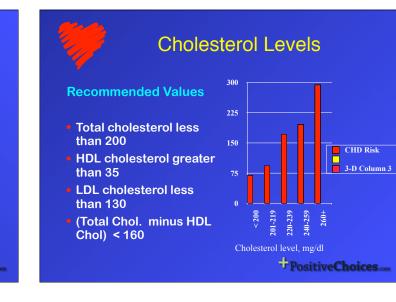
Have a Healthy Heart!

Presented by Fred Hardinge, DrPH, RD, CHES

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Unchangeable Risks

Age

• Men 45+, women 55+, are at increased risk

Gender

• Men are higher risk than women for early CHD

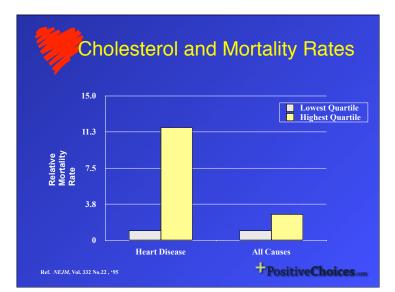
 CHD is still the leading cause of death for women

History CHD

Family Hx, before 55 for men, 65 for women

Personal history

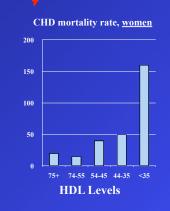
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Modifiable Risk Factors

- 1.Tobacco use
- 2. High blood cholesterol levels
- **3.**High blood pressure
- **4.**Physical inactivity
- 5. Obesity and overweight
- 6.Diabetes mellitus

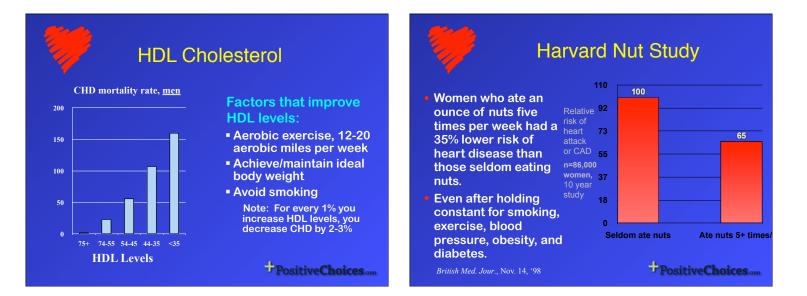
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HDL Cholesterol

Factors that improve HDL levels:

- Aerobic exercise, 12-20 aerobic miles per week
- Achieve/maintain ideal body weight
- Avoid smoking
- Estrogen replacement after menopause (discuss with your doctor)



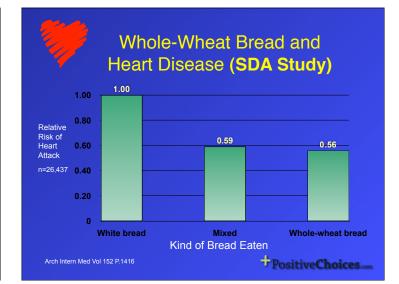
Improving Cholesterol Levels

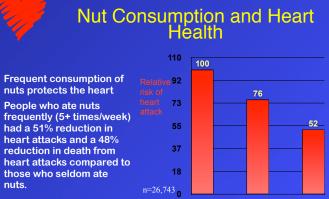
- If LDL cholesterol is high:
- Reduce fat intake to 20-30 % of total calories eaten
- Eat less saturated fat, 5-10 % of total calories eaten
- Eat less Chol., < 300 mg/</p> day
- Eat more fiber (oats, brown rice, legumes, fruits, veggies, 20-30 gm/ dav
- Achieve a healthy weight

If HDL cholesterol is low:

- Achieve a healthy weight
- Get regular aerobic exercise, 10-20 aerobic miles per week
- Don't smoke
- Reduce stress levels

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< 1/wk



1-4/wk 5+/wk Frequency of Nut Consumption

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Dietary Guidelines for Americans

The very first dietary guideline states:

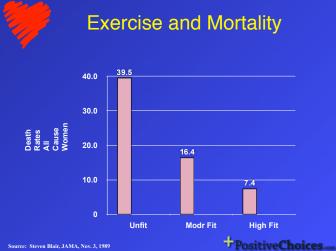
"Use plant foods as the foundation of your meals. ... Eating a variety of grains (especially whole-grains), fruits and vegetables is the basis of healthy eating."

