
(3) What is your current marital status? GIMSTAT

10 Married or living in a married-like relationship 40 Divorced
30 Separated 50 Single, never married
20 Widowed $\longrightarrow$
What is the date of your spouse's death?


Month


Day


Year
(4) Please tell us about your current living arrangement. Mark all that apply to you. 10 I live alone GILIVEA 10 I live with friend(s) or roommate(s) 10 l live in a nursing GILIVER 10 I live in a nursing home GILIVEH 10 I live in an assisted living center GILIVEN
1 I I live with other family members GILIVEF
(5) How long have you lived in this current living arrangement?
$\square$

GILIVEYR years
(6) During the last 12 months, have you, because of illness or injury, cut down on the things that you usually do, such as going to work or working around the house? ${ }^{\circ}$ Yes ${ }^{\circ}$ No MHREST
a. During the past 12 months, how many days did you cut down on the things that you usually do, because of illness or injury?
 days
b. During the past 12 months, of the number of days that you cut down on the things you usually do, for how many days did you stay in bed for more than half the day, because of illness or injury? (Include any days you spent in bed at home, in a nursing facility or as an overnight hospital patient.)

MHEESTED days

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|  | \begin{tabular}{\|l|l|l|l|l|l|l|l|l|}
\hline
\end{tabular} |  |  |

(1) Has a doctor or other health care provider ever told you that you had:
a. Diabetes? MHDIAB

10 Yes 00 No

Are you currently being treated for this by a doctor? © Yes © $\operatorname{CD}$

## MHDIABT

b. High thyroid, Graves disease or an overactive thyroid gland?

c. Low thyroid or an under active thyroid gland?


Are you currently being treated for this by a doctor? O_Yes ONo
d. Parkinson's disease?
$\varnothing$ Yes 0 No MHPARK

Are you currently being treated for this by a doctor? GYes QNo MHPARKT
e. Chronic obstuctive lung disease, chronic bronchitis, asthma, emphysema or COPD?


## f. Liver disease?


g. Osteoporosis, sometimes called thin or brittle bones?


IVIFOSTEOT

## h. Rheumatoid arthritis?


i. Osteoarthritis or degenerative arthritis?

a. Are you currently being treated for this by a doctor?
9 Yes 8 No MHOAT
b. In which joints did a doctor tell you that you had osteoarthritis? Mark all that apply.
MHOAHIP 10 Hip 10 Ankle MHOAANK
O Hand/fingers 10 Big toe
MHOAWRI
p Wrist
$\begin{array}{rr}\text { MHOABACK } & \text { p Back } \\ \text { MHOAKNE } & \text { o Knee }\end{array}$

MHOABTOF MHOASHO 10 Shoulder 10 NeckMHOANECK 10 Other MHOAOTH


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|       |  |  |  |  |

(1) Has a doctor or other health care provider ever told you that you had:
j. Angina (chest pain)?

- Yes o No MHANGIN

Are you currently being treated for this by a doctor? O Yes ○ No

MHANGINT
k. Heart attack, coronary or myocardial infarction?


Are you currently being treated for this by a doctor? O Yes ○ No

MHMIT
I. Congestive heart failure or enlarged heart? O Yes O No MHCHF

Are you currently being treated for this by a doctor? O Yes O No

MHCHFT
m. A stroke, blood clot in the brain or bleeding in the brain?

n. Hypertension or high blood pressure?


Are you currently being treated for this by a doctor? O Yes O No

MHBPT
o. Glaucoma?

(2) Has a doctor or other health care provider ever told you that you have cataracts?


Was this corrected?
MHCATT
10 Yes, left eye corrected
20 Yes, right eye
8 Yes, both eyes 00 No \& Don't know corrected
(3) How would you rate your current eyesight (with glasses or contact lenses if you wear them)?
to Excellent \& Good (3) Fair 40 Poor 50 Very poor 60 Completely blind MHEYESI

(4) Has a doctor or other health care provider ever told you that you have cancer? ○ Yes ○ No MHCANCER

Please specify the kind of cancer(s): Mark all that apply.
1 o Prostate cancer MHPC

$1 \circ$ Other cancer $\longrightarrow$ How old were you at MHOC first diagnosis?
 years old
(5) Has a doctor or other health care provider ever told you that you have chronic kidney (renal) disease or kidney (renal) failure?

## OYes O No <br> MHRENAL

Do you currently undergo dialysis? ○ Yes O No MHRENALT
6) Has a doctor or other health care provider ever told you that you have kidney stones? ○Yes ○ No MHKDNY
a. DURING THE PAST FIVE YEARS, how many times have you passed a stone (or had a kidney stone attack)?

b. Are you currently being treated for kidney stones?

- MPIFKONN9TR


(7)

Do you sometimes have trouble with dizziness?

a. How long have you had trouble with dizziness?

10 Less than 1 month 201 month to 1 year 30 More than 1 year
b. Would you describe your dizziness as: (Mark all that apply)

10 Feeling like you are about to faint or pass out? MHDZFNT
10 Feeling that you or the room are spinning around? MHDZSPIN
10 Feeling that you are losing your balance?
10 Other MHDZOTH
MHDZBAL
c. Is your dizziness troublesome enough to limit your activities, such as walking or other leisure activities?

O Yes O No MHDIZLMT
(8) During the past 12 months, have you fallen and landed on the floor or ground, or fallen and hit an object like a table or chair?
$\circ$
Yes
$\downarrow$
O No
MHFALL
a. How many times have you fallen in the past 12 months?

$$
101 \quad 20 \text { 2-3 } 304-5 \quad \$ 6 \text { or more } \quad \text { MHFALLTM }
$$

b. Which of the following injuries did you have? (Mark all that apply)

MHFRACT OI broke or fractured a bone
MHHEAD MHSPRAIN
dI hit or injured my head ${ }^{1} 1$ had a sprain or a strain

1 O I had a bruise or bleeding MHBRUISE
1 O I had some other kind of injurMHOTHER
1 O Idid not have any injuries from a fall in the past 12 months MHNOINJR
(9) When you try to relax in the evening or sleep at night, do you ever have unpleasant, restless feelings in your legs that can be relieved by walking or movement?

O Yes O No

## SLRLEGS


(10) During the past 12 months, have you been trying to lose weight?

○ Yes o No MHWTLOSS

(11) Have you ever had hip replacement surgery where all or part of your hip joint was replaced?

(12) Did your natural mother develop a "dowager's hump" or a spine that was
(13) Did your natural father develop a "dowager's hump" or a spine that was

## FFMHUMP

stooped or bent forward? stooped or bent forward?

$$
\circ_{1}^{\circ} \mathrm{Yes} \bigcirc_{0}^{\circ} \mathrm{No} \quad{ }_{8}^{\circ} \text { Don't Know }
$$

$$
\mathrm{O}_{1} \text { Yes } \quad \mathrm{O}_{0} \text { No } \quad \mathrm{O}_{8} \text { Don't Know }
$$

FFDHUMP


Draft
(1) Over the past month, how often have you had a sensation of not emptying your bladder completely after you finish urinating? PSEMPTY $0^{\circ}$ Not at all $\begin{aligned} & P \text { Less than } \\ & 1 \text { time in } 5\end{aligned} 20 \begin{gathered}\text { Less than } \\ \text { half the time }\end{gathered} 3^{\circ}$ About half 40 More than 50 Almost always
(2) Over the past month, how often have you had to urinate again less than two hours after you finished urinating? PSAGAIN

| © Not at all | $\Phi$ Less than | D Less than | 30 About half | ¢ More than | 5 Almost always |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | 1 time in 5 | half the time | the time | half the time |  |

(3) JHPSEMPTYOver the past month, how often have you found you stopped and started again several times when you urinated? PSSTOP
$\circledast$ Not at all $\Phi$ Less than 2 Less than 30 About half $\$$ More than 5 Almost always 1 time in 5 half the time the time half the time
(4) Over the past month, how often have you found it difficult to postpone urination?

