

Heart Disease: Female Nurses At⊀isk



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Why Nurses?

"Nurses are less healthy than the average American. Research shows that nurses are more likely to be overweight, have higher levels of stress, and get less sleep. As the largest and most trusted health care profession, nurses are critical to the health of the nation. Healthy nurses are great role models for their patients, colleagues, families, and neighbors."





Figure 3. Stethoscope image ("Stethoscope," 2017) (American Nurse Association, 2020)

Heart Disease Risk

- #1 cause of death for Caucasian and African American women in U.S.
- The proof of the p
- On the rise in women ages 35-54
- Ohio ranked 13th in highest prevalence of heart cits ease of 50 states
- Gender and race differences in care and treatment exist
- Atypical symptoms lead to delay in diagnosis and treatment

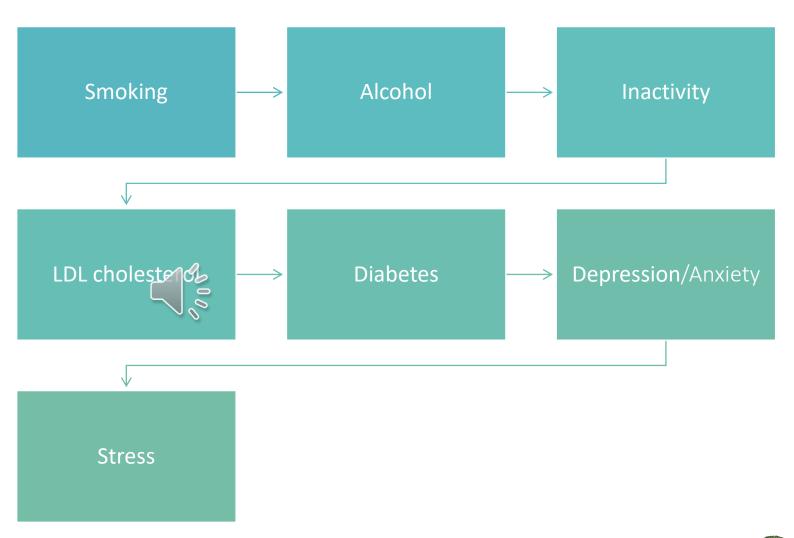
(Centers for Disease Control and Prevention, 2019)

(American Heart Association, 2018)

(Ohio Department of Health, n.d.)









(Her Heart. 2019)

(Texas Heart Institute, n.d.)

Risk Factors Cont...

Smoking

- 40% women who smoke die from heart disease
- Effects can be quickly reversed when stopped

Alcohol

- Limit to two drinks per day for less than six days per week is recommended
- Disrupts energy levels, sleep, and mental health

Inactivity

- Doubles risk of heart disease
- Thirty minutes total of moderate activity per day is recommended

LDL cholesterol

"Bad" cholesterol resulting in plaque in arteries

Diabetes

Too much sugar in the blood can triple risk for heart attack

Depression/Anxiety

Interferes with behavior, emotion, and perception

Stress

Leads to unhealthy behavior



(Her Heart, 2019

Comorbidity	Ohio	U.S.
Smoking	19.2%	18%
Obesity	30.5%	31%
Inactivity	26.3%	28%
Diabetes	84.9%	85%

Ohio vs. U.S. Comorbidities

Physiologic Factors

Quality care measures continue to be higher in males than females

Caucasian women are more likely to receive treatment according to American Heart Association Guidelines

African American and Hispanic women tend to delay treatment

 Cost, weight problems, refusal to change, putting others before self

Gender specific differences-atypical symptoms

• Fatigue, anxiety, shortness of breath



Pharmacologic Factors

In the U.S. 75% of individuals take medications as prescribed



Abuse of opioids increase risk for stroke, myocardial infarction, atherosclerosis

Highest prevalence in Hispanic and Caucasian women

52,000 women ages 26+ in Ohio stated abuse opioids

(American Heart Association, 2019)

(American Addiction Centers, 2019)

(Substance Abuse and Mental Health Services Administration, 2018)



Pharmacologic Factors Cont..

Medications prescribed:

 Beta blockers, antiplatelets, nitrates, ACE inhibitors, statins

Supplement use:

- Coenzyme Q10-cardiomyopathy from statin use
- Fish oil-cholesterol, blood pressure, heart rate
- Probiotics-cholesterol, blood pressure
- Vitamin D-atrial fibrillation, heart failure, coronary artery disease

Supplement use on the rise in the U.S.

