

Daily Dose on Vitamins and Minerals

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Limited intake of iron-rich foods

A multivitamin is recommended during certain stages of certain disease states.	flife including during weight loss and if experiencing	
General health/preoperative guidelines:		
○ 100–200% Recommended Dietary Intake (RDI)	 No gummies, energy formulas or extra herbal 	
O Menstruating women: 18 mg iron	supplements	
O Non-menstruating women: 8 mg iron	 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.	
	on food sources include dairy products, dark leafy greens, um 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 600 mg twice daily for a total of 1200 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	oment. When your iron becomes too low, you may y 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	O 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	○ 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:	
 Excess weight 	 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:	
O Loss of appetite	Burning feet
○ Fatigue	○ Headache
Difficulty concentrating	 Constipation
○ Weakness	Confusion
○ Sleepiness	 Difficulty talking/swallowing
 Leg and foot cramping 	

Vitamin B12

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
 Bariatric surgery or other procedures that effect absorption 	Vegetarian or vegan dietConditions affecting the small intestine like Crohn's or
O Long-term use of acid-reducing drugs	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
O Numbness and tingling of hands and feet	
Zinc Zinc is a mineral involved in numerous body functions i development, skin and hair health and wound healing. distinct symptom of deficiency. Good sources of zinc in	Because 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	O Low libido
O Poor wound healing	○ Canker sores
O Hair loss	Deformed nails
Roughness of skin/rashes	
Copper Copper is a mineral involved in the production of red bl primarily absorbed in the stomach. Good sources of co	
Symptoms of copper deficiency may include:	
O Low body temperature	Thyroid problems
O Bone fractures	 Poor response to iron repletion
O Low white blood cell count	Zinc deficiency
O Irregular heartbeat	 Numbness/tingling in lower extremities
O Loss of pigment in skin	

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 deficien	ncy include:		
Interactions with zinc, calcium and iron supplementsLow vitamin A levels		Surgeries causing malabsorptionIntestinal diseases such as Crohn's or celiac sprue	
		O Kidney disease	
Multivitamin:			
Calcium:			
Iron:			
B12:			
Other:			
Other:			
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.			
Daily protein needs (ii	n grams):	Grams of protein/day:	
Daily fiber needs (in g		Daily calorie needs:	