

Fact Sheet

Protect Child Health in Connecticut

SB 227 COULD SAVE LIVES AND MILLIONS OF DOLLARS FOR CONNECTICUT



The Problem



- **Youth are at risk.** A new study by Hall et al. found that nearly 1 in 10 adolescents have used ineffective and potentially harmful over-the-counter diet pills and similar products misused for weight loss in their lifetimes. Prevalence of use among adolescents was 2.0% in the past week, 4.4% in the past month, 6.2% in the past year, and 8.9% in their lifetime. ⁽¹⁾
- **Dangerous products.** Weight-loss and muscle-building dietary supplements carry serious risks, including organ failure, heart attack, stroke, testicular cancer, and even death. ⁽²⁻⁵⁾ Too often they contain illegal steroids, pharmaceutical drugs, or heavy metals. ⁽⁶⁾ The American Academy of Pediatrics strongly cautions against teens using over-the-counter diet pills ⁽⁷⁾ or muscle-building supplements ⁽⁸⁾ for any reason.
- **Weak federal regulation.** Supplements are taken off shelves by the Food and Drug Administration only after reports of serious injury. ⁽⁹⁾ In 2015, attorneys general of 14 states joined in a [letter](#) to Congress seeking a federal investigation into dietary supplements, ⁽¹⁰⁾ but still no federal action has been taken. Connecticut's youth need greater protection now.



Urgent Action Needed by Connecticut Lawmakers



- **Protect young people from the dangers of over-the-counter diet pills and muscle-building supplements. If signed into law, SB 227** would ban the sale of over-the-counter diet pills and muscle-building supplements to minors under 18 years old, as already done for other dangerous products such as tobacco and pseudoephedrine. New York State has already passed a similar law, which took effect in April 2024.



Two Studies by Brandeis Economists Estimate Very Low, One-time Implementation Cost but Millions in Savings From Protective Effects



- **A study examining similar legislation from Massachusetts aimed to evaluate the value of implementing a state-level ban on sale of over-the-counter diet pills and muscle-building supplements to minors.**
 - The study gathered data through key informant interviews and public data on state websites.
 - The study considered minimum, best, and maximum values for state personnel time and salaries needed for all key provisions of the legislation.
- **The study found one-time implementation opportunity cost** estimated to be **only \$47,536**, which is less than a starting salary of a state administrative staff position. ⁽¹¹⁾
- **A second study estimated the cost-effectiveness of similar legislation in Massachusetts and likely effects on health equity.**
 - They found similar legislation would prevent **57,034 eating disorder cases** and **more than 46,000 other adverse medical events** over 30 years.
 - Also it would yield **annual healthcare savings of \$14 million** and **societal savings of \$30 million**.
- Health equity analysis showed results were **as beneficial or even more so for Latine & Black youth compared to their White counterparts.** ⁽¹²⁾

Given the bill's strong potential to provide urgently needed protection for youth and the estimated low cost of implementation, we urge your support for SB 227.

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Protect the Health of Connecticut's Children

References

1. [Hall NY, Hetti Pathirannahalage DM, Mihalopoulos C, Austin SB, Le L. Global Prevalence of Adolescent Use of Nonprescription Weight-Loss Products: A Systematic Review and Meta-Analysis. JAMA Netw Open. 2024;7\(1\):e2350940.](#)
2. [Abdel-Rahman A, Anyangwe N, Carlacci L, et al. The Safety and Regulation of Natural Products Used as Foods and Food Ingredients. Toxicological Sciences. 2011;123\(2\):333-348.](#)
3. [Fong TL, Klontz KC, Canas-Coto A, et al. Hepatotoxicity Due to Hydroxycut: A Case Series. American Journal of Gastroenterology. 2009;105\(7\):1561-1566.](#)
4. [Grundlingh J, Dargan PI, El-Zanfaly M, Wood DM. 2,4-Dinitrophenol \(DNP\): A Weight Loss Agent with Significant Acute Toxicity and Risk of Death. Journal of Medical Toxicology. 2011;7\(3\):205-212.](#)
5. [Guyda HJ. Use of Dietary Supplements and Hormones in Adolescents: A Cautionary Tale. Pediatric Child Health. 2005;10\(10\):587-590.](#)
6. [Cohen PA. Hazards of Hindsight – Monitoring the Safety of Nutritional Supplements. New England Journal of Medicine. 2014;370\(14\):1277-1280.](#)
7. [Golden NH, Schneider M, Wood C. Preventing Obesity and Eating Disorders in Adolescents. Pediatrics. 2016;138\(3\).](#)
8. [Labotz M, Griesemer B, Brenner J, LaBella C, Brooks M, Diamond A, Nementh B, Pengel B, Hennrikus W. Use of Performance-Enhancing Substances. Pediatrics, 2016; 138 \(1\)](#)
9. [Pomeranz JL, Barbosa G, Killian C, Austin SB. The Dangerous Mix of Adolescents and Dietary Supplements for Weight Loss and Muscle Building. Journal of Public Health Management and Practice. 2015;21\(5\):496503.](#)
10. [State Attorneys General \(2015\) A Communication from the Chief Legal Officers of the Following States and Territories: Connecticut, District of Columbia, Hawaii, Idaho, Indiana, Iowa, Kentucky, Massachusetts, Mississippi, New Hampshire, New York, Northern Mariana Islands, Pennsylvania, Rhode Island. Available at: <https://www.hsph.harvard.edu/striped/wp-content/uploads/sites/1267/2015/09/Attorneys-General-Letter-on-Dietary-Supplements1.pdf>](#)
11. [TschampL CA, Lee MR, Raffoul A, Santoso M, Austin SB. Economic Value of Initial Implementation Activities for Proposed Ban on Sales of Over-The-Counter Diet Pills and Muscle-Building Supplements to Minors. AJPM Focus. 2023 Apr 29;2\(3\):100103.](#)
12. [TschampL C, Tabata-Kelly M, Lee M, Soranno E, Barman U, Raffoul A, Austin SB. Economic and Equity Evaluation of Age Restrictions on Over-the-Counter Diet and Muscle-Building Supplements. Health Affairs Scholar 2025; 3\(1\).](#)

Given the bill's strong potential to provide urgently needed protection for youth and the demonstrated low cost of implementation, we urge your support for SB 227.