## Health Professionals Follow-up Study

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## Dear Colleagues,

This questionnaire marks the 20-year point in the Health Professionals Follow-Up Study, which began in 1986. During this time we have learned much about ways that diet and lifestyle factors can help reduce our risks of heart disease, stroke, and cancer, and promote healthy aging. This has only been possible because of your remarkable dedication, and that of other participants, to this research. The response to our 2004 questionnaire remained well above $90 \%$, ensuring the validity of information from this investigation.

During the past several years, new insights on risk factors for prostate and colon cancer have emerged from this study. Among men 65 years or older, higher consumption of lycopene ${ }^{(1,2)}$ (the red pigment in tomatoes), fish ${ }^{(3)}$ as well as vigorous physical activity ${ }^{(4)}$ were each associated with a lower risk of prostate cancer. Conversely, high doses of zinc supplements ( 100 mg per day or more) were related to increased risk of prostate cancer. ${ }^{(5)}$ Although some earlier studies had suggested higher risks of colon cancer with greater coffee consumption, we found no association. ${ }^{(6)}$ Aspirin use was associated with lower risk of colon adenomas, precursors for colon cancer, particularly among men who have a slow-acting form of a gene responsible for metabolizing aspirin. ${ }^{(7)}$ This finding needs replication, but suggests that it may be possible to identify individuals who would most benefit by the use of aspirin for cancer prevention. Further details on our findings will be included in our newsletter next year and are available on our website (www.hsph.harvard.edu/hpfs).

The attached 2006 questionnaire continues the critical follow-up of this study. Most importantly, we request information about the diagnosis of specific diseases since January 1, 2004. As always, all information provided on this questionnaire is strictly confidential and is used only for statistical purposes.

Again, I thank you for your participation in this research, which continues to provide new information on ways to reduce major illness in men.

Sincerely,

## Warta Willet

Walter Willets, MD
Principal Investigator

1. JNCI, 2002, Vol. 94, p. 391 (A prospective study of tomato products, lycopene, and prostate cancer risk).
2. Cancer Epidemiol Biomarkers Prev, 2004, Vol. 13, p. 260 (Plasma and dietary carotenoids, and the risk of prostate cancer: A nested case-control study).
3. Cancer Epidemiol Biomarkers Prev, 2003, Vol. 12, p. 64 (A prospective study of intake of fish and marine fatty acids and prostate cancer).
4. Arch Intern Med, 2005, Vol. 165, p. 1005 (A prospective study of physical activity and incident and fatal prostate cancer).
5. JNCI, 2003, Vol. 95, p. 1004 (Zinc supplement use and risk of prostate cancer).
6. JNCI, 2005, Vol. 97, p. 282 (Coffee, tea, and caffeine consumption and incidence of colon and rectal cancer).
7. JNCI, 2005, Vol. 97 , p. 457 (Genetic variants in the UGT1A6 enzyme, aspirin use, and the risk of colorectal adenoma)

Please reply to: HSPH 677 Huntington Avenue, Boston MA 02II5-5804 • (6I7) 998-1067

## PLEASE USE AN ORDINARY NO. 2 PENCIL TO ANSWER ALL QUESTIONS.

Fill in the appropriate response circles completely, or write the requested information in the boxes provided. The form is designed to be read by optical-scanning equipment, so it is important that you make NO STRAY MARKS and keep any write-in responses within the spaces provided. Should you need to change a response, erase the incorrect mark completely. If you have comments, please write them on a separate piece of paper.

## EXAMPLE 1: 23. Do you currently take multi-vitamins?



Please fill circle completely, do not mark this way:

$$
0 \quad x
$$

| b) What specific brand (or equivalency) do you usually take? |
| :--- |
| CVS D. Daily Multivitamin with Minerals <br> e.g. ARPP Alphabet II Formula 643 Multivitamins and Minerals |

Keep handwriting within borders of the response box.

