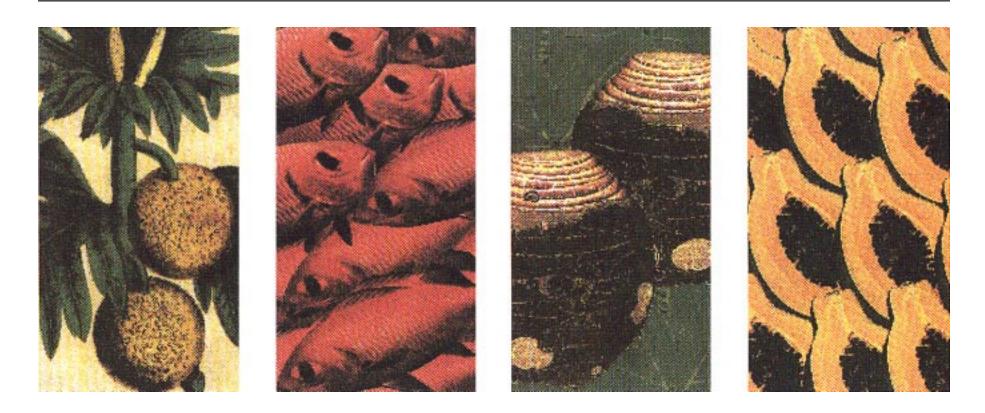


Hawaiian

Food Choices for Healthful Living based on food group lists



Anne Caprio Shovic, Ph.D., R.D.

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The Food Group Lists are the basis of a meal planning system designed by the American Diabetes Association and The American Dietetic Association.

Disclaimer: The use of brand names does not imply endorsement. Nutrient value and exchange lists are based on current data and may be subject to change as new information becomes available.

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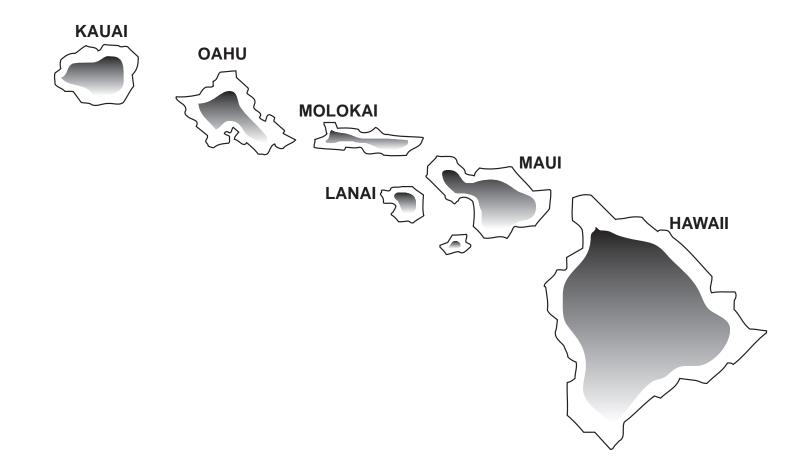
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Introduction

Diet is an important part of the treatment of many diseases including obesity, diabetes, heart disease and high blood pressure. The Hawaiian Food Group Lists have been prepared to help in the understanding of what food is made of so that a modified diet can be more easily followed.



Principles of Good Nutrition

■ Maintain a healthy weight.	Obesity increases you risk for diabetes, hypertension and coronary heart disease.
■ Eat a variety of foods.	Eating a variety of foods increase your chances of obtaining all the vitamins, minerals and nutrients your body needs.
■ Eat less fat.	Too much fat may cause heart and blood vessel disease. Eat non-fried fish, sea food, poultry, and other lean meats. Watch your portion sizes of all meat - it's easy to eat too much. Eat fewer high-fat foods such as canned luncheon meat, corned beef (from keg & can), coconut milk, gravy, salad dressing, chicken/turkey wings and tails.
Eat more starches, especially those high in fiber.	Starches are a good source of energy, vitamins, and minerals. Fiber in foods may help to lower blood-glucose and blood-fat levels. All people should increase the amount of carbohydrate and fiber they eat. This can be done by eating more taro poi, yams, sweet potato, cassova, bananas, breadfruit, dried beans, and peas; more whole grain breads, cereals, and crackers; and more fruit and vegetables.

Principles of Good Nutrition (Continued)

■ Eat less sugar.	Sugar has only calories (energy) and no vitamins or minerals, and it increases the risk of dental cavities. Foods high in added sugar include desserts such as cakes and pies, sugary breakfast foods (such as toaster pasteries and sugar coated cereals), cookies, candy, pastries, table sugar, honey, sweet drinks, and syrup.
■ Eat less salt and sodium.	Many of us eat too much salt. The sodium in salt can cause the body to retain water, and in some people it may raise blood pressure. High blood pressure may be made worse by eating too much salt and sodium. Try to use less salt in cooking and at the table. Foods that are high in sodium, such as processed and convenience foods, are noted in this booklet with a special symbol \star .
■ Limit alcohol intake.	It is best to avoid alcohol altogether. If you like to have an alcoholic drink now and then, ask your physician or nutritionist on how to work it into your meal plan.

The Food Groups

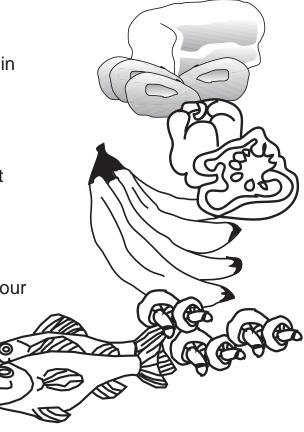
To make it easier for you to follow your meal plan and to meet your nutritional needs, foods have been divided into six Food Groups.

