

## Meeting Your Patients Where They Are









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## Learning Objective:

Identify various strategies to help promote behavior change in patients.



**Healthy Rowan works across** organizations to educate, collaborate, and advocate to improve health outcomes in **Rowan County** 



With support from **Healthy People, Healthy Carolinas** An Initiative of The Duke Endowment











Be an original.

## Outline

- Be your first patient
  Understanding current patient behaviors
  - Behavior change fundamentals & practical behavior change *"upgrades"*



## **Be Your First Patient**



## Ask Yourself...

Do you smoke? How much alcohol do you drink? Do you eat five fruits and veggies per day? Are you at a healthy weight? Do you get the recommended amount of physical activity? How do you deal with stress? How much sleep are you getting?

# 80% of all premature deaths are attributable to three factors

1. Tobacco use

## 2. Poor diet

## 3. Lack of physical activity

Mokdad A.HI, Marks J.S., Stroup D.F., Gerberding J.L. Actual causes of death I the Untied States, 2000. JAMA 2004; 291(10):1238-1245.

# Of 150,000 adults, only 3% had healthy levels of all four health behaviors:

- 1. Non-smoking (76%)
- 2. Healthy weight/BMI <25 (40%)
- 3. Five fruits and veggies per day (23%)
- 4. Regular physical activity (22%)

Reeves M.J., Rafferty A.P. Healthy lifestyle characteristics among adults in the United States, 2000. Arch Intern Med. 2005;165 (8) 854-857.

## Understanding Current Patient Behavior





## 2019 County Level Data

Behavior	Cabarrus	Rowan	NC
Physical Activity	27%	24%	23%
Obesity	34%	37%	32%
Insufficient sleep	35%	37%	36%
Adult Smoking	19%	21%	18%
Excessive Drinking	18%	17%	18%

Data from: RWJF County Health Rankings. www.countyhealthrankings.org/



## Fruit

Just 1 in 10 adults meet the federal fruit or vegetable recommendations<sup>1</sup>.

## About 3 out of 4 people are eating a diet low in fruits and vegetables<sup>2</sup>.

-12% met fruit intake; 9% met vegetable intake -Orange juice (fruit) and potatoes (vegetables) were largest contributors

-Dark green and orange vegetables and legumes smallest contributors

3. Photo by <u>Allec Gomes</u> on <u>Unsplash</u>

<sup>1.</sup> Foundations of Lifestyle Medicine. Board Review Manual.

Lee-Kwan SH, Moore LV, Blanck HM, Harris DM, Galuska D. Disparities in State-Specific Adult Fruit and Vegetable Consumption — United States, 2015. MMWR Morb Mortal Wkly Rep 2017;66:1241–1247. DOI: <u>http://dx.doi.org/10.15585/mmwr.mm6645a1external.icon</u>



## **Guidelines for Adults**

(includes Chronic Health Conditions)

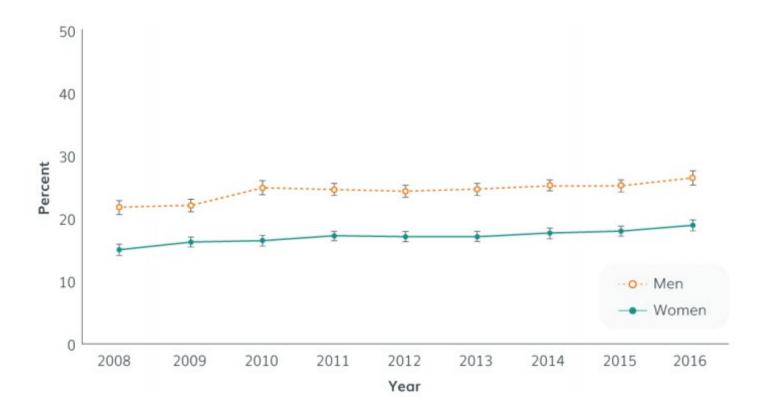
Sit less and move more throughout the day.

