OMB#: 0925-0216 Exp. 12/2007

Public reporting burden for this collection of information is estimated to average <u>10</u> minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to: NIH, Project Clearance Branch, 6705 Rockledge Drive, MSC 7974, Bethesda, MD 20892-7974, ATTN: PRA (0925-0216). Do not return the completed form to this address.

Instructions for Completing the Food Frequency Questionnaire

Thank you for participating in this research study. An important part of this study is the Food Frequency Questionnaire, designed to measure your dietary pattern over the past year. Remember, the information we get from the study is only as good as the information you give us. Accuracy is essential!

Please complete this form and bring it with you at the time of your appointment, or complete prior to the time of your home visit.

- 1) Please use a No. 2 pencil, and make sure the circles are completely darkened.
- 2) Please do not leave any questions blank. If the section does not apply to you, please fill in the "never" section.
- 3) Please do not separate, staple or rip the booklet.
- 4) Please do not leave any stray marks. Make sure all erasures are complete.

PLEASE USE PENCILLET ASSESSMENT

									_			
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ID:	(9)(1)(2)(3)	(4)(6)(6)(7)(8)(8)(0)(1	(2)(3	(4)(5)(6)(7)	(8)(9)	തത	17913	MA) (F) (F)	ത്രത
1 Do you currently take -	(0) (1) (2) (3)	$\Theta \Theta \Theta O \overline{\Theta} \Theta$	<u> </u>)(<u>e</u>)(<u>a</u>	(4) (5)(6)(7)	$\Theta\Theta$					
O No O Yes →	multiple vitamins? (Please repo If ves. a) How many do you			der qu					(Q)			
	per week?	→ O ₃ -	or less		O 6-	or mor			@@			
	had and the same of the same		Ú		O IC	or mor	e	<u>w</u> U	® ®	(4) (5)	(B) (Z)	(3)(9)
	b) What specific bran- you usually use?	d do →					S	necify a	exact br	and an	d+una	
2. Not counting multiple	vitamins, do you take any of ti	ne following pre	narati	one.				Jeciry (skact Di	anu an	и туре	
			parati	0113.								
a) Vitamin A?		ny → ○ 0-1 yr.	0	2-4 yr:	5.	O 5-9	yrs.	0	10+ yr:	S.	OBoo	n't
O No O Yes, season O Yes, most n	ial Olivy	O less that		8,000	to	O 12	000 to		22.000			
→ O les, most n	per day?	se → C Less that 8,000 IU	. 0	12,000	υĭċ	$O_{22'_{1}}$	000 to 000 IU	\circ	23,000 or more	6	Okno	
b) Vitamin C?	/ How ma	ny → ○ 0-1 yr.		2-4 yrs		O 5-9	ure	$\overline{}$	10+ yrs		ODor	n't
O No O Yes, season	alonly If years?	·· · • O 0-1 yi.		2-4 yı:).	O 5-9	yrs.		10+ yrs	3.	O kno	w
Yes, most m	nonths Yes, What do	se Less than	1	400 to		750) to 60 mg.	\circ	1300 m	ig.	○ Dor	a't
	per day?	400 mg.		700 m	g.	O 128	w mg.		or more	3	∪ kno	W
c) Vitamin B ₆ ?	How many years? —	→ 0-1 yr.		2-4 yrs	3.	O 5-9	yrs.	_0	10+ yrs	3.	O Dor	ı't w
O No O Yes →	If yes. What dose per day?	Less than 10 mg.	Ō	10 to 39 mg		O 40 79		0	80 mg. or more		O Dor	n't
