

How Commissaries May Support 5210 Healthy Military Children

5210 Healthy Military Children is a Military-wide plan to improve child health. It spreads a common message throughout children's communities, where families work, live, and play. The message represents four healthy behaviors children should achieve each day:

5 or more servings of fruits and vegetables

2 or fewer hours of recreational screen time+

1 or more hours of physical activity

0 sweetened beverages

† review guidelines on parenting strategies to ensure quality screen time (AAP, 2015)

Commissaries are a central part of a Military family's food environment because most food purchases are made at full-service supermarkets like commissaries. Commissaries can play an important role in supporting healthy eating and drinking in Military families. The resources assembled in this toolkit are designed to help commissaries promote fruit and vegetable consumption and decrease sweetened beverage intake (the "5" and the "0" of "5210").

The following materials are available for commissaries:

- 1. **Tips At Commissaries handout** targets shoppers, and provides them with commissary-specific tips to increase fruit and vegetable consumption and decrease sweetened beverage consumption.
- 2. **Tips At Commissaries posters** enlarged versions of the Tips At Commissaries handout are available in two sizes (27" x 40" and 38" x 56") to hang in highly-visible locations.
- 3. **Healthy Shopping On A Budget handout** provides shoppers with money-saving tips to make healthy food purchases.
- 4. **Healthy Brown Bag Lunches handout** outlines a healthy lunch for each day in a week and includes a shopping list.
- 5. **Understanding Food Labels handout** describes how to locate and make sense of the important information provided on food labels.
- 6. **To Have Fruits And Vegetables Year-Round, Add Frozen Or Canned handout** lists some of the benefits of having frozen and canned produce available year-round, and includes ideas for use.
- 7. **Healthy Kids' Snacks handout** provides shoppers who are parents with a list of healthy snacks they may purchase at the commissary.
- 8. **Healthy Eating In A Hurry** provides tips on ways to create quick and healthy meals on a busy schedule.

We recommend hanging the poster in highly-visible locations in the commissary and placing the handouts at the customer service desk, on café tables, and in high-traffic areas in the store where they are likely to be seen and used. Digital versions are available and may be inserted into Commissary Connection newsletters and uploaded to the Defense Commissary Agency website and via social media.

For more information, visit the Penn State Clearinghouse for Military Family Readiness online at

www.militaryfamilies.psu.edu or call 1-877-382-9185. We will be happy to answer your questions!





Tips at Commissaries





or more servings of fruits and vegetables

Making good choices when you're at the commissary can set your family up for a week of healthy eating! For some people, creating a menu before grocery shopping is a helpful way to try out new recipes, incorporate more fruits and vegetables in the diet, create a more accurate shopping list, and ensure that less produce goes to waste.

- Vary your vegetables and fruits eating a mix of colors will ensure that you consume a variety of healthy antioxidants!
- Coupon clipping can be a great way to save money but don't let the availability of a coupon derail you from making healthy choices! Look for fruit and vegetable specials offered at your local commissary.
- Frozen produce can contain more nutrients than out-ofseason fresh produce, often lacks the salt found in canned foods, doesn't spoil, and can be added to anything from omelets to soups to casseroles—so stock up!



or fewer hours of recreational screen time+

[†]review guidelines on parenting strategies to ensure quality screen time (AAP, 2015)

Screen time is free time spent in front of screens – like televisions, video games, and the Internet. It is possible to get enough physical activity and still engage in an unhealthy amount of screen time – so encourage your family to find other fun ways to spend their free time!

- Turn off televisions and put away cell phones during meals and enjoy spending time with friends or family.
- Work with your children to identify a variety of activities they enjoy that do not involve screens. Encourage these activities during leisure time and serve as a role model.
- Make televisions, video games, and the internet less convenient to use during free time so that healthier choices are easier to make.



or more hours of physical activity

Moving your body is a great way to burn calories, improve your mood, boost your energy, prevent cancer and cardiovascular diseases, and help you sleep better at night – plus, it's easy to sneak a few minutes of physical activity into your schedule at the commissary!

