

Q. CONDITIONS AND IMPAIRMENTS

RT 68

Read to respondent – Please tell me if you have EVER had any of these other conditions, even if you have mentioned them before.

12. Have you EVER had –				33
a. Osteoporosis, sometimes called fragile or soft bones? (os tee o po ro' sis)	1 <input type="checkbox"/> Yes	2 <input type="checkbox"/> No	9 <input type="checkbox"/> DK	
b. A broken hip?	1 <input type="checkbox"/> Yes	2 <input type="checkbox"/> No	9 <input type="checkbox"/> DK	34
c. Hardening of the arteries or arteriosclerosis? Circle appropriate condition	1 <input type="checkbox"/> Yes	2 <input type="checkbox"/> No	9 <input type="checkbox"/> DK	35
d. Hypertension, sometimes called high blood pressure?	1 <input type="checkbox"/> Yes	2 <input type="checkbox"/> No	9 <input type="checkbox"/> DK	36
e. Rheumatic fever?	1 <input type="checkbox"/> Yes	2 <input type="checkbox"/> No	9 <input type="checkbox"/> DK	37
f. Rheumatic heart disease?	1 <input type="checkbox"/> Yes	2 <input type="checkbox"/> No	9 <input type="checkbox"/> DK	38
g. Coronary heart disease?	1 <input type="checkbox"/> Yes	2 <input type="checkbox"/> No	9 <input type="checkbox"/> DK	39
h. Angina pectoris? (pek' to ris)	1 <input type="checkbox"/> Yes	2 <input type="checkbox"/> No	9 <input type="checkbox"/> DK	40
i. A myocardial infarction?	1 <input type="checkbox"/> Yes	2 <input type="checkbox"/> No	9 <input type="checkbox"/> DK	41
j. Any other heart attack?	1 <input type="checkbox"/> Yes	2 <input type="checkbox"/> No	9 <input type="checkbox"/> DK	42
k. A stroke or a cerebrovascular accident? (ser' a-bro vas ku lar) Circle appropriate condition	1 <input type="checkbox"/> Yes	2 <input type="checkbox"/> No	9 <input type="checkbox"/> DK	43
l. Alzheimer's disease? (al' zi mers)	1 <input type="checkbox"/> Yes	2 <input type="checkbox"/> No	9 <input type="checkbox"/> DK	44
m. Cancer of any kind?	1 <input type="checkbox"/> Yes	2 <input type="checkbox"/> No	9 <input type="checkbox"/> DK	45

FOOTNOTES

FORM HIS-R-1 (1984) (1-18-84)

Section R1. ACTIVITIES OF DAILY LIVING (ADL'S)

3-4

Read to respondent - The next questions are about how well you are able to do certain activities - by yourself and without using special equipment.