d) Vitamin E?	(H					_		-			Dor	
ONo OYes	How many years? — What dose per day? -	→ O 0-1 yr. → O Less thar		2-4 yrs 100 to		0 5-9	·		10+ yrs		<u></u> kno	W
	Tyes, (What dose per day? -	100 IU		250 IU		O 300 500			600 IU or more	•	O Dor kno	ı't [I W
e) Selenium?	How many years? —	→ ○ 0-1 yr.	\circ	2-4 yrs		O 5-9	vrs	$\overline{}$	10+ yrs		O Don	ı't
O No O Yes → I	ff yes. What dose per day? -	→ C Less than	Õ	80 to		() 140		_=	260 mc		O kno O Don	
		80 mcg.		130 m	cg.	250	mcg.		or more)	kno	W
f) Iron?	How many years? —	→ O-1 yr.	0	2-4 yrs		O 5-9	yrs.	0	10+ yrs	. (O Don kno	r't W
O No O Yes → I	f yes, What dose per day? -	──◆○ Less than 51 mg.		51 to 200 mg	,	O 201 400		0	401 mg or more	. (O Don	o't
g) Zinc?	1										knov	1
	How many years? — f yes, What dose per day? —	→ O 1 one there	_=	2-4 yrs		O 5-9			10+ yrs		U knov	w
		Less than 25 mg.		25 to 74 mg.		○ 75 t 100	o mg.	O;	101 mg or more	. (O Don knov	
1) Calcium? (Include Calci in Dolomite)	How many years? —	→ O 0-1 yr.	\bigcirc	2-4 yrs		O 5-9 ·	/FS	O 1	10+ yrs.	(O Don knov	t
O No O Yes → I	f yes, What dose per day? -	→ C Less than	0	400 to		901		~~~	1301 m	a. (Don	
ii Ara thara athau aumala		400 mg.		900 mg]	1300) mg.		or more		knov	
 i) Are there other supplements that you take on 	O Folic acid		lodine) Bet	a- otene) Othe	er (plea:	se spe	cify): -	
a regular basis? Please	O vitamin D	Ō	Copper		_		Г					+ -
mark if yes:	O B-Complex O C Vitamins	mega 3 O atty-acids	Brewer Yeast	's () Mag	gnesiun	٦					-
											-	-/1
3. For each food listed, fill i	in the circle indicating ou have used the amount	Г		A	VERA	GE U	SE L	ST	VFΔR			
specified during the past			Never,	1-3	1	2-4	5-6				Τ.	(2) -
,		ti	or less nan once	per	per	per	per	1 per	2-3 per	4-5 per	6÷ per	0-
	DAIRY FOODS	q	er month	mo.	week	week	week	day	day	day	day	_@■
-	Skim or low fat milk (8 oz. glass) Whole milk (8 oz. glass)		18	18	W	18		<u> </u>		0	0	<u> </u> Q •
-	Cream, e.g. coffee, whipped (Tbs)		18	10	W	18		0	191	$\stackrel{\circ}{\sim}$	2	
-	Sour Cream (Tbs)		18	8	(W)	8	00	<u> </u>	8	8	8	HX.
ļ	Non-dairy coffee whitener (tsp.)		tŏ	0	w	Image: Simple state of the content of	8	0	1-2	\preceq	181	
_	Sherbet or ice milk (1/2 cup)		tŏ	ŏ	(W)	ŏ	ŏ	0	8	$\overset{\sim}{\sim}$	l ŏ	1ŏ-
	Ice cream (1/2 cup)		ĬŎ	Ŏ	w	Ŏ	ŏ	<u>©</u>	tŏt	Ŏ	ŏ	Tŏ-
F	Yogurt (1 cup)		0	0	W	Ö	Ŏ	0	Ŏ	Ŏ	Ŏ	Ŏ-
	Cottage or ricotta cheese (1/2 cup)		Q	O.	W	0	0	0	0	Ó	0	0-
	Cream cheese (1 oz.)		10	0	w	0	0	0	0	0	0	0-
}	Other cheese, e.g., American, ched plain or as part of a dish (1 slice	dar, etc.,										
	or 1 oz. serving)		0	0	w	0	0	(D)	$ \circ $	0		O -
	Margarine (pat), added to food or br	ead;	0	0	(W)	0	0	(D)				
ease turn	exclude use in cooking			\vdash			\subseteq	9	0	0	0	
page 2	Butter (pat), added to food or bread; exclude use in cooking		0	0	(W)		\circ	(D)				\circ

