# Nutrition Informatics References

Compiled by Elaine Ayres, Lindsey Hoggle & Marty Yadrick

October 2010 Version 2

## I. PROFESSIONAL DEVELOPMENT

### GENERAL NUTRITION INFORMATICS

II. PROFESSIONAL USE

### CLINICAL PRACTICE

### STANDARDS, STANDARDIZED LANGUAGE AND NUTRITION CARE PROCESS

### EVIDENCE BASED PRACTICE AND OUTCOMES

### FOOD SERVICE SYSTEMS

### ELECTRONIC HEALTH RECORDS

### CLINICAL DECISION SUPPORT AND COMPUTER PROVIDER ORDER ENTRY (CPOE)

### FOOD AND NUTRITION MANAGEMENT SYSTEMS

### NUTRIENT ANALYSIS/FOOD COMPOSITION/NUTRIENT DATABASES

### NUTRITION RESEARCH

### TELEHEALTH & TELEMEDICINE

### REIMBURSEMENT FOR NUTRITIONAL CARE

### PRIVACY AND SECURITY OF HEALTH INFORMATION

### ETHICAL AND LEGAL ISSUES OF PRACTICE

### SURVEYS

## III. CONSUMER FACING INFORMATICS

### INTERNET & WEBSITE CONTENT

### NUTRITION EDUCATION FOR CONSUMERS

### PERSONAL FOOD AND NUTRITION APPLICATIONS AND TECHNOLOGIES

### PERSONAL HEALTH RECORDS

### HEALTH 2.0 AND MOBILE TECHNOLOGIES

## IV. POPULATION HEALTH

### COMMUNITY NUTRITION AND PUBLIC HEALTH

### FOOD SUPPLY AND SAFETY SURVEILLANCE

### HEALTH INFORMATION EXCHANGE
I. PROFESSIONAL DEVELOPMENT

GENERAL NUTRITION INFORMATICS


Nutrition Informatics References
Compiled by Elaine Ayres, Lindsey Hoggle & Marty Yadrick
October 2010 Version 2


Lewis, K, Burton-Freeman, B. The role of innovation and technology in meeting individual nutrition needs. J Nutr. 2010;426S-436S.


Morris D. Locating the information superhighway on-ramp: You can get there from where you are. J Am Diet Assoc. 2005;96:14-16.


Nutrition Informatics References
Compiled by Elaine Ayres, Lindsey Hoggle & Marty Yadrick
October 2010 Version 2


EDUCATION (PROFESSIONAL)


**II. PROFESSIONAL USE**

**CLINICAL PRACTICE**


Aronson, D. It’s About Time – Adapt to New Nutrition Assessment Tools to Optimize Care Today’s Dietitian 2009;11:10


Baghurst KI, Record SJ. A computerized dietary analysis system for use with diet diaries or food frequency questionnaires. Community Health Stud. 1984;8(1):11-8.


Ball PA, Candy DC, Puntis JW, McNeish AS. Portable bedside microcomputer system for management of parenteral nutrition in all age groups. Arch Dis Child. 1985 May;60(5):435-9.


Nutrition Informatics References  
Compiled by Elaine Ayres, Lindsey Hoggle & Marty Yadrick  
October 2010 Version 2


Nutrition Informatics References
Compiled by Elaine Ayres, Lindsey Hoggle & Marty Yadrick
October 2010 Version 2

Nutrition Information Software available online


**STANDARDS, STANDARDIZED LANGUAGE AND NUTRITION CARE PROCESS**


Health Level Seven, Version 2.6 Chapter 4: Order Entry, Section 4.7 Diet Trigger Events & Message Definitions. Pages 4/73-4/79. 2007


J White, GL Blackburn, A Kahn, E Myers, M Ohlson, S Sharkey. Electronic Medical Records & Personal Health Records: A Call for the Creation and Inclusion of a Nutrition Data Set, American Dietetic Association & Abbott Laboratories 2009


**EVIDENCE BASED PRACTICE AND OUTCOMES**


**FOOD SERVICE SYSTEMS**


**ELECTRONIC HEALTH RECORDS**


Jones, S. Electronic Health Record: Considerations for Clinical Nutrition Managers.

American Dietetic Association Website: EHR toolkit

**CLINICAL DECISION SUPPORT AND COMPUTER PROVIDER ORDER ENTRY (CPOE)**

Gregoire MB, Nettles MF. Is it time for computer-assisted decision making to improve the quality of nutrition services? *J Am Diet Assoc.* 1371-1374.


