0.8	2.0	-	-	-	-
Hand eczema.....701000	-	-	-	-	3.1	3.1	-	-	0.6	0.6	-	-
Nummular eczema.....701010	-	-	-	-	-	-	-	-	0.8	0.8	-	-
Dyshidrotic eczema.....701030	4.5	1.3	3.2	-	2.8	-	2.8	-	6.6	3.7	2.9	-
Contact dermatitis.....703	13.1	7.6	1.6	3.9	4.8	3.5	-	1.3	6.0	-	1.6	4.4
Ichthyosis, keratosis.....710130,710150	-	-	-	-	0.8	-	-	0.8	1.7	-	-	1.7
Verruca vulgaris.....696030	1.0	1.0	-	-	-	-	-	-	-	-	-	-
Folliculitis.....713908	6.2	-	-	6.2	4.2	-	-	4.2	9.5	-	-	9.5
Psoriasis.....706090	2.4	-	-	2.4	7.3	3.7	-	3.6	1.8	-	-	1.8
Seborrheic keratosis.....22X44X	1.9	-	-	1.9	-	-	-	-	-	-	-	-
Vitiligo.....716210	-	-	-	-	0.8	-	-	0.8	-	-	-	-
Urticaria (hives, etc.).....242-243	0.4	-	-	0.4	-	-	-	-	-	-	-	-
Herpes simplex.....096	-	-	-	-	-	-	-	-	0.9	-	-	0.9
All other skin conditions.....	13.6	1.7	6.2	5.7	22.2	4.4	7.4	10.4	33.8	2.9	4.1	26.8

See footnotes at end of table

Table 10. Prevalence rates for skin conditions of concern (complaints), all types and the most frequently reported types, among males 1-74 years, by age and part of body affected: United States, 1971-1974—Con.

Condition and NYU code ¹	Male											
	45-54 years				55-64 years				65-74 years			
	Total	Hand	Foot	Other	Total	Hand	Foot	Other	Total	Hand	Foot	Other
	Rate per 1,000 population											
Skin conditions of concern, total.....	184.5	---	---	---	130.5	---	---	---	155.8	---	---	---
Skin conditions of concern with site and type specified..	185.8	19.5	66.0	100.3	128.1	21.7	28.5	77.9	152.3	6.4	22.4	123.5
Diseases of sebaceous glands.....7141-7149	3.4	-	-	3.4	7.3	-	-	7.3	2.7	-	0.2	2.5
Acne vulgaris.....714150	1.5	-	-	1.5	0.3	-	-	0.3	0.5	-	-	0.5
Cystic acne.....714180	-	-	-	-	-	-	-	-	-	-	-	-
Acne scars.....714190	-	-	-	-	-	-	-	-	-	-	-	-
Xerosis.....714930	1.9	-	-	1.9	1.8	-	-	1.8	1.3	-	0.2	1.1
Dermatophytoses.....131	86.4	4.4	66.0	16.0	36.0	0.6	18.5	16.9	28.8	0.7	19.7	8.4
Tinea pedis.....1310	49.4	1.6	47.8	-	10.5	-	10.5	-	17.5	-	17.5	-
Tinea unguium.....1312	16.7	-	16.7	-	12.8	-	8.0	4.8	6.8	0.2	2.2	4.4
Tinea versicolor.....131910	6.1	-	-	6.1	3.4	-	-	3.4	0.9	-	-	0.9
Tinea cruris.....13131	5.2	-	-	5.2	8.7	-	-	8.7	1.8	-	-	1.8
Tumors ²19X,22X,23X,23Y	22.9	2.4	-	20.5	20.6	0.4	2.4	17.8	42.4	2.9	-	39.5
Malignant.....19X	9.9	-	-	9.9	5.3	-	2.4	2.9	10.2	-	-	10.2
Basal-cell epithelioma.....19X1	9.9	-	-	9.9	5.3	-	2.4	2.9	7.5	-	-	7.5
Benign ²22X	5.0	-	-	5.0	0.8	-	-	0.8	4.7	-	-	4.7
Lipoma.....22X959	-	-	-	-	0.4	-	-	0.4	2.2	-	-	2.2
Precancerous and not specified.....23X,23Y	8.0	2.4	-	5.6	14.5	0.4	-	14.1	27.5	2.9	-	24.6
Actinic keratosis.....23X081	8.0	2.4	-	5.6	14.5	0.4	-	14.1	25.1	2.9	-	22.2
Seborrheic dermatitis.....700	16.5	1.9	-	14.6	2.7	-	-	2.7	6.9	-	-	6.9
Seborrheic dermatitis, type not indicated.....700010	16.5	1.9	-	14.6	2.7	-	-	2.7	6.9	-	-	6.9
Atopic dermatitis, eczema.....701,708300,708310,708320	9.2	4.0	-	5.2	11.0	4.7	1.5	4.8	11.5	0.2	-	11.3
Atopic dermatitis.....708310	1.3	-	-	1.3	-	-	-	-	0.7	-	-	0.7
Lichen simplex chronicus.....708320	2.6	-	-	2.6	6.3	-	1.5	4.8	10.6	-	-	10.6
Hand eczema.....701000	2.7	2.7	-	-	2.3	2.3	-	-	-	-	-	-
Nummular eczema.....701010	1.2	-	-	1.2	2.4	2.4	-	-	-	-	-	-
Dyshidrotic eczema.....701030	-	-	-	-	-	-	-	-	-	-	-	-
Contact dermatitis.....703	6.9	2.7	-	4.2	10.3	5.0	-	5.3	6.4	-	-	6.4
Ichthyosis, keratosis.....710130,710150	-	-	-	-	1.1	-	-	1.1	1.6	-	-	1.6
Verruca vulgaris.....696030	-	-	-	-	-	-	-	-	-	-	-	-
Folliculitis.....713908	0.4	-	-	0.4	-	-	-	-	-	-	-	-
Psoriasis.....706090	8.8	-	-	8.8	7.6	2.6	-	5.0	6.2	-	-	6.2
Seborrheic keratosis.....22X44X	-	-	-	-	-	-	-	-	2.5	-	-	2.5
Vitiligo.....716210	-	-	-	-	0.4	-	-	0.4	5.5	1.3	1.1	3.1
Urticaria (hives, etc.).....242-243	2.7	-	-	2.7	-	-	-	-	1.3	-	-	1.3
Herpes simplex.....096	-	-	-	-	-	-	-	-	-	-	-	-
All other skin conditions.....	28.6	4.1	-	24.5	31.1	8.4	6.1	16.6	36.5	1.3	1.4	33.8

¹See reference 8.

²Excludes seborrheic keratosis (22X44X) which is listed with benign tumors in the NYU classification.

Table 11. Prevalence rates for skin conditions of concern (complaints), all types and the most frequently reported types, among females 1-74 years, by age and part of body affected: United States, 1971-1974

Condition and NYU code ¹	Female											
	1-5 years				6-11 years				12-17 years			
	Total	Hand	Foot	Other	Total	Hand	Foot	Other	Total	Hand	Foot	Other
	Rate per 1,000 population											
Skin conditions of concern, total.....	47.9	-	-	-	41.0	-	-	-	157.3	-	-	-
Skin conditions of concern with site and type specified..	41.0	0.2	2.2	38.6	37.2	6.3	4.1	26.8	144.4	7.5	2.9	134.0
Diseases of sebaceous glands.....7141-7149	3.4	-	-	3.4	2.6	-	-	2.6	89.6	1.4	-	88.2
Acne vulgaris.....714150	-	-	-	-	1.6	-	-	1.6	84.7	1.4	-	83.3
Cystic acne.....714180	-	-	-	-	-	-	-	-	0.2	-	-	0.2
Acne scars.....714190	-	-	-	-	-	-	-	-	1.9	-	-	1.9
Xerosis.....714930	1.4	-	-	1.4	0.7	-	-	0.7	-	-	-	-
Dermatophytoses.....131	1.3	-	-	1.3	1.9	-	-	1.9	3.0	-	-	3.0
Tinea pedis.....1310	-	-	-	-	-	-	-	-	-	-	-	-
Tinea unguium.....1312	-	-	-	-	-	-	-	-	-	-	-	-
Tinea versicolor.....131910	-	-	-	-	0.3	-	-	0.3	3.0	-	-	3.0
Tinea cruris.....13131	-	-	-	-	-	-	-	-	-	-	-	-
Tumors ²19X,22X,23X,23Y	3.9	-	1.1	2.8	1.9	-	-	1.9	9.2	1.7	1.7	5.8
Malignant.....19X	-	-	-	-	-	-	-	-	-	-	-	-
Basal-cell epithelioma.....19X1	-	-	-	-	-	-	-	-	-	-	-	-
Benign ²22X	3.9	-	1.1	2.8	1.9	-	-	1.9	9.2	1.7	1.7	5.8
Lipoma.....22X959	-	-	-	-	-	-	-	-	-	-	-	-
Precancerous and not specified.....23X,23Y	-	-	-	-	-	-	-	-	-	-	-	-
Actinic keratosis.....23X081	-	-	-	-	-	-	-	-	-	-	-	-
Seborrheic dermatitis.....700	5.1	-	-	5.1	-	-	-	-	1.1	-	-	1.1
Seborrheic dermatitis, type not indicated.....700010	5.1	-	-	5.1	-	-	-	-	1.1	-	-	1.1
Atopic dermatitis, eczema.....701,708300,708310,708320	15.7	0.2	1.1	14.4	6.6	-	1.8	4.8	6.3	0.8	-	5.5
Atopic dermatitis.....708310	11.6	-	0.4	11.2	4.2	-	0.7	3.5	1.6	-	-	1.6
Lichen simplex chronicus.....708320	-	-	-	-	-	-	-	-	2.6	-	-	2.6
Hand eczema.....701000	-	-	-	-	-	-	-	-	-	-	-	-
Nummular eczema.....701010	1.4	-	-	1.4	-	-	-	-	1.2	-	-	1.2
Dyshidrotic eczema.....701030	-	-	-	-	1.3	-	-	1.3	-	-	-	-
Contact dermatitis.....703	3.0	-	-	3.0	2.4	-	-	2.4	5.4	-	-	5.4
Ichthyosis, keratosis.....710130,710150	-	-	-	-	2.1	-	-	2.1	4.3	-	-	4.3
Verruca vulgaris.....696030	-	-	-	-	9.7	6.3	0.7	2.7	3.7	2.6	1.1	-
Folliculitis.....713908	-	-	-	-	-	-	-	-	-	-	-	-
Psoriasis.....706090	-	-	-	-	-	-	-	-	4.4	-	-	4.4
Seborrheic keratosis.....22X44X	-	-	-	-	-	-	-	-	-	-	-	-
Vitiligo.....716210	-	-	-	-	-	-	-	-	-	-	-	-
Urticaria (hives, etc.).....242-243	0.7	-	-	0.7	-	-	-	-	3.8	-	-	3.8
Herpes simplex.....096	1.0	-	-	1.0	-	-	-	-	0.4	-	-	0.4
All other skin conditions.....	6.9	-	-	6.9	10.4	-	1.6	8.4	13.2	1.0	0.1	12.1

See footnotes at end of table.

Table 11. Prevalence rates for skin conditions of concern (complaints), all types and the most frequently reported types, among females 1-74 years, by age and part of body affected: United States, 1971-1974—Con.

Condition and NYU code ¹	Female											
	18-24 years				25-34 years				35-44 years			
	Total	Hand	Foot	Other	Total	Hand	Foot	Other	Total	Hand	Foot	Other
	Rate per 1,000 population											
Skin conditions of concern, total.....	141.5	---	---	---	120.5	---	---	---	116.0	---	---	---
Skin conditions of concern with site and type specified..	131.2	5.4	5.2	120.6	112.5	16.0	7.7	88.8	107.5	13.9	14.7	78.9
Diseases of sebaceous glands.....7141-7149	66.6	-	-	66.6	34.8	-	0.1	34.7	17.9	-	0.8	17.1
Acne vulgaris.....714150	60.6	-	-	60.6	31.5	-	0.1	31.4	14.3	-	0.8	13.5
Cystic acne.....714180	1.0	-	-	1.0	0.3	-	-	0.3	1.0	-	-	1.0
Acne scars.....714190	1.7	-	-	1.7	1.6	-	-	1.6	0.2	-	-	0.2
Xerosis.....714930	0.4	-	-	0.4	0.6	-	-	0.6	0.9	-	-	0.9
Dermatophytoses.....131	6.3	0.5	1.2	4.6	7.9	0.2	5.1	2.6	11.3	1.6	7.1	2.6
Tinea pedis.....1310	0.2	-	-	0.2	5.2	-	5.1	0.1	2.3	-	2.3	-
Tinea unguium.....1312	1.9	-	1.2	0.7	0.6	-	-	0.6	6.0	1.2	4.8	-
Tinea versicolor.....131910	3.6	-	-	3.6	1.8	-	-	1.8	2.2	-	-	2.2
Tinea cruris.....13131	-	-	-	-	0.1	-	-	0.1	0.4	-	-	0.4
Tumors ²19X,22X,23X,23Y	6.3	0.2	0.8	5.3	1.7	0.2	-	1.5	4.1	-	-	4.1
Malignant.....19X	-	-	-	-	-	-	-	-	0.4	-	-	0.4
Basal-cell epithelioma.....19X1	-	-	-	-	-	-	-	-	0.4	-	-	0.4
Benign ²22X	4.7	0.2	-	4.5	1.7	0.2	-	1.5	3.4	-	-	3.4
Lipoma.....22X959	-	-	-	-	-	-	-	-	-	-	-	-
Precancerous and not specified.....23X,23Y	1.5	-	0.8	0.7	-	-	-	-	0.3	-	-	0.3
Actinic keratosis.....23X081	0.7	-	-	0.7	-	-	-	-	-	-	-	-
Seborrheic dermatitis.....700	4.4	-	-	4.4	11.5	-	-	11.5	8.3	-	-	8.3
Seborrheic dermatitis, type not indicated.....700010	4.4	-	-	4.4	11.5	-	-	11.5	8.3	-	-	8.3
Atopic dermatitis, eczema.....701,708300,708310,708320	8.0	1.9	0.2	5.9	16.5	10.0	0.6	5.9	10.2	2.8	-	7.4
Atopic dermatitis.....708310	6.0	0.7	0.2	5.1	5.1	0.7	-	4.4	1.1	-	-	1.1
Lichen simplex chronicus.....708320	0.3	0.2	-	0.1	1.3	0.6	-	0.7	5.3	-	-	5.3
Hand eczema.....701000	-	-	-	-	4.9	4.9	-	-	1.8	1.8	-	-
Nummular eczema.....701010	0.6	-	-	0.6	0.8	-	-	0.8	-	-	-	-
Dyshidrotic eczema.....701030	1.3	1.2	0.1	-	2.7	2.7	-	-	0.5	0.5	-	-
Contact dermatitis.....703	4.7	1.8	0.1	2.8	8.4	3.7	1.4	3.3	14.2	6.3	-	7.9
Ichthyosis, keratosis.....710130,710150	1.2	-	-	1.2	0.2	-	-	0.2	-	-	-	-
Verruca vulgaris.....696030	1.0	1.0	-	-	0.3	0.2	-	0.1	0.7	0.7	-	-
Folliculitis.....713908	3.1	-	-	3.1	-	-	-	-	1.3	-	-	1.3
Psoriasis.....706090	3.8	-	-	3.8	0.6	-	-	0.6	1.8	-	-	1.8
Seborrheic keratosis.....22X44X	-	-	-	-	1.4	-	-	1.4	-	-	-	-
Vitiligo.....716210	2.1	-	-	2.1	2.4	-	-	2.4	1.9	-	-	1.9
Urticaria (hives, etc.).....242-243	2.8	-	-	2.8	0.6	-	-	0.6	2.4	-	-	2.4
Herpes simplex.....096	3.1	-	-	3.1	0.9	-	-	0.9	2.4	-	-	2.4
All other skin conditions.....	17.8	-	2.9	14.9	25.3	1.7	0.5	23.1	31.0	2.5	6.8	21.7

See footnotes at end of table

Table 11. Prevalence rates for skin conditions of concern (complaints), all types and the most frequently reported types, among females 1-74 years, by age and part of body affected: United States, 1971-1974—Con.