- When you only have a few items on your shopping list, consider walking or riding your bike to the commissary.
- Build a few extra minutes of physical activity into your day by choosing a far-away parking spot.
- When you get home, turn on your favorite music and have a dance party while you put away your groceries!



sweetened beverages

It is important to drink fluids to stay healthy, but sweetened beverages add extra sugar and calories to your family's diet. The commissary is the perfect place to check out a beverage's ingredient list so you can make informed purchases.

- Avoid buying drinks with the following ingredients: sugar, honey, sweetener, syrup (e.g., corn syrup, brown rice syrup), and/or ingredients ending in "ose" (e.g., glucose, dextrose).
- Consider purchasing sparkling water, lemons to slice and add to still water, or a box of fruity herbal tea to drink hot or iced – they're all tasty, calorie-free alternatives to plain water!
- Nonfat and 1% milk and 100% fruit and vegetable juices contain beneficial nutrients and also calories, so think of them as foods that contribute towards your family's diet.

Contact the Clearinghouse for Military Family Readiness at 1-877-382-9185 or www.militaryfamilies.psu.edu for help identifying programs and resources targeting nutrition, physical activity, and screen time!



References

Academy of Nutrition and Dietetics. (2013). Position of the Academy of Nutrition and Dietetics: Total diet approach to healthy eating. *Journal of the Academy of Nutrition and Dietetics*, 113(2), 307-317.

American Academy of Pediatrics. (2013). Policy statement: Use and misuse of fruit juice in pediatrics. Pediatrics, 107(5), 1210-1213.

Brown, A., Shifrin, D.L., & Hill, D.L. (2015). Beyond turn it off: How to advise families on media use. American Academy of Pediatric News, 36(10), 1-1.

Gortmaker, S., Long, M., & Wang, Y. C. (2009). The negative impact of sugar-sweetened beverages on children's health. Retrieved from http://www.rwjf.org/en/research-publications/find-rwjf-research/2009/11/the-negative-impact-of-sugar-sweetened-beverages-on-children-s-h.html

Ludwig, D. S. (2009). Artificially sweetened beverages: Cause for concern. Journal of the American Medical Association, 302(22), 2477-2478.

McNeill, L. H., Kreuter, M. W., & Subramanian, S. V. (2006). Social environment and physical activity: A review of concepts and evidence. Social Science & Medicine, 63(4), 1011-1022.

Office of Disease Prevention & Health Promotion, U.S. Department of Health and Human Services. (2008). 2008 Physical activity guidelines for Americans. Retrieved from http://www.health.gov/paguidelines/guidelines/default.aspx

Popkin, B. M., Armstrong, L. E., Bray, G. M., Caballero, B., Frei, B., & Willett, W. C. (2006). A new proposed guidance system for beverage consumption in the United States. *American Journal of Clinical Nutrition*, 83(3), 529-542.

Salmon, J., Timperio, A., Telford, A., Carver, A., & Crawford, D. (2005). Association of family environment with children's television viewing and with low level of physical activity. *Obesity Research*, 13(11), 1939-1951.

U.S. Department of Agriculture. (n.d.). ChooseMyPlate.gov. Retrieved from http://choosemyplate.gov

U.S. Department of Agriculture & U.S. Department of Health and Human Services. (2010). Dietary guidelines for Americans 2010. Retrieved from http://www.cnpp.usda.gov/DGAs2010-PolicyDocument.htm

Winston, C., & Beck, L. (1999). Phytochemicals: Health protective effects. Canadian Journal of Dietetic Practice and Research, 60(2), 78-84.





