

Standout Story: Whole Grains

February 18, 2020 1:30 PM – 2:00 PM PROFESSIONAL STANDARDS LEARNING CODES: 1310





Whole grains vs. enriched grains

Recommended vs. actual whole grain intake

Successful strategies for serving whole grains in schools



Definitions

Whole Grain

A grain or grain product containing the original bran, germ, and endosperm

Whole Grain-Rich

A grain product containing at least 51% whole grains (50% for School Nutrition Programs)

Refined Grain A gong

A grain that has been processed to remove one or more of the three key parts (bran, germ, or endosperm)

Enriched Grain A refined grain with nutrients added back into the product through processing to compensate for those lost in removing the bran, germ, or endosperm



Whole Grain Diagram

Germ

B vitamins, vitamin E, antioxidants, healthy fats Bran

Antioxidants, B vitamins, fiber

Endosperm

Carbohydrates, some proteins



Refined Grain Diagram

Endosperm

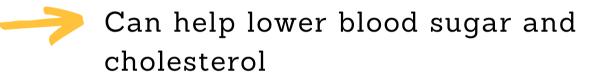
Carbohydrates, some proteins



Why does this matter?



Nutrients







Promotes proper digestion

Most Americans get less than half of the recommended daily amount of fiber

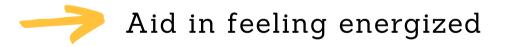


Nutrients



Support the body's ability to produce energy

B Vitamins \longrightarrow Fight infection and help in creation of blood cells





Nutrients

🔶 Antioxidant





Supports a strong immune system



Involved in formation of red blood cells





What does the research say about the benefits of whole grains?

Linked to decreased risk of heart disease

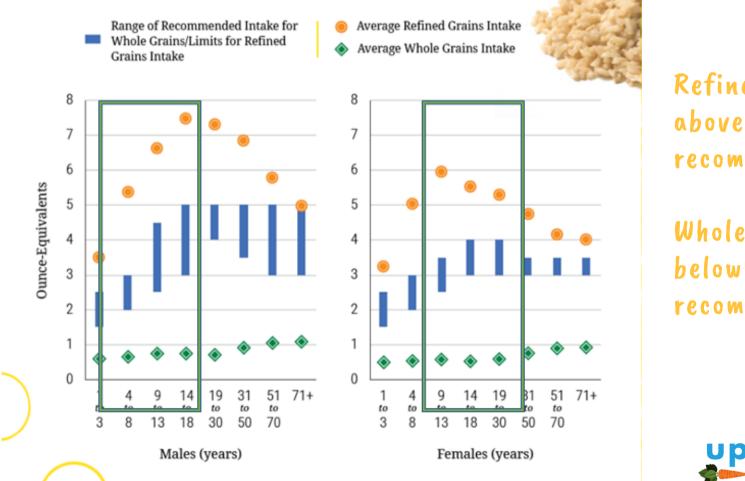
Linked to decreased risk of Type 2 Diabetes

Linked to decreased risk of Crohn's disease and ulcerative colitis

Whole Grains. (2018, September 25). Retrieved April 8, 2019, from https://www.hsph.harvard.edu/nutritionsource/what-should-you-eat/whole-grains



Dietary Guidelines for Americans (DGAs)



Refined grain intake above the recommendation

Whole grain intake below the recommendation



Dietary Guidelines for Americans (DGAs)

Recommended Daily Whole Grain Intake Adolescent boys: 3-4 ounce equivalents Adolescent girls: 3 ounce equivalents

Trends in Whole Grain Consumption by Adolescents				
	2005-2006	2007-2008	2009-2010	2011-2012
Low Income	0.5 oz/day	0.5 oz/day	0.6 oz/day	0.5 oz/day
High Income	0.6 oz/day	0.6 oz/day	0.7 oz/day	1.0 oz/day

Tester JM, Keung CW, Leak TM, Laraia BA. Recent Uptrend in Whole-Grain Intake Is Absent for Low-Income Adolescents, National Health and Nutrition Examination Survey, 2005-2012. Prev Chronic Disease 2017; 14:160540. DOI: https://doi.org/10.5888/pcd14.160540



Dietary Guidelines for Americans (DGAs)

Recommend 50% of all grains consumed be whole grains



We don't know what individual children eat outside of school, but based on national data, it is likely most children are eating refined or enriched grains away from school.