<p>1. Because of a health or physical problem, do you have ANY difficulty -</p> <p>Ask if "Doesn't do": Is this because of a HEALTH or PHYSICAL problem? If "Yes," mark box 1; if "No," mark box 3</p>	<p>(1) 5</p> <p>Bathing or showering?</p> <p>1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No 3 <input type="checkbox"/> Doesn't do for other reason</p>	<p>(2) 22</p> <p>Dressing?</p> <p>1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No 3 <input type="checkbox"/> Doesn't do for other reason</p>	<p>(3) 39</p> <p>Eating?</p> <p>1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No 3 <input type="checkbox"/> Doesn't do for other reason</p>																																																
<p>Ask 2-5 for each ADL marked "Yes" in 1.</p> <p>2. By yourself and without using special equipment, how much difficulty do you have (ADL), some, a lot, or are you unable to do it?</p>	<p>6</p> <p>1 <input type="checkbox"/> Some 2 <input type="checkbox"/> A lot 3 <input type="checkbox"/> Unable</p>	<p>23</p> <p>1 <input type="checkbox"/> Some 2 <input type="checkbox"/> A lot 3 <input type="checkbox"/> Unable</p>	<p>40</p> <p>1 <input type="checkbox"/> Some 2 <input type="checkbox"/> A lot 3 <input type="checkbox"/> Unable</p>																																																
<p>3. Do you receive help from another person in (ADL)?</p>	<p>7</p> <p>1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No (5)</p>	<p>24</p> <p>1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No (5)</p>	<p>41</p> <p>1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No (5)</p>																																																
<p>4a. Who gives this help?</p> <p>Anyone else?</p> <p>Mark the S/C/P box without asking if ONLY help is from spouse/children/parents.</p> <p>b. Is this help paid for? Ask if necessary: Which helpers are paid?</p>	<table border="1"> <thead> <tr> <th>Source of help</th> <th>Paid</th> </tr> </thead> <tbody> <tr> <td>8-11</td> <td>12-15</td> </tr> <tr> <td>HH member</td> <td>0 <input type="checkbox"/> S/C/P (5)</td> </tr> <tr> <td>1 <input type="checkbox"/> Relative ...</td> <td>1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No</td> </tr> <tr> <td>2 <input type="checkbox"/> Nonrelative ...</td> <td>1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No</td> </tr> <tr> <td>Non-HH member</td> <td></td> </tr> <tr> <td>3 <input type="checkbox"/> Relative ...</td> <td>1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No</td> </tr> <tr> <td>4 <input type="checkbox"/> Nonrelative ...</td> <td>1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No</td> </tr> </tbody> </table>	Source of help	Paid	8-11	12-15	HH member	0 <input type="checkbox"/> S/C/P (5)	1 <input type="checkbox"/> Relative ...	1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No	2 <input type="checkbox"/> Nonrelative ...	1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No	Non-HH member		3 <input type="checkbox"/> Relative ...	1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No	4 <input type="checkbox"/> Nonrelative ...	1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No	<table border="1"> <thead> <tr> <th>Source of help</th> <th>Paid</th> </tr> </thead> <tbody> <tr> <td>25-28</td> <td>29-32</td> </tr> <tr> <td>HH member</td> <td>0 <input type="checkbox"/> S/C/P (5)</td> </tr> <tr> <td>1 <input type="checkbox"/> Relative ...</td> <td>1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No</td> </tr> <tr> <td>2 <input type="checkbox"/> Nonrelative ...</td> <td>1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No</td> </tr> <tr> <td>Non-HH member</td> <td></td> </tr> <tr> <td>3 <input type="checkbox"/> Relative ...</td> <td>1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No</td> </tr> <tr> <td>4 <input type="checkbox"/> Nonrelative ...</td> <td>1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No</td> </tr> </tbody> </table>	Source of help	Paid	25-28	29-32	HH member	0 <input type="checkbox"/> S/C/P (5)	1 <input type="checkbox"/> Relative ...	1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No	2 <input type="checkbox"/> Nonrelative ...	1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No	Non-HH member		3 <input type="checkbox"/> Relative ...	1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No	4 <input type="checkbox"/> Nonrelative ...	1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No	<table border="1"> <thead> <tr> <th>Source of help</th> <th>Paid</th> </tr> </thead> <tbody> <tr> <td>42-45</td> <td>46-49</td> </tr> <tr> <td>HH member</td> <td>0 <input type="checkbox"/> S/C/P (5)</td> </tr> <tr> <td>1 <input type="checkbox"/> Relative ...</td> <td>1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No</td> </tr> <tr> <td>2 <input type="checkbox"/> Nonrelative ...</td> <td>1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No</td> </tr> <tr> <td>Non-HH member</td> <td></td> </tr> <tr> <td>3 <input type="checkbox"/> Relative ...</td> <td>1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No</td> </tr> <tr> <td>4 <input type="checkbox"/> Nonrelative ...</td> <td>1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No</td> </tr> </tbody> </table>	Source of help	Paid	42-45	46-49	HH member	0 <input type="checkbox"/> S/C/P (5)	1 <input type="checkbox"/> Relative ...	1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No	2 <input type="checkbox"/> Nonrelative ...	1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No	Non-HH member		3 <input type="checkbox"/> Relative ...	1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No	4 <input type="checkbox"/> Nonrelative ...	1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No
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<p>5a. Do you use any special equipment or aids in (ADL)?</p>	<p>16</p> <p>1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No (2 for all with "YES" in 1)</p>	<p>33</p> <p>1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No (2 for all with "YES" in 1)</p>	<p>50</p> <p>1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No (2 for all with "YES" in 1)</p>																																																
<p>b. What special equipment or aids do you use? Anything else?</p>	<p>Special equipment or aids</p> <p>_____ 17-18</p> <p>_____ 19-20</p>	<p>Special equipment or aids</p> <p>_____ 34-35</p> <p>_____ 36-37</p>	<p>Special equipment or aids</p> <p>_____ 51-52</p> <p>_____ 53-54</p>																																																