More common among women

(Aroesty & Kannam, 2018)

(Bronzato & Durante, 2018)

(Mozaffarian, 2019)

Figure 1. Supplement image (Handler, 2019)



Environmental Factors

Circadian rhythm

- Sleep-wake cycle
- Controls cardiovascular system

Seasonal changes

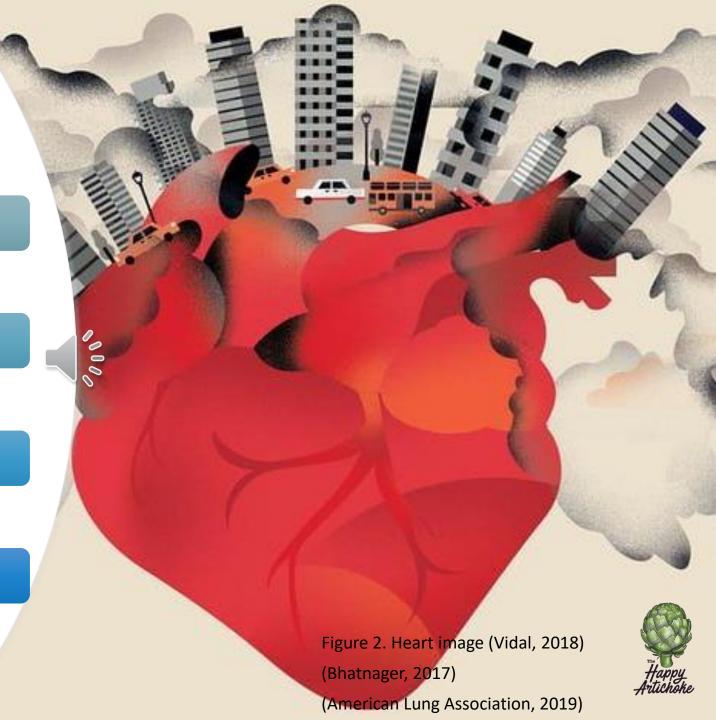
- Diet and activity changes
- Lack vitamin D

Air pollution

- Causes 70-80% premature deaths
- Cleveland/Akron/Canton ranked #9 in U.S. polluted cities

Social environment

• Influence modifiable risk factors more than genetics



Need for Change

Rotating shifts →

Change in circadian rhythm

Mental stress →

Obesity, diabetes, hypertension, smoking, excessive alcohol intake

Physical stress →

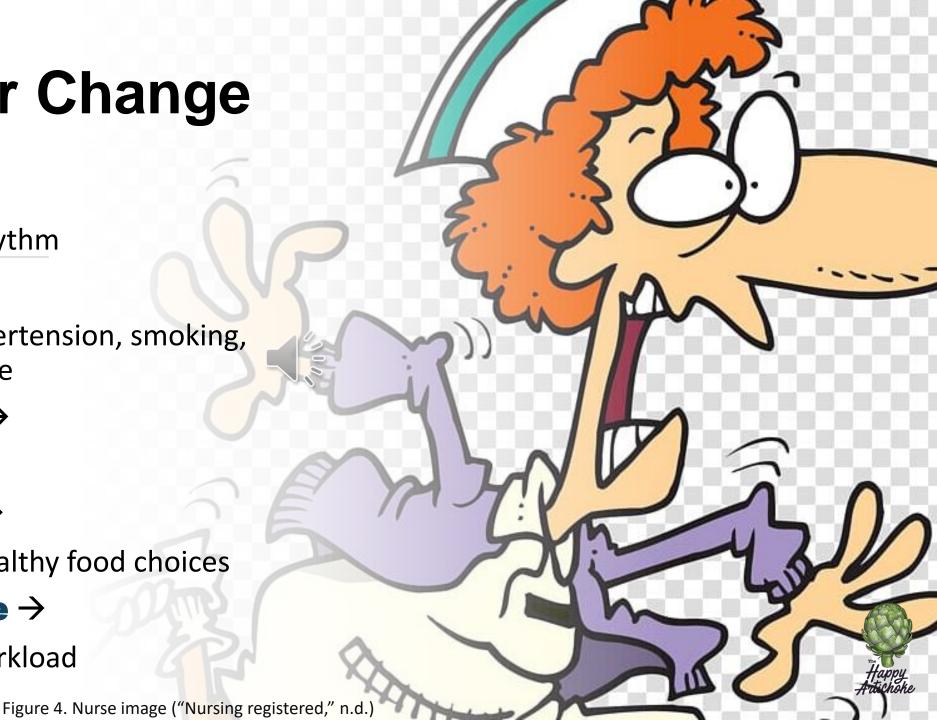
Abuse of painkillers

Lack of breaks →

Dehydration and unhealthy food choices

Nursing shortage →

Increase in nursing workload



How to Stay Healthy and Active at Home

Find a routine and stick to it

 Has positive benefits on mental health, physical fitness, healthy eating

Get some fresh air

 Decrease stress, go for a walk or run, sit outside in the sun



Keep the mind active

 Documentaries, quiz shows, word problems, Sudoku, puzzles, read a book, listen to an audiobook, podcast, music

