Top 10 micronutrients for a Better Health

Presentation from the Linus
Pauling Institute
- Oregon State University



6_{IN} 10

Adults in the US have a chronic disease



4_{IN} 10 Adults in the US have two or more

THE LEADING CAUSES OF DEATH AND DISABILITY and Leading Drivers of the Nation's \$3.5 Trillion in Annual Health Care Costs













STROKE





ALZHEIMER'S DISEASE





DIABETES





CHRONIC KIDNEY DISEASE

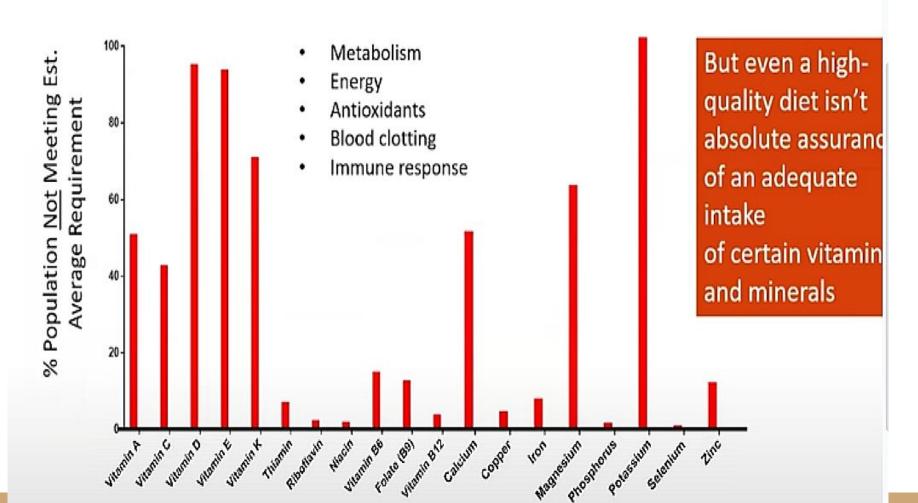




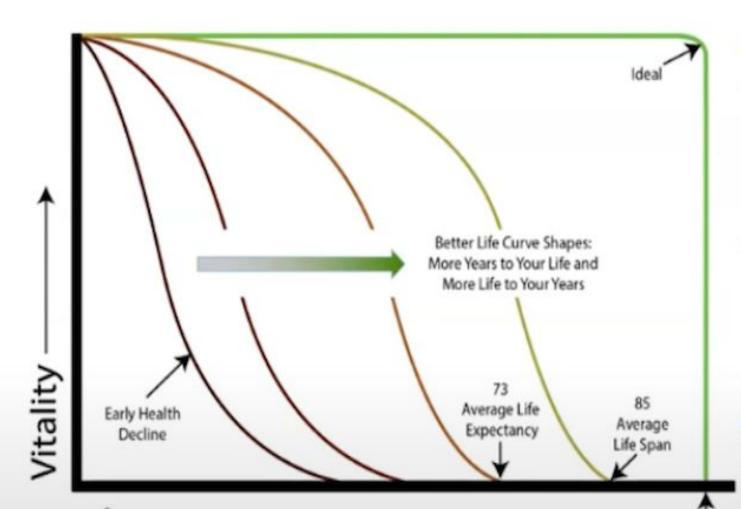




Quality Foods Also Supply Vitamins and Wilherals 100!







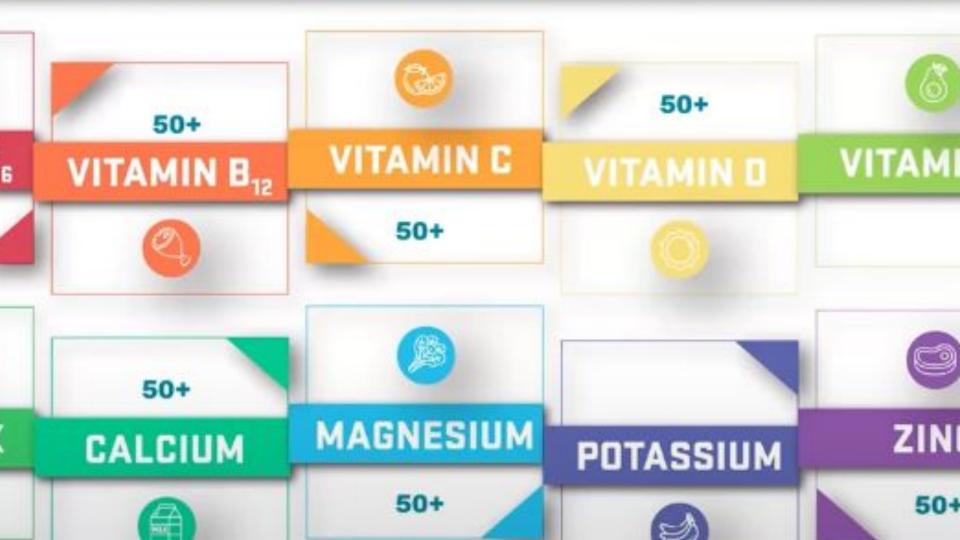
NUTRIENT-RICH DIET

Vitamins and minerals (called ronutrients) come from the foods that eat. Eating foods high in vitamins and minerals helps keep you healthy.





