

Impact of Energy Density on Energy Intake in Children and Adults – a Systematic Review and Meta-Analysis of Randomized Controlled Trials

Supplementary Information

European Journal of Nutrition

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Text S1 – Search strategy

Database	Search term
Pubmed	<pre>((((Manipulat*[tiab] OR Varying*[tiab] OR Variation*[tiab] OR Vary[tiab] OR Varied[tiab] OR Chang*[tiab] OR Alteration*[tiab] OR Alternating*[tiab]) AND "Energy Density"[tiab]) AND (Compar*[tiab] OR Group[tiab] OR control*[tiab] OR increase[tiab] OR decrease[tiab])) AND (("Energy Intake"[Mesh] OR Energy Intake[tiab] OR Caloric Intake[tiab] OR "Eating/physiology"[Mesh] OR Food Intake[tiab] OR macronutrient composition*[tiab] OR food composition*[tiab] OR nutrient composition*[tiab] OR laborator*[tiab] OR measure*[tiab] OR food setting*[tiab]) NOT ("Food Frequency Questionnaire"[tiab] OR FFQ[tiab]))) NOT ("Animals"[Mesh] NOT ("Humans"[Mesh] OR Human*[tiab])))</pre>
Web of Science	<pre>#1 ((Manipulat* OR Varying OR Variation* OR Vary OR Varied OR Chang* OR Alteration* OR Alternating*) AND (Energy NEXT Density)):ti,ab,kw #2 (Compar* OR Group OR control* OR increase OR decrease):ti,ab,kw #3 ([mh "Energy Intake"] OR ((Energy OR Caloric OR Food) NEXT Intake):ti,ab,kw OR (((macronutrient OR food OR nutrient) NEAR/3 composition*) OR laborator* OR measure* OR (food NEXT setting*)):ti,ab,kw) NOT (((Food NEXT Frequency NEXT Questionnaire*) OR FFQ):ti,ab,kw) #4 [mh "Animals"] NOT ([mh "Humans"] OR Human*:ti,ab,kw)</pre>

#5 #1 AND #2 AND #3

#6 #5 NOT #4

Cochrane Library

#1 TS=((Manipulat* OR Varying OR Variation* OR Vary OR Varied OR Chang* OR Alteration* OR Alterning*) AND "Energy Density" AND (Food OR Eating OR Nutrition OR Meal*))

#2 TS=(Compar* OR Group OR control* OR increase OR decrease)

#3 TS=(((((Energy OR Caloric OR Food) NEAR/0 Intake) OR ((macronutrient OR food OR nutrient) NEAR/3 composition*) OR laborator* OR measure* OR "food setting*") NOT ("Food Frequency Questionnaire*" OR FFQ))

#4 TS=(Animal* NOT (Human* OR Patient* OR Women OR Woman OR Man OR Men OR Child OR Children))

#5 #1 AND #2 AND #3

#6 #5 NOT #4

Ovid

1 ((Manipulat* or Varying or Variation\$ or Vary or Varied or Chang* or Alteration\$ or Alterning*).ti,ab.) and (Energy.ti,ab. adj Density.ti,ab.)

2 (Compar* OR Group OR control* OR increase OR decrease).ti,ab.

3 (exp Energy Intake/ or exp Eating/ph or ((Energy or Caloric or Food).ti,ab. adj Intake.ti,ab.) or ((macronutrient or food or nutrient).ti,ab. adj3 composition\$.ti,ab.) or (laborator* or measure*).ti,ab. or (food.ti,ab. adj setting\$.ti,ab)) not ("Food Frequency Questionnaire\$".ab,ti. or FFQ.ab,ti.)

4 (exp Animals/ or animal\$.ti,ab.) not (exp Humans/ or Human\$.ti,ab.)

