

Epidemiology of psoriatic arthritis in the population of the United States

Joel M. Gelfand, MD, MSCE,^a Dafna D. Gladman, MD,^b Philip J. Mease, MD,^c Nana Smith, BA,^a David J. Margolis, MD, PhD,^a Tamar Nijsten, MD, PhD,^d Robert S. Stern, MD,^e Steven R. Feldman, MD, PhD,^f and Tara Rolstad, MBA^g

Philadelphia, Pennsylvania; Toronto, Ontario, Canada; Seattle, Washington; Edegem, Belgium; Boston, Massachusetts; Wake Forest, North Carolina; and Portland, Oregon

Background: Estimates of the prevalence of psoriatic arthritis vary widely and are usually not determined by population-based studies.

Objectives: We sought to determine the prevalence of psoriatic arthritis and the impact of the disease on quality of life in the US population.

Methods: Patients were selected randomly from the US population and were interviewed by telephone. Cases were defined as patients who reported a physician diagnosis of psoriasis and psoriatic arthritis.

Results: Interviews of 27,220 persons were conducted; 601 of the interviewees had psoriasis and 71 had psoriasis and psoriatic arthritis. The prevalence of psoriatic arthritis was 0.25% (95% confidence interval [CI]: 0.18%, 0.31%). The prevalence of psoriatic arthritis among patients with psoriasis was 11% (95% CI: 9%, 14%) and varied substantially based on self-reporting of the extent of skin involvement with psoriasis. Thirty-nine percent of patients with psoriatic arthritis indicated that it was a large problem in everyday life.

Limitations: Psoriatic arthritis was classified on the basis of the patient's self-report.

Conclusion: Psoriatic arthritis affects an estimated 520,000 patients in the US population, and many rate it as a large problem in everyday life. The prevalence varies widely based on the extent of skin involvement, which demonstrates the importance of performing broadly representative studies to measure the prevalence of psoriatic arthritis. (J Am Acad Dermatol 2005;53:573-7.)

Psoriasis is associated with an inflammatory (psoriatic) arthritis that can be disabling and develops into a deforming erosive arthropathy in some patients.¹ Diagnostic criteria necessary to establish a case definition of psoriatic arthritis vary,

but all require evidence of skin disease and an inflammatory arthritis.²

The estimate of the prevalence of psoriatic arthritis among patients with psoriasis has varied from 6% to 39%.³⁻⁵ These studies have varied significantly in

From the Department of Dermatology and the Center for Clinical Epidemiology and Biostatistics, University of Pennsylvania^a; the University of Toronto, Toronto Western Research Institute, Psoriatic Arthritis Program, University Health Network, Centre for Prognosis Studies in the Rheumatic Diseases, Toronto Western Hospital^b; Seattle Rheumatology Associates, Rheumatology Clinical Research, Swedish Hospital Medical Center; University of Washington School of Medicine^c; University Hospital Antwerp, Edegem, Belgium^d; Beth Israel Deaconess Medical Center, Harvard Medical School, Boston^e; Departments of Dermatology, Pathology, and Public Health Sciences, Wake Forest University School of Medicine^f; and the National Psoriasis Foundation, Portland.^g

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Correspondence to: Joel M. Gelfand MD, MSCE, Medical Director, Clinical Studies Unit, Assistant Professor, Department of Dermatology, Associate Scholar, Center for Clinical Epidemiology and Biostatistics, University of Pennsylvania, 3600 Spruce St, 2 Maloney Building, Philadelphia, PA 19104. E-mail: Joel.gelfand@uphs.upenn.edu.

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Table I. Prevalence of psoriatic arthritis in patients with psoriasis

Variable	Stratification	Psoriasis, No. (%)	Psoriasis and psoriatic arthritis, No. (%)	Prevalence of psoriatic arthritis in patients with psoriasis (95% CI)
Degree of skin psoriasis	All psoriasis patients	530	71	11% (9%, 14%)
	No or little psoriasis	313 (63)	20 (32)	6% (4%, 10%)
	1-2 palms of psoriasis	133 (25)	20 (34)	14% (9%, 21%)
	3-10 palms of psoriasis	59 (11)	14 (19)	18% (10%, 28%)
	10+ palms of psoriasis	10 (1)	11 (14)	56% (34%, 76%) $P < .01$
	Unknown	15	6	NA
Age (y)	<35	115 (26)	9 (13)	6% (3,12)
	35-44	117 (25)	11 (16)	7% (4,13)
	45-54	116 (19)	16 (24)	13% (8, 23)
	55-64	84 (14)	11 (15)	12% (7,20)
	65+	96 (16)	24 (33)	20% (14, 29) $P < .01$
	Unknown	2	0	NA
	Gender	Male	216 (40)	28 (42)
Female		314 (60)	43 (58)	10% (8, 14) $P = .79$

Note that percentages are adjusted for the sampling procedure and therefore do not exactly equal the raw numbers that are presented. Patients with unknown responses were not included in the analysis for which the response was missing.

terms of the case definition (eg, patient self-report vs medical record confirmation) and population studied (eg, population-based vs members of advocacy organizations vs clinic-based studies). Only one published study has estimated the prevalence of psoriatic arthritis in the United States using population-based methods. However, this study was limited to residents of one county in Minnesota.³

The purpose of this study was to estimate the prevalence of psoriatic arthritis across the US population, the impact of extent of skin psoriasis on the prevalence of psoriatic arthritis, and the impact of psoriatic arthritis on quality of life.

METHODS

Survey development, administration, and sampling techniques

Details of the survey development and methodology have been previously published.⁶ Briefly, a questionnaire to survey the epidemiologic characteristics of psoriasis and psoriatic arthritis in the continental US population was generated by a committee of dermatologists and rheumatologists in collaboration with the National Psoriasis Foundation. The questionnaire may be found online as an appendix to this article at www.eblue.org. Subjects, 18 years of age or older, with a residential phone number from the contiguous 48 United States were selected via random digital dialing techniques and were interviewed during November and December 2001. Patients were classified as having psoriatic

arthritis if they reported having been diagnosed by a physician in the past as having both psoriasis and psoriatic arthritis. This definition is consistent with several proposed diagnostic criteria for psoriatic arthritis and has been used previously in epidemiologic studies.² Those individuals with psoriatic arthritis were also asked global questions to determine the degree to which psoriatic arthritis is a problem in their everyday life and the degree to which they were satisfied with treatment based on a 10-point scale. Patients with psoriasis were also asked to report their current extent of psoriasis based on a 4-point categorical question. Previous investigators have demonstrated that patients can reliably report body surface area affected by psoriasis.⁷ Patients identified from the general population with psoriasis and psoriatic arthritis who completed the initial phone survey were then asked to complete a more detailed phone survey within approximately 1 month.

