Nutritional Barriers: The Older Adult Experience

Introduction

Older adults may face many barriers to nutritional wellbeing, requiring adequate resources such as social support or high income to eliminate these barriers. Varying degrees of poor nutrition including, low energy intake, over consumption of fats, sugar or sodium or vitamin and nutrient deficiencies can occur if these barriers are not properly addressed. In order to understand how to combat these issues we must consider the factors effecting the food and nutrition choices within this population.

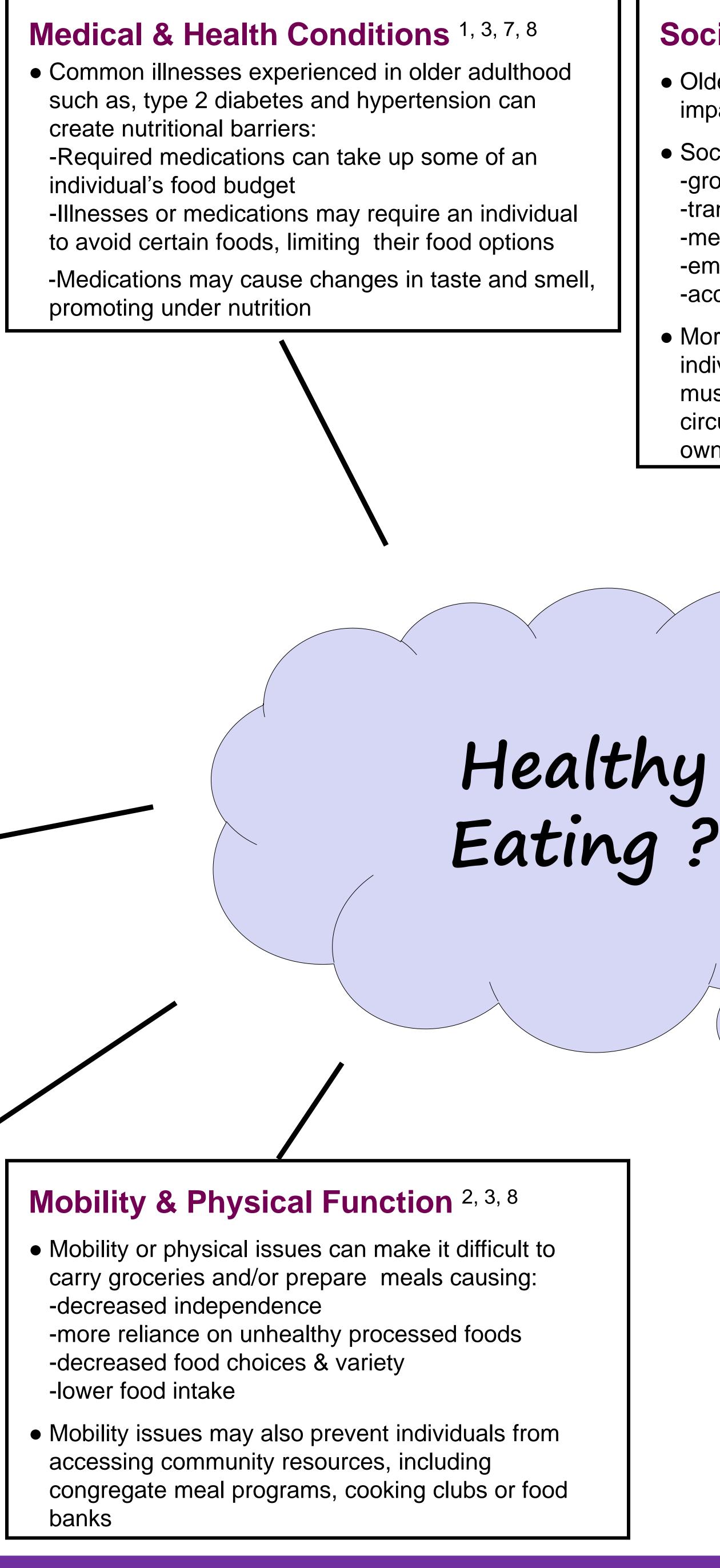
Income,1,2,3,4, 5

- Higher income levels increase food choice and access
- An important asset to overcome other nutritional barriers (ie. buying prepared meals, taxi fare to grocery store)
- Low-income individuals may find highly processed and less healthful food more affordable
- Income can effects one's ability to access transportation to the grocery store, limiting the availability of food
- Other expenses considered to be more essential can effect an individual's food and grocery budget (ie. prescriptions meds, med-alert devices)
- In Canada senior women are much more likely to be low-income in comparison to men (6.0% vs. 3.3%) putting them at increased nutritional risk