> Federal research regulations require us to include the following information:
> There are no direct benefits to you from participating in this study.
> The risk of breach of confidentiality associated with participation in this study is very small.
> Your choice to participate in this study is completely voluntary and you may decline or withdraw at any time without penalty.
> You may skip any question you do not wish to answer.
> You will not receive monetary compensation for participating.
> If you have any questions regarding your rights as a research participant, you are encouraged to call a representative of the Human Subjects Committee at the Harvard School of Public Health ( $866-606-0573$ ).
> If you have any questions regarding your status in our study or a question pertaining to the questionnaire, please call the study Project Coordinator, Betsy Frost-Hawes, at $617-384-8657$.

## Thank you for completing the 2006 Health Professionals Follow-up Study questionnaire.

Please tear off the cover letter (to preserve confidentiality) and return the questionnaire in the enclosed prepaid envelope.

1. What is your current weight (pounds)?
2. Current Marital Status: Married Divorced/Separated Widowed Never married
3. Living Arrangement: Alone With wife With other family Assisted living $\bigcirc$ Nursing home
4. Work Status: 〇Full-time Part-time $\bigcirc$ Retired Disabled Onemployed
5. Do you currently smoke cigarettes? (exclude pipe or cigars)
6. In the past 2 .. a physical exam? years, have a rectal exam? an eye exam? ..... No
No ..... No
No
25-34 35-44
Yes, for symptoms
blood glucose check? ..... No
Yes, for symptoms
screening for PSA?
Yes, for symptoms
... a prostate biopsy or rectal ultrasound (for prostate exam)?Yes, for routine screeningYes, for routine screeningYes, for routine screeningYes, for routine screening6a. Initial reason(s) you had a colonoscopy/sigmoidoscopy?
Visible bloodDiarrhea/constipation
Abdominal painBarium enemaFamily history of colon cancer
Prior polyps Asymptomatic or routine screening Virtual (CT) colonography ..... Asymptomatic or routine screening
7. Have you ever had gastrointestinal bleeding that required hospitalization or a transfusion?
No Yes a) Sites: Esophagus Stomach Duodenum Colon/Rectum Other Site(s) unknown
b) What year(s)? (Mark all that apply) Before $1993 \bigcirc$ '93-'95 '96-'97 '98-'99 2000-'01
2002-'03 2004+ b
8. Do you have a hearing problem? Moderate Marked, no hearing aid
Severe, use a hearing aid
9. In a typical week during the past year, on how many days did you consume an alcoholic beverage of any type?
No days 1 day/week ○ 2 days/week 3 days/week10. In a typical month, what is the largest number of drinks of beer, wine and/or liquor you have in one day?
6-9
15 or more drinks/day
10. How many times per day do you eat? Include meals and snacks. (For snacks, count juice and non-diet soda, but excludecoffee and diet soda.)


## 18. IS THIS YOUR CORRECT DATE OF BIRTH?



Yes IF NO, please indicate your date of birth.


| MONTH | DAY | YEAR |
| :--- | :--- | :--- |


19. (continued)

| YES | $\checkmark$ | $\begin{array}{\|c\|} \text { Before } \\ 2004 \end{array}$ | 2004 | 2005 | 2006 |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | (Y) |  | $\bigcirc$ | $\bigcirc$ | C |
|  |  | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ |  |
|  |  | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | C |
|  |  | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ |  |
|  |  |  | $\bigcirc$ | $\bigcirc$ | O |
|  |  | $\bigcirc$ | $\bigcirc$ | ( |  |
| COPD) | (Y) | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ | O |
|  |  | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ |  |
| (0) (1) (2) (3) (4) (5) 6) 7 ) (8) (9) |  |  |  |  |  |
| 0) 1) (2) 3 4 4) 5 (6) 7 (8) 9 |  |  |  |  |  |
| (1) (2) (3) 4 ( 6 ( 7 (8) |  |  |  |  |  |

20. Have you ever been diagnosed as having atrial fibrillation (more than 1 hour)?

No Yes

If Yes: \begin{tabular}{l}
Before 1986 <br>
2005

 