This study was approved by the Western Institutional Review Board and by the University of Pennsylvania Institutional Review Board.

Data analysis

The prevalence of psoriatic arthritis was determined by dividing the number of patients who met our case definition of psoriatic arthritis by the number of people in the study, with adjustment for the sampling weight. Weights were determined for age, gender, income, and region based on data from the 2000 US census. Descriptive analyses were

performed to determine the demographic characteristics of the study population. Dichotomous variables were tested simultaneously using the χ^2 test with adjustment for the sampling procedure. Ordinal variables were tested with the rank sum test or the Spearman correlation coefficient. Missing data were dropped from the analysis. Data were analyzed using STATA 8.0 (College Station, Tex).

RESULTS

Approximately 37% of persons who could be reached via a residential phone number agreed to be interviewed regarding a variety of unrelated topics; of these persons, approximately 77% completed the survey up to the point that psoriasis was addressed. The total sample analyzed included 27,220 persons who completed the psoriasis questions, of whom 601 had psoriasis and 71 had psoriasis and psoriatic arthritis. The prevalence of psoriatic arthritis based on our definition in the US population was 0.25% (95% confidence interval [CI]: 0.18%, 0.31%). The prevalence of psoriatic arthritis among patients with psoriasis was 11% (95% CI: 9%, 14%) (Table I).

The prevalence of psoriatic arthritis among patients with psoriasis increased significantly on the basis of the body surface area involved with psoriasis (Table I). Psoriasis patients with psoriatic arthritis tended to be older than psoriasis patients without psoriatic arthritis, though there was no significant difference in gender.

Psoriatic arthritis was a large problem for 39% of patients with the disease based on response to a global question and 28% of respondents were dissatisfied with their treatment (Table II). Female patients ($n = 43$) tended to report greater impairment of quality of life from psoriatic arthritis compared with male patients ($n = 27$) based on response to a single global question (median 7 vs 5, respectively, on a 10-point scale; $P = .0174$, rank sum test). Age was not associated with alterations in quality of life from psoriatic arthritis ($n = 70$; Spearman correlation coefficient 0.0027, $P = .98$), and extent of skin involvement with psoriasis was weakly associated with impairment in quality of life due to psoriatic arthritis and was not statistically significant ($n = 64$; Spearman correlation coefficient 0.22, $P = .07$). Patients with psoriatic arthritis who could be reached for follow up interview ($n = 36$) tended to be younger, whereas the gender characteristics were similar between responders and nonresponders (data not shown). On average psoriasis preceded psoriatic arthritis by 8.5 years (median, interquartile range 0, 21.5), and psoriatic arthritis preceded psoriasis in 4 of the 36 patients (11%).

Table II. Impact of psoriatic arthritis on quality of life

Quality of life question	Response options	No. (%)
Degree to which psoriatic arthritis is a problem in every day life	1-3 (no or little problem)	16 (23)
	4-7 (a problem)	26 (38)
	8-10 (a large problem)	28 (39)
	Unknown	1
Satisfaction with psoriatic arthritis treatment	1-3 (dissatisfied)	17 (27)
	4-7 (somewhat satisfied)	22 (31)
	8-10 (satisfied)	28 (42)
	Unknown	4

Percentages for questions regarding degree to which psoriasis is a problem in everyday life and satisfaction with treatment were adjusted based on the sampling procedure and therefore do not exactly correspond to the raw numbers.

DISCUSSION

The prevalence of psoriatic arthritis in the US population is 0.25% and is 11% in patients with psoriasis. Based on 2000 US census figures, we estimate that approximately 520,000 persons 18 years of age or older in the United States have psoriatic arthritis. A particular strength of this study was that it was broadly representative of the US population, and therefore the results likely can be generalized to the broader population beyond those patients included in our study. Our estimates of the prevalence of psoriatic arthritis in the US population and among patients with psoriasis is slightly higher than previous estimates of population-based studies performed in Olmsted County, Minnesota (0.1% and 6.25%, respectively), in which cases were identified through review of the medical record.³

Consistent with previous studies, our results demonstrate that the prevalence of psoriatic arthritis varies substantially based on the extent of skin involved with psoriasis.^{8,9} This finding demonstrates the importance of performing population-based studies that are broadly representative of patients with psoriasis in order to measure the prevalence of psoriatic arthritis. Studies of patients from psoriasis referral centers or patient advocacy organizations are skewed toward patients with more extensive skin disease and therefore likely overestimate the prevalence of psoriatic arthritis in the broader community.¹⁰ For example, a recent study using a

questionnaire similar to the one used in our study found that 30% of members of European patient advocacy organizations who responded to a survey had psoriatic arthritis.¹¹ However, 59% of the patients in the patient advocacy organizations had 3 or more palms of psoriasis (compared with only about 16% of patients in our population-based study). Additionally, physicians should maintain a high index of suspicion for the development of psoriatic arthritis in patients with psoriasis, particularly when there is extensive skin involvement. It is also important to note that the severity of psoriatic arthritis (eg, number of joints involved, joint damage) does not reliably correlate with extent of skin involvement¹² and the onset of psoriatic arthritis typically occurs years after the onset of psoriasis. Therefore physicians should warn psoriasis patients who do not yet have arthritic symptoms to seek care should arthritic symptoms develop.

An additional important finding is that psoriatic arthritis can have a significant negative impact on patients' quality of life, a finding similar to those in previously published studies.¹³⁻¹⁶ For example, 39% of patients with psoriatic arthritis rated it as being a large problem in everyday life. By comparison, only 12% of patients with psoriasis from our study rated the skin disease as a large problem.^{17,18} These results demonstrate the significant impact psoriatic arthritis has on daily functioning for patients in the US population, further emphasizing the need for accurate diagnosis and treatment of this condition.

As with all studies, there are limitations to consider. First, this study relied on patient self-reporting of a physician's diagnosis of psoriatic arthritis as opposed to confirming the diagnosis via review of the medical record. However, studies have indicated that patients' self-report of chronic medical conditions is reasonably accurate, and our findings are similar to population-based studies that used medical records to confirm the case definition of psoriatic arthritis.¹⁹ Our results may overestimate the prevalence of psoriatic arthritis because of misclassification with other common arthropathies, such as osteoarthritis. Additionally, patients who are able to be reached via telephone and are willing to participate in such studies may be more likely to suffer from comorbidities.²⁰ Therefore our study may overestimate the true prevalence of psoriatic arthritis in the general population, given that responders may be more likely to have psoriatic arthritis or other chronic diseases. Alternatively, our analysis may have missed patients with psoriatic arthritis that did not come to medical attention or patients who may have received a misdiagnosis with another form of arthritis, when they actually have psoriatic arthritis.