Definitions & Recommendations



or more servings of fruits and vegetables

One serving of fruits and vegetables is:

- 1 medium fruit
- ½ cup of chopped, canned, or cooked fruit
- 1/4 cup of dried fruit
- 1 cup of raw leafy greens
- ½ cup of raw or cooked vegetables
- ½ cup of 100% fruit or vegetable juice



The Dietary Guidelines for Americans 2010¹ provide the following recommendations:

- Increase fruit and vegetable intake.
- Eat a variety of vegetables, especially dark-green, red, and orange vegetables, and beans and peas.

The American Academy of Pediatrics² has the following recommendations for consuming fruit juice:

- Do not give juice to infants younger than 6 months.
- Limit juice to 4-6 oz per day in children 1 to 6 years.
- Limit juice to 8-12 oz per day in children and adolescents 7 years and older.
- Fruit juice offers no nutritional benefits over whole fruits, and whole fruits provide fiber and other nutrients.

The United States Department of Agriculture recommends that half of a person's plate should be fruits and vegetables³. This recommendation is reflected on the current U.S. Food Guidance System, MyPlate, which is shown to the left.

- U.S. Department of Agriculture & U.S. Department of Health and Human Services. (2010). Dietary Guidelines for Americans 2010. Retrieved from http://www.cnpp.usda.gov/DGAs2010-PolicyDocument.htm
- 2. American Academy of Pediatrics. (2013). Policy Statement: Use and Misuse of Fruit Juice in Pediatrics. *Pediatrics*, 107(5), 1210-1213.
- 3. U.S. Department of Agriculture. (n.d.). *ChooseMyPlate.gov*. Retrieved from http://choosemyplate.gov



or fewer hours of recreational screen time⁺

*review guidelines on parenting strategies to encourage quality screen time (AAP, 2015)

Recreational screen time is free time spent sitting or reclining in front of televisions, computers, tablets, and similar screens. Children will engage in screen time as fully as they do in any other activity and screen time can have its positive and negative effects. So, the American Academy of Pediatrics¹ makes these recommendations:

- Become involved in children's media use and set limits around screen time.
- Help children learn to distinguish and choose programs that contain quality content.
- Become role models for children, demonstrating the value of productive time spent away from screens.
- Attempt to keep children under the age of 2 years away from screens entirely.

1. Brown, A., Shifrin, D.L (2015). Beyond turn it off: How to advise families on media use. *American Academy of Pediatrics News*, 36(10), 1-1.





or more hours of physical activity

Physical activity is any movement of the body that raises one's heart rate above resting.

Structured physical activities are planned, and unstructured physical activities are free-play.

Aerobic physical activities involve moving large muscle groups. Moderate and vigorous aerobic activities make a person's heart, lungs, and muscles work noticeably harder. Examples include bicycling, swimming, and playing chasing games, like tag.

Muscle-strengthening physical activities include climbing and swinging on playground equipment, doing sit-ups and push-ups, and resistance training.

Bone-strengthening physical activities create an impact on bones, such as hitting a tennis ball, jumping rope, or practicing gymnastics.

For children 5 years and younger, the National Association for Sport and Physical Education¹ has developed the following recommendations:

- Infants under 12 months of age should engage in structured and unstructured physical activities each day that are devoted to exploring movement and developing motor skills.
- Toddlers (12 to 36 months old) should engage in structured physical activities for at least 30 minutes per day plus unstructured physical activities for at least 60 minutes (and up to several hours) per day.
- Preschoolers (3 to 5 years old) should engage in structured physical activities for at least 60 minutes per day plus unstructured physical activities for at least 60 minutes (and up to several hours) per day.