3. (Continued) Please fill in your <u>average</u> use, <u>during the past year</u>, of each specified food

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.

n your <u>average</u> use, each specified food. FRUITS	Never, or less than once per month	1-3 per mo.	1 per week	2-4 per week	5-6 per week	1 per day	2-3 per day	4-5 per day	6+ per day	000
Raisins (1 oz. or small pack) or grapes		0	(W)	0	0	0	0		6	0
Prunes (1/2 cup)	ĬŎ	ŏ	w	ŏ	ŏ	0	10	X	1 8	ŏ
Bananas (1)	Ŏ	Ŏ	(W)	ŏ	ŏ	<u></u>	18	\tilde{a}	10	\dashv
Cantaloupe ('/+ melon)	Ŏ	Ŏ	(W)	ŏ	ŏ	<u>0</u>	ŏ	$\vdash \preceq$	\tilde{a}	ŏ
Watermelon (1 slice)	Ŏ	Ŏ	(w)	Ŏ	Ŏ	<u>0</u>	Ŏ	1 o	ŏ	ΗĂ
Fresh apples or pears (1)	Ŏ	Õ	Ŵ	Ŏ	Ŏ	<u></u>	ŏ	ŏ	<u>~</u>	ŏ
Apple juice or cider (small glass)	Ŏ	Ŏ	w	Ŏ	Õ	0	ŏ	ŏ	ă	ŏ
Oranges (1)	ĬŎ	Ŏ	Ŵ	ŏ	\sim	<u></u>	ŏ	ŏ	\sim	ŏ
Orange juice (small glass)	Ŏ	Õ	w	ŏ	ŏ	<u>.</u>	õ	ŏ	ŏ	ŏ
Grapefruit (1/2)	Ŏ	Č	w	ŏ	ŏ	<u></u>	ŏ	$\stackrel{\sim}{\sim}$	ŏ	ŏ
Grapefruit juice (small glass)	Ŏ	Õ	w	ŏ	ŏ	0	ŏ	\sim	ŏ	Ħ
Other fruit juices (small glass)	Ô	Õ	®	Ŏ	Ŏ	Ö	$\tilde{\circ}$	$\tilde{\circ}$	δ	ŏ
Strawberries, fresh, frozen or canned (1/2 cup)	ŤŎ	Ŏ	®	ŏ	Ŏ.	<u></u>	ŏ	ŏ	ŏ	ŏ
Blueberries, fresh, frozen or canned (1/2 cup)	Õ	Õ	(W)	ŏ	Ŏ	ŏ	Ŏ	ŏ	\tilde{a}	Ħ
Peaches, apricots or plums (1 fresh, or 1/2 cup canned)	Ŏ	Ŏ	w	ŏ	ŏ	<u></u>	ŏ	ŏ	ŏ	Ŏ