The reason for dividing food into six different groups is that foods vary in their carbohydrate, protein, fat, and calorie content. Each group contains foods that are alike - each choice contains about the same amount of carbohydrate, protein, fat, and calories (energy).

The chart on the following page shows the amount of these nutrients in one serving from each Food Group.

As you read over the Food Group Lists, you will notice that some choices are for a larger amount of food than another choice from the same list. Because foods are so different, the measurement or weight for each food is set so the amount of carbohydrate, protein, fat, and calories (energy) are the same for each choice.

If you have a favorite food that is not included in any of these groups, ask your nutritionist about it. That food can probably be worked into your meal plan.



Nutrient Content by Food Group

Food Group	Carbohydrate (grams)	Protein (grams)	Fat (grams)	Calories (energy)
Starch	15	3	trace	80
Protein/Meat				
Lean	—	7	3	55
Medium-fat		7	5	75
High-fat	—	7	8	100
Vegetable	5	2	_	25
Fruit	15	—	_	60
Calcium/Milk				
Skim	12	8	trace	90
Lowfat	12	8	5	120
Whole	12	8	8	150
Fat	—	_	5	45

Meal Planning Using Food Groups

Your Meal Plan should include foods from each Food Group. The number of foods in each group is planned to provide you with a balanced diet to fit your needs.

Calcium/Milk Group	The Calcium/Milk Group includes milk and milk products, tofu made with calcium, and fish with bones. These foods contain calories (energy), protein, calcium, vitamin A and several B vitamins.
Vegetable Group	The Vegetable Group includes some vegetables high in vitamin A, vitamin C and fiber which are important to health. High vitamin A sources will be indicated with a $$ and high vitamin C sources will be indicated in this booklet.
Fruit Group	The Fruit Group includes all kinds of fruit. Some fruits contain small amounts of vitamin C; some are excellent sources of vitamin C. Orange colored fruits, such as mango and papaya, also contain vitamin A.
Starch Group	The Starch Group includes foods that provide carbohydrates in the form of starch. Cereals, rice, noodles, dried beans and peas, and starchy vegetables such as taro, breadfruit, sweet potatoes and others are good sources of many B vitamins, and other vitamins and minerals. Whole grains are high in fiber.

Meal Planning Using Food Groups (Continued)

Protein/Meat Group

The Protein/Meat Group includes foods which provide protein, some fat, minerals and vitamins. This list includes meats, fish, poultry, eggs, tofu, and cheese.

Most meats you eat should be lean since fat contributes twice as many calories as protein or carbohydrate. Cut off all the visible fat before cooking. Bake, broil, roast, stew or pan-fry without added fat. Discard the fat that comes out of the meat while cooking.

The **kind** of meat or other protein foods makes a difference. The Protein/ Meat Group has been divided into three lists: low, medium and high fat Protein/Meat Groups.

Fat Group

The Fat Group include foods high in fats. There are two categories of fats: **1) Saturated Fats** such as fats from animals and coconut palm oils; **2) Unsaturated Fats** or liquid vegetable oils. Your doctor may want you to be on a "Fat Controlled" diet. This means that you control the kind of fat you use as well as the amount.

Hawaiian Example Menu

The following sample menus have been worked out to show you how to use your Meal Plan. The fat content has been reduced to provide approximately 25% of the total energy intake. The protein content is 15-20% and carbohydrate content 50-55% of total energy. These sample menus are planned to meet the nutritional needs of adults and are not meant to be used for children.

Daily Servings:	Calcium/Milk 2	Vegetables 3	Fruit 4	Starch 8	Protein/Meat A 2	Protein/Meat B 2	Protein/Meat C 1	Fat 4
Breakfast				Dinn	er			
1 Fruit	1/2 pap	aya		2 F	Protein/Meat A	A Stirfry: 2	2 ounces chic	ken breast
2 Starch	2 Slices	s toast		2 \	/egetable		green pepper	
1 Calcium/Milk	1 cup s	kim milk			0		cooked greer	n leaves
1 Fat	1 teasp	oon margarii	ne	1 F	at		on margarine	
	·	C		1 F	Fruit	3/4 cup i	pineapple	
Lunch				1 (Calcium/Milk			
2 Protein/Meat E	3 2 ounce	es pork			(add 1 Fat)	1/2 cup 1	ofu	
2 Starch	2 slices	bread		3 3	Starch	1 cup ric		
1 Vegetable	1/2 cup	eggplant						
1 Fat	1 teasp	oon mayonn	aise	Snac	k			
1 Fruit	1/2 mai	าตด		1 F	Fruit	1/3 canta	aloupe	

Sample Menu (1600 calories)

1 Starch3 soda crackers1 Protein/Meat C1 tablespoon peanut butter

Meal Plan Form

You may want to divide your food for the day this way:

Meal Plan	Number of Servings	Food	Amount
Breakfast:			
Fruit Group			
Protein/Meat Group (A, B, or C)			
Starch Group			
Fat Group			
Calcium/Milk Group			
Coffee or tea, plain			
Lauraha			
Lunch:			
Protein/Meat Group			
Starch Group			
Vegetable Group			
Fat Group Fruit Group			
Calcium/Milk Group			
Coffee or tea, plain			
Conee or lea, plain			
Dinner:			
Protein/Meat Group			
Starch Group			
Vegetable Group			
Fat Group			
Fruit Group			
Coffee or tea, plain			
Snack:			
Protein/Meat Group			
Starch Group			
Fat Group			
Calcium/Milk Group			

Measuring Your Foods

Measuring is a key to knowing how much food you eat. The measurement in ounces, inches, spoons, or cups is indicated for each food in the Food Groups.