**Aerobic Activity:** 150 -300 minutes a week of moderate-intensity OR 75 minutes to 150 minutes a week of vigorous-intensity OR Equivalent Combination of moderate-vigorous intensity

**Muscle Strengthening:** moderate or greater intensity and that involve all major muscle groups on 2 or more days a week, as these activities provide additional health benefits.

## **Physical Activity**

Figure 1-1. Percentage of U.S. Adults Ages 18 Years or Older Who Met the Aerobic and Muscle-Strengthening Guidelines, 2008–2016



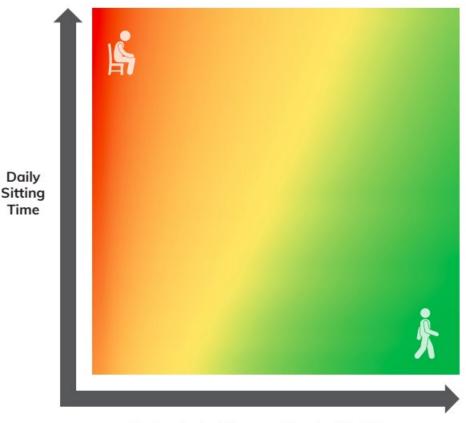
https://health.gov/sites/default/files/2019-09/Physical\_Activity\_Guidelines\_2nd\_edition.pdf



Campaign resources, including interactive tools, fact sheets, videos, and graphics, are available at https://www.health.gov/PAGuidelines/



Figure 1-3. Relationship Among Moderate-to-Vigorous Physical Activity, Sitting Time, and Risk of All-Cause Mortality in Adults



Moderate-to-Vigorous Physical Activity Risk of all-cause mortality decreases as one moves from red to green.

Source: This heat map is adapted from data found in Ekelund U, Steene-Johannessen J, Brown WJ. Does physical activity attenuate, or even eliminate, the detrimental association of sitting time with mortality? A harmonized meta-analysis of data from more than 1 million men and women. Lancet. 2016;388:1302-1310. doi:10.1016/S0140-6736(16)30370-1.

https://health.gov/sites/default/files/201909/Physical\_Activity\_Guidelines\_2nd\_edition.pdf

### 30-Second

### Chair Stand

**Purpose:** To test leg strength and endurance **Equipment:** A chair with a straight back without arm rests (seat 17" high), and a stopwatch.

#### Instruct the patient:



- 2. Place your hands on the opposite shoulder crossed, at the wrists.
- 3. Keep your feet flat on the floor.
- 4. Keep your back straight, and keep your arms against your chest.
- 5. On "Go," rise to a full standing position, then sit back down again.
- 6. Repeat this for 30 seconds.

#### (2) On the word "Go," begin timing.

If the patient must use his/her arms to stand, stop the test. Record "0" for the number and score.

③ Count the number of times the patient comes to a full standing position in 30 seconds.

If the patient is over halfway to a standing position when 30 seconds have elapsed, count it as a stand.

④ Record the number of times the patient stands in 30 seconds.

Number: Score:

CDC's STEADI tools and resources can help you screen, assess, and intervene to reduce your patient's fall risk. For more information, visit www.cdc.gov/steadi



#### Can detect early declines in functional independence<sup>1</sup>.

1. Millor, N., Gomez, Marisol. An evaluation of the 30-s chair stand test in older adults: Frailty detection based on kinematic parameters from a single inertial unit. Journal of NeuroEngineering and Rehabilitation. 2013. 10(1): 86



#### SCORING

Patient

Date

Time

NOTE:

Stand next to the patient for safety.

> Chair Stand Below Average Scores

AGE	MEN	WOMEN
60-64	< 14	< 12
65-69	< 12	< 11
70-74	< 12	< 10
75-79	< 11	< 10
80-84	< 10	< 9
85-89	< 8	< 8
90-94	< 7	< 4

A below average score indicates a risk for falls.

