

Daily Dose on Vitamins and Minerals

Multivitamin

Limited intake of iron-rich foods

A multivitamin is recommended during certain stages of certain disease states.	f life including during weight loss and if experiencing
General health/preoperative guidelines:	
 100–200% Recommended Dietary Intake (RDI) Menstruating women: 18 mg iron Non-menstruating women: 8 mg iron 	O No gummies, energy formulas or extra herbal
	supplements
	 Suggested options: Centrum, One a Day, Nature Made or generics of these brands
Postoperative bariatric surgery:	
O Choose multivitamin from either Celebrate or Bariatric	Advantage brands.
intake is 1000–12000 mg in divided doses. Common foo	ım that are not recommended include calcium carbonate,
Common reasons for calcium deficiency:	
O Low intake of calcium-rich foods	O Low vitamin D levels
O Surgeries that affect absorption of nutrients	 Long-term use of acid-reducing drugs
General health/preoperative guidelines:	
 Anyone less than 50 years old: aim for 500 mg twice daily for a total of 1000 mg 	 Women older than 50 or pregnant: aim for 600 mg twice daily for a total of 1200–1500 mg
Postoperative bariatric surgery:	
 Men: aim for 500 mg twice daily for a total of 1000 mg 	 Women: aim for 500 mg three times daily for a total of 1500 mg
Common name brand forms of calcium citrate include Citr	rical and its generics.
Iron Iron is a mineral in your body that is important for build system function, detoxification and growth and develop develop iron deficiency/anemia, which means your body Common foods that are high in iron include meat, beans	ment. When your iron becomes too low, you may does not have enough iron to make blood cells normally.
Common reasons for iron deficiency include:	
O Long-term use of acid-reducing drugs	Bleeding inside your body
Heavy menstrual cycles	Bariatric surgery



Four tests make up an iron panel:	
O Iron: measures iron circulating in your blood stream	 Ferritin: measures iron stored in your liver
 TIBC: searches for extra iron in the body and accessibility of iron stores 	 Percent saturation: measures amount of iron bound to red blood cells
Symptoms of iron deficiency may include:	
 Shortness of breath 	○ Headache
Feeling dizzy/lightheaded	O Brittle nails
Feeling cold	○ Hair loss
If iron deficiency persists, it can increase the risk for develo	oping an infection and heart problems.
Do not take iron and calcium supplements together as they do not take iron with any coffee or tea products.	y compete for absorption; take them two hours apart. Also,
Vitamin D Vitamin D is fat-soluble and is found in calcium-rich food tuna. Your skin can also make it after sun exposure. Vita supplements. Also, it is important for immunity, growth	min D helps the body absorb calcium from food and
Common reasons for vitamin D deficiency:	
Being overweight or obese	Gastrointestinal surgeries
 Limited exposure to sunlight 	○ Kidney disease
Having a darker skin tone	
Symptoms of vitamin D deficiency may include:	
Muscle tics, twitches or spasms	Loss of balance/increased falling
 Unexplained fractures 	Arrhythmia/hypertension
○ Seizure	○ Fatigue
O Depression (seasonal affective disorder)	
Thiamine (B1) Thiamine, also known as B1, is one of eight B vitamins. T carbohydrates from the food you eat and breaks it down stores very little thiamine, so deficiencies can happen ve are vomiting. Food sources high in thiamine include who	n into energy for your brain, nerves and heart. Your body ery quickly, especially if you are not eating much or if you
Common reasons for thiamine deficiency:	
Persistent vomiting	O Inconsistencies in taking daily multivitamin/minerals
 Poor dietary intake including high intake of refined carbohydrates and highly processed meats 	
Symptoms of thiamine deficiency may include:	
 Loss of appetite 	Burning feet
○ Fatigue	○ Headache
Difficulty concentrating	 Constipation
○ Weakness	Confusion
○ Sleepiness	 Difficultly talking/swallowing
 Leg and foot cramping 	

Vitamin B12

Loss of pigment in skin

Vitamin B12 is water-soluble and one of eight B vitamins. It is important for the function of your nerves and for the production of energy in your cells. B12 also works with folic acid to make red blood cells. It is common for people with a B12 deficiency to develop anemia. B12 is commonly found in animal products such as meat and eggs.

Common reasons for B12 deficiency:	
O Prolonged use of Metformin	Heavy alcohol use
O Bariatric surgery or other procedures that effect	O Vegetarian or vegan diet
absorption Long-term use of acid-reducing drugs	 Conditions effecting the small intestine like Crohn's o celiac disease
Symptoms of B12 deficiency may include:	
○ Fatigue	○ Sore/swollen tongue
O Dizziness or heart palpitations	O Poor appetite
○ Shortness of breath	 Memory issues/neurological issues
 Numbness and tingling of hands and feet 	
Zinc Zinc is a mineral involved in numerous body functions in development, skin and hair health and wound healing. B distinct symptom of deficiency. Good sources of zinc inc	ecause zinc affects so many systems, there is no single
Common reasons for zinc deficiency:	
O Inconsistency with multivitamin supplementation	Taking large doses of iron or copper for prolonged
O Persistent diarrhea	periods of time
O Vegetarian or vegan diet	
Signs of zinc deficiency may include:	
O Diminished smell and taste	○ Low libido
O Poor wound healing	○ Canker sores
○ Hair loss	 Deformed nails
 Roughness of skin/rashes 	
Copper Copper is a mineral involved in the production of red blo primarily absorbed in the stomach. Good sources of cop	
Symptoms of copper deficiency may include:	
O Low body temperature	Thyroid problems
O Bone fractures	O Poor response to iron repletion
O Low white blood cell count	O Zinc deficiency
○ Irregular heartbeat	 Numbness/tingling in lower extremities

NOTE: Existing zinc and copper deficiencies can contribute to ineffective iron repletion or lowering iron levels. Repletion of these two minerals should be accomplished under the supervision of a healthcare professional as excess amounts can mineralize in the liver and cause toxic levels.		
Reasons for deficie	ncy include:	
Interactions with zinc, calcium and iron supplementsLow vitamin A levels	Surgeries causing malabsorptionIntestinal diseases such as Crohn's or celiac sprue	
	○ Kidney disease	
Multivitamin:		
Calcium:		
Iron:		
B12:		
TIME OF DAY		VITAMIN/MINERAL
5 a.m.		
6 a.m.		
7 a.m.		
8 a.m.		
9 a.m.		
10 a.m.		
11 a.m.		
12 p.m.		
1 p.m.		
2 p.m. 3 p.m.		
4 p.m.		
5 p.m.		
6 p.m.		
7 p.m.		
8 p.m.		
9 p.m.		
10 p.m.		
11 p.m.		

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Daily protein needs (in grams): ______ Grams of protein/day: _____

Daily fiber needs (in grams): ______ Daily calorie needs: _____