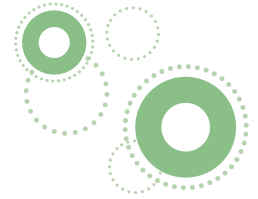




## DIETARY TIPS: ANTI-INFLAMMATORY DIET



It is becoming increasingly clear that chronic inflammation is the root cause of many serious illnesses - including heart disease, many cancers, and Alzheimer's disease. We all know inflammation on the surface of the body as local redness, heat, swelling and pain. It is the cornerstone of the body's healing response, bringing more nourishment and more immune activity to a site of injury or infection. But when inflammation persists or serves no purpose, it damages the body and causes illness. Stress, lack of exercise, genetic predisposition, and exposure to toxins (like second-hand tobacco smoke) can all contribute to such chronic inflammation, but dietary choices play a big role as well. Learning how specific foods influence the inflammatory process is the best strategy for containing it and reducing long-term disease risks.

### GENERAL TIPS

- Aim for variety.
- Include as much fresh food as possible.
- Minimize your consumption of processed foods and fast food.
- Eat an abundance of fruits and vegetables.

### CALORIC INTAKE

- Most adults need to consume between 2,000 and 3,000 calories a day.
- Women and smaller and less active people need fewer calories.
- Men and bigger and more active people need more calories.
- If you are eating the appropriate number of calories for your level of activity, your weight should not fluctuate greatly.
- The distribution of calories you take in should be as follows: 40 to 50 percent from carbohydrates, 30 percent from fat, and 20 to 30 percent from protein.
- Try to include carbohydrates, fat, and protein at each meal.

### PROTEINS

- On a 2,000-calorie-a-day diet your daily intake of protein should be between 80 and 120 grams. Eat less protein if you have liver or kidney problems, allergies, or autoimmune disease.
- Decrease your consumption of animal protein except for fish and high quality natural cheese and yogurt.
- Eat more vegetable protein, especially from beans in general and soybeans in particular.
- Become familiar with the range of whole soy foods available and find ones you like.

### CARBOHYDRATES

- On a 2,000-calorie-a-day diet, adult women should consume between 160 to 200 grams of carbohydrates a day.
- Adult men should consume between 240 to 300 grams of carbohydrates a day.
- The majority of this should be in the form of less-refined, less-processed foods with a low glycemic load.
- Reduce your consumption of foods made with flour and sugar, especially bread and most packaged snack foods (including chips and pretzels).
- Eat more beans, winter squashes, and sweet potatoes.
- Eat more whole grains (not whole-wheat flour products) such as brown rice and bulgur wheat, in which the grain is intact or in a few large pieces.
- Cook pasta al dente and eat it in moderation.
- Avoid products made with high fructose corn syrup.

### FATS

- On a 2,000-calorie-a-day diet, 600 calories can come from fat - that is about 67 grams. This should be in a ratio of 1:2:1 of saturated to monounsaturated to polyunsaturated fat.
- Reduce consumption of saturated fat, especially from meat and unskinned chicken; avoid products made with palm kernel oil.
- Use extra-virgin olive oil as a main cooking oil. If you want a neutral tasting oil, use expeller-pressed grape seed oil or organic expeller-pressed canola oil. Organic, high-oleic, expeller pressed versions of sunflower and safflower oil are also acceptable.
- Avoid regular safflower and sunflower oils, corn oil, cottonseed oil, and mixed vegetable oils.



- Strictly avoid margarine, vegetable shortening, and all products listing them as ingredients. Strictly avoid all products made with partially hydrogenated oils of any kind. Avoid products made with refined soybean oil.
- Include in your diet avocados and nuts, especially walnuts, cashews, almonds, and nut butters made from these nuts.
- For omega-3 fatty acids, eat salmon (preferably fresh or frozen wild or canned sockeye), sardines packed in water or olive oil, herring, black cod (sablefish, butterfish), omega-3 fortified eggs; hemp seeds and flaxseeds (preferably freshly ground) and walnuts; or take a fish oil supplement (look for products that provide both EPA and DHA, in a convenient daily dosage of 2-3 grams).

### FIBER

- Try to eat 40 grams of fiber a day. You can achieve this by increasing your consumption of fruit, especially berries, vegetables (especially beans), and whole grains.
- Ready-made cereals can be good fiber sources, but read labels to make sure they give you at least 4 and preferably 5 grams of bran per one-ounce serving.

### PHYTONUTRIENTS

- Eat a variety of fruits, vegetables and mushrooms to get maximum natural protection against age-related diseases (including cardiovascular disease, cancer, and neurodegenerative disease) as well as against environmental toxicity.
- Choose fruits and vegetables from all parts of the color spectrum, especially berries, tomatoes, orange and yellow fruits, and dark leafy greens.
- Choose organic produce whenever possible. Learn which conventionally grown crops are most likely to carry pesticide residues and avoid them (visit [www.foodnews.org](http://www.foodnews.org)).
- Eat cruciferous (cabbage-family) vegetables regularly.
- Include soy foods in your diet (such as edamame, soy nuts, soy milk, tofu, tempeh).
- Drink tea instead of coffee, especially good quality white, green or oolong tea.
- If you drink alcohol, use red wine preferentially and in moderation.
- Enjoy plain dark chocolate in moderation (with a minimum cocoa content of 70%).

### VITAMINS AND MINERALS

- The best way to obtain all of your daily vitamins, minerals, and micronutrients is by eating a diet high in fresh foods with an abundance of fruits and vegetables.
- In addition, supplement your diet with the following antioxidant cocktail: Vitamin C: 200 milligrams a day + Vitamin E: 200-400 IU of natural mixed tocopherols (d-alpha-tocopherol with other tocopherols, or, better, a minimum of 80 milligrams of natural mixed tocopherols and tocotrienols) + Selenium: 200 micrograms of an organic (yeast-bound) form + Mixed carotenoids: 10,000 IU daily.
- The antioxidants can be most conveniently taken as part of a daily multivitamin/multimineral supplement that also provides at least 200-400 micrograms of folic acid and 1000 IU of vitamin D. It should contain no iron (unless you are a female and having regular menstrual periods) and no preformed vitamin A (retinol). Take these supplements with your largest meal.
- Women should consider supplemental calcium, preferably as calcium citrate, 300-500 milligrams a day, depending on their dietary intake of this mineral. Men should avoid supplemental calcium.

### OTHER DIETARY SUPPLEMENTS

- If you are not eating oily fish at least twice a week, take a supplemental fish oil, in capsule or liquid form (2-3 grams a day of a product containing both EPA and DHA). Look for molecularly distilled products certified to be free of heavy metals and other contaminants.
- Talk to your doctor about going on low-dose aspirin therapy, one or two baby aspirins a day (81 or 162 milligrams).
- If you are not regularly eating ginger and turmeric, consider taking these in supplemental form.
- Add CoQ10 to your daily regimen: 60-100 milligrams of a softgel form taken with your largest meal.
- If you are prone to metabolic syndrome, take alpha-lipoic acid, 100-400 milligrams a day.

### WATER

- Drink pure water, or drinks that are mostly water (tea, very diluted fruit juice, sparkling water with lemon) throughout the day.
- Use bottled water or get a home water purifier if your tap water tastes of chlorine or other contaminants, or if you live in an area where the water is known or suspected to be contaminated.