

What Obesity Is

These myths reflect moral judgment, stigma, and misunderstanding of obesity as a chronic disease.

MYTH

VS

FACT

-  **Obesity is about willpower.**
-  **People with obesity are lazy.**
-  **Obesity isn't a real disease.**
-  **Talking about weight is always motivating.**

-  Obesity is a complex, chronic disease influenced by genetics, environment, biology, psychology, medications, and social determinants, not just behavior.
-  This is a harmful stereotype. Many individuals with obesity are highly motivated and active, but face metabolic adaptations, hormonal changes, and systemic barriers.
-  Major medical organizations recognize obesity as a chronic, progressive, relapsing disease that warrants medical treatment not moral judgment.
-  Uninvited or stigmatizing discussions can be harmful. Respectful, permission-based, patient-centered communication is essential.

Always individualize treatment plans, use respectful language and focus on health beyond weight loss.

For more information on the VA/DoD Clinical Practice Guideline for the Management of Adult Overweight & Obesity visit: <https://www.health.mil/About-MHS/MHS-Elements/DVPO/VADOD-CPGs>



Measurement & Appearance (BMI, Body Fat, Visual Bias)

These myths stem from overreliance on BMI and visual assumptions.

MYTH

VS

FACT

 **BMI tells you everything you need to know.**

 **A high BMI always means excess body fat.**

 **A normal BMI means there is no excess body fat.**

 **High muscle mass means there is no increased adiposity.**

 **You can tell someone's health just by looking at them.**

 BMI is a screening tool, not a diagnostic measure. It does not assess fat distribution, muscle mass, or metabolic health.

 BMI does not distinguish fat from lean mass and may misclassify individuals with high muscle mass or fluid retention.

 Some individuals have excess visceral or ectopic fat despite normal BMI ("normal-weight obesity"), increasing cardiometabolic risk.

 High lean mass does not exclude excess visceral or ectopic adipose tissue.

 Weight and appearance do not reliably reflect metabolic health or disease risk.



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Health Impact & Risk Attribution

These myths promote diagnostic anchoring and clinical oversimplification.

MYTH

VS

FACT

- ❌ **Obesity is the cause of all a patient's health conditions.**
- ❌ **You can't be fit and obese.**
- ❌ **All people with obesity want to lose weight.**

- ✅ Obesity raises health risks, but not every illness is caused by weight. Focusing only on weight can delay finding the real problem. Every concern deserves careful evaluation.
- ✅ Some people with obesity are active, fit, and metabolically healthy. Physical fitness improves health, even without weight loss.
- ✅ Not everyone with obesity wants to focus on weight loss. Some people care more about feeling better, moving easier, or having more energy. Healthcare providers should respect each person's goals.



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Weight Loss Outcomes & Maintenance

These myths foster nihilism and treatment avoidance.

MYTH

VS

FACT

✘ You must reach a 'normal' weight to see health benefits.

✔ Clinically meaningful improvements occur with modest weight loss (5–10%), well before a normal BMI.

✘ Slow, gradual weight loss is always better than rapid weight loss.

✔ Both can be effective; early larger weight loss may predict better long-term outcomes when part of a structured program.

✘ Once you lose weight, it's easy to keep it off.

✔ Physiological adaptations increase hunger and lower energy expenditure, making maintenance difficult without support.

✘ Weight-loss efforts are unhealthy because weight will return.

✔ Intentional weight loss improves health even if some regain occurs; untreated obesity carries greater long-term risk.

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Causes of Obesity (Oversimplification Myths)

These myths reduce obesity to single causes and ignore biology.

MYTH

VS

FACT

- ❌ **Obesity is always the result of overeating.**
- ❌ **Obesity is solely due to eating too much.**
- ❌ **Obesity is unrelated to the caloric content of food.**
- ❌ **Individuals with obesity have a low metabolism.**
- ❌ **Body weight set point cannot be altered.**

- ✅ Medications, sleep, stress, trauma, endocrine disorders, food insecurity, and neurohormonal regulation all contribute.
- ✅ Obesity is multifactorial and not explained by caloric intake alone.
- ✅ Energy balance matters, but weight regulation is influenced by absorption, thermic effect, food quality, NEAT, sleep, stress, and the microbiome.
- ✅ Absolute resting metabolic rate is often higher due to greater body mass, but adaptive metabolic slowing after weight loss increases regain risk.
- ✅ While biologic defenses exist, pharmacotherapy, metabolic surgery, and sustained interventions can shift weight regulation pathways.



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Treatment Effectiveness & Expectations

These myths create unrealistic or harmful expectations about treatment.

MYTH

VS

FACT

✘ All you need is diet and exercise.

✘ Increasing physical activity is the most efficient way to lose weight.

✘ Low-fat or low-carbohydrate diets are the best way to lose body fat.

✘ If someone isn't losing weight, they must not be trying.

✔ Lifestyle changes are foundational but often insufficient alone; many patients benefit from medications or procedures.

✔ Exercise is critical for health and weight maintenance, but dietary intervention has greater impact on initial weight loss.

✔ No single diet is superior for all patients; adherence and sustainability matter most.

✔ Metabolic adaptation, medications, stress, and inflammation can blunt weight loss despite adherence.

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Medical & Surgical Therapy Myths

These myths reinforce stigma around evidence-based treatment.

MYTH

VS

FACT



Obesity medications are dangerous or ineffective



Weight-loss surgery is the easy way out.



Weight loss surgery is only for 'severe' obesity or after 'failing' other treatments.



FDA-approved medications are evidence-based and can produce 10–20%+ weight loss with metabolic benefits under supervision.



Weight-loss surgery and procedures are proven medical treatments for obesity. They are not an 'easy fix' and require lifelong healthy habits and medical follow-up.



Bariatric surgery and procedures are evidence-based therapies chosen by risk and benefit, not failure, and may be appropriate for patients with BMI ≥ 35 kg/m² or BMI 30–34.9 kg/m² with diabetes or metabolic disease, within a comprehensive, multidisciplinary care model.



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