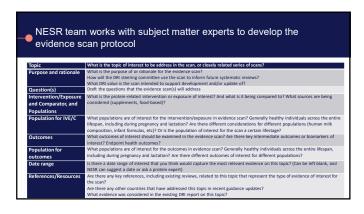


Purpose and rationale for conducting an evidence scan
 Inform protocol development
 Determine if there is enough evidence to conduct a systematic review and/or update an existing review
 Identify questions for subject matter experts
 Estimate resource requirements for future systematic reviews
 Does not answer the research question
 Does not involve risk of bias assessment, synthesis, or grading the strength of the evidence



Protein evidence scans conducted to informed future systematic review requirements (October 2021– February 2022)

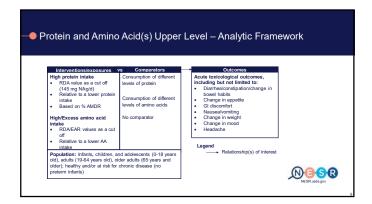
What is the relationship between high dietary protein intake and risk of acute toxicity?

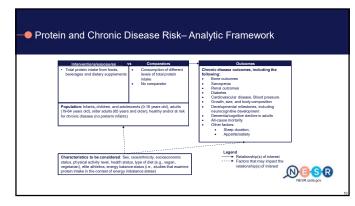
What is the relationship between high amino acid intake and risk of acute toxicity?

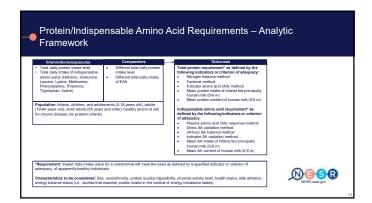
What is the relationship between dietary protein intake and risk of chronic disease?

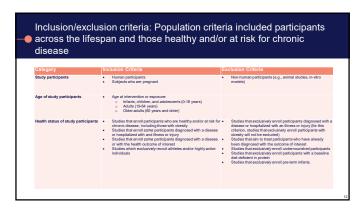
What is the average daily dietary protein intake requirement of apparently healthy individuals by life stage and sex?

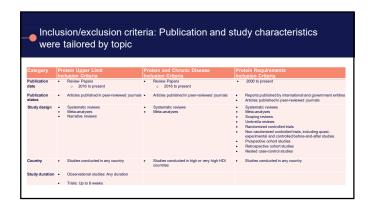
What is the average daily intake requirement for individual indispensable amino acids of apparently healthy individuals by life stage and sex?

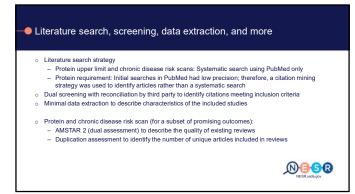




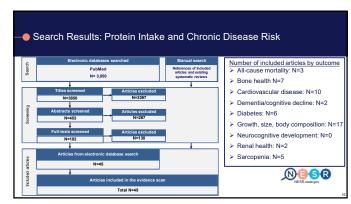


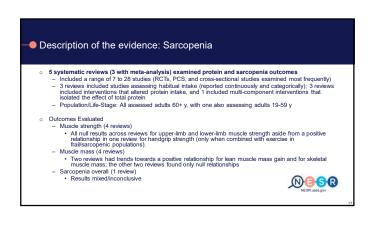




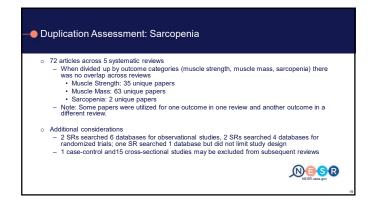


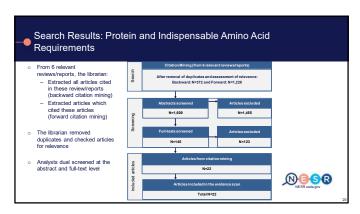


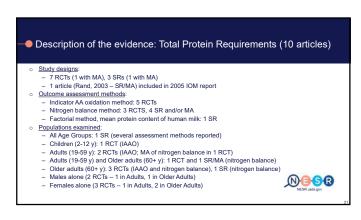












Description of the evidence: AA Requirements (12 articles)

Study designs: 11 RCTs, 1 NRCT (6 articles included in 2005 IOM report)
Populations examined: Adults (19-59 y) – 2 mixed population, 1 females alone, 9 males alone
Assassment Methods:
Not included in 2005 IOM report
Lysine: 1 RCT (IAAO, 24-h indicator AA balance)
Methionine: 2 RCTs (IAAO, 24-h indicator AA balance)
Valine: 1 RCT (IAAO, 24-h indicator AA balance)
Total BCAAs (isoleucine, leucine, valine): 2 RCTs (IAAO)
Included in 2005 IOM report
Leucine: 1 RCT (24-h AA balance, Direct AA oxidation, Nitrogen balance)
Lysine: 2 RCTs (IAAO, 24-h indicator AA balance), 1 NRCT (24-h AA balance, Direct AA oxidation)
Threonine: 2 RCTs (IAAO, 24-h indicator AA balance)
Threonine: 2 RCTs (IAAO, 24-h indicator AA balance)