Condition and NYU code ¹	Female											
	45-54 years				55-64 years				65-74 years			
	Total	Hand	Foot	Other	Total	Hand	Foot	Other	Total	Hand	Foot	Other
	Rate per 1,000 population											
Skin conditions of concern, total.....	100.9	---	---	---	115.4	---	---	---	122.2	---	---	---
Skin conditions of concern with site and type specified..	92.4	8.1	14.8	69.5	102.1	9.1	8.8	84.2	121.0	12.2	21.8	87.0
Diseases of sebaceous glands.....7141-7149	2.5	-	-	2.5	3.7	-	0.7	3.0	2.6	0.3	0.4	1.9
Acne vulgaris.....714150	-	-	-	-	-	-	-	-	-	-	-	-
Cystic acne.....714180	-	-	-	-	-	-	-	-	-	-	-	-
Acne scars.....714190	-	-	-	-	-	-	-	-	-	-	-	-
Xerosis.....714930	2.5	-	-	2.5	0.7	-	0.7	-	1.9	0.3	0.4	1.2
Dermatophytoses.....131	15.7	0.2	11.4	4.1	11.0	0.4	2.6	8.0	16.4	-	13.7	2.7
Tinea pedis.....1310	3.7	0.2	3.5	-	1.7	-	1.7	-	6.0	-	6.0	-
Tinea unguium.....1312	9.3	-	7.9	1.4	4.2	0.4	0.9	2.9	9.1	-	7.7	1.4
Tinea versicolor.....131910	1.9	-	-	1.9	4.7	-	-	4.7	-	-	-	-
Tinea cruris.....13131	0.8	-	-	0.8	0.4	-	-	0.4	-	-	-	-
Tumors ²19X,22X,23X,23Y	7.0	-	-	7.0	18.6	2.4	-	16.2	28.6	3.4	0.8	24.4
Malignant.....19X	5.3	-	-	5.3	5.2	-	-	5.2	7.3	1.1	-	6.2
Basal-cell epithelioma.....19X1	5.3	-	-	5.3	2.4	-	-	2.4	5.1	-	-	5.1
Benign ²22X	-	-	-	-	1.9	-	-	1.9	2.7	0.1	0.8	1.8
Lipoma.....22X959	-	-	-	-	-	-	-	-	0.2	-	0.1	0.1
Precancerous and not specified.....23X,23Y	1.7	-	-	1.7	11.5	2.4	-	9.1	18.6	2.2	-	16.4
Actinic keratosis.....23X081	1.7	-	-	1.7	8.7	2.4	-	6.3	16.8	2.2	-	14.6
Seborrheic dermatitis.....700	8.6	-	-	8.6	5.9	-	-	5.9	8.2	-	-	8.2
Seborrheic dermatitis, type not indicated.....700010	8.6	-	-	8.6	5.9	-	-	5.9	8.2	-	-	8.2
Atopic dermatitis, eczema.....701,708300,708310,708320	8.9	3.7	0.6	4.6	6.9	2.5	-	4.4	9.9	2.2	0.8	6.9
Atopic dermatitis.....708310	1.3	-	-	1.3	3.4	1.5	-	1.9	1.6	-	-	1.6
Lichen simplex chronicus.....708320	3.4	-	0.3	3.1	2.6	-	-	2.6	0.7	-	-	0.7
Hand eczema.....701000	0.8	0.8	-	-	1.0	1.0	-	-	1.8	1.8	-	-
Nummular eczema.....701010	0.2	-	-	0.2	-	-	-	-	4.4	-	-	4.4
Dyshidrotic eczema.....701030	3.1	2.9	0.2	-	-	-	-	-	-	-	-	-
Contact dermatitis.....703	2.0	1.9	-	0.1	5.0	2.1	-	2.9	5.3	3.0	-	2.3
Ichthyosis, keratosis.....710130,710150	-	-	-	-	1.9	-	-	1.9	1.4	-	-	1.4
Verruca vulgaris.....696030	-	-	-	-	-	-	-	-	-	-	-	-
Folliculitis.....713908	1.1	-	-	1.1	2.8	-	-	2.8	-	-	-	-
Psoriasis.....706090	12.0	1.7	-	10.3	7.0	-	-	7.0	4.0	-	1.1	2.9
Seborrheic keratosis.....22X44X	1.7	-	-	1.7	2.2	-	-	2.2	6.3	-	-	6.3
Vitiligo.....716210	5.5	-	-	5.5	4.6	0.3	-	4.3	1.6	0.1	0.1	1.4
Urticaria (hives, etc.).....242-243	3.0	-	-	3.0	4.7	-	-	4.7	1.5	-	-	1.5
Herpes simplex.....096	-	-	-	-	-	-	-	-	-	-	-	-
All other skin conditions.....	24.4	0.6	2.8	21.0	27.8	1.4	5.5	20.9	35.2	3.2	4.9	27.1

¹See reference 8.

²Excludes seborrheic keratosis (22X44X) which is listed with benign tumors in the NYU classification.

Table 12. Prevalence of skin conditions of concern (complaints) among persons 1-74 years, by recurrence, duration, handicap, disfigurement and discomfort from condition, age and sex of persons affected, showing rates, selected standard errors, and number of persons affected: United States, 1971-1974

Age and sex	Recurrent	Active in past year	Present less than 2 years	Limits activity	Handicap to employment or housework	Precludes preferred employment	Social handicap	Some disfigurement	Some pain or burning	Some itching	Some motion limitation	Some overall discomfort
Rate per 1,000 population												
Both sexes, 1-74 years.....	62.8	77.1	12.3	10.5	10.2	1.5	35.1	71.4	22.6	46.7	5.6	59.2
1-5 years.....	14.6	22.0	9.0	2.9	0.6	1.0	3.0	19.5	10.2	20.0	2.1	20.0
6-11 years.....	20.9	26.3	11.6	5.5	1.2	0.7	7.4	21.3	6.9	23.0	2.7	25.7
12-17 years.....	77.8	100.4	25.5	12.4	6.9	2.2	68.8	99.6	19.7	41.9	4.9	71.0
18-24 years.....	76.5	97.1	17.4	14.4	16.5	0.7	62.5	93.4	28.7	36.6	8.2	64.8
25-34 years.....	88.7	100.4	10.5	11.8	16.8	3.0	44.2	80.9	32.9	60.0	8.0	69.4
35-44 years.....	74.8	85.9	7.7	12.3	11.9	0.2	35.3	79.0	26.4	56.3	6.4	71.3
45-54 years.....	70.4	83.2	8.3	8.2	9.1	1.8	26.2	73.3	27.0	72.1	3.1	77.3
55-64 years.....	58.0	75.6	8.4	14.1	14.9	1.6	27.1	80.7	22.6	51.8	5.3	55.2
65-74 years.....	68.0	89.8	8.0	11.6	12.6	2.2	22.0	88.8	26.4	56.4	11.4	70.2
Male, 1-74 years.....	69.6	83.9	12.6	9.8	9.9	1.3	32.6	74.7	25.9	55.0	6.1	66.0
1-5 years.....	10.4	15.7	6.5	2.5	1.1	0.2	1.6	15.7	7.2	13.9	1.9	12.9
6-11 years.....	25.5	33.5	9.5	6.3	2.4	1.1	6.1	21.8	7.8	31.5	2.8	33.9
12-17 years.....	74.7	94.1	25.1	7.6	2.6	3.0	58.5	87.1	22.8	40.9	1.9	70.9
18-24 years.....	82.0	102.7	17.5	14.4	23.3	-	59.3	92.4	34.8	39.1	10.1	65.6
25-34 years.....	97.8	107.5	12.0	7.0	14.5	-	43.8	82.8	34.7	71.2	9.3	79.7
35-44 years.....	88.3	102.0	4.2	15.6	8.8	-	38.2	90.2	27.0	73.1	8.8	83.0
45-54 years.....	89.7	108.1	15.9	8.8	10.9	3.7	28.6	95.4	39.2	100.6	5.2	103.5
55-64 years.....	67.1	80.8	9.3	18.1	15.3	1.1	17.4	91.6	30.9	60.4	6.6	64.1
65-74 years.....	83.0	104.9	5.8	7.8	11.2	3.6	20.1	99.8	25.6	61.1	9.8	71.3
Female, 1-74 years.....	56.3	70.7	12.1	11.1	10.4	1.7	37.4	68.4	19.5	39.0	5.2	52.7
1-5 years.....	19.0	28.6	11.6	3.4	0.2	1.9	4.5	23.3	13.3	26.2	2.4	27.3
6-11 years.....	16.2	19.0	13.8	4.7	-	0.2	8.7	20.7	6.1	14.3	2.5	17.2
12-17 years.....	80.9	116.1	25.9	17.5	11.5	1.3	79.5	112.6	16.5	42.9	8.1	71.1
18-24 years.....	71.4	91.6	17.3	14.4	10.2	1.4	65.6	94.3	22.9	34.2	6.4	64.0
25-34 years.....	80.5	98.5	9.1	16.2	19.0	5.7	44.5	79.2	31.2	49.8	6.8	60.0
35-44 years.....	62.5	72.1	10.9	9.2	14.8	0.3	32.7	68.7	25.8	40.8	4.3	60.5
45-54 years.....	52.6	64.5	1.4	7.6	7.4	-	24.0	53.1	15.9	45.9	1.3	53.2
55-64 years.....	49.8	77.5	7.5	10.6	14.5	2.1	35.8	71.0	15.1	44.0	4.2	47.3
65-74 years.....	56.7	77.6	9.6	14.5	13.6	1.2	23.4	80.5	27.0	52.8	12.7	69.4
Standard error of rate												
Both sexes, 1-74 years.....	6.22	7.30	1.70	2.06	2.04	0.45	3.95	6.65	2.61	4.02	0.70	5.90
Male, 1-74 years.....	7.11	8.41	2.25	1.63	2.04	0.60	3.30	7.63	3.69	5.61	0.93	6.81
Female, 1-74 years.....	6.63	7.49	1.83	2.62	2.26	0.51	5.65	6.83	2.20	3.41	0.95	5.92
Number of persons in thousands												
Both sexes, 1-74 years.....	12,174	13,569	2,072	2,031	1,976	290	6,809	13,857	4,380	9,065	1,096	11,475
Male, 1-74 years.....	6,551	7,153	962	919	936	124	3,071	7,033	2,435	5,174	573	6,217
Female, 1-74 years.....	5,623	6,416	1,110	1,112	1,040	166	3,738	6,824	1,945	3,891	523	5,258

Table 13. Type of care sought and adequacy of treatment for skin conditions of concern (complaints) among persons 1-74 years, by age and sex, showing rates, selected standard errors, and number of persons affected: United States, 1971-1974