PSPOST

(5) Over the past month, how often have you had a weak urinary stream?

00 Not at all $\mathbb{P}$ Less than 20 Less than 30 About half 40 More than 50 Almost always 1 time in 5 half the time the time half the time
(6) Over the past month, how often have you had to push or strain to begin urination?
(7) Over the past month, how many times did you most typically get up to urinate from the time you went to bed at night until the time you got up in the morning?

## PSUP

Oo None 101 time 32 times 33 times 404 times 505 times or more
(8) If you were to spend the rest of your life with your urinary condition just the way it is now, how would you feel about that? PSQL
8 Delighted $\uparrow$ Pleased © Mostly 30 Mixed, about equally 40 Mostly 50 Unhappy © Terrible satisfied satisfied and dissatisfied unsatisfied

(9) A digital rectal exam is an exam in which a doctor, nurse, or other health professional places a gloved finger into the rectum to feel the size, shape, and hardness of the prostate gland. Have you ever had a digital rectal exam?


In the past two years, has a doctor or other health care provider checked your prostate by a digital rectal exam?
○ Yes ○ No PSDRELV
(10) Has a doctor or other health care provider told you that you have or had an enlarged prostate, also known as benign prostatic hyperplasia (BPH)? This means an enlarged prostate that is NOT due to cancer.

## - Yes o No PSBPH <br> $\downarrow$

Treatments for BPH usually are to improve urinary symptoms and flow. Have you ever had treatment for BPH?

- Yes O No PSBPHT1
$\downarrow$
What type of treatment have you received? (Mark all that apply)
PSTSURG1 10 Surgery (laser surgery or transurethral resection of the prostate, sometimes called TURP or roto-rooter)
PSTMEDS 10 Prescription Medications
PSTOTH 10 Other
(11) Has a doctor or other health care provider told you that you had or have prostatitis (inflammation or infection of the prostate)?
 MHPROST

Are you currently being treated for this condition by a doctor?
O Yes O No MHPROSTT

(25) Erectile dysfunction (sometimes called impotence) means not being able to get and keep an erection that is rigid enough for satisfactory sexual activity. How would you describe yourself? SFEDYSF

O Not impotent (always able to 1 get and keep an 2 erection good enough for sexual intercourse)

O Minimally impotent (usually able to get and keep an erection good enough for sexual intercourse)


O Moderately impotent
(sometimes able
3 to get and keep an erection good enough for sexual intercourse)

O Completely impotent (never able to get
4 and keep an erection good enough for sexual intercourse) $\downarrow$

## When did you start having difficulty getting and keeping an erection

 rigid enough for satisfactory sexual activity? SFTRBEREO One year or less
1
O More than 1 year
2 but not as much as 5 years
O At least 5 years
O 10 years or more
3 but not as much
4
(26) How many of your adult teeth, not including your wisdom teeth, have been removed? If the only teeth you have had removed are your wisdom teeth, please check 'None'. DQREMOVE
o None
O 1-5 teeth
1
O 6 or more, but not all teeth
O All of my teeth have been removed 2
3
$\downarrow 4$
a. How old were you when your last tooth was removed?


DQAGEREM
years
b. How often do you wear dentures? DQODENT
$\bigcirc \underset{1}{\circ} \mathrm{Most}$ of the time $\underset{2}{\circ} \underset{2}{\text { Occasionally }} \quad \begin{gathered}\text { O Never } \\ 3\end{gathered}$

Draft
(1) Compared to other people your own age, how would you rate your

## QLCOMP

 overall health? QLHEALTH

The following questions are about activities you might do during a typical day. Does your health now limit you in these activities? If so, how much?
(2) Moderate activities, such as moving a table, pushing a vacuum cleaner, bowling or playing golf?
(3) Climbing several flights of stairs?
4) During the past 4 weeks, have you had any of the following problems with your work or other regular daily activities because of your physical health?
a. Accomplished less than you would like
QLACCOM

- Yes
- No
QLPCS12
b. Were limited in the kind of work or other activities
- Yes ONo
QLMCS12


## QLKIND

(5) During the past 4 weeks, have you had any of the following problems with your work or other regular daily activities because of any emotional problems (such as feeling depressed or anxious)?

QLACCLV
a. Accomplished less than you would like

OYes ONo
b. Didn't do work or other activities as carefully as usual

- Yes O No QLCARE
(6) During the past 4 weeks, how much did pain interfere with your normal work (including both work outside the home and housework)?
00 Not at all 10 A little bit 20 Moderately 30 Quite a bit 40 Extremely QLPAIN
(7) These questions are about how you feel and how things have been with you during the past 4 weeks. For each question, please give the one answer that comes closest to the way you have been feeling. How much of the time during the past 4 weeks...
a. Have you felt calm and peaceful?
5 All of $\mathbb{A}$ Most of 8 A good bit of the time the time the time the time the time the time
D A little of
© None of
CALM
b. Did you have a lot of energy? QLENERGY

50 All of $\mathbb{4}$ Most of 8 A good bit of 20 Some of 10 A little of 00 None of the time the time the time the time the time the time
c. Have you felt downhearted and blue? QLBLUE

5 All of $\$$ Most of \& A good bit of 20 Some of $\mathcal{P}$ A little of © None of the time the time the time the time the time the time
(8) During the past 4 weeks, how much of the time has your physical health or emotional problems interfered with your social activities (like visiting friends, relatives, etc.)?

QLSOCIAL
4 ○ All of the time
3 O Most of the time
2 ○ Some of the time
$1 \circ \mathrm{~A}$ little of the time
0 O None of the time
(9) How often do you go to religious meetings or services?

0 O Never or almost never
4 O Less than once per month
3 ○ 1-3 times per month

2 O Once per week
1 O More than 1 time per week
(10) How many hours each week do you participate in any groups such as social or work group, church-connected group, self-help group, charity, public service or community group?

0 O None
$1 \circ$ 1-2 hours per week
$2 \circ 3-5$ hours per week

3 O 6-10 hours per wheek
4 O 11-15 hours per week
$5 \bigcirc 16$ or more hours per week

Draft

(11) Is there one special person you know that you feel very close to; someone you feel you can share confidences and feelings with?
o Yes o No SNCLOSE
How often do you see or talk with this person? SNCLNUM
10 Daily 20 Weekly 30 Monthly 40 Several times per year 50 Less than once a year
(12) Do you have any children who are still living?

- Yes
- No FFCHILD
a. How many living children do you have? FFCHILDS 101 202 ஒ3 404 505 606 707 \& 8 g०9 1010 or more
b. How many of your children do you see at least once a month?

(13) Apart from your children, how many relatives do you have with whom you feel close?

00 None $101-2 \quad 203-5 \quad 306-9 \quad 4010$ or more
(14) How many close relatives do you see at least once a month?

OO None $\quad$ P1-2 203 3-5 306 6-9 10 or more SNRELMO
(15) How many close friends do you have?

00 None p 1-2 203 3-5 306 6-9 10 or more SNFRIEND
(16) How many close friends do you see at least once a month?

00 None $101-2 \quad 203-5 \quad 306-9 \quad 4010$ or more SNFRIMO

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(1) Within the past 12 months, has your spouse or partner been seriously ill or had a serious accident?

> ○ Yes ○ No SEACDENT
(2) Within the past 12 months, have you lost any other close relative or very close friend through death?

