

SUPPLEMENTARY DATA

American Diabetes Association: **REVISED** PubMed Searches (*edits/additions are in red italics*)

Baseline Criteria for All Searches Except for Topic Area #16

(629 unique results across 16 topic areas – up from 497 unique results across 14 topic areas)

At least one of the following **subject headings** (*PubMed-assigned Major MeSH classification*) **Except for Topic Area #16: Plant-Based Protein and Kidney Disease**

- "Diabetes Mellitus" *Note: includes both Type 1 and Type 2*
- "Prediabetic State"

AND

At least one of the following terms in the **Title OR Abstract** field **Except for Topic Area #16: Plant-Based Protein and Kidney Disease**

- diabetes
- diabetic*
- prediabetes
- "pre-diabetes"
- prediabetic*
- "pre-diabetic"

AND

One of the following **publication types** (*PubMed-assigned classification*) **Except for Topic Area #16: Plant-Based Protein and Kidney Disease**

- Clinical Study
- Clinical Trial
- Randomized Controlled Trial
- Review
- Comparative Study
- Evaluation Studies
- Multicenter Study
- Twin Study
- Validation Studies
- **Meta-Analysis**

AND

At least one of the following terms in the **Title OR Abstract** field **Except for Topic Area #16: Plant-Based Protein and Kidney Disease**

- study
- studies
- trial
- trials
- review*

AND

Publication Date

- 2013-present



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AND

Species (*PubMed-assigned classification*) **Except for Topic Area #16 Plant-Based Protein and Kidney Disease**

- Humans

AND

Language

- English

AND

Ages (*PubMed-assigned classification*) **Except for Topic Area #16: Plant-Based Protein and Kidney Disease**

- Adult (19+)

NOT

None of the following terms in the **Title OR Abstract** field **Except for Topic Area #16: Plant-Based Protein and Kidney Disease**

- cancer
- gestational
- pregnan*
- inpatient*
- hospitaliz*
- “acute care”
- “insulin pump” (*except for Topic Areas #13-14: Mealtime Insulin*)
- “cgm” (*except for Topic Areas #13-14: Mealtime Insulin*)
- “continuous glucose monitoring” (*except for Topic Areas #13-14: Mealtime Insulin*)
- “metabolic syndrome”
- “observational case”

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Topic Area #1: **Nutrition Therapy (106 results – no change)**

Baseline criteria on p.1-2 (with “Meta-Analysis” publication type added)

AND

At least one of the following terms in the Title OR Abstract field

- "nutrition therapy"
- "nutritional therapy"
- "nutrition counseling"
- "nutrition education"
- "medical nutrition"
- "mnt"
- "diet counseling"
- "healthy eating"
- "healthful eating"
- "eating plan"
- "meal planning"
- "portion control"
- "plate method"
- "carbohydrate counting"
- "calorie counting"
- "mindful eating"
- "intuitive eating"
- "dsme"
- "diabetes self-management education"
- "diabetes self management education"

Topic Area #2: **Energy Balance (126 results – up from 123)**

Baseline criteria on p.1-2 (with “Meta-Analysis” publication type added)

AND

At least one of the following terms in the Title OR Abstract field

- "weight loss"
- "lose weight"
- "losing weight"
- "lost weight"

AND

At least one of the following terms in the Title OR Abstract field

- energy
- calori*
- diet
- diets
- dieting
- nutrition*



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Topic Area #3: **Macronutrients (51 results – up from 49*)**

Baseline criteria on p.1-2 (with “Meta-Analysis” publication type added)

AND

At least one of the following terms in the **Title OR Abstract** field

- macronutrient*
- carbohydrate* **AND** protein* **AND** (fat OR fats)

**A broader test search for (macronutrient* OR carbohydrate* OR protein* OR fat OR fats) yielded 837 results, so the existing “AND” operator was retained.*

Topic Area #4: **Eating Patterns (84 results – up from 82)**

Baseline criteria on p.1-2 (with “Meta-Analysis” publication type added)