Age and sex	Care for skin complaint sought from				Now under best care	Not now under best care	Could be improved with expert care	All conditions could not be improved with care	Some conditions could not be improved with care
	Nonprofessional	Pharmacy	Dermatologist	Other physician					
Rate per 1,000 population									
Both sexes, 1-74 years ..	18.4	5.9	20.7	27.4	21.5	82.0	79.5	5.9	6.2
1-5 years.....	1.6	1.6	3.5	17.1	10.9	22.8	20.3	4.9	4.9
6-11 years.....	3.8	0.2	9.8	14.5	10.7	28.5	28.5	0.5	0.5
12-17 years.....	30.4	13.1	18.5	17.6	24.4	108.9	110.0	4.6	4.6
18-24 years.....	26.7	9.1	29.7	22.2	20.6	110.2	104.3	8.9	8.9
25-34 years.....	25.0	7.5	29.0	28.1	24.8	96.1	93.3	7.0	7.0
35-44 years.....	17.6	4.6	19.4	43.9	25.1	89.7	86.4	10.4	10.4
45-54 years.....	17.9	6.8	26.0	40.5	26.9	95.0	87.3	6.9	9.0
55-64 years.....	18.6	3.4	25.5	31.6	22.7	76.2	75.5	3.9	3.9
65-74 years.....	17.3	3.1	20.4	33.2	27.5	98.7	98.9	5.7	5.8
Male, 1-74 years.....	21.7	7.0	19.3	27.2	19.3	93.0	90.5	6.2	6.4
1-5 years.....	1.0	1.3	1.4	13.6	7.9	18.7	16.1	3.9	3.9
6-11 years.....	3.8	-	13.9	16.5	7.8	35.1	34.9	0.6	0.6
12-17 years.....	31.5	15.8	7.3	14.1	13.7	108.0	109.7	6.9	6.9
18-24 years.....	27.4	8.6	29.8	18.2	23.7	113.4	111.3	9.8	9.8
25-34 years.....	31.8	6.6	26.8	26.0	18.4	116.9	113.4	6.2	6.2
35-44 years.....	26.8	5.4	14.7	46.7	19.9	111.5	109.2	12.3	12.3
45-54 years.....	24.6	11.3	32.2	50.6	37.3	125.6	118.1	5.7	7.8
55-64 years.....	22.3	6.6	26.2	30.4	21.4	83.8	79.9	3.4	3.4
65-74 years.....	19.2	3.1	20.0	32.9	27.3	116.3	114.0	6.3	6.3
Female, 1-74 years.....	15.3	4.9	22.0	27.6	23.6	71.7	69.1	5.7	5.9
1-5 years.....	2.2	1.8	5.6	20.7	14.1	27.1	24.5	5.9	5.9
6-11 years.....	3.9	0.3	5.7	12.4	13.7	21.8	21.8	0.4	0.4
12-17 years.....	29.3	10.3	30.2	21.3	35.6	109.7	110.4	2.2	2.2
18-24 years.....	26.0	9.5	29.6	25.9	17.7	107.2	97.7	7.9	7.9
25-34 years.....	18.9	8.4	30.9	30.1	30.6	77.2	75.1	7.6	7.6
35-44 years.....	9.2	3.9	23.7	41.3	29.8	69.6	65.5	8.6	8.6
45-54 years.....	11.7	2.6	20.2	31.4	17.3	66.9	59.0	8.0	10.1
55-64 years.....	15.3	0.6	24.9	32.7	23.9	69.4	71.6	4.4	4.4
65-74 years.....	15.9	3.1	20.7	33.4	27.6	85.4	87.5	5.3	5.5
Standard error of rate									
Both sexes, 1-74 years ..	2.87	1.68	1.75	2.60	2.36	7.68	7.29	1.30	1.39
Male, 1-74 years.....	3.79	2.16	2.30	2.96	2.81	9.72	9.30	1.71	1.71
Female, 1-74 years.....	2.98	1.65	2.14	3.16	3.09	7.39	7.19	1.19	1.37
Number of persons in thousands									
Both sexes, 1-74 years ..	3,567	1,142	4,018	5,315	4,179	15,914	15,419	1,147	1,197
Male, 1-74 years.....	2,045	657	1,819	2,561	1,819	8,753	8,525	583	606
Female, 1-74 years.....	1,522	485	2,199	2,754	2,361	7,161	6,894	565	592

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APPENDIX I

STATISTICAL NOTES

The Survey Design

The sampling plan for the first 65 stands of the Health and Nutrition Examination Survey (HANES) followed a stratified multistage probability design in which a sample of the civilian noninstitutionalized population of the coterminous United States, 1-74 years of age, was selected. Excluded from the selection were persons residing in Alaska and Hawaii and those within the coterminous United States confined to institutions or residing on reservation lands of American Indians. Successive elements dealt with in the process of sampling were the primary sampling unit (PSU), census enumeration district (ED), segment (a cluster of households), household, eligible persons, and finally sample persons.

The starting points in the first stage of this design were the 1960 Decennial Census lists of addresses and the nearly 100 PSU's into which the entire United States was divided. Each PSU is either a standard metropolitan statistical area (SMSA), a single county, or two or three contiguous counties. The PSU's were grouped into 357 strata for use in the Health Interview Survey and subsequently collapsed into 40 superstrata for use in Cycles II and III of the Health Examination Survey and HANES.

Fifteen of the 40 superstrata contained a single large metropolitan area of more than 2,000,000 population. These 15 large metropolitan areas were selected for the sample with certainty. The 25 noncertainty strata were classified into four broad geographic regions of approximately equal population and cross-classified into four broad population density groups in each region. Then a modified Goodman-Kish controlled selection technique was

used to select two PSU's from each of the 25 noncertainty superstrata with the probability of selection of a PSU proportionate to its 1960 population so that proportionate representation of specified State groups and rate of population change classes was maintained in the sample. In this manner a total first-stage sample of 65 PSU's was selected. These 65 sample PSU's or stands are the areas within which a sample of persons would be selected for examination over a 3-year survey period.

Although the 1970 Census data were used as the frame for selecting the sample with PSU's when they became available, the calendar of operations required that 1960 Census data be used for the 44 of the 65 stands in the sample of HANES. Census enumeration districts (ED's) in each PSU were divided into segments of an expected six housing units each. In urban ED's the segments were clusters of six addresses from the 1960 Census Listing Books. For ED's not having usable addresses, area sampling was employed and, consequently, some variation in the segment size occurred. To make the sample representative of the current population of the United States, the address or list segments were supplemented by a sample of housing units that had been constructed since 1960.

Within each PSU a systematic sample of segments was selected. The ED's that fell into the sample were coded into one of two economic classes. The first class, identified as the "poverty stratum," was composed of "current poverty areas" that had been identified by the U.S. Bureau of the Census in 1970 (pre-1970 Census), plus other ED's in the PSU with a mean income of less than \$3,000 in 1959 (based on 1960 Census). The second economic class, the

“nonpoverty stratum,” includes all ED’s not designated as belonging to the poverty stratum.

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

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

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

<i>Age</i>	<i>Rate</i>
1-5 years	½
6-19 years	¼
20-44 years male	¼
20-44 years female	½
45-64 years	¼
65-74 years	1

The persons selected in the 65-stand sample of HANES make up a representative sample of the target population and include 28,043 sample persons 1-74 years of age of whom 20,749 or 74.0 percent were examined. When adjustments are made for differential sampling for high risk groups, the response rate becomes 75.2 percent.

All data presented in this report are based on “weighted” observations. That is, data recorded

for each sample person are inflated to characterize the subuniverse from which that sample person was drawn. The weight for each examined person is a product of the reciprocal of the probability of selecting the person, an adjustment for nonresponse cases (i.e., persons not examined), and a poststratified ratio adjustment that increases precision by making the final sample estimates of the population agree approximately with independent controls prepared by the U.S. Bureau of the Census for the noninstitutionalized population of the United States as of November 1, 1972 (approximate midsurvey point), by color, sex, and age shown in table I. Population estimates are included in some of the tables in greater detail than that used for weighting. These population figures, while not precise census estimates in this degree of age detail, are included to give a rough idea of the number in the population at risk.

A more detailed description of the survey design and selection technique can be found in the “Plan and operation of the Health and Nutrition Examination Survey, United States, 1971-1973,” *Vital and Health Statistics*, Series 1-No. 10a.⁷

Nonresponse

In any health examination survey, after the sample is identified and the sample persons are requested to participate in the examination, the survey meets one of its more severe problems. Usually a sizable number of sample persons will not participate in the examination. Whether or not an individual participates is determined by many factors, some of them uncontrollable and, therefore, may be reasonably treated as an outcome of a random event with a particular probability of occurrence. If these probabilities of participation were known and greater than zero for all persons, then the examined persons would constitute a probability sample from which unbiased estimates of the target population could be derived. In this situation, the effect of nonparticipation would only be to reduce the sample size, thereby increasing the sampling

NOTE: A list of references follows the text.

Table I. United States civilian noninstitutionalized population, by age, sex, and color, November 1, 1972

Sex and color	Total	Age in years				
		1-5	6-19	20-44	45-64	65-74
Total	193,976,447	17,282,843	55,434,127	66,307,351	42,344,237	12,607,889
Male	94,151,059	8,818,156	28,014,291	31,757,861	20,090,791	5,469,960
White	82,652,067	7,407,500	23,911,243	28,195,112	18,190,148	4,948,064
All other	11,498,992	1,410,656	4,103,048	3,562,749	1,900,643	521,896
Female	99,825,388	8,464,687	27,419,836	34,549,490	22,253,446	7,137,929
White	86,932,196	7,070,529	23,261,515	30,102,612	20,011,119	6,486,421
All other	12,843,192	1,394,158	4,158,321	4,446,878	2,242,327	651,508

Source: Unpublished estimates of September 27, 1974, from the U.S. Bureau of the Census.

errors of examination findings. In practice, however, a potential for bias due to nonresponse exists because the exact probabilities are never known. A further potential for bias exists if: (1) a sizable proportion of sample persons have a zero probability of participation, that is, they would never agree to participate in an examination survey of the same procedures and inducements, and also (2) these persons differ from other sample persons with respect to characteristics under examination. It is for these reasons that intensive efforts are made in HANES to develop and implement procedures and inducements that would reduce the number of nonrespondents and thereby reduce the potential of bias due to nonresponse. These procedures and inducements are discussed in the "Plan and operation of the Health and Nutrition Examination Survey, United States, 1971-1973," Series 1-No. 10a.⁷

Despite these intensive efforts, 24.8 percent of the sample persons from the 65 stands were not examined. Consequently, the potential for a sizable bias does exist in the estimates in this publication. From what we know about the nonrespondents and the nature of nonresponse, we believe that the likelihood of sizable bias is small. For instance, only a small proportion of persons gave reasons for nonparticipation which would lead to the belief that they would never agree to participate in examination surveys and that they may differ from examined persons with respect to the characteristic under examination. Only 15 percent of the nonrespondents

gave as their reasons for nonparticipation personal illness, physically unable, pregnant, antidoctor, or fear of finding something wrong. Typical among the reasons given by the other nonrespondents were: unable because of work, school, or household duties; suspicious or skeptical of the program; just not interested in participating; and private medical care sufficient or just visited doctor.

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

As was mentioned earlier, the data in this report are based on weighted observations, and one of the components of the weight assigned to an examined person was an adjustment for nonresponse. Because the probabilities of participation are not known for sample persons in HANES, a procedure was adopted that multi-

plies the reciprocal of the probability of selection of sample persons by a factor that brings estimates based on examined persons only up to a level that would have been achieved if all sample persons had been examined. This nonresponse adjustment factor is the ratio of the sum of sampling weights for all sample persons within a relatively homogeneous class defined by age, sex, and five income groups (under \$3,000; \$3,000-\$6,999; \$7,000-\$9,999; \$10,000-\$14,999; and \$15,000 and over) within each stand, to the sum of sampling weights for all responding sample persons within the same homogeneous class for the same stand. To the degree that homogeneous groups can be defined which are also homogeneous with respect to the characteristics under study, the procedure can be effective in reducing the potential bias from nonre-

sponse. For the 65-stand sample of HANES, the percent distribution of the nonresponse adjustment factors used for the 325 income group-stand cells is shown in table II.

Missing Data

Examination surveys are subject to the loss of information not only through the failure to examine all sample persons, but also from the failure to obtain and record all items of information for examined persons. The dermatology examination was not obtained for 111 or 0.54 percent of the 20,749 examinees in this HANES I program. The age-sex distribution of these non-examined persons is shown in table III. In the detailed tables and findings of this report, no estimate has been made for what skin findings they might have had. Rather it has been assumed that they had normal skin.

Small Numbers

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

Sampling and Measurement Error

In the present report, reference has been made to efforts to minimize bias and variability

Table II. Percent distribution of nonresponse adjustment factors: Health and Nutrition Examination Survey, stands 01-65, 1971-1974

Size of factor	Number of cells	Percent distribution
Total	325	100.0
1.00-1.24	106	32.6
1.25-1.49	125	38.4
1.50-1.74	59	18.2
1.75-1.99	24	7.4
2.00-2.49	9	2.8
2.50-2.99	1	0.3
3.00-3.03	1	0.3

Table III. Total number of examinees and those not given the dermatological component, by age and sex: Health and Nutrition Examination Survey, United States, 1971-1974

Age	Both sexes		Male	Female	Both sexes		Male	Female
	Total number examined			Number not examined				
All ages, 1-74 years	20,749	8,819	11,930	111	39	72		
1-5 years	2,953	1,502	1,451	8	2	6		
6-11 years	2,019	1,001	1,018	8	4	4		
12-17 years	2,132	1,068	1,064	11	4	7		
18-24 years	2,297	770	1,527	17	7	10		
25-34 years	2,694	799	1,895	14	4	10		
35-44 years	2,327	666	1,661	15	2	13		
45-54 years	1,599	767	832	12	5	7		
55-64 years	1,262	591	671	11	5	6		
65-74 years	3,466	1,655	1,811	15	6	9		

of measurement techniques. The potential of residual bias due to the high nonresponse rate has also been discussed.

The probability design of the survey makes possible the calculation of sampling errors. Traditionally, the role of the sampling error has been the determination of how imprecise the survey results may be because they come from a sample rather than from the measurement of all elements in the universe.

The estimation of sampling errors for a study of the type of the Health and Nutrition Examination Survey is difficult for at least three reasons: (1) measurement error and "pure" sampling error are confounded in the data—it is not easy to find a procedure that will either completely include both or treat one or the other separately, (2) the survey design and estimation procedure are complex and, accordingly, require computationally involved techniques for the calculation of variances, and (3) hundreds of statistics are presented in the tables in this report, many for subclasses of the population for which there are a small number of sample cases. Estimates of sampling error are obtained from the sample data and are themselves subject to sampling error when the number of cases in a cell is small or, even occasionally, when the number of cases is substantial.

Estimates of the standard errors for selected statistics used in this report are presented in most of the tables in this report. These estimates have been prepared by a replication technique that yields overall variability through observation of variability among random subsamples of the total sample.^{18,19} Again, readers are reminded that these estimated sampling errors do not reflect any residual bias that might still be present after the attempted correction for nonresponse. The standard error is primarily a measure of sampling variability, that is, the variations that might occur by chance because only a sample of the population is surveyed. As calculated for this report, the standard error also reflects part of the variation that arises in the measurement process. It does not include estimates of any biases that might lie in the data. The chances are about 68 out of 100 that an estimate from the sample would differ from a complete census by less than the standard error.

The chances are about 95 out of 100 that the differences would be less than twice the standard error and about 99 out of 100 that it would be less than 2½ times as large.

Tests of Significance

The procedure used in this report for testing the significance of the difference between the two means consisted of dividing the difference between the two means by the standard error of the difference; that is, a *z* statistic was computed. An approximation of the standard error of a difference $d = x - y$ of the two statistics *x* and *y* is given by the formula

$$S_d = (S_x^2 + S_y^2)^{1/2}$$

where S_x and S_y are the sampling errors, respectively, of *x* and *y*. Of course, where the two groups or measures are positively or negatively correlated, this will give an overestimate or underestimate, respectively, of the actual standard error.

