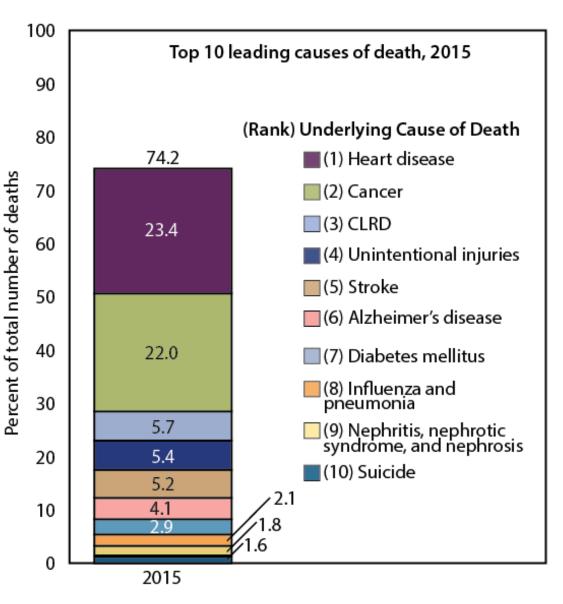
chronic

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Disedse

Leading Causes of Death in 2015

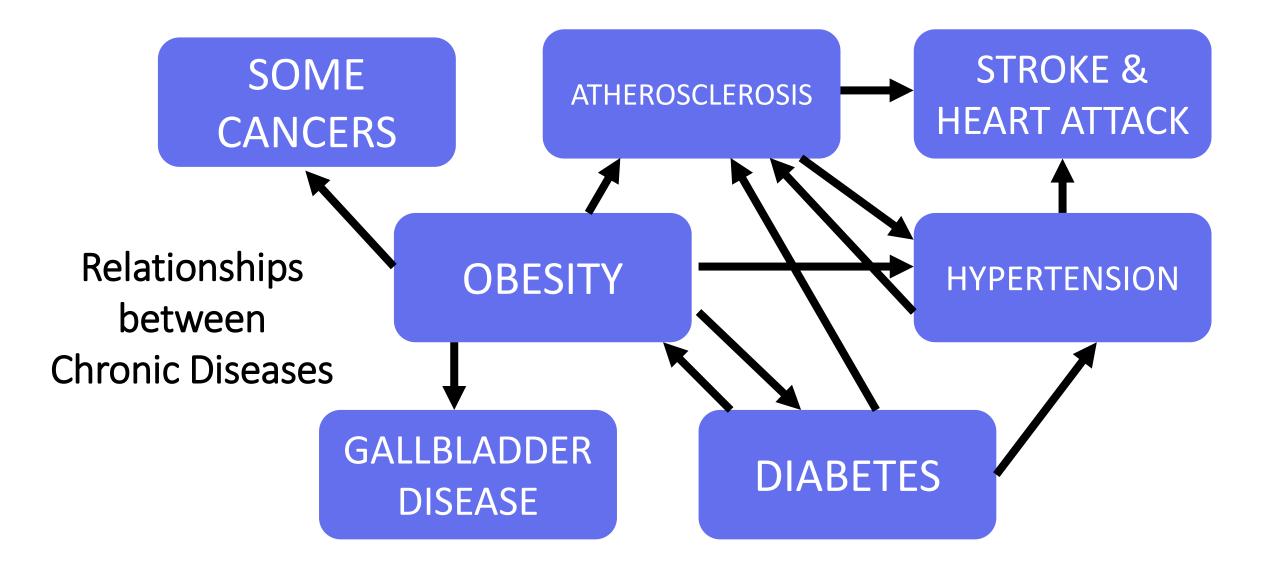


Which of these are diet-related?

- Heart disease (#1 cause of death)
- Cancer (#2 cause of death)
- Stroke (#5 cause of death)
- Diabetes mellitus (#7 cause of death)

= 53.5% of all deaths in the US, 2015

SOURCE: NCHS, *Health, United States, 2016*, Figure 8. Data from the National Vital Statistics System (NVSS).



RISK FACTORS	CANCER	HYPER- TENSION	TYPE 2 DIABETES	OSTEO- POROSIS	ATHERO- SCLEROSIS	OBESITY	STROKE
Diet high in fat, saturated fat, trans fat	Х	Х	Х		X	Х	Х
Excessive alcohol intake	Х	Х		Х	Х	Х	Х
Low fiber intake	Х		Х		Х	Х	Х
Low vitamin & mineral intake	Х	Х		Х	X		
High sugar intake			Х			Х	
High salt or pickled foods intake	Х	Х					
Genetics	Х	Х	Х	Х	Х	Х	Х
Age	Х	Х	Х	Х	X		Х
Sedentary lifestyle	Х	Х	Х	Х	Х	Х	Х
Smoking	Х	Х		Х	Х		Х
Stress		Х			Х		Х
Environmental factors	X						

Cardiovascular Heart Disease (CHD)

ATHEROSCLEROSIS

- cholesterol deposits (PLAQUE) that can clog the arteries, leading to heart attacks & stroke
- Possible causes: high cholesterol, smoking, hypertension
- See how atherosclerosis works in the Interactive Cardiovascular Library: <u>https://watchlearnlive.heart.org/CVML_Player.php?moduleSelect=athero</u>

HYPERTENSION

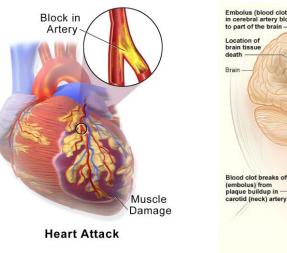
- High blood pressure (force of blood flowing through vessels)
- Risk factor for heart attacks & stroke
- Often comorbid with obesity, diabetes, high cholesterol
- Can be caused by excess sodium in diet

