

Minutes of Annual Meeting of W-191
Factors Influencing the Intake of Calcium Rich Foods Among Adolescents
November 20-23, 2002
Doubletree Hotel at Reid Park
Tucson, Arizona

Wednesday, Nov. 20
Introductions

Designated Project Participants present were Ann Bock, NMSU, Keith Jensen, UT (representing new person-Deb now at WI), Christine Bruhn, UC Davis, Carol Boushey, Purdue, Susan Welsh, USDA, Garry Auld, Colorado State, Miriam Edlefsen, WSU and Scottie Misner, AZ.

Potential Designated Participants for new project present were: Beth Olson, MSU-Nutrition Specialist, Jean Weese, Auburn-child nutrition projects. (Christine will set up list serv for new W-1003 project).

CRIS forms are available on CRIS web site <http://cwf.uvm.edu/cris/intro.htm/> New project participants can click on forms AD 416/417 and AD 421 and complete.

Analysis of W-191 questionnaire

Carol-Dick has done programming for M/B Scales & FFQs for calcium has been checked & completed (cereal not completed) groupings (food calcium, supplement calcium). 253 of Purdues' forms have been found. The data set for Nevada and Idaho will be cleaned up by NMSU and sent to Purdue. There is a total of about 2100. Data disk will be available and will have all data (possible early spring) and each state. Individual states can pull out by school. There is no information from Utah and little from Idaho. They will be sent out as SAS, SPSS, and ASCII files.

Two things on the FFQ have not been addressed-Outliers-very high-2 xs DRI or very low
Reasons for this might be:

1. not understood FFQ (do cutouts based on total weight)
 2. Missing data-can be used Keith only had to eliminate 2 on calibration paper
- Single questions-Test/Retest not done

Carol-Pilot-Camp Calcium Results:

white girls-track with FFQ & but they didn't track for black girls in the pilot
Miriam requested calcium references for our project. Christine suggested references from the Calcium Summit put out by Dairy Council.

Articles:

Louise Peck and Kathe Gabel are willing to work on articles.

Garry & Carol will work on Methods

Boys Focus Group-Journals-Marla suggested considering Health Education Research and Public Health Nutrition. Some require you submit an abstract first and then will notify you if they will accept the manuscript.

The top cereals from pilot are the same as from the general study with cheerios & frosted flakes being the top two.

Reference managers:

Ann uses Web of Science which one can download references directly into Reference Manager or End Note.

Thursday, November 21

Greetings and Welcome

were provided by Colin Kaltenbach, Vice Dean & Director of The University of Arizona Experimental Station.

Introductions

Potential designated W-1003 participants attending were: Jean Weese-Auburn, Therese Waterhous-OSU, Chang Wang-KY, Marla Reicks-MN, Jimin Yang-Purdue grad student, Beth Olson-MSU (check with UC Davis for Appendix E), HI-possibly new hire may participate, and Jennifer Fisher-Baylor.

Designated W-1003 Participants present were: Miriam Edlefsen-WSU; Garry Auld-CSU; Susan Welsh-USDA-CSREES; Carol Boushey-Purdue; Jim Jacobs-Administrator; Scottie Misner-AZ; Christine Bruhn-UC Davis; Keith Jensen-UT; Dena Goldberg, WY; and Ann Bock-NMSU.

W-191 Questionnaire

W-191-make scannable FFQ available to other interested parties on a website. However, it's not yet ready. Consider set up in 3 components. Ann will do the scannable FFQ, demographics, and MBQ. We should consider a disclaimer clause because this is to be used with this set of analytical tools. Ann get pdf/printer paper tool out first on the web with cgi code and then electronic version using a template. We may use SPSS or SAS for analysis.

Reports:

Susan Welsh-USDA, indicated the Farm Bill was signed last spring. IFYS was authorized but the House and Senate disallowed. Both backed an integrated fund which will be used like IFYS. There may be an increase in Hatch funds and Higher Ed grants. Funding opportunities are listed on CRIS, themes (white papers) that went into the budgets. Susan is interested in obesity and consumer choices.

Jim Jacobs, Administrative Advisor, suggested terminating W-191 relative to funding but not publications... and starting W-1003. Each new designated investigator must fill out Appendix E and return to Jim. AD 421-publications can report on old number/Termination (CRIS) Report & fill out new one for W-1003 and spin-off projects and/or companion projects. (Publications can be reported on this form). AD 416, AD 417 objectives must match-verbatim & 208-Assurance

Statement-IRB for Interview. NIMSS <http://www.lgu.umd.edu> Log in as guest, guest or get password from Ag Experiment Station.

