

Trending Diet Hot Sheet

# Low-Carb / Keto

# What is a low carbohydrate and/or ketogenic (keto) diet?

Restriction of carbohydrate intake at varying levels while promoting higher intakes of protein and fat.

**PURPOSE / MECHANISM** - induces nutritional ketosis<sup>3</sup>

Forces body to use fat instead of the preferred carbohydrates as main energy source

# Perceived health benefits & scientific evidence

Most current research conducted with low-carbohydrate diets



#### Weight loss/gain

low-carb diets

Some evidence for significant weight loss likely related to lower calorie intake, but results not significantly different when compared to other lower calorie diets 1,6-8



#### **Heart disease**

low-carb diets

Some evidence for significant improvements in cardiovascular risk factors (likely related to weight loss), but unclear if improvement is significantly different compared to other diets 1,8



#### Type 2 diabetes

low-carb diets

Some evidence for significant improvements in some measures of diabetes management in the short-term (likely related to weight loss), but changes were not significant in long-term or compared to diets with similar calorie levels<sup>1,8</sup>



#### **Neurological conditions**

keto diets

Limited, low-quality evidence for association with short-term seizure reduction in children (and some adults) with drug-resistant epilepsy



### Rules

Recommendations for % daily calories from each macronutrient by diet

	Carbohydrates	Protein	Fat
Low-Carb	~25%	40-50%	30-40%
<b>Keto</b> (very low-carb)	5-10%	20-25%	70-80%
Normal (Dietary Guidelines for Americans)	45-65%	10-35%	20-35%

## **Nutrition considerations**

Diet quality compared to normal control diet 1





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