Furthermore, based on our case definition, our estimate of the prevalence of psoriatic arthritis does not include patients who at the time of the phone interview may have had psoriatic arthritis but had not yet developed cutaneous disease. Moreover, it is possible that some of the differences found in the prevalence of psoriatic arthritis based on the degree of skin involvement may be due to a more thorough investigation of psoriatic arthritis in those persons with more extensive skin disease. Finally, we did not use comprehensive measures of quality of life and disability in this study. Additional studies are therefore necessary to better determine the impact psoriatic arthritis has on quality of life in the US population.

Psoriatic arthritis is a substantial health burden given the large numbers of persons affected, and the substantial associated morbidity observed in this population-based study. Patients with more extensive skin psoriasis are at greatest risk of developing psoriatic arthritis; however, the severity of impairment from joint disease cannot be reliably predicted on the basis of the severity of skin disease.

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Appendix. Questionnaire utilized in the study

Gender					
Male	(1)		Blue collar—semiskilled, unskilled	(4)	
Female	(2)		Service worker	(5)	
			Other	(6)	
			Refused/No response	(7)	
Head of household			Marital status		
Yes	(1)		Yes	(1)	
No	(2)		No	(2)	
Refused/No response	(3)		Refused	(7)	
Primary grocery shopper			Are you a dual-income household, where both male and female heads of the household work and con- tribute to total household income?		
Yes	(1)		Yes	(1)	
No	(2)		No	(2)	
Don't know	(3)		Refused/No response	(3)	
Exact age (‘—’ = Refused)			Household size		
Age range (y)			One	(1)	
Under 25	(1)		Two	(2)	
25 to 34	(2)		Three	(3)	
35 to 44	(3)		Four	(4)	
45 to 54	(4)		Five	(5)	
55 to 64	(5)		Six	(6)	
65 to 74	(6)		Seven	(7)	
75 to 84	(7)		Eight or more	(8)	
85 or older	(8)		Refused	(11)	
Refused	(10)		Children under 6 years old in household		
Age (y) category			Yes	(1)	
Under 25	(1)		No	(2)	
25 to 34	(2)		Refused	(3)	
35 to 44	(3)		Children 6 to 11 years old or 6 to 12 years old in household		
45 to 54	(4)		Yes	(1)	
55 to 64	(5)		No	(2)	
65+	(6)		Refused	(3)	
Refused	(12)		Children 12 to 17 years old or 13 to 17 years old in household		
Education			Yes	(1)	
Completed grade school or less	(1)		No	(2)	
Some high school, not completed	(2)		Refused	(3)	
Completed high school	(3)		Homeowner		
Some college, not completed	(4)		Yes	(1)	
Technical school/Professional business school	(7)		No	(2)	
Completed college	(5)		Refused	(3)	
Postgraduate work started or completed	(6)		Income		
Refused	(8)		Under \$15,000	(1)	
Employment status			\$15,000 to less than \$30,000	(2)	
Employed full time	(1)		\$30,000 to less than \$50,000	(3)	
Employed part time	(2)		\$50,000 to less than \$75,000	(4)	
School	(6)		\$75,000 to less than \$100,000	(5)	
Homemaker	(8)		\$100,000 or more	(6)	
Retired	(3)		Don't know	(7)	
Not employed	(4)		Refused	(10)	
Refused	(5)		Race		
Don't know	(7)		White	(1)	
Occupation			Black	(2)	
White collar—professional, managerial, owner	(1)		Asian	(3)	
White collar—sales, clerical	(2)		Hispanic, Latino, Spanish	(6)	
Blue collar—craftsman/foreman	(3)		Native American	(8)	
			A member of another race	(4)	

Appendix. Cont'd

Refused	(5)
Don't know	(7)
Hispanic, Latino, or Spanish origin	
Yes	(1)
No	(2)
Refused	(3)
Region	
Northeast	(1)
Midwest	(2)
South	(3)
West	(4)
North Central	(5)
Internet access	
Home	(1)
Work	(2)
School	(7)
At some other place	(3)
None	(4)
Don't know	(5)
Refused	(6)
Number of telephone numbers	
One	(1)
Two	(2)
Three	(3)
Four	(4)
Five or more	(5)
Don't know/Refused	(6)
Weights	
	(0:5)
Psoriasis priority	
You	(1)
Your child	(2)
Your spouse	(3)
The other adult member	(4)
Psoriatic arthritis priority	
You	(1)
Your child	(2)
Your spouse	(3)
The other adult member	(4)
Recruit priority	
You	(1)
Your child	(2)
Your spouse	(3)
The other adult member	(4)
Q.1A Have you or anyone in your household ever been diagnosed by a doctor with diabetes?	
Yes	(1)
No	(2)
Hang up	(3)
Refused	(4)
Don't know/Refused	(5)
Q.1B Have you or anyone in your household ever been diagnosed by a doctor with psoriasis?	
Yes	(1)
No	(2)
Hang up	(3)
Refused	(4)
Don't know/Refused	(5)

Q.1C Have you or anyone in your household ever been diagnosed by a doctor with lupus?

Yes	(1)
No	(2)
Hang up	(3)
Refused	(4)
Don't know/Refused	(5)

Q.1D Have you or anyone in your household ever been diagnosed by a doctor with psoriatic arthritis?

Yes	(1)
No	(2)
Hang up	(3)
Refused	(4)
Don't know/Refused	(5)

Q.1E Have you or anyone in your household ever been diagnosed by a doctor with multiple sclerosis?

Yes	(1)
No	(2)
Hang up	(3)
Refused	(4)
Don't know/Refused	(5)

Q.2A Of the (number of people in household) in your home, how many people, including yourself, have ever been diagnosed with psoriasis?

One	(1)
Two	(2)
Three	(3)
Four	(4)
Five	(5)
Six	(6)
Seven	(7)
Eight	(8)
Nine	(9)
Ten	(10)
Don't know	(11)
Refused	(12)
Hang up	(0)

Q.2B Of the (number of people in household) in your home, how many people, including yourself, have ever been diagnosed with psoriatic arthritis?

One	(1)
Two	(2)
Three	(3)
Four	(4)
Five	(5)
Six	(6)
Seven	(7)
Eight	(8)
Nine	(9)
Ten	(10)
Don't know	(11)
Refused	(12)
Hang up	(0)

Q.3A Do you have psoriasis?

