

How do we stay Healthy?

Gloria Vreeland, M.D.

Psalm 139:13-18

May 12, 2024

Introduction



The number 1 cause of preventable morbidity and mortality in the United States today is which one of the following?

- A. Poverty
- B. Tobacco
- C. Excessive alcohol use
- D. Overweight/Obesity



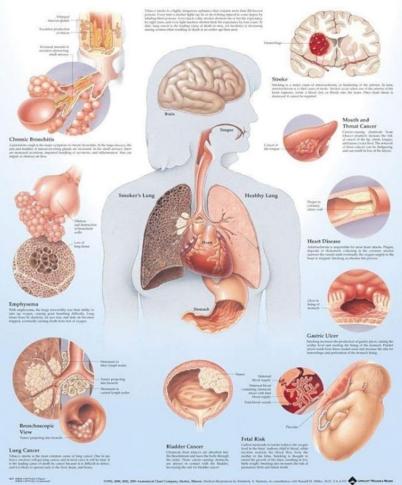
US Major Health Indicators

Tobacco use #1 cause worldwide Adults o BMI ≥ 25 Overweight/Obesity o BMI > 30 Overweight (Risk for overweight): BMI ≥ 85th percentile and < 95th percentile for children of the same **Excessive Alcohol Use** age and sex.

 Obese (Overweight): BMI ≥ 95th percentile for children of the same

age and sex.

DANGERS OF SMOKING



Smoking Cessation Treatment

- Nicotine Replacement Therapy (NRT)
 - Gum OTC
 - Lozenge Rx
 - Nasal Spray Rx
 - Inhaler Rx
 - Patch OTC
 - Bupropion (Zyban) Rx
 - Varenicline (Chantix) Rx
 - Psychosocial Therapy
 - Behavior Therapy



Obesity Implications

Obesity results in:
46% increase inpatient costs
27% more physician visits
80% increase in prescription
drug costs

- Doubles risk of and mortality from cardiovascular disease (CVD)
- Hypertension, dyslipidemia, heart disease and stroke (2/3 of obesity-related deaths)
 - Type 2 diabetes (5 x the risk), osteoarthritis
 - Fatty liver and cholesterol gallstones
 - Asthma and other respiratory disturbances
 - PCOS, abnormal menses, infertility, menstrual disorders, sleep disturbances
 - Sleep apnea—which increases risk of diabetes (Diabetes Care, Sep 17, 2015)
- *Cancers: 7% ↑ in "obesity cancers" now accounting for 40% (other cancers ↓ 13%)
 - Large increase: uterine, gallbladder, kidney
 - Others: cervical, ovarian, postmenopausal breast, esophageal, gastric, pancreatic, hepatic, colorectal, prostate, kidney, meningiomas, leukemia, thyroid
- Psychological implications: depression, low self-esteem, behavior and learning problems, bullying



Prevention and Screening

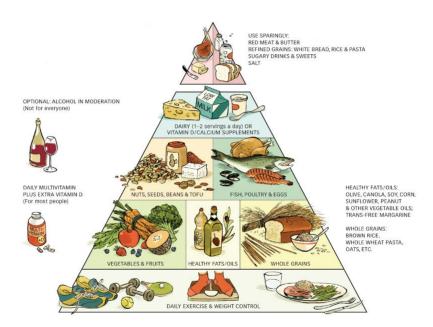
AAFP and USPSTF (B rec) recommend screening everyone ≥ age 6 for obesity

- Preventing obesity from conception through childhood
 - Limit gestational weight gain
 - No maternal smoking
 - Breastfeed at least 12 months
 - Infants should sleep at least 12 hours daily
 - · Delay solid foods until at least 4 months of age
 - · Daily activity for at least one hour
 - Limit screen time to 2 hours/day
- The USPSTF recommends that clinicians offer or refer adults with a body mass index (BMI) of 30 or higher to intensive, multicomponent behavioral interventions.



THE HEALTHY EATING PYRAMID

Department of Nutrition, Harvard School of Public Health



Generations of Americans are accustomed to the food pyramid design, and it's not going away. In fact, the Healthy Eating Pyramid and the <u>Healthy Eating Plate</u> (as well as the Kid's Healthy Eating Plate) complement each other.

Consumers can think of the Healthy Eating Pyramid as a grocery list:

The Nutrition Source!

Take our quick survey to share your experience using the website, and offer any suggestions that may help us improve The Nutrition Source.