O Yes O No
SEDEATH
(3) Within the past 12 months, have you been separated from a child, close friend or relative whom you depend on for help?

- Yes o No SESEP
(4) Within the past $\mathbf{1 2}$ months, did you lose a pet?

> O Yes O No SEPET
(5) Within the past 12 months, have you given up a hobby or activity that important to you?

- Yes ○ No SEHOBBY
(6) Within the past 12 months, have you experienced serious financial trouble?

O Yes O No SEMONEY
(7) Within the past 12 months, have you moved or changed residences?

OYes O No
SEMOVED
(8) Within the past 12 months, did anything else happen to you, either good or bad, that was very important to you?

- Yes O No

SEBADGOO


The next few questions ask about your physical activity during the last 7 days. If the last 7 days have not been typical because of illness or bad weather, please estimate based on two or three weeks ago.
(1) Over the past 7 days, how often did you participate in sitting activities such as reading, watching TV or doing handcrafts?


On average, how many hours per day did you engage in these sitting activities? $\mathcal{P}$ Less than 1 hour 2 Between 1 and 2 hours $\quad 302$ hours $\quad \mathbb{P}$ More than 4 hours

## PASITT

(2) Over the past 7 days, how often did you take a walk outside your home or yard for any reason? For example, for fun or exercise, walking to work, walking the dog, etc.?

| ${ }^{\circ} \mathrm{O}$ Neve | 10 Seldom ( $1-2$ days) 20 Sometimes ( $3-4$ days) 30 Often ( $5-7$ days) PAWALK | PAWALKW |
| :---: | :---: | :---: |
| $\begin{array}{c\|} \text { Go to } \\ \text { Question 3 } \end{array}$ | What were these activities? |  |
|  | On average, how many hours per day did you spend walking? <br> 10 Less than 1 hour 20 Between 1 and 2 hours $302-4$ hours 40 More than 4 hours | On average, how many hours per day did you spend walking? |

## PAWALKT

(3) Over the past 7 days, how often did you engage in light sport or recreational activities such as bowling, golf with a cart, shuffleboard, fishing from a boat or pier, or other similar activities?

| ${ }^{0} \mathrm{D}$ Never | 10 Seldom ( $1-2$ days) 20 Sometimes ( $3-4$ days) | 30 Often (5-7 days) | PALTE |
| :---: | :---: | :---: | :---: |
| $\begin{array}{c\|} \text { Go to } \\ \text { Question } 4 \end{array}$ | What were these activities? |  |  |
|  | On average, how many hours per day did you engage in these light sport or recreational activities? <br> 10 Less than 1 hour 20 Between 1 and 2 hours 302-4 hours 40 More than 4 hours |  |  |

PALTET

(4) Over the past 7 days, how often did you engage in moderate sport and recreational activities such as doubles tennis, ballroom dancing, hunting, ice skating, golf without a cart, softball or other similar activities?


What were these activities? $\qquad$

On average, how many hours per day did you engage in these moderate sport or recreational activities?
10 Less than 1 hour 20 Between 1 and 2 hours $302-4$ hours 40 More than 4 hours
(5) Over the past 7 days, how often did you engage in strenuous sport and PAMODT recreational activities such as jogging, swimming, cycling, singles tennis, aerobic exercise, skiing (downhill or cross country) or other similar activities?


What were these activities? $\qquad$

On average, how many hours per day did you engage in these strenuous sport or recreational activities?
10 Less than 1 hour 20 Between 1 and 2 hours $3^{0} 2-4$ hours $\quad 4$ More than 4 hours PASTRT
6) Over the past 7 days, how often did you do any exercise specifically to increase muscle strength and endurance, such as lifting weights or pushups, etc.?


What were these activities?

On average, how many hours per day did you engage in exercises to increase muscle strength and endurance?

(7) During the past 7 days, have you done any light housework, such as dusting or washing dishes?

20 Yes 10 No<br>PALHW

## PALHWW

(8) During the past 7 days, have you done any heavy housework or chores, such as vacuuming, scrubbing floors, washing windows or carrying wood?

20 Yes 10 No PAHHW
PAHHWW
(9) During the past 7 days, did you engage in any of the following activities? (Please answer yes or no for each item.)
Home repairs, like painting, wallpapering, electrical work, etc.? 3 Yes
Lawn work or yard care, including snow or leaf removal, wood chopping, etc.?

Outdoor gardening?
Caring for another person, such as children, dependent spouse, or another adult?

- Yes ONo PALAWN
- Yes

PAHOMEW DNo PAHOME PALAWNW PAGARDEN

- No

PAGARDNW
$\circ$ Yes o NoPACARE
PACAREW

During the past 7 days did you work either for pay or as a volunteer?
$\circ$ Ye

- No
$\downarrow$
PAWK
PAWKW
a. How many hours in the past week did you work for pay and/or as a volunteer?
 hours
b. Which of the following categories best describes the amount of physical activity required on your job and/or volunteer work?
10 Mainly sitting with slight arm movements


## PAWKPA

Examples: office worker, watchmaker, seated assembly line worker, bus driver, etc.
20 Sitting or standing with some walking
Examples: cashier, general office worker, light tool and machinery worker
30 Walking, with some handling of materials generally weighing less than 50 pounds
Examples: mailman, waiter/waitress, construction worker, heavy tool and machinery worker
40 Walking and heavy manual work often requiring handling material weighing more than 50 pounds

Examples: lumberjack, stone mason, farm or general laborer.

## PASCORE

Draft
(1) How likely are you to doze off or fall asleep in the following situations, in contrast to feeling just tired? This refers to your usual way of life in recent times. Even if you have not done some of these things recently try to think about out how they would have affected you. Give the most appropriate response for each situation.

| Would <br> Never | Slight <br> Chance <br> of Dozing | Moderate <br> Chance of <br> Dozing | High <br> Chance |
| :--- | :---: | :---: | :---: |
| of Dozing |  |  |  |


| a. Sitting and reading EPREAD 00 | $p$ | 0 | 30 |
| :---: | :---: | :---: | :---: |
| b. Watching TV EPTV $0^{\circ}$ | 10 | $2^{\circ}$ | $3^{\circ}$ |
| c. Sitting inactive in a public place (e.g. a theater or a meeting) EPPUB | 16 | 20 | 30 |
| d. As a passenger in a car for an hour without a break EPCAR | $\varnothing$ | 8 | 30 |
| e. Lying down to rest in the afternoon when circumstances permit EPRES | $\Phi$ | 8 | 30 |
| f. Sitting and taking to someone | व | C2 | 3 |
| g. Sitting quietly after a lunch without alcohol | 10 | 20 | 30 |
| h. In a car, while stopped for a few minutes in traffic EPTRAF | 16 | 20 | 30 |

(2) Do pains in a joint or joints awaken you from sleep? ○ Yes o No SLJOINTP
a. How many times a night are you awaken with joint pains?

101 time 202-3 times 304 or more times SLJPTIME
b. The pain that awakened you from sleep is from which joints?

Mark all that apply.
10 Neck 10 Back 10 Knee 10 Hip 10 Other
SLJPNECK SLJPKNEE SLJPOTH

## EPEPWORT

 EPEDS

## Choose the best answer for how you felt over the LAST WEEK.


(1) Do you currently drink regular coffee? (Not decaffeinated)


## CFCAFF

How many cups of REGULAR coffee do you drink per day?

cups
(2) Do you currently drink regular tea? (Not herbal or decaffeinated)
o Yes
$\downarrow$
How many cups of REGULAR tea do you drink per day? $\square$ cups
(3) Do you currently drink sodas that contain caffeine, such as Pepsi, Coca-Cola, Dr. Pepper, and Mountain Dew? (Do NOT include Sprite or 7-up or other sodas without caffeine)
o Yes

- No
CFCCOK

How many cans of CAFFEINATED soda do you drink per day?


