

Dysphagia Guidelines: What's New & Best Practices





Meet the Speaker Panel

Featured Speaker



Featured Speaker



Debra Zwiefelhofer, RDN, LD

Owner/President Nutrition Affairs, LLC



Melissa Holte Associate Channel Manager Healthcare General Mills, Inc.



Gilles Stassart, CEC, CCA Corporate Chef Convenience and Foodservice General Mills, Inc.



Part I

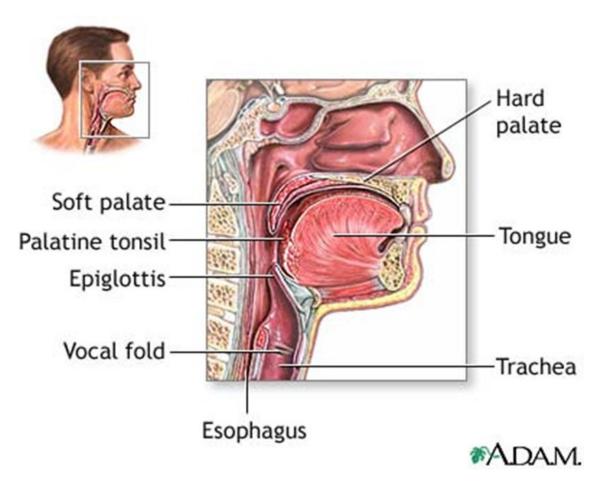
- Background of dysphagia
- The dysphagia diet evolution

Part II

 Culinary demonstrations of dysphagia recipes

Dysphagia Defined

Dysphagia is defined as difficulty moving food, liquid, saliva or medication from the mouth to the stomach.



Dysphagia Overview

- Secondary to a variety of medical conditions
- May be present in any age group
- May be acute or present slowly
- May be short-term or chronic

Estimated to impact 35% of people over 75 years

Nutrition Consequences

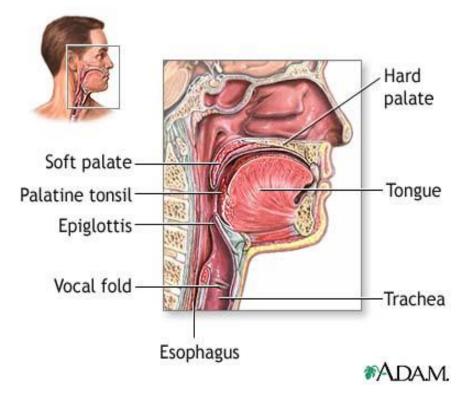
- Dehydration
 - Impacts ~30%
- Malnutrition
 - ~49% malnourished
- Aspiration
 - 25-30% "silent aspirators"
 - Pneumonia
- Asphyxiation

Social/Emotional Consequences

- 1999 Pan-European Survey of Elders with Dysphagia¹
 - 55% unable to eat select foods
 - 50% ate less than normal
 - 30% left meals hungry
 - 66% bothered by swallowing problems
 - 48% no longer enjoy eating

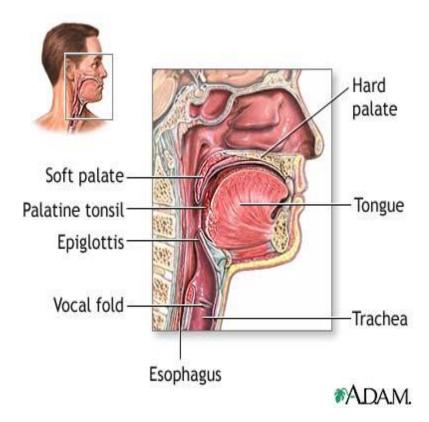
Phases of Swallowing

- Preparatory
- Oral
- Pharyngeal
- Esophageal



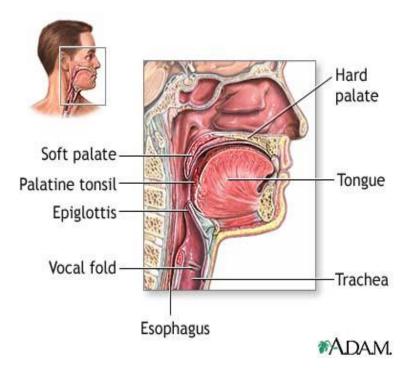
Oral Phase

- Food in mouth is combined with saliva
- Chewing as needed
- Bolus formed
- Tongue pushes food to rear of oral cavity
- Challenges
 - Weakened muscles of lips, tongue movement
 - Poor tongue strength and motility