Examiner Variability

The Data Collection Unit of the Committee on Planning for the National Academy of Dermatology (NAD), under chairman Dr. Marie-Louise T. Johnson, was responsible for planning the content of the dermatology examination and for recruiting and training the 101 dermatologist examiners employed at the 65 examination locations in the Health and Nutrition Examination Survey of 1971-1974.

Advance training in the dermatology examination protocol was given each dermatologist before the survey examinations were started. In addition, members of the NAD Data Collection Unit periodically reviewed the methods used and the recording of findings by the dermatologists during the survey. After completion of the survey, Dr. Johnson thoroughly reviewed the 20,637 recorded examinations to ensure consistency with the standard examination protocol, including the selection of the significant diagnoses, and resolved the diagnoses of skin cancer and dermatophytoses on the basis of subsequent findings from the biopsy and fungal laboratory determinations, respectively.

The number of examinees per dermatologist ranged from 4 to 638, with 27 percent examining fewer than 100 persons, 28 percent 100-199 persons, 26 percent 200-299 persons, and 20 percent 300 persons or more.

Variation would be expected among the examiners in the proportion of their examinees found to have significant skin pathology and in the proportion with skin complaints because of differences in the age-sex distribution among them in the groups examined, regional differences, and the extent or type of environmental exposure that may affect the prevalence of various types of skin pathology and other factors. To assess the extent of examiner variability and the effect that it may have had on the findings from this dermatology examination, the effect of age-sex differences in the groups examined by each dermatologist have been controlled through a direct adjustment method. In this the age-sex-specific rates for each examiner have been applied against the number of persons in that age-sex group for the total population and the age-sex-adjusted rate recomputed.

Among persons examined, the age-sex-adjusted proportions found to have significant skin pathology range from 0 to 90.4 percent per examiner, with one-fourth of the dermatologists finding 13.7 percent or less of their examinees to have such pathology, one-half finding between 13.7 and 46.1 percent, and the remaining one-fourth finding 46.1 percent or more with significant skin pathology (tables IV and V). The range in such findings among examiners is negligibly greater among females (0 to 90.0 percent) than among males (0 to 88.2 percent).

Examiner variability in the proportion of their examinees with skin complaints, when the effect of age-sex differences among the groups are removed by direct adjustment is somewhat less than that for significant pathology because of the lower rates in general for the complaints. The range in the age-sex-adjusted rates of skin

Table IV. Range, mean, median, and quartiles in the distribution of dermatologist examiners, by the age-sex adjusted proportion of examinees with significant skin pathology, skin conditions of concern (complaints), and their ratio: Health and Nutrition Examination Survey, 1971-1974

Measure and sex	Significant skin pathology	Skin condition of concern to examinee	Ratio—100 X skin complaint/significant skin pathology
Both sexes			
	Rate per 1,000 population		
Range.....	0-903.9	0-707.8	¹ 0-428.9
Mean.....	312.4	113.6	36.4
Median.....	265.4	88.6	43.5
P ₂₅	136.7	27.3	8.5
P ₇₅	461.1	198.0	84.8
Male			
Range.....	0-882.5	0-805.6	¹ 0-617.6
Mean.....	339.8	127.7	37.6
Median.....	279.7	118.8	43.5
P ₂₅	149.2	30.0	9.9
P ₇₅	508.3	261.5	99.0
Female			
Range.....	0-900.2	0-827.4	¹ 0-4,424.6
Mean.....	286.6	100.3	35.0
Median.....	241.0	90.6	47.5
P ₂₅	122.8	25.8	84.0
P ₇₅	429.5	204.9	92.8

¹Excludes examiner finding of no significant pathology but with examinee having conditions of concern (24.2 percent).

complaints is from 0 to 70.8 percent per examiner, with one-fourth of the examiners recording 2.7 percent or less, one-half of the examiners between 2.7 and 19.8 percent, and the remainder 19.8 percent or more of their examinees with skin complaints.

The ratio of skin complaints to significant skin pathology per examiner ranges from 0 to 4.29, with one-fourth of the examiners showing 0.08 or less, one-half from 0.08 to 0.85, and the remainder 0.85 or more.

Table V. Number of examinees and age-sex adjusted proportion of examinees with skin pathology, skin conditions of concern (complaints), and their ratio, by dermatologist examiner and sex of examinee: Health and Nutrition Examination Survey, 1971-1974

Examiner number	Significant skin pathology	Skin complaints by the examinee	Ratio—100 X complaints/significant skin pathology	Number of examinees
	Rate per 1,000 persons			
All examiners.....	312.4	113.6	36.4	20,638
1.....	94.5	141.0	149.2	274
3.....	206.0	88.0	42.7	438
4.....	403.9	400.5	99.2	91
5.....	47.0	38.7	82.3	31
6.....	184.4	203.0	110.1	221
8.....	170.0	146.6	86.2	303
9.....	99.4	43.4	43.6	174
10.....	281.3	234.6	83.4	312
11.....	367.2	156.0	42.5	183
12.....	487.8	205.5	42.1	629
13.....	26.2	14.4	55.0	218
14.....	377.9	390.8	103.4	119
15.....	427.7	190.6	44.6	217
16.....	198.6	204.7	103.1	216
17.....	249.1	48.5	19.4	370
18.....	116.1	142.0	122.3	98
19.....	188.6	95.0	50.3	638
20.....	134.4	74.4	55.3	216
21.....	217.0	129.0	59.4	266
22.....	362.4	361.1	99.6	552
23.....	53.7	60.9	113.4	181
24.....	96.0	0.0	0.0	160
25.....	436.8	352.1	80.6	116
26.....	106.2	9.7	9.1	247
27.....	456.0	0.0	0.0	229
28.....	380.1	10.6	2.7	603
29.....	581.6	236.7	40.7	427
30.....	244.8	12.5	5.1	417
31.....	614.8	0.1	0.0	75
32.....	198.3	196.5	99.1	43
33.....	364.2	128.8	35.4	241
34.....	89.2	18.3	20.5	258
35.....	58.7	0.0	0.0	241
36.....	314.5	196.2	62.4	404
37.....	230.7	27.6	11.5	328
38.....	227.6	72.2	31.7	277
39.....	244.7	44.8	18.7	41
40.....	107.4	29.4	27.4	284
41.....	164.0	107.5	65.5	251
42.....	256.8	90.4	35.2	234
43.....	500.3	40.0	7.9	176
44.....	275.6	153.6	55.7	89
45.....	670.5	93.7	14.0	500
46.....	250.7	57.4	22.9	217
47.....	221.7	44.6	20.1	215
48.....	715.9	33.2	4.9	481
49.....	853.7	28.2	3.3	139
50.....	466.2	10.8	2.3	166
51.....	791.4	2.6	0.6	357

Table V. Number of examinees and age-sex adjusted proportion of examinees with skin pathology, skin conditions of concern (complaints), and their ratio, by dermatologist examiner and sex of examinee: Health and Nutrition Examination Survey, 1971-1974--Con.

Examiner number	Significant skin pathology	Skin complaints by the examinee	Ratio—100 X complaints/significant skin pathology	Number of examinees
	Rate per 1,000 persons			
52.....	70.3	0.0	0.0	67
53.....	592.6	592.6	100.0	80
54.....	261.4	13.3	5.1	93
55.....	243.7	127.6	52.3	102
56.....	45.9	35.2	76.7	116
57.....	135.4	250.0	184.6	39
58.....	764.9	5.2	0.7	131
59.....	162.9	19.1	11.6	140
60.....	728.1	143.1	19.6	226
61.....	601.0	357.4	59.4	40
62.....	171.3	82.0	47.8	79
63.....	514.3	233.4	45.4	55
64.....	431.9	445.2	103.1	173
65.....	137.9	591.4	428.9	9
66.....	903.9	30.8	3.4	209
67.....	501.3	37.4	7.4	326
68.....	396.9	131.7	33.2	253
69.....	272.7	144.5	53.0	136
70.....	128.4	89.3	70.0	129
71.....	68.2	50.8	74.5	280
72.....	256.4	234.8	91.2	143
73.....	436.3	4.5	1.0	580
74.....	322.1	7.2	2.2	212
75.....	239.4	195.2	81.5	394
76.....	636.3	162.7	25.6	157
77.....	378.4	99.6	26.3	194
78.....	358.5	156.1	43.5	110
79.....	104.7	0.0	0.0	362
80.....	554.2	18.7	3.4	61
81.....	108.2	16.9	15.6	56
82.....	523.8	523.8	100.0	22
83.....	106.9	182.9	171.1	89
84.....	445.8	22.2	5.0	195
85.....	547.3	11.4	2.1	113
86.....	641.4	-	-	61
87.....	288.8	62.5	21.6	68
88.....	63.3	31.9	50.4	315
89.....	402.0	259.2	64.5	94
90.....	-	241.7	0.0	23
91.....	340.3	179.4	52.7	157
92.....	200.8	265.8	132.4	125
93.....	489.0	199.5	40.8	104
94.....	48.1	77.6	161.3	197
95.....	135.5	-	-	261
96.....	436.2	397.4	91.1	108
97.....	269.5	390.5	145.0	50
99.....	292.2	707.8	242.2	4
100.....	207.0	124.5	60.1	76
101.....	600.6	27.0	4.5	210
102.....	38.8	71.2	183.5	234
104.....	518.0	72.0	13.9	51
105.....	490.3	443.9	94.6	166

Table V. Number of examinees and age-sex adjusted proportion of examinees with skin pathology, skin conditions of concern (complaints), and their ratio, by dermatologist examiner and sex of examinee: Health and Nutrition Examination Survey, 1971-1974—Con.

Examiner number	Significant skin pathology	Skin complaints by the examinee	Ratio—100 X complaints/significant skin pathology	Number of examinees
	Rate per 1,000 males			
All examiners.....	339.8	127.7	37.6	8,780
1.....	137.8	234.4	170.1	121
3.....	250.2	113.0	45.2	189
4.....	505.8	505.8	100.0	44
5.....	29.2	149.8	513.0	15
6.....	240.0	254.8	106.2	92
8.....	210.7	168.6	80.0	123
9.....	76.7	16.8	21.9	79
10.....	299.1	248.6	83.1	137
11.....	395.3	154.6	39.1	90
12.....	523.2	218.3	41.7	268
13.....	10.6	3.6	34.0	84
14.....	511.8	501.8	98.0	49
15.....	496.7	253.9	51.1	92
16.....	301.5	301.6	100.0	88
17.....	266.2	10.9	4.1	156
18.....	68.3	98.7	144.5	42
19.....	255.4	111.0	43.5	253
20.....	156.3	92.5	59.2	91
21.....	231.6	126.5	54.6	101
22.....	390.8	390.8	100.0	245
23.....	51.2	26.8	52.3	82
24.....	149.4	0.0	0.0	67
25.....	506.8	394.4	77.8	52
26.....	101.8	11.5	11.3	115
27.....	551.6	0.0	0.0	91
28.....	401.3	17.0	4.2	259
29.....	664.0	278.3	41.9	182
30.....	293.0	16.0	5.5	185
31.....	653.0	0.0	0.0	40
32.....	130.4	380.7	291.9	17
33.....	431.1	111.8	25.9	96
34.....	129.4	21.8	16.8	102
35.....	64.2	0.0	0.0	113
36.....	357.0	221.2	62.0	163
37.....	246.0	17.2	7.0	145
38.....	256.7	103.1	40.2	121
39.....	281.4	331.8	117.9	14
40.....	139.5	37.9	27.2	123
41.....	191.0	118.0	61.8	108
42.....	282.4	119.0	42.1	97
43.....	575.6	22.8	4.0	72
44.....	314.2	235.4	74.9	43
45.....	708.8	98.2	13.9	205
46.....	224.0	43.9	19.6	83
47.....	170.9	46.1	27.0	92
48.....	692.4	27.8	4.0	219
49.....	865.3	44.5	5.1	56
50.....	556.0	1.0	0.2	71
51.....	845.6	0.4	0.0	152

Table V. Number of examinees and age-sex adjusted proportion of examinees with skin pathology, skin conditions of concern (complaints), and their ratio, by dermatologist examiner and sex of examinee: Health and Nutrition Examination Survey, 1971-1974—Con.

Examiner number	Significant skin pathology	Skin complaints by the examinee	Ratio—100 X complaints/significant skin pathology	Number of examinees
52.....	-	94.4	---	28
53.....	355.6	684.3	192.4	32
54.....	213.8	11.6	5.4	35
55.....	368.2	172.6	46.9	42
56.....	19.9	122.9	617.6	52
57.....	149.0	422.6	283.6	17
58.....	730.0	119.6	16.4	47
59.....	200.6	34.1	17.0	55
60.....	705.4	132.5	18.8	105
61.....	486.9	530.4	108.9	17
62.....	97.2	30.3	31.2	39
63.....	548.2	286.6	52.3	27
64.....	518.3	583.8	112.6	69
65.....	136.0	690.8	507.9	5
66.....	882.5	37.4	4.2	80
67.....	538.9	45.9	8.5	164
68.....	509.8	154.3	30.3	112
69.....	279.7	175.9	62.9	59
70.....	94.8	60.0	63.3	47
71.....	59.3	53.9	90.9	115
72.....	230.7	193.9	84.0	62
73.....	449.6	6.6	1.5	233
74.....	417.9	0.0	0.0	90
75.....	216.2	130.8	60.5	171
76.....	648.3	138.4	21.3	69
77.....	514.6	61.8	12.0	81
78.....	416.7	95.7	23.0	40
79.....	142.6	0.0	0.0	150
80.....	519.3	0.0	0.0	24
81.....	199.6	48.0	24.0	25
82.....	235.3	728.4	309.6	7
83.....	51.0	44.2	86.7	37
84.....	473.7	11.5	2.4	82
85.....	528.2	18.6	3.5	46
86.....	685.6	-	-	28
87.....	266.3	59.9	22.5	28
88.....	41.6	29.7	71.4	132
89.....	455.1	339.0	74.5	40
90.....	-	449.6	---	8
91.....	336.8	103.4	30.7	62
92.....	224.9	314.0	139.6	55
93.....	412.7	390.5	94.6	43
94.....	75.8	98.8	130.3	80
95.....	175.0	-	-	119
96.....	525.1	533.2	101.5	44
97.....	110.5	307.9	278.6	23
99.....	194.4	805.6	414.4	2
100.....	180.4	268.2	148.7	35
101.....	666.0	33.4	5.0	89
102.....	58.2	85.3	146.6	106
104.....	213.0	392.2	184.1	21
105.....	453.0	414.8	91.6	77

Table V. Number of examinees and age-sex adjusted proportion of examinees with skin pathology, skin conditions of concern (complaints), and their ratio, by dermatologist examiner and sex of examinee: Health and Nutrition Examination Survey, 1971-1974—Con.

