
Decision to Fund Review of DRIs for Vitamin D and Calcium

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Vitamin D/Calcium

2007 Workshop on The Development of DRIs 1994 – 2004: Lessons Learned and New Challenges

n *Framework for DRI Development – Components “Known” and Components “To Be Explored”
Background Paper*

- n *Relevant criteria and processes should be identified to facilitate specific nutrient updating and allow these updates to take place in a timely, transparent, appropriate and accountable fashion*

Vitamin D Working Group of US and Canadian Federal Scientists 2008

- n Subcommittee of Federal DRI Steering Committee
- n Purpose: to decide if review of 1997 DRIs for vitamin D was warranted
- n Threshold criterion selected:
Significant new and relevant research had become available after the 1997 DRI Committee completed its deliberations

Threshold Criterion

- n Science-based
- n Minimizes the likelihood public pressure will drive process
- n Ensures new research and methodologies will inform deliberations of a DRI Study Committee
- n Does not anticipate the work of a Study Committee

Relevance of new research

- n Effect of serum 25(OH)D on health outcomes?
- n Effect of vitamin D intakes on serum 25(OH)D?
- n Effect of vitamin D intakes on health outcomes?
- n Levels of vitamin D associated with adverse outcomes?

Significance of new research

- n Scientific quality of studies – RCT's and observational studies
- n Results expanded the information available in 1997 relating to key DRI decisions
 - n Additional age groups

Literature Sources were

- n AHRQ Evidence-based Review
- n Reports of 2 NIH Conferences

New Research was found to

- n Add to the evidence for several life-stage groups
- n Identify new outcome measures in the elderly
- n Identify new potential adverse effects
- n Provide additional information on dose-response relationships
- n Provide information on new and relevant interpretive issues

Working Group Conclusions

- n Significant new and relevant research was available
- n Review of vitamin D and Calcium DRIs was warranted
- n **Funding** followed these conclusion

EA Yetley et al. "Dietary Reference Intakes for vitamin D: justification for a review of the 1997 values." Am J Clin Nutr 2009;89: 719-27

Sponsors of DRI Review on Vitamin D and Calcium

- n U.S. Department of Agriculture
 - n Agricultural Research Service
 - n Center for Nutrition Policy and Promotion
- n U.S. Department of Health and Human Services
 - n Food and Drug Administration
 - n National Institutes of Health
 - n Division of Nutrition Research Coordination
 - n National Cancer Institute
 - n National Institute on Aging
 - n Office of Dietary Supplements
 - n Office of Disease Prevention and Health Promotion
- n U.S. Department of Defense
- n Health Canada
 - n Health Products and Food Branch
 - n First Nations and Inuit Health Branch
- n Public Health Agency of Canada