Side-by-Side Comparison

Whole Grain Pasta 2 oz Serving

- Calories: 180
- Fat: 1.5 g
- Saturated Fat: 0 g
- Sodium: 0 g
- Potassium: 274 mg
- Total Carbs: 39 g

- Dietary Fiber: 6 g
- Sugars: 1 g
- Protein: 8 g
- Iron: 10% DV
- Riboflavin: 25% DV
- Niacin: 45% DV
 - Folate: 20% DV

Ingredients: Whole grain durum wheat flour

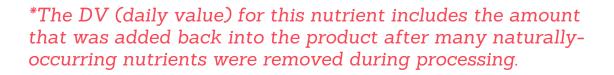
White Pasta 2 oz Serving

- Calories: 200
- Fat: 1 g
- Saturated Fat: 0 g
- Sodium: 0 g
- Potassium: 118 mg
- Total Carbs: 42 g

- Dietary Fiber: 3 g
- Sugars: 1 g
- Protein: 7 g
- Iron: 10% DV*
- Riboflavin: 15% DV*
- Niacin: 30%* DV
- Folate: 50% DV*

Ingredients: Semolina (wheat), durum wheat flour

Vitamins/ Vitamin B3 (Niacin), Iron Minerals: (Ferrous Sulfate), Vitamin B1 (Thiamine Mononitrate), Vitamin B2 (Riboflavin), Folic Acid







Whole grains are a nutrient-dense food with many health benefits, but most children do not eat the recommended amount of whole grains daily.

Nutrient-dense foods and beverages are **high** in beneficial nutrients and relatively **ow** in calories, added sugars and solid fats.



Whole Grain Pledge



ADE is inviting SFAs who desire to continue serving all whole grain-rich items in lieu of flexibilities to sign the Whole Grain Pledge.

Those who sign the pledge will receive stickers in the mail and be recognized on the ADE website.



Whole Grain Pledge







Whole Grain Pledge

Ready to take the pledge? Sign up here!

https://www.surveymonkey.com/r/WholeGrainRichPledge



Standout Story: Queen Creek USD



Standout Story: QCUSD

Dustin Walker, CDM, CFPP Director of Child Nutrition Queen Creek Unified School District





About QCUSD

- 11 sites
- PreK-12
- Enrollment: ~10,000
- 19% Free/Reduced

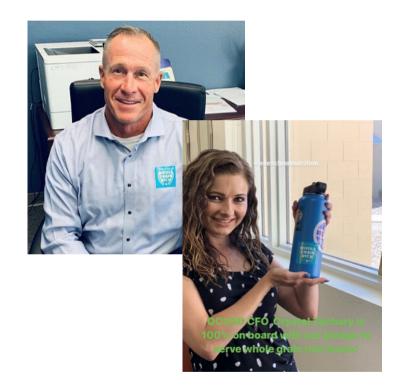




About QCUSD

Why QCUSD continues to serve 100% whole grainrich items and signed the Whole Grain Pledge:

- Our motto each day is that we are here to grow healthy students.
- Students were used to whole grains so it did not seem valuable to us to switch to non-whole grain-rich products.





Taste Tests

WG Mac 'n' Cheese



- Previous product didn't hold well and had unpleasant texture
- Sampled 3 brands of Mac 'n' Cheese with students
- Students voted for one that was a blend of whole grain and white flour and had a softer texture



Use batch cooking for heat-and-serve products



- Whole grain items can develop a chewy texture when sitting too long
- Batch cooking helps to maintain quality throughout meal service



Cooking with long grain brown rice



- Long grain brown rice has a wonderful flavor when cooked right
- Steam the rice with plenty of water, DO NOT STIR to prevent stickiness
- Does take a little longer to cook



Using USDA Foods WG Tortillas



- This product is great when cooked and prepared properly
- Example: when making breakfast burritos, we first wrap each burrito with foil and cook at a low temperature to avoid drying out



House-made WG muffins

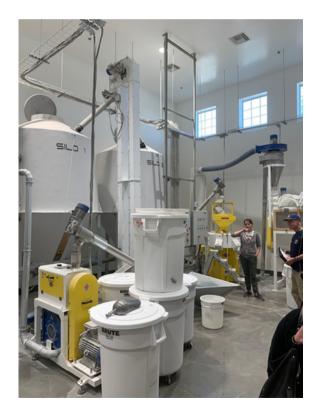


- Experimenting with different flavors
- Moisture is key when using WG flour
 - Pumpkin
 - Banana chocolate chip



Local Partnerships

Make connections with local vendors, chefs, restaurants, etc.



- Source WG-rich flour from Hayden Flour Mill
- Local chef to provide hands-on training on house-made pizza dough



Thank You!

Dustin Walker, CDM, CFPP **Director of Child Nutrition** Queen Creek Unified School District

(480) 987-5983 dwalker2@qcusd.org Follow us on Facebook @qcusdnutrition and Instagram <a>@qcusd_child_nutrition



gcusd child nutrition · Following ...

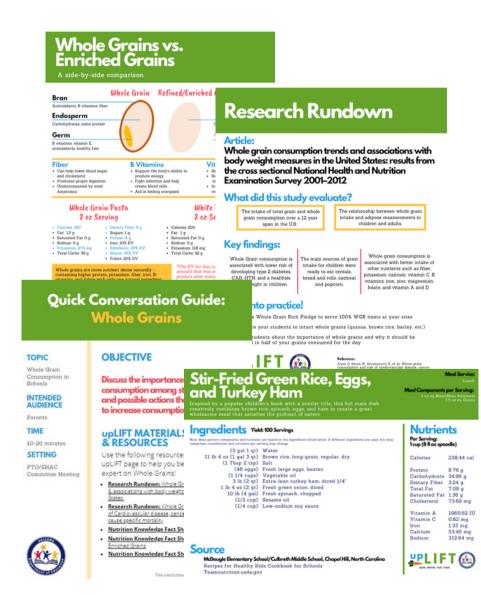
gcusd_child_nutrition There were a lot of empty bowls and full bellies as we served the students Chicken Alfredo!