1 Do you smoke cigarettes now?

o No

About how many cigarettes do you smoke per day?

2 Do you currently smoke a pipe or cigars regularly?
○ Yes
$\downarrow$
o No
TUPIPEC

About how much do you smoke per week? $\square$ pipes or cigars per week

3 In the past 12 months, have you had at least 12 drinks of any kind of alcoholic beverage?

10
$\downarrow$
$\downarrow$ $\mathbb{O}$ No \&Idon't know TU12DRIN
On average, how many alcoholic drinks do you consume per week?
10 Less than one drink per week
20 1-2 drinks per week
30 3-5 drinks per week
TUDRAMT
40 6-13 drinks per week
5014 or more drinks per week
(1) During the past 12 months, have you had any back pain?
$\circ$

$\downarrow$
$\downarrow$

- No
BHPAIN
a. How often were you bothered by back pain in the past 12 months?
4o All the time
20 Some of the time
Ob Never
30 Most of the time
10 Rarely
BHFREQ
b. When you have had back pain, how bad was it on average? p Mild 2 Moderate 3 Severe BHSERV
c. In what part of your back is the pain usually located?
(Mark all areas that apply with an X on the diagram below)

(2) In the past 12 months, have you limited your activites because of pain in your back?

> | $\circ$ Yes $\circ$ ONo |
| :---: |
| $\downarrow$ |

a. How many days did you stay in bed (or lie down) at least half of the day because of your back?

b. How many days did you limit or cut down on your usual activities because of back pain? Do not include days in bed.



The following questions concern the amount of pain you have experienced in your hips. By hip pain, we mean pain in the groin and front and sides of the upper thigh. Do not include pain that was only in your lower back or buttocks.
(1) In the PAST 30 DAYS, have you experienced pain in your RIGHT HIP?

## - Yes ONo $\downarrow$ <br> BHRHIP

How much pain do you have in your RIGHT hip while...
BHRHWALK
a. Walking on a flat 00 None $\mathbb{D}$ Mild Q Moderate \& Severe $\mathbb{D}$ Extreme surface?
b. At night while in bed? $0 \circ$ None $\mathbb{P}$ Mild $\mathbb{Q}$ Moderate $\mathcal{Q}$ Severe $\mathbb{P}$ Extreme
c. Sitting or lying? BHRHSIT 1 Mild \& Moderate © Severe Extreme
d. Standing upright?

BHRHSTAN
0 O None $P$ Mild 2 Moderate $\bigcirc$ Severe $\uparrow$ Extreme
e. Putting on socks?
${ }^{\text {BHRHSOCK }}$ O Mild 2 Moderate 8 Severe

4 Extreme

g. Getting in or out of a car?

BHRHSTAI
 stairs?

## BHWPSR BHWPMR

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The following questions concern the amount of pain you have experienced in your hips. By hip pain, we mean pain in the groin and front and sides of the upper thigh. Do not include pain that was only in your lower back or buttocks.
(2) In the PAST 30 DAYS, have you experienced pain in your LEFT HIP?

## - Yes o No BHLHIP

 $\downarrow$How much pain do you have in your LEFT hip while...
a. Walking on a flat surface?
BHLHWALK
© None ol Mild OModerate © Severe © Extreme

c. Sitting or lying?
d. Standing upright? BHLHSTAN
00 None $P$ Mild 2 Moderate $\$$ Severe $\mathbb{P}$ Extreme BHLHSOCK
e. Putting on socks? $0^{\circ}$ None ${ }_{1}$ Mild
f. Getting in or out of a $0 \bigcirc$ None $p$ Mild 2 Moderate $\rho$ Severe $\&$ Extreme chair?
BHLHCAR
g. Getting in or out of
0 None $P$ Mild 2 Moderate 3 Severe $\$$ Extreme a car?
BHLHSTAI
h. Going up or down 00 None $\Phi$ Mild $Q$ Moderate $\quad \mathbb{S}$ Severe $q$ Extreme 50 Don't Do stairs?

## BHWPSL BHWPML

(1) Is participant willing to complete any part of the Visit 2 Clinic Exam, aside from the SAQ?

```
Why not? O Not interested/Too busy
    o Health Problems
    - Out of Area
    O Too many contacts from study
    o Caregiver responsibilities
    o Other
```

(2) Was the self-administered questionnaire completed?

| - Yes <br> $\downarrow$ | - No |  |
| :---: | :---: | :---: |
| Who completed the SAQ |  |  |
| 1 OParticipant 20 Spouse |  |  |
| $3 \bigcirc$ Other family 40 Clinic |  |  |
| $5 \bigcirc$ Other |  |  |

V2SAQC

V21FUTIM V2DFUTIM V2IFUTIM V2SFUTIM
(3) Visit Date:


Month


Day


Year

V2DATE

For participants who completed only the $S A Q$, use the date the $S A Q$ was received by the clinic as the Visit Date. For all other participants, use the date on which most of the clinic measures were completed for the Visit Date.


The following questions are about how well you are able to do certain activities, by yourself and without using any special aids.
(1) Do you have ANY difficulty walking 2 or 3 blocks outside on level ground?

(2)Do you have ANY difficulty climbing up 10 steps without resting?


QLS How much difficulty do you have doing this? 10 Some difficulty $2^{\mathrm{O}}$ Much difficulty $3^{\mathrm{O}}$ Unable to do it
(3)Do you have ANY difficulty preparing your own meals?

|  | $\begin{array}{\|l\|} \hline \text { QLMEL1 } \\ \text { QLMEL2 } \\ \text { QLRMEL1 } \end{array}$ |
| :---: | :---: |
| Is this because of a health or physical problem? <br> PYes O No 8 Idon't know | R |

(4)Do you have ANY difficulty doing heavy housework, like scrubbing floors or washing windows?


How much difficulty do you have doing this?
$\$ 50 \mathrm{~L}$ e difficulty 2 Much difficulty 3 Unable to do it


Is this because of a health
QLHHW1 QLHHW2
QLRHHW1 or physical problem? $\qquad$ PYes 0 No 8 I don't know
(5) Do you have ANY difficulty doing your own shopping for groceries or clothes?


QLSHP1
QLSHP2
QLRSHP
QLSH $\begin{aligned} & \text { How much difficulty do you have doing this? } \\ & \$ \text { Some difficulty } 2 \text { Much difficulty } 30 \text { Unable to do it }\end{aligned} \longrightarrow$