For children and adolescents 6 years and older, the U.S. Department of Health and Human Services² provides the following recommendations:

- Children and adolescents (6 to 17 years old) should engage in 1 hour of physical activity per day.
 - Most of the 1 hour should be moderate- or vigorous-intensity aerobic physical activities.
 - Muscle-strengthening physical activities should be included at least 3 days per week.
 - Bone-strengthening physical activities should be included at least 3 days per week.
- National Association for Sport and Physical Education. (2009). Active Start: A Statement of Physical Activity Guidelines for Children From Birth to Age 5.
 Retrieved from
 - http://www.aahperd.org/naspe/standards/nationalGuidelines/ActiveStart.cfm
- Office of Disease Prevention & Health Promotion, U.S. Department of Health and Human Services. (2008). 2008 Physical Activity Guidelines for Americans. Retrieved from http://www.health.gov/paguidelines/guidelines/default.aspx



Sweetened beverages are fruit drinks, sodas, sports drinks, and other beverages with caloric sweeteners like sugars and syrups.

Researchers from the Robert Wood Johnson Foundation Healthy Eating Research program¹ made the following conclusion following an examination of current evidence:

- Reducing sweetened beverage intake "would have no negative effect on children's health and would reduce the risk of childhood obesity and many other health problems, including type 2 diabetes, poor nutrition, excess caffeine consumption, and dental decay."
- 1. Gortmaker, S., Long, M., & Wang, Y. C. (2009). *The Negative Impact of Sugar-Sweetened Beverages on Children's Health*. Retrieved from http://www.rwjf.org/en/research-publications/find-rwjf-research/2009/11/the-negative-impact-of-sugar-sweetened-beverages-on-children-s-h.html





On a Budget

These tips will help you save time, save money and eat healthier!

Plan Ahead

Take time on the weekend to plan 3-4 healthy dinners for the upcoming week. No need to make a meal every day of the week. Make extra that can be eaten on those busy nights when you can't cook — leftovers!

Use What You Have

Take time to go through the pantry, fridge and freezer. Take note of what's on hand.

Make a List

Make a list of what you need and stick to it.

Look for Sales

Use store flyers when planning your menu. Plan your menu around what fruits and vegetables are on sale each week.

Try Canned or Frozen Produce

Canned or frozen fruits and vegetables keep for a long time and may be less expensive per serving than fresh. Look for items that are made with no added sauces or sugar, or that are labeled either "low sodium", "no salt added" or "in 100% juice."

Shop In Season

Buying fruits and vegetables in season generally means your food not only tastes better, but costs less. Check out your local farmers' market or look for farm stands in your community.

Made possible with funding from the US Centers for Disease Control and Prevention (CDC), in partnership with MaineHealth, Picker Family Resource Center at Pen Bay Healthcare, and Let's Go!

Go Generic

Try store brands. Store brands on average are cheaper by about 26% to 28% and their quality is usually the same or better than that of name brand products.

Buy in Bulk

Buy in bulk when foods are on sale. Frozen and canned fruits and vegetables, and some fresh items (like apples and carrots) will last a long time. If you have storage space, save money by stocking up on the foods you eat more often.

Shop the Perimeter

Spend most of your grocery budget on foods found around the outside of the store like fruits, vegetables, low-fat dairy and lean protein foods. Limit your shopping in the middle aisles to staples like whole wheat pasta, rice, canned tuna, and almond butter or peanut butter.

Compare Unit Prices

Use the unit price to compare similar products. This will help make sure you are getting the best deal. The unit price is the cost per a standard unit (often in ounces or pounds) and is usually found on a sticker on the shelf beneath the item.

Don't Shop Hungry

People who shop when they are hungry or stressed tend to not only buy more food, but also buy unhealthier food items.









Monday:

- ½ cup low-fat cottage cheese
- 10-15 whole wheat crackers with 1-2 tablespoons almond butter, peanut butter or sunflower seed butter
- Assorted vegetables (e.g. tomatoes, sweet peppers, carrots, broccoli, etc.)
- Tea, coffee or water*

Tuesday:

- ½ of a large or I mini whole wheat bagel
- I-2 tablespoons almond butter, peanut butter or sunflower seed butter
- Apple or banana
- 6 ounces low-fat, low-sugar yogurt
- Tea, coffee or water*

*Healthy Choice

If you think you'll need more food than listed here to fill you up, increase your portions of fruits and vegetables first!