Yes	(1)
No	(2)
Hang up	(3)

Appendix. Cont'd

Don't know	(4)
Refused	(5)
Q.3B Does any child in your household under 18 have psoriasis?	
Yes	(1)
No	(2)
Hang up	(3)
Don't know	(4)
Refused	(5)
Q.3C Does your spouse or partner have psoriasis?	
Yes	(1)
No	(2)
Hang up	(3)
Don't know	(4)
Refused	(5)
Q.3D Does another adult member of your household have psoriasis?	
Yes	(1)
No	(2)
Hang up	(3)
Don't know	(4)
Refused	(5)
Q.3 Marker	
You	(1)
Any child in your household under 18	(2)
Your spouse or partner	(3)
Another adult member of your household	(4)
Q.4 (Do/Does) (Q.3 RESPONSE) currently have	
No or very little psoriasis	(1)
Only a few patches that could be covered by one or two palms of your hand	(2)
Scattered patches that could be covered by between three and ten palms of your hand	(3)
Extensive psoriasis covering large areas of the body that would be more than ten palms of your hand	(4)
Don't know	(7)
Refused	(8)
Hang up	(9)
Q.5 All things considered, on a scale of 1 to 10, how much of a problem has (Q.3 RESPONSE) psoriasis been in (your/their) everyday life, where 1 means no problem at all and 10 means a very large problem?	
One—No problem at all	(1)
Two	(2)
Three	(3)
Four	(4)
Five	(5)
Six	(6)
Seven	(7)
Eight	(8)
Nine	(9)
Ten—Very large problem	(10)

Don't know	(11)
Refused	(13)
Hang up	(14)

Q.6 All things considered, on a scale of 1 to 10, how satisfied (have/has) (Q.3 response) been with the treatment (you/they) have received for psoriasis, where 1 means very unsatisfied and 10 means very satisfied?

One—Very unsatisfied	(1)
Two	(2)
Three	(3)
Four	(4)
Five	(5)
Six	(6)
Seven	(7)
Eight	(8)
Nine	(9)
Ten—Very satisfied	(10)
Don't know	(11)
Refused	(13)
Hang up	(14)

Q.6a Why do you say that?

Doctor is not receptive/attentive to my needs	(1)
There is no cure	(2)
It is under control	(3)
Doctor is attentive/will listen/help me	(4)
There is no change	(5)
Medications/treatments were/are helpful	(6)
Medications/treatments were/are not helpful	(7)
There are side effects to the medications/treatments	(8)
They provide information	(9)
My insurance covers medications/treatments/doctors visits	(10)
I don't have insurance/insurance will not cover edications/treatments/doctors' visits	(11)
The results of medications/treatments are temporary	(12)
I am in pain	(13)
I have flare ups	(14)
Nothing works	(15)
No side effects from medications/treatments	(16)
Treatments/medications/doctors visits are too expensive	(17)
Treatments/medications are messy/greasy	(18)
My condition is getting worse	(19)
Nothing	(34)
Other	(35)
Don't know/Refused	(36)

Appendix. Cont'd

Q.7 (Have/Has) (Q.3 RESPONSE) developed any significant joint pain or stiffness?

Yes	(1)
No	(2)
Hang up	(3)
Don't know	(4)
Refused	(5)

Please tell me: which of the following has been done about the psoriasis?

Q.8-1 Have you seen a primary care doctor, such as a general or family practitioner?

Yes	(1)
No	(2)
Hang up	(3)
Refused	(4)
Don't know	(5)

Q.8-2 Have you seen a dermatologist, a doctor who treats skin problems?

Yes	(1)
No	(2)
Hang up	(3)
Refused	(4)
Don't know	(5)

Q.8-3 Have you seen a rheumatologist, a doctor who specializes in arthritis or joint problems

Yes	(1)
No	(2)
Hang up	(3)
Refused	(4)
Don't know	(5)

Q.8-4 Have you looked up information on the Internet?

Yes	(1)
No	(2)
Hang up	(3)
Refused	(4)
Don't know	(5)

Q.8-5 Have you sought information from organizations?

Yes	(1)
No	(2)
Hang up	(3)
Refused	(4)
Don't know	(5)

Q.8-6 Have you read about it in sources such as magazines?

Yes	(1)
No	(2)
Hang up	(3)
Refused	(4)
Don't know	(5)

Q.8-7 Have you spoken with friends or family members who have the same condition?

Yes	(1)
No	(2)
Hang up	(3)

Refused	(4)
Don't know	(5)

Q.9-1 Do you have psoriatic arthritis?

Yes	(1)
No	(2)
Hang up	(3)
Refused	(4)
Don't know	(5)

Q.9-2 Does any child in your household under 18 have psoriatic arthritis?

Yes	(1)
No	(2)
Hang up	(3)
Refused	(4)
Don't know	(5)

Q.9-3 Does your spouse or partner have psoriatic arthritis?

Yes	(1)
No	(2)
Hang up	(3)
Refused	(4)
Don't know	(5)

Q.9-4 Does another adult member of your household have psoriatic arthritis?

Yes	(1)
No	(2)
Hang up	(3)
Refused	(4)
Don't know	(5)

Q.9 Marker

You	(1)
Any child in your household under 18	(2)
Your spouse or partner	(3)
Another adult member of your household	(4)

Q.10 All things considered, on a scale of 1 to 10, how much has (Q.9 RESPONSE) psoriatic arthritis been in (your/their) everyday life, where 1 means no problem at all and 10 means a very large problem?

One—No problem at all	(1)
Two	(2)
Three	(3)
Four	(4)
Five	(5)
Six	(6)
Seven	(7)
Eight	(8)
Nine	(9)
Ten—Very large problem	(10)
Don't know	(11)
Refused	(12)
Hang up	(13)

Q.11 All things considered, on a scale of 1 to 10, how satisfied (has/have) (Q.9 RESPONSE) been with the treatment (you/they) have received for psoriatic arthritis, where 1 means very unsatisfied and 10 means very satisfied?

One—Very unsatisfied	(1)
Two	(2)

Appendix. Cont'd

Three	(3)
Four	(4)
Five	(5)
Six	(6)
Seven	(7)
Eight	(8)
Nine	(9)
Ten—Very satisfied	(10)
Don't know	(11)
Refused	(12)
Hang up	(13)
Q.11a Why do you say that?	
Doctor is not receptive/attentive to my needs	(1)
There is no cure	(2)
It is under control	(3)
Doctor is attentive/will listen/help me	(4)
There is no change	(5)
Medications/treatments were/are helpful	(6)
Medications/treatments were/are not helpful	(7)
There are side effects to the medications/treatments	(8)
They provide information	(9)
My insurance covers medications/ treatments/doctors' visits	(10)
I don't have insurance/insurance will not cover medications/ treatments/doctors' visits	(11)
The results of medications/ treatments are temporary	(12)
I am in pain	(13)
I have flare ups	(14)
Nothing works	(15)
No side effects from medications/treatments	(16)
Treatments/medications/doctors visits are too expensive	(17)
Treatments/medications are messy/greasy	(18)
My condition is getting worse	(19)
Nothing	(34)
Other	(35)
Don't know/refused	(36)

Please tell me: which of the following has been done about the psoriatic arthritis?