FOOTNOTES

Section R1. ACTIVITIES OF DAILY LIVING (ADL'S), Continued

RY 71
3-4

Reask 1 (4) 56 Getting in and out of bed or chairs? 1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No 3 <input type="checkbox"/> Doesn't do for other reason		(5) 73 Walking? 1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No 3 <input type="checkbox"/> Doesn't do for other reason		(6) 90 Getting outside? 1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No 3 <input type="checkbox"/> Doesn't do for other reason		(7) 5 Using the toilet, including getting to the toilet? 1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No 3 <input type="checkbox"/> Doesn't do for other reason			
57 1 <input type="checkbox"/> Some 2 <input type="checkbox"/> A lot 3 <input type="checkbox"/> Unable		74 1 <input type="checkbox"/> Some 2 <input type="checkbox"/> A lot 3 <input type="checkbox"/> Unable		91 1 <input type="checkbox"/> Some 2 <input type="checkbox"/> A lot 3 <input type="checkbox"/> Unable		6 1 <input type="checkbox"/> Some 2 <input type="checkbox"/> A lot 3 <input type="checkbox"/> Unable			
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Source of help	Paid	Source of help	Paid	Source of help	Paid	Source of help	Paid		
59-62	63-66	76-79	80-83	93-96	97-100	8-11	12-13		
HH member 1 <input type="checkbox"/> Relative ... 2 <input type="checkbox"/> Nonrelative .	0 <input type="checkbox"/> S/C/P (5) 1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No 1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No	HH member 1 <input type="checkbox"/> Relative ... 2 <input type="checkbox"/> Nonrelative .	0 <input type="checkbox"/> S/C/P (5) 1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No 1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No	HH member 1 <input type="checkbox"/> Relative ... 2 <input type="checkbox"/> Nonrelative .	0 <input type="checkbox"/> S/C/P (5) 1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No 1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No	HH member 1 <input type="checkbox"/> Relative ... 2 <input type="checkbox"/> Nonrelative .	0 <input type="checkbox"/> S/C/P (5) 1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No 1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No		
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1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No (2 for all with "YES" in 1)		67 1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No (2 for all with "YES" in 1)		84 1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No (2 for all with "YES" in 1)		101 1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No (2 for all with "YES" in 1)		16 1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No (END INTERVIEW)	
Special equipment or aids _____ 68-69 _____ 70-71		Special equipment or aids _____ 85-86 _____ 87-88		Special equipment or aids _____ 102-103 _____ 104-105		Special equipment or aids _____ 17-18 _____ 19-20			

FOOTNOTES

Appendix V

Definition of selected terms in the 1984 Supplement on Aging (Taken from the SOA Interviewer's Manual)

Community services

Meals on Wheels—A service that delivers hot meals to the persons in their homes.

Special meal program—Meals provided by a program or group on a regular or daily basis at a location outside the participants' homes.

Homemaker service—A program that provides help in the home with cleaning, cooking, and, sometimes, shopping.

Visiting nurse service—A registered nurse employed by a social service agency to provide medical care to persons in their homes.

Health aide—An individual, not a registered nurse or doctor (as defined by NHIS), employed in the health profession to provide medical or health assistance to people in their homes.

Adult day care or day care for the elderly—A place, operated by public or private funds, that provides day care for older persons on a nonresident basis.

Retirement terms

Retired (Completely, partially, or not at all)—These terms are respondent defined.

Retirement income—This term is respondent defined.

Dependent or survivor—Persons who receive payment as a result of their relationship to someone who is or was eligible for payments from some program.

Pension—Income paid following termination of work to a person who was employed by the particular business, company, or organization providing the benefits. Pensions may also be paid to the survivors of deceased employees.

Military retirement and Veterans Administration (VA) pensions—Income paid by the Federal Government to persons who retire from the military after 20 or more years of service as military retirement. Payments may be made to survivors. VA pensions differ from military retirement in that they are based on need, number of dependents, and nonservice connected disabilities or age. A VA pension received because of a disability should be reported in question 6. A VA pension received for other reasons should be reported as "some other source" in 3b. Interviewers probed for the distinction, if necessary.

Own work experience—Those persons who receive retirement income because they themselves have worked a certain number of years or otherwise are themselves eligible for the benefit.

Social Security—Includes such programs as retirement insurance and survivor's insurance that provides payments either because the person is eligible or is a dependent or survivor of someone who was eligible because of work experience.

