

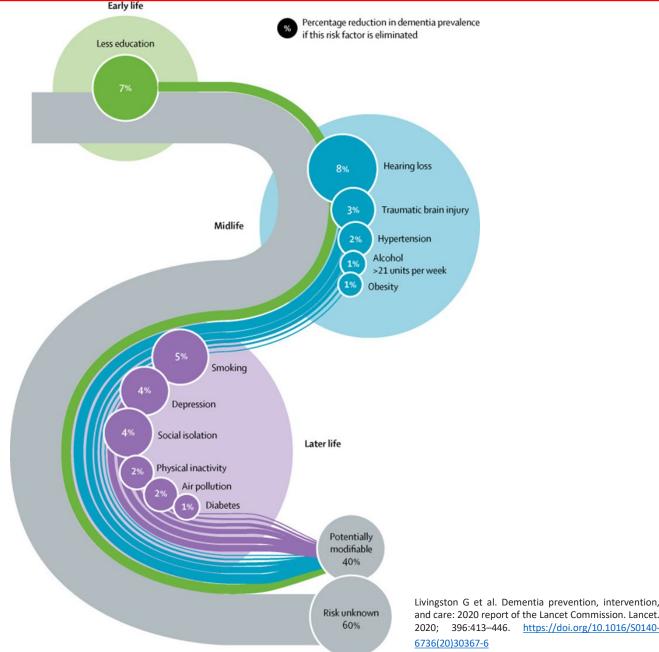
Food for thought: How does diet impact brain health?

Dr Emma Lea, Dr Kathleen Doherty, Prof. Anna King, Dr Edward Hill, Dr Andrew Phipps



Dementia risk factors

- Age is the biggest risk factor for dementia
- Over our life course other factors contribute to dementia risk
- The risk of dementia could be reduced by up to 40% if we attend to "modifiable" risks





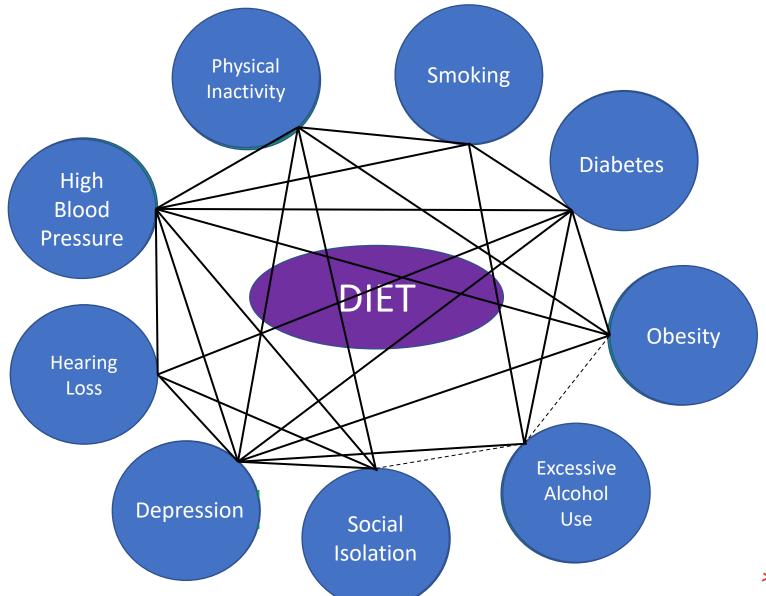
and care: 2020 report of the Lancet Commission, Lancet. 2020; 396:413-446. https://doi.org/10.1016/S0140-



Source: Livingston et al. A, et al. Dementia prevention, intervention, and care: 2020 report of the Lancet Commission

Many of the modifiable risk factors for dementia are

interrelated





What are the healthy eating guidelines for

Australians?

To stay healthy, you should drink plenty of water and eat foods from the 5 food groups every day.

- Vegetables and legumes or beans at least 5 serves a day (1 serve = ½ cup)
- Grain (cereal) foods, mostly wholegrain and = 1 slice of bread)





www.eatferhealth.gov.au

Australian Guide to Healthy Eating

What is a typical Australian diet?