5 1 and 2 and 3

6 5 not 4

Figure S1 Quantitative analysis of the effects of age (adults versus children) on energy intake of randomized controlled crossover trials in humans receiving either lower energy density (ED) or higher ED diets

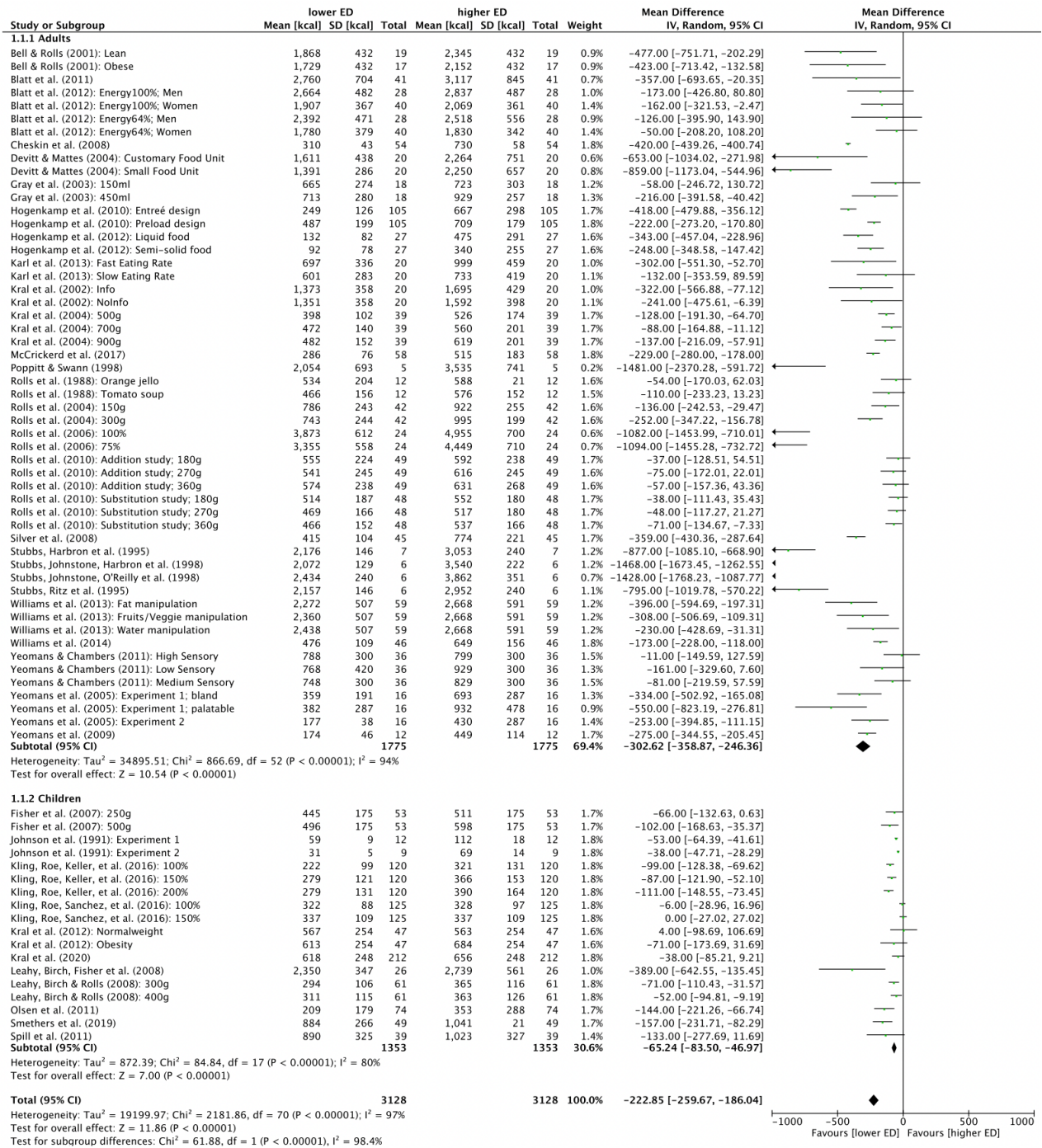


Figure S2 Quantitative analysis of the effects of meal type (preload versus entrée) on energy intake of randomized controlled crossover trials in humans receiving either lower energy density (ED) or higher ED diets