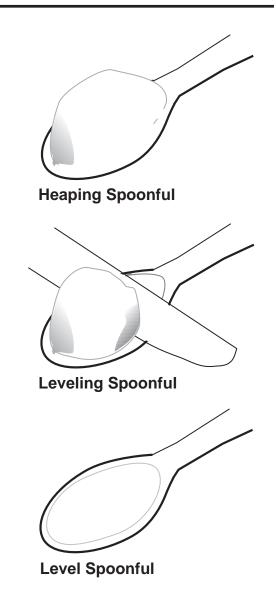
You need a set of measuring cups which include a full 8-ounce cup, a half cup, a third of a cup and a quarter cup. You also need a teaspoon, a tablespoon, and a ruler to measure your meats.

All measurements are level. Do not heap or pack your cups or bowls. For example, to measure a level spoonful, fill your spoon, then run a knife edge across the spoon pushing off all the extra food. Measuring a level cupful would involve the same process.

A small food scale is also very helpful especially for measuring meats. Make sure the scale measures ounces accurately.

Measure your foods until you can train your eye to be accurate. Check all your measurements every once in a while to be sure you are correct.

Foods which are eaten cooked should be measured after they are cooked. Fat that is used in cooking must be counted as a fat serving. Frying adds a great deal of fat. For example, a breast of chicken which has been rolled in flour and fried may add 1 starch group and 2 or more fat groups.



Calcium/Milk Group

One nonfat calcium/milk serving contains approximately 90 calories, 12 grams carbohydrates, 8 grams protein and a trace of fat.

Food	Measure	Food	Measure
Cheese (add 1 fat)		Fish, sardines, mackerel, salmon;	
Farmers	1 ounce	canned with bones (add 1 fat)	2 ounces
Parmesan	2 tablespoons		
Ricotta	1 ounce	Tofu made with calcium (add 1 fat)	1/2 cup
Cheese (add 2 fat)		Whole milk (add 2 fat groups)	
American	1 ounce	Whole milk	1 cup
Cheddar	1 ounce	Evaporated milk	1/2 cup
Mozzarella	1 ounce	Yogurt prepared with whole milk, unflavored	1 cup
Swiss	1 ounce		·
Dark green leafy vegetables*	3 cups		
Nonfat Milk		IN	
Skim milk or 1% milk	1 cup	SKIN MILK	
Nonfat dry milk powder	1/3 cup		
Evaporated skim milk	1/2 cup		NONFAT
Yogurt prepared with skim milk, unflavored	1 cup		NONF/ MILK POWDER
Low Fat Milk (add 1 fat)		1 Cup Skim Milk	PO
2% milk	1 cup		
Evaporated 2% milk	1/2 cup		p Nonfat Dry
Yogurt prepared with 2% milk, unflavored	1 cup		k Powder
Yogurt prepared with 2% milk, flavored		MILS ()	
(add 1 fruit)	1 cup		
		1/2 Cup Evaporated Milk	
*Calcium may not be well absorbed.		Add 2 Fat Exchanges	

Starch Group

One starch serving contains approximately 80 calories, 15 grams of carbohydrate and 3 grams of protein.

Food	Measure	Food	Measure
Bread		Coconut	
Biscuit (add 1 fat) Bread (white, whole wheat, rye, raisin, French)	1 (2" diameter) 1 slice	Immature meat (sponge) (add 1 fat) Water	1-3/4 cups 2 cups
Bread crumbs Bun, hamburger Bun, hot dog Cornbread (add 1 fat) English muffin Muffin, plain, small (add 1 fat) Noodles, chowmein (add 1 fat) Pancake (add 1 fat) Pita Roll, plain Taco shell (add 1 fat) Tortilla (unfried) Waffle (add 1 fat)	3 tablespoons 1/2 bun (4" diameter) 1/2 bun 1 (2" x 2" x 1") 1/2 1 1/2 cup 1 (4" diameter) 1 (6" diameter) 2 1 (6" diameter) 1 (4-1/2" diameter)	Crackers Fiji biscuits Creme Pilot Graham Melba toast Mochi Crunch Ritz, plain Ry Krisp, double square wafer Saloon pilot Saltines Soda Wheat Thins (add 1 fat)	1 1-1/2 3 (2-1/2" square) 4 (3-3/4" x 2") 1/4 cup 4 3 1 6 (2" square) 3 (2-1/2" square) 14
Cereals All cooked Bran Flakes, All Bran, Raisin Bran Bran (coarse texture) Cornmeal, dry Dry, puffed or flaked (not sugared) Granola Grape Nuts Shredded wheat Wheat germ	1/2 cup 1/2 cup 1/2 cup 1/3 cup 3/4 cup 1/4 cup 1/4 cup 1/2 cup 3 tablespoons		

Starch Group (Continued)

Food	Measure	Food	Measure
Flour Products		Starchy Vegetables (Continued)	
Cornstarch	2 tablespoons	Burdock (gobo)	1/2 cup
Flour	2-1/2 tablespoons	Breadfruit, cooked	1/4 cup
Noodles; cellophane	3/4 cup	Cassava	1/3 cup
Noodles; macaroni, spaghetti	1/2 cup cooked	Corn	1/2 cup
Saimin	1/2 cup	Corn on the cob	1 (6" long)
Stuffing	1/4 cup	Lima beans	1/2 cup
Won ton pi	6	Mixed vegetables	2/3 cups
		Parsnips	2/3 cup
Rice		Peas, green	1/2 cup
Long rice, cooked	1/2 cup	Pidgeon peas, pods	1/2 cup
Mochi	1 (2" x-1/2")	Plantain (green banana)	1/2 medium or 1/2 cup
Rice, cooked		Poi from taro or breadfruit, 2 finger	1/2 cup
Brown	1/3 cup	Popcorn (without butter)	3 cups
Instant	1/3 cup	Potatoes	
White, enriched	1/3 cup	White, whole	1 (" diameter)
		White, mashed, plain	1/2 cup
*Soup		$\sqrt{\text{Sweet potato or yams}}$	1/3 cup
Noodle/rice base	1 cup	Pretzels	3/4 ounce
Cream base (add 1 fat)	1 cup	√Pumpkin	3/4 cup
		Soybeans, green	1/2 cup
Starchy Vegetables		Squash, winter, yellow	3/4 cup
Arrowroot	2 ounces	Taro (raw and cooked)	1/2 cup (or-1/2" slice)
Artichoke	1 whole		1/2 oup (01 1/2 3100)
Barley	1-1/2 tablespoon		
Beans and peas; dried, cooked	1/3 cup		
Beans, baked	1/4 cup	★Food high in salt	

