Phosphorus

What is phosphorus?

Phosphorus is an important mineral in the body that helps build bone and teeth. Phosphorus is needed for the body to create energy via adenosine triphosphate (ATP).



How is phosphorus affected in dialysis patients?

The kidneys are responsible for excreting phosphorus. When the kidneys fail, phosphorus can build up in the blood and will cause calcium to leave the bone and enter the blood. Calcium leaving the bone can cause weak and painful bones. Excess phosphorus and calcium in the blood can build up in the soft tissues causing damage.

Phosphorus Containing Foods:

HIGH PHOSPHORUS FOOD >120mg	Serving Size	Mg/Serving	MED. PHOSPHORUS FOOD 70-120 mg	Serving Size	Mg/Serving
Beans	¹ / ₂ cup	210 mg	Peas	¹∕₂ cup	84 mg
Chicken	3 oz	155 mg	Oysters	3 oz	120 mg
Turkey	3 oz	173 mg	Shrimp	3 oz	120 mg
Salmon	3oz	252 mg	Crab	3 oz	120 mg
Ground Beef	3 oz	161 mg	Egg	1	99 mg
Milk	1 cup	127 mg	Peanut Butter	2 Tbs	92 mg
Cheddar Cheese	1 oz	146 mg	Parmesan Cheese	2 Tbs.	72 mg
Yogurt	1 cup	385 mg	Blue Cheese	1 oz	110 mg
Baked Potato	1	141 mg	Cottage Cheese	¹ / ₄ cup	92 mg
Pumpkin seeds	1 oz	354 mg	Granola Bar	1	70 mg
Soybeans	1 oz	182 mg	Corn Tortilla	6-inch	75 mg



	75 mg
Serving Size	Mg/ Serving
1	10 mg
¹ / ₂ cup	9 mg
¹ / ₂ cup	15 mg
9	25 mg
¹ / ₂ cup	50 mg
1	15 mg
¹ / ₂ cup	20 mg
¹ / ₂ cup	42 mg
	Size 1 ¹ / ₂ cup ¹ / ₂ cup 9 ¹ / ₂ cup 1 ¹ / ₂ cup

Potassium

What is potassium?

Potassium is a mineral that is necessary for muscle contraction, nerve impulses, and maintains a regular heartbeat. Potassium can be found in a variety of foods.



How is potassium affected in dialysis patients?

Normally, the kidneys regulate the amount of potassium in the blood. When the kidneys do not function properly, levels of potassium can build up in the blood. High blood levels of potassium can lead to weakness and the heart will begin to beat irregularly and slowly.

Potassium Containing Foods:

HIGH POTASSIUM FOOD >300mg	Serving Size	Mg/Serving	LOW POTASSIUM FOOD < 150 mg	Serving Size	Mg/Serving
Banana	1 small	467 mg	Grapes	10	93 mg
Orange juice	8 fl oz	496 mg	Lemon	1/2	116 mg
Potatoes	1	422 mg	Iceberg Lettuce	1 cup	80 mg
Avocado	1	450 mg	Cucumber	¹∕₂ cup	88 mg
Brussel sprouts	1 cup	342 mg	Green peppers	¹∕₂ cup	130 mg
Tomato juice	1 cup	535 mg	Egg	1	55 mg
Cooked lentils	¹ / ₂ cup	365 mg	Strawberry ice cream	¹ / ₂ cup	124 mg
Salmon	3 oz	345 mg	Cheddar cheese	1 oz	27 mg
2% Milk	1 cup	377 mg	Oatmeal	1 cup	130 mg
Yogurt	6 oz	398 mg	Bagel	1 small	67 mg
Raisin Bran Cereal	1 cup	362 mg	Wheat bread	1 slice	46 mg
MEDIUM POTASSIUM FOOD 150-300 mg	Serving	Mg/Serving			
Cherries	10	151 mg			
Apple	1 small	195 mg		-	14
Broccoli	¹∕₂ cup	166 mg	1	-	La Carto
Carrots	¹∕₂ cup	177 mg		Ct North	
Chicken	3 oz	221 mg		Market	Stranger &
Turkey	3 oz	250 mg	Aug I	1 3	
Ricotta cheese	¹ / ₂ cup	154 mg			A CC
Brown rice	1 cup	154 mg			

Sodium

What is sodium?

Sodium is a mineral that helps maintain fluid balance in the body. Sodium helps regulate thirst and helps muscles and nerves function properly.



How is sodium affected in dialysis patients?

The more sodium a patient consumes, the more fluid the patient retains. Excess fluid can lead to edema, high blood pressure, and more fluid must be removed during the dialysis process. It is important to control sodium level in order to maintain proper fluid balance.

Sodium Containing Foods:

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HIGH SODIUM FOOD >250mg	Serving Size	Mg/Serving	MEDIUM SODIUM FOOD 100 - 250 mg	Serving Size	Mg/Serving
Tomato sauce	1 cup	1,284 mg	Beans	¹ / ₂ cup	175 mg
Pickles	1	569 mg	Spinach	1 cup	190 mg
Canned corn	1 cup	571 mg	Poached Egg	1	150 mg
Cured bacon	2 slices	293 mg	Salmon	3 oz	114 mg
Ham	2 slices	603 mg	Sausage	1 piece	103 mg
Cottage cheese	1 cup	745 mg	Milk	1 cup	107 mg
Ranch salad dressing	2 Tbs	260 mg	Yogurt	8 oz	175 mg
Parmesan cheese	1 oz	433 mg	Chocolate Pudding	¹ / ₂ cup	139 mg
Pretzels	1 oz	359 mg	Whole Wheat Bread	1 slice	133 mg
Tortillas	1	950 mg	Blueberry Muffin	1 small	224 mg
Bagel	1	430 mg	English Muffin	1	245 mg
	- 1	1	LOW SODIUM FOOD	Serving Size	Mg/ Serving



English Muffin	1	245 mg	
LOW SODIUM FOOD	Serving Size	Mg/ Serving	
Orange Juice	1 cup	2 mg	
Mandarin Oranges	1 cup	15 mg	
Corn	1 cup	1 mg	
Broccoli	1 cup	30 mg	
Ground Beef	3 oz	67 mg	
Vanilla Ice Cream	½ cup	53 mg	
Spaghetti, cooked	1 cup	1 mg	
Brownie	1 small	82 mg	