Examiner number	Significant skin pathology	Skin complaints by the examinee	Ratio—100 X complaints/significant skin pathology	Number of examinees
	Rate per 1,000 females			
All examiners.....	286.6	100.3	35.0	11,858
1.....	65.4	62.2	95.1	153
3.....	156.9	63.5	40.5	249
4.....	214.0	210.4	98.3	47
5.....	51.2	224.4	438.3	16
6.....	129.2	146.3	113.2	129
8.....	120.1	110.7	92.2	180
9.....	98.6	57.9	58.7	95
10.....	246.4	192.0	77.9	175
11.....	327.6	156.4	47.7	93
12.....	443.6	200.8	45.3	361
13.....	35.5	19.5	54.9	134
14.....	236.0	268.3	113.7	70
15.....	376.3	166.8	44.3	125
16.....	103.0	113.1	109.8	128
17.....	241.0	83.3	34.6	214
18.....	125.6	148.4	118.2	56
19.....	135.1	80.8	59.8	385
20.....	125.6	47.9	38.1	125
21.....	188.5	124.6	66.1	165
22.....	304.4	302.4	99.3	307
23.....	47.0	91.3	194.3	99
24.....	68.1	0.0	0.0	93
25.....	359.9	401.0	111.4	64
26.....	111.8	4.4	3.9	132
27.....	366.9	0.0	0.0	138
28.....	363.7	3.6	1.0	344
29.....	502.9	199.8	39.7	245
30.....	196.4	14.0	7.1	232
31.....	571.6	0.0	0.0	35
32.....	212.6	220.1	103.5	26
33.....	315.6	94.5	29.9	145
34.....	69.1	15.5	22.4	156
35.....	55.9	0.0	0.0	128
36.....	276.4	163.8	59.3	241
37.....	288.8	37.5	13.0	183
38.....	222.8	30.1	13.5	156
39.....	173.4	119.0	68.6	27
40.....	221.9	25.4	11.4	161
41.....	80.4	84.6	105.2	143
42.....	114.3	88.3	77.3	137
43.....	230.8	54.4	23.6	104
44.....	460.6	64.1	13.9	46
45.....	218.4	90.6	41.5	295
46.....	636.6	55.0	8.6	134
47.....	258.6	39.0	15.1	123
48.....	245.2	40.3	16.4	262
49.....	829.2	8.0	1.0	83
50.....	467.9	16.7	3.6	95
51.....	736.3	4.8	0.7	205

Table V. Number of examinees and age-sex adjusted proportion of examinees with skin pathology, skin conditions of concern (complaints), and their ratio, by dermatologist examiner and sex of examinee: Health and Nutrition Examination Survey, 1971-1974—Con.

Examiner number	Significant skin pathology	Skin complaints by the examinee	Ratio—100 X complaints/significant skin pathology	Number of examinees
	Rate per 1,000 females			
52.....	173.6	0.0	0.0	39
53.....	587.4	587.5	100.0	48
54.....	262.8	18.1	6.9	58
55.....	88.9	57.2	64.3	60
56.....	53.9	36.8	68.3	64
57.....	153.9	313.0	203.4	22
58.....	699.3	6.9	1.0	84
59.....	138.1	11.3	8.2	85
60.....	751.0	151.5	20.2	121
61.....	619.6	253.6	40.9	23
62.....	272.5	189.4	69.5	40
63.....	416.6	209.0	50.2	28
64.....	396.8	371.2	93.5	104
65.....	18.7	827.4	4,424.6	4
66.....	900.2	21.8	2.4	129
67.....	447.3	26.1	5.8	162
68.....	218.7	111.1	50.8	141
69.....	295.3	139.8	47.3	77
70.....	139.3	98.2	70.5	82
71.....	80.1	52.6	65.7	165
72.....	230.4	241.2	104.7	81
73.....	411.7	2.7	0.7	347
74.....	229.6	14.3	6.2	122
75.....	245.2	229.8	9.4	223
76.....	628.1	196.9	31.3	88
77.....	269.6	130.9	48.6	113
78.....	347.4	214.2	61.7	70
79.....	98.8	0.0	0.0	212
80.....	555.7	28.4	5.1	37
81.....	64.2	0.0	0.0	31
82.....	563.3	563.3	100.0	15
83.....	111.3	260.4	234.0	52
84.....	442.4	32.6	7.4	113
85.....	541.4	-	-	67
86.....	504.5	122.8	24.3	33
87.....	222.2	109.7	49.4	40
88.....	84.2	34.5	41.0	183
89.....	293.2	233.0	79.5	54
90.....	-	440.4	-	15
91.....	344.1	246.2	71.5	95
92.....	195.6	258.4	132.1	70
93.....	512.8	88.3	17.2	61
94.....	12.4	44.1	3.6	117
95.....	71.6	-	-	142
96.....	450.8	384.5	85.3	64
97.....	364.7	490.5	134.5	27
99.....	222.5	777.5	349.4	2
100.....	248.0	195.6	78.9	41
101.....	541.3	22.1	4.1	121
102.....	37.5	35.5	94.7	128
104.....	625.1	181.1	29.0	30
105.....	539.0	476.7	88.4	89

APPENDIX II

THE DERMATOLOGY EXAMINATION FORM

HEALTH AND NUTRITION EXAMINATION SURVEY
DERMATOLOGY EXAMINATION

Deck No. 151
(USE RED PENCIL TO FILL FORM)

NAME (Last, First, Middle)	SAMPLE NUMBER	EXAMINER NO.	STATE OR FOREIGN COUNTRY OF LONGEST RESIDENCE
			[001] [002] Years

OCCUPATIONAL EXPOSURE [003] 1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No IF YES: (CHECK ALL THAT APPLY) [004] 1 <input type="checkbox"/> Chemicals, fumes, or vapors [007] 1 <input type="checkbox"/> Immersion (hands or feet) [005] 1 <input type="checkbox"/> Oils [008] 1 <input type="checkbox"/> Other (SPECIFY) [006] 1 <input type="checkbox"/> Insecticides	EXPOSURE TO LIGHT [009] (by history) 1 <input type="checkbox"/> Unimpressive 2 <input type="checkbox"/> Moderate 3 <input type="checkbox"/> Considerable
--	---

SIGNIFICANT DERMATOLOGICAL DIAGNOSIS FROM THIS EXAMINATION			
Clinical Impression	Code	Biopsy	
1. _____	[010]	[011] 1 <input type="checkbox"/> Done 2 <input type="checkbox"/> Not done →	[012] 1 <input type="checkbox"/> Refused 2 <input type="checkbox"/> Other reason
2. _____	[013]	[014] 1 <input type="checkbox"/> Done 2 <input type="checkbox"/> Not done →	[015] 1 <input type="checkbox"/> Refused 2 <input type="checkbox"/> Other reason
3. _____	[016]	[017] 1 <input type="checkbox"/> Done 2 <input type="checkbox"/> Not done →	[018] 1 <input type="checkbox"/> Refused 2 <input type="checkbox"/> Other reason

FINDINGS RELATING TO NUTRITION

SIGNIFICANT DERMATOLOGICAL DIAGNOSIS MADE PREVIOUSLY NOW SUPPRESSED OR IN REMISSION	PHOTOGRAPHY OF SKIN: Frame No. Lesion diagnosis code [019]
	Code Certain Probable Doubtful
1. _____	[020] [021] 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/>
2. _____	[022] [023] 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/>

GENERAL APPEARANCE (1 - 3)

1. Hair color (Natural)
(CHECK 1 BOX)

- | | |
|--|--|
| [024] 01 <input type="checkbox"/> Gray 1, 2
02 <input type="checkbox"/> Gray 3, 4
03 <input type="checkbox"/> White
04 <input type="checkbox"/> Black
05 <input type="checkbox"/> Dark brown
06 <input type="checkbox"/> Medium to light brown
07 <input type="checkbox"/> Chestnut or auburn
08 <input type="checkbox"/> Red (titian, carrot, etc.)
09 <input type="checkbox"/> Dark blonde
10 <input type="checkbox"/> Light blonde | [025] Age at first graying, _ years

Previous Hair Color if Gray or White
[026] 04 <input type="checkbox"/>
05 <input type="checkbox"/>
06 <input type="checkbox"/>
07 <input type="checkbox"/>
08 <input type="checkbox"/>
09 <input type="checkbox"/>
10 <input type="checkbox"/> |
|--|--|

3. Skin Texture

- [031] Surface 1 NO FINDINGS
- [032] 1 Coarse 2 Fine
 [033] 1 Oily 2 Scaling 3 Both
 [034] 1 Moist
- [035] Dry 1 Senile 2 Winter
 3 Both 4 Atopic Dry
- [036] 1 Atrophic 2 Thickened
 [037] 1 Wrinkled
 [038] 1 Other (SPECIFY)

CHECK "YES OR "NO" FOR EACH

- Dyed, tinted or bleached? [027] 1 Yes
 2 No
- Flag signs? [028] 1 Yes
 2 No

2. Eye Color - (CHECK 1 BOX)

- [029]
- | | |
|---|--|
| 1 <input type="checkbox"/> Dark brown | 5 <input type="checkbox"/> Dark blue |
| 2 <input type="checkbox"/> Light brown | 6 <input type="checkbox"/> Light blue |
| 3 <input type="checkbox"/> Gray, green, hazel | 7 <input type="checkbox"/> Mismatch |
| 4 <input type="checkbox"/> Speckled | 8 <input type="checkbox"/> Other (SPECIFY) |

Nevus of Iris - (CHECK 1 BOX)

- [030] 1 Right
 2 Left
 3 Both

Complexion

- Skin Color
- Code
- Abdomen [039] _____
- Forearm [040] _____
- [041] 1 Florid 2 Pallid
- [042] 1 Erythematous
 2 Sallow

4. PIGMENT ABERRATIONS

Items 4-6 → 043 NO FINDINGS (GO TO ITEM 7)

Type	Impression
<input type="checkbox"/> 044 <input type="checkbox"/> Melanin general-hyper	<input type="checkbox"/> 057 <input type="checkbox"/> Addison's disease
<input type="checkbox"/> 045 <input type="checkbox"/> Melanin general-hypo	<input type="checkbox"/> 058 <input type="checkbox"/> Albinism - Total
<input type="checkbox"/> 046 <input type="checkbox"/> Melanin general-cosmetically disfiguring	<input type="checkbox"/> 058 <input type="checkbox"/> Albinism - Partial
Melanin localized	
<input type="checkbox"/> 047 <input type="checkbox"/> Face	<input type="checkbox"/> 059 <input type="checkbox"/> Pellagroid pigmentation
<input type="checkbox"/> 048 <input type="checkbox"/> Body	<input type="checkbox"/> 060 <input type="checkbox"/> Vitiligo - Total
<input type="checkbox"/> 049 <input type="checkbox"/> Extremities	<input type="checkbox"/> 060 <input type="checkbox"/> Vitiligo - Partial
<input type="checkbox"/> 050 <input type="checkbox"/> Melanin localized - hyper	<input type="checkbox"/> 061 <input type="checkbox"/> Post inflammatory
<input type="checkbox"/> 051 <input type="checkbox"/> Melanin localized - hypo	<input type="checkbox"/> 062 <input type="checkbox"/> Chronically ill (hyper)
<input type="checkbox"/> 052 <input type="checkbox"/> Melanin localized cosmetically disfigur.	<input type="checkbox"/> 063 <input type="checkbox"/> Other (SPECIFY)
<input type="checkbox"/> 053 <input type="checkbox"/> Senile depigmentation	
<input type="checkbox"/> 054 <input type="checkbox"/> Icterus	
<input type="checkbox"/> 055 <input type="checkbox"/> Tatoo - artifact	
<input type="checkbox"/> 056 <input type="checkbox"/> Tatoo - traumatic	
<input type="checkbox"/> 2 <input type="checkbox"/> Tatoo - traumatic - cosmetically disfig.	