Wednesday:

- 6 inch whole wheat tortilla with 2-3 ounces turkey, I ounce low-fat cheddar cheese, 2 tablespoons hummus and assorted vegetables (e.g. tomatoes, sweet peppers, carrots, broccoli, sugar snap peas, etc.)
- Grapes
- 8-10 whole wheat pita chips or multigrain tortilla chips
- Tea, coffee or water*

Thursday:

- Burrito made with ½ cup black beans, ½ cup brown rice, salsa and 2 tablespoons low-fat plain Greek yogurt on a 6 inch whole wheat tortilla (feel free to add any other vegetables you like on burritos like lettuce, onion, and peppers, too)
- Orange
- Tea, coffee or water*

Friday:

- 3-4 ounces grilled chicken on salad greens with assorted vegetables (e.g. tomatoes, sweet peppers, carrots, broccoli, sugar snap peas, etc.)
- I ounce feta cheese, and I-2 tablespoons oil-based or light creamy dressing
- 3 cups air-popped popcorn
- Tea. coffee or water*



Made possible with funding from the US Centers for Disease Control and Prevention (CDC), in partnership with MaineHealth, Picker Family Resource Center at Pen Bay Healthcare, and *Let's Go!*





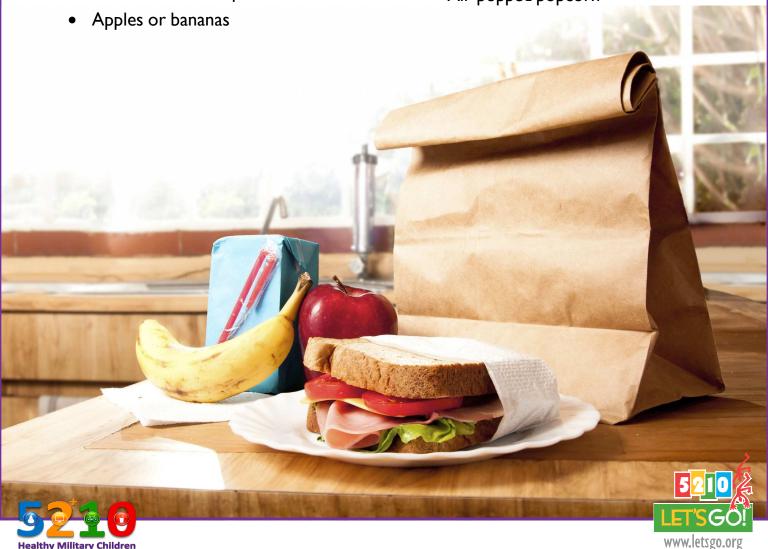




Shopping List:

- Lean deli turkey
- Raw vegetables of your preference (e.g. tomatoes, sweet peppers, carrots, broccoli, sugar snap peas, etc.)
- 6 inch whole wheat tortilla
- Hummus
- Grapes
- Low-fat cottage cheese
- Whole wheat crackers
- Whole wheat bagels (large or mini size)
- Almond butter or peanut butter

