

# Meeting Sugar Reduction Goals for Dental Caries Prevention

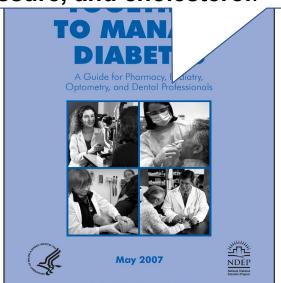
Health Care Providers and Educators Focus

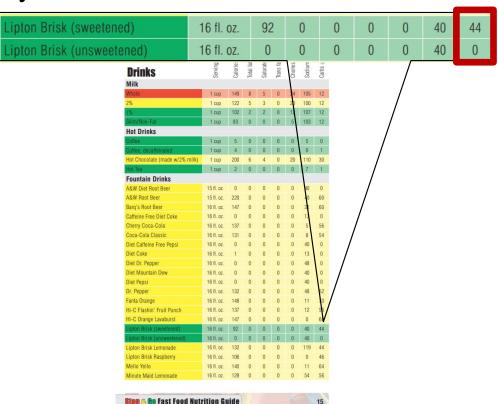
Cristin Kearns, DDS, MBA PhD(c) Associate Professor Department of Preventive and Restorative Dental Sciences Philip R. Lee Institute for Health Policy Studies



# Losing Trust in Dietary Guidelines - 2007

"Increasing fiber and limiting saturated fats and salt will help control blood glucose, blood pressure, and cholesterol."









 1,000- Number of scientific papers dispelling sugar of links to diabetes, hypertension, behavior problems, and obesity





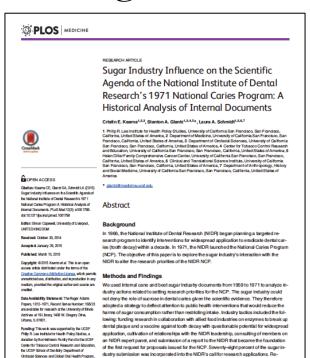


- In 1986, the FDA Sugars Task Force, in a review of 1,000 scientific papers, reported scientific evidence clears sugars of links with diseases including diabetes, hypertension, behavior and obesity.
- The 1989 National Academy of Sciences Report on Diet and Health stated that for those with an adequate diet, sugar consumption has not been established as a risk factor for any chronic disease.
- In 2002, the National Academy of Sciences
  concluded that there was insufficient evidence to set
  an upper level for sugar intake. The study found "no
  clear and consistent association between increased
  intakes of added sugars and [body mass index]."
- As an all-natural carbohydrate, sugar contains only
   4 calories in every gram, the same as protein.



# Investigating the Sugar Industry





National histotrice Dental and Cranica dail Research search that could have been harmful to sugar industry interests was omitted from priorities

PLOS Medicine | DOI:10.1371/journal.pmed.1001798 | March 10, 2015

#### **Special Communication**

November 2016

### Sugar Industry and Coronary Heart Disease Research

# A Historical Analysis of Internal Industry Documents

Cristin E. Kearns, DDS, MBA<sup>1,2</sup>; Laura A. Schmidt, PhD, MSW, MPH<sup>1,3,4</sup>; Stanton A. Glantz, PhD

» Author Affiliations | Article Information

JAMA Intern Med. 2016;176(11):1680-1685. doi:10.1001/jamainternmed.2016.5394

Editorial Commen Related Articles

Author

#### **Abstract**

Early warning signals of the coronary heart disease (CHD) risk of sugar (sucrose) emerged in the 1950s. We examined Sugar Research Foundation (SRF) internal documents, historical reports, and statements relevant to early debates about the dietary causes of CHD and assembled findings chronologically into a narrative case study. The SRF sponsored its first CHD research project in 1965, a literature review published in the New England Journal of Medicine, which singled out fat and



### Losing Trust in American Dental Association - 2015



VS.

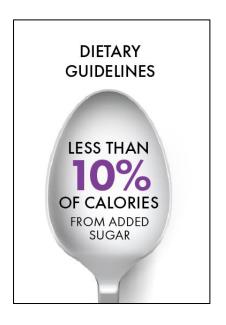


The American Dental Association has similarly cautioned against the "growing popularity of singling-out sugar-sweetened beverages" because "the evidence is not yet sufficient to single out any one food or beverage product as a key driver of dental caries."

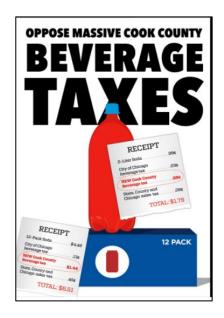
American Dental Association on the Scientific Advisory Report of the 2015 Dietary Guidelines Advisory Committee at 6 (May 8, 2015) --- As cited by U.S. Court of Appeals for the Ninth Circuit



## Policy Pathways to Reduce Sugar Consumption





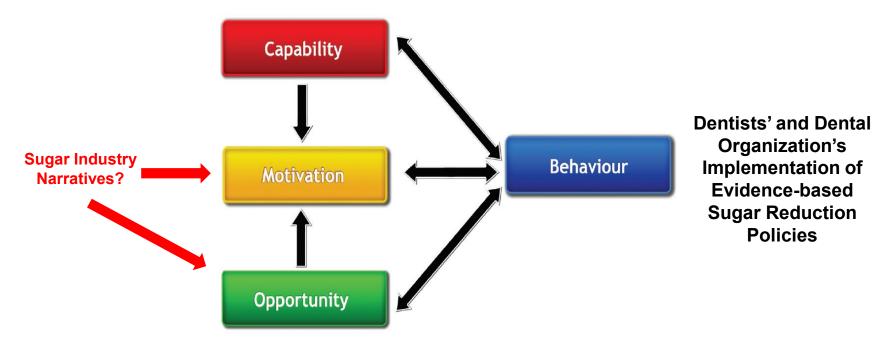






# COM-B Model – What Needs to Change?

Orienting Framework





# Opportunity (Social)

Environmental Influences, Norms, Constraints

Medium
Engagement
State
Private
Practice
Org.

"As far as a [soda tax goes], we've been quietly pushing that for 15 years...We tried to run a resolution through the [national org.] a few years ago about eliminating soda from the SNAP program and that went nowhere. The [national org.] itself actually killed it because they said, "No, we're concerned that this would appear racially discriminatory." I'm not exactly sugar how sugar and cavities are racially discriminatory, but in their minds it is