AND

At least one of the following terms in the **Title OR Abstract** field

- eating
- eat
- eats
- dietary
- diet
- diets
- nutrition*

AND

At least one of the following terms in the **Title OR Abstract** field

- Mediterranean*
- “dash”
- “low fat”
- “low-fat”
- “low carbohydrate”
- “low-carbohydrate”
- “moderate carbohydrate”
- carbohydrate* **AND** (count OR counting)
- ketogenic
- “intermittent fasting”
- “paleo”
- vegan*
- vegetarian*
- flexitarian
- “plant-based”
- “plant based”
- “plate method”



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Topic Area #5: **Carbohydrates (155 results – up from 146)**

Baseline criteria on p.1-2 (with “Meta-Analysis” publication type added)

AND

At least one of the following terms in the **Title OR Abstract** field

- carbohydrate*
- starch*
- fiber*
- grain*
- fructose
- sucrose
- **“whole-grain”**

AND

At least one of the following terms in the **Title OR Abstract** field

- *glycemi*
- glucose*
- ***glycaemi***
- *Note: The “GI” and “GL” acronyms were not added to the search since they sometimes refer to gastrointestinal (GI), glucose intolerance (GI), glargine (GL), glucose-lowering (GL) or gongronema latifolium.*

Topic Area #6: **Protein (60 results – up from 55 results)**

Baseline criteria on p.1-2 (with “Meta-Analysis” publication type added)

AND

Protein in the Title OR Abstract field

AND

At least one of the following terms in the **Title OR Abstract** field

- dietary
- diet
- nutrition
- nutritional
- “plant-based”
- “plant based”
- “animal-based”
- “animal based”

AND

At least one of the following terms in the **Title OR Abstract** field

- *glycemi*
- ***glycaemi***
- glucose*



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Topic Area #7: **Fat (42 results – up from 40 results)**

Baseline criteria on p.1-2 (with “Meta-Analysis” publication type added)

AND

At least one of the following terms in the **Title OR Abstract** field

- fat
- fatty
- fats

AND

At least one of the following terms in the **Title OR Abstract** field

- dietary
- nutrition
- diet
- nutritional

AND

At least one of the following terms in the **Title OR Abstract** field

- MUFA*
- PUFA*
- monounsaturated
- polyunsaturated
- unsaturated*
- saturated
- “trans”
- interesterifi*
- “omega-3”
- “epa”
- “dha”
- “ala”
- “fish”

AND

At least one of the following terms in the **Title OR Abstract** field

- *glycemi*
- ***glycaemi***
- glucose*
- cardiovascular
- cholesterol

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Topic Area #8: **Supplements (21 results – up from 17 results)**

Baseline criteria on p.1-2 (with “Meta-Analysis” publication type added)

AND

At least one of the following terms in the **Title OR Abstract** field

- supplement
- supplementations
- supplements

AND

At least one of the following terms in the **Title OR Abstract** field

- dietary
- diet
- nutrition
- nutritional

AND

At least one of the following terms in the **Title OR Abstract** field

- micronutrient*
- vitamin*
- mineral*
- *oxidant*
- Herbs
- Herb
- Herbal
- Spice
- Spices
- Cinnamon
- Chromium
- Carotene
- Magnesium
- Zinc
- Copper
- Manganese
- Vanadium
- Thiamin
- Pyridoxine
- **Botanical***
- **Phytonutrient***
- **Phytochemical***
- **Selenium**
- **Leucine**
- **“Amino acid”**
- **“Amino acids”**
- **Anthocyanin***

AND

~~At least one of the following terms in the **Title OR Abstract** field~~

- ~~• ***glycemi***~~
- ~~• **glucose***~~
- ~~• **cardiovascular**~~
- **cholesterol**



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Topic Area #9: **Alcohol (15 results – up from 10 results)**

Baseline criteria on p.1-2 (with “Meta-Analysis” publication type added)

AND

At least one of the following terms in the **Title OR Abstract** field

- alcohol*
- *ethanol*

AND

At least one of the following terms in the **Title OR Abstract** field

- drink*
- consum*

AND

At least one of the following terms in the **Title OR Abstract** field

- *glycemi*
- **glycaemi**
- insulin

Topic Area #10: **Sodium (16 results – no change)**

Baseline criteria on p.1-2 (with “Meta-Analysis” publication type added)