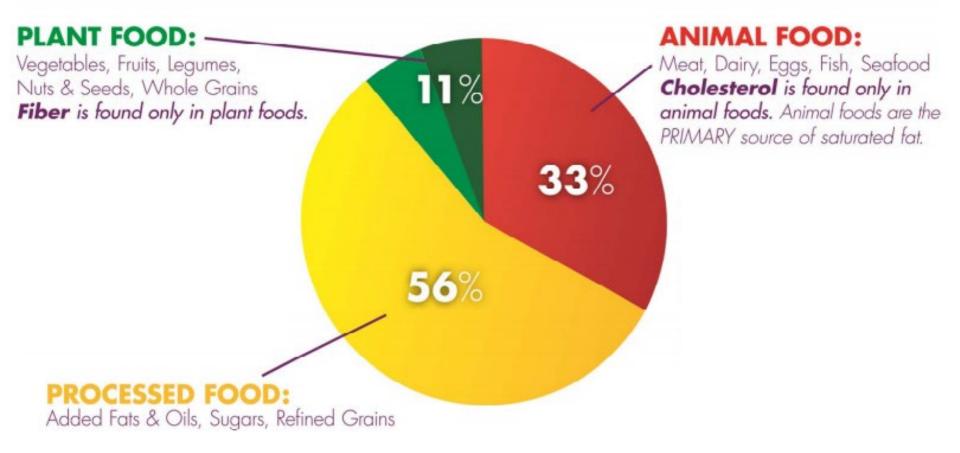


## Push-Up Test Norms

	Age (years)				
Rating	20-29	30-39	40-49	50-59	60-69
Male Norms:					
Excellent	≥36	≥30	≥26	≥21	≥18
Very good	29-35	22–29	17-25	13-20	11–17
Good	22-28	17–21	13–16	10–12	8–10
Fair	17-21	12-16	10–12	7–9	5–7
Needs improvement	≤16	≤11	≤9	≤6	≤4
Female Norms:					
Excellent	≥30	≥27	≥24	≥21	≥17
Very good	21–29	20–26	15-23	11–20	12–16
Good	15-20	13-19	11–14	7–10	5–11
Fair	10–14	8–12	5–10	2–6	1–4
Needs improvement	≤9	≤7	≤4	≤1	≤1

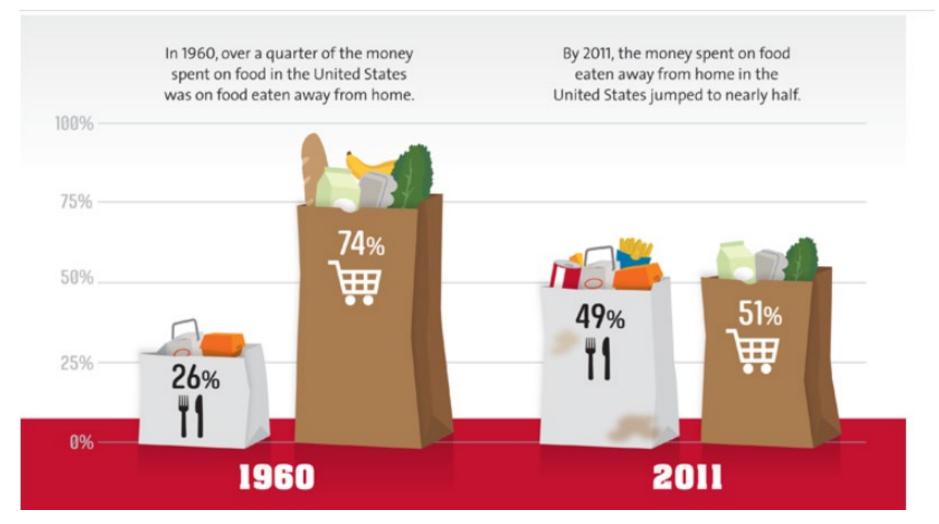
Source: The Canadian Physical Activity Fitness and Lifestyle Appraisal: CSEP's Plan for Healthy Active Living, 2nd edition, 1998.

