The Food We Eat: Nutrition's Role in Cancer Prevention and Survivorship Outpatient Oncology Dietitian Rebecca Beaudoin, RDN, LMNT University of Nebraska Medical Center COLLEGE OF ALLED HEALTH PROFESSIONS

A little about me...

Dietitian for 24 years

I work in the Buffet Cancer Center in Outpatient Oncology, and my areas of focus are survivorship and cancers of the breast, gynecological, lung, skin, and brain.



Loves: yoga, gardening, being outside, volunteering, presenting





Conflict of Interest

· None to disclose



Objectives

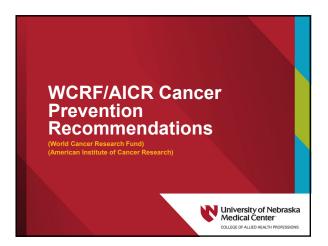
- Describe the American Institute for Cancer Research's lifestyle guidelines for cancer prevention and how to incorporate into practice and/or your own personal health.
- Discuss how to incorporate components of a plant-based diet into your daily life and/or when educating your patients on preventative care.
- Identify the relationship between physical activity and cancer risk and how this is related to overall health management.

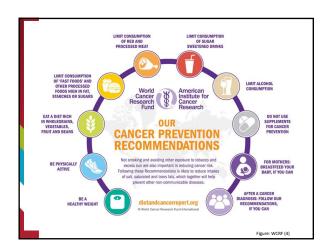


Where can I go for reliable information?

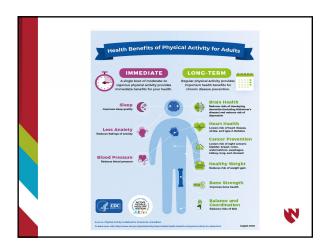
- American Institute for Cancer Research (aicr.org) and the World Cancer Research Fund (wcrf.org)
 - Mission: Champion the latest and most authoritative scientific research from around the world on cancer prevention and survival through diet, weight and physical activity so that we can help people make informed lifestyle choices to reduce their cancer risk.
 - Third Expert Report: The world's most comprehensive report on lifestyle and cancer prevention.
 - Cancer Prevention Recommendations: summarized/drawn from the Third Expert Report







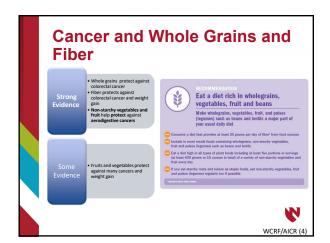




Bringing the Recommendation to Life

- Think of it as "activity, not exercise."
- · Move more, sit less
- Something is better than nothing.
- Small goals really do add up, try 10 minutes to start
- More than the scale
- 30 minutes, most days
- Make it fun, something you enjoy, don't judge your activity
- Partner up
- Plan- how does this adjust seasonally?
- · Track- wearable device, track time, etc.
- · Try something new
- Standing desk
- Find an app that works for you







Walking to a Plant Based Lifestyle





What does "Plant-Based" Mean?

- "Plant forward:" focus on foods that come from plants- fruit, veggies, whole grains, beans, etc.
- Does not necessarily mean vegan or vegetarian.
- Plant foods are high in fiber, nutrients, phytochemicals (natural substances) that may help prevent cancer.



The "Standard American Plate"







Growing the Plants in your Day

- How about two vegetables at a meal? Even better if they're different colors
- Build a meal around a salad. Fill a bowl with salad greens, add at least 2 other vegetables (carrots, cabbage, etc.), and top with herbs, beans, nuts, etc.
- Think of meat as a garnish.
- Choose healthy fats: olive oil, olives, nuts and nut butters, seeds, and avocados
- Try a meatless Monday. Build these meals around beans, whole grains, and vegetables.
- Start the day with whole grains. Try oatmeal or even quinoa and top with nuts/fruit
- Eat fruit for dessert. Sample in-season for peak flavor.



Cancer and fast food



RECOMMENDATION

Limit consumption of 'fast foods' and other processed foods high in fat, starches or sugars

Limiting these foods helps control calorie intake and maintain a healthy weight

Limit consumption of processed foods high in fat, starches or sugars – including 'fast foods'; many pre-prepared dishes, snacks, bakery foods and desserts; and confectionery (candy)

1 Fast foods' are readily available convenience foods that tend to be energy dense and are often consumed frequently and in large portion



WCRF/AICR (4)

Cancer and Red/Processed Meat

Strong Evidence

- Red meat and processed meat are causes of colorectal cancer
- </= 18 oz chosen to balance benefits of nutrients and risks
- Processed meatshigh salt and cooking methods that generate carcinogens

	RECOMMENDATION Limit consumption of red and processed meat
	Eat no more than moderate amounts of red me such as beef, pork and lamb. Eat little, if any, processed meat ²

If you eat red meat, limit consumption to no more than about three portions per we.