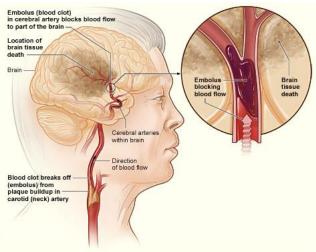
HEART ATTACK

 Blood flow (carrying oxygen) to heart muscle is severely reduced or cut off completely

STROKE

Blood clots in artery, cutting off oxygen to brain





Type 1 Diabetes

Type 2 Diabetes

Results from the body's failure to produce insulin; insulin injections required

Pancreas doesn't produce enough insulin to control glucose levels OR cells don't respond to insulin

Gestational Diabetes

Occurs when pregnant woman's body does not secrete extra insulin required, leading to increased blood sugar levels

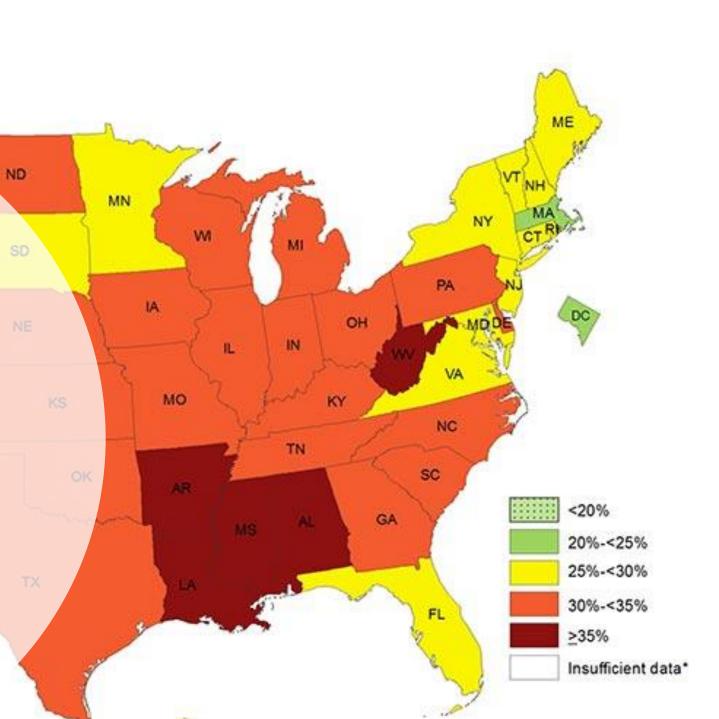
 More than 1/3 (36.5%) of US adults have obesity

Obesity

MT

NM.

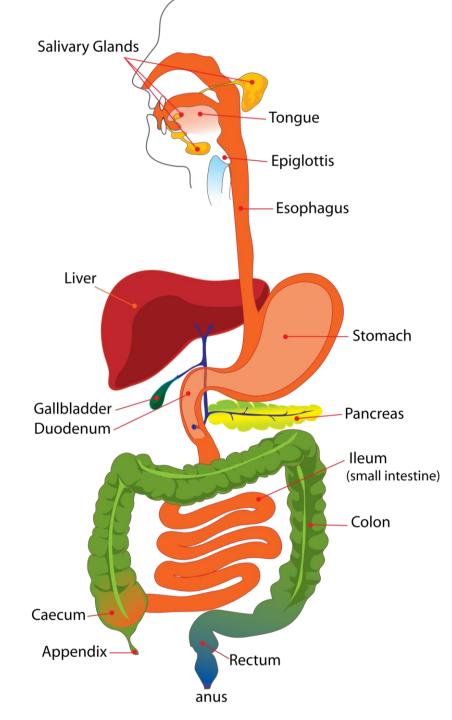
- Obesity-related conditions include:
 - hea<mark>rt disease</mark>
 - Stroke
 - Type 2 diabetes
 - certain types of cancer
- The estimated annual medical cost of obesity in the U.S. was \$147 billion in 2008



Cancer and Nutrition

- To reduce the risk of cancer:
- Maintain a healthy weight
- Eat a variety of vegetables, fruits, whole grains, and legumes
- Limit calorie dense foods
- Limit processed meats
- Consume less salt





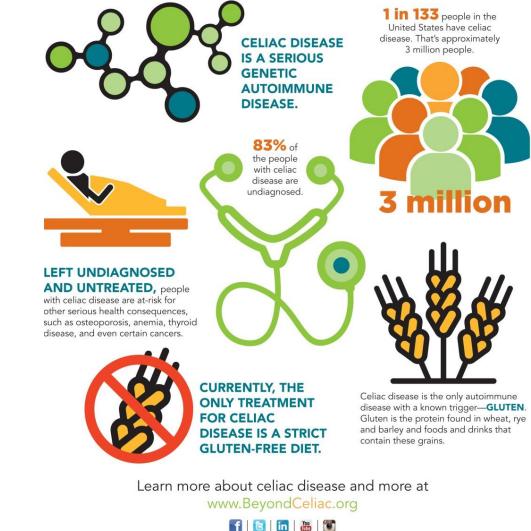
Gastrointestinal Disorders

- Irritable bowel syndrome (IBS)
- Crohn's Disease
- Bowel Control Problems
- Gas
- Lactose intolerance
- Diarrhea
- Diverticulosis and Diverticulitis
- Acid Reflux (GER & GERD)

Celiac Disease



CELIAC DISEASE AT A GLANCE



- Celiac disease is a serious genetic autoimmune disorder where the ingestion of gluten leads to damage in the small intestine
- Estimated to affect 1 in 100 people worldwide
- 2.5 million Americans are undiagnosed and are at risk for long-term health complications