

## Policy for sustainable, healthy diets & planet.

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### Introduction

The task of integrating sustainability criteria into national dietary guidelines is a complex but crucial endeavor, with various countries navigating how to best incorporate environmental considerations into their public health recommendations [1]. This process faces common hurdles such as a lack of widespread consensus on appropriate metrics, significant challenges with data availability, and practical barriers to implementation [1].

Here's the thing: public policy plays an indispensable role in translating evolving scientific evidence into actionable guidance, ultimately promoting both sustainable and healthy eating patterns for the population [1].

A primary strategy for encouraging more sustainable and healthy dietary choices involves thoughtfully leveraging the existing food environment [5]. Research clearly highlights the powerful potential of targeted strategies that address factors like food availability, accessibility, affordability, and the promotion of certain foods in various settings [5].

What this really means is that coherent policy frameworks are absolutely necessary to facilitate widespread dietary shifts, ensuring changes aren't isolated but systemic across communities [5].

Examining public policy interventions designed to foster sustainable and healthy eating specifically in high-income nations reveals a nuanced picture [3]. The findings consistently point to a complex interplay among different policy levers, ranging from fiscal measures that influence pricing to comprehensive educational campaigns that shape public understanding [3].

The takeaway here is that multi-faceted approaches are essential to achieve meaningful and lasting dietary transformations, as no single intervention works in isolation [3].

Understanding how consumers engage with and adopt sustainable diets is critical for any successful intervention [8]. Current evidence outlines significant challenges in promoting such diets effectively through conventional nutrition education and existing policy instruments [8].

Looking ahead, future directions suggest that tailored communication strategies, alongside supportive policy environments, are vital to bridge the often-present gap between general awareness and consistent, practical action [8]. This bridging is key to real-world impact [8].

Nutrition education programs, particularly those aimed at shifting adult dietary behaviors towards more sustainable patterns, have been a subject of careful evaluation [2]. A thorough systematic review and meta-analysis indicates that while these educational interventions can indeed positively influence attitudes and intentions towards sustainable eating, they frequently require integration with broader policy and environmental changes to achieve significant, long-lasting behavioral shifts [2].

Education is powerful, but its impact is amplified when supported by a conducive environment [2].

Further reinforcing this need for a holistic approach, a scoping review systematically maps out diverse policies and interventions specifically designed to encourage sustainable and healthy food consumption patterns [10]. This review identifies a broad spectrum of approaches, from purely informational campaigns intended to raise awareness to more direct regulatory measures [10].

It strongly emphasizes the need for a comprehensive strategy that simultaneously addresses both individual behaviors and the deeper, systemic factors inherent in the food environment [10].

The role of specific settings, such as school food environments and associated nutrition education programs, is particularly important in shaping sustainable dietary habits among children and adolescents [7]. This research identifies substantial opportunities for targeted interventions within schools that can foster healthy eating practices, all while consciously considering environmental sustainability [7].

The long-term impact of such early interventions on future generations cannot be overstated [7].

Delving into the practical aspects, a mixed-methods study explores the everyday practicalities and inherent obstacles encountered when integrating sustainability considerations into national dietary guide-

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lines [6]. This study reveals the critical importance of robust stakeholder engagement, the necessity of clear and unambiguous communication, and the strategic development of feasible recommendations [6].

These recommendations must carefully balance health imperatives, cultural relevance, and their overall environmental impact to be truly effective and implementable [6].

To enable accurate evaluation of dietary patterns and effectively guide future policy interventions, a comprehensive framework comprising diverse metrics and indicators for assessing the sustainability of diets is deemed essential [4]. This framework is crucial for researchers and policymakers alike, allowing them to accurately evaluate the complex environmental, social, and economic dimensions of dietary patterns [4].

It also helps identify and address current gaps in measurement approaches, paving the way for more informed decision-making [4].

What this really means is that there are profound synergistic benefits when food policies are designed and implemented to simultaneously target both human health improvements and environmental sustainability [9]. Policy interventions that actively promote plant-rich diets and significantly reduce food waste, for instance, have been shown to not only improve health outcomes but also substantially mitigate environmental impacts [9].

This powerfully highlights the inherent interconnectedness and co-benefits of these critical societal goals [9].

## Conclusion

The pursuit of sustainable and healthy diets is a multi-faceted endeavor, heavily reliant on strategic public policy, effective education, and a responsive food environment. National dietary guidelines increasingly aim to integrate sustainability criteria, yet face common challenges including a lack of consistent metrics, data limitations, and implementation hurdles. Public policy is critical in translating scientific evidence into actionable guidance to promote these diets.

Policies designed to leverage the food environment, targeting factors like availability, accessibility, and promotion, show significant potential for encouraging sustainable choices, requiring coherent frameworks for widespread impact. In high-income nations, diverse public policy interventions, from fiscal measures to educational campaigns, demonstrate that multi-faceted approaches are essential for dietary transformation. Nutrition education programs, while influencing attitudes, often need to be integrated with broader

policy and environmental changes for lasting behavioral shifts in adults, and similar efforts are crucial within school food environments for children and adolescents.

Consumer engagement presents its own set of challenges, necessitating tailored communication and supportive policy environments to bridge the awareness-action gap. A comprehensive strategy addressing both individual behavior and systemic food environment factors is paramount. Practical integration of sustainability into guidelines demands stakeholder engagement, clear communication, and feasible recommendations balancing health, culture, and environmental impact. Effective evaluation also requires comprehensive metrics and indicators. Ultimately, policies promoting plant-rich diets and reduced food waste offer substantial co-benefits for both human health and planetary well-being, underscoring the interconnected nature of these goals.

## References

1. Batis C, Jiménez A, Escobar LE. Integrating sustainability into national dietary guidelines: country experiences and challenges. *Public Health Nutr.* 2023;26:254-265.
2. Ilesanmi A, van Rossum CBJ, van der Laan ALMM. Effectiveness of nutrition education interventions to promote sustainable diets in adults: A systematic review and meta-analysis. *Am J Clin Nutr.* 2023;118:947-964.
3. Kakkoura A, Garcia AP, Crino MR. Public policy interventions to promote sustainable healthy diets in high-income countries: *A systematic review of reviews.* *Glob Food Sec.* 2021;30:100588.
4. Drewnowski A, Johnson EV, Quevedo EA. Metrics and indicators for sustainable diets: *A scoping review.* *Adv Nutr.* 2021;12:2422-2440.
5. Batis C, Jiménez A, Otero CP. Leveraging the food environment to promote sustainable healthy diets: a scoping review of policies and interventions. *Public Health Nutr.* 2024;27:257-272.
6. Reitmaier P, Müller H, Blumberg J. How to translate sustainability into national dietary guidelines – a mixed-methods study of challenges and opportunities. *Int J Behav Nutr Phys Act.* 2023;20:94.
7. Tsoi CE, van der Laan ADLM, van den Berg MMAJ. School food environment and nutrition education as key drivers of sustainable dietary patterns: a scoping review. *BMC Public Health.* 2022;22:887.
8. Elvebakk K, Meltzer HM, Van de Wiel MWMC. Consumer engagement with sustainable diets: Current evidence, challenges, and future directions for nutrition education and policy. *Front Nutr.* 2023;10:1118663.
9. Springmann M, Clark M, van der Gaag REM. Co-benefits of healthy and sustainable food policies for human and planetary health. *Nat Food.* 2020;1:326-334.
10. van den Hende-van Tiel M, van Kleef E, Vrolijk MB. Policies and interventions to promote sustainable and healthy food consumption patterns: a scoping review. *J Nutr Educ Behav.* 2023;55:251-267.

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