Three portions is equivalent to about 350 to 500 grams (about 12 to 18 ounces)

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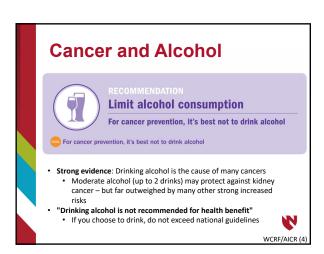
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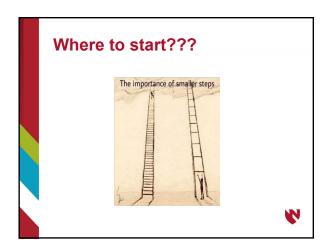
Cancer and Healthy Weight Be a healthy weight Keep your weight within the healthy range¹ and avoid weight gain in adult life Ensure that body weight during childhood and adolescence projects towards the lower end of the healthy adult BMI range Compared throughout life Keep your weight as low as you can within the healthy range throughout life Avoid weight gain (measured as body weight or waist circumference)² throughout adulthood Healthy Weight: • BMI 18.5-24.9 kg/m2 Waist Circumference Men: 37"Women: 31.5"

WCRF/AICR (4)

Cancer and Supplements Try to meet nutritional needs through diet alone They can't provide the variety and synergy of nutrients and phytochemicals in food Do not use supplements for cancer prevention "Too much of a good thing isn't good" Not enough long-term data



Cancer survivor diet recommendations RECOMMENDATION After a cancer diagnosis: follow our Recommendations, if you can Check with your health professional what is right for you All cancer survivors¹ should receive nutritional care and guidance on physical activity from trained professionals Unless otherwise advised, and if you can, all cancer survivors are advised to follow the Cancer Prevention Recommendations as far as possible after the acute stage of treatment



SMART goals

"Goal Stacking"

Every little step helps!

Adding a fruit and/or veggie to your day.

Ten minutes is better than none!

Meet yourself where you are at. What healthy habit are you willing/able to tackle?

Take Home Message?

- Excess body weight and obesity are causes of several cancers
- Nutrition and healthy lifestyle patterns can decrease risk of cancer and help prevent other diseases.
- Create life-long healthy living patterns and positive relationships with food!
- Remembering it's a process!





Images: pinterest.com

Recipes

Check out www.aicr.org/cancer-prevention/recipes/

Roasted Spiced Chickpeas - American Institute for Cancer Research (aicr.org)

<u>Creamy Broccoli Apple Salad - American Institute for Cancer Research (aicr.org)</u>



Roasted **Chickpeas**

- Ingredients:

 1 Isp ground cumin

 1 Isp smoked sweet paprika

 ½ Isp garlic powder

 ½ Isp garlic powder

 ½ Isp ground black pepper

 1/8 Isp ground black pepper

 1/8 Isp ayenned pepper

 1 Its pail

 2 T extra virgin olive oil

 1 can (15 oz) chickpeas (garbanzo beans),
 drained and rinsed



Directions:

1) Line baking pan with parchment paper and set aside.

2) In a medium bowl, whisk to combine spices. Whisk in oil.

3) Spread frained and rinsed chickpeas on paper towels and blot, making sure chickpeas are as dry as possible.

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4) Add chickneas to spice mixture, using your fingers to evenly coat with the mixture. Spread on prepared pan in one layer.

5) Bake chickneas for 20 – 25 minutes at 400 degrees, stirring every 5 minutes, until crispy and firm. Cool on pan.



Creamy Broccoli Apple Salad Ingredients: 4 cup broccoli florets 4 cup broccoli florets 4 cup broccoli florets 4 ver do noino, silced thin 2 apples, diced 4 ver do noino, silced thin 2 apples, diced 5 cup pecars, chopped 6 cup pecars, chopped 7 cup plain Greek yogurt 2 T lemon juice 1 T honey Salt and pepper, to taste Directions: 1) In a large bowl, combine first 6 ingredients. 2) In a separate bowl, whisk yogurt, lemon juice, honey. 3) Cobine yogurt mixture with fruitiveg mixture and toss well. Season with salt and pepper. 4) Chill until ready to serve

Want to learn more? Virtual Cooking Class Available: Fighting Inflammation with Fiber Thursday, Oct 20th, 4 – 4:30 https://unmc.zoom.us/webinar/register/2016627495820WN_U103pM2pS20 SiE50hsQcuw Friday, Oct 21st, 12 – 12:30 https://unmc.zoom.us/webinar/register/3716627496484/WN_YZlw6ByPSFWyS X1gux80hw



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