Q.12-1 Have you seen a primary care doctor, such as a general or family practitioner?

Yes	(1)
No	(2)
Hang up	(3)
Refused	(4)
Don't know	(5)

Q.12-2 Have you seen a dermatologist, a doctor who treats skin problems?

Yes	(1)
No	(2)

Hang up	(3)
Refused	(4)
Don't know	(5)

Q.12-3 Have you seen a rheumatologist, a doctor who specializes in arthritis or joint problems

Yes	(1)
No	(2)
Hang up	(3)
Refused	(4)
Don't know	(5)

Q.12-4 Have you looked up information on the Internet?

Yes	(1)
No	(2)
Hang up	(3)
Refused	(4)
Don't know	(5)

Q.12-5 Have you sought information from organizations?

Yes	(1)
No	(2)
Hang up	(3)
Refused	(4)
Don't know	(5)

Q.12-6 Have you read about it in sources such as magazines?

Yes	(1)
No	(2)
Hang up	(3)
Refused	(4)
Don't know	(5)

Q.12-7 Have you spoken with friends or family members who have the same condition?

Yes	(1)
No	(2)
Hang up	(3)
Refused	(4)
Don't know	(5)

Q.13 Have you heard of the National Psoriasis Foundation before, or not?

Yes	(1)
No	(2)
Unsure	(3)
Hang up	(4)
Don't know	(5)
Refused	(6)

Q.14 The National Psoriasis Foundation, a nonprofit organization, would like to learn more about people's experiences with psoriasis and psoriatic arthritis. With your permission, we would like to contact you or the psoriasis sufferer in the next few weeks to learn further about how the disease and treatments are affecting you. Could we contact you or the psoriasis sufferer again?

Yes	(1)
No	(2)
Hang up	(3)
Refused	(4)
Don't know	(5)

Appendix. Cont'd

Q.15 Should we contact you or the person with the disease?

Respondent	(1)
Person with the disease	(2)
Hang up	(3)
Refused	(4)

Q.16 Respondent name**Q.17 Person with disease****Q.18 Person to be contacted****Q.19 Would you prefer to be contacted by phone or e-mail?**

Phone	(1)
E-mail	(2)
Hang up	(3)
Don't know	(4)
Refused	(5)

Q.20 In addition to this phone number, is there an e-mail address that the National Psoriasis Foundation can use for the follow up survey?

Yes, have e-mail	(1)
No, don't have/won't give e-mail address	(2)

The questions below were asked of respondents identified above who were willing to be contacted for a more detailed phone interview.

S.101 Just to clarify, have you, yourself ever been diagnosed by a doctor with:

Psoriasis	(1)
Psoriatic arthritis	(2)
Both psoriasis and psoriatic arthritis	(3)
Child who has been diagnosed by a doctor with psoriasis	(4)
Child who has been diagnosed by a doctor with psoriatic arthritis	(5)
Child who has been diagnosed by a doctor with psoriasis & psoriatic arthritis	(6)

S.102 How many children in your home have psoriasis?

One	(1)
Two	(2)
Three	(3)
Four +	(4)
Refused	(5)

S.103 How many children in your home have psoriatic arthritis?

One	(1)
Two	(2)
Three	(3)
Four +	(4)
Refused	(5)

S.104 So, just to clarify, you have only one child who has both psoriasis and psoriatic arthritis?

Yes—child/children has/have both	(1)
No—one child with psoriasis/one child with psoriatic arthritis	(2)
Refused	(3)

S.105 Since you have more than one child with psoriasis/psoriatic arthritis, for the rest of my questions I'd like to talk specifically about your child whose birthday is next. So, just to clarify, does your child with his/her upcoming birthday have:

Psoriasis only	(1)
Psoriatic arthritis only	(2)
Both psoriasis and psoriatic arthritis	(3)
Refused	(4)

S.106 Are you the adult in your home most familiar with the condition of your (S.101 RESPONSE)?

Yes	(1)
No	(2)

S.107 Is your child a boy or a girl?

Boy	(1)
Girl	(2)
Refused	(3)

S.108 Is your (S.107 response)?

Under 18 or	(1)
18 or over	(2)
Refused	(3)

S.109 During the rest of my questions I will be talking to you about your (S.1 RESPONSE) and I'm hoping you can answer my questions on their behalf or from their perspective. Do you think you're able to do that?

Yes, I can do that	(1)
No, I'm not sure I'm the best one to talk with	(2)

S.110 ENTER IN SAMPLE

1—National Psoriasis Foundation members	(1)
2—National Psoriasis foundation contacts	(2)
3—Omnibus	(3)
4—Recent doctor visit	(4)

S.111 Our records indicate that a short time ago, you answered a few questions about your (S.1 response). I just want to confirm we are talking to the same person today.

Same person	(1)
Different person	(2)
Respondent is confused	(3)

My next questions refer to the last 4 weeks only, on a scale from very much, a lot, a little, not at all:

Q.101 How much has your psoriasis interfered with you carrying out work around the house or yard?

Very much	(1)
A lot	(2)
A little	(3)
Not at all	(4)
Unsure	(5)
Refused	(6)

Q.102 How often have you worn different types or colors of clothes because of your psoriasis?

Very much	(1)
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Appendix. Cont'd

A lot	(2)
A little	(3)
Not at all	(4)
Unsure	(5)
Refused	(6)

Q.103 How much more have you had to change or wash your clothes?

Very much	(1)
A lot	(2)
A little	(3)
Not at all	(4)
Unsure	(5)
Refused	(6)

Q.104 How much of a problem has your psoriasis been at the hairdresser?

Very much	(1)
A lot	(2)
A little	(3)
Not at all	(4)
Unsure	(5)
Refused	(6)

Q.105 How much has your psoriasis resulted in you having to take more baths than usual?

Very much	(1)
A lot	(2)
A little	(3)
Not at all	(4)
Unsure	(5)
Refused	(6)

In the last 4 weeks only:

Q.106a How much has your psoriasis made you lose time off work or school over the last 4 weeks?

Very much	(1)
A lot	(2)
A little	(3)
Not at all	(4)
Unsure	(5)
Refused	(6)

Q.107a How much has your psoriasis prevented you from doing things at work or school over the last four weeks?

Very much	(1)
A lot	(2)
A little	(3)
Not at all	(4)
Unsure	(5)
Refused	(6)

Q.108a Has your career been affected by your psoriasis, for example, had a promotion refused, lost a job, or asked to change a job?