AND

At least one of the following terms in the **Title OR Abstract** field

- sodium
- salt*

AND

At least one of the following terms in the **Title OR Abstract** field

- eat
- eats
- eating
- consum*
- dietary
- diet
- nutrition*

AND

At least one of the following terms in the **Title OR Abstract** field

- hypertensi*
- “blood pressure”



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Topic Area #11: Nonnutritive Sweeteners/NNS (7 results – no change)

Baseline criteria on p.1-2 (with “Meta-Analysis” publication type added)

AND

At least one of the following terms in the Title OR Abstract field

- “nonnutritive sweetener”
- nonnutritive sweeteners”
- “non-nutritive sweetener”
- “non-nutritive sweeteners”
- NNS*
- “artificial sweetener”
- “artificial sweeteners”
- “artificially sweetened”
- “sugar substitute”
- “sugar substitutes”
- (hypocalori* OR “non-caloric”) AND sweet*

Topic Area #12: Gastroparesis (10 results – no change)

Baseline criteria on p.1-2 (with “Meta-Analysis” publication type added)

AND

At least one of the following terms in the Title OR Abstract field

- dietary
- diet
- nutrition*

AND

At least one of the following terms in the Title OR Abstract field

- gastroparesis
- gastropathy
- “gastric emptying
- “delayed emptying”



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Topic Area #13: **Mealtime Insulin search 1 of 2 (30 results - up from 15 results)**

Baseline criteria on p.1-2 (with “Meta-Analysis” publication type added; no exclusion of CGM or insulin pump terms in the title/abstract fields)

AND

Insulin in the Title OR Abstract field

AND

At least one of the following terms in the Title OR Abstract field

- dosage*
- dosing
- dose*
- **“insulin pump”**
- **“insulin pumps”**
- **“CGM”**
- **“continuous glucose”**
- **“MDI”**
- **“multiple daily injections”**
- **“multiple daily injection”**

AND

At least one of the following terms in the Title OR Abstract field

- Meal
- Meals
- Mealtime
- **Bolus**
- **Premeal***
- **“Pre-meal”**
- **“Pre-meals”**

AND

At least one of the following terms in the Title OR Abstract field

- Eat
- Eats
- Eating
- Consum*
- dietary
- nutrition*
- protein
- proteins
- fat
- fats

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Topic Area #14 (NEW): Mealtime Insulin search 2 of 2 (125 results)

Baseline criteria on p.1-2 (with “Meta-Analysis” publication type added; no exclusion of CGM or insulin pump terms in the title/abstract fields)

AND

Insulin in the Title OR Abstract field

AND

At least one of the following terms in the Title OR Abstract field

- dosage*
- dosing
- dose*
- **“insulin pump”**
- **“insulin pumps”**
- **“CGM”**
- **“continuous glucose”**
- **“MDI”**
- **“multiple daily injections”**
- **“multiple daily injection”**

AND

At least one of the following terms in the Title OR Abstract field

- Meal
- Meals
- Mealtime
- **Bolus**
- **Premeal***
- **“Pre-meal”**
- **“Pre-meals”**

AND

At least one of the following terms in the Title OR Abstract field

- ~~Eat~~
- ~~Eats~~
- ~~Eating~~
- ~~Consum*~~
- ~~dietary~~
- ~~nutrition*~~
- ~~protein~~
- ~~proteins~~
- ~~fat~~
- ~~fats~~



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Topic Area #15: *Genetics/Personalized Nutrition/Microbiome (22 results – up from 17 results)*

Baseline criteria on p.1-2 (with “Meta-Analysis” publication type added)

AND

At least one of the following terms in the **Title OR Abstract** field

- nutrition*
- dietary

AND

At least one of the following terms in the **Title OR Abstract** field

- Microbiome*
- Genetic*
- Personaliz*
- **Genomic***
- **Proteomic***
- **Metabolomic***

Topic Area #16: *Plant-Based Protein and Kidney Disease (9 results)*

At least one of the following terms in the **Title OR Abstract** field

- “plant-based”
- “plant based”

AND

At least one of the following terms in the **Title OR Abstract** field

- protein
- proteins

AND

At least one of the following terms in the **Title OR Abstract** field

- “kidney disease”
- “kidney diseases”
- “CKD”

AND

Publication Date

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AND

Language

- English



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