1986-94 <br>
2006
\end{tabular}$\bigcirc 1994-2004$

21. Since January 1, 2004, have you had any of these fractures? None $\bigcirc$ Hip (exclude pelvis) $\bigcirc$ Wrist (Colles or distal forearm) If hip or wrist, please specify date and circumstances. Month: Year: —— If a fall, include site, surface and height of fall.
22. Current Medication (mark if used regularly)

Acetaminophen (e.g., Tylenol)

23. Do you currently take multi-vitamins? (Please report other individual vitamins in the next section.)

27. (continued) For each food listed, fill in the circle indicating how often on average you have used the amount specified during the past year.

Please try to average your seasonal use of foods over the entire year. For example, if a food such as cantaloupe is eaten 4 times a week during the approximate 3 months that it is in season, then the average use would be once per week.

| FRUITS $\begin{gathered}\text { Never, or less than } \\ \text { once per month }\end{gathered}$ |  |  |  |  | $\begin{aligned} & 1-3 \text { per } \\ & \text { month } \end{aligned}$ | 1 per week | $\begin{gathered} 2-4 \text { per } \\ \text { week } \end{gathered}$ | $\begin{gathered} 5-6 \text { per } \\ \text { week } \end{gathered}$ | $\left\lvert\, \begin{gathered} 1 \\ \text { per day } \end{gathered}\right.$ | $\begin{gathered} 2-3 \\ \text { per day } \end{gathered}$ | $\begin{array}{c\|} \hline 4-5 \\ \text { per day } \\ \hline \end{array}$ | $\begin{array}{\|c\|} 6+ \\ \hline \text { per day } \\ \hline \end{array}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Raisins (1 oz. or small pack) or grapes (1/2 cup) |  |  |  | $\bigcirc$ | $\bigcirc$ | (W) | $\bigcirc$ | $\bigcirc$ | (D) | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ |
| Prunes or dried plums (6 prunes or $1 / 4$ cup) |  |  |  | $\bigcirc$ | $\bigcirc$ | (W) | $\bigcirc$ | $\bigcirc$ | (D) | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ |
| Prune juice (small glass) |  |  |  | $\bigcirc$ | $\bigcirc$ | (W) | $\bigcirc$ | $\bigcirc$ | (D) | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ |
| Bananas (1) |  |  |  | $\bigcirc$ | $\bigcirc$ | (W) | $\bigcirc$ | $\bigcirc$ | (D) | $\bigcirc$ | $\bigcirc$ | ) |
| Cantaloupe (1/4 melon) |  |  |  | $\bigcirc$ | $\bigcirc$ | (W) | $\bigcirc$ | $\bigcirc$ | (D) | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ |
| Avocado (1/2 fruit or $1 / 2$ cup) |  |  |  | $\bigcirc$ | $\bigcirc$ | (W) | $\bigcirc$ | $\bigcirc$ | (D) | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ |
| Fresh apples or pears (1) |  |  |  | $\bigcirc$ | $\bigcirc$ | (W) | $\bigcirc$ | $\bigcirc$ | D | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ |
| Apple juice or cider (small glass) |  |  |  | $\bigcirc$ | $\bigcirc$ | (W) | $\bigcirc$ | $\bigcirc$ | (D) | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ |