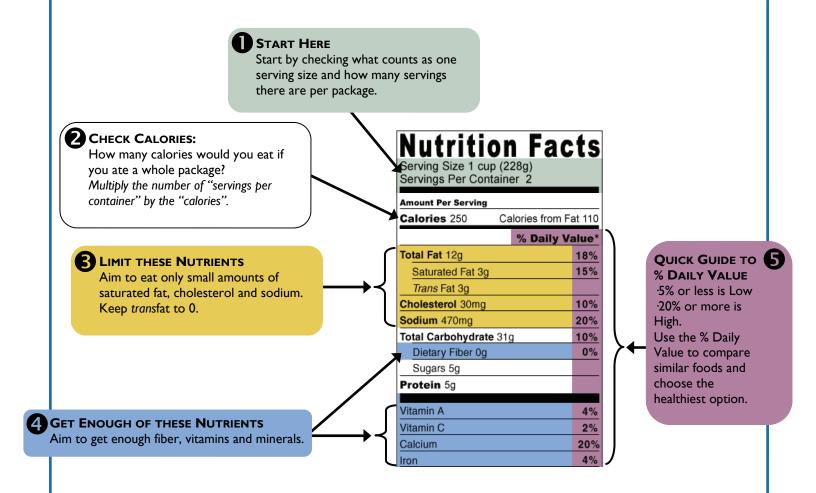
- Low-fat, low-sugar yogurt (look for 20 grams of sugar or less per serving)
- Brown rice
- Black beans
- Salsa
- Low-fat plain Greek yogurt
- Orange
- Grilled chicken
- Salad greens
- Feta cheese
- Oil-based or light creamy dressing
- Air-popped popcorn



Understanding Food Labels

What can I use the Nutrition Facts label for?

- Getting a general idea about what's in a food (i.e. how nutritious a food is).
- Figuring out what counts as one serving and how many calories are in each serving.
- ▶ Comparing two similar products to choose the healthiest option.



Watch out for these common misconceptions:

- Assuming sugar-free or fat-free means calorie-free; it's not true!
- ▶ Buying something because it says "organic", "natural", "multigrain" or has some other "healthy" claim. These statements do not mean a product is good for you!
- Assuming that because a package looks like it should only be one serving it actually is. Many beverage bottles and packages of chips, cookies and candy are actually 2 or 3 servings!

Reference

The U.S.Food and Drug Administration. (2000). How to understand and use the nutrition facts label. Retrieved from http://www.fda.gov/Food/IngredientsPackagingLabeling/LabelingNutrition/ucm274593.htm#twoparts





To have fruits and vegetables year-round, add frozen or canned.

For health:

- Just as good for you as fresh fruit and vegetables—nutrients are preserved in the canning and freezing process
- Choose fruit packed in their natural juice, not in syrup
- Choose canned vegetables that are salt free and season to taste

For savings:

■ Cost less than fresh fruit and vegetables

For convenience:

- Always in season
- Lots of choices
- Easily stored
- Already washed and cut—ready for your favorite recipe







Use Frozen and Canned by Adding:

day!

Vegetables to:

- Chili
- Soup or stews
- Stir fry

Tomatoes for sauce

Black beans & corn to spice up a Mexican dish

Chick peas, kidney or garbanzo beans to any salad

Fruits to:

- Smoothies
- Yogurt parfaits
- Plain yogurt
- Fruit salad
- Cereal
- Stir fry (pineapple)

Or use as a side dish!





Healthy Kids' Snacks

Snacks are a bigger part of kids' diets than in the past. Snacks can make positive or negative contributions to kids' diets — depending on the choices we offer. Next time your children say, "I'm hungry," or if you need to get them through to the next meal, reach for one of these healthy snacks.

Vegetables

Most of the snacks served to children should be fruits and vegetables, since most kids do not eat the recommended five to thirteen servings of fruits and vegetables each day. Popular vegetables that can be served raw with dip or salad dressing include:

- Broccoli
- Baby carrots
- Celery sticks
- Cucumber
- Peppers
- Snap peas
- Snow peas
- String beans
- Grape or cherry tomatoes
- Yellow summer squash
- Zucchini slices

Low Fat Dairy Foods

Dairy foods are a great source of calcium, which can help to build strong bones. However, dairy products also are the biggest sources of artery-clogging saturated fat in kids' diets. To protect children's bones and hearts, make sure all dairy foods are low fat or nonfat.

- Yogurt
- · Lower fat cheese
- Low fat pudding and frozen yogurt – Serve only as occasional treats because they are high in added sugars.

Fruit

Fruit is naturally sweet, so most kids love it. Fruit can be served whole, sliced, cut in half, cubed, or in wedges. Canned, frozen, and dried fruits often need little preparation.