## U.S. FOOD CONSUMPTION AS A % OF CALORIES



https://healthyschoolfood.org/

## **Fast Food**



Graphic Source: https://www.cdc.gov/nccdphp/dnpao/multimedia/infographics/golight.html

#### CHS Attornal Center Health Statistics FAST FOOD CONSUMPTION AMONG U.S. CHILDREN AND ADOLESCENTS, 2015–2018



More than 1/3 of youth aged 2–19 eat fast food on a given day

Source: www.cdc.gov/nchs/products/visual-gallery/fast-food-consumption.htm?Sort=Title%3A%3Aasc

## TIME TO Scale Back

Portion sizes have been growing, so have we. Burgers today are three times bigger than they were in the 1950s, and men are, on average, 28 pounds heavier. At this rate, imagine the size of a burger in 2050! But, we can work together to make healthy living easier. Scale back when eating out by ordering the smaller portion, sharing with a friend, or eating half and taking the rest with you. And, ask the restaurant manager to offer smaller-sized options.



Graphic Source: https://www.cdc.gov/nccdphp/dnpao/multimedia/infographics/timetoscaleback.html

## **AHA Guidelines**

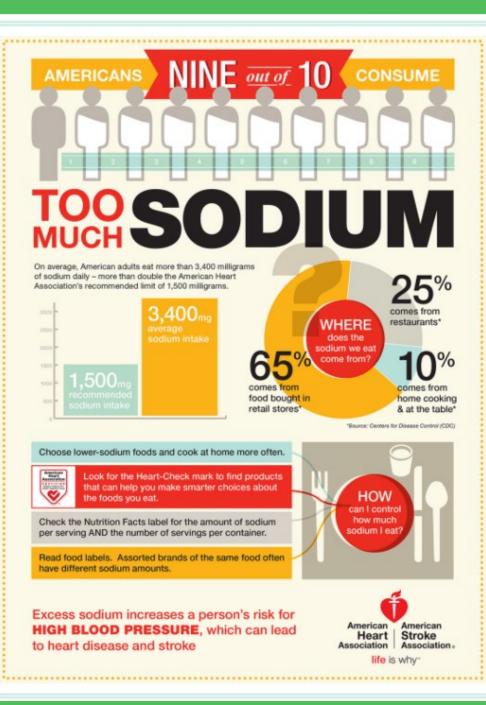
**3,400** milligrams the amount of sodium the average American consumes in a day

> **1,500** milligrams or less recommended by the AHA for ideal heart health

### How much sodium is in salt?

These amounts are approximate. 1/2 teaspoon salt = 1,150 mg sodium 1 teaspoon salt = 2,300 mg sodium

Image Source: www.heart.org/en/healthy-living/healthy-eating/eat-smart/sodium/9-out-of-10-americans-eat-too-much-sodium-infographic



#### SODIUM TRACKER



When recording your sodium intake, be sure to keep in mind that different brands and restaurant preparation of the same foods may have different sodium levels so ask your server or look online for sodium content of restaurant foods. To track your sodium intake check the nutrition labels of the foods you eat and prepare. When preparing homemade foods, check the sodium content in individual ingredients, then add up the totals. Sodium levels of the same food can vary widely, so it is important to educate yourself by reading labels and looking for low-sodium options.

The American Heart Association's Heart-Check mark—whether in the grocery store or restaurant helps shoppers see through the clutter on grocery store shelves to find foods that help you build a heart-healthy diet. Visit heart-org/sodium for more information.

visit heart.org/sourdin for more information.			
MEAL	FOOD	SODIUM	NOTES
Breakfast			
Snack			
Lunch			
Snack			
Dínner			
Snack			
	DAILY SODIUM TOTAL		

Source: https://www.heart.org/en/healthyliving/healthy-eating/eat-smart/sodium/9-out-of-10americans-eat-too-much-sodium-infographic

## Where does it come from?



Image Source: www.heart.org/en/healthy-living/healthy-eating/eat-smart/sodium/9-out-of-10-americans-eat-too-much-sodium-infographic