Draft


| Primary FATHER $\begin{gathered}\text { Alla are - } 1 \\ \text { Secondary }\end{gathered}$ |  |  |  |
| :---: | :---: | :---: | :---: |
| GIDAD1 | O None given GIDN |  |  |
| 10 English, Scotch, Welsh | O English, Scotch, Wwelisf NG |  |  |
| 20 French | O French GIDFREN | 20 French | O French GIMFREN |
| 30 German | O German KIDGER | 3 O German | O German GIMGER |
| 40 Greek | O Greek GIDGREEK | 40 Greek | O Greek GIMGREEK |
| 50 lish | lish GIDIRISH | 50 Irish | O lish GIMIRISH |
| 60 talian | O Itaian GIDITAL | 60 talian | O Italian GIMITAL |
| 70 Spanish, Portuguese | O Spanish, Portưy | 70 Spanish, Portuguese | O Spanish, Portugle |
| 80 Other European | O Other European | 80 Other European | O Other EuropealMOEUR |
| 90 czechoslovakian | - Czechosiovak(atM CZEC | 90 czechoslovakian | - Czechosolovakan |
| 100 Russian | O Russian GIDRUSS | 100 Russian | O Russian GIMRUSS |
| 11 O Other Eastern European | O Other Eastelly Puprokeur | 110 Other Eastern European | O Other Easlemelafour |
| 120 Swedish | O Swedish GIDSWED | 120 Swedish |  |
| 130 Other Scandinavian | O Other Scandirimban ScAN | 130 Other Scandinavian | $\bigcirc$ Other Scandinduan $5 C A N$ |
| Other Scandinavian includes: 140 American Indian | : Norwegian, Danish Aminnish | Other Scandinavian includes: 140 American Indian | Norwegian, Danish, Finnish American Ind ${ }^{\text {and }}$ AMIND |
| 150 Central American | O Central Afllmganmer | 150 Central American | O Central amieltuag imer |
| 160 Canadian (non-French) | O Canadian (rior-fench | 160 Canadian (non-French) | O Canadian (hion-French |
| 170 French Canadian | O French ${ }^{\text {cinanadicin }}$ | 170 French Canadian | $\bigcirc$ French Candalah $R$ C |
| 180 mexican | O Mexican GIDMEX | 180 Mexican | O Mexican GIMMEX |
| 190 Puerto Rican | O Puerto RicanGIDPRICA | 190 Puerto Rican | O Puerto Rican GIMPRICA |
| 200 South American | $\bigcirc$ O Southern GImerican ${ }^{\text {G/ }}$ | 200 South American | O Southernaimbeemblicr |
| 210 West Indian | O West Indian GIDWIND | 210 West Indian | O West Indian GIMWIND |
| 220 Chinese | O Chinese GIDCHINA | 220 Chinese | O Chinese GIMCHINA |
| 230 Indian, Pakistani | O Indian, Pakisfinl\|india | 230 Indian, Pakistani | O Indian, Pakistahilindia |
| 240 Japanese | O Japanese GIDJAP | 240 Japanese | O Japanese GIMJAP |
| 250 Filipino | O Filipino GIDFILI | 250 Filipino | O Filipino GIMFILI |
| 260 Pacific Islander | $\bigcirc$ Pacitic IslandildPAIS | 260 Pacific Islander | O Pacific islanderGIMPAIS |
| 270 Other Asian Countries | O Other Asian CIDIDOASIA | 270 Other Asian Countries | O other Asiancountila |
| 280 African | O African GIDAFRI | 280 African | $\bigcirc$ African GIMAFRI |
| 290 Midall Eastern | O Midale EasflyMMIDE | 290 Midall Eastern | O Midale Eastergimmide |
| $30^{\circ}$ Other. Please specity: | O Other. Please specity: GIDOTH | $30^{\circ}$ Other. Please specity: | O Other. Please specify: GIMOTH |
| 310 Unknown 880 Refused | O Unknowg GIDUNKN O Refused GIDREF | 310 Unknown 880 Refused | O Unknown GIMUNKN <br> O Refused GIMREF |
|  | PAGE 2 Version 1.003 .1 |  |  |



Introduction: 'Are you comfortable? I would like to ask you a few questions that require concentration and memory. Some are a little bit more difficult than others. Some questions will be asked more than once."

## TMTIMEM

What time was the MiniMental test administered (start time)?


1O A.M.
A. When were you born?

B. Where were you born? Place of Birth?

Answer Can't do/ Not given* Refused attempted $0 \quad 0$

O
City or town
$\overline{\text { State/Country }} 0$

* If answer is given, you wil ask again in questions \#18

I am going to say three words for you to remember. Repeat them after I have said all three words:

Shirt, Blue, Honesty
Do not repeat the words for the participant until after the first trial. The participant may give the words in any order. If there are errors on the first trial, repeat the items up to six times until they are learned.

Correct Error/ Not
Refused attempted
A. Shirt
○

| 0 | 0 |
| :--- | :--- |
| 0 | 0 |
| 0 | 0 |

C. Honesty
○
0
D. Number of presentations necessary for the participant to repeat the sequence
(3) A. I would like you to count from 1 to 5.

O $\begin{aligned} & \text { Able to count } \\ & \text { forward }\end{aligned}$

- Unable to count forward
Say "1,2,3,4,5"
B. Now I would like you to count backwards from 5 to 1 .
$\square$


Record the response in the order given. Enter 99999 if no response.
(4) A. Spell 'world'.

Record the response in the order given. Enter XXXXX if no response.

O Able to spell


Say "Its spelled W-O-R-L-D"
B. Now spell world backwards
$\square$

$\square$


SEE PAGE 7 FOR
SCORING VARIABLES

(5)

What three words did I ask you to remember?

|  | O Spontaneous recall |
| :---: | :--- |
| A. Shirt | O Correct word, incorrect form |
|  | O After 'Something to wear.' |
|  | O After 'Shirt, shoes, sock' |
|  | O Unable to recall/refused |
|  | O Not attempted |


|  | O Spontaneous recall |
| :--- | :--- |
| B. Blue | O Correct word, incorrect form |
|  | $\circ$ After 'A color' |
|  | O After 'Blue, black, brown' |
|  | O Unable to recall/refused |
|  | Not attempted |


|  | O Spontaneous recall |
| :--- | :--- |
|  | O Correct word, incorrect form |
| C. Honesty | O After 'A good personal quality' |
|  | O After 'Honesty, charity, modesty' |
|  | O Unable to recall/refused |
|  | O Not attempted |

(6)
A. What is today's date?


Month


Day


Year
B. What is the day of the week?

O Correct
O Error/Refused
O Not attempted day of the week
C. What season of the year is it?

O Correct
O Error/Refused season
O Not attempted
(7) A. What state are we in?

O Correct
O Error/Refused state

O Not attempted

## B. What county are we in?

O Correct

- Error/Refused county

O Not attempted
C. What city/town are we in?
o Correct
O Error/Refused city/town
O Not attempted
D. Are we in a clinic, store, or home?

O Correct
O Error/Refused $\qquad$
O Not attempted


8 Point to the object or part of your own body and ask the participant to name it. Score 'Error/Refused' if the participant cannot name it within 2 seconds or gives an incorrect name.

| Correct | Error/ Not <br> Refused attempted |
| :--- | :--- |

A. Pencil: 'What is this?'
B. Watch: 'What is this?'
C. Forehead: 'What do you call this part of the face?'
D. Chin: 'And this part?'
E. Shoulder: 'And this part of the body?'
F. Elbow: 'And this part?' $\bigcirc \bigcirc \bigcirc$
G. Knuckle: 'And this part?' $\bigcirc \quad \bigcirc \quad \bigcirc$
(9) What animals have four legs? Tell me as many as you can.
Discontinue after 30 seconds. If the participant gives no reponse in 10 secs and there are at least 10 secs remaining, gently remind them (once only): 'What (other) animals have four legs?'. The first time an incorrect answer is provide, say 'l want four-legged animals.' Do not correct for subsequent errors.

Score (total correct responses)


Record correct responses:
$\qquad$
Record additional correct answers on a separate sheet

10
A. In what way are an arm and a leg alike?

O Limbs, extremities, appendages
O Lesser correct answer
(e.g., body parts, both bend, have joints)
O Error/Refused
O Not attempted
B. In what way are laughing and crying alike?

O Expressions of feelings, expressions of emotions
O Lesser correct answer (e.g., sounds, expressions, emotions, or other similar
O Error/Refused
O Not attempted
C. In what way are eating and sleeping alike?