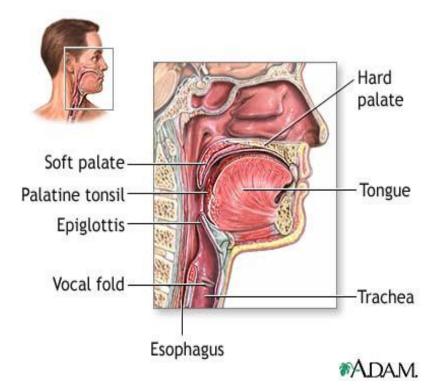
Pharyngeal Phase

- Involuntary
- Bolus moves between tonsillar pillars
- Epiglottis and vocal folds close off airway
- Upper esophageal sphincter is opened
- Difficulties noted as:
 - Gagging, choking, nasopharyngeal regurgitation



Esophageal Phase

- Involuntary
- Upper esophageal sphincter is relaxed
- Peristaltic wave moves bolus down the esophagus to the stomach
- Difficulties:
 - Mechanical obstruction
 - Impaired peristalsis



The Dysphagia Diet Evolution

Food Texture & Liquid Consistency Modifications

Objective: Minimize risk for aspiration and choking

Goal: Maximize normal eating without compromising nutrition or hydration status

Pre "Dysphagia Diet"

- Before dysphagia was a "diet"
 - Foods were served pureed/liquidized
 - Nutrients were questionable
 - Or, baby food for all
 - Foods/liquids were thickened with other foods
 - Wonder what that tasted like?
 - Little thought was given to visual look of meals

Poll Question

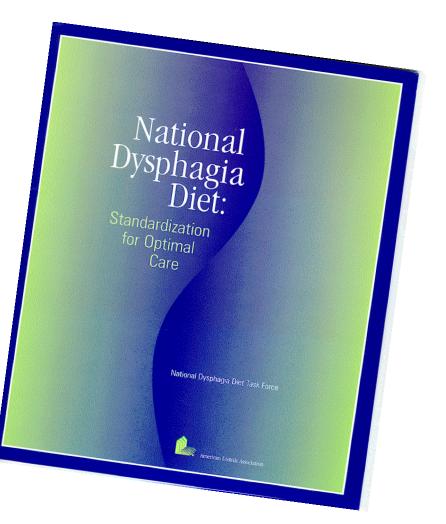
What does your facility currently use as guidance for dysphagia menus?

- a. NDD (National Dysphagia Diet)
- b. IDDSI (Int. Dysphagia Diet Stdzn Ini.)
- c. Other
- d. None

National Dysphagia Diet

Introduced in 2002

- Multi-level diet structure
- Defined food and fluid consistency standards
- Offered food preparation tips



National Dysphagia Diet

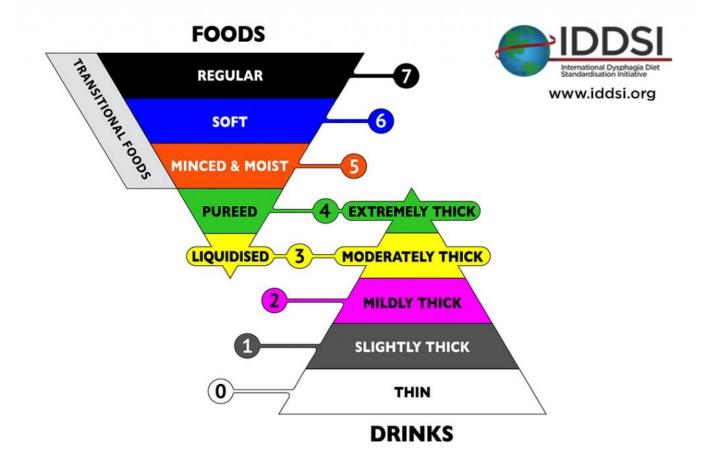
- Terminology guidelines for solid foods:
 - Level 1 Dysphagia Pureed
 - Smooth, cohesive, pudding-like, no chewing required
 - Level 2 Dysphagia Mechanically Altered
 - Moist, soft foods with some cohesion, minimal chewing required
 - Level 3 Dysphagia Advanced
 - Soft-solid foods, nearly a regular diet, requires more chewing and manipulation
 - Level 4 Regular Diet

