

Very Low-Calorie Diets

A very low-calorie diet (VLCD) is not just any diet that is low in calories. It is a special type of diet that replaces all of your meals with prepared formulas, often in the form of liquid shakes. A VLCD may be used for a short time to promote quick weight loss among some people who are considered to be obese. The diet requires close care from your doctor and is usually combined with other ways to lose weight.

This fact sheet will tell you more about the risks and benefits of this type of diet. **Do not go on a VLCD on your own.** If you need to lose weight, talk to your health care provider about the approaches that may work best for you.

What is a VLCD?

A VLCD is a special diet that provides up to 800 calories per day. VLCDs use commercial formulas, usually liquid shakes, soups, or bars, which replace all your regular meals. These formulas are not the same as the meal replacements you can find at grocery stores or pharmacies, which are meant to replace one or two meals a day.

Depending on a number of factors, healthy adults need different amounts of calories to meet their daily energy needs. A standard amount is about 2,000 calories. VLCDs provide far fewer calories than most people need to maintain a healthy weight. This type of diet is used to promote quick weight loss, often as a way to jump-start an obesity treatment program. VLCD formulas are designed to provide all of the nutrients you need while helping you lose weight quickly. However, this type of diet should only be used for a short time—usually about 12 weeks.

Should I use a VLCD to lose weight?

Most people who need to lose weight should not use a VLCD. For many of them, a low-calorie diet (LCD) may work better.

VLCDs may be used to promote rapid weight loss among adults who have obesity. Health care providers must review risks and benefits on a case-by-case basis.

In general, VLCDs are not appropriate for children. In a few cases, they may be used with some adolescents who are being treated for obesity.

Not much is known about the use of VLCDs to promote weight loss among older adults. Some people over age 50 may have medical issues that may not make them good candidates for this type of diet.

What are the health benefits of a VLCD?

A VLCD may allow you to lose about 3 to 5 pounds per week. This may lead to an average total weight loss of 44 pounds over 12 weeks. Such a weight loss can rapidly improve medical conditions linked to obesity, including diabetes, high blood pressure, and high cholesterol.

The rapid weight loss experienced by most people on a VLCD can be very motivating. Patients who participate in a VLCD program that also includes lifestyle changes may lose about 15 to 25 percent of their initial weight during the first 3 to 6 months. They may maintain a 5 percent weight loss after 4 years if they adopt a healthy eating plan and physical activity habits.

What are the health risks of a VLCD?

Doctors must monitor all VLCD patients regularly—ideally every 2 weeks in the initial period of rapid weight loss—to be sure patients are not experiencing serious side effects.

Document 13.1 Original Fact Sheet About VLCDs

Many patients on a VLCD for 4 to 16 weeks report minor side effects such as fatigue, constipation, nausea, or diarrhea. These conditions usually improve within a few weeks and rarely prevent patients from completing the program.

The most common serious side effect is gallstones. Gallstones, which often develop in people who are obese, especially women, may be even more commonly developed during rapid weight loss. Some medicines can prevent gallstones from forming during rapid weight loss. Your health care provider can determine if these medicines are appropriate for you.

Will I regain the weight?

Although the long-term results of VLCDs vary widely, weight regain is common. To prevent weight regain, the VLCD should always be combined with other ways to lose weight and with an active follow-up program.

For most people who have obesity, the condition is long term and requires a lifetime of attention even after formal methods to treat the obesity end. You may need to commit to permanent changes of healthier eating, regular physical activity, and an improved outlook about food.

Source: U.S. Department of Health and Human Services, 2012: *Very low-calorie diets* [NIH

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http://win.niddk.nih.gov/publications/low_calorie.htm.