

**Academy of Nutrition and Dietetics
Evidence Analysis Library: Cystic Fibrosis Guideline (2020)**

Table 2. Inclusion and Exclusion Criteria

	Inclusion Criteria	Exclusion Criteria
Peer-Review Status	Articles accepted for evidence analysis must be peer-reviewed and published in a juried publication in a peer-reviewed section within the publication	Non-peer-reviewed articles, such as government reports, position statements, editorials, letters to the editor, etc.
Population	Humans: infants, children and adolescents (ages 0 – 17 years) and adults (aged 18+ years)	Animal studies.
Setting	Any setting	None excluded.
Health Status	Individuals with Cystic Fibrosis	Individuals without Cystic Fibrosis or at risk of Cystic Fibrosis
Nutrition-Related Problem/Condition	Malnutrition, including undernutrition and overweight/obesity CF-related diabetes Osteopenia/osteoporosis/bone disease/low bone mineral density Liver disease/hepatic steatosis Gastroesophageal reflux, GER Distal Intestinal Obstruction Syndrome (DIOS)/Constipation On CFTR modulators, PERT or prednisone Pregnant/pregnancy and breastfeeding/lactation Post-lung-transplant Any CF Mutation Type	None excluded.
Intervention/Exposure	Medical Nutrition Therapy with an RDN, Food or Dietary intake	Supplement intake
Study Design Preferences	Screening and Assessment questions: Diagnostic/ validity/reliability studies, studies comparing actual to estimated energy expenditure. MNT and Dietary Intake questions: RCT or clinical controlled studies, cohort studies, case control studies, observational and cross-sectional studies CFTR Modulation Therapy question: RCTs only	Narrative reviews. Case Studies. Systematic Reviews and Meta-analyses will be searched for primary research articles that may answer PICO questions.
Comparator	Open	Open
Minimum Study Duration	Open	Open
Size of Study Groups	≥10 per group	<10 per group
Study Drop Out Rate	≤30%	>30%
Outcomes	Screening and Assessment Questions: 1. Sensitivity, specificity 2. PPV, NPV 3. Bland Altman Plot 4. Intra or inter-rater reliability MNT and Dietary Intake Questions:	Anthropometric measures inappropriate for population (ex: BMI for children).

	Inclusion Criteria	Exclusion Criteria
	1. Mortality/survival 2. Quality of life 3. Lung/pulmonary function (FEV1, time to next pulmonary exacerbation) 4. Anthropometric Measures and Growth (BMI and weight for adults; percentiles and z-scores for pediatrics) 5. Morbidities (LOS, antibiotic use) 6. GI symptoms (constipation, diarrhea, loose stools, gas) 7. Lab measures (HbA1C-diabetes, lipid profile, vitamins AED levels, prothrombin time, anemia indices, EFA levels/status, zinc levels) CFTR Modulation Therapy Question: 1. Mortality 2. Quality of Life 3. FEV1	
Year Range	January 2002-May 2018	Prior to 2002 or after cut-off date of May 2018
Authorship	If an author is included on more than one article reporting the same outcomes from the same study, the most recent article will be accepted and earlier versions rejected (to avoid reporting outcomes for the same population twice)	NA
Language	Limited to articles in English	Articles published in languages other than English due to resource constraints.

Search Plans

Three separate searches were conducted for the systematic reviews supporting this guideline. Each search plan can be found under the respective systematic review research questions.