Disability (in disability income)—This term is respondent defined.

Condition related terms

Ever—Present at any time in the person's life through the Sunday night prior to the day of interview. Onset during the interview week is not included.

Now—Present at any time during the past 2 weeks through the Sunday night prior to the day of interview.

Past 12 months—The period beginning with the 12-month date specified for this interview and ending the Sunday night prior to the day of interview.

ADL's and IADL's

Special equipment—Aids or devices used to assist the person in a particular activity, such as canes, walkers, artificial limbs, and special plates. It also includes modifications to the home environment, such as lowered or raised commodes, lowered or raised kitchen equipment, and ramps.

Getting outside—Moving from inside the unit to outside, including to a patio, porch, or to a building hallway. It does *not* imply any real movement or exertion once the person has reached the outside.

Bed—Anything used for lying down or sleeping including sofa, cot, or mattress.

Paid help—A voluntary reimbursement. It also includes cases where no cash is received but the helper gets pay-in-kind or room and board for the help.

Other terms

Adopted children—Children for whom the sample person has been voluntarily or legally declared as the mother, father, or legal guardian.

Stepchildren—Children of the sample person's spouse by a former marriage.

Stepbrother or stepsister—The son or daughter of the sample person's stepfather or stepmother.

Retirement community, building, or complex—A house or an apartment is considered to be a retirement community, building, or complex if there is a formal arrangement or rules setting aside a group of units for this use or purpose. A person is not residing in a retirement community, building, or complex only because the majority of people in the city, neighborhood, building, or complex are retired.

Medical services—Services provided on the premises by trained medical professionals, including doctors, nurses, or medical technicians.

Mortgage—A long-term loan with the property as security. A mortgage can be financed through a bank, a savings and loan, a mortgage loan company, or a private person. A “land contract,” “contract to purchase,” or “deed of trust” in which the buyer does not receive title until all or part of the price is paid is considered a mortgage.

Mortgage principal—The current principal still owed on the mortgage; the outstanding balance on the loan amount, excluding interest, at the time of the interview.

Volunteer work—Providing a service willingly and without pay for an organization or group. This includes activities such as collecting for the March of Dimes, overseeing playground activities, or working as a hospital volunteer or at church. It does not include such events as going to the store voluntarily for a neighbor or baby sitting if this activity is not through an organized group.

Aid—Equipment or devices used to assist the person in a particular activity, such as a cane or walker, artificial limb, etc. Also include as aids special shoes, chairs, structural modifications to the home such as railings on stairs or walls, and other things normally needed for performing the activity only if they are of special construction, design, etc. or were installed specifically to assist the person in accomplishing the activity.

Eyeglasses—Includes prescription eyeglasses as well as eyeglasses purchased at drug stores, variety stores, and so forth that did not require a prescription.

Prescription eyeglasses—Eyeglasses that were obtained for the sample person under the direction or recommendation of an eye specialist, such as an ophthalmologist, an optometrist, or an optician. It does not include eyeglasses prescribed for someone else.

Lens implant—Artificial lenses that are surgically and permanently placed inside the eye. This is sometimes referred to as an intraocular lens.

Hearing aid—A compact amplifier worn to aid one’s hearing. This does not include devices not worn by the person, such as telephone amplifiers.

Dizzy or dizziness—These terms are respondent defined.

Difficulty controlling bowels and/or urination—Difficulty controlling bowels includes accidentally soiling one’s self as well as chronic inability to empty the bowels, excluding occasional constipation. Difficulty controlling urination includes accidentally wetting one’s self, including occasional slight “leaking.”

Colostomy or urinary catheter or other device—Surgical openings and/or devices used to aid bowel movement or urination when the person has lost natural control of these functions through illness, disability, surgery, or other causes. This does not include enemas or suppositories as devices.

Help in taking care of this device—Personal assistance or supervision is required and/or received in operating, maintaining, or cleaning the device, in emptying the bag, and so forth.

In bed or chair all or most of the time—More than half of the hours the person usually is awake.

Nursing home—A place that provides nursing and/or personal care services in addition to room and board. Nursing care may include such services as providing injections, catheterization, bowel and/or bladder retraining, and blood pressure, pulse, and respiratory checks. Personal care services include help in performing daily activities such as eating, bathing, dressing, or walking. It does not include stays in convalescent homes, sanatoria, mental institutions, or similar places.