Physical Environment ^{1, 3, 6}

- Food deserts, or geographical areas with limited or no access to affordable healthful food can limit food choice, especially for those without transportation
- Finding culturally appropriate foods (ie. Kosher foods, or exotic ingredients) may be difficult in many western grocery stores
- Grocery stores can be large and difficult to walk around, making them less viable for individuals with mobility issues
- Rural older adult may have less access to community programs to provide meal assistance
- Within the home there must be a suitable area to prepare meals (ie.kitchen), which is equipped with the appropriate utensils and appliances (ie. fridge, cookware)

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Social Support ^{1,3,4}

• Older adults who live alone generally cook less, impacting both meal quantity and quality

• Social supports (ie. friends, family)can assist with: -grocery shopping

- -transportation to grocery stores
- -meal preparation
- -emotional support
- -accessing community services

• More social supports means more resources for an individual to utilize, without these supports they must be prepared to deal with unexpected circumstances (ie. new health condition) on there own

- sodium)

- choices

Conclusion



Knowledge & Skills^{1,4,9}

• The food environment is becoming complicate to navigate, requiring increased knowledge when

choosing foods:

-nutrition claims on food labels (ie.low fat, reduced

-many forms of the same food (ie.canned, frozen, fresh, pre-cooked, raw)

-food advertisements EVERWHERE

• Limited cooking skills can translate into limited food options and more reliance on convenience and prepared foods

• Ability to alter cooking habits in order to adapt to new health conditions is important in older adulthood

 Nutrition knowledge and skills can protect against under nutrition by increasing food choice and variety

Oral Health¹⁰

• Proper oral hygiene is important to prevent oral disorders and tooth loss across the entire lifecycle

• Tooth loss or denture use can decrease intake levels of whole grains, fruits and vegetables

• Full dentures may cause chewing difficulties, requiring food to be cut into smaller pieces which may limit food

• Changes in body weight can affect the fit of the dentures, requiring periodic check up with a dental professional

• Older adults may experience multiple nutritional barriers. These barriers effect the quality and quantity of food consumed, impacting nutritional status.

• Implications:

 Adequate funding needs to be allocated to community programs and services which provide nutritious food to older s adults(ie. meal delivery) or help build essential food & nutrition skills (ie. cooking clubs).

• Public transit needs to be accessible in urban centres with appropriate routes and schedules to access community resources and grocery stores.

• Health and nutrition professionals need to consider these barriers when working with older adults and connect individuals facing barriers to appropriate community programs or services.

- 1.
- 2. 1017-1023.
- 3.
- 4.
- 5.
- 6. http://www.foodispower.org/food-deserts/
- 7.
- 8.
- 9.

References

Arcury, T. A., Quandt, S. A., Bell, R. A., McDonald, J., & Vitolins, M. Z. (1998). Barriers to nutritional well-being for rural elders: Community experts' perceptions. The Gerontologist, 38(4), 490-498. Burns, C., Bentley, R., Thornton, L., & Kavanagh, A. (2011). Reduced food access due to a lack of money, inability to lift and lack of access to a car for food shopping: a multilevel study in Melbourne, Victoria. *Public health nutrition*, 14(06),

Green-LaPierre, R. J., Williams, P. L., Glanville, N. T., Norris, D., Hunter, H. C., & Watt, C. G. (2012). Learning from "knocks in life": Food insecurity among low-income lone senior women. Journal of aging research, 2012. Vesnaver, E., Keller, H. H., Payette, H., & Shatenstein, B. (2012). Dietary resilience as described by older communitydwelling adults from the NuAge study "If there is a will-there is a way!". Appetite, 58(2), 730-738. Collin, C., & Jensen, H. (2009). A Statistical Profile of Poverty in Canada (PRB 09-17). Retrieved from Social Affairs Division website: http://www.lop.parl.gc.ca/content/lop/researchpublications/prb0917-e.htm#a8 Food Empowerment Project. (n.d.). Food Deserts | Food Empowerment Project. Retrieved from

Keller, H. (2013). Chronic Diseases and Aging. In Aging Well with Nutrition (2nd ed., pp. 97-138). Locher, J. L., Ritchie, C. S., Roth, D. L., Sen, B., Vickers, K. S., & Vailas, L. I. (2009). Food choice among homebound older adults: motivations and perceived barriers. JNHA-The Journal of Nutrition, Health and Aging, 13(8), 659-664. Health Canada. (2010). Nutrition Claims. Retrieved from http://www.hc-sc.gc.ca/fn-an/labeletiquet/nutrition/cons/claims-reclam/index-eng.php

10. , L. K., Escott-Stump, S., & Raymond, J. L. (2012). Nutrition for Oral and Dental Health. In Krause's food and the Nutrition Care Process (13th ed., pp. 547-559). Elsevier Saunders.