To help address any nutrient gaps, the Linus
Pauling Institute recommends that all
adults take a daily multivitamin. This
multivitamin should have 50-100% of the DV
(Daily Value) for most vitamins and minerals.



VITAMIN B₆

FOUND IN...

Meat, poultry, fish, nuts, bananas, and potatoes

SUPPORTS...



health

Bone



Skin

OTHER INFO

Vitamin B_ϵ absorption can decline with age. Inflammation might influence your B_ϵ status.

RECOMMENDED INTAKE

Adults (19-50): 1.3 mg/day Adults (50+): 1.7 mg/day

VITAMIN B₁₂

FOUND IN...

Meat, poultry, fish, eggs, and some dairy products

SUPPORTS...



Cognitive health



Immune health



Muscle and nerve function

OTHER INFO

Poor vitamin B₁₂ absorption is very common in older adults and in those taking certain medications (such as antacids and metformin). Older adults should take supplements.

RECOMMENDED INTAKE

Adults (19-50): 2.4 mcg/day

Adults (50+): 100-400 mcg/day from supplements

VITAMIN C

FOUND IN...

Berries, citrus fruit, kiwifruit, bell peppers, Brussels sprouts, and broccoli

OTHER INFO

The vitamin C content is reduced when foods are cooked or otherwise processed. The best sources are raw or lightly cooked foods.

SUPPORTS...







lmmune health



Bone health



Wound healing



Skin health

RECOMMENDED INTAKE

All adults: at least 400 mg/day

VITAMIN D

FOUND IN...

Salmon, dairy products, and some mushrooms

OTHER INFO

Ask your healthcare provider to check the level of vitamin D in your blood. The LPI recommends maintaining blood levels of 30 ng/mL or higher.

SUPPORTS...







Immune health



Bone health



Skin health

RECOMMENDED INTAKE

All adults: 2000 IU/day from supplements

VITAMIN E

FOUND IN...

Avocados, olives, nuts, seeds, vegetable oils, and green leafy vegetables, such as kale and spinach

OTHER INFO

Synthetic vitamin E (dl-alpha on labels) is not as bioavailable as natural vitamin E (d-alpha).

SUPPORTS...







Immune health



Skin health



Wound healing

RECOMMENDED INTAKE

All adults: 15 mg/day

VITAMIN K

FOUND IN...

Kale, chard, broccoli, spinach, parsley, and fermented foods, such as yogurt and kimchi

SUPPORTS...



Muscle and nerve function



Bone health



Wound healing

OTHER INFO

Large quantities of vitamin K from foods or supplements can interfere with medications involved with blood clotting, such as warfarin.

RECOMMENDED INTAKE

Men: 120 mcg/day Women: 90 mcg/day

CALCIUM

FOUND IN...

Dairy products, sardines, broccoli, almonds, and calcium-fortified juices and plant-based milks

SUPPORTS...



Muscle and nerve function



bone

OTHER INFO

Focus on food sources to meet your calcium needs. Multivitamins typically contain little calcium.

RECOMMENDED INTAKE

Men (19-70): 1000 mg/day Men (70+): 1200 mg/day

Women (19-50): 1000 mg/day Women (50+): 1200 mg/day

MAGNESIUM

FOUND IN...

Broccoli, beans, peanuts, nuts, spinach, and whole grains, such as brown rice

SUPPORTS...



Fluid balance and blood pressure



Muscle and nerve function



Bone health

OTHER INFO

Adults shouldn't take more than 350 mg/day from supplements. High doses of supplemental magnesium can cause diarrhea and/or kidney damage.

RECOMMENDED INTAKE

Men: 420 mg/day Women: 320 mg/day

POTASSIUM

FOUND IN...

Most fruit and vegetables, beans and lentils, white and sweet potatoes with skin, yogurt, and fish

SUPPORTS...



Fluid balance and blood pressure



Muscle and nerve function



Bone health

OTHER INFO

Eat at least 5 servings of fruit and vegetables each day to meet your potassium needs. Avoid fried food sources, such as chips or french fries.

RECOMMENDED INTAKE

Men: 3400 mg/day Women: 2600 mg/day

ZINC

FOUND IN...

Meat, poultry, shellfish, dairy products, nuts, and beans and other legumes

SUPPORTS...





Immune health

Wound healing

OTHER INFO

Beans, seeds, nuts, and grains have compounds that can reduce the amount of zinc your body can obsorb, but these are still relatively good sources of zinc.

RECOMMENDED INTAKE

Men: 11 mg/day Women: 8 mg/day