VEGETABLES	Never, or less than once per month	1-3 per mo.	1 per week	2-4 per week	5-6 per week	1 per day	2-3 per day	4-5 per day	6+ per day	
Tomatoes (1)			(W)		0	0				18
Tomato juice (small glass)	15	0	®	ŏ	ŏ	0	\mathcal{C}	18	ŏ	H
Tomato sauce (1/2 cup) e.g., spaghetti sauce	ŏ	Õ	(w)	ŏ	ŏ	₀	ŏ	1 o	ŏ	HX
Red chifi sauce (1 Tbs)	1 ŏ	Ö	®	ŏ	$\tilde{}$	_©	Ö	X	ŏ	ΤĞ
Tofu or soybeans (3-4 oz.)	ĬŎ.	Ŏ	w	Ŏ	Ŏ	©	ŏ	ŏ	ŏ	
String beans (1/2 cup)	10	ŏ	w	ŏ	Ŏ	0	Õ	ŏ	ŏ	
Broccoli (1/2 cup)	Ŏ	ŏ	(w)	ŏ	Ŏ	0	ŏ	ŏ	ŏ	lŏ
Cabbage or cole slaw (1/2 cup)	TÕ	Õ	w	Ŏ	Õ	0	ŏ	ŏ	ŏ	\mathbb{H}^{\times}
Cauliflower (1/2 cup)	Ŏ	Ŏ	w	ŏ	Ŏ	0	ŏ	ŏ	ŏ	
Brussels sprouts (1/2 cup)	Ŏ	Ŏ	Ŵ	Ŏ	Ŏ	0	ŏ	Ŏ	ŏ	Ηŏ
Carrots, raw (1/2 carrot or 2-4 sticks)	Ŏ	Ŏ	(w)	Ŏ	Ŏ	Õ	Õ	ŏ	ŏ	HX
Carrots, cooked (1/2 cup)	Ŏ	Õ	(W)	ŏ	ŏ	<u></u>	ŏ	ŏ	ŏ	HÃ
Corn (1 ear or 1/2 cup frozen or canned)	Ŏ	Ŏ	(w)	Ŏ	ň	6	ŏ	ŏ	ŏ	ΗĂ
Peas, or lima beans (1/2 cup fresh, frozen, canned)	Ŏ	Ŏ	Ŵ	Ŏ	ŏ	<u></u>	ŏ	$\tilde{\cap}$	$\tilde{\cap}$	ΗĂ
Mixed vegetables (1/2 cup)	Ŏ	Ŏ	(w)	ŏ	Ŏ	<u></u>	Ŏ	Ŏ	Ŏ	X
Beans or lentils, baked or dried (1/2 cup)	Ô	Õ	(W)	Ŏ	Ŏ	0	ŏ	ŏ	$\tilde{}$	ŏ
Yellow (winter) squash (1/2 cup)	Ŏ	Ŏ	(w)	Ŏ	ŏ	0	ŏ	ŏ	\sim	TĂ
Eggplant, zucchini, or other summer squash (1/2 cup)	Ŏ	Ŏ	w	Ŏ	Ŏ	©	Ŏ	ŏ	ŏ	Ŏ
Yams or sweet potatoes (1/2 cup)	0	\circ	(W)	0	\circ	(D)	0		$\overline{}$	
Spinach, cooked (1/2 cup)	Õ	Õ	(w)	Ŏ	Ŏ	(D)	ŏ	ŏ	ŏ	ŏ
Spinach, raw as in salad	Ŏ	Ŏ	w	ŏ	Ŏ	<u></u>	ă	ŏ	ŏ	ŏ
Kale, mustard or chard greens (1/2 cup)	Ŏ	Ŏ	(w)	ŏ	ŏ	<u>0</u>	ŏ	$\tilde{\wedge}$	ŏ	7
Iceberg or head lettuce (serving)	ĬŎ	Ŏ	(w)	ŏ	ŏ	ŏ	ŏ	ŏ	ŏ	K
Romaine or leaf lettuce (serving)	TŎ	Ŏ	(W)	Ŏ	Ŏ	0	ŏ	ŏ	ŏ l	ば
Celery (4" stick)	Ŏ	Ŏ	(w)	ŏ	ŏ	<u></u>	ŏ	ŏ	ŏ	K
Beets (1/2 cup)	TÕ	Ŏ	(W)	ŏ	Ŏ	0	ŏ	ŏ	ăt	K
Alfalfa sprouts (1/2 cup)	ΙŎΙ	ŎΙ	w	Ŏ	ŏ	0	ŏ	ŏl	ŏ+	K
Garlic, fresh or powdered (1 clove or shake)	Ŏ	Õ	(w)	ŎΤ	ŏ	0	ŏ	ŏ	ŏ	7

EGGS, MEAT, ETC.	Never, or less than once per month	1-3 per mo.	1 per week	2-4 per week	5-6 per week	1 per day	2-3 per day	4-5 per day	6+ per day	
Eggs (1)	0	0	W	0	0	(D)	0	0	0	C
Chicken or turkey, with skin (4-6 oz.)	0	0	W	0	Ō	(0)	Õ	Ŏ	Õ	10
Chicken or turkey, without skin (4-6 oz.)	0	0	W	Ō	Ō	(D)	Õ	Ŏ	Õ	Ĉ
Bacon (2 slices)		0	W	0	Ō	0	Ô	Õ	Ŏ	C
Hot dogs (1)	0	0	W	0	0	(D)	Ō	Õ	Ô	

