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# MARCH NUTRITION RESEARCH REVIEW

## Value of Nutrition Support Therapy: Impact on Clinical & Economic Outcomes in the United States

**PUBLICATION:** Journal of Parenteral and Enteral Nutrition

**PUBLISH DATE:** 29 January 2020

### **AUTHORS**

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### **SUMMARY**

An evidence review was completed to evaluate claims analyses of the financial and quality impact of nutrition support therapy on high-priority therapeutic conditions. A total of 8 articles were selected for Medicare claims modeling of sepsis, gastrointestinal (GI) cancer, hospital-acquired infections, surgical complications, and pancreatitis. The total projected annual cost savings from use of optimized nutrition support therapy was \$580 million.

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## Association of Nutritional Support with Clinical Outcomes Among Medical Inpatients Who Are Malnourished or at Nutritional Risk: An Updated Systematic Review & Meta-Analysis

**PUBLICATION:** JAMA Network Open

**PUBLISH DATE:** 1 November 2019

**AUTHORS:**

Filomena Gomes PhD; Annic Baumgartner MD; Lisa Bounoure PhD; Martina Bally MD; Nicolaas E. Deutz MD; Jeffrey L. Greenwald MD; Zeno Stanga MD; Beat Mueller MD; Philipp Schuetz MD, MPH

**SUMMARY**

A meta-analysis of 27 trials published between 2015 and 2019 was completed to assess the association of nutritional support with clinical outcomes in medical inpatients who are malnourished or at nutritional risk. Patients receiving nutritional support had significantly lower rates of mortality compared to those in the control group, as well as a reduction in nonelective hospital admissions.

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## ESPEN Guideline on Home Enteral Nutrition

**PUBLICATION:** Clinical Nutrition

**PUBLISH DATE:** January 2020

**AUTHORS:**

Stephan Bischoff MD; Peter Austin BPharm (Hons), MSc; Kurt Boeykens CNNS; Michael Chourdakis BSc, MD, MPH, PhD; Cristina Cuerda PhD; Cora Jonkers-Schuitema RD; Marek Lichota; Ibolya Nyulasi PhD; Stephane M. Schneider MD, PhD, FEBGH; Zeno Stanga MD; Loris Pironi MD

**SUMMARY:**

European Society for Clinical Nutrition and Metabolism (ESPEN) guidelines for health care professionals about the indications and contraindications for the use of home enteral nutrition. These guidelines were developed from expert opinion and review of current evidence, and consists of 61 recommendations.

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## American Society for Parenteral & Enteral Nutrition Clinical Guidelines: The Validity of Body Composition Assessment in Clinical Populations

**PUBLICATION:** Journal of Parenteral and Enteral Nutrition

**PUBLISH DATE:** January 2020

**AUTHORS:**

Patricia Sheean PhD, RD; M. Cristina Gonzalez MD, PhD; Carla M. Prado PhD, RD; Liam McKeever PhD, RD; Amber M. Hall MPH; Carol A. Braunschweig PhD, RD

**SUMMARY:**

Systematic review conducted to evaluate the evidence available regarding the validity of body composition measures. A total of 7375 studies were reviewed for use of dual energy X-ray absorptiometry (DXA), ultrasound (US), and bioelectrical impedance analysis (BIA) in clinical populations. DXA is recommended for the assessment of fat mass in patients, and no recommendations can be made at this time to support the use of US or BIA in the clinical setting.

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## Update on Early Introduction of Peanut to Prevent Allergy Development: Challenges with Implementation

**PUBLICATION:** Current Allergy and Asthma Reports

**PUBLISH DATE:** 9 November 2019

**AUTHORS:**

Irene Mikhail MD; Ben T. Prince MD; David R. Stukus MD

**SUMMARY:**

While recent evidence has suggested early introduction of peanut into the diet to prevent allergy, challenges exist that prevent implementation of this concept. This case study explores the history of peanut allergy, recent topic research, and provides a case study of an Early Peanut Introduction clinic.

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