Times stayed in a nursing home—This refers to separate stays in a nursing home, not to the number of nights in a nursing home. If the person was moved (transferred) from one nursing home to another, include each as a separate stay, even if the stay was not overnight.

Physical activity—This term is respondent defined.

Exercise—Physical activity that the person consciously performs for the sake of his/her well being. The exercise does not have to be part of a formal program or prescribed activity. Exercise includes any kind of exercise such as walking, physical fitness programs, or sports.

Regular routine—Physical exercise performed on a recurring basis at fairly even intervals, consisting of some set type of physical activity. Examples are golfing every Thursday, walking around the block twice a day, or any other activity performed routinely for exercise.

Appendix VI

Selected information about the design and estimation of the 1984 NHIS Supplement on Aging

Table I. Annual weights in tape location 219–227 by age: 1984 NHIS Supplement on Aging

Item	Age in years at last birthday				
	55–64	Total	65 and over		
			65–74	75–84	85 and over
Mean	4,741	2,299	2,296	2,305	2,296
Median	4,485	2,174	2,174	2,168	2,171
Percentile:					
10th	4,162	2,015	2,025	2,117	2,015
25th	4,300	2,067	2,067	2,078	2,094
75th	4,711	2,257	2,236	2,278	2,278
90th	5,627	2,785	2,754	2,810	2,714
Range:					
High	19,279	9,105	8,827	9,105	8,876
Low	1,280	398	398	1,470	1,495

Table II. Design effects for selected data on the 1984 NHIS Supplement on Aging

Item	55–64 years	65 years and over		
		Total	Male	Female
Number of persons
Percent of persons:				
Ages 80 years and over	...	1.5678	1.0000	1.3212
Living alone	1.4742	1.9996	1.6921	1.7340
Percent of persons with:				
Some college	1.4334	1.5988	1.4564	1.3142
1 or more children	1.0000	1.9640	1.4791	1.4346
1 or more ADL's ¹	1.0000	1.6118	1.1952	1.3740
1 or more IADL's ²	1.0797	1.7226	1.0000	1.6698
1 or more bed days in past 12 months	1.1180	1.4663	1.2124	1.0755
1 or more hospital episodes in past 12 months	1.0000	1.0000	1.1794	1.0000
1 or more community services used in past 12 months	1.2551	2.0837	1.5796	1.4146
Average number of:				
Bed days (12 months)	1.0000	1.4072	1.2873	1.1623
Bed days (2-week recall)	1.0941	1.1110	1.0000	1.1260
Doctor contacts (2-week recall)	1.1082	1.0900	1.0000	1.0000
Acute conditions (2-week recall)	1.3088	1.0000	1.0000	1.0000

¹Activities of daily living.

²Instrumental activities of daily living.

NOTE: Design effects are the ratios of variances. For standard errors, take the square root.

Table III: Number of sample persons in the 1984 Supplement on Aging, by pseudoprimary sampling unit (PSU) and age