Please go to page 3

BEVERAGES

Hawaiian Punch, lemonade, or other non-carbonated fruit drinks (1 glass, bottle, can) 0 0 0 W 0 **(** $\overline{\circ}$ 0 0 Decaffeinated coffee (1 cup) 00000 00000 00000 00000 Coffee (1 cup) 00000 8888 00000 00000 00000 Tea (1 cup), not herbal teas Beer (1 glass, bottle, can) Red wine (4 oz. glass) White wine (4 oz. glass) Liquor, e.g., whiskey, gin, etc. (1 drink or shot)

Please turn to page 4

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ID:	@0@ @0@	(3)(4)((3)(4)(900 900	7)(B)(9(0) 9(0)	1)(2)(1)(2)(3(4)(3(4)(56) 56:	70 70	9 0 0	⊕@(⊕@(⋑ @	(5) (6) (6) (6)	
 3. (Continued) Please fill in your 	@@	ŌŎ	<u> </u> $ \bar{9} $	7)(8)(9(0)(Ď(2)(3)(4)(ട് ക്	70	a) —		$\nu \upsilon$	~~	ا ال
 average use during the past year, 		Never,		1	}			1		T	$T \cap a$	ക്ക	(6)(a	000
of each specified food.		or less han once	1-3 per	1 per	2-4 per	5-6 per	1 per	2-3 per	4-5 per	6+ per	I X	50		
SWEETS, BAKED GOODS, MISCELLA	NEOUS P	er month	mo.	week	week	week	day	day	day	day	100	മത	06	000
 Chocolate (bars or pieces) e.g., Hershey's, 	M & M's	0	0	W	0	0	(0)	0	0	0	$+$ \aleph	50	00	00
Candy bars, e.g., Snickers, Milky Way, Red	eses	0	Ō	(w)	Ŏ	Ŏ	0	Ŏ	ŏ	Ιŏ				00
Candy without chocolate (1 oz.)		O	Ō	W	Ŏ	Ŏ	0	Ŏ	ŏ	lŏ	TA	55	88	50
Cookies, home baked (1)		O	Õ	(w)	Õ	Ŏ	Õ	ŏ	ŏ	ŏ	100	36	86	00
Cookies, ready made (1)		Õ	Ŏ	w	Ŏ	ŏ	₀	ŏ	ŏ	ŏ				90
Brownies (1)		O	Õ	w	Ŏ	ŏ	Ö	ŏ	ŏ	ñ	186	900	66	00
Doughnuts (1)		0	Ŏ	(w)	Ŏ	Ŏ	Ō	ŏ	ŏ	ŏ	$+$ κ $_{c}$	λő.	ക്ക്	90
Cake, home baked (slice)		10	Ō	Ŵ	Ŏ	Ŏ	(i)	Ŏ	ŏ	Õ	176	ກ້ອນ	a a	ŎŌ.
Cake, ready made (slice)	1.0	0	0	(W)	Ô	Ö	0	ŏ	ñ	ŏ	HŏG	١Ă/	ച്ച്	ŎŎ:
Sweet roll, coffee cake or other pastry, home baked (serving)		0	0	w	0	Ô	0	Ŏ	Ŏ	Ŏ	OG)@(② (©	② ②
Sweet roll, coffee cake or other pastry, ready made (serving)		0	0	w	0	0	0	0	0	0	04)(4)((1)(A)	900 900 900
Pie, homemade (slice)		0	0	W	0	0	(D)	0	0	0	06	Sa Sa	30	(1) (1) (1) (1) (1)
Pie, ready made (slice)		Ō	Ŏ	w	Ŏ	Ŏ	©	ŏ	ŏ	ŏ				000
Jams, jellies, preserves, syrup, or honey (1	Tbs)	0	0	W	Ō	Õ	0	Ŏ	Õ	Ô	ŎŒ) (ii)	ച്ച്	<u></u>
Peanut butter (Tbs)		0	0	W	0	Ō	0	Ŏ	Ŏ	Õ				<u>୭</u> ୭
Popcorn (1 cup)		0	0	W	0	0	0	Ō	Ŏ	Ŏ	06	<u>(</u>	ച്ച്	000
Nuts (small packet or 1 oz.)		0	0	W	0	O	®	Ŏ	Ŏ	Ŏ	TÕĞ	ത്ര	n(B)	ŎŎ.
Bran, added to food (1 Tbs)		0	O	W	0	0	0	0	Ō	Õ				<u> </u>
Wheat germ (1 Tbs)		0	0	W	0	0	0	0	Ō	Ō				<u>ම</u> ම්(
