

An Online Randomized
Controlled Trial Comparing
Front-of-package Nutrient
Labels on Consumer
Understanding, Perceptions,
and Behavior

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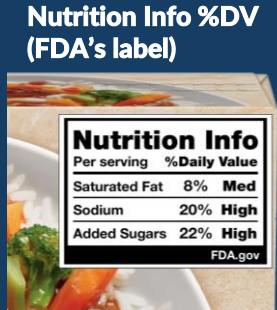
BACKGROUND

- Packaged foods are the source of most added sugars, sodium, and saturated fat (“nutrients of concern”)
- Overconsumption of nutrients of concern increases chronic disease risk
- Front-of-package labels (FOPLs) are a promising intervention to inform consumers and promote public health
- Unlike many other countries, the US does not have a mandatory FOPL
- In January 2025, FDA published a proposed rule for a mandatory FOPL
- There is a need to test FDA’s label (Nutrition Info %DV) against other FOPL schemes (e.g., High In)

METHODS

- Large online RCT with 5 conditions: No-label control and 4 FOPL schemes (center panel)
- Participants viewed real products labeled according to assigned scheme
- Outcomes: Consumer understanding of nutrient profiles and content, perceived healthfulness of unhealthy products, and food selections in a shopping task

A **Multi High In** front-of-package label resulted in a **high level of consumer understanding**, helped consumers make **quick assessments**, and **healthier food selections**.



RESULTS

- N=13,929 adults approximating US distributions of sex, education, race and ethnicity, and age
- All FOPL schemes substantially improved consumer understanding and behavior compared to control
- **Nutrition Info Red** and **Multi High In** outperformed **Nutrition Info %DV** in consumer understanding outcomes
- **Nutrition Info Red** tended to have higher perceived healthfulness of unhealthy products relative to control and other schemes
- **Multi High In** significantly reduced the risk of participants selecting a high-in food for themselves in a shopping task
- **Multi High In** produced the fastest response times, while **Nutrition Info %DV** resulted in the slowest

TAKEAWAY

The FDA’s label tended to underperform and, based on these results, a **Multi High In** scheme, which is already implemented in many Latin American countries, should be considered in the design of a mandatory FOPL.

ACKNOWLEDGEMENTS: This research was jointly supported by Healthy Eating Research, a national program of the Robert Wood Johnson Foundation, and grant 2020–85774 from Bloomberg Philanthropies’ Food Policy Program (www.bloomberg.org). S.D. Brown also received support from National Institutes of Health grants K26 DK138246 and P30 DK092924.