Very much	(1)
A lot	(2)
A little	(3)
Not at all	(4)
Unsure	(5)
Refused	(6)

In the last 4 weeks only:

Q.106b How much has your psoriasis stopped you from carrying out your normal daily activities over the last 4 weeks?

Very much	(1)
A lot	(2)
A little	(3)
Not at all	(4)
Unsure	(5)
Refused	(6)

Q.107b How much has your psoriasis altered the way in which you carry out your normal daily activities over the last 4 weeks?

Very much	(1)
A lot	(2)
A little	(3)
Not at all	(4)
Unsure	(5)
Refused	(6)

Q.108b Has your career been affected by your psoriasis, for example had a promotion refused, lost a job, or asked to change a job?

Very much	(1)
A lot	(2)
A little	(3)
Not at all	(4)
Unsure	(5)
Refused	(6)

In the last 4 weeks:

Q.109 Has your psoriasis resulted in sexual difficulties over the last 4 weeks?

Very much	(1)
A lot	(2)
A little	(3)
Not at all	(4)
Unsure	(5)
Refused	(6)

Q.110 Has your psoriasis created problems with your partner or any of your close friends or relatives?

Very much	(1)
A lot	(2)
A little	(3)
Not at all	(4)
Unsure	(5)
Refused	(6)

Q.111 How much has your psoriasis stopped you from going out socially or to any special events?

Very much	(1)
A lot	(2)
A little	(3)
Not at all	(4)
Unsure	(5)
Refused	(6)

Q.112 Is your psoriasis making it difficult for you to do any sport?

Very much	(1)
A lot	(2)
A little	(3)
Not at all	(4)

Appendix. Cont'd

Unsure	(5)
Refused	(6)
Q.113 Have you been unable to use or stopped from using the gym, locker room, swimming pool, or dressing room in a store because of your psoriasis?	
Very much	(1)
A lot	(2)
A little	(3)
Not at all	(4)
Unsure	(5)
Refused	(6)
Q.114 Has your psoriasis resulted in you smoking or drinking alcohol more than you would do normally?	
Very much	(1)
A lot	(2)
A little	(3)
Not at all	(4)
Unsure	(5)
Refused	(6)
Q.115 To what extent has your psoriasis or treatment made your home messy or untidy?	
Very much	(1)
A lot	(2)
A little	(3)
Not at all	(4)
Unsure	(5)
Refused	(6)
Q.116 How much did any physical discomfort due to psoriasis cause you to lose sleep or to sleep badly?	
Very much	(1)
A lot	(2)
A little	(3)
Not at all	(4)
Unsure	(5)
Refused	(6)
Q.101a Now, thinking specifically about your psoriatic arthritis, in the last 4 weeks how much has your psoriatic arthritis interfered with you carrying out work around the house or yard?	
Very much	(1)
A lot	(2)
A little	(3)
Not at all	(4)
Unsure	(5)
Refused	(6)
Q.106aa How much has your psoriatic arthritis prevented you from doing things at work or school over the last 4 weeks?	
Very much	(1)
A lot	(2)
A little	(3)
Not at all	(4)
Unsure	(5)
Refused	(6)
Q.106bb How much has your psoriatic arthritis altered the way in which you carry out your normal daily activities over the last 4 weeks?	
Very much	(1)

A lot	(2)
A little	(3)
Not at all	(4)
Unsure	(5)
Refused	(6)

In the last 4 weeks:

Q.109a Has your psoriatic arthritis resulted in you smoking or drinking alcohol more than you would do normally?

Very much	(1)
A lot	(2)
A little	(3)
Not at all	(4)
Unsure	(5)
Refused	(6)

Q.109b How much did any physical discomfort due to psoriatic arthritis cause you to lose sleep or to sleep badly?

Very much	(1)
A lot	(2)
A little	(3)
Not at all	(4)
Unsure	(5)
Refused	(6)

Q.117 All things considered, on a scale of 1 to 10, how much of a problem has your (S.1 response) been in your everyday life, where 1 means no problem at all and 10 means a very large problem?

1—No problem at all	(1)
2	(2)
3	(3)
4	(4)
5	(5)
6	(6)
7	(7)
8	(8)
9	(9)
10—Very large problem	(0)
Don't know	(11)
Refused	(12)

Q.120 Have you developed pain or stiffness in the

Joints of the fingers	(1)
Joints of the toes	(2)
Joints such as your wrists, elbows, or ankles	(3)
Knees, shoulders, or hips	(4)
Neck or back	(5)
None	(6)
Don't know	(7)
Refused	(8)

Q.120a In how many joints of the fingers have you developed pain or stiffness?

('—' = REFUSED)

Q.120b How many joints of the toes have you developed pain or stiffness in?

('—' = REFUSED)

Q.123 How many doctors have you seen about your psoriasis/psoriatic arthritis in the last 2 years, if any?

1	(1)
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Appendix. Cont'd

2	(2)
3	(3)
4	(4)
5+	(5)
0	(6)
Don't know	(7)
Refused	(8)

Q.124 Who are you currently seeing for your (S.1 RESPONSE)?

A general or family practitioner	(1)
A dermatologist, a doctor who treats skin problems	(2)
A rheumatologist, a doctor who specializes in arthritis and joint problems	(3)
No one, not currently in treatment	(4)
Don't know	(5)
Refused	(6)

Q.126 Where would you prefer to get more information on your condition?

The Internet	(1)
Your family doctor	(2)
A dermatologist	(3)
A rheumatologist	(4)
The library	(5)
A newsletter from a nonprofit organization	(6)
Someplace else	(7)
Don't know	(8)
Refused	(9)

Q.127 Since the onset of your (S.1 RESPONSE), what types of treatment have you tried?

Dietary approaches	(1)
Relaxation techniques	(2)
Herbal remedies	(3)
Bath remedies	(4)
Tanning beds	(5)
Natural sunlight	(6)
Phototherapy, which is exposure to ultraviolet light in a doctor's office	(7)
Over-the-counter medicines	(8)
Prescription medicine	(9)
None	(0)

Q.130 What types of prescription medicine have you tried?

