

# Funding Issues with the Dietary Reference Intakes

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# DRI Values

- Studies on requirements of humans – CDRR added in 2017
- Essential nutrients – 29 vitamins & minerals, macronutrients
- Conditionally essential – choline, arginine, glutamine
- Non-essential – dietary fiber, carotenoids, polyphenols, flavonoids, lignans
- 10 Age groups, 2 Sexes, Pregnancy, Lactation
- Used by
  - Federal gov't on food labels, WIC, School Meals
  - Health professionals
  - Food industry: fortification, enrichments, label claims

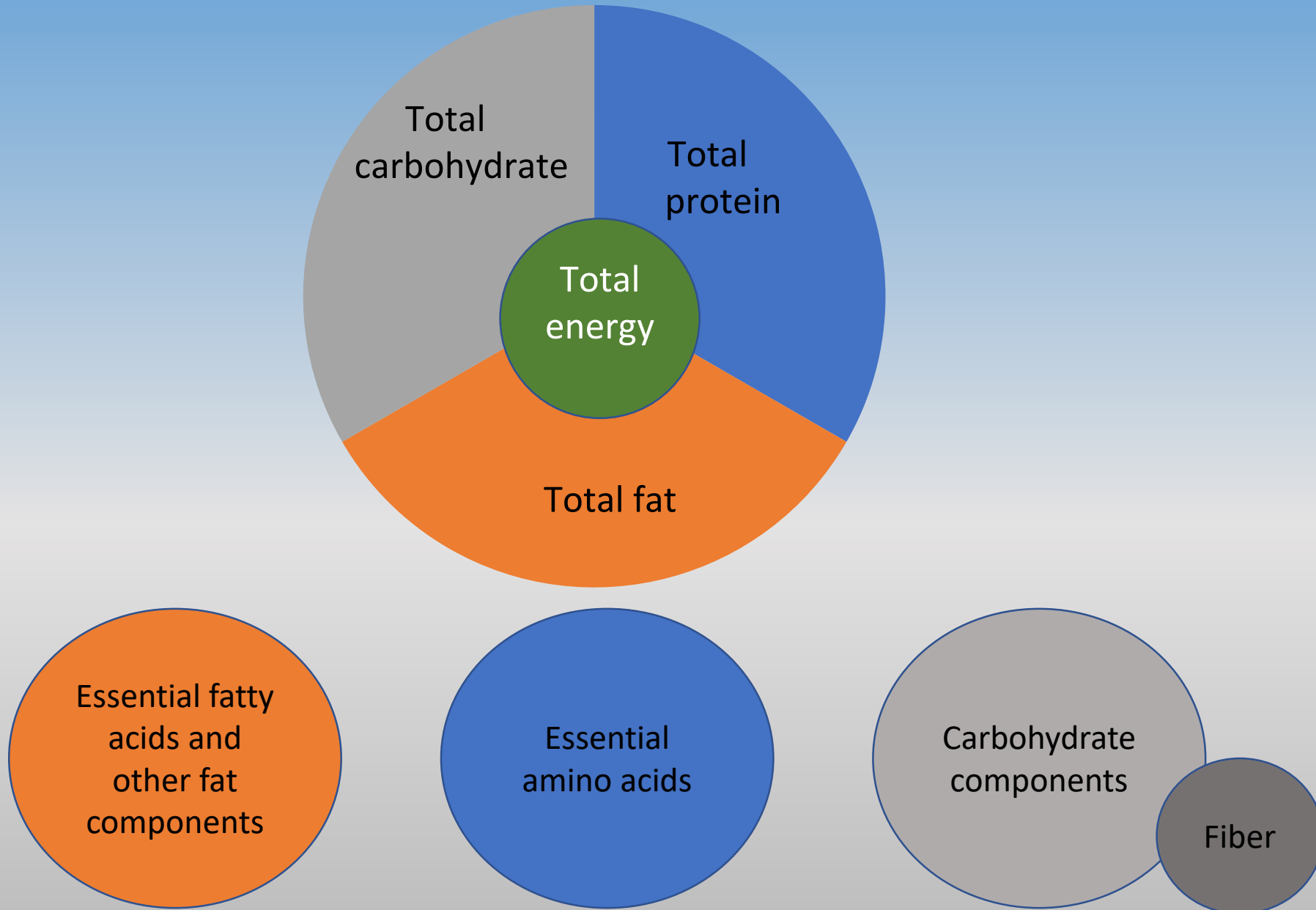
# DRI History

- RDA book used to be redone every 10 years at a cost of <\$500k
- Late 1990s, DRI paradigm introduced: EAR, RDA, AI, AMDR, UL
- 12 DRI books published 1998-2005
  - 6 with nutrient values,
  - 6 others on various uses
- Calcium/Vitamin D revised in 2011 - \$1.7 Million from Health Canada and 9 US agencies
  - Plus multiple AHRQ reviews on vitamin D and health endpoints by NIH/ODS
- Most unexamined for 20 y but DGA redone every 5 years by statute

# DRI Process

- Federal agencies sponsor AHRQ systematic reviews(s) & NASEM consensus committee
- Joint US-Canada Steering Committee
  - 18 US agencies
  - 4 Canadian agencies
- No dedicated funding – almost always end-of-year contributions
  - Multiple small amounts
  - No consistency in support
  - New NASEM rule requires all funding upfront

# Modular DRI approach for macronutrient review



# What's Next?

- Review macronutrients
  - Protein, Fat, Carbohydrate, Total Energy
    - Amino acids; Fatty acids; Sugars, Starch, Dietary Fiber
  - Numerous systematic reviews possible for multiple chronic disease endpoints
- What resources are needed?
  - At least 10 systematic reviews - \$6 million plus
  - Two NASEM consensus studies - \$5 million or more
  - 5-year process
- \$2 million/y indefinitely
  - Will allow all nutrients to be re-examined