

Contents

Part I Introduction and Overview

- 1 Design of Economic Incentive Instruments in Nutrition Policy** 3
Jørgen Dejgaard Jensen
- 2 Nutrition Policy for the Prevention of Disease: Issues of Cost-effectiveness**..... 19
Norman J. Temple
- 3 Economics of Food Fortification** 31
Annie S. Wesley and Sue Horton
- 4 The Economic Value of Dietary Supplements** 41
John F. Raffensperger

Part II Influences on Preventive Nutrition Strategies

- 5 The Economic Value of Dietary Supplements** 57
Tom Baranowski
- 6 Fruit and Vegetable Prices, Dietary Intakes and Income: Potential Cost Versus Benefit** 63
Qi Zhang and Youfa Wang
- 7 The Role of Ethnicity in Shaping Dietary Patterns: A Review on the Social and Psychological Correlates of Food Consumption**..... 75
Giuseppe Carrus, Francesca Cini, Pierluigi Caddeo, Sabine Pirchio, and Anna Maria Nenci

Part III Potential for Cost Effectiveness with Food Interventions

- 8 Low Cost Food, Recovery and Death in Malnourished Children** 91
Luigi Greco and Valentina Fiorito

9	Using Price Incentives to Increase the Consumption of Fruits and Vegetables Among a Low-Income Population.....	105
	Karen M. Jetter	
10	Cost-Effectiveness of Nutritional Interventions for Bone Health in Children and Young Adults– What is Known and Where are the Gaps?	121
	Tania Winzenberg and Graeme Jones	
11	Economic Evaluation of Dental Caries Prevention Programs Using Milk and its Products as the Vehicle for Fluorides: Cost Versus Benefits	143
	Rodrigo Mariño, Jorge Fajardo, and Mike Morgan	
Part IV Antioxidant Nutrient and Bioactive Food Component Interactions: Potential Economic Benefits		
12	Cost Effective Natural Antioxidants	163
	Dhan Prakash and Neeraj Kumar	
13	Zinc Intervention Strategies: Costs and Health Benefits	189
	Angus G. Scrimgeour, Michelle L. Condlin, Lucas Otieno, and Maria E. Bovill	
14	Multifaceted Therapeutic Value of Roselle (<i>Hibiscus sabdariffa</i> L. – Malvaceae).....	215
	Armando González-Stuart	
15	The Effectiveness and Economical Benefits of Cosmetic Treatments and Procedures Versus Natural Treatments and Life Style Changes	227
	Pankaj Modi	
Part V Economic Effects of Dietary Components in Disease and Prevention Therapy		
16	Antiviral Potential of Vegetables: Can They be Cost-Effective Agents for Human Disease?	259
	Robert Kelechi Obi	
17	Citrus Products and Their Use Against Bacteria: Potential Health and Cost Benefits.....	277
	Todd R. Callaway, Jeff A. Carroll, John D. Arthington, Tom S. Edrington, Robin C. Anderson, Steve C. Ricke, Phil Crandall, Chad Collier, and David J. Nisbet	
18	Potential Chemopreventive Effects of Fruits, Vegetables, and Spices Consumed in Mexico	287
	Armando González-Stuart	

19 Bioactive Nutritional Supplements for Chronic Kidney Disease: Potential Cost Benefits	301
Glenda C. Gobe, Robert G. Fassett, and Jeff S. Coombes	
20 Preoperative Immunonutrition: Cost–Benefit Analysis	315
Marco Braga and Simona Rocchetti	
Part VI Cost Effectiveness of Dietary Intervention in Cardiovascular Disease and Diabetes	
21 Nutritional Management of Hypertension: Cost Versus Benefit	323
Angelique Mavrodaris and Saverio Stranges	
22 Cost-Effectiveness Analysis of the Mediterranean Diet for Persons after a Heart Attack	349
Kim Dalziel and Leonie Segal	
23 Nutrition and the Benefits of Early Interventions in Diabetes, Cardiovascular and Noncommunicable Diseases.....	365
Ian Darnton-Hill, I. Caterson, and S. Colagiuri	
24 Cost-Effectiveness of Glycemic Control.....	391
Emily Knezevich, Jennifer Campbell, and Daniel Hilleman	
25 Benefits of Low Glycemic and High Satiety Index Foods for Obesity and Diabetes Control and Management	403
Pankaj Modi	
26 Importance and Benefits of Lifestyles Changes Versus Diabetes Drugs in Effective Management of Diabetes.....	425
Pankaj Modi	
27 Cost of Pycnogenol Supplementation and Traditional Diabetes Treatments per Unit of Improved Health Outcome	457
Gayle Bentley, Frank Schonlau, Sherma Zibadi, and Ronald Ross Watson	
28 Pycnogenol Supplementation and Cardiovascular Health: Treatment and Cost-Benefit Analysis.....	467
Zaynah Tahmina Chowdhury, Frank Schonlau, Sherma Zibadi, and Ronald Ross Watson	
Index.....	477

Nutrients, Dietary Supplements, and Nutraceuticals

Cost Analysis Versus Clinical Benefits

Watson, R.R.; Gerald, J.K.; Preedy, V.R. (Eds.)

2011, XXIX, 486 p., Hardcover

ISBN: 978-1-60761-307-7

A product of Humana Press