★Food high in salt √Good source of Vitamin A

Fruit Group

One fruit serving contains approximately 60 calories and 15 grams of carbohydrate. These fruit may be fresh, cooked, dried, or frozen **without sugar**.

Food	Measure	Food	Measure
Apple, fresh	1/2 medium or 1 small (2" diameter)	+Grapefruit, fresh	1/2 medium (3-1/2" diameter)
Apple, mountain	2 medium	+Grapefruit, canned sections	3/4 cup
Applesauce	1/2 cup	+Grapefruit, juice	1/2 cup
Apple juice	1/2 cup	+Guava, fresh	1 medium (2-1/2" diameter)
Apricots, fresh	4 medium		
Apricots, dried	7 halves	+Honeydew melon	1/8 medium (1 cup)
Apricots, canned	4 halves		
		Juice (other)	1/2 cup
Banana	1/2 medium or 1/2 cup		
Blueberries	3/4 cup	+Kiwi	1 large
√+Cantalope	1/3 of 5" diameter fruit (1 cup)	+Lychees	10 fruits or 1/2 cup
Cherries, fresh	12 pieces		·
Cherries, canned	1/2 cup	+Mandarin orange	3/4 cup
Cranberry juice cocktail	1/4 cup	√+Mango	1/2 cup or 1/2 small
Dates	2-1/2	Nectarine	1 (1-1/2" diameter)
Figs, fresh	2 medium	Ohelo berries	1-1/2 cups
Figs, canned	2	+Orange, fresh	1/2 large or 1 small
Fruit cocktail	1/2 cup	+Orange juice	1/2 cup
Fruit, dried	2 tablespoons		
Grapes, fresh	10 grapes, large or 15 small		
Grape juice, canned	1/3 cup		
Grape juice, frozen	1/3 cup		ce of vitamin C
	·	√Good source	ce of vitamin A

Fruit Group (Continued)

Food	Measure	Food	Measure
√+Papaya	1/2 medium or 1 cup cubed	Raisins	2 tablespoons
+Passion fruit juice Peach, fresh	1/2 cup 1 medium	Sourcon pulp	1/3 cup
Peach, canned	1/2 cup or 2 halves	Soursop, pulp +Starfruit	1-1/2 cups, cubed
-	-	+Strawberries	
Pear, fresh Pear, dried	1/2 large or 1 small	+Silawbernes	1-1/4 cups
Pear, canned	I 2 amall balvos ar 1/2 aun	Tangarina	2 medium
-	2 small halves or 1/2 cup 1/2 medium	+Tangerine	2 medium
Persimmon, Japanese Persimmon, native	1 medium	Watermelon	1 1/4 oup cubod
-		Watermeion	1-1/4 cup cubed
+Pineapple, fresh,	3/4 cup	`	
+Pineapple, canned in own juice	3/4 cup		
+Pineapple juice	1/2 cup 2 medium		
Plums, fresh			
Plums, canned	4		
+Poha berries	1 cup		
Pomegranate	1/2 medium		5
+Pomelo (Pommalo)	1 cup sections		
Prunes, dried	3 medium		
Prunes, juice	1/3 cup		
	سسمر		
	{	EXX	
	(N AN	

+Good source of vitamin C \sqrt{Good} source of vitamin A

Vegetable Group

One vegetable serving contains about 25 calories, 5 grams of carbohydrate and 2 grams of protein. One exchange is 1/2 cup.

+Asparagus Bamboo shoot Banana bud Bean sprouts Beans, goa (winged) Beans, green Beets Beet greens Bittermelon, fruit √+Broccoli +Brussel sprouts √Carrots +Cauliflower Celerv Chayote, fruit Chavote, leaves Collards Cucumber

Artichoke

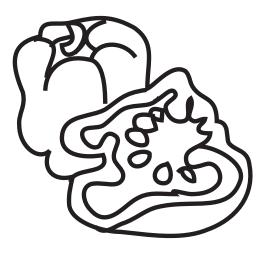
 $\sqrt{\text{Dandelion greens}}$

Eggplant

Gourd, dish cloth Gourd, white flowered +Green pepper √Kale Kohlrabi
Leeks
Mushrooms
Okra Onion, round
√Papaya green Pea pods
+Pepper, green or bell
√Pumpkin leaves
Rutabaga
√Spinach
√Squash, leaf tips
√Sweet potato leaves/shoots
√Swiss chard

+Taro leaves +Tomato, canned or fresh +Tomato juice Tomato paste Turnip √Turnip greens √+Vegetable juice

Water chestnuts Zucchini



+Good source of vitamin C $\sqrt{\text{Good source of vitamin A}}$

Vegetable Group (Continued)

These may be used as desired, raw or up to one cup cooked.