## Cheeseburger

## Calories: 530 Sodium: 1,090 mg Fat: 27g



## Bacon & Egg Sandwich



### Calories: 500 Sodium: 2,336mg Fat: 27g

## **Chicken Sandwich**



Calories: 450 Sodium: 1,620mg Fat: 19g

## 6-inch Italian Sub



### Calories: 390 Sodium: 1,330mg Fat: 17g

Image Source: pexels

## Taco Salad (Full Size)



Calories: 660 Sodium: 1,820mg Fat: 32g

## **Medium French Fries**



Calories: 450 Sodium: 820mg Fat: 21g

## **Chicken Caesar Salad**



Calories: 1,020 Sodium: 2,030mg Fat: 46g

### 3 Slices Pizza (12"medium pizza)

	Cheese	Meat
		Lovers
Calories	720	990
Sodium	1,590mg	2,490mg
Fat	30g	54g



#### THE AMERICAN HEART ASSOCIATION RECOMMENDED DAILY LIMIT FOR ADDED SUGARS:



Image Source: American Heart Association: www.heart.org/

### **HEALTHY KIDS ARE SWEET ENOUGH**

## Kids age 2-18 should have LESS THAN 25 GRAMS or SIX TEASPOONS of ADDED SUGARS DAILY

for a healthy heart.

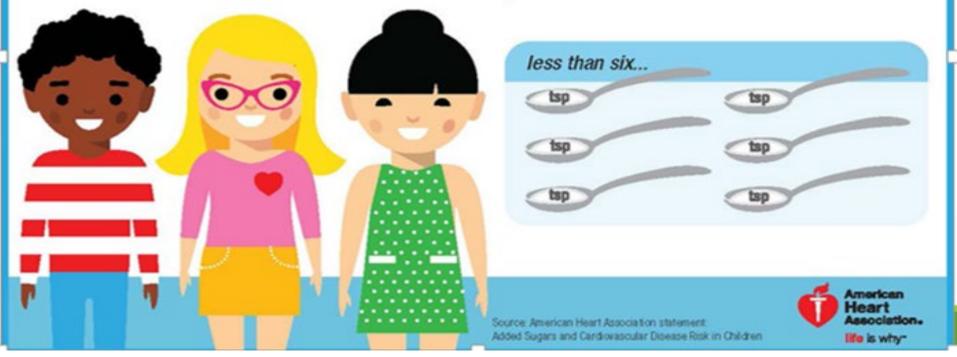
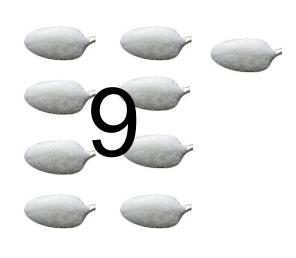