Accomplish

 Household project, cooking, artwork with kids, spending time with significant other

Stay in touch with others

 Make connections with friends and family via phone or video chat

Take mini mindfulness breaks

 Focus on breathing, block the outside world, meditate



Tips for Eating Healthy on a Busy Schedule

01

Tip 1: Use a planner or calendar to plan time slots for meal prepping or planning

02

Tip 2: Drink plenty of water throughout the day

03

Tip 3: Protein or granola bars are fuel as a snack, not a meal replacement

04

Tip 4: Pack healthy snacks, such as trail mix, pretzels with hummus, or apple slices with peanut butter to prevent overeating

05

Tip 5: Make healthier choices when eating out, such as a vegetable side dish or choosing whole grain bread





Sour cream

Yogurt or cottage cheese

Mayonnaise

Yogurt or avocado

Butter

Banana or avocado

• Oil

Yogurt or applesauce

Baking chocolate

Cocoa Powder



Healthy Portion Sizes

Dairy: Milk, Yogurt, Cheese	9			
Cheese (string cheese)		7000	Pointer finger	1½ ounces
Milk and yogurt (glass of milk)			One fist	1 cup
Vegetables				
Cooked carrots			One fist	1 cup
Salad (bowl of salad)			Two fists	2 cups
Fruits				
Apple			One fist	1 medium
Canned peaches		9	One fist	1 cup

Healthy Portion Sizes Cont...

Grains: Breads, Cereals, Pasta					
Dry cereal (bowl of cereal)	W. B.		One fist	1 cup	
Noodles, rice, oatmeal (bowl of noodles)			Handful	½ cup	
Slice of whole-wheat bread			Flat hand	1 slice	
Protein: Meat, Beans, Nuts					
Chicken, beef, fish, pork (chicken breast)	CONTRACT OF THE PARTY OF THE PA		Palm	3 ounces	
Peanut butter (spoon of peanut butter)			Thumb	1 tablespoon	

Goal Setting



Who, What, Where, When, Why, Which

Define the goal as much as possible with no ambiguous language.

WHO is involved, WHAT
do I want to accomplish,
WHERE will it be done,
WHY am I doing this
(reasons, purpose),
WHICH constraints /

M

Measurable

From and To

Can you track the progress and measure the outcome?

How much, how many, how will I know when my goal is accomplished? A

Attainable

Is the goal reasonable enough to be accomplished? How so?

Make sure the goal is not out of reach or below standard performance. R

Relevant Worthwhile

Is the goal worthwhile and will it meet your needs?

Is each goal consistent
with other goals you
have established and
fits with your
immediate and long
term plans?

Timely

Your objective should include a time limit. "I will complete this step by month/day/year."

It will establish a sense of urgency and prompt you to have better time management.



Measurable

From and To

Can you track the progress and measure the outcome?

How much, how many, how will I know when my goal is accomplished? Attainab

Is the goal reasonable enough to be accomplished? How so?

Make sure the goal is not out of reach or below standard performance.



Examples:

1. I will run on my treadmill every morning before work for thirty minutes for the next month.

2. I will increase my fruit intake by buying one fruit everyday with my lunch on work days for the next two weeks.



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MetroHealthy®

Calling All MetroHealth Employees!

What does MetroHealthy have to offer?

- Discounts on fitness centers, healthcare reimbursement, Weight Watchers
- Support groups and counseling for smoking cessation, survivor recovery, nutrition and diabetes management, CustomCare Program
- Metrocize, fitness classes, meditation, free workshops for stress management, financial wellness, diabetes, heart health topics, and more
- Log nutrition, exercise, steps, water intake
- Download the application and connect a device



Figure 5. Metrohealthy image (ConscienHealth, 2016) (MetroHealthy, 2020)

MetroHealthy is there to help you achieve your health goals.

- Educational tools and resources for wellness, exercise, and nutrition are available.
- Get involved in the community by registering for events.
- Go online to log and check your progress.







Get rewarded for your achievement

Go to:

metrohealth.org, MetroHealthy Health and Wellness Initiative, MetroHealthy Wellness Portal



Healthy Nurse Healthy Nation Grand Challenge

Goal

"Connect and engage nurses, employers, and organizations around improving health in five areas: physical activity, nutrition, rest, quality of life, and safety."

Register:

- 1. https://www.healthynursehealthynation.org/
- 2. Register under "Healthy Nurse, Healthy Nation Connect"
- 3. Participate in health assessment survey
- 4. Choose focus areas and participate in challenges
- 5. Connect with other nurses nationwide



Figure 6. Challenge image ("ANA," 2027).

Attiched (American Nurse Association, 2020)

It's never too late to make a change in your life.

Start by creating a SMART goal and making little changes each day.

Make these changes a lifestyle. It aside any self doubt or fear.

YOU CAN DO THIS!



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