Cabbage - all kinds Celery VFern leaves and stems Green Onions Kombu seaweed Lettuce Nori seaweed Parsley +Radishes (includes daikon) VRadish leaves Watercress

+Good source of vitamin C $\sqrt{\text{Good source of vitamin A}}$

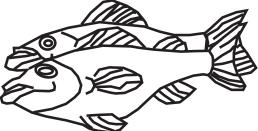
Protein/Meat Group A (lean)

The protein/meat groups have been divided into three groups according to the fat content. **Protein/Meat Group A** (lean). One protein/meat serving contains approximately 55 calories, 7 grams protein, and 3 grams fat.

Food		Measure	
	Chipped beef Lean chuck, flank steak, ground beef	1 ounce or 1 slice (3" x 2" x 1/4")	
	(less than 10% fat), porterhouse, T-bone, sirloin, tenderloin steaks, round, rump	1 ounce or 1 slice (3" x 2" x 1/4")	
⊁Beef jer	ky	3/4 ounce	
Cheese	Cheese containing less than 5% fat Cottage, dry or 2% butterfat Parmesan Farmers Ricotta	1 ounce or 1" cube 1/4 cup 2 tablespoons 1 ounce 1 ounce	
	(skin removed)	1 ounce or 1 slice (3" x 3" x 1/4")	N/ CS
Breast Drumstick Thigh		(5 pieces to one pound) 1 ounce or 1 slice (3" x 3" x 1/4") 1/2 piece (4 pieces to one pound)	
Egg	asted es, large	1 ounce or slice (3" x 3" x 1/4") Egg substitute 1/4 cup 3	4 B

Protein/Meat Group A (Continued)

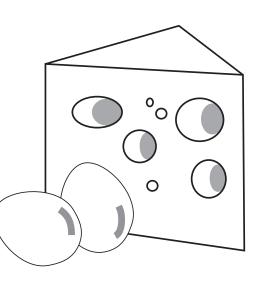
	Food	Measure
Fish	Abalone, catfish, lobster, mackerel (opelu) Ahi, cod, opakapaka, mahimahi,	1 oz.
	red snapper, sole Clams, cuttlefish, opihi, scallops,	1 oz. or 1 slice (3" x 3" x 1/4")
	shrimp, squid, octopus	1/3 cup
	Fish cake paste	1/4 cup
	★Salmon, canned, drained	1/4 cup
	★Sardines, canned in oil, drained	2 oz.
	Sea slug	1 cup
	★ Tuna, canned in water	1 oz.
Natto		1/4 cup
Pork	Lean leg	1 oz. or 1 slice (3" x 3" x 1/4")
Soyb	eans	1/3 cup
Turk	ey (skin removed) ★White and dark meat, roasted	
	★Turkey ham, turkey pastrami, turkey breast	1 oz. or 1 slice (3" x 3" x 1/4")
Veal	Chop or roast	
		1 oz. or 1 slice (3" x 2" x 1/4")



Protein/Meat Group B (medium fat)

Protein/Meat Group B (medium fat). One protein/meat serving contains approximately 75 calories, 7 grams protein, and 5 grams fat.

Food	Measure
Beef ★Corned beef Ground beef (15% fat) Rib eye	1 oz. or 1 slice (3" x 2" x 1/4") 1 oz. 1 oz. or 1 slice (3" x 2" x 1/4")
Cheese Cottage, creamed Mozzarella, Ricotta, Farmers, Gouda,	1/4 cup
Neufchatel	1 oz.
Chicken Wing with skin	1 wing (6 pieces to one pound)
Dog	1 oz.
Duck, Goose (skin and fat removed)	1 oz.
Lamb Lean leg, loin, rib, shank, shoulder, sirloin	1 oz. or 1 slice (3" x 2" x 1/4")
Pork ★Ham, butt, loin, shoulder, arm, picnic Shoulder blade, ★Canadian bacon	1 oz. or 1 slice (3" x 2" x 1/4") 1 oz. or 1 slice (3" x 2" x 1/4")
Tofu	1/3 cup or 3 oz. (1/6 of a block)
Turkey, ground	1 oz.
Egg, whole	1 large
Liver, heart, kidney, or sweetbreads	1 oz.



Protein/Meat Group C (high in fat)

Protein/Meat Group C (high in fat). One protein/meat serving contains approximately 100 calories, 7 grams protein, and 8 grams fat.

Food	Measure			
Beef Brisket Ground beef (20% or more fat) Lean short ribs Rib roast, club and rib steak Spare ribs (meat, without bone)	1 oz. 1 oz. 1 oz. 1 oz. or 1 slice (3" x 2" x 1/4") 1 oz.			
Cheese Cheddar, American, Monterey, Swiss, Provolone, Blue	1 oz. or 1" cube			
*Cold cuts	1 slice			
*Frankfurter	1 (10 to a pound)			
Lamb	1 oz. or 1 slice (3" x 2" x 1/4")			
⊁Luncheon meat	1 oz.			
Peanut butter	1 tablespoon			
Pork Spareribs, loins (back ribs), ground pork, country style ham	1 oz or 1 slice (3" x 2" x 1/4")			
★Sausage Lup chong, Portugese, Vienna	1 oz., link or pattie			
★Spam (canned luncheon meat)	1 oz.			
Turkey tail	1/2 oz.			
Wings Chicken Turkey	1 1/2			



Fat Group A (high in unsaturated fats)

The fat group have been divided into two sections, those which are high in unsaturated fats and those which are high in saturated fat.

Fat Group A - high in unsaturated fats. One fat serving contains approximately 45 calories and 5 grams of fat.