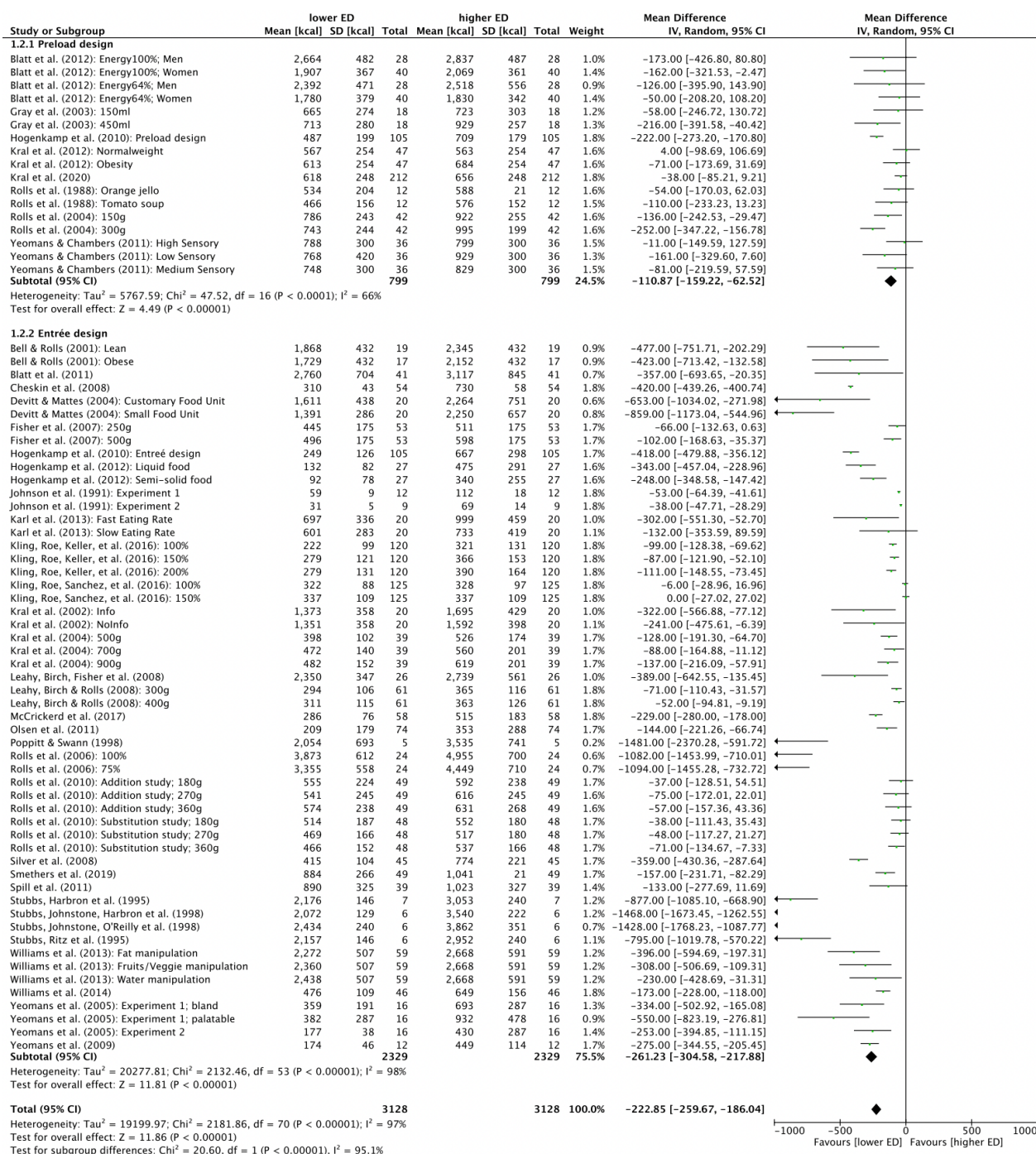


Figure S3 Quantitative analysis of the effects of intervention length (1 meal intervention versus > 1 meal intervention) on energy intake of randomized controlled crossover trials in humans receiving either lower energy density (ED) or higher ED diets