Significant Scars	Traumatic	Surgical	Both	Herbie Zoster
<input type="checkbox"/> 064 Hypertrophic	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4
<input type="checkbox"/> 065 Atrophic	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4
<input type="checkbox"/> 066 Keloids	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4

5. NEVI Pigmented and related lesions > 1 cm.

Diagnosis (Clinical impression)	Total No.	Size of Largest	Location							
			Face	Scalp and Neck	Both	Extremities	Trunk	Trunk and Extremities		
Junctional	067	068	069	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	070	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3
Hutchinsons fr.	071	072	073	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	074	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3
Mong. spot	075	076	077	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	078	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3
Blue nevus	079	080	081	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	082	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3
Nevus of Ota	083	084	085	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	086	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3
Cafe au lait	087	088	089	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	090	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3

Senile Lentigenes → 091 Many (10+)

Ephelides → 092 Many (10+)

6. Vascular

			Face	Scalp and Neck	Both	Extremities	Trunk	Trunk and Extremities		
Araneus	093	<input type="checkbox"/>	094	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	095	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3
Flammeus	096	097	098	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	099	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3
Vasculosus	100	101	102	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	103	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3
Cavernous	104	105	106	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	107	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3
Senile hemangioma	108	<input type="checkbox"/>	109	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	110	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3

VASCULAR CHANGES OTHER THAN NEVI (7 - 10)

ITEMS 7-10 → 111 NO FINDINGS (GO TO ITEM 11)

7. RAYNAUD'S PHENOMENON

Source (CHECK ONE)

112 Observed 114 Location (CHECK ONE)

2 By history 2 Feet

3 Both 3 Both

Duration

113 _____ years

8. VASCULAR CHANGES OTHER THAN NEVI

115 Purpura-senile 117 Coldness

Other purpura (CHECK ONE) 118 Cyanosis

116 Traumatic 119 Edema

2 Med. induced Edema, chronic

3 Dis. related 120 Persistent

4 Idiopathic 2 Recurrent

5 Etiology obscure 121 Cutis marmorata

9. ACTINIC DAMAGE →

		Minimal	Moderate	Severe
Overall impression	123	1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>
Fine telangiectasia	124	1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>
Senile Elastosis	125	1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>
Actinic keratoses	126	1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>

10. OTHER TELANGIECTASIA

Location

- 128 1 Face 129 1 Extremities
 2 Scalp and neck 2 Trunk
 3 Face, scalp, and neck 3 Trunk and extremities

Impression

- 130 1 Weber Osler Rondou 133 1 Idiopathic familial
 131 1 Post irradiation 134 1 Poikiloderma vasculare atrophicans
 132 1 Sclerodactyly 135 1 Other (SPECIFY)

Family history

- 136 1 Mother 2 Father 3 Both
 137 1 Paternal 2 Paternal 3 Both
 male female
 138 1 Maternal 2 Maternal 3 Both
 male female

11. MISCELLANEOUS LESIONS OF COLOR AND TEXTURE

139 1 <input type="checkbox"/> NO FINDINGS (GO TO ITEM 12)	Few ≤ 5	Many 5 +
Clavus (feet) -----	140 1 <input type="checkbox"/>	2 <input type="checkbox"/>
Seborrheic keratoses		
Face and scalp -----	141 1 <input type="checkbox"/>	2 <input type="checkbox"/>
Back and chest -----	142 1 <input type="checkbox"/>	2 <input type="checkbox"/>
Nasolabial or other body folds -----	143 1 <input type="checkbox"/>	2 <input type="checkbox"/>
Papulosa nigra -----	144 1 <input type="checkbox"/>	2 <input type="checkbox"/>
Epithelial tags -----	145 1 <input type="checkbox"/>	2 <input type="checkbox"/>
Neurofibromata -----	146 1 <input type="checkbox"/>	2 <input type="checkbox"/>
Dermatofibromata -----	147 1 <input type="checkbox"/>	2 <input type="checkbox"/>
Epidermal nevi -----	148 1 <input type="checkbox"/>	2 <input type="checkbox"/>
Warts-hands -----	149 1 <input type="checkbox"/>	2 <input type="checkbox"/>
Warts-feet -----	150 1 <input type="checkbox"/>	2 <input type="checkbox"/>
Warts-genital -----	151 1 <input type="checkbox"/>	2 <input type="checkbox"/>
Warts-other (SPECIFY) -----	152 1 <input type="checkbox"/>	2 <input type="checkbox"/>
Tophi -----	153 1 <input type="checkbox"/>	2 <input type="checkbox"/>
Xanthomata -----	154 1 <input type="checkbox"/>	2 <input type="checkbox"/>
Acanthosis nigracans -----	155 1 <input type="checkbox"/>	2 <input type="checkbox"/>
Lichen striatus -----	156 1 <input type="checkbox"/>	2 <input type="checkbox"/>

12. NEOPLASTIC CHANGE

157 1 NO FINDINGS (GO TO ITEM 13)

Malignant Type	Location						Biopsy Taken
	Face	Scalp and neck	Both	Trunk	Extrem.	Both	
Basal Cell Epith. -----	158 1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	159 1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	160 1 <input type="checkbox"/>
Superficial BCE -----	161 1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	162 1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	163 1 <input type="checkbox"/>
Squamous Cell Carcinoma -----	164 1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	165 1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	166 1 <input type="checkbox"/>
Bowen's disease -----	167 1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	168 1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	169 1 <input type="checkbox"/>
Lymphoma, leukemia -----	170 1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	171 1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	172 1 <input type="checkbox"/>
Metastatic -----	173 1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	174 1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	175 1 <input type="checkbox"/>
M. F. -----	176 1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	177 1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	178 1 <input type="checkbox"/>
Other (SPECIFY) -----	179 1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	180 1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	181 1 <input type="checkbox"/>

Benign	Size of largest (If > 9, code to 9)
Lipoma -----	182 _____ cm.
Ganglioma -----	183 _____ cm.
Sebaceous adenoma -----	184 _____ cm.
Benign neoplasm of sweat glands and ducts -----	185 _____ cm.
Other fibromata -----	186 _____ cm.

13. ECTODERMAL APPENDAGES

Ectodermal glands → 187 1 NO FINDINGS (GO TO ITEM 14)

Eccrine	Activity	Location		
		Forehead	Hands	Feet
Marked -----		188 1 <input type="checkbox"/>	189 1 <input type="checkbox"/>	190 1 <input type="checkbox"/>
Minimal -----		191 1 <input type="checkbox"/>	192 1 <input type="checkbox"/>	
Dyshydrotic -----				
193 1 <input type="checkbox"/> Anhydrotic				

Apocrine (post pubertal)

Mammary gland development

- 194 1 Absent 3 Marked
 2 Deficient

Fox Fordyce disease

- 195 1 Axillary 197 1 Genital
 196 1 Para-areolar

Sebaceous glands:

- Sebum production 198 1 Increased
 Inclusion cysts (no. 199 1 < 4 2 4
 Largest 200 _____ cm. (9 or > code to 9)
 Location of cysts: → 201 1 Chest 202 1 Face
 203 1 Back 204 1 Other (SPECIFY)

14. NAILS → 205 NO FINDINGS (GO TO ITEM 15)

Fingernails (TOTAL NUMBER) 206 _____

Abnormalities (RECORD NUMBER OF NAILS INVOLVED. IF LESS THAN TEN PRECEDE NUMBER WITH 0)

Color 207 _____ White; 208 _____ yellow; 209 _____ Green, brown or black
 Quality 210 _____ Soft; 211 _____ Brittle
 Contour 212 _____ Raised; 213 _____ Spooned
 Surface 214 _____ Ridged; 215 _____ Pitted
 Other 216 _____ Thickened; 217 _____ Clubbed
 Complete absence of nails, not traumatic 218 1
 Bands 219 _____ White, cross; 220 _____ Pigmented long

Clinical impression of abnormalities noted above:

221 1 Fungus 222 1 Trauma 223 1 Alopecia areata
 224 1 Lichen planus 225 1 Nevus 226 1 Psoriasis
 227 1 Other (SPECIFY) _____

Toenails

Abnormalities

228 1 Thickened 229 1 Discolored 230 1 Pigmented bands

Clinical impression of abnormalities noted above:

231 1 Fungus 232 1 Psoriasis 233 1 Nevus
 234 1 Trauma 235 1 Other (SPECIFY) _____

15. HAIR → 236 NO FINDINGS

Scalp: Alopecia	Min.	Mod.	Severe
Male			
Pattern <input type="checkbox"/> 237	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3
Localized			
<input type="checkbox"/> 238	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3
Diffuse			
<input type="checkbox"/> 239	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3

Impression of etiology

240 1 Areata 241 1 Infection
 242 1 Anti metabolites 243 1 Trauma
 244 1 Postclimacteric 245 1 Familial

Texture:

246 1 Fine 2 Coarse
 247 1 Dry starting 2 Easily plucked 3 Both

Eyebrows:

248 1 Sparse 2 Absent

Eyelashes:

249 1 Sparse 2 Absent

Facial Hair (post pubertal)

Males
 250 1 Sparse 2 Absent
 Females
 251 1 Excessive

252 1 Alopecia Areata 253 1 Genetically determined
 254 1 Post infection 255 1 Post trauma
 256 1 Endocrine 257 1 Other (SPECIFY) _____

Axillary

258 1 Sparse 2 Absent

Pubic

259 1 Sparse 2 Absent (not shaved)

260 1 Inappropriate escutcheon

Body Hair

Location	None	Minimal	Marked	Excessive
Anterior Thorax <input type="checkbox"/> 261	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4
Posterior Thorax <input type="checkbox"/> 262	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4
Arms <input type="checkbox"/> 263	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4
Legs <input type="checkbox"/> 264	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4
General <input type="checkbox"/> 265	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4

DISEASE ORIENTED EXAMINATION

[369] 1 [] NO DISEASE [(ITEMS 21-31) SKIP TO EVALUATION ON NEXT PAGE-]

21. ACNE VULGARIS

370 1 Inactive
 2 Active

	Min.	Mod.	Severe
<input checked="" type="checkbox"/> 371	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3

Acne cysts

372 1 Quiescent
 373 1 Pit scarring
 374 1 Cystic scarring

Extent of acne

375 1 Face
 376 1 Back

377 1 Chest

22. SECONDARY ACNE (CHECK ONE)

378 1 Steriod
 2 Halogen
 3 Anovulatory preparations
 4 Oil

ACNE ROSACEA

379 1 Minimal
 2 Moderate
 3 Severe

23. SEBORRHEIC DERMATITIS (CHECK ALL THAT APPLY)

380 1 Naso labial fold
 381 1 Eyebrows
 382 1 Scalp
 383 1 Post auricular
 384 1 Axillae
 385 1 Genitalia
 386 1 Infra mammary

Culture taken for Candida? 387 1 Yes 2 No

24. PSORIASIS

388 1 Inactive
 2 Active

	Min.	Mod.	Severe
<input checked="" type="checkbox"/> 389	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3

Location

390 1 Scalp only
 2 Extremities only
 3 Both

391 1 Trunk
 2 Seborrhheic areas only
 3 Both

Joint Involved

392 1 Fingers 2 Toes 3 Both
 393 1 Spine
 394 1 Other joint (SPECIFY)

Family History

395 1 Parent 2 Sibs 3 Parents and sibs
 396 1 Near relatives

Did joint problem precede psoriasis?
 397 1 Yes 2 No

25. ATOPIC DERMATITIS

Severity

398 1 Minimal 2 Moderate 3 Severe

Distribution

399 1 Flexural areas only
 2 Flexural areas and other (SPECIFY)
 3 Generalized

Family History

400 1 Atopy
 401 1 Urticaria and/or asthma

Personal History

402 1 Urticaria and/or asthma

26. URTICARIA (CHECK ALL THAT APPLY)

403 1 Cholinergic
 404 1 Anglo-neurotic edema
 405 1 Giant
 406 1 Cold
 407 1 Ordinary urticaria

26. (cont'd) Cause of Urticaria (CHECK ALL THAT APPLY)

408 1 Food
 409 1 Inhalant
 410 1 Medication
 411 1 Obscure or other (SPECIFY)

27. CONTACT DERMATITIS (CHECK ALL THAT APPLY)

412 1 Plant
 413 1 Rubber
 414 1 Medication
 415 1 Leather
 416 1 Chemical
 417 1 Cosmetics
 418 1 Metal
 419 1 Obscure
 420 1 Fabrics

28. FUNGAL INFECTIONS

Site	Impression		KOH			Wood's Lamp		
	Yes	No	Pos.	Neg.	N.D.	Pos.	Neg.	N.D.
Scalp	<input checked="" type="checkbox"/> 421	<input type="checkbox"/> 2	<input checked="" type="checkbox"/> 422	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input checked="" type="checkbox"/> 423	<input type="checkbox"/> 2	<input type="checkbox"/> 3
Feet	<input checked="" type="checkbox"/> 424	<input type="checkbox"/> 2	<input checked="" type="checkbox"/> 425	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input checked="" type="checkbox"/> 426	<input type="checkbox"/> 2	<input type="checkbox"/> 3
Hands	<input checked="" type="checkbox"/> 427	<input type="checkbox"/> 2	<input checked="" type="checkbox"/> 428	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input checked="" type="checkbox"/> 429	<input type="checkbox"/> 2	<input type="checkbox"/> 3
Groin	<input checked="" type="checkbox"/> 430	<input type="checkbox"/> 2	<input checked="" type="checkbox"/> 431	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input checked="" type="checkbox"/> 432	<input type="checkbox"/> 2	<input type="checkbox"/> 3
Other (SPECIFY)	<input checked="" type="checkbox"/> 433	<input type="checkbox"/> 2	<input checked="" type="checkbox"/> 434	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input checked="" type="checkbox"/> 435	<input type="checkbox"/> 2	<input type="checkbox"/> 3