PSU	All ages	Age in years at last birthday				PSU	All ages	Age in years at last birthday			
		55-64	65-74	75-84	85 and over			55-64	65-74	75-84	85 and over
Total	16,148	4,651	7,093	3,578	826	70	32	10	13	8	1
1	22	7	8	5	2	71	37	10	14	9	4
2	20	5	8	5	2	72	29	11	12	4	2
3	32	14	9	9	0	73	39	11	16	8	4
4	13	4	4	3	2	74	31	8	12	10	1
5	35	11	14	9	1	75	23	3	9	8	3
6	47	11	23	9	4	76	19	4	6	8	1
7	34	9	15	10	0	77	18	7	5	5	1
8	38	10	18	8	2	78	28	7	11	7	3
9	47	12	23	10	2	79	23	5	11	6	1
10	32	8	14	8	2	80	26	11	8	6	1
11	21	5	8	6	2	81	20	3	6	8	3
12	94	11	44	35	4	82	21	11	7	2	1
13	32	6	13	11	2	83	24	7	9	6	2
14	33	12	14	6	1	84	36	8	15	8	5
15	27	8	15	4	0	85	39	12	18	7	2
16	40	7	17	14	2	86	25	5	10	7	3
17	23	8	11	4	0	87	25	6	13	5	1
18	26	7	13	6	0	88	15	4	7	4	0
19	40	9	18	11	2	89	23	8	10	5	0
20	37	12	13	9	3	90	26	6	15	5	0
21	78	23	37	15	3	91	22	7	9	6	0
22	87	26	34	22	5	92	26	9	10	6	1
23	133	45	62	21	5	93	23	2	13	8	0
24	158	40	75	30	13	94	17	5	7	5	0
25	132	35	61	27	9	95	9	5	2	1	1
26	128	46	52	25	5	96	30	10	3	11	6
27	154	57	62	24	11	97	28	11	9	5	3
28	184	62	77	37	8	98	45	13	17	13	2
29	181	53	76	43	9	99	30	10	13	5	2
30	226	70	104	43	9	100	15	6	3	6	0
31	187	77	72	33	5	101	36	11	9	10	6
32	170	49	71	41	9	102	34	13	12	7	2
33	77	26	32	18	1	103	23	8	10	5	0
34	72	13	33	22	4	104	26	9	5	9	3
35	111	34	43	26	8	105	20	4	10	4	2
36	112	33	54	18	7	106	52	5	18	22	7
37	104	26	51	23	4	107	26	1	16	6	3
38	114	34	47	26	7	108	14	7	3	4	0
39	173	51	87	25	10	109	23	5	13	4	1
40	210	63	96	42	9	110	24	11	8	5	0
41	157	56	70	27	4	111	47	13	22	12	0
42	168	38	91	34	5	112	23	7	10	5	1
43	27	6	9	12	0	113	30	7	16	7	0
44	24	8	10	6	0	114	26	7	10	7	2
45	16	6	6	2	2	115	121	38	56	21	6
46	28	6	15	4	3	116	109	21	52	26	10
47	41	9	22	7	3	117	128	36	58	23	11
48	32	3	16	11	2	118	120	47	42	28	3
49	29	7	10	10	2	119	103	28	56	13	6
50	28	5	15	7	1	120	90	28	41	19	2
51	25	9	10	6	0	121	125	36	53	29	7
52	23	7	8	6	2	122	100	26	47	21	6
53	26	9	11	3	3	123	112	29	49	28	6
54	22	4	11	7	0	124	109	34	46	23	6
55	23	4	11	8	0	125	135	47	53	27	8
56	31	9	12	8	2	126	126	52	50	22	2
57	24	5	7	9	3	127	99	24	39	29	7
58	32	7	15	7	3	128	92	26	50	14	2
59	30	9	12	6	3	129	141	38	80	18	5
60	16	7	3	1	5	130	160	51	71	30	8
61	25	12	7	4	2	131	119	40	46	25	8
62	32	10	19	3	0	132	91	27	38	22	4
63	36	13	14	7	2	133	71	24	32	12	3
64	32	6	13	10	3	134	62	21	28	9	4
65	36	15	14	6	1	135	23	7	7	8	1
66	27	10	11	4	2	136	27	13	8	6	0
67	19	3	4	8	4	137	38	12	20	5	1
68	18	5	6	7	0	138	21	6	10	5	0
69	21	11	6	4	0	139	26	6	12	5	3
						140	25	8	10	5	2

Table III: Number of sample persons in the 1984 Supplement on Aging, by pseudoprimary sampling unit (PSU) and age—Con.