Image Source: American Heart Association: www.heart.org/

## 32-ounce Sweet Tea





#### Photo by Julia D'Alkmin on Unsplash

## 20 oz. Sports Drink



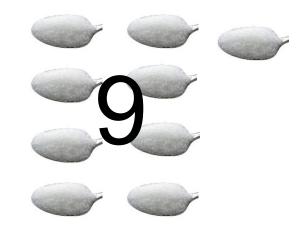


Photo by John McArthur on Unsplash

## 20 oz. Soda



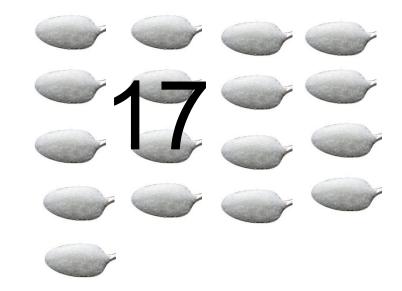


Photo by <u>Alex Loup</u> on <u>Unsplash</u>

## 16 oz. White Chocolate Mocha



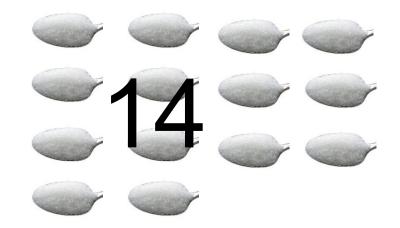


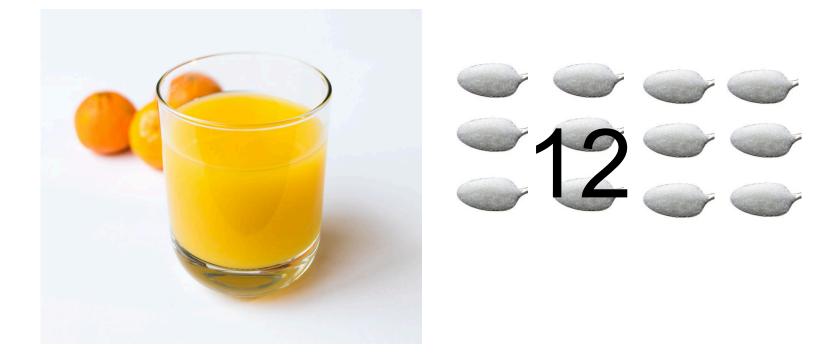
Photo by Kelly Sikkema on Unsplash

## 16 oz. Apple Juice



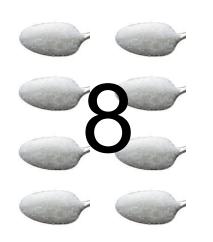
Source image: dollartree.org

## 11.5 oz. Simply Orange



## 20 ounce Vitamin Water





Source image: dollartree.org

## Behavior change fundamentals & practical behavior change *"upgrades"*



## **Relationship Building**

Expert vs. Coach People first language Acknowledge past behavior change attempts Collaborate with health and wellness coaches

<sup>1.</sup> American College of Lifestyle Medicine. Foundations of Lifestyle Medicine: Board Review Manual. 3<sup>rd</sup> edition. 2021. Reprinted with permission.

## Assess Patient's Readiness to Change

Stage	Patient	Provider
Precontemplation	Not thinking about making a change at all now or within the next 6 months	Discuss health risks associated with specific behaviors and highlight benefits associated with change.
Contemplation	Thinking about making a change within the next 6 months	Personalize and weight health risks and benefits. Highlight impact on personal goals.
Preparation	Preparing to make a change within the next month	Assist with commitment, plan specific changes and discuss ways to modify their environment.
Action	Started a change within last 6 months. Have not hit target goal or hit it consistently for 6 months.	Structure plan, identify barriers and social support, problem-solve, use CT and reframe unhealthy thought patterns.
Maintenance	Successfully making the target change for more than 6 months.	Discuss coping strategies to mitigate stress and continue reinforcement as well as CBT.

American College of Lifestyle Medicine. Foundations of Lifestyle Medicine: Board Review Manual. 3<sup>rd</sup> edition. 2021. Reprinted with permission.

# Apply Motivational Interviewing

Most useful in **pre-contemplation** and **contemplative stages**.

## **Principles:**

- Express empathy
- Support self-efficacy
- Roll with resistance
- Point out discrepancy with what patient wants and where the patient is.

# **Skills:** Ask open-ended questions, affirm, reflect, and summarize

American College of Lifestyle Medicine. Foundations of Lifestyle Medicine: Board Review Manual. 3<sup>rd</sup> edition. 2021. Reprinted with permission.
 MI Definition Principles & Approach.

www.umass.edu/studentlife/sites/default/files/documents/pdf/Motivational\_Interviewing\_Definition\_Principles\_Approach.pdf

## **SMART Prescription/Action Plan**

Specific Measurable Achievable Relevant Time Frame

American College of Lifestyle Medicine. Foundations of Lifestyle Medicine: Board Review Manual. 3rd edition. 2021. Reprinted with permission.

## **SMART Prescription (Action Plan)**

What? (specific action)	Walk
How much? (time, distance, amount)	30 minutes
When? (time of day, which days of week)	Monday, Wednesday, Friday
<b>How often?</b> (number of days in the week)	3 days per week
Support System, Barriers/Solutions	Husband with me. If it rains, go to mall.
Confidence Level (scale of 0 to 10)	8

1. Lorig K, Laurent DD, Plant K, Krishnan E, Ritter PL. **The components of action planning and their associations with behavior and health outcomes.** Chronic Illn 2013 Jul 9 (ePub). <u>View abstract</u>

2. American College of Lifestyle Medicine. Foundations of Lifestyle Medicine: Board Review Manual. 3<sup>rd</sup> edition. 2021. Reprinted with permission.