Culture taken for Fungi

436 1 None taken

Feet: 437 1 Nail 3 Glabrous skin
 2 Webs 4 Combination

Hands: 438 1 Nail 3 Both
 2 Glabrous skin

439 1 Groin
 440 1 Body

29. VIRAL INFECTIONS (EXCEPT WARTS)

Viral Vesicles: Diagnostic Impression

441 1 H. Simplex 3 M. Contagiosum
 2 H. Zoster 4 Primary Varicella

Tzanck smear

442 1 Positive 2 Negative 3 Not done

30. BACTERIAL INFECTIONS

Description/Severity	Location					Cult?
	Scalp	Face	Trunk	Extrem.	Butt.	
Furuncles	<input checked="" type="checkbox"/> 443	<input checked="" type="checkbox"/> 444	<input checked="" type="checkbox"/> 445	<input checked="" type="checkbox"/> 446	<input checked="" type="checkbox"/> 447	<input checked="" type="checkbox"/> 448
Min.	<input type="checkbox"/> 1	<input type="checkbox"/> 1	<input type="checkbox"/> 1	<input type="checkbox"/> 1	<input type="checkbox"/> 1	<input type="checkbox"/> 1
Mod.	<input type="checkbox"/> 2	<input type="checkbox"/> 2	<input type="checkbox"/> 2	<input type="checkbox"/> 2	<input type="checkbox"/> 2	<input type="checkbox"/> 1
Severe	<input type="checkbox"/> 3	<input type="checkbox"/> 3	<input type="checkbox"/> 3	<input type="checkbox"/> 3	<input type="checkbox"/> 3	<input type="checkbox"/> 1
Folliculitis	<input checked="" type="checkbox"/> 449	<input checked="" type="checkbox"/> 450	<input checked="" type="checkbox"/> 451	<input checked="" type="checkbox"/> 452	<input checked="" type="checkbox"/> 453	<input checked="" type="checkbox"/> 454
Min.	<input type="checkbox"/> 1	<input type="checkbox"/> 1	<input type="checkbox"/> 1	<input type="checkbox"/> 1	<input type="checkbox"/> 1	<input type="checkbox"/> 1
Mod.	<input type="checkbox"/> 2	<input type="checkbox"/> 2	<input type="checkbox"/> 2	<input type="checkbox"/> 2	<input type="checkbox"/> 2	<input type="checkbox"/> 1
Severe	<input type="checkbox"/> 3	<input type="checkbox"/> 3	<input type="checkbox"/> 3	<input type="checkbox"/> 3	<input type="checkbox"/> 3	<input type="checkbox"/> 1
Impetigo	<input checked="" type="checkbox"/> 455	<input checked="" type="checkbox"/> 456	<input checked="" type="checkbox"/> 457	<input checked="" type="checkbox"/> 458	<input checked="" type="checkbox"/> 459	<input checked="" type="checkbox"/> 460
Min.	<input type="checkbox"/> 1	<input type="checkbox"/> 1	<input type="checkbox"/> 1	<input type="checkbox"/> 1	<input type="checkbox"/> 1	<input type="checkbox"/> 1
Mod.	<input type="checkbox"/> 2	<input type="checkbox"/> 2	<input type="checkbox"/> 2	<input type="checkbox"/> 2	<input type="checkbox"/> 2	<input type="checkbox"/> 1
Severe	<input type="checkbox"/> 3	<input type="checkbox"/> 3	<input type="checkbox"/> 3	<input type="checkbox"/> 3	<input type="checkbox"/> 3	<input type="checkbox"/> 1
TBC	<input checked="" type="checkbox"/> 461	<input checked="" type="checkbox"/> 462	<input checked="" type="checkbox"/> 463	<input checked="" type="checkbox"/> 464	<input checked="" type="checkbox"/> 465	<input checked="" type="checkbox"/> 466
Min.	<input type="checkbox"/> 1	<input type="checkbox"/> 1	<input type="checkbox"/> 1	<input type="checkbox"/> 1	<input type="checkbox"/> 1	<input type="checkbox"/> 1
Mod.	<input type="checkbox"/> 2	<input type="checkbox"/> 2	<input type="checkbox"/> 2	<input type="checkbox"/> 2	<input type="checkbox"/> 2	<input type="checkbox"/> 1
Severe	<input type="checkbox"/> 3	<input type="checkbox"/> 3	<input type="checkbox"/> 3	<input type="checkbox"/> 3	<input type="checkbox"/> 3	<input type="checkbox"/> 1
Hansen's Disease	<input checked="" type="checkbox"/> 467	<input checked="" type="checkbox"/> 468	<input checked="" type="checkbox"/> 469	<input checked="" type="checkbox"/> 470	<input checked="" type="checkbox"/> 471	<input checked="" type="checkbox"/> 472
Min.	<input type="checkbox"/> 1	<input type="checkbox"/> 1	<input type="checkbox"/> 1	<input type="checkbox"/> 1	<input type="checkbox"/> 1	<input type="checkbox"/> 1
Mod.	<input type="checkbox"/> 2	<input type="checkbox"/> 2	<input type="checkbox"/> 2	<input type="checkbox"/> 2	<input type="checkbox"/> 2	<input type="checkbox"/> 1
Severe	<input type="checkbox"/> 3	<input type="checkbox"/> 3	<input type="checkbox"/> 3	<input type="checkbox"/> 3	<input type="checkbox"/> 3	<input type="checkbox"/> 1
Swim. Pool Gran.	<input checked="" type="checkbox"/> 473	<input checked="" type="checkbox"/> 474	<input checked="" type="checkbox"/> 475	<input checked="" type="checkbox"/> 476	<input checked="" type="checkbox"/> 477	<input checked="" type="checkbox"/> 478
Min.	<input type="checkbox"/> 1	<input type="checkbox"/> 1	<input type="checkbox"/> 1	<input type="checkbox"/> 1	<input type="checkbox"/> 1	<input type="checkbox"/> 1
Mod.	<input type="checkbox"/> 2	<input type="checkbox"/> 2	<input type="checkbox"/> 2	<input type="checkbox"/> 2	<input type="checkbox"/> 2	<input type="checkbox"/> 1
Severe	<input type="checkbox"/> 3	<input type="checkbox"/> 3	<input type="checkbox"/> 3	<input type="checkbox"/> 3	<input type="checkbox"/> 3	<input type="checkbox"/> 1

31. ARTHROPOD AND PROTOZOAN INFECTIONS

479 1 Pediculosis capitis
 480 1 Swimmer's itch
 481 1 Pediculosis pubis
 482 1 Mites
 483 1 Pediculosis corporis
 484 1 Leishmaniasis
 485 1 Creeping eruption

EVALUATION OF DERMATOLOGICAL COMPLAINT

[486] 1 NO CONDITIONS (END OF EXAM)

EVALUATION	LOCATION			OTHER (SPECIFY LOCATION)
	HAND	FOOT		
32. Diagnostic Code	[487]	[488]	[489]	
Recurrent?	[490]	[491]	[492]	X
1 <input type="checkbox"/> Yes	1 <input type="checkbox"/> Yes	1 <input type="checkbox"/> Yes		
2 <input type="checkbox"/> No	2 <input type="checkbox"/> No	2 <input type="checkbox"/> No		
IF YES-Months active in past 12 months	[493]	[494]	[495]	
Years duration	[496]	[497]	[498]	TOTAL SKIN COMPLAINT
Percent limitation of activity	[499]	[500]	[501]	[502]
33. Handicap to Gainful Employment or Housework				
Total	[503]	[504]	[505]	[506]
Part-severe	2 <input type="checkbox"/>	2 <input type="checkbox"/>	2 <input type="checkbox"/>	2 <input type="checkbox"/>
Part-minimal	3 <input type="checkbox"/>	3 <input type="checkbox"/>	3 <input type="checkbox"/>	3 <input type="checkbox"/>
None	4 <input type="checkbox"/>	4 <input type="checkbox"/>	4 <input type="checkbox"/>	4 <input type="checkbox"/>
Precludes preferred occupation	[507]	[508]	[509]	[510]
1 <input type="checkbox"/> Yes	1 <input type="checkbox"/> Yes	1 <input type="checkbox"/> Yes	1 <input type="checkbox"/> Yes	1 <input type="checkbox"/> Yes
34. Handicap to Social Relations				
Severe	[511]	[512]	[513]	[514]
Minimal	2 <input type="checkbox"/>	2 <input type="checkbox"/>	2 <input type="checkbox"/>	2 <input type="checkbox"/>
None	3 <input type="checkbox"/>	3 <input type="checkbox"/>	3 <input type="checkbox"/>	3 <input type="checkbox"/>
35. Care Sought (CHECK ALL THAT APPLY)				
Non professional	[515]	[516]	[517]	
1 <input type="checkbox"/>	1 <input type="checkbox"/>	1 <input type="checkbox"/>	1 <input type="checkbox"/>	
Pharmacy	[518]	[519]	[520]	
1 <input type="checkbox"/>	1 <input type="checkbox"/>	1 <input type="checkbox"/>	1 <input type="checkbox"/>	
M.D.	[521]	[522]	[523]	
1 <input type="checkbox"/>	1 <input type="checkbox"/>	1 <input type="checkbox"/>	1 <input type="checkbox"/>	
Podiatrist	[524]	[525]	[526]	
1 <input type="checkbox"/>	1 <input type="checkbox"/>	1 <input type="checkbox"/>	1 <input type="checkbox"/>	
Osteopath	[527]	[528]	[529]	
1 <input type="checkbox"/>	1 <input type="checkbox"/>	1 <input type="checkbox"/>	1 <input type="checkbox"/>	
Dermatologist	[530]	[531]	[532]	
1 <input type="checkbox"/>	1 <input type="checkbox"/>	1 <input type="checkbox"/>	1 <input type="checkbox"/>	
36. Presently Under Current Best Care	Yes No	Yes No	Yes No	
[533]	[534]	[535]		
1 <input type="checkbox"/> 2 <input type="checkbox"/>	1 <input type="checkbox"/> 2 <input type="checkbox"/>	1 <input type="checkbox"/> 2 <input type="checkbox"/>		
IF NO: With expert care	[536]	[537]	[538]	
a. Would condition be improved?	1 <input type="checkbox"/> 2 <input type="checkbox"/>	1 <input type="checkbox"/> 2 <input type="checkbox"/>	1 <input type="checkbox"/> 2 <input type="checkbox"/>	
b. Would condition permit Full Gain-Emp. or HW	[539]	[540]	[541]	
1 <input type="checkbox"/>	1 <input type="checkbox"/>	1 <input type="checkbox"/>		
Part. Emp. or HW	2 <input type="checkbox"/>	2 <input type="checkbox"/>	2 <input type="checkbox"/>	
No change	3 <input type="checkbox"/>	3 <input type="checkbox"/>	3 <input type="checkbox"/>	

EVALUATION	SEVERITY			
	NONE	MIN.	MOD.	SEVERE
37. Disfigurement (examiner eval.)				
Hand	[542]	1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/>		
Foot	[543]	1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/>		
Other	[544]	1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/>		
38. Discomfort (Patient evaluation)				
a. Pain or Burning-				
Hand	[545]	1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/>		
Foot	[546]	1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/>		
Other	[547]	1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/>		
b. Itching				
Hand	[548]	1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/>		
Foot	[549]	1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/>		
Other	[550]	1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/>		
c. Limitation of Motion-				
Hand	[551]	1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/>		
Foot	[552]	1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/>		
Other	[553]	1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/>		
d. Overall Discomfort				
Hand	[554]	1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/>		
Foot	[555]	1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/>		
Other	[556]	1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/>		
39. OBSTACLE TO IMPROVEMENT OF CONDITION (CHECK ALL THAT APPLY)				
[557] 1 <input type="checkbox"/> No medical advice sought				
2 <input type="checkbox"/> Inadequate medical advice				
[558] 1 <input type="checkbox"/> Patient cooperation				
[559] 1 <input type="checkbox"/> Distance from medical help				
[560] 1 <input type="checkbox"/> Availability of transportation				
[561] 1 <input type="checkbox"/> Finances				
[562] 1 <input type="checkbox"/> Other				

APPENDIX III

SKIN PATHOLOGY CLASSIFICATION AND GLOSSARY OF SELECTED TERMS

Classification

Inclusions in the groupings of conditions from the *Code of Skin Diseases* of the Department of Dermatology, New York University School of Medicine (February 1968 edition)⁸ as used in this report are as follows:

<i>NYU Codes</i>	<i>Condition</i>		
020-029	Syphilis—Congenital, Early, Late, Latent, and Unqualified	13100-	mycosis, Paronychia, Tinea Cruris, Tinea Corporis, Favus, Trichophytids, Tinea Versicolor, Tinea Nigra Palmaria, etc. (excluding Monilial)
030-039	Other Venereal Diseases	1312-	Dermatophytoses of Foot, Athlete's Foot, Tinea Pedis (excluding Nails)
050-059	Bacterial Diseases—Scarlet Fever, Erysipelas, Diphtheria, Meningococcal Infection, Plague, Tularemia	13131-	Dermatophytoses of Nails, Tinea Unguium, Onychia due to Dermatophytes, Onychomycosis, Paronychia (excluding Bacterial and Monilial)
070-074	Spirochetal Diseases (excluding Syphilis)	131910	Dermatophytoses—Crural, Tinea Cruris (excluding Monilial and Erythrasma)
080-096	Diseases due to Viruses—Smallpox, Rubeola, Rubella, Chicken Pox, Varicella, Herpes Zoster, Trachoma, Herpes Simplex, Foot and Mouth Disease, etc.	132-134	Tinea Versicolor, Pityriasis Versicolor
096	Herpes Simplex, Foot and Mouth Disease, etc.	135-137	Deep Fungus Infections—Actinomycosis, Coccidioidomycosis, Blastomycosis, Paracoccidiomycosis, Histoplasmosis, Cryptococcosis, Nocardiosis, Moniliasis, (Candidiasis), etc.
100-108	Rickettsial Diseases — Typhus, Rocky Mountain Spotted Fever, Q Fever, etc.	138	Zoonoses — including Scabies, Mites, Pediculosis, Chiggers, Tick Bites, etc.
120-130	Leishmaniasis and other Parasitic Diseases—including Trypanosomiasis, Toxoplasmosis, Trichinosis, Pin Worm, etc.	19X	Sarcoidosis and other Infective and Parasitic Diseases
131	Dermatophytoses—including Athlete's Foot, Tinea Pedis, Tinea Manuum, Tinea Capitis, Tinea Barbae, Tinea Unguium, Onychomycosis, Paronychia, Tinea Cruris, Tinea Corporis, Favus, Trichophytids, Tinea Versicolor, Tinea Nigra Palmaria, etc. (excluding Monilial)	19X0	Malignant Tumors
		19X1	Malignant Tumors—Bowen's Disease, Erythroplasia, Paget's Disease (Breast and Extra-Mammary)
		19X14X	Malignant Tumors—Fibroepithelial Tumor, Basal-Cell Epithelioma
			Malignant Tumors—Basal-Cell Epithelioma, Nodulo-Ulcerative or Solid

NOTE: A list of references follows the text.