PSU	All ages	Age in years at last birthday				PSU	All ages	Age in years at last birthday			
		55-64	65-74	75-84	85 and over			55-64	65-74	75-84	85 and over
141.....	24	10	10	4	0	212.....	35	9	13	11	2
142.....	39	8	20	10	1	213.....	22	7	8	6	1
143.....	31	13	11	4	3	214.....	21	3	7	10	1
144.....	52	12	26	12	2	215.....	37	7	22	7	1
145.....	25	5	10	6	4	216.....	25	6	9	7	3
146.....	27	4	18	4	1	217.....	21	4	14	3	0
147.....	42	7	21	11	3	218.....	23	7	13	2	1
148.....	28	7	10	9	2	219.....	33	8	14	10	1
149.....	35	11	19	5	0	220.....	20	9	7	3	1
150.....	27	6	13	7	1	221.....	43	10	18	15	0
151.....	34	10	16	7	1	222.....	40	10	20	9	1
152.....	36	8	19	9	0	223.....	20	6	10	3	1
153.....	55	10	36	9	0	224.....	48	14	18	14	2
154.....	35	10	20	5	0	225.....	24	8	12	3	1
155.....	16	7	6	3	0	226.....	37	18	9	9	1
156.....	24	7	12	4	1	227.....	35	11	17	4	3
157.....	22	7	9	4	2	228.....	35	7	20	5	3
158.....	30	12	10	5	3	229.....	32	6	17	7	2
159.....	31	8	17	6	0	230.....	18	4	8	6	0
160.....	51	10	24	8	9	231.....	32	6	16	9	1
161.....	27	10	9	7	1	232.....	25	2	14	8	1
162.....	30	10	15	4	1	233.....	22	6	12	2	2
163.....	13	8	5	0	0	234.....	29	11	8	8	2
164.....	28	7	9	10	2	235.....	36	8	15	10	3
165.....	51	18	23	8	2	236.....	60	9	34	17	0
166.....	25	6	15	3	1	237.....	126	38	41	43	4
167.....	31	6	15	8	2	238.....	129	43	60	22	4
168.....	21	3	8	10	0	239.....	94	28	44	17	5
169.....	22	3	12	6	1	240.....	107	24	53	26	4
170.....	33	4	16	12	1	241.....	110	43	43	15	9
171.....	28	7	14	6	1	242.....	119	47	41	26	5
172.....	25	9	10	4	2	243.....	69	21	32	13	3
173.....	24	10	8	3	3	244.....	73	21	30	19	3
174.....	20	7	9	4	0	245.....	107	29	48	28	2
175.....	25	4	8	13	0	246.....	112	38	45	24	5
176.....	6	3	0	3	0	247.....	84	32	35	14	3
177.....	25	9	6	6	4	248.....	109	30	51	21	7
178.....	19	5	7	7	0	249.....	105	29	52	22	2
179.....	23	9	12	1	1	250.....	115	38	50	25	2
180.....	22	8	6	6	2	251.....	119	40	47	24	8
181.....	21	6	8	6	1	252.....	126	36	56	26	8
182.....	18	3	8	7	0	253.....	254	67	107	67	13
183.....	16	6	6	4	0	254.....	279	64	119	84	12
184.....	26	8	13	3	2	255.....	61	13	30	14	4
185.....	38	14	18	5	1	256.....	59	15	32	11	1
186.....	28	8	15	3	2	257.....	41	13	13	15	0
187.....	39	9	26	3	1	258.....	62	14	35	10	3
188.....	14	2	10	2	0	259.....	36	9	17	10	0
189.....	38	10	24	3	1	260.....	71	16	43	9	3
190.....	30	8	16	6	0	261.....	45	11	22	11	1
191.....	18	7	9	2	0	262.....	32	10	9	11	2
192.....	19	6	9	4	0	263.....	38	12	19	6	1
193.....	86	16	46	18	6	264.....	40	10	16	14	0
194.....	28	8	14	6	0	265.....	39	8	18	6	7
195.....	16	3	5	6	2	266.....	31	2	19	8	2
196.....	32	8	8	13	3	267.....	25	5	16	3	1
197.....	11	3	6	2	0	268.....	19	6	10	2	1
198.....	23	9	9	4	1	269.....	28	8	11	9	0
199.....	20	2	6	8	4	270.....	52	13	22	14	3
200.....	62	11	28	18	5	271.....	29	7	15	6	1
201.....	26	7	8	10	1	272.....	15	8	6	1	0
202.....	31	5	18	4	4	273.....	28	10	10	5	3
203.....	33	9	11	10	3	274.....	32	9	16	7	0
204.....	23	6	10	5	2	275.....	12	2	6	3	1
205.....	29	12	8	8	1	276.....	27	9	10	7	1
206.....	42	11	11	18	2	277.....	35	13	16	4	2
207.....	28	6	17	4	1	278.....	14	5	5	4	0
208.....	26	8	8	9	1	279.....	23	6	9	5	3
209.....	27	7	16	3	1	280.....	5	0	5	0	0
210.....	34	11	13	9	1	281.....	31	10	12	8	1
211.....	21	6	11	4	0	282.....	24	10	7	6	1

Table III: Number of sample persons in the 1984 Supplement on Aging, by pseudoprimary sampling unit (PSU) and age—Con.