- 56% of **women** meet the fruit intake guideline
- Only 1 in 9 (11%) meet the vegetable intake
- 1 in 13 (7.7%) meet both
- 47% of **men** meet the fruit intake guideline
- Only 1 in 25 (4.1%) meet the vegetable intake guideline
- Less than 1 in 30 (3%) meet both
- Older men were more likely to meet the guideline than younger men
- https://www.aihw.gov.au/reports/men-women/femalehealth/contents/lifestyle-risk-factors/diet
- https://www.aihw.gov.au/reports/men-women/malehealth/contents/lifestyle-and-risk-factors/diet
- https://www.csiro.au/en/news/News-releases/2021/New-CSIRO-tool-tocombat-Australia-1-diet-issue







The approximate number of daily kilojoules from discretionary



5 serves equates to about one of these:



Easter eggs











bottles wine

3 bottles of soft drink

⅓tub of ice cream

Why eat less discretionary foods?



biscuits

th oss





Improves your health risk

Most popular discretionary foods and drinks

# Category			%of intake*
1		Alcohol	20.8%
2	*	Cakes & Biscuits	18.7%
3		Sugary Drinks	12.2%
4		Savoury Pastries	9.0%
5	2	Takeaway	8.1%
6	۱	Processed Meats	7.2%
7	•	Chocolate & Lollies	6.8%
8	48	Fried Potato	5.4%
9		Salty Snacks	5.2%
10	\$	Ice Cream	5.0%
11	do.	Snack Bars	1.6%

Top ways for reducing discretionary food intake



Eliminate

26% reduction in total energy (kl)



Halve amount

17% reduction in total energy (kJ)



Cut back (eat less often)

U6-18% reduction in total energy (kJ)

Discover if you are eating too much discretionary food and how to cut back with the all new Junk Food Analyser at the CSIRO Total Wellbeing Diet

junkfoodanalyser.com

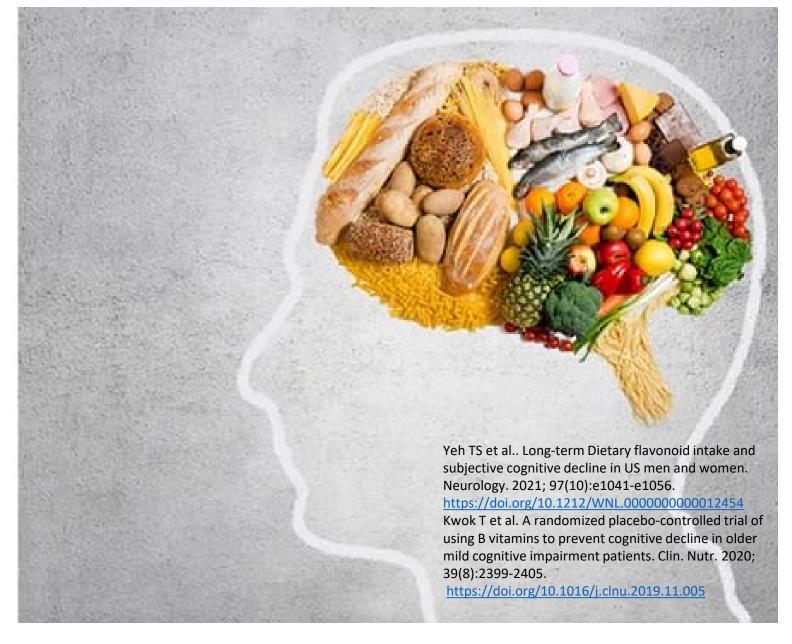
*Condiments and fats have been excluded from this calculation

References James-Martin, G.; Baird, DL.; Hendrie, GA.; Strategies to Reduce Consumption of Unhealthy Foods and Beverages: Scenario Modelling to Estimate the Impact on the Australian Population's Energy and Nutrient Intakes, Journal of the Academy of Nutrition and Dileteius, 2020





How do we know what foods increase or reduce our risk of dementia?



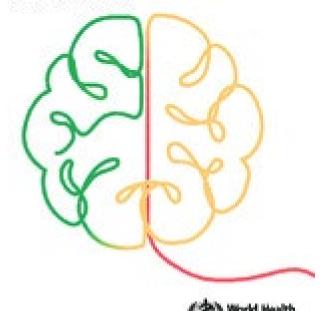


What is a healthy diet?