O Necessary bodily functions, essential for life
O Lesser correct answer (e.g., bodily functions, relaxing, 'good for you' or other similar responses)
O Error/Refused
O Not attempted

## 11

Repeat what I say: 'I would like to go out.'
O Correct
O 1 or 2 words missed
O 3 or more words missed
O Not attempted

Draft


Draft
(12) Now repeat: 'No ifs, ands or buts.'

| Correct | Error/ Not |
| :--- | :--- | :--- |
|  | Refused attempted |

A. no ifs
0
O
0
B. ands
0
0
0
C. or buts
0
0
0

## 13 Hold up Card \#1 and say: 'Please do this.'

If participant does not close their eyes within 5 secs, prompt by pointing to the card and saying 'Read and do what this says.'

O Closes eyes without prompting
O Closes eyes after prompting
O Reads aloud, but does not close eyes
o Does not read aloud or close eyes/Refused
O Not attempted
(14) Please write the following sentence: I would like to go out.

Correct Error/ Not Refused attempted
A. would
0
0
B. like
0
0
O
O
0
0

Which hand does the participant use to write? If task not done, ask if they are right or left handed.

## 1 O Right 20 Left 30 Unknown

(15) Here is a drawing. Please copy the drawing onto this piece of paper.

## A. Pentagon 1

O 5 approximately equal sized sides

- 5 sides, but longest:shortest side is >2:1
- Nonpentagon enclosed figure
- 2 or more lines, but it is not an enclosed figure
- Less than 2 lines, Refused

O Not attempted

## B. Pentagon 2

- 5 approximately equal sized sides

O 5 sides, but longest:shortest side is >2:1
O Nonpentagon enclosed figure
O 2 or more lines, but it is not an enclosed figure

- Less than 2 lines, Refused

O Not attempted

## C. Intersection

O 4-cornered enclosure
O Not a 4-cornered enclosure
O No enclosure, Refused
O Not attempted, Disabled

Draft

(16) Refer to Question 14 to check whether the participant is right or left-handed.
Take this paper with your left hand (right for left-handed person), fold it in half using both hands, and hand it back to me.

Correct Error/ Not Refused attempted
A. Takes paper in correct hand

0

0
0
0 half
C. Hands paper back

0
O
0
(17) What three words did I ask you to remember earlier?

|  | O Spontaneous recall |
| :---: | :--- |
| A. Shirt | O Correct word, incorrect form |
|  | O After 'Something to wear' |
|  | O Unable to recall/refused |
|  | O Not attempted |


|  | O Spontaneous recall |
| :---: | :--- |
| B. Blue | O Correct word, incorrect form |
|  | O After 'A color' |
|  | O After 'Blue, black, brown.' |
|  | O Unable to recall/refused |
|  | O Not attempted |


|  | O Spontaneous recall |
| :--- | :--- |
|  | O Correct word, incorrect form |
| C. Honesty | O After 'A good personal quality' |
|  | O After 'Honesty, charity, modesty' |
|  | O Unable to recall/refused |
|  | O Not attempted |

(18) Would you please tell me again where you
were born?

|  | Does not <br> match/ | Not <br> Matches <br> Refused |
| :--- | :--- | :--- |
| attempted |  |  |

City or town

State/Country

19 Please indicate if the participant has any physical/functional disabilities or other problems which made it difficult or impossible to complete any of the tasks above. Check all that apply.

O Vision TMDIFFVI
O Hearing TMDIFFHE
O Writing problems due to injury or illness
O literacy/Lack of education TMDIFF/L
O Language TMDIFFLA
O Other: $\qquad$ TMDIFFOT

(2) Was the Trails B test administered?
O Did not complete sample test
O Yes $\mathrm{ONo} \rightarrow$ ORefused O Other
TBTEWHYN


## TBSCIRCLE

$\begin{array}{lll}\begin{array}{l}\text { Number of circles } \\ \text { connected } \\ \text { (maximum=25): }\end{array} & \square & \\ \begin{array}{ll}\text { \# of errors made } \\ \text { by participant } \\ \text { (max=5): }\end{array} & \square & \text { errors } \\ & \text { TBERROR }\end{array}$


Is the hand being used to complete Trails B the participant's usual or dominant hand for writing?

O Yes O No TBDOMH

Are there any peripheral injuries (e.g., crushed or missing fingers, broken bones in the hand) or other things that have occurred in the participant's life history that

TBAFFECT OYes ONo would adversely affect their ability to do the test?

Did the participant have a hand tremor (dominant hand)?
00 No 10 Mild 20 Marked TBTREM

| Minutes/Seconds to Seconds <br> Minutes <br> Minver |  |  |  |
| :--- | :--- | :--- | :--- |
| $1: 00$ | Seconds | Minutes | Seconds |
| $1: 15$ | 60 | $3: 00$ | 180 |
| $1: 30$ | 75 | $3: 15$ | 195 |
| $1: 45$ | 90 | $3: 30$ | 210 |
| $2: 00$ | 105 | $3: 45$ | 225 |
| $2: 15$ | 120 | $4: 00$ | 240 |
| $2: 30$ | 135 | $4: 15$ | 255 |
| $2: 45$ | 150 | $4: 30$ | 270 |
|  | 165 | $4: 45$ | 285 |

PAGE 8

(1) Was STANDING HEIGHT measured?

a. Is the participant standing sideways due to kyphosis? HWKYPHyes O No Measurement 1 HWMEEAS1 mm $\qquad$
b. Do Measurement 1 and Measurement 2 differ by 4 or more mm?

## Yes O No

 KHHWGT4Complete Measurements 3 \& 4

Measurement 3 HWM|EAS3 |  |  |  |
| :--- | :--- | :--- |


mm

## HWSHE/GH

(2) Was SITTING HEIGHT measured?


Explain: $\qquad$

Height of chair?
a. Is the participant sitting sideways due to kyphosis?

Measurement 1

HWM庐ASiS mm | $H Y / M E A S \$ S$ |  |
| ---: | ---: | ---: |
| Measurement 2 |  |

b. Do Measurement 1 and Measurement 2 differ by 4 or more mm?


Complete Measurements 3 \& 4


Measurement 4

mm
(3) Was WEIGHT measured?

| $H W B M I$ |
| :--- |
| $H W 12 B M I$ |
| $H W D 2 B M I$ |
| $H W S 2 B M I$ |




## Exclusion Criteria:

1 Has any pain or arthritis in your hands gotten worse recently?


2 Have you had any surgery on your hands or wrists in the past 3 months (12 weeks)?


GSFLAGEX

3
Right side

Trial 1
 kg

Refused
UD Unable, did not attempt

Trial 2
 kg
B Refused
UD Unable, did not attempt

4
Left side

Trial 1
 kg
Refused
(D) Unable, did not attempt

Trial 2

kg
B Refused
(b) Unable, did not attempt

GSGRPRAV


GSGRPLAV

## GSUNABLE



## INTRODUCTION/SCREENING QUESTIONS

1 Ask the participant: Do you use any walking aids, such as a cane? NFAIDS 10 No aids \& Cane or quad cane 30 Walker, wheelchair, leg brace, crutches

2 Does the participant have any of the following? If you are uncertain about one of following conditions, ask the participant. (Mark all that applv)

NFPARALY
10 Orthosis 10 Missing limbs 10 Prosthesis 10 Paralysis of extremity or side of body NFORTH

NFPROTHE
3 Ask the participant: Do you have any problems from recent surgery, injury or other health conditions that might prevent you from standing straight up from a chair or walking quickly?