	Food		Measure	
Avoc	ado		1/8 of 4" diameter	
Dress	sings, Salad	All varieties Reduced calorie Mayonnaise Mayonnaise, reduced calorie	1 tablespoon 2 tablespoons 1 teaspoon 1 tablespoon	
Marg	arine (first ing	redient, liquid oil)	1 teaspoon	_
Nuts	Almonds Cashews Macadamia Peanuts Pecans Pistachio Walnuts Other nuts		6 1 tablespoon 1 tablespoon 1 tablespoon 1 tablespoon 4 halves (1 tablespoon) 1 tablespoon	OIL
Oil cottonseed, corn safflower, sesame, soybean and sunflower			1 teaspoon	
Olive	s , ripe		10 small or 5 large	
Sesame seeds			1 tablespoon	
Sunfl	ower seeds , shelled	unshelled	1/4 cup 1 tablespoon	
Tarta	ar sauce		2 teaspoons	

Fat Group B (high in saturated fats)

Fat Group A - high in saturated fats. One fat serving contains approximately 45 calories and 5 grams of fat.

Food	Measure	
Butter	1 teaspoon	
⊁Bacon , crisp	1 slice	
Cheese, cream	1 tablespoon	
Coconut Immature meat (sponge) Mature meat Cream, no water added Milk (1 cup water to 1 cup cream) Coconut, grated	1-3/4 cup (add 1 bread) 1 piece (1" x 1" x 3/8") 1 tablespoon 2 tablespoons 2 tablespoons	
Coffee whitener Liquid Powder	2 tablespoons 4 tablespoons or 1/4 cup	
Cream Table Whipped Whipping, heavy	2 tablespoons 2 tablespoons 1 tablespoon	
Margarine (first ingredient hydrogenated or hardened oil)	1 teaspoon	
⊁Salt pork	1/4 oz.	
Solid cooking fats, lard, shortening	1 teaspoon	\checkmark
Sour cream	2 tablespoons	⊁ Food high in salt.

Foods that Do Not Need to be Measured

Some foods and condiments have very little carbohydrate, protein or fat and can be used without measuring and with a few exceptions, as often as you like.

Beverages

Carbonated water, club soda Coffee, plain Soft drinks, artifically sweetened Sugar free drink mixes Tea, plain Water

Desserts

Gelatin desserts, artificially sweetened Sugar substitutes

Miscellaneous

Non stick pan sray Pickles, unsweetened Seaweeds Taco sauce (1 tablespoon)

*Soups

Bouillon, without fat Clear broth

Seasonings

Chives Fish sauce Garlic Ginger Mustard, dry or prepared Parsley Pepper *Salt (in moderation) *Soy Sauce (in moderation) Spices and herbs Tabasco sauce Vinegar



Other Foods for Occasional Use

Moderate amounts of some foods can be used in your meal plan, in spite of their sugar or fat content. The following list includes food group serving values for some of these foods. Because they are concentrated sources of carbohydrate, you will notice that the portion sizes are very small. Check with your nutritionist for advice on how often and when you can eat them.

*Alcohol - Beer Wine Whiskey, gin, rum, vodka (100 proof) Animal crackers Brownie, no frosting Cake, angel food or sponge Cake, no icing Cake, with icing Cookies Donut, cake	12 oz., can 4 oz.,-1/2 cup 1-1/2 oz. or 1 shot 8 crackers 1 (3" x1-1/2" x 7/8") cupcake size, flat top cupcake size, flat top cupcake size, flat top 2 small (1-3/4" across) 1	3-1/2 fat 2 fat 3 fat 1 starch 1 starch, 1 fat 1 starch, 1/2 fat 1 starch, 1 fat 1 starch, 2 fat 1 starch, 1 fat 1 starch, 1 fat 1 starch, 1 fat	
French fried potatoes	10	1 starch, 1 fat	
Frozen fruit yogurt	1/3 cup	1 starch	
Granola bars	1	1 starch, 1 fat	
Ice cream, any flavor	1/2 cup	1 starch, 2 fat	
Ice milk	1/2 cup	1 starch, 1 fat	
Jam, jelly, honey	1 tablespoon	1 fruit	
Jello	1/2 cup	1 fruit	
Juice drinks	12 oz. can	2-1/2 fruit	
Macaroni or Potato Salad	1/2 cup	1 starch, 3 fat	
Malasada	1	1 starch, 3-1/2 fat	
Manju	1 (2-3/8" diameter x 3/4")	1 starch	
Mochi	1 (2" diameter x-1/2")	1-1/2 starch	
Mochi with sweet bean filling	1 (2 1/4" diameter x-1/2")	1-1/2 starch	
Muffin	2" diameter	1 starch, 1 fat	
Pie, fruit	1/8 pie	2 starch, 1 fruit, 3 fat	
Popsicle	1/2 twin pop	1 fruit	
Sherbert, any flavor	1/4 cup	1 starch	
Soda, sweetened	12 ounce can	2-1/2 fruits	
Snack chips, all varieties	1 ounce	1 starch, 2 fat	
Sugar	1 tablespoon	1 fruit	
Sugar cane, stalk, peeled	4 ounce	1 fruit 1 storeb	*Because of minimal nutrient value,
Vanilla wafers	6 small	1 starch	fat is used as the equivalent exchange
Yogurt with fruit	1 cup	1 milk, 1 fruit, 1 fat	iat is used as the equivalent exchange