## **10-Point Confidence Level**

# How sure are you that you will complete your Action Plan?

- On a scale of 0=not at all sure to 10=totally sure.
- Goal = 7 or above.
- Less than 7, work with patient to identify barriers/solutions to increase confidence level.

## **Physical Activity SMART Prescriptions (Action Plan)**

stopping to catch your breath

#### Tips to be more active

<ul> <li>Write down the reason you want to be active and place is somewhere you will see</li> <li>Break your daily activity up into smaller sessions</li> <li>Join a walking group or walk with a buddy</li> <li>Take the stairs</li> <li>Park further away</li> </ul>	* Lifestyle /// Medicine
<ul> <li>Set a time to get up every hour and move for at least one minute</li> <li>Listen to music</li> <li>Try a YouTube physical activity video</li> <li>Track your activity</li> <li>Schedule your activity on a calendar and put it somewhere you will see it daily</li> <li>Get a pedometer and track your steps</li> </ul>	HEALTHY Rewan Constitute Be an original
<ul> <li>Get a pedometer and track your steps</li> <li>Track your walk or run with the RunKeeper or MyFitnessPal app</li> <li>Take walking breaks (i.e. 1-2 minutes in place or around your house/workplace eve 2-3 hours).</li> <li>Other:</li></ul>	ery COMMUNITY CARE CLINC of Reven County of tyle Medicine Rx - Physical Activity
Your Lifestyle Medicine Rx - Physical Activ Patient Name: DOB:	htty in white ment of the body that uses energy. Aerobic physical activity gets wor heart is benefits aerobic activity should be moderate or vigorous intensity. Danber • Taking the stairs • Yard work Ity active can help you:
Do <u>15</u> min of <u>Walking</u> (physical activity) <u>3</u> day Domin offordays per week. Other:	(ST) rsical activity do you need? ty Guidelines recommend 150 minutes of moderate intensity aerobic activity each week.
Mon, Wed, Friday. Walk @ mall if it rains. Cor	a long time, but if you break it up you will reach your goal in no time!
Provider Signature Date	dancing in house . physical activity
	Use the Talk Test   Low intensity- able to sing and talk Moderate intensity- able to talk but not sing (recommended) Vigorous intensity- able to only say a few words without

## **Nutrition SMART Prescriptions (Action Plan)**

COMMUNITY

CARE CLINIC

#### Tips to eating smarter



HEALTHY RowAN

#### Your Lifestyle Medicine Rx - Healthy Eating

Patient Name:\_\_\_\_\_

DOB:

Eat 1 servings of fruit \_, 3 times per week.M,W,F - CL 9

- Eat breakfast\_\_\_\_times per week.
- Plan and fix\_\_\_\_meals per week.
- Drink\_oz. water \_\_\_\_\_times per week.
- Other: \_\_\_\_\_\_

Buy fresh frozen fruit for an emergency

Provider Signature



#### Your Lifestyle Medicine Rx - Healthy Eating

Eating healthy doesn't mean you have to diet or give up the foods you love. It means that most of the time you make smart choices. Try to eat more meals at home. Eat less fast food and processed foods (packaged/canned foods). Use the healthy plate below to help you make more meals at home.

#### Eating smarter can help with

More energy	<ul> <li>Blood sugar</li> </ul>	- Better health
<ul> <li>Stronger bones</li> </ul>	<ul> <li>Blood pressure</li> </ul>	<ul> <li>Anxiety &amp; stress</li> </ul>
<ul> <li>Healthy weight</li> </ul>	<ul> <li>Depression</li> </ul>	<ul> <li>Sleep issues</li> </ul>

#### What does a healthy plate look like?



#### 25% Protein-Rich Foods

Choose fish, poultry, beans, and nuts; limit red meat; avoid bacon, lunch meat, and other processed meats.

