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Vitamin A Everyday Michigan State University Cooperative Extension Service Anita Dean, Extension Specialist in Food and Nutrition February 1971 2 pages

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Vitamin every day How do you Score?

By ANITA DEAN, Extension Specialist in Foods & Nutrition

You like liver paste? Cheese? How about a baked sweet potato? Peach cobbler—pumpkin pie with whipped cream—or fresh cantaloup?

You like 'em all? Good! Delicious, yes. But they're also packed with minerals, proteins, carbohydrates and vitamins. Especially Vitamin A.

You need Vitamin A for normal cell growth. You need it for normal vision in dim light. You need it for healthy, resistant skin and inner linings of the body.

Vitamin A occurs only in foods of animal origin such as meats, fish and eggs. However, many vegetables and fruits contain carotene, a substance which the body changes into Vitamin A. Largest amounts of carotene are found in dark green and deep yellow vegetables and deep yellow fruits.

Liver abounds in Vitamin A. Your own liver

stores it. If your diet is low in Vitamin A, the liver releases part of its store to meet your body needs. A deficiency may not develop for a long time, depending on how much Vitamin A is stored in the liver, and on the body's ability to use it. Your body can use the Vitamin A from your liver only if it is getting all the protein and fat and other essential vitamins it needs.

Can you get too much Vitamin A? Not from food alone. However, there are cases on record of hypervitaminosis A in both children and adults who took overdoses of Vitamin A concentrates (liquid and pills). The American Medical Association says "There is a definite possibility of harm from prolonged ingestion of Vitamin A in excess of 50,000 IU's daily." A healthy adult needs no more than 5,000 IU's of Vitamin A each day.

How much Vitamin A do you need each day?

AGE GROUP RECOMMEN	DED IU* ALLOWANCE
Adult	5,000
Infant	1,500
Child (1 to 3)	2,000
Child (3 to 6)	2,500
Child (6 to 10)	3,500
Child (10 to 12)	4,500
Child (12 & older)	5,000
Pregnancy	6,000
Lactation	8,000

How three children met their daily Vitamin A allowance

YEARS OF AGE	5	10	15
AMOUNT OF FOOD	IU	IU	IU
Milk, whole (3 or 4 cups)	1,050	1,400	1,400
Egg, medium (one)	590	590	590
Squash, winter (11/3 Tbsp.)	718		
Spinach (2 Tbsp.)		1,825	
Carrots (½ cup)			3,025
Butter or margarine			
(1 or 2 pats)	170	170	340
TOTAL	2,528	3,985	5,355

*IU stands for "International Unit," the standard measure of Vitamin A. These "Recommended Dietary Allowances," established by the National Research Council of the National Academy of Science, are considered adequate for maintaining good nutrition and health for all the U.S. population. They offer a wide margin of safety

to cover differences in individual requirements. Do not confuse them with "Minimum Daily Requirements" established by the U. S. Food and Drug Administration for labeling foods and special dietary products. Minimum daily Vitamin A requirements for adults are 4,000 IU's; children, 3,000; and infants, 1,500.

AMOUNT OF FOOD	IU	AMOUNT OF FOOD	IU	AMOUNT OF FOOD	IU
Milk, whole (2 cups)	700	Milk, skim (2 cups)	20	Milk, fortified	1.000
Cheese, processed (2 oz.)	700	Cottage cheese,		skim (2 cups)	1,000
Ice cream (2/3 cup)	390	uncreamed (½ cup)	10	Cottage cheese,	010
Eggs (2)	1,180	Ice milk (2/3 cup)	183	creamed (½ cup)	210
Peas (½ cup)	430	Egg (1)	590	Beef liver, fried (2 oz.)	30,280
Butter or		Cantaloup (½)	6,540	Orange juice, frozen	
margarine (2 Tbsp.)	940	Lettuce (1/6 head)	250	concentrate (½ cup)	275
		Corn, canned (½ cup)	345	Tomato, fresh (1)	1,640
TOTAL		Peaches, canned (2 halves)	550	Broccoli, cooked (½ cup)	1,940
(About 1 day's supply)	4,340	Butter or margarine (1 Tbsp.)	470	TOTAL (About 1 week's supply)	35,345
		TOTAL (About 2 day's supply)			

Your Daily Vitamin A Score

ANIMAL FOODS	IU	SCORE	PLANT FOODS	IU	SCORE
Butter or margarine (1 Tbsp.	470		Apricots, canned (½ cup)	2,255	
or 1 pat)	170		Asparagus (4 spears)	540	
Cheese, cheddar or American (1 oz	.) 370		Broccoli (½ cup)	1,940	
Cheese, cottage, creamed (½ cup)	210		Beans, snap, green (½ cup)	340	
Cream, coffee (1 Tbsp.)	130		Beans, Lima, cooked (½ cup)	240	
Cream, heavy whipping (1 Tbsp.)	230		Carrots, cooked (½ cup)	7,610	
Cream, sour (1 Tbsp.)	100		Carrots, whole (1) (or 25 strips)	5,500	
Imitation creamers, powdered			Spinach, greens (½ cup)	7,290	
(1 tsp.)	trace		Swiss chard, cooked (½ cup)	5,130	
Imitation frozen whipped topping			Lettuce, crisp head (1/6 head)	250	
(1 Tbsp.)	30		Lettuce, leaf (2 leaves)	950	
Imitation powdered whipped			Peaches (1)	1,320	
topping, from whole milk (1 Tbsp.)	20		Peas, cooked (½ cup)	430	
Imitation sour cream, from	20		Pepper, green (1)	310	
nonfat dry milk (1 Tbsp.)	trace		Squash, winter (½ cup)	4,305	
Imitation whipped topping,			Sweet potatoes, boiled (1)	11,610	
pressurized (1 Tbsp.)	20		Sweet potatoes, canned (½ cup)	8,500	
Egg (1)	590		Squash, summer, cooked (½ cup)	410	
Ice Cream, 10% fat (1 cup)	590		Tomatoes, canned (½ cup)	1,085	
Ice milk, hardened (1 cup)	280		Tomatoes, fresh (1)	1,640	
Ice milk, soft serve (1 cup)	370				
Liver, cooked (2 oz.)	30,280		TOTAL (PLANT FOODS)		
Liverwurst (2 slices)	1,310		TOTAL (ANIMAL FOOD)	S)	
Milk, whole (1 cup)	350		GRAND DAILY TOTAL		
Milk, nonfat or skim (1 cup)	10				
Milk, nonfat skim, fortified					
(1 cup)	500				
Yogurt, from skim milk (1 cup)	170		Issued in furtherance of cooperative extension home economics, acts of May 8, and June 30, the U.S. Department of Agriculture. Georg Cooperative Extension Service, Michigan	1 Work in a 1914, in co	priculture and operation with
Yogurt, from whole milk (1 cup)	340		Cooperative Extension Service, Michigan Lansing, Mich.	State Uni	iversity, East 2-2:71-15M-CR