Common Recipes

Recipe	Measure	Food Group
Adobo, chicken or pork	4 oz.	3 "A" protein/meat, 1-1/2 fat
Ahi, baked	3 oz.	3 "A" protein/meat, 1 fat
Chicken, baked, without skin Chicken Curry with	4 oz.	4 "A" protein/meat
coconut milk on noodles	1 cup	1/2 vegetable, 3 starch, 2 "A" protein/meat, 3-1/2 fat
Chicken Laulau	3 oz. chicken and 1 cup taro leaves	2 vegetable, 3 "A" protein/meat
Chicken Nishime	1 cup	1/2 vegetable, 1/2 starch, 7 "A" protein/meat
Chili	1 cup	2 starch, 2 "B" protein/meat
Dim sum, half moon	1 (3-1/2" long)	1 starch, 1 fat
Eggplant with hot garlic sauce and pork	1 cup	1-1/2 vegetable, 2 "B" protein/meat, 2-1/2 fat
Fish ball soup	2 cups	1/2 vegetable, 3-1/2 "A" protein/meat
Fish, baked, poached or steamed	4 oz.	3-1/2 "A" protein/meat, 1/2 fat
Fried rice with beef	1 cup	1-1/2 starch, 1 "B" protein/meat, 1 fat
	·	
Green papaya salad	1 cup	1/2 vegetable, 1/2 fruit, 1-1/2 fat
Hawaiian pancake with		
bananas and peanut butter	4 oz. (2 pancakes)	1/2 fruit, 1-1/2 starch, 1/2 "A" protein/meat, 2-1/2 fat
Hulihuli chicken	4 oz. meat	4 "B" protein/meat, 1/2 fat
Jai	1-1/2 cup	4 vegetable, 1/2 "A" protein/meat, 2-1/2 fat
Kalua Pig	4 oz.	3 "B" protein/meat, 2 fat

Common Recipes (Continued)

Recipe	Measure	Food Group
Lemon Chicken	6 oz.	4-1/2 "A" protein/meat, 2 fat
Lomilomi salmon	4 oz.	1 vegetable, 2 "A" protein/meat
Lumpia	3 oz.	1/2 vegetable, 1/2 starch, 1/2 "B" protein/meat, 4-1/2 fat
Malay Noodle stir fry		
(chicken and cabbage on rice)	1 cup	1 vegetable, 1-1/2 starch, 1 "A" protein/meat, 1 fat
Manapua	1 (3-1/2" diameter, 1 5/8")	
Maple syrup shoyu chicken	4 oz.	4 "A" protein/meat, 2 fat
Mohinga	1-1/2 cup	1 vegetable, 1-1/2 starch, 1-1/2 "A" protein/meat, 1/2 fat
(fish soup with rice and spaghetti)		
Pasta Salad	1/2 cup	1 vegetable, 1 starch, 2 fat
Pork and beans	1/2 cup	1 starch, 1 "C" protein/meat
Portuguese sausage and baked beans	1/2 cup	1 starch, 1-1/2 "C" protein/meat, 3 fat
Portuguese sweet starch	2 oz. slice	1-1/2 starch, 1 fat
Potato salad	1/2 cup	1 starch, 3 fat
Pudding, taro or starchfruit	1/2 cup	2 starch, 2 fat
Spaghetti with meat sauce	1 cup	1-1/2 starch, 2 "B" protein/meat, 1 vegetable
Sushi, norimaki	1 (1" thick)	1 starch
Sushi, inari	1 cone	2 starch
Tempura, fishcake Tofu with black bean sauce	1 cake (4 ounce)	1 starch, 1-1/2 "A" protein/meat
and black mushrooms	1 cup	1 starch, 5 "B" protein/meat, 2 fat
Watercress soup with pork	1-1/2 cup	1 vegetable, 1 "B" protein/meat
Wonton chips	1/2 cup (20 pieces)	1 starch, 1 fat
Wonton, crisp	3 small	1 starch, 2 fat

Nutrient Value and Food Groups of Plate Lunches^{1,2}

			Fat		FOOD GROUPS				
Amounts		Calories (g)		(g)	Starch Frui		Vegetable	Protein/Meat	Fat
МАНІМАНІ									
with 2 scoops rice	7 oz. fish, 1-1/2 cup rice	650	12	46	5			5(A)	
★with macaroni salad, tartar sauce	3/4 cup salad, 3T tartar sauce	1153	58	49	7			5(A)	8
\star with macaroni salad, no tartar sauce	3/4 cup salad	933	34	49	7			5(A)	4
\star with tossed salad, french dressing, tartar sauce	1 cup salad, 3T dressing, 3T tartar sauce	1035	50	47	5-1/2		1/2	5(A)	7
\star with tossed salad, french dressing, no tartar sauce	1 cup salad, 3T dressing	815	27	47	5-1/2		1/2	5(A)	3
with tossed salad, no dressing, no tartar sauce	1 cup salad	661	12	47	5-1/2		1/2	5(A)	
with tossed salad, no dressing, tartar sauce	1 cup salad, 3T tartar sauce	880	35	47	5-1/2		1/2	5(A)	4
CHICKEN KATSU									
with 2 scoops rice	9 oz. chicken, 1-1/2 cup rice	1105	48	60	5			7(A)	4
★with macaroni salad	3/4 cup salad	1356	68	63	7			7(A)	8
★with tossed salad, french dressing	1 cup salad, 2T dressing	1237	61	61	5		1/2	7(A)	7
\star with tossed salad, no dressing	1 cup salad	1104	48	61	5		1/2	7(A)	4
TERI BEEF									
with 2 scoops rice	5 oz. beef, 1-1/2 cup rice	790	23	52	5			5(B)	
★with macaroni salad	3/4 cup salad	1093	47	55	7			5(B)	4
★with tossed salad, french dressing	1 cup salad, 2T dressing	982	41	53	5		1/2	5(B)	3
\star with tossed salad, no dressing	1 cup salad	798	23	53	5		1/2	5(B)	
HAMBURGER									
with 2 scoops rice	5 oz. ground beef, 1-1/2 cup rice	708	34	43	5			5(B)	2
★with macaroni salad, gravy	3/4 cup salad, 1/4 cup gravy	1134	59	47	7			5(B)	7
★with tossed salad, french dressing, gravy	1 cup salad, 2T dressing, 1/4 cup gravy	1026	53	45	5		1/2	5(B)	6
with tossed salad, no dressing, no gravy	1 cup salad	816	34	44	5		1/2	5(B)	2

 1 All values are averages of 7 to 9 samples obtained from 5 to 8 plate lunch establishments. 2 Nutrients values were calculated based on average weights of each item on the sample plates.