- Apples
- Apricots
- Bananas
- Blackberries
- Blueberries
- Cantaloupe
- Cherries
- Grapefruit
- Grapes (red, green, or purple)
- Honeydew melon
- Kiwifruit
- Mandarin oranges
- Mangoes
- Nectarines
- Oranges
- Peaches
- Pears

(continued on other side)

For dips: Try salad dressings such as nonfat ranch or Thousand Island, store-bought light dips, bean dips, guacamole, hummus (which comes in dozens of flavors), salsa, or peanut butter.





Healthy Kids' Snacks (continued)

- Pineapple
- Plums
- Raspberries
- Strawberries
- Tangerines
- Watermelon

Other popular fruit forms:

- Applesauce (unsweetened), fruit cups, and canned fruit
- Dried fruit Try raisins, apricots, apples, cranberries, and fruit leathers with little or no added sugars.
- · Frozen fruit
- Fruit salad Get kids to help make a fruit salad.
- Popsicles Look for popsicles made from 100% fruit juice with no added caloric sweeteners.

Healthy Grains

Try to serve mostly whole grains, which provide more fiber, vitamins, and minerals than refined grains.

- Whole wheat English muffins, pita, or tortillas
- Breakfast cereal Either dry or with low fat milk, whole grain cereals like Cheerios, Grape-Nuts, Raisin Bran, Frosted Mini-Wheats, and Wheaties make good snacks. Look for cereals with no more than about 8 grams of sugar per serving.
- Whole grain crackers like Triscuits
- · Rice cakes
- Popcorn
- · Baked tortilla chips
- Granola and cereal bars Look for whole grain granola bars that are low in fat and sugars.
- Pretzels, breadsticks, and flatbreads – These low fat items can be offered as snacks now and then.
 However, most of these snacks are not whole grain and most pretzels are high in salt.

Important!

Water should be the main drink served to kids at snack times. Water satisfies thirst and does not have sugar or calories. (Plus, it is low cost!) If kids are used to getting sweetened beverages at snack times, it may take a little time for them to get used to drinking water.







For more tips, go to www.cspinet.org/nutritionpolicy





Healthy Eating in a Hurry



- Use the slow cooker. Use time to your advantage! It only takes a few minutes to assemble most slow cooker recipes. The meal will cook during the day and be ready at dinnertime.
- Plan ahead for the week's meals. Buy and prep meals once a week on your least busy day. This allows you to portion foods and save money by buying in bulk.
- Make a shopping list that includes everything needed for the upcoming week. This ensures you have everything on hand when it is time to get cooking, and will eliminate trips to the grocery store mid-week.



- Avoid fast food restaurants. If you know you're going out, look at the menu options that are marked healthier choices, smaller sandwiches, salads, and limit fried foods.
- Meep the pantry well stocked with healthy choices for the week.
- Ohop fruits and veggies ahead of time and serve with low fat dressings or dips.
- **Cook in large batches and freeze.** Cook more than needed for one meal and freeze the leftovers in single serving size containers.
- **Stash snacks.** Keep a supply of healthy snacks in your desk drawer, in the car, and at work.
- When time is tight, **consider pre-cooked protein options** like a rotisserie chicken, canned tuna or chicken, or pre-cooked shrimp. For a quicker cooking option, try fresh fish filets that are on the thinner side (like tilapia) and vegetarian protein foods like tofu and canned beans.



Website sources:

http://www.diabetes.org/mfa-recipes/tips/2014-09/15-ways-to-eat-healthy-in-a.html

 $\frac{http://consumer.healthday.com/encyclopedia/food-and-nutrition-21/food-and-nutrition-news-316/eating-healthy-in-a-hurry-648424.html}{}$

http://www.mankatofreepress.com/news/health and fitness/speaking-of-health-healthy-eating-even-when-you-re-in/article edf5d7cc-e637-11e4-bb35-e339ff29a252.html