Publications-W-191-as listed by Garry include:

Auld, G., Bock, M.A., Boushey, C., Bruhn, C., Gabel, K., Gustafson, D., Holmes, B., Misner S., Novotny, R., Peck, L., Pelican, S., Pond-Smith, D., Read, M. (2002). Perspectives on intake of calcium rich foods among Asian, Hispanic and white preadolescent and adolescent females. Journal of Nutrition Education and Behavior, 34:242-251.

Gabel, K., Auld G., Bock, M.A., Boushey, C., Bruhn, C., Gustafson, D., Holmes, B., Misner S., Novotny, R., Peck, L., Pelican, S., Pond-Smith, D., Read, M., Wolfe, F. (In press). Relationship of gender to motivators and barriers of drinking milk by adolescents - results from focus groups. J. Adolescent Health.

Read M., Novotny R., Auld, G., Bock, M.A., Bruhn, C., Gabel, K., Gustafson, D., Holmes, B., Peck, L., Pelican, S., Pond-Smith, D., Wolfe F.H. (2002). Age differences in milk consumption as a snack and by eating location. Topics in Clinical Nutrition, 17(4):55-62.

Novotny R., Boushey C., Bock M.A., Peck L., Auld, G., Bruhn, C., Gustafson, D., Gabel K., Jensen, J.K., Misner S., Read M., (2002, in press). Calcium intake of Asian, Hispanic and white youth. Journal of the American College of Nutrition.

Other Publications

Carol suggested Keith consider writing a paper on pilot food groups from the 24 hr recalls that contribute to calcium.

Impacts of W-191

1) Multi-million dollar grant: The multi-state relationships established through W-191 and the new knowledge generated by the project formed the basis of a \$3.75 million grant awarded through USDA's IFAFS (Initiative for Future Agriculture and Food Systems) for a four-year project entitled "Improving Bone Health in Adolescence Through Targeted Behavioral Intervention."

2) New research tools:

* In developing and validating a calcium-specific food frequency questionnaire for Asian-, Caucasian-, and Hispanic-American adolescents, the W-191 research team has made available a unique tool for their use as well as by other researchers and practitioners interested in assessing calcium intake among youth.

* Based on the project's focus group research, the team has also developed and tested the reliability of a motivator/barrier questionnaire to assess factors that serve to encourage or discourage intake of calcium-rich foods by Asian-, Caucasian-, and Hispanic-American youth. This one-of-a-kind tool will also be useful to other researchers and practitioners.

3) A deeper understanding of and appreciation for diversity: Most studies on calcium intake of adolescents have failed to address ethnic differences. This likely has led to under reporting of calcium intake among minority youth. In contrast, W-191 seeks to accurately assess calcium intake by Asian-, Caucasian-, and Hispanic-American adolescents, being cognizant of and sensitive to similarities and differences among these three ethnic/racial groups. (The project focuses on these three groups because they face a higher risk of developing osteoporosis.)

Review of Policies & Rules:

Cost-all states share cost.

Publications-all investigators are listed.

Multi State Project Rules:(13 states)

1. Not all investigators are listed on a publication if done with an individual state's data. With combined, pooled data which is done at one site, publication lists all investigators.
2. Costs-Let Ann know to bill on state fiscal or federal year. All states share cost of data analysis, statistical analysis, and printing.
3. At each Annual Meeting elect Chair, Secretary and host of next Annual Meeting.
4. Set up list serve for new project, W-1003. W-1003@ucdavis.edu Be considerate of etiquette. Send names of participants, grad students and address changes to Christine.

Presentation

Development of Eating Behavior by Jennifer Fisher of Baylor, student of Leanne Birch, Penn St
Model of eating behavior and early eating patterns based upon environments

She explored child feeding practices-restrictive vs unrestricted, heredity and developmental changes and portion size. Children who self-select eat about the amount needed for growth but this doesn't hold for adults.

Saturday, November 23

Next Annual Meeting W-191 members converting to W-1003. Location-Oct. 1-4 hosted by Garry at Colorado State University in Ft. Collins.

New list serve: W-1003@ucdavis.edu will be sent to members.

New Chair-Christine Bruhn, UC Davis

New Secretary-Dena Goldberg, Wyoming

With business completed, the meeting was adjourned.

Respectfully submitted,

Scottie Misner

Secretary

11/26/02