<i>PSU</i>	<i>All ages</i>	<i>Age in years at last birthday</i>				<i>PSU</i>	<i>All ages</i>	<i>Age in years at last birthday</i>			
		<i>55-64</i>	<i>65-74</i>	<i>75-84</i>	<i>85 and over</i>			<i>55-64</i>	<i>65-74</i>	<i>75-84</i>	<i>85 and over</i>
283.....	157	40	69	31	17	291.....	112	30	49	24	9
284.....	158	52	66	34	6	292.....	119	24	67	24	4
285.....	143	40	58	37	8	293.....	186	49	82	44	11
286.....	136	31	62	32	11	294.....	141	45	63	30	3
287.....	99	28	44	22	5	295.....	106	36	42	24	4
288.....	81	23	37	17	4	296.....	81	21	39	15	6
289.....	150	44	54	42	10	297.....	109	32	46	26	5
290.....	122	43	54	20	5	298.....	106	36	39	24	7

Appendix VII

Examples using SAS

These examples are all based on the assumption that the following scheme has been used to convert the public-use person file for the Supplement on Aging to a SAS file named NEW.SOA

- P# = variable from the Basic NHIS persons' file with # indicates the first field of the tape location.
- xWGT = a weight with x indicating the kind of weight.
- PSU = pseudo primary sampling unit.
- S# = variable from the SOA with # indicating the first field of the tape location.

The input statement would have the format:

```
INPUT ;
INFILE
P25 25 P27 27-28
PSU 187-189
QWGT 201-209 SWGT 210-218
AWGT 219-227
BDWGT 246-254
S404 404 S409 409-410 . . . ;
```

IF statements or other recoding statements:

- (1) to change the unknowns and nonresponse (usually, but not always, coded as "9" on NHIS tapes) to a SAS format for unknowns, and
- (2) to create recodes.

*The user should be careful not to confuse data not recorded because of a skip pattern with data not recorded because the person did not answer the question.

*Recodes are optional; however, the following one is needed to estimate variances:

```
STRATUM = PSU/2 + 0.5 ;
STRATUM = INT(STRATUM) ;
LENGTH 3 ;
*sets 3 as the default to save space;
LENGTH QWGT SWGT AWGT BWGT 8 ;
*the weights need more space;
LABEL and other statements as desired ;
```

Examples of national estimates

```
DATA ;
SET NEW.SOA ;
PROC FREQ ;
```

TABLES

```
S404 * P111 / NOROW NOCOL NOPERCENT:
WEIGHT AWGT ;
TITLE1 'The number of people age 55 and over' ;
TITLE2 'according to the number of bed days' ;
TITLE3 'in the preceding year' ;
DATA ;
SET NEW.SOA ;
NEWWGT = P132 * SWGT ;
PROC FREQ ;
TABLES
S404 * P111 ;
WEIGHT NEWWGT ;
TITLE1 'The number of people age 55 and over' ;
TITLE2 'according to the number of bed days' ;
TITLE3 'in the preceding year' ;
```

Tables can be made much more sophisticated by changing the options, recoding variables, or using PROC TABULATE. Note that in PROC TABULATE if any records have missing values for one variable in the table, those records will be deleted from the entire table.

Users producing tables under such procedures will have to rely on the NHIS variance curves or on average design effects to make adjustments for the sample design if they wish to show confidence intervals or to test hypotheses.

DO NOT rely on the test statistics that can be produced from such tables when weighted. Test statistics that are produced by options are incorrect because (a) they are based on assumptions of simple random sampling and equal probability of selection, and (b) the programs assume that the weighted sample is the true sample.

Examples of national estimates with standard errors

By using SESUDAAN,⁴² which runs under SAS but is not available from the SAS Institute, analysts can obtain estimated standard errors for each point estimate. The program also produces design effects if requested as they are in the sample. Data *must* be sorted by stratum and PSU for the program to work properly.

```
DATA ;
SET NEW.SOA ;
```

NOTE: A list of references follows the text.

```
PROC SORT ;
  BY STRATUM PSU ;
PROC SESUDAAN ALLFOILS DEFT
  PSULVL = 2 STRLVL = 1 ;
  REPORT P25 P43 P64 S404 ;
  LEVELS 2 3 4 7 ;
ANALYSIS P71 ;
  FOILS 4 ;
NEST STRATUM PSU ;
WEIGHT AWGT ;
```

```
TABLES P25 P43 P64 S404
  P25 * P64
;
SETPRINT CWIDTH = 16 MEANDEC = 6
  PVALDEC = 6 DEFTDEC = 4 ;
TITLE1 'Sampling errors for estimated percent of people
  in each' ;
TITLE2 'limitation of activity group' ;
TITLE3 '1984 SOA people age 55 and over' ;
//
```

Appendix VIII

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