| Oranges (1) |  |  |  | $\bigcirc$ | $\bigcirc$ | (w) | $\bigcirc$ | $\bigcirc$ | (D) | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ |
| Orange juice (small glass) |  | Calcium |  | $\bigcirc$ | $\bigcirc$ | (W) | $\bigcirc$ | $\bigcirc$ | (D) | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ |
|  |  | Regular | fortified) | $\bigcirc$ | $\bigcirc$ | (W) | $\bigcirc$ | $\bigcirc$ | D | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ |
| Grapefruit (1/2) or grapefruit juice (small glass) |  |  |  | $\bigcirc$ | $\bigcirc$ | (W) | $\bigcirc$ | $\bigcirc$ | (D) | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ |
| Other fruit juices (small glass) |  |  |  | $\bigcirc$ | $\bigcirc$ | (W) | $\bigcirc$ | $\bigcirc$ | D | $\bigcirc$ | $\bigcirc$ |  |
| Strawberries, fresh, frozen or canned ( $1 / 2$ cup) |  |  |  | $\bigcirc$ | $\bigcirc$ | (W) | $\bigcirc$ | $\bigcirc$ | (D) | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ |
| Blueberries, fresh, frozen or canned ( $1 / 2$ cup) |  |  |  | $\bigcirc$ | $\bigcirc$ | (W) | $\bigcirc$ | $\bigcirc$ | D | $\bigcirc$ | $\bigcirc$ | O |
| Peaches or plums (1 fresh or $1 / 2$ cup canned) |  |  |  | ) | $\bigcirc$ | (W) | $\bigcirc$ | $\bigcirc$ | (D) | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ |
| Apricots, 1 fresh, 1/2 cup canned or 5 dried |  |  |  | - | $\bigcirc$ | (W) | $\bigcirc$ | $\bigcirc$ | D | $\bigcirc$ | $\bigcirc$ | ) |
| VEGETABLES $\quad$Never, or less than <br> once per month |  |  | Never, or less than once per month |  | $\begin{aligned} & 1-3 \text { per } \\ & \text { month } \end{aligned}$ | 1 per week | $\begin{gathered} 2-4 \text { per } \\ \text { week } \end{gathered}$ | $\begin{gathered} 5-6 \text { per } \\ \text { week } \end{gathered}$ | $\begin{gathered} 1 \\ \text { per day } \end{gathered}$ | $\begin{gathered} 2-3 \\ \text { per day } \end{gathered}$ | $\begin{gathered} 4-5 \\ \text { per day } \end{gathered}$ | $\begin{array}{\|c} 6+ \\ y \\ \hline \text { per day } \end{array}$ |
| Tomatoes (2 slices) |  |  |  | $\bigcirc$ | $\bigcirc$ | (W) | $\bigcirc$ | $\bigcirc$ | ( | $\bigcirc$ | - | $\bigcirc$ |
| Tomato or V-8 juice (small glass) |  |  |  | $\bigcirc$ | $\bigcirc$ | (W) | $\bigcirc$ | $\bigcirc$ | (D) | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ |
| Tomato sauce ( $1 / 2$ cup) e.g., spaghetti sauce |  |  |  | $\bigcirc$ | $\bigcirc$ | (W) | $\bigcirc$ | $\bigcirc$ | (D) | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ |
| Salsa, picante or taco sauce (1/4 cup) |  |  |  | $\bigcirc$ | $\bigcirc$ | (W) | $\bigcirc$ | $\bigcirc$ | (D) | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ |
| String beans (1/2 cup) |  |  |  | $\bigcirc$ | $\bigcirc$ | (W) | $\bigcirc$ | $\bigcirc$ | D | $\bigcirc$ | ( | $\bigcirc$ |