NFPROB \begin{tabular}{l}

O Yes $\longrightarrow$\begin{tabular}{l}
O No

$\longrightarrow$

Tell the participant: "Before we do each test, I'll describe it to <br>
you. Please tell me if you think that you shouldn't attempt the <br>
test because of the problems you described."
\end{tabular} <br>

\hline
\end{tabular}

## SINGLE CHAIR STAND

4 Could the participant stand up one time unassisted? ${ }_{1} \mathrm{OYes}$


Do NOT perform Repeat Chair Stands. Go on to Six Meter Usual Pace

## REPEATED CHAIR STANDS

5 Did the participant complete all 5 stands?


NFSTDARM
NFSTAND1

## Office Use Only-MrOS ID\# 

## SIX METER USUAL PACE

NFSTPLGI NFWLKSPD NFWLKSPA NF6MWTM NF6MPACE NF6MPACA NF6MABLE NF12STPL NFD2STR2 NFS2STPL NF12WLKS NFD2WLKS NFS2WLKS NF126MWT NFD26MWT NFS26M WT NF126MPA

## NFWLKNA1

## Did the participant complete Trial 1?



## Did the participant complete Trial 2?

NFWLKNA2

## NFD26NFR2dm NARROW WALK

3 Did the participant successfully stay within the lines on Trial 1 (have 2 or less deviations)?

NFNWTIME
NFNWPACE
NFPCTDIF
NF12NWTI
NFD2NWTI
NFS2NWTI NF12NWPA NFD2NWPA NFS2NWPA NF12PTDF NFD2PTDF NFS2PTDF NFNWNUM NFNWABLE NFNWNUMA NFNWABLA

10 Yes 00 No, 3 or more deviations/Unable to complete 20 No, trial not attempted
Record time and number of steps:
 seconds


Aid used: 00 No aid 10 Straight cane 20 Quad cane 30 Walker 40 Crutch NFWLKAD2


Perform trial 3 only if trial 1 or trial 2 were marked 'No, 3 or more deviations/Unable to complete'
5 Did the participant successfully stay within the lines on Trial 3 (have 2 or less deviations)?
10 Yes 00 No, 3 or more deviations/Unable to complete 20 No, trial not attempted


NFNWKNA3
NFNWLKA3

Record time:


|  | Aid used: | 00 No aid |
| :--- | :--- | :--- |
| seconds | b Straight cane | P Crutch |
|  | D Quad cane | $\supset$ Walker |



1 Have you had a hip replaced in the last six months?


Which side have you had replaced? NPHIPSD
$\rho$ Left (Do not test left side) 20 Right (Do not test right side) 〕 Both (Do not test either side)

2 Was the testing done on the RIGHT side?



1


2


3


4
 watts

5


1
 watts

2
 watts

3
 watts
 watts

5
 watts

NPRMAX NPLMAX NPOM AX


Draft

> NP12RM NP12LM NP120M


1 Was a bone density measurement obtained for the spine?
${ }_{1} \mathrm{O}$ Yes $\quad 0^{\circ}$ No, unable $\quad 7^{\circ}$ No, refused
DXSP
Last 2 characters of scan ID \#: $\square$

2 Was a bone density measurement obtained for the whole body?
$1^{\circ}$ Yes $\quad 0^{\text {O No, unable }} \quad \quad 0^{\text {O No, refused }}$

DXWB
Last 2 characters of scan ID \#: $\square$
(3) Which hip was scanned at the MrOS baseline visit?
O Right
O Left

4 Which hip was scanned at this visit? (Leave blank if no scan this visit)
O Right
O Left

5 Was the same hip scanned at baseline and at this visit?



DXNOSCAN

6 Date of $\operatorname{scan}(s)$ : $\square$
$\square$
$\square$

7
Temperature of room during scan: DXQDTEMP $\square$ degrees Celsius

Draft


1 Did the participant have a thoracic spine x-ray?


2 Did the participant have a lumbar spine $x$-ray?


3 Did the participant have a hip x-ray?


Draft

Page 16-17: Ultrasound data is in U2 dataset.

*If uncertain on two or more joints per hand, obtain consensus with another examiner for all joints on that hand.
(1) Was the RIGHT hand examined? O Yes O No OARHAND

| Joint 1: | 10 Normal | 20 Bony Enlargement ${ }^{\text {a }}$ 3 3 Uncertain | 40 Unable to examine | $\begin{gathered} \text { PAIN? } \\ \text { OAFHP1O No } \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: |
| Joint 2: | O Normal | OBARy Enlargement o Uncertain | O Unable to examine | OAPMEs ${ }^{\text {P2o }}$ O |
| Joint 3: | O Normal | O Bony Enlargement ${ }^{\text {a }}$ O Uncertain | O Unable to examine | Ofill ${ }^{\text {O }}$ O No |
| Joint 4: | - Normal | - Bony Enlargement ○ Uncertain OARH4 | - Unable to examine | OARESP4o No |
| Joint 5: | - Normal | - Bony Enlargement ${ }^{\text {a }}$ - 0 Uncertain | - Unable to examine | es ${ }^{\text {P }}$ O No |
| Joint 6: | O Normal | OBpRy Enlargement 0 Uncertain | O Unable to examine | Elp6o No |
| Joint 7: | O Normal | O Bony Enlargement ${ }^{\text {a }}$ O Uncertain | O Unable to examine | OARESP7O No |
| Joint 8: | - Normal | KBony Enlargement o Uncertain | - Unable to examine | OZARIFIPNo |
| Joint 9: | - Normal | - Bony Enlargement 0 Uncertain QARHO $\qquad$ | - Unable to examine | Pes ${ }^{1 / 2}$ ○ No |
| Joint 10: | - Normal | - Bony Enlargement o Uncertain | - Unable to examine | OARHESTO No |



| Joint 1: | P Normal | OALH1 <br> 2 Bony Enlargement | $\bigcirc$ Uncertain | 4 Unable to examine | OALPAIN? |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Joint 2: | - Normal | O8Sony | O Uncertain | O Unable to examine | Ofliflp ${ }^{\text {a }}$ O No |
| Joint 3: | - Normal | - Bony Enlargenent | - Uncertain | - Unable to examine |  |
| Joint 4: | - Normal | ORAOny Enlargement | O Uncertain | - Unable to examine | O/atifliplo |
| Joint 5: | - Normal | - Bony Enlargement | - Uncertain | - Unable to examine | OATHIP5 ○ No |
| Joint 6: | - Normal | OBehy ${ }^{\text {a }}$ Enlargement | O Uncertain | O Unable to examine | OATPAP6 O No |
| Joint 7: | - Normal | - Bony Enlargement | - Uncertain | - Unable to examine | Oztiflp 0 No |
| Joint 8: | - Normal | OBAOny Enlargement | - Uncertain | - Unable to examine | Oztifipso ${ }^{\text {O }}$ |
| Joint 9: | - Normal | - Bony Enlargement | - Uncertain | - Unable to examine |  |
| Joint 10: | - Normal | 880ny Enlargement | - Uncertain | - Unable to examine | Oztiflig no |


(1) Has the participant had a RIGHT hip replacement?

O Yes ONo HERHIP
a. Was the RIGHT internal rotation pain exam done?

10 Yes 00 No 20 Refused $\downarrow$ HERROMP
Is this tender or painful? ○ Yes ○ No HERROMTE
Where does it hurt? O Groinlinside O Outside of leg Mark all that apply.
leg near hip near hip

$\qquad$


○ But HERBUTT S O Lower back O Don't know HER

b. Was the RIGHT trochanteric bursitis exam done?
 Is this tender or painful? HFRTBP
O Yes ONo
c. Was the RIGHT hip internal rotation exam completed? 1 O Yes 00 No 20 Refused


How many degrees was the limit of motion?

