

Preventing and Treating Iron Deficiency

Iron is an element critical to formation of red blood cells. Chronic lack of iron eventually leads to anemia (low red-blood-cell count). Anemia can cause fatigue, irritability and headaches (although these common symptoms can also occur with other medical conditions and in otherwise healthy people). Many people, particularly children and menstruating teens and women, find it challenging to include enough iron in their diets to maintain red-blood-cell formation. Others at risk to develop iron-deficiency anemia include those who lose blood through their gastrointestinal tract, those with inadequate vitamin C intake, those who diet to lose weight, and those who have had major surgery. Anemia is diagnosed by a simple blood test.

Daily iron requirements: How much do you need?

Age	Males	Females
Infants < 6 months	No supplement	No supplement
Infants > 6 months, Formula Fed	Iron-fortified formula	Iron-fortified formula
Infants > 6 months, Breast Fed	10 mg.	10 mg.
Adolescents & Adults < 50 years	10 mg.	15 mg.
Adults > 50 years	10 mg.	10 mg.

Food Sources of Iron

There are many excellent food sources of iron. Please see the next page for iron content in common foods. Iron from animal sources is more efficiently absorbed than is iron from plant sources. However, iron absorption from all foods can be enhanced in several ways:

- Eat foods rich in vitamin C, such as orange or grapefruit juice.
- Cook in iron pots and pans.
- Avoid caffeine when eating iron-rich foods since caffeine reduces iron absorption.
- Infants who are formula fed generally should drink iron-fortified formulas; breast-fed infants should begin iron-fortified cereals at age 6 months.

Iron Supplements

An oral iron supplement may be recommended for some persons. If you are not iron deficient, you should not take such a supplement because too much iron can be harmful. There are several iron supplements available without a prescription. All may cause some gastric distress or constipation, although individual reactions may differ. You may tolerate one product better than another. Taking iron supplements with food decreases such symptoms. All are better absorbed on an empty stomach, taken with orange or grapefruit juice or vitamin C. Avoid taking supplements with milk or calcium supplements, which decrease iron absorption. Some iron supplement examples are:

- Ferrous Sulfate (such as Slow Fe, Feosol, Fer-In-Sol): usually the cheapest form, well absorbed, can cause gastric distress or constipation.
- Ferrous Gluconate (such as Fergon): slightly more expensive and causes less gastric distress.
- Ferrous Fumarate (such as Ferro-Sequels): similar to ferrous gluconate; contains stool softener.

Common Foods and Iron Content

FOOD	AMOUNT	IRON (mg.)	CALORIES
Beef			
Liver, beef, braised	3.5 oz.	6.77	161
Round, top, sep lean, prime broiled, 1/4" fat trim	3.5 oz.	2.88	215
Ground, lean, baked medium	3.5 oz.	2.09	268
Pork			
Loin, sep lean, braised	3.5 oz.	1.40	273
Poultry			
Turkey, no skin, roasted	3.5 oz.	1.78	170
Chicken, breast, no skin, roasted	1/2 breast	0.89	142
Chicken, thigh, no skin, roasted	1 thigh	0.68	109
Chicken drumstick, no skin, roasted	1 drumstick	0.57	76
Fish, Shellfish			
Clams, cooked by moist heat	3 oz. (19 small)	23.76	126
Mussels, blue, cooked by moist heat	3 oz.	5.71	147
Trout, rainbow, cooked by dry heat	3 oz.	2.07	129
Ocean perch, cooked by dry heat	3 oz.	1.00	103
Grains and Grain Products			
Bran Flakes, Kellogg's	3/4 cup (1 oz.)	18.00	90
Spaghetti, enriched, cooked	1 cup	1.96	197
Tortilla, corn, enriched	1 tortilla	1.42	67
Bread, whole wheat, Roman Meal	1 oz. slice	1.20	65
Oats, regular/quick/instant dry	1/3 cup (1 oz.)	1.14	104
Vegetables/Fruits			
Kidney beans, boiled	1 cup	5.20	225
Beans, baked, Van De Camp's	1 cup	3.60	260
Spinach, boiled	1/2 cup	3.21	21
Potato, baked, with skin	1 potato	2.75	220
Prunes, dried	10 prunes	2.08	201
Raisins, seedless	2/3 cup	2.08	300
Apricots, dried, sulfured	10 halves	1.65	83
Peas, green, frozen, boiled	1/2 cup	1.26	63
Tomato juice	6 fluid oz.	1.06	32
Dates, dried	10 dates	0.96	228
Turnip greens, boiled and chopped	1/2 cup	0.57	15
Misc. foods			
Molasses, blackstrap	1 Tablespoon	3.50	47
Molasses, regular	1 Tablespoon	0.94	53
Peanut butter, chunk style/crunchy	2 Tablespoon	0.61	188
Peanut butter, creamy/smooth	2 Tablespoon	0.53	188
Sunflower seeds, dried	1 oz.	1.98	162

Daily Iron Requirements: Children over 6 months old: 10 mg. per day; menstruating teens and adult women: 15 mg. per day; non-menstruating adult women and men: 10 mg. per day.