19X18X	Malignant Tumors—Basal-Cell Epithelioma, NOS	250-254	Diseases of Thyroid Gland—Thyrototoxicosis, Myxedema, Cretinism
19X2	Malignant Tumors — Baso-Squamous Epithelioma, Baso-Squamous Carcinoma, Intermediary Metatypical Epithelioma or Carcinoma, Mixed Metatypical Epithelioma or Carcinoma, Prickle-Cell Epithelioma and Basal-Cell Epithelioma, and Intraepidermal Epithelioma	260 270-277	Diabetes Mellitus Other Endocrine Disorders—Pancreatic Disorders, Acromegaly, Gigantism, Hyperthyroidism, Dwarfism, Addison's Disease, Cushing's Syndrome, etc.
19X6	Malignant Tumors—Malignant Melanoma, Lentigomaligna	280-286	Avitaminosis and Nutritional Deficiency States—including Beriberi, Pellagra, Scurvy, Rickets, Alopecia, Vitamin Deficiencies, etc.
19X8	Malignant Tumors—Squamous-Cell Carcinoma	288-289	Lipoidoses and Other Metabolic Diseases—including Gout, Xanthelasma, etc.
19X9	Malignant Tumors—Adenocanthoma, Adenocarcinoma, Cutaneous Metastasis, Fibrosarcoma, Neurosarcoma, etc.	290-293	Anemias—including Pernicious, Iron-Deficiency, Sickle-Cell, etc.
19XX	Malignant Tumors—on Skin NOS or NEC	294-299	Other Blood Dyscrasias—including Polycythemia, Hemophilia, Purpura, etc.
20X	Lymphomas and Leukemias	320-324	Psychophysiological, Mental Psycho-Neurotic, and Personality Disorders
22X	Benign Tumors—including Nevus, Hemangioma, Cafe au Lait Spot, etc. (excludes 22X44X—Seborrheic Keratosis)	360-369	Diseases of Nerve—including Bell's Palsy, Erythredema Polyneuropathica, Meralgia Paresthetica
22X44X	Seborrheic Keratosis, NOS or NEC	370-389	Diseases of Eye—including Conjunctivitis (nonallergic), Blepharitis, Sty(e), Chalazion, Ectropion, Entropion, Ptosis, etc.
22X959	Benign Tumors—Lipoma	390-398	Disease of Ear—including Otitis Externa, Chondrodermatitis Nodularis Chronica Helicis
23X	Precancers—including Actinic Keratosis, Burn (X-ray), Senile Keratosis, etc.	400-402	Rheumatic Fever—with or without Heart Involvement
23X081	Actinic Keratosis	450-456	Diseases of Arteries and Connective Tissue—including Gangrene, Arterial Embolism, Arterial Thrombosis, Lupus Erythematosus, Vasculitis, etc.
23Y	Tumor—Malignancy not stated	460-466	Diseases of Veins—including Stasis Ulcer or Dermatitis, Varicose Veins, Hemorrhoids, Phlebitis, etc.
242-243	Urticaria—including Angioneurotic Edema, Nettle Rash, Lichen Urticatus, Telangiectasia Macularis Eruptiva Perstans, Mastocytosis, Hives	467-468	Other Diseases of Circulatory System—including Osler-Weber's Disease, Telangiectasis (hereditary or NEC), Lymphedema, etc.
244	Allergic Eczema or Dermatitis due to external agent—Eczema, Allergic Eczema, Drug Eruption, "Auto-immune Syndrome," Dermatitis Medicamentosa		
245	Other Allergic Disorders—Allergic Conjunctivitis, Allergic Disorders of Skin		

NOTE: NOS = not otherwise specified; NEC = not elsewhere classifiable.

530-587	Diseases of the Digestive System— Buccal Cavity, Salivary Glands, Lips, Anus, Pancreas	710130	Ichthyosis
600-637	Diseases of the Breast and Genito- Urinary System	710150	Keratosis Pilaris
690-698	Infections of the Skin and Subcu- taneous Tissue—including Boils, Carbuncles, Cellulitis, Impetigo, Infectious Warts, and other local infections	712	Diseases of Nails—including In- growing Nail, Hangnails, Discolor- ations, etc.
696030	Infectious Warts—Verruca Vulgaris (includes Periungual)	713	Diseases of Hair and Hair Follicles— including Alopecia, Folliculitis, Dull Hair, etc.
700	Seborrheic Dermatitis	713908	Folliculitis
700010	Seborrheic Dermatitis, NOS or NEC	714	Diseases of Sweat Glands and Sebaceous Glands
701	Eczema	7141-7149	Diseases involving Sebaceous Glands
701000	Hand Eczema or Dermatitis	714150	Acne Vulgaris
701010	Nummular Eczema	714180	Acne, Cystic
701030	Dyshidrotic Eczema	714190	Acne, Scars or NOS or NEC
703	Other Dermatitis — including Contact Dermatitis due to Plants, Oils and Grease, Solvents, Drugs, other Chemicals, Radiation, Cos- metic, other Agents (such as Dyes, Furs, Clothes, Dress, Wool, Clothing Finishes, Shoes, Leather, Rubber), DDT, Pyrethrum, Paint, Varnish, Cement, Photographic Agents, Wood, etc.	714930	Xerosis
704	Pemphigus, Erythema Perstans Group, Dermatitis Herpetiformis	715	Chronic Ulcers of Skin
705	Erythemas—including Toxic Ery- thema, Erythema Simplex, Acne Rosacea, Rhinophyma, etc.	716	Diseases of Skin, NEC—including Acne Scarring, Chickenpox Scar- ring, Smallpox Scarring, Cicatrix, Tattoo, Freckle, etc.
706	Psoriasis including Parapsoriasis and other and unspecified types of Pityriasis	716210	Vitiligo, Albinism, Piebaldism
706090	Psoriasis (all types, NOS or NEC)	740-744	Diseases of Bones and Organs of Movement—including Bunion, Tenosynovitis, Dupuytren's Con- tracture
707	Lichen Planus and some other Lichenoid Dermatoses	751-759	Congenital Malformation
708	Pruritus and related conditions	766-780	Certain Diseases of Early Infancy— including Ritter's Disease, Sclero- derma Neonatorum, Impetigo Neonatorum, etc.
708300	Infantile Atopic Dermatitis	781-795	Symptoms, Senility and Ill-Defined Conditions
708310	Neurodermatitis Disseminata and Atopic Dermatitis, NOS or NEC	850-999	Injuries and Adverse Effects of Chemical and Other External Causes
708320	Lichen Simplex Chronicus, Cir- cumscripted Neurodermatitis		
709	Corns and Callosities		
710	Other Hypertrophic and Atrophic Conditions of the Skin—including Scleroderma, Elastosis Senilis, etc.		

Glossary

For those who are not familiar with the dermatological terminology in the tables and examination form a glossary is included to identify and explain certain clinical observations. For further clarification and discussion, the reader is referred to a standard text of dermatology; three are cited:

Moschella, S. L., Pillsbury, D. M., and Hurley, H. J., Jr.: *Dermatology*, Vol. 2. Philadelphia. W. B. Saunders, Nov. 1975.

Fitzpatrick, T. B., et al.: *Dermatology in General Medicine*. New York. McGraw-Hill, 1971.

Rook, A., Wilkinson, D. S., and Ebling, F. J. G.: *Textbook of Dermatology*, 2d ed. Oxford and Edinburgh. Blackwell Scientific Publications, 1968.

Acanthosis nigricans.—A warty velvety change in the skin of the axillae, groin, and about the neck that can be associated with obesity, endocrine disturbances, and in adults with visceral malignancy.

Actinic keratosis.—Adherent yellow to brown scale on a red-tinged base associated with solar damage, a premalignancy of the epidermis.

Addison's disease.—Primary adrenal cortical insufficiency. It can have secondary hyperpigmentation in the skin from an outpouring of pituitary hormones responding to the adrenal cortical failure.

Albinism.—The result of an inherited failure of the melanocyte to produce normal amounts of pigment in the skin, or eye, or both. Partial albinism (piebaldism), an autosomal dominant trait, involves only the skin and hair. All forms of albinism are present from birth.

Apocrine glands.—Developmentally associated with hair and sebaceous glands, they atrophy during fetal life but persist in the axillae and genital area to secrete at puberty an oily, colorless, odorless substance that undergoes bacterial decomposition to produce body odor.

Atopic dermatitis.—An inflammatory condition of the skin characterized by itching, redness, and occasionally vesiculation and weeping, that is found in individuals with the inherited diathesis called atopy. The patient may present one or several manifestations of the atopic state such as hay fever, allergic rhinitis, asthma, and urticaria or hives.

Basal-cell epithelioma.—An epithelial carcinoma arising in the basal cells of the surface epidermis. It may be further characterized as superficial erythematous or nodular, and may be pigmented or not.

Bowen's disease.—A precancerous dermatosis presenting as a defined brownish-red plaque without elevated border single or multiple, which may have an historical association with arsenic ingestion.

Callus.—Hyperkeratosis of the epidermis adjacent to thinner skin and the apparent response to constant rubbing or pressure. A corn is similar but has a sharply demarcated translucent core. Neither lesion is vascularized.

Candida.—A yeast genus of which the species *Albicans* is the most common pathogen for man. It infects the mucous membranes of mouth and vagina most commonly but also body folds and can be widespread in the immune deficient patient.

Dermatofibromata.—Firm circumscribed papules of a half centimeter or so, in the skin, usually on legs and often hyperpigmented. They may represent a cellular reaction to injury.

Dermatophytosis.—Infection of the skin with fungus.

Eccrine glands.—Sweat glands that produce and transport to the skin surface a hypotonic, clear, odor-free solution (eccrine sweat) in response to heat or psychological factors.

Eczema.—See eczematous dermatitis.

Eczematous dermatitis.—Not a condition but an inflammatory response of the skin to a number of stimuli from within and without. Poison ivy can produce a characteristic weeping dermatitis that is eczematous, so too can sunlight in certain sensitive individuals. Ingested drugs, as well as the patient's own host response to a superficial infection as with fungus, can evoke a similar eruption. Because atopic dermatitis in children is often eczematous, it has been commonly called "eczema" with consequent confusion of the reaction pattern with the disease. "Atopic dermatitis" is the term to be preferred and should designate the active atopic condition whether in adults or children.

Ephelides.—Freckles, those circumscribed tan-brown macules scattered over light-exposed skin.

Epithelial tags.—Hyperplasia of the skin resulting in soft polypoid lesions less than a centimeter in diameter that are skin colored and multiple around neck, upper chest, and inner surface of the arms.

Herpes simplex.—A virus that induces an infection characterized by small vesicles on a red base (fever blisters or "cold sores") and recurrence. It can occur on head or neck, in the genital area, over the buttocks, and more rarely on the extremities.

Ichthyosis.—Accumulation of polygonal scale that gives a fishlike appearance to the skin. It may be congenital or acquired and in its sudden appearance can be associated with occult malignancy.

Lichen planus.—A papulosquamous eruption of violaceous polygonal lesions and characteristic histology that is often pruritic, can last 1 to 2 years, and is of obscure etiology.

Lichen striatus.—A self-limiting linear dermatitis of unknown etiology that appears inflammatory and occurs more often in children.

Moniliasis.—Infection with *Candida*.

Mycosis fungoides.—A chronic fatal disease, a T-cell lymphoma of the reticuloendothelial system, initially involving the skin, with a name descriptive of the large fungating lesions that can occur and should not imply fungal infection. The disease can be limited to the skin, but may also involve lymph nodes and viscera.

Neurofibromata.—An overgrowth of Schwann cells and endoneuria that results in a smooth soft to firm skin-colored papule that can be invaginated. In size they can range from a few millimeters to several centimeters in diameter. These lesions are found in large numbers in neurofibromatosis (Von Recklinghausen's disease).

Nevus.—The Latin for birthmark, is used most commonly for the clinical evidence of aggregates of normal melanocytes or pigment cells in the skin. In color they range from tan, brown to black, in size from millimeters to an entire trunk (giant hairy nevus). By histological level of melanocytes, they are divided into (1) a junctional nevus that histologically has all the melanocytes above the basement membrane, (2) a dermal nevus with all melanocytes in the dermis, and (3) a compound nevus with melanocytes in the dermis and epidermis.

Onychomycosis.—A fungous infection of the nails.

Papulosa nigra.—The hyperpigmented seborrheic keratoses of the more pigmented races occurring usually on the face.

Pityriasis versicolor.—See *tinea versicolor*.

Psoriasis.—An inherited disease of the skin characterized by circumscribed red scaling patches with silvery scale that may be few in number or may extend to involve the skin totally. It can be associated with arthritis.

Seborrheic dermatitis.—A persistent erythematous, scaling dermatitis, more greasy than dry, that involves the scalp, eyebrows, anterior chest, and the areas about the nose and behind the ears. It can be extremely banal as in mild dandruff or proceed to generalized redness and scaling.

Seborrheic keratoses.—Raised, greasy, warty lesions that appear tacked on, vary in pigment content from pale yellow to black, and in size from a millimeter to centimeters in diameter. They are found mostly on the trunk or face but may appear on the extremities.

Senile keratosis.—See actinic keratosis.

Squamous-cell carcinoma.—A tumor of the epidermis which in its invasive form has all the characteristics of malignancy including the ability to metastasize, but which usually has a more benign course when arising on sun-exposed skin.

Sweat glands.—May be eccrine or apocrine (see both).

Telangiectasia.—Dilated superficial vessels that appear as coarse or fine vascular threads on the skin. They can be a response to solar damage and are characteristic of the lesions of certain dermatological diagnoses.

Tinea.—A superficial infection with fungus. The term is usually further modified by anatomical site: *T. capitis*, of the scalp; *T. corporis*, of the body; *T. pedis*, of the foot; *T. manuum*, of the hand; *T. unguium*, of the nail; *T. cruris*, of the groin.

Tinea nigra palmaria.—A superficial fungous infection of the palms leaving residual pigmented macules seen largely in tropical climates.

Tinea versicolor.—A superficial fungous infection of the skin with *Malassezia furfur*.

Tophi.—Subcutaneous, firm to hard nodules of a salmon-pink color that occur most commonly on the helix of the ear, over the bursae of the elbow, and about the digits of the hands and feet. They consist of urate deposits from elevated uric acid levels of the blood and are seen in gout.

Trichophytids.—A generalized or localized skin reaction in individuals allergic to the fungus, *Trichophyton*.

Tumors.—Cellular aggregates that are clinically apparent in the skin.

Urticaria.—Hives or wheals.

Verruca.—Warts are epidermal responses to the human papilloma virus that appear on the skin as circumscribed elevated, rough-surfaced papules (*verruca vulgaris* or common warts); as threadlike polypoid growths (*verruca filiformis*, the filiform or digitate wart); as a smooth flat or slightly elevated skin-colored or gray-yellow papule (*verruca plana*, the plane wart); on the sole of the foot as a horny papule, (*verruca plantaris* or plantar wart); in the genital area as the venereally transmitted pink, elongated, occasionally filiform or pedunculated warts (*condylomata acuminata* or acuminate warts).

Vitiligo.—A spontaneous loss of pigment with disappearance of the melanin-producing cells of the hair bulbs, skin, and mucous membranes but not other parts of the melanocyte system such as those in the eyes and brain. It is probably an inherited defect and is more commonly found in those with diseases associated with autoimmune mechanisms, pernicious anemia, hyperthyroidism, Addison's disease, and idiopathic hypoparathyroidism.

Xanthomata.—Erythematous papules with a yellow cast that appear singly or diffusely and are associated with abnormal concentrations or composition of plasma lipids.

Xerosis.—Dry skin.



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