National Dysphagia Diet Viscosity & Liquids

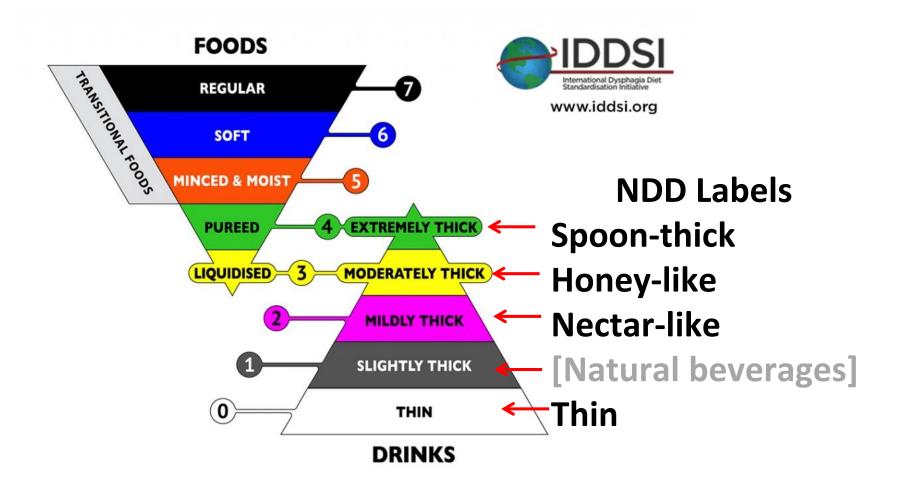
Classified Viscosity	Description	Centipoise (cP)
Thin	Think water	1-50
Nectar-like	Easily pourable and similar to a thick cream soup	51-350
Honey-like	Less pourable, drizzles from a cup	351-1750
Spoon-thick (pudding)	Holds shape, not pourable, eaten with a spoon	>1750

International Dysphagia Diet Standardization Initiative

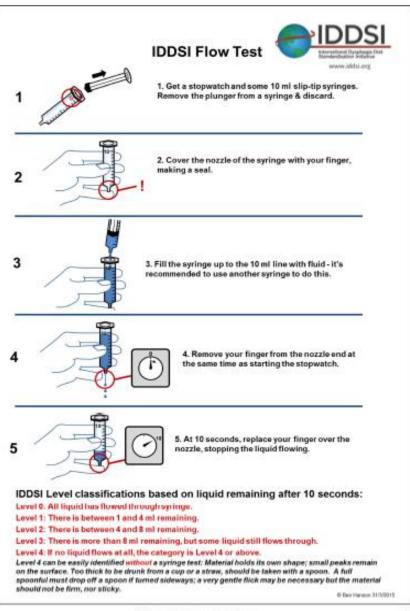
Changing the way we look at consistencies

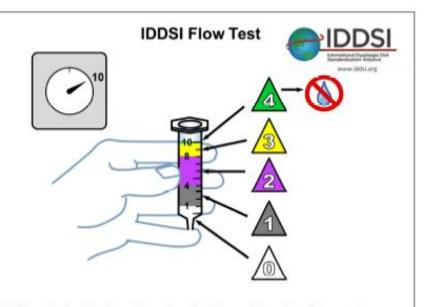


Liquids for Dysphagia



IDDSI Flow Test





IDDSI Level classifications based on liquid remaining after 10 seconds:

Level 0: All liquid has flowed through syringe.

- Level 1: There is between 1 and 4 ml remaining.
- Level 2: There is between 4 and 8 ml remaining.
- Level 3: There is more than 8 ml remaining, but some liquid still flows through.

Level 4: If no liquid flows at all, the category is Level 4 or above.

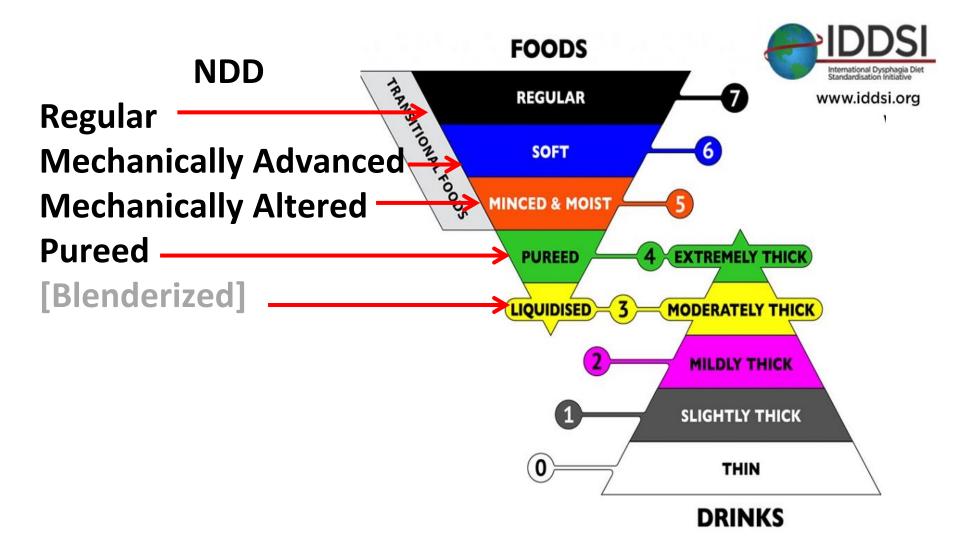
Level 4 can also be easily identified without a syringe test: Material holds its own shape; small peaks remain on the surface. Too thick to be drunk from a cup or a straw, should be taken with a spoon. A full spoonful must drop off a spoon if turned sideways; a very gentle flick may be necessary but the material should not be firm, nor sticky.