**FOOD AND NUTRITION MANAGEMENT SYSTEMS**


Anonymous. Dietitians work with 'Mr. C' (C is for computer) in planning menus. *Hospitals* 1966;40: 132-134.


Bennett AC. Systems approach is needed for data processing function. *Hospitals*. 1979;53:47.


Blaker GG. Annual administrative reviews: Food Service *Hospitals* 1973; 47: 127.


Casbergue JP. Medical dietetic students plan menus with computer assistance. *Hospitals* 1966;40: 96.


Waller A. The Use of computer technology in nutrition and food services. *Hosp Mater Manage Q.* 1986 Feb;7(3):50-60.

Nutrition Informatics References
Compiled by Elaine Ayres, Lindsey Hoggle & Marty Yadrick
October 2010 Version 2


**NUTRIENT ANALYSIS/FOOD COMPOSITION/NUTRIENT DATABASES**


Nutrition Informatics References
Compiled by Elaine Ayres, Lindsey Hoggle & Marty Yadrick
October 2010 Version 2

Long JD, Littlefield LA, Estep G, Martin H, Rogers TJ, Boswell C, Shriver BJ, Roman-Shriver


Pennington J, Stumbo P. US National Nutrient Databank Conference—A look to the past and the future National Institutes of Health (NIH), 6707 Democracy Boulevard, Room 629, Bethesda, MD 20892, USA General Clinical Research Center, Medical Research Facility, University of Iowa, Iowa City, IA 52242, USA Available online 16 March 2008.


Watt BK, Murphy EW. Bridging the nutrient knowledge gap requires your concern and aid in updating tables of food composition: Scope and needed research. *Food Technol* 1970;24: 674.


**NUTRITION RESEARCH**


Nutrition Informatics References
Compiled by Elaine Ayres, Lindsey Hoggle & Marty Yadrick
October 2010 Version 2


TELEHEALTH & TELEMEDICINE


**REIMBURSEMENT FOR NUTRITIONAL CARE**


**PRIVACY AND SECURITY OF HEALTH INFORMATION**


**ETHICAL AND LEGAL ISSUES OF PRACTICE**


**SURVEYS**


McBride J. Was it a slab, a slice, or a sliver? High-tech innovations take food survey to a new level. *Agric Res.* 2001;49: 4-7.


III. CONSUMER FACING INFORMATICS

INTERNET & WEBSITE CONTENT


Matthys C, Pynaert I, De Keyzer W, De Henauw S. Validity and reproducibility of an adolescent Web-


Tate DF, Jackvony EH, Wing RR. A randomized trial comparing human E-mail counseling, computer-animated tailored counseling and no counseling in an Internet weight loss program. *Arch Intern Med.* 2006; 166:1620-1625.


Webber KH, Tate DF, Quintiliani LM. Motivational Interviewing in Internet Groups: A Pilot Study for Weight Loss. *J Am Diet Assoc.* 2008; 6: 1029-1032.
NUTRITION EDUCATION FOR CONSUMERS

http://www.fns.usda.gov/ora/menu/Published/NutritionEducation/Files/LitReview_Tailoring.pdf


BitWine Nutrition Advisors Network – Online nutrition counseling services


Fox S, Jones S. The Social Life of Health Information. Pew Internet and American Life Project 2009.


Trepka, J. Interactive multimedia can be used effectively in food safety education. *J Am Diet Assoc.* 2008;108:985


**PERSONAL FOOD AND NUTRITION APPLICATIONS AND TECHNOLOGIES**


Online Calorie Counters (Examples): (Accessed 2/6/10)


  My Food Diary [http://www.myfooddiary.com/?source=g_cs_calculator&OVKEY=food%20calorie%20calculator&gclid=CN_akJmv4J8CFaAO5QodFV7rHw](http://www.myfooddiary.com/?source=g_cs_calculator&OVKEY=food%20calorie%20calculator&gclid=CN_akJmv4J8CFaAO5QodFV7rHw)


  Calorie Count [http://caloriecount.about.com/](http://caloriecount.about.com/)


PERSONAL HEALTH RECORDS


US Department of Health and Human Services. Personalized Health Care: Opportunities, Pathways, Resources. 2007 Available at http://www.hhs.gov/myhealthcare/

HEALTH 2.0 AND MOBILE TECHNOLOGIES


References

Compiled by Elaine Ayres, Lindsey Hoggle & Marty Yadrick
October 2010 Version 2


SOCIAL MEDIA


IV. POPULATION HEALTH

COMMUNITY NUTRITION AND PUBLIC HEALTH


**FOOD SUPPLY AND SAFETY SURVEILLANCE**


**HEALTH INFORMATION EXCHANGE**