Explore:

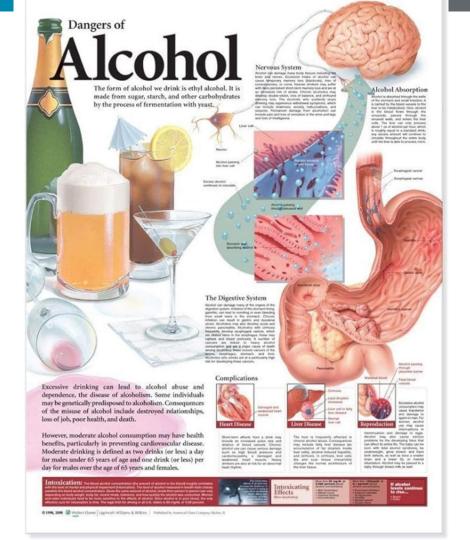


Create healthy, balanced meals using this visual guide as a blueprint.

Support The Nutrition Source

Thank you for supporting our





AAFP CME

Adverse Effects of Excessive Alcohol

- Long-term health risks: Over time, excessive alcohol use can lead to the development of chronic diseases, neurological impairments, and social problems.
 - -Neurological problems, including dementia, stroke, and neuropathy
 - -Cardiovascular problems, including myocardial infarction, cardiomyopathy, atrial fibrillation, and hypertension
 - -Psychiatric problems, including depression, anxiety, and suicide
 - -Social problems, including unemployment, lost productivity, and family problems



Alcohol Use



The percent of "pure" alcohol, expressed here as alcohol by volume (alc/vol), varies by beverage.

Definitions of patterns of drinking alcohol

- Excessive drinking includes heavy drinking, binge drinking, and any drinking by pregnant women or underage youth.
 - Acceptable

Men ≤ 2 drinks per day Women < 1 drink per day

Heavy

For women, more than 1 drink per day on average

For men, more than 2 drinks per day on average

• **Binge**, the most common form of excessive alcohol consumption

For women, 4 or more drinks during a single occasion

For men, 5 or more drinks during a single occasion

Most people who binge drink are not alcoholics or alcohol dependent.



Breast Cancer Screening 5th leading cause of cancer death in women in China

Prevention Secondary

- Activities are aimed at early disease detection, thereby increasing opportunities for interventions to prevent progression of the disease and emergence of symptoms.
 - Breast cancer

USPSTF <u>Draft</u> Statement – May 9, 2023

- The Task Force recommends all women should get screened for breast cancer every other year, starting at age 40.
 - Applies to women at average risk of breast cancer
 - Includes:
 - People with a family history of breast cancer
 - People with other risk factors e.g., dense breasts
 - Imaging –both are effective
 - Digital Mammography (DM) images breast with X-rays from 2 angles
 - Digital breast tomosynthesis (DBT or 3-D mammography) Images breast with X-rays from multiple angles

Breast Cancer

- Most common cause (with exception of skin) of cancer in women and the 2nd leading cause of cancer death
 - 1/8 women will develop breast cancer.
 - 1/30 will die.
- Presence of dominant inherited cancer susceptibility genes (BRCA 1 and BRCA 2) occur in about 1/300-500 of general population
 - Screening for inherited risk (USPSTF 2019)
 - Assessment of risk for significant BRCA mutations
 - Genetic testing of high-risk women (Level A)

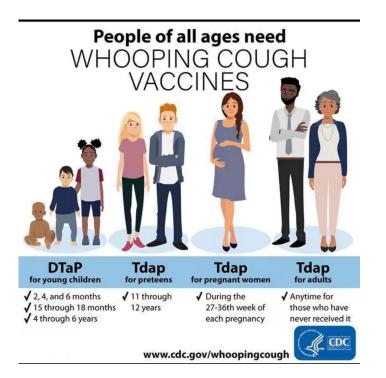


Vaccines

Flu

Covid

Pertussis – Tetanus with Pertussis





Family History

Hypertension

High Cholesterol

Heart Attacks

Stroke

Diabetes mellitus

Cancer

Positive things you do

Multivitamin

Vitamin C 500 mg – helps your immune system

Vitamin D and Calcium for bones - Dairy

Exercise

The 2018 Physical Activity Guidelines for Americans—*Recommendations*

- Adults should move more and sit less throughout the day. Some physical activity is better than none. Adults who sit less and do any amount of moderate-to-vigorous physical activity gain some health benefits.
- •For substantial health benefits, adults should do at least 150 minutes (2 hours and 30 minutes) to 300 minutes (5 hours) a week of moderate-intensity, or 75 minutes (1 hour and 15 minutes) to 150 minutes (2 hours and 30 minutes) a week of vigorous-intensity aerobic physical activity, or an equivalent combination of moderate- and vigorous-intensity aerobic activity. Aerobic activity should be spread throughout the week.
- Additional health benefits are gained by engaging in physical activity beyond the equivalent of 300 minutes (5 hours) of moderate-intensity physical activity a week.



Conclusion