> USDA, DHHS, Dietary Guidelines for Americans, 2000 +PositiveChoices.com



Note: Risk for CHD increases with BP's > 110/70

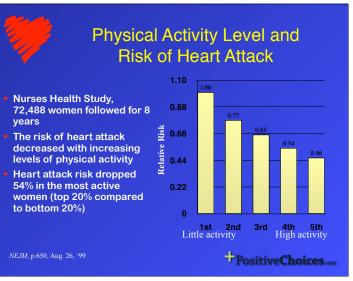
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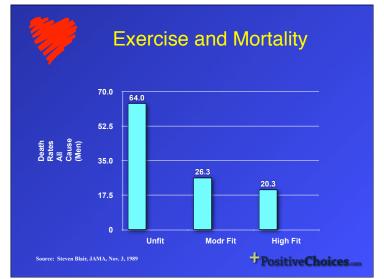




- Achieve/maintain a healthy weight
- Get regular physical activity, 30-60 min/day
- Avoid alcohol, or keep intake very low
- Limit salt, get adequate potassium
 Limit intake of fats, especially animal
- fats
- Avoid tobacco
- Get adequate relaxation and rest

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Physical Activity Guidelines

"Every US adult should accumulate 30 minutes or more of moderateintensity physical activity on most, preferably all, days of the week."

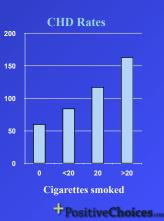
Source: CDC and ACSM

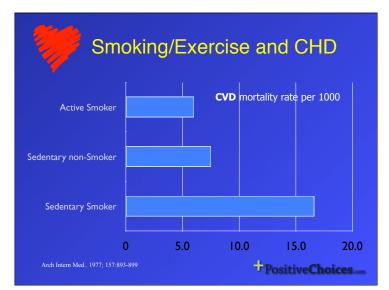




Smoking and Heart Disease

Smoking increases the risk of heart disease by 2-3 times.
Stopping smoking reduces risk very rapidly (nearly to the level of the nonsmoker within 5 years)





Smoking and Health

- Smoking causes 480,000 premature deaths each year, increasing the risk for:
 - ulcers 2X
 - asthma 3X
 - heart attack or stroke 3X
 - emphysema 5X
 - Iung cancer 18X
- Smoking reduces life expectancy
 - by 7 to 8 years
 - 15 minutes/cigarette smoked

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Physical Activity Lowers Risk In Smokers

- Study of 642 men in Sweden
- 25 year outcome data shows regular physical activity significantly lowered mortality rates
- Vigorous physical activity in smokers reduced the risk of coronary heart disease by 40% and overall mortality by 30%

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Smoking and Health

- The good news is that stopping significantly reduces risk, and right away.
 - you cut your risk of a heart attack in half within the first year after stopping
 - within 5 years, risk of lung cancer is cut in half
- within 15 years, your health risk is almost the same as a person who never smoked
- 53 million people have stopped. <u>You can</u> <u>too!</u>

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Weight/Body Composition

 2/3 of all US adults are overweight, up from only 25%, 20 years ago

- Excess body fat increases risk for:
 - high blood pressure
 - diabetes
 - heart disease & stroke
 - certain cancers





Healthy Weight Standards

lt(in)	BMI 20	BMI 25*	BMI 30**
58 in.	96 lb 119 lb	143 lb	
60	102	128	153
62	109	136	164
64	116	145	174
66	124	155	186
68 —	131	164	197
70	139	174	209
72	147	184	221
74	155	194	233
76	164	205	246

People with a BMI less than 25 live the longes Obesity is defined as a BMI of 30+

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Modifiable Risk Factors

- 1.Tobacco use
- 2. High blood cholesterol levels
- 3. High blood pressure
- **4.**Physical inactivity
- 5. Obesity and overweight
- 6.Diabetes (treatment and control)

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Diabetes and Heart Disease

 Diabetes increases the risk for CHD by

 Your risk for CHD is increased if you have:

- A personal history of diabetes, or
- High blood glucose levels: fasting blood

115+ test 160+ non-fasting

Risk factors for diabetes

- family history of diabetes
- excess weight (especially central, abdominal fat)
- sedentary lifestyle
 poor dietary habits
- Symptoms
 - excessive thirst, urination Infections, slow healing
 - blurred vision, fatigue
 - pain/tingling/numb in feet