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Syringe video clip

Foods



Poll Question

What is your biggest challenge when serving dysphagia patients?

- a. Lack of ready-to-eat products
- b. Lack of recipe ideas
- c. Lack of labor to prepare custom meals
- d. All of the above

Adjusting Menus the IDDSI Way

New "tools of the trade"

- Rule with millimeter increments
 - 4 mm or less for adult level 5 minced and moist
 - 15 mm or less for adult level 6 soft
- Fork with 4 mm between tines

Poll Question

Are you offering yogurt on your dysphagia menu?

a. Yes

b. No

Regular Diet to Dysphagia Recipe Modifications to Consider

- 1. Consider recipes that can be "regular diet" *after* dysphagia modification
- 2. Use ground meat instead of diced, chopped, or chunked
- 3. Use minced veg/fruit vs. diced or chopped
- 4. Change the preparation method
- 5. Omit "the one" ingredient; replace or not
- 6. Add extra moisture with sauces
- 7. Hold the crunchy topping

Gilles recipe examples video

Tip: Omit the Crunchy Topping

Maple Cupcakes









Mini Salted Caramel Cupcakes





Tip: Use Ground Instead of Diced or Chunked Meat



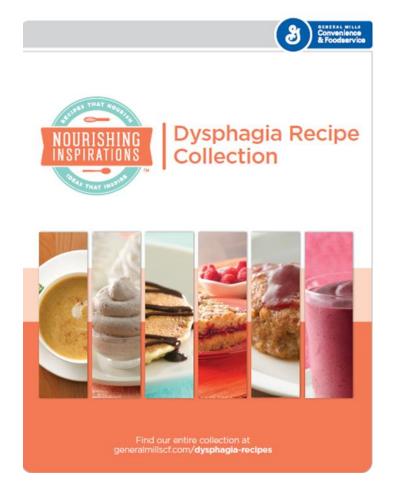
Corn Muffin Breakfast Squares

Tip: Consider Recipes that Can Be "Regular Diet"



Gluten-Free Butternut Squash Soup

Dysphagia Recipe Ideas On GeneralMillsCF.com



https://www.generalmillscf.com/dysphagia-recipes



Nourishing Inspirations™: Dysphagia Recipe Collection



Easy [Dysphagia] Menu Reminders

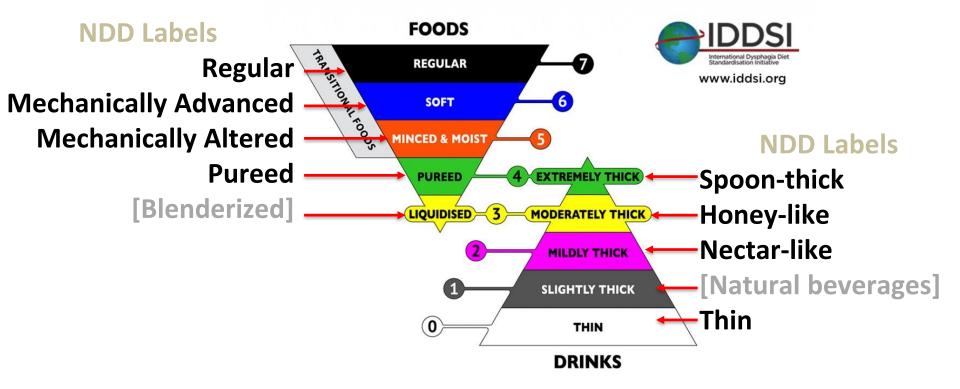
- Shop for foods/recipes that require no modification:
 Pudding, yogurts, hot cereals, smoothies
- Consider foods recipes that can be "regular diet" after dysphagia modification

Pureed soups, pureed fruits, desserts

- Alter one or two ingredients to stretch a recipe
 - Mince or grind instead of chop, add extra sauces; remove inappropriate garnishes

Aligning NDD to IDDSI

Many same recipes; Better self-check tools; Different naming conventions = Not Difficult!



Helpful to Have

Resources

- www.IDDSI.org
- Food service distributor

Kitchen Tools

- 10 mL Syringe (see IDDSI materials for syringe specifications)
- Pre-checked Fork with 4mm spaced tines
- Plastic (washable) ruler with millimeter increments



- Dysphagia is a health concern especially for elderly
 - that is not recognized as widely as it should be.
- Treatment involves food texture and liquid consistency modifications.
- For patient safety and quality of life it is well worth the effort to give more attention to Dysphagia diets.
- The IDDSI is the new best practice resource



Questions?





Stay Connected



General Mills Bell Institute of Health and Nutrition Website: bellinstitute.com Email: bell.institute@genmills.com Twitter: @BellInstitute LinkedIn: General Mills Bell Institute of Health and Nutrition



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