Fast Food Restaurants

Food	Measure	Calories	Food Group
Burger King			
Hamburger	1	272	2 starch, 2 "B" protein/meat
Cheeseburger	1	317	2 starch, 2 "B" protein/meat, 1 fat
Whopper Jr.	1	322	2 starch, 2 "B" protein/meat, 1 fat
Chicken Tenders			
with BBQ dipping sauce	6 pieces	275	1 starch, 2 "B" protein/meat, 2 fat
BK Broiler	1 sandwich	265	2 starch, 3 "A" protein/meat
BK Broiler Sauce	1 order	90	2 fat
Garden Salad	1	90	1 vegetable, 1 fat
Salad bar without dressing	1	28	1 vegetable
Reduced calorie Italian			
salad dressing	1 pkg.	30	1/2 fat
French Fries	Regular	235	1-1/2 starch, 2 fat
Dairy Queen			
Single Hamburger	1	310	2 starch, 3 "B" protein/meat, 1 fat
Hot Dog	1	280	1-1/2 starch, 1 "B" protein/meat, 2 fat
BBQ Beef Sandwich	1	225	2 starch, 2 "A" protein/meat
Grilled Chicken	1	300	2 starch, 3 "A" protein/meat
Fillet Sandwich	1	300	2 starch, 3 "A" protein/meat
Fish Sandwich	1	400	3 starch, 2 "B" protein/meat, 1 fat
French Fries	Small	210	2 starch, 2 fat
Cone	Regular	230	2-1/2 starch, 1 fat
DQ Sandwich	1	140	1-1/2 starch, 1 fat
Dilly Bar	1	210	1-1/2 starch, 2 fat
Yogurt Cone	Regular	180	2-1/2 starch
Domino's Pizza			
Cheese Pizza, 16" large	2 slices	376	4 starch, 2 "B" protein/meat
Ham Pizza, 16" large	2 slices	417	4 starch, 2 "B" protein/meat

Fast Food Restaurants (Continued)

Food	Measure	Calories	Food Group
Kentucky Fried Chicken			
Original Recipe			
Breast	1	260	1/2 starch, 3 "B" protein/meat
Drumstick	1	152	2 "B" protein/meat
Skinfree Crispy			
Breast	1	296	1 starch, 3 "B" protein/meat
Drumstick	1	166	2 "B" protein/meat
Mashed Potatoes with Gravy	1	71	1 starch
Corn-on-the-Cob	1	90	2 starch
Cole Slaw	1	114	2 vegetable, 1 fat
McDonald's			
Hamburger	1	225	2 starch, 1 "B" protein/meat, 1 fat
Quarter Pounder	1	410	2 starch, 3 "B" protein/meat, 1 fat
McLean Deluxe	1	320	2 starch, 3 "A" protein/meat
McLean Deluxe with Cheese	1	370	2 starch, 3 "A" protein/meat, 1 fat
Chicken McNuggets	6 pieces	270	1 starch, 2 "B" protein/meat, 1 fat
French Fries	Medium	320	2-1/2 starch, 3 fat
Garden Salad	1	50	1 vegetable
Chef Salad	1	170	1 vegetable, 2 "B" protein/meat
Lite Vinaigrette Dressing	2 oz. packet	48	1 fat
Egg McMuffin	Regular	280	2 starch, 2 "B" protein/meat
Scrambled Eggs	1	140	2 "B" protein/meat
English Muffin with Butter	1	170	2 starch, 1 fat
Apple Bran			
or Blueberry Muffin	1	180	2-1/2 starch
Vanilla Lowfat Frozen			
Yogurt Cone	1	105	1-1/2 starch

Fast Food Restaurants (Continued)

Food	Measure	Calories	Food Group	
Pizza Hut				
Thin-n-Crispy, Cheese,				
12" medium pizza	2 slices	398	2 starch, 1 "B" protein/meat, 1 vegetable	
Hand-Tossed Pizza,				
Pepperoni, 12" medium	.	100		
pizza	2 slices	492	4 starch, 3 "B" protein/meat	
Pan Pizza, Cheese,	Qaliana	400	A starsh 2 "D" protoin/month	
12" medium pizza	2 slices	492	4 starch, 3 "B" protein/meat	
Subway				
Cold Cut Combo Sub	6"	427	3 starch, 2 "B" protein/meat, 2 fat	
Protein/meatball sub	6"	459	3 starch, 2 "B" protein/meat, 2 fat	
Turkey Breast Sub	6"	322	3 starch, 3 "B" protein/meat	
Roast Beef Sub	6"	345	3 starch, 2 "B" protein/meat	
Taco Bell				
Bean Burrito	1	427	4 starch, 1 "B" protein/meat, 2 fat	
Beef Burrito	1	402	2-1/2 starch, 2 "B" protein/meat, 1 fat	
Tostada	1	243	1 starch, 2 "B" protein/meat, 1 fat	
Taco	1	184	1 starch, 2 "A" protein/meat	
Soft Taco	1	213	1 starch, 1-1/2 "B" protein/meat, 1 fat	
Fajita Steak with Guacamole	1	269	1 starch, 2 "B" protein/meat, 1 fat	
Chicken Fajita	1	225	1 starch, 2 "B" protein/meat	