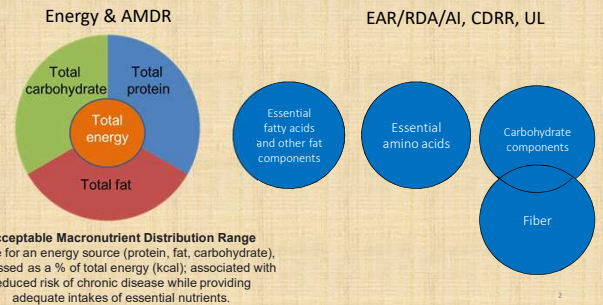


Options for Structuring Macronutrient DRI Reviews

July 14, 2022

Macronutrient DRI review: a daunting task

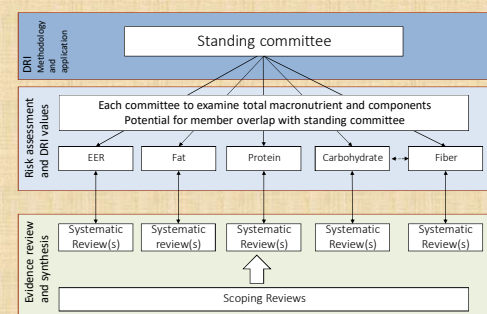


Expert meeting: Fall 2020

Discuss 3 overarching themes:

1. The DRI conceptual framework and methodologies for deriving reference values
2. The state of the science relevant to review of macronutrients
3. The process for approaching a review of macronutrients

Draft proposed structure



Main tasks in DRI review

- For each nutrient review, the committee will need to:
 - Determine DRIs for lifestages
 - adequacy, toxicity, chronic disease
 - Consider questions of essentiality
 - example: Determine AAs / LCPUFAs / CHO that may be essential in some lifestages
 - Consider other questions relevant to nutrient standards
 - example: ratios of fatty acids; protein quality
- Each committee? or overall?
 - Applications of values?
 - Overall coherence?

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Proposals and options

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Protein should be addressed by a separate consensus committee

- Expertise needed is likely to be different than that for the other macronutrients.
- Evidence required is not reliant on or intertwined with other macronutrients.
- DRI values for protein could be implemented in absence of values for carbohydrate, fiber, and fat.

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An additional “Applications” committee is not required

- Expertise on applications can be nested within each nutrient committee
- The Standing Committee on the DRI Framework will likely be able to address any issues that would have been tasked to this additional committee.
- A delay between the publication of updated DRI values and guidance on using these values is not desirable.

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Fiber should be addressed by a subcommittee positioned within a carbohydrate consensus committee

- Considerable expertise overlap in the areas of carbohydrate and fiber – will reduce the need to have experts sit on multiple committees.
- Allows all subcomponents of carbohydrates to be addressed in the same report (i.e. values will come out at the same time) – ensure consistency.

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Options for Structuring Macronutrient DRI Reviews

Option 1:

3 consensus committees:

- Protein
- Fat
 - likely many subcommittees to address the different classes
- Carbohydrate with subcommittee on fibre
 - possibly other subcommittees as well

Option 2:

2 consensus committees:

- Protein
- Fat + Carbohydrate with subcommittee on fibre
 - possibly other subcommittees as well

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Key consideration: use & implementation of values

3 consensus committees:

a) fat and carbohydrate in parallel



b) possibility of delaying publication until fat and carbohydrate are both complete

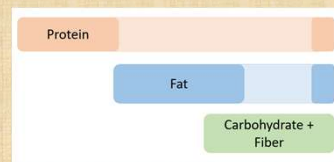


* Hypothetical and illustrative only*

Key consideration: use & implementation of values

3 consensus committees:

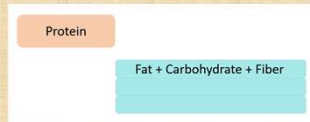
c) delaying publication until all consensus committees complete their reviews



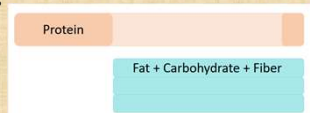
* Hypothetical and illustrative only*

Option 2: 2 consensus committees

a) publication of protein ahead of other macronutrients



b) delaying publication until both consensus committees complete their reviews



* Hypothetical and illustrative only*

Thoughts?