#### 25% Fiber-Rich Foods

Eat whole grains (like brown rice, whole-wheat bread, and whole-grain pasta). Limit refined grains (like white rice and white bread).

Source:www.hsph.harvard.edu

## **Nutrition SMART Prescriptions (Action Plan)**

**1**edicine

COMMUNITY

CARE CLINIC

#### Tips to eating smarter



HEALTHY ReWAN A Conserventh Conflime Be an original.

#### Your Lifestyle Medicine Rx - Healthy Eating

Patient Name:\_\_\_\_\_

DOB:

- Eat\_\_\_\_\_servings of \_\_\_\_\_\_, \_\_\_times per week.
- Eat breakfast\_\_\_\_times per week.
- Plan and fix meals per week.
- □ Drink<u>16</u> oz. water <u>3</u> times per week.Tues,Thurs, Sat; CL 8
- Other: \_\_\_\_\_

Use Healthy Rowan water bottle. Get 8 oz. before you start the day.

Provider Signature



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#### What does a healthy plate look like?

all colors!



#### 25% Protein-Rich Foods

ness

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Source:www.hsph.harvard.edu

## **Nutrition SMART Prescriptions (Action Plan)**

COMMUNITY

CARE CLINIC

#### Tips to eating smarter



HEALTHY Rowan

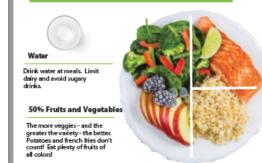
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Source: www.hsph.harvard.edu

### Your Lifestyle Medicine Rx - Healthy Eating

Patient Name:\_\_\_\_\_

DOB:

- Eat\_\_\_\_ servings of \_\_\_\_\_, \_\_\_times per week.
- □ Eat breakfast\_\_\_\_times per week.
- Plan and fix <u>3</u> meals per week. M,W,F CL 9
- Drink\_oz. water \_\_\_\_\_times per week.
- Other: \_\_\_\_\_\_

Write down your favorite 3 recipes and make them for dinner. Leftovers can be lunch. Try Healthy Rowan bean salad recipe.

Provider Signature

## Maintenance of Plan

## Follow-up visits:

- 1. Review and update diagnosis and lifestyle recommendations.
- 2. Review patients previous SMART RX/action plans
- 3. Listen, reflect, summarize.
- 4. Use positive psychology and affirm patient's strengths and progress made.
- 5. Create new plan with patient.

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## **Behavior Strategies Recap**

## RECAP

- 1. Patients are eating too much sugar, salt, and fat. Too much process food, especially fast food.
- 2. Work on yourself-(Action Plan)
- 3. Move more
- 4. Drink water
- 5. Eat fruit
- 6. Make more meals at home

## Resources

Cabarrus Health Alliance Physical Activity Resources- Physical activity videos, brochures, resources

www.cabarrushealth.org/376/Resources

Healthy Rowan Physical Activity Resources- Physical activity videos, brochures, resources www.healthyrowan.org/physical-activity/local-resources/

American Heart Association Infographics www.heart.org/en/healthy-living/healthy-living-infographics

Centers for Disease Control and Prevention. The CDC Guide to Strategies to Increase the Consumption of Fruits and Vegetables

www.cdc.gov/obesity/downloads/strategies-fruits-and-vegetables.pdf

**30-second chair stand** https://www.cdc.gov/steadi/pdf/STEADI-Assessment-30Sec-508.pdf

Physical Activity Guidelines for Americans www.health.gov/our-work/physical-activity/current-guidelines

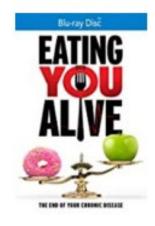
Full Plate Living https://www.fullplateliving.org/



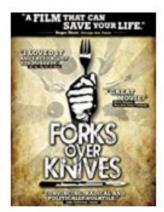
Resources to empower patients for at home learning

# Videos









#### Resources

## American College of Lifestyle Medicine - <u>www.lifestylemedicine.com</u>

- Scientific articles
- Tools/resources handouts
- Membership additional resources, interest groups
- Education- webinars, trainings, courses, certifcations