(2) Has the participant had a LEFT hip replacement?
$\circ$ Yes O No
HELHIP
a. Was the LEFT internal rotation pain exam done?

10 Yes 00 No 20 Refused HELROMP

b. Was the LEFT trochanteric bursitis exam done?

c. Was the LEFT hip internal rotation exam completed? HELROM

How many degrees was the limit of motion?



Page 20: Hip X-ray data is in HX2 dataset.

Sexual
Function

This questionnaire covers material that is sensitive and personal. Little is known about these matters and how they affect the quality of older men's lives. For some men, sexual activity is an important part of their lives; but for others it is not. To help us understand how these matters affect older men's lives, we would like you to answer the following questions from your own personal viewpoint. There are no right or wrong answers. Remember that strict confidentiality is assured.
(1) Do you currently have one or more sexual partner? SFPART

a. Over the PAST 6 MONTHS, how physically pleasureable has your relationship been with your main partner? SFPHYREL

b. Over the PAST 6 MONTHS, how emotionally satisfying has your relationship been with your main partner?

| $p$ Extremely | 2 Very | 3 Moderately | 4 S Slightly | $5^{\circ}$ Not at all |
| :---: | :---: | :---: | :---: | :---: |
| satisfying | satisfying | satisfying | satisfying | satisfying |

(2) How important a part of your overall life is sex? SFIMPORT

| P Extremely | 2 | 3 | 4 | $5^{\circ}$ |
| :---: | :---: | :---: | :---: | :---: |
| important | important | important | important |  |

(3) Over the PAST 6 MONTHS, on average, how often have you thought about sex? This may have included wanting to have sexual experience (masturbation or intercourse), planning to have sex, feeling frustrated due to a lack of sex, etc. SFTHINK

```
10 More than once a day 20 Once a day
302 or 3 times per week
```

40 Once a week
502 or 3 times per month
60 Once a month

70 Less than once per month $8^{\circ}$ Not at all

(4) Over the PAST 6 MONTHS, when you had sexual stimulation or intercourse how often did you have a feeling of orgasm or climax?

|  |  |  | SFOFTCL |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| (1) No sexual activity or intercourse | 10 Almost never or never | 20 A few times (much less than half the time) | 3 Sometimes (about half the time) | 4 Most times (much more than half the time) | 50 Almost always /always |

(5) Over the PAST 6 MONTHS, to what extent have you considered your ability to reach orgasm (to come) to be a problem? SFABILOR
$0^{\circ}$ No problem
10 Very small problem
20 Small problem
$3^{\circ}$ Medium problem
4 Large problem

6 Over the PAST 6 MONTHS, how often, on average, have you engaged in the following sexual activities?
a. Kissing or hugging with a partner? SFKISS

| 00 Not at all | 2 About once per week | 40 Daily |
| :--- | :--- | :--- |
| 10 Once or twice per month | 30 More than once per week |  |

b. Sexual touching or caressing with a partner? SFTOUCH
$0^{\circ}$ Not at all
$1^{\circ}$ Once or twice per month
c. Oral sex with a partner?

00 Not at all
10 Once or twice per month
$\bigcirc$ About once per week
3 More than once per week

## SFORAL

2 About once per week
3 More than once per week
$4^{\circ}$ Daily

40 Daily

SFSEX
2 About once per week 40 Daily
30 More than once per week
SFMAST
2 About once per week
40 Daily
30 More than once per week

Sexual
Function

(7) Over the PAST 6 MONTHS, have you engaged in sexual activities with a partner?


People engage in sexual activities with partners for many reasons. During the PAST 6 MONTHS, what were your reasons for having sex with your partner or partners?
a. To express love or affection
b. To relieve sexual tension or arousal O Yes O No SFRELIEV
c. Because my partner wanted me to

- Yes O No SFPWANT
e. For pleasure or enjoyment $\circ$ Yes $\circ$ No
SFPLEAS
Please continue on to the next page

O Yes O No
b
c. My partner is too tiredTIRE O Yes O No
d. I am not interestedinn sex ${ }^{\text {NT }}$ O Yes O No
e. My partner is not interested in sex
f. Sexual activity is painful for me
g. Sexual activity is painful for my partner

O Yes O No SFPNOINT

O Yes O No SFPAIN
People do not engage in sexual activities with partners for many reasons. During the PAST 6 MONTHS, what were your reasons for not having sex with your partner or partners?
a. I do not have a SFNOPRT partner at this time
b. I am too tired SFTIRE O Yes O No
d. I am not interested ${ }^{\text {in }}$ NQUT ${ }^{N T}$ OYes ONo

| e. My partner is not <br> interested in sex | O Yes O No |
| :--- | :---: |
| SFPNOINT |  |

h. I have another health problem that interferes with sex

O Yes O No
i. My partner has another health problem that interferes with sex

- Yes O No SFPHLTH
k. I am not confident that I can get and keep an erection O Yes O No satisfactory for sexual activity SFNOCONF
Go to question 13 on page 5

Sexual
Function

(8) Over the PAST 6 MONTHS, how do you rate your confidence that you could get and keep an erection? SFCONF

10 Very low 2 Low 30 Moderate 40 High 50 Very high

(9) Over the PAST 6 MONTHS, when you had erections with sexual stimulation, how often were your erections hard enough for penetration?

SFPENET
$\mathcal{P}$ No sexual activity $1^{\circ}$ Almost never

2 A few times or never

2 (much less than half the time)

3
Sometimes (about half the time)

Most times
(much more than 5 Almost always
half the time)
(10) Over the PAST 6 MONTHS, during sexual intercourse, how often were you able to maintain your erection after you had penetrated (entered) your partner?
(1) Did not attempt intercourse
SFOFERE
Almost never or never
20 A few times (much less than half the time)
3 Sometimes (about half the time)
O
Most times 50 Almost always (much more than /always half the time)
(11) Over the PAST 6 MONTHS, during sexual intercourse, how difficult was it to maintain your erection to the completion of intercourse?


Did not attempt
intercourse $\rho$

Extremely difficult Very difficult SFDIFERE
(12) Over the PAST 6 MONTHS, when you attempted sexual intercourse, how often was it satisfactory for you?

## SFSEXSAT

| (D) Did not attempt intercourse | 10 Almost never or never | 20 A few times (much less than half the time) | 3 Sometimes (about half the time) | 40 Most times (much more than half the time) | 50 Almost always /always |
| :---: | :---: | :---: | :---: | :---: | :---: |


(13) Over the PAST 6 MONTHS, to what extent have you considered your ability to get and keep erections a problem? SFABERE
$\mathcal{P}$ No problem $\underset{\text { problem }}{P}$ Very small $\underset{\text { problem }}{2} \underset{\text { problem }}{\text { Small }} \underset{\text { problem }}{\text { Medium }}$
(14) Have you ever been treated by a doctor or other healthcare provider for difficulty with erections?
$\circ$ Yes
$\downarrow$

How did the treatment impact your sexual relationship with your partner or partners?

## SFTRIMP

10 Improved $\quad 20$ No change 30 Worsened
(15) Over the PAST 6 MONTHS, how satisfied have you been with your overall sex life?

## SFSXLIFE

| 10 Very dissatisfied | 4P Moderately satisfied |
| :--- | :--- |
| 20 Moderately dissatisfied | 50 Very satisfied |

$3 \bigcirc$ About equally satisfied and dissatisfied
(16) Regardless of whether you are currently sexually active, which response best describes who you have generally had sex with over your adult life?

10 Have never had sex
20 Only with women
$3^{\circ}$ Mostly with women

40 Both men and women
50 Mostly with men
6 o Only with men

SFWHOSEX