Chowder or cream soup (1 cup)		0	0	W	0	0	0	0	0	Ô				$\widetilde{\Phi} \check{\Phi}($
Oil and vinegar dressing, e.g., Italian (1 Tbs)		0	0	W	0	0	0	0	0	0				<u>ه</u> ه
Mayorinaise or other creamy salad dressing (1 Tbs)		0	0	W	0	0	(D)	0	0	0				66 900
Mustard, dry or prepared (1 tsp)		0	0	W	0	0	0	0	0	0				90
Pepper (1 shake)		0	Ō	(w)	Ô	Õ	Ō	ŏ	ŏ	ŏ				DO (
Salt (1 shake)		0	0	(W)	Ō	Ô	(a)	Ŏ	ŏ	Ŏ				000
4. How much of the visible fat on your meats do		110												J D M
remove before eating?	you	10	. How suga	many r do yo										2 (2) (3
Remove all visible fat Remove sma	li part of fat	i	beve	rages (or food	l each	day? -		<u></u>	t) (
Remove majority Remove none	e	11	. What											9 (4) (a
O (Don't eat me		ĺ	of co	oking										5 (6)(6
5. What kind of fat do you usually use for frying a	ind			lly use	?	-		Specif	y type	and bra) (6)
sautéing? (Exclude "Pam"-type spray)		12	What											ÐŌŒ
Real butter Vegetable oil	O Lard			breakfa Idoyo										806
■ Margarine Vegetable shortening	g			ly use		-								9(9)(9
6. What kind of fat do you usually use for baking?						L				and bra				4
1 0	_	13	. Are	there	any o	ther i	mport	ant fo	ods t	hat ye	ou usu	ally		(5
Real butter Vegetable oil	○ Lard		eat <u>a</u>	at leas	t onc	e per	week:	?						(6
Margarine Vegetable shortening	9		Inclu	de for	examı	ole: pa	té. tori	tillas. v	east.	cream	sauce,	custs	ard	€
7. What form of margarine do you usually use?		_	hors	eradisi	ո, pars	nips, r	hubart	o, radis	shes, f	ava be	ans, ca	rrat i	uice.	(8
011 0011 00			coco	nut, av	/ocado	, man	go, pap	oaya, c	tried a	pricot	s, dates	, figs		(9
None O Stick O Tub O Spread Cow-calorie stick O Low-ca			(Do r	ot inc	lude d	ry spic	es and	do no	t list s	ometh	hing tha	it has	š	3(3)(3)(3)(3)(3)(3)
How often do you eat food that is fried at home (Exclude the use of "Pam"-type spray)	?	_	Ç	ther f	oods ti	nat yo	u usua	lly	,	U	sual		Serv	
		-		use at	least o	nce p	er wee	k	_	servi	ng siza		perv	
■ O Daily O 4–6 times per	week	(a)	1									1		
■ O 1-3 times per week O Less than onc	e a week	\a_i							+					
9. How often do you eat fried food away from hon	ne?	(b))									İ		
(e.g., french fries, fried chicken, fried fish)														
·		(c)												
O Daily 0 4-6 times per														
1–3 times per week Less than once	e a week	(d)										l		