| Beans or lentils, baked or dried (1/2 cup) |  |  |  | $\bigcirc$ | $\bigcirc$ | (W) | $\bigcirc$ | $\bigcirc$ | (D) | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ |
| Tofu, soy burger, soybeans, miso or other soy protein |  |  |  | ) | $\bigcirc$ | (W) | $\bigcirc$ | $\bigcirc$ | (D) | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ |
| Peas or lima beans (1/2 cup fresh), frozen, canned) |  |  |  | $\bigcirc$ | $\bigcirc$ | (W) | $\bigcirc$ | $\bigcirc$ | (D) | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ |
| Broccoli (1/2 cup) |  |  |  | $\bigcirc$ | $\bigcirc$ | (W) | $\bigcirc$ | $\bigcirc$ | (D) | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ |
| Cauliflower ( $1 / 2$ cup) |  |  |  | $\bigcirc$ | $\bigcirc$ | (W) | $\bigcirc$ | $\bigcirc$ | (D) | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ |
| Cabbage or coleslaw (1/2 cup) |  |  |  | $\bigcirc$ | $\bigcirc$ | (W) | $\bigcirc$ | $\bigcirc$ | D | $\bigcirc$ | $\bigcirc$ | O |
| Brussels sprouts (1/2 cup) |  |  |  | $\bigcirc$ | $\bigcirc$ | (W) | $\bigcirc$ | $\bigcirc$ | (D) | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ |
| Carrots, raw (1/2 carrot or 2-4 sticks) |  |  |  | $\bigcirc$ | $\bigcirc$ | (W) | $\bigcirc$ | $\bigcirc$ | (D) | $\bigcirc$ | $\bigcirc$ |  |
| Carrots, cooked (1/2 cup) or carrot juice (2-3 oz.) |  |  |  | $\bigcirc$ | $\bigcirc$ | (W) | $\bigcirc$ | $\bigcirc$ | (D) | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ |
| Corn (1 ear or 1/2 cup frozen or canned) |  |  |  | $\bigcirc$ | $\bigcirc$ | (W) | $\bigcirc$ | $\bigcirc$ | (D) | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ |
| Mixed or stir-fry vegetables (1/2 cup), veg. soup (1 cup) |  |  |  | $\bigcirc$ | $\bigcirc$ | (W) | $\bigcirc$ | $\bigcirc$ | (D) | $\bigcirc$ | $\bigcirc$ |  |
| Yams or sweet potatoes ( $1 / 2$ cup) |  |  |  | $\bigcirc$ | $\bigcirc$ | (W) | $\bigcirc$ | $\bigcirc$ | (D) | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ |
| Dark orange (winter) squash (1/2 cup) |  |  |  | $\bigcirc$ | $\bigcirc$ | (W) | $\bigcirc$ | $\bigcirc$ | (D) | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ |
| Eggplant, zucchini or other summer squash (1/2 cup) |  |  |  | $\bigcirc$ | $\bigcirc$ | (W) | $\bigcirc$ | $\bigcirc$ | D | $\bigcirc$ | ( |  |
| Kale, mustard greens or chard (1/2 cup) |  |  |  | $\bigcirc$ | $\bigcirc$ | (W) | $\bigcirc$ | $\bigcirc$ | (D) | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ |
| Spinach, cooked (1/2 cup) |  |  |  | $\bigcirc$ | $\bigcirc$ | (W) | $\bigcirc$ | $\bigcirc$ | (D) | $\bigcirc$ | $\bigcirc$ | O |
| Spinach, raw as in salad (1 cup) |  |  |  | $\bigcirc$ | $\bigcirc$ | (W) | $\bigcirc$ | $\bigcirc$ | (D) | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ |
| Iceberg or head lettuce (1 cup) |  |  |  | $\bigcirc$ | $\bigcirc$ | (W) | $\bigcirc$ | $\bigcirc$ | (D) | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ |
| Romaine or leaf lettuce (1 cup) |  |  |  | $\bigcirc$ | $\bigcirc$ | (W) | $\bigcirc$ | $\bigcirc$ | (D) | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ |
| Celery (2-3 sticks) |  |  |  | $\bigcirc$ | $\bigcirc$ | (W) | $\bigcirc$ | $\bigcirc$ | ( | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ |
| Peppers: green, yellow or red (3 slices) |  |  |  | $\bigcirc$ | $\bigcirc$ | (W) | $\bigcirc$ | $\bigcirc$ | (D) | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ |
| Onions as a garnish or in salad (1 slice) |  |  |  | $\bigcirc$ | $\bigcirc$ | (w) | $\bigcirc$ | $\bigcirc$ | (D) | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ |
| Onions as a cooked vegetable, rings or soup (1/2 cup) |  |  |  | $\bigcirc$ | $\bigcirc$ | (W) | $\bigcirc$ | $\bigcirc$ | (D) | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ |
| EGGS, MEAT, ETC. $\quad \begin{aligned} & \text { Never, or less than } \\ & \text { once per month }\end{aligned}$ |  |  | Never, or less than once per month |  | 1-3 per month | 1 per week | $\begin{gathered} 2-4 \text { per } \\ \text { week } \end{gathered}$ | $\begin{gathered} 5-6 \mathrm{per} \\ \text { week } \end{gathered}$ | $\left\lvert\, \begin{gathered} 1 \\ \text { per day } \end{gathered}\right.$ | $\begin{gathered} 2-3 \\ \text { per day } \end{gathered}$ | $\begin{array}{c\|} \hline 4-5 \\ \text { per day } \end{array}$ | $\begin{array}{\|c\|} 6+ \\ y \\ \hline \end{array}$ |
| Eggs (1) | Omega-3 forti | ified inc |  | $\bigcirc$ | $\bigcirc$ | (W) | $\bigcirc$ | $\bigcirc$ | (D) | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ |
|  | Regular eggs | includin |  | $\bigcirc$ | $\bigcirc$ | (W) | $\bigcirc$ | $\bigcirc$ | (D) | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ |
| Beef or pork hot dogs (1) |  |  |  | $\bigcirc$ | $\bigcirc$ | (W) | $\bigcirc$ | $\bigcirc$ | D | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ |
| Chicken or turkey hot dogs (1) |  |  |  | $\bigcirc$ | $\bigcirc$ | (W) | $\bigcirc$ | $\bigcirc$ | (D) | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ |
| Chicken/turkey sandwich or frozen dinner |  |  |  | $\bigcirc$ | $\bigcirc$ | (w) | O | $\bigcirc$ | (D) | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ |
| Other chicken or turkey, with skin (3 oz.) |  |  |  | $\bigcirc$ | $\bigcirc$ | (W) | $\bigcirc$ | $\bigcirc$ | (D) | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ |
| Other chicken or turkey, without skin (3 oz.) |  |  |  | $\bigcirc$ | $\bigcirc$ | (W) | $\bigcirc$ | $\bigcirc$ | (D) | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ |
| Bacon (2 slices) |  |  |  | $\bigcirc$ | $\bigcirc$ | (W) | $\bigcirc$ | $\bigcirc$ | (D) | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ |

27. (continued) For each food listed, fill in the circle indicating how often on average you have used the amount specified during the past year.



CARBONATED BEVERAGES

Consider the serving size as 1 glass, bottle or can for these carbonated beverages.

| BEVERACES $\quad \begin{gathered}\text { Never, or I } \\ \text { once per }\end{gathered}$ | Never, or less than once per month | $1-3 \text { per }$ month | 1 per week | $\begin{gathered} 2-4 \text { per } \\ \text { week } \end{gathered}$ | $5-6 \mathrm{per}$ week | $\begin{gathered} 1 \\ \text { per day } \end{gathered}$ | $\begin{gathered} 2-3 \\ \text { per day } \end{gathered}$ | $\begin{gathered} 4-5 \\ \text { per day } \end{gathered}$ | $\begin{gathered} 6+ \\ \text { per day } \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Low-calorie beverage with caffeine, e.g., Diet Coke, Diet Mt. Dew | $\bigcirc$ | $\bigcirc$ | (W) | $\bigcirc$ | $\bigcirc$ | ( | $\bigcirc$ | $\bigcirc$ | C |
| Other low-cal bev. without caffeine, e.g., Diet 7-Up | $\bigcirc$ | $\bigcirc$ | (W) | $\bigcirc$ | $\bigcirc$ | (D) | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ |
| Carbonated beverage with caffeine \& sugar, e.g., Coke, Pepsi, Mt. Dew, Dr. Pepper | $\bigcirc$ | $\bigcirc$ | (W) | $\bigcirc$ | $\bigcirc$ | (D) | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ |
| Other carbonated beverage with sugar, e.g., 7-Up, Root Beer, Ginger Ale | $\bigcirc$ | $\bigcirc$ | (W) | $\bigcirc$ | $\bigcirc$ | (D) | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ |
| Punch, lemonade, other non-carbonated fruit drinks, or sugared ice tea (1 glass, bottle, can) | $\bigcirc$ | $\bigcirc$ | (W) | $\bigcirc$ | $\bigcirc$ | (D) | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ |
| Beer, regular (1 glass, bottle, can) | $\bigcirc$ | $\bigcirc$ | (W) | $\bigcirc$ | $\bigcirc$ | (D) | $\bigcirc$ | C | $\bigcirc$ |
| Light Beer, e.g., Bud Light (1 glass, bottle, can) | $\bigcirc$ | $\bigcirc$ | (W) | $\bigcirc$ | $\bigcirc$ | (D) | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ |
| Red wine (5 oz. glass) | $\bigcirc$ | $\bigcirc$ | (W) | $\bigcirc$ | $\bigcirc$ | (D) | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ |
| White wine (5 oz. glass) | $\bigcirc$ | $\bigcirc$ | (W) | $\bigcirc$ | $\bigcirc$ | (D) | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ |
| Liquor, e.g., vodka, gin, etc. (1 drink or shot) | $\bigcirc$ | $\bigcirc$ | (W) | C | $\bigcirc$ | (D) | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ |
| Plain water, bottled, sparkling, or tap (8 oz. cup) | $\bigcirc$ | $\bigcirc$ | (W) | ( | $\bigcirc$ | (D) | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ |
| Herbal tea or decaffeinated tea (8 oz. cup) | $\bigcirc$ | $\bigcirc$ | (W) | $\bigcirc$ | $\bigcirc$ | (D) | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ |
| Tea with caffeine (8 oz. cup), including green tea | $\bigcirc$ | $\bigcirc$ | (W) | $\bigcirc$ | $\bigcirc$ | D | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ |
| Decaffeinated coffee (8 oz. cup) | $\bigcirc$ | $\bigcirc$ | (W) | $\bigcirc$ | $\bigcirc$ | (D) | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ |
| Coffee with caffeine (8 oz. cup) | $\bigcirc$ | $\bigcirc$ | (W) | $\bigcirc$ | $\bigcirc$ | D | $\bigcirc$ | $\bigcirc$ | $\bigcirc$ |

27. (continued) For each food listed, fill in the circle indicating how often on average you have used the amount specified during the past year.

28. How much of the visible fat on your beef, pork or lamb do you remove before eating?

Remove all visible fat Remove most Remove small part of fat Remove none Don't eat meat
30. How often do you eat fried or sautéed food at home? (Exclude "Pam"-type spray) Less than once a week 1-3 times per week 4-6 times per week Daily
31. What kind of fat is usually used for frying and sautéing at home? (Exclude "Pam"-type spray) Real butter Margarine Vegetable oil Vegetable shortening $\bigcirc$ Lard
32. What kind of fat is usually used for baking at home?
33. What type of cooking oil is usually used at home?

Vegetable shortening
Lard (e.g., Mazola Corn Oil)

Specify brand and type
34. How often do you eat deep fried chicken, fish, shrimp, clams or onion rings away from home? Less than once a week 1-3 times per week

4-6 times per week
Daily
35. How often do you eat toasted breads, bagel or English muffin (e.g., slice or 1 half bagel)?

Less than once a week 1-3 times per week $\bigcirc 4-6$ times per week Daily $\bigcirc$ 2+ times/day
36. Are there any other important foods that you usually eat at least once per week?
Include for example: Applesauce, mushrooms, bulgur, couscous, radish horseradish, Eggbeaters, dates, figs, mango, mixed dried fruit, papaya, wheat germ, custard, venison, hot peppers, pickles, olives, SlimFast, Ensure (regular, plus or light), Power/Sports bars.
(Do not include dry spices and do not list something that has been listed in the previous sections.)

Thank you! Please return forms in prepaid return envelope to: Dr. Walter Willett, 677 Huntington Avenue, Boston, MA 02115.