Antimalarials	(1)
Azulfidine	(2)
Coal tar	(3)
Neoral (cyclosporine)	(4)
Dovonex (calcipotriene)	(5)
Enbrel (etanercept)	(6)
Gold	(7)
Methotrexate	(8)
Remicade (infliximab)	(9)
Penicillamine	(0)
PUVA (psoralen plus UVA)	(11)
Soriatane (acetrelin)	(12)
Sulfasalazine	(13)

Tazorac (tazarotene)	(14)
Tegison (etretinate)	(15)
Topical steroids	(16)
UVB (ultraviolet light B)	(17)
Celebrex	(20)
Vioux	(21)
Anti-inflammatories (unspecified)	(22)
Cortizone	(23)
Nizoral	(24)
Refused	(25)
Shampoo (unspecified)	(26)
Prednisone	(27)
Naprosyn	(28)
Naproxen	(29)
Arava	(30)
Relafen	(31)
Folic acid	(32)
Lac-Hydrin	(33)
Indocin	(34)
Lodine	(35)
Daypro	(36)
Other	(18)
Don't know	(19)

Q.131 Methotrexate

Have never heard of it	(1)
Have heard of it, but not tried it	(2)
Have used it in the past	(3)
Are currently using this treatment	(4)
Don't know	(5)
Refused	(6)

Q.132 Cyclosporine

Have never heard of it	(1)
Have heard of it, but not tried it	(2)
Have used it in the past	(3)
Are currently using this treatment	(4)
Don't know	(5)
Refused	(6)

Q.133 Soriatane

Have never heard of it	(1)
Have heard of it, but not tried it	(2)
Have used it in the past	(3)
Are currently using this treatment	(4)
Don't know	(5)
Refused	(6)

Q.134 PUVA

Have never heard of it	(1)
Have heard of it, but not tried it	(2)
Have used it in the past	(3)
Are currently using this treatment	(4)
Don't know	(5)
Refused	(6)

Q.135 UVB

Have never heard of it	(1)
Have heard of it, but not tried it	(2)
Have used it in the past	(3)
Are currently using this treatment	(4)
Don't know	(5)
Refused	(6)

Appendix. Cont'd**Q.136 Enbrel**

Have never heard of it	(1)
Have heard of it, but not tried it	(2)
Have used it in the past	(3)
Are currently using this treatment	(4)
Don't know	(5)
Refused	(6)

Q.137 Remicade

Have never heard of it	(1)
Have heard of it, but not tried it	(2)
Have used it in the past	(3)
Are currently using this treatment	(4)
Don't know	(5)
Refused	(6)

Q.138 Dovonex

Have never heard of it	(1)
Have heard of it, but not tried it	(2)
Have used it in the past	(3)
Are currently using this treatment	(4)
Don't know	(5)
Refused	(6)

Q.139 Tazorac

Have never heard of it	(1)
Have heard of it, but not tried it	(2)
Have used it in the past	(3)
Are currently using this treatment	(4)
Don't know	(5)
Refused	(6)

Q.140 Topical steroids

Have never heard of it	(1)
Have heard of it, but not tried it	(2)
Have used it in the past	(3)
Are currently using this treatment	(4)
Don't know	(5)
Refused	(6)

Q.131a How satisfied have you been with methotrexate, where 1 means very unsatisfied and 10 means very satisfied?

1—Very unsatisfied	(1)
2	(2)
3	(3)
4	(4)
5	(5)
6	(6)
7	(7)
8	(8)
9	(9)
10—Very satisfied	(0)
Don't know	(11)
Refused	(12)

Q.131b Why did you stop using methotrexate?

Side effects	(1)
Too expensive	(2)
Insurance didn't cover	(3)
Too many risks	(4)
Didn't work	(5)
The doctor quit prescribing it/ suggested I quit taking it	(6)

Became ineffective	(7)
No longer needed	(8)
Switched to another medication	(9)
Too time-consuming	(0)
Time/dosage limitations	(11)
Used it too much	(12)
Other	(13)
Don't remember	(14)
Treatment facility is too far away	(15)
Inconvenient	(16)

Q.132a How satisfied have you been with cyclosporine, where 1 means very unsatisfied and 10 means very satisfied?

1—Very unsatisfied	(1)
2	(2)
3	(3)
4	(4)
5	(5)
6	(6)
7	(7)
8	(8)
9	(9)
10—Very satisfied	(0)
Don't know	(11)
Refused	(12)

Q.132b Why did you stop using cyclosporine?

Side effects	(1)
Too expensive	(2)
Insurance didn't cover	(3)
Too many risks	(4)
Didn't work	(5)
The doctor quit prescribing it/ suggested I quit taking it	(6)
Became ineffective	(7)
No longer needed	(8)
Switched to another medication	(9)
Too time-consuming	(0)
Time/dosage limitations	(11)
Used it too much	(12)
Other	(13)
Don't remember	(14)
Treatment facility is too far away	(15)
Inconvenient	(16)

Q.133a How satisfied have you been with Soriatane, where 1 means very unsatisfied and 10 means very satisfied?

1—Very unsatisfied	(1)
2	(2)
3	(3)
4	(4)
5	(5)
6	(6)
7	(7)
8	(8)
9	(9)
10—Very satisfied	(0)
Don't know	(11)
Refused	(12)

Appendix. Cont'd

Q.133b Why did you stop using Soriatane?

Side effects	(1)
Too expensive	(2)
Insurance didn't cover	(3)
Too many risks	(4)
Didn't work	(5)
The doctor quit prescribing it/ suggested I quit taking it	(6)
Became ineffective	(7)
No longer needed	(8)
Switched to another medication	(9)
Too time-consuming	(0)
Time/dosage limitations	(11)
Used it too much	(12)
Other	(13)
Don't remember	(14)
Treatment facility is too far away	(15)
Inconvenient	(16)

Q.134a How satisfied have you been with PUVA, where 1 means very unsatisfied and 10 means very satisfied?

1—Very unsatisfied	(1)
2	(2)
3	(3)
4	(4)
5	(5)
6	(6)
7	(7)
8	(8)
9	(9)
10—Very satisfied	(0)
Don't know	(11)
Refused	(12)

Q.134b Why did you stop using PUVA ?

Side effects	(1)
Too expensive	(2)
Insurance didn't cover	(3)
Too many risks	(4)
Didn't work	(5)
The doctor quit prescribing it/ suggested I quit taking it	(6)
Became ineffective	(7)
No longer needed	(8)
Switched to another medication	(9)
Too time-consuming	(0)
Time/dosage limitations	(11)
Used it too much	(12)
Other	(13)
Don't remember	(14)
Treatment facility is too far away	(15)
Inconvenient	(16)

Q.135a How satisfied have you been with Enbrel, where 1 means very unsatisfied and 10 means very satisfied?

1—Very unsatisfied	(1)
2	(2)
3	(3)
4	(4)

5	(5)
6	(6)
7	(7)
8	(8)
9	(9)
10—Very satisfied	(0)
Don't know	(11)
Refused	(12)

Q.135b Why did you stop using Enbrel?