- "The Mediterranean-like diet may be recommended to adults with normal cognition and mild cognitive impairment to reduce the risk of cognitive decline and/or dementia."
- "A healthy, balanced diet should be recommended to all adults based on WHO recommendations on healthy diet." https://www.who.int/en/news-room/fact-sheets/detail/healthy-diet
 - Includes fruit, vegetables, legumes, nuts and whole grains
 - ≥400g of fruit and vegetables (5+ portions) per day, excluding potatoes and other starchy roots
 - <10% total energy intake from free sugars (about 12 level teaspoons)
 - <30% total energy intake from fats preferably unsaturated
 - <5g of salt (about 1 teaspoon) per day
- "Vitamins B and E, polyunsaturated fatty acids and multi-complex supplementation should not be recommended to reduce the risk of cognitive decline and/or dementia."

OF COGNITIVE DECLINI
AND DEMENTIA

WHO GUIDELINES



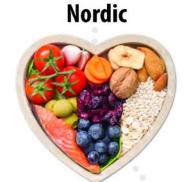
https://www.who.int/publications/i/item/risk-reduction-of-cognitive-decline-and-dementia



What are some recommended dietary patterns? Mediterranean MIND







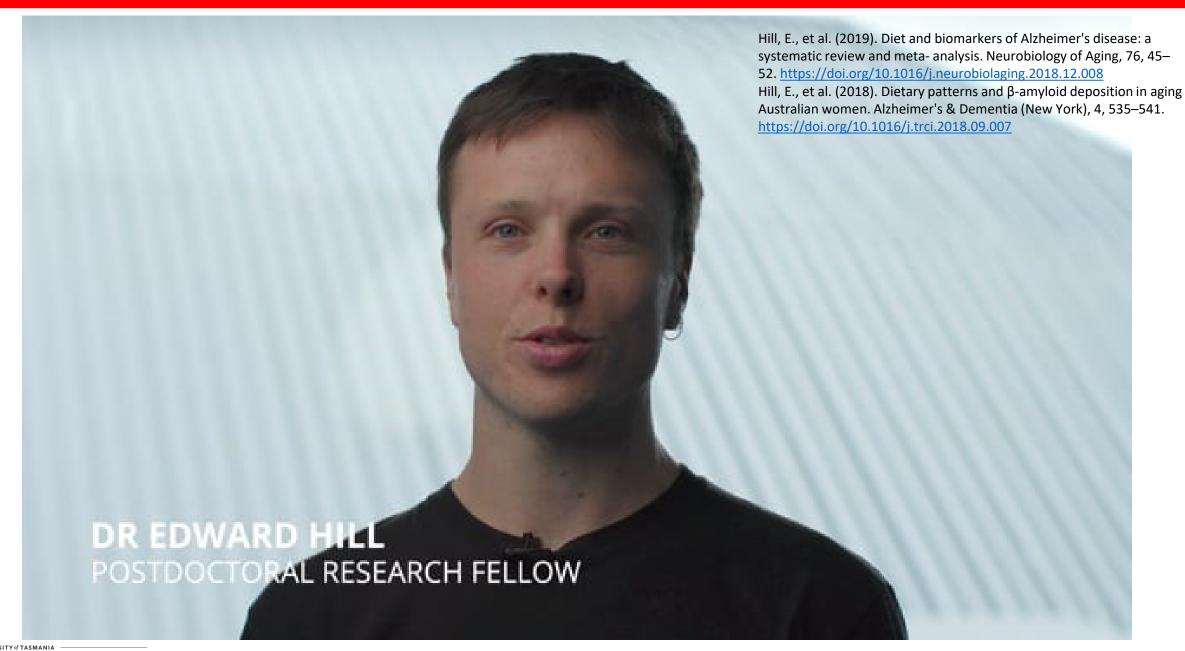


Traditional Asian











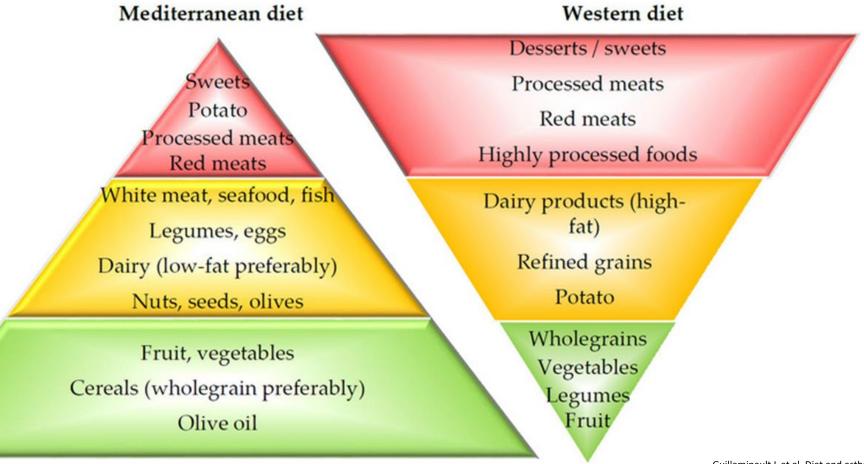
What is a Mediterranean diet?



Serra-Majem L et al. Updating the Mediterranean diet pyramid towards sustainability: focus on environmental concerns. Int. J Environ. Res. Public Health. 2020; 17(23):8758. https://doi.org/10.3390/ijerph17238758



How is a Mediterranean diet different from a Western diet?





Guilleminault L et al. Diet and asthma: is it time to adapt our message? Nutrients. 2017; 9:1227. https://doi.org/10.3390/nu9111227

Food for thought

• Changing behaviours, like the type of food you eat, is difficult. There are many reasons why people eat the way they do:









- Seek information including shopping lists, recipes, and personalised nutrition information
 - Australian Government Eat For Health website https://www.eatforhealth.gov.au/
- Seek support social (friend, family member) and/or professional (e.g., GP, dietitian)
- Use prompts e.g., put a sticker on the fridge
- Set manageable goals e.g.:
 - Try a new Mediterranean-like food or recipe each week
 - Eat one more serve of vegetables a day
 - Substitute olive oil for other oils and fats
 - Consume one less 'treat' food or drink each day
- **Self-monitor behaviour** e.g., keep a food diary



Hummus dip

Serves 14. Preparation time 2 minutes.

Ingredients

- Chickpeas, canned, drained, 1 x 400g can
- Sea salt, 1 pinch
- Olive oil, 2 teaspoons
- White pepper, ground, ½ teaspoon
- Tahini, 1 tablespoon
- Cumin seeds, 1 teaspoon, toasted
- Natural yoghurt, low fat, 2 tablespoons
- Lemon juice, 2 tablespoons

Method

- In a blender, add the chickpeas, a pinch of white pepper, salt, oil, tahini, cumin seeds, yoghurt and lemon juice. Blend for 30 seconds, or until combined and smooth.
- If the mixture is a little dry, add 1 tablespoon of warm water.
- Pour into a bowl and serve with vegetable crudités.



https://www.totalwellbeingdiet.com/au/recipes/healthy-summer-recipes/hummus/



Take-home messages

- Eating a healthier diet can improve a number of health outcomes, which can have wide-ranging, holistic benefits.
- 2. Focus on dietary patterns rather than individual foods:
 - Eat a Mediterranean-like diet based largely on plant foods and minimising processed foods to improve cognitive health.
- 3. What can you do? Dietary change can be difficult so it's OK to start with small actions, such as:
 - Think of one dietary goal you can set and one person who can support you with this.
 - Talk to a GP, dietitian or other relevant health professional.
 - Seek information on healthy diets, such as the Australian Dietary Guidelines: https://www.eatforhealth.gov.au
 - Simply try to be more conscious of your food intake!







Disclaimer

Please note that the information presented in this webinar does not constitute medical advice. For any issues that may arise for you personally, or for medical or dietary guidance, we encourage you to discuss this with your family doctor or another health care professional. You may also obtain further information from your local Alzheimer's disease or dementia society or association.

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