13w

 \square Liked by foxc6nutrition and 23 others NOVEMBER 7, 2019



Resources



- LEARN: Nutrition Knowledge Fact Sheets & Research Rundowns
- INSPIRE: Whole Grain Pledge signers and link to sign up
- FEED: Whole grain recipes QCUSD Pumpkin Muffin!
- TEACH: Whole Grain Quick Conversation Guide



Next Steps

Put it into action!

- Utilize *up*LIFT resources to become comfortable with your knowledge of the importance of whole grains and share it with your stakeholders
- Brainstorm ways you can make whole grains more acceptable to students
- Try a new whole grain recipe
- Explore the option of developing local partnerships to support you with serving whole grains
- When you are ready, sign the Whole Grain Pledge!



Next Steps

Join us next month!

#PlanYourBrand: Branding Your School Nutrition Programs

March 17, 2020 1:30pm - 2:00pm

In today's society, branding is everything! Your brand represents the perception of your program, including your reputation and values. A strong brand can bolster your program by increasing participation and providing direction for the future. In this webinar, we will discuss the concept of branding and how this can be successfully implemented in the school nutrition setting.



Remember!



LEAs who attend or watch recordings for every upLIFT webinar from August until March will automatically be entered into a contest to receive a FREE culinary training for their staff from the Blue Watermelon Project.

*Submission of the online survey following completion of each recorded webinar is required in order to count these toward the contest.



Who Will Win?



FOOD FOR THOUGHT:

EXPLORE THE POTENTIAL OF ARIZONA SCHOOL MEALS



APRIL 7, 2020 DESERT WILLOW CONFERENCE CENTER 4340 E Cotton Center Blvd Phoenix, AZ 85040



The winner of the contest will be announced at the April 7th Professional Development Event Food for Thought: Explore the Potential of Arizona School Meals!

A second culinary training will be raffled off at this event, and you must be present to win!

Register now in EMS!





Thank you!

Any questions? Please type them into the chat bar now.

If you are attending the live webinar, you will receive a link to complete the survey in EMS. After you complete the survey you can print a certificate of completion.

If you are watching the recorded webinar, you can access the survey link and certificate of completion at the end of the webinar slides.



Question #1

Match the following terms to the correct definition.

Refined GrainA grain or grain product containing the
original bran, germ, and endospermWhole GrainA grain product containing at least 51%
whole grains (50% for School Nutrition Programs)Enriched GrainA grain that has been processed to remove
one or more of the three key parts (bran,
germ, or endosperm)Whole Grain-RichA refined grain with nutrients added back
into the product through processing to

compensate for those lost in removing the

bran, germ, or endosperm

LEARN. INSPIRE. FEED. TEACH. Webinar Series

Question #1

Match the following terms to the correct definition.

Refined Grain

Whole Grain

Enriched Grain

Whole Grain-Rich

• A grain or grain product containing the original bran, germ, and endosperm

A grain product containing at least 51% whole grains (50% for School Nutrition Programs)

A grain that has been processed to remove one or more of the three key parts (bran, germ, or endosperm)

A refined grain with nutrients added back into the product through processing to compensate for those lost in removing the bran, germ, or endosperm



Question #2

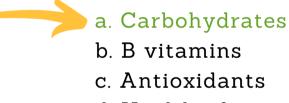
Which of the following nutrients is retained in a refined grain?

- a. Carbohydrates
- b. B vitamins
- c. Antioxidants
- d. Healthy fats



Question #2

Which of the following nutrients is retained in a refined grain?



d. Healthy fats



Question #3

When cooking with whole grain flour, what is important to have for good texture?

- a. Salt
- b. Sugar
- c. Moisture
- d. Acid



Question #3

When cooking with whole grain flour, what is important to have for good texture?

- a. Salt b. Sugar c. Moisture
 - d. Acid



Congratulations!

You have completed the Recorded Webinar: Standout Story: Whole Grains

To request a certificate, please go to the next slide.

In order to count this training toward your Professional Standards training hours, the training content must align with your job duties.

Information to include when documenting this training for Professional Standards:

- Training Title: Recorded Webinar: Standout Story: Whole Grains
- Key Area: 1000-Nutrition
- Learning Codes: 1110
- Length: 0.5 hour

Please Note:

• Attendees must document the amount of training hours indicated regardless of the amount of time it takes to complete it.



Congratulations!

Requesting a Training Certificate

Please click on the link below to complete a brief survey about this webinar. Once the survey is complete, you will be able to print your certificate of completion from Survey Monkey. *This will not appear in your Event Management System (EMS) Account.

https://www.surveymonkey.com/r/upliftrecordedwebinar

The information below is for your reference when completing the survey:

- Training Title: Recorded Webinar: Standout Story: Whole Grains
- Learning Codes: 1110