Side effects	(1)
Too expensive	(2)
Insurance didn't cover	(3)
Too many risks	(4)
Didn't work	(5)
The doctor quit prescribing it/ suggested I quit taking it	(6)
Became ineffective	(7)
No longer needed	(8)
Switched to another medication	(9)
Too time-consuming	(0)
Time/dosage limitations	(11)
Used it too much	(12)
Other	(13)
Don't remember	(14)
Treatment facility is too far away	(15)
Inconvenient	(16)

Q.136a How satisfied have you been with Remicade, where 1 means very unsatisfied and 10 means very satisfied?

1—Very unsatisfied	(1)
2	(2)
3	(3)
4	(4)
5	(5)
6	(6)
7	(7)
8	(8)
9	(9)
10—Very satisfied	(0)
Don't know	(11)
Refused	(12)

Q.136b Why did you stop using Remicade?

Side effects	(1)
Too expensive	(2)
Insurance didn't cover	(3)
Too many risks	(4)
Didn't work	(5)
The doctor quit prescribing it/ suggested I quit taking it	(6)
Became ineffective	(7)
No longer needed	(8)
Switched to another medication	(9)
Too time-consuming	(0)
Time/dosage limitations	(11)
Used it too much	(12)
Other	(13)
Don't remember	(14)
Treatment facility is too far away	(15)
Inconvenient	(16)

Appendix. Cont'd

Q.141 How satisfied are you that your doctor listens to your needs and concerns?

1—Very unsatisfied	(1)
2	(2)
3	(3)
4	(4)
5	(5)
6	(6)
7	(7)
8	(8)
9	(9)
10—Very satisfied	(0)
Don't know	(11)
Refused	(12)

Q.142 How satisfied are you with the information your doctor gives you about your condition and its treatments?

1—Very unsatisfied	(1)
2	(2)
3	(3)
4	(4)
5	(5)
6	(6)
7	(7)
8	(8)
9	(9)
10—Very satisfied	(0)
Don't know	(11)
Refused	(12)

Q.143 How satisfied are you with how aggressively has your doctor treated your condition?

1—Very unsatisfied	(1)
2	(2)
3	(3)
4	(4)
5	(5)
6	(6)
7	(7)
8	(8)
9	(9)
10—Very satisfied	(0)
Don't know	(11)
Refused	(12)

Q.144 How satisfied are you with your doctor overall?

1—Very unsatisfied	(1)
2	(2)
3	(3)
4	(4)
5	(5)
6	(6)
7	(7)
8	(8)
9	(9)
10—Very satisfied	(0)
Don't know	(11)
Refused	(12)

Q.152 How did you first become aware of the National Psoriasis Foundation?

Doctor	(1)
Media	(2)
Friend/relative	(3)
Internet	(4)
Other	(5)
This call/call the other day	(6)
Do not recall	(7)
Don't know	(8)
Refused	(9)
Magazine	(0)
Direct mail	(11)
Newsletter/pamphlet/flyer/brochure	(12)

Q.153 Have you ever contacted the National Psoriasis Foundation?

By phone	(1)
By mail	(2)
Over the Internet	(3)
None	(4)
Don't know	(5)
Refused	(6)

Q.154 Are you a current member of the National Psoriasis Foundation, or not?

Yes	(1)
No	(2)
Don't know	(3)
Refused	(4)

Q.155a Why did you choose to become a member of the National Psoriasis Foundation?

For good/current information about psoriasis/psoriatic arthritis	(1)
For information/treatments/medications/research	(2)
I have psoriasis/psoriatic arthritis	(3)
To support the National Psoriasis Foundation/National Psoriasis Foundation's agenda	(4)
To help fund research for treatments/a cure	(5)
I like/enjoy the information I receive	(6)
Great/good information	(7)
To support/help others with psoriasis/psoriatic arthritis	(8)
My doctor recommended that join	(9)
To receive help/emotional support	(0)
Their information is helpful/informative	(11)
To learn about other people's condition, experiences, problems, etc.	(12)
To meet/communicate with people who have psoriasis/psoriatic arthritis	(13)
They are knowledgeable about psoriasis/psoriatic arthritis	(14)
A friend/relative recommended that I join	(15)

Appendix. Cont'd

It's a good cause	(16)
Other	(35)
Don't know/refused	(36)
Q.155b Why did you choose not to become a member of the National Psoriasis Foundation?	
I never got around to it/have been putting it off	(1)
I can't afford it/it's not financially possible	(2)
Haven't had the time/been too busy	(3)
No one asked me to become a member	(4)
Didn't know how to become a member/that you could become a member	(5)
I plan on becoming a member/ am in the process of becoming a member	(6)
I would like to become a member	(7)
Not interested/Just didn't want to	(8)
I haven't sent my money in	(9)
Have no/little information about being a member (benefits, services, membership fees, etc.)	(0)
My psoriasis/psoriatic arthritis is under control/doesn't need treatment	(11)
I have no need to join/there's no reason for me to join	(12)
I'm still deciding on whether to become a member/reading the membership information	(13)
It will not benefit/help me	(14)
I already receive information they provide/I don't need their information	(15)
Don't like becoming a member in organizations	(16)
All I need is the information they provide	(17)
Never thought about it	(32)
I haven't chosen not to join	(33)
There's no reason why I haven't joined	(34)
Other	(35)
Don't know/refused	(36)
Q.156 Can you tell me what services the National Psoriasis Foundation provides, if any?	
General information	(1)
Doctor education	(2)
Patient education	(3)
Advocacy	(4)
Research	(5)
List of specialists or doctors	(6)

Other things	(7)
Don't know	(8)
Counseling/support services	(9)
Hold conferences/seminars	(0)
Refused	(13)
Q.159 How old were (was) you (yourchild) when psoriasis first developed?	
('-' = Refused)	(0:99)
('0' = Less than 1 year of age)	
Q.160 How old were you or your child when you first developed psoriatic arthritis?	
('-' = Refused)	(0:99)
('0' = Less than 1 year of age)	
Q.162 Do you currently have health insurance, or not?	
Yes	(1)
No	(2)
Don't know	(3)
Refused	(4)
Q.163 Are prescription drugs covered by your insurance policy, or not?	
Yes	(1)
No	(2)
Don't know	(3)
Refused	(4)
Total years with psoriasis	(0:99)
Total years with psoriatic arthritis	(0:99)
Psoriasis Disability Index	(0:45)
Sample source (1-4) from SAMPLE	
1 - Member	(1)
2 - Contact	(2)
3 - Omnibus	(3)
4 - Doctor cards	(4)
2 - CONTACT SAMPLE SURVEYS COMPLETED AFTER 12/11	(5)
Respondent No. from Sample	(0:99999)
('X' = Not listed)	
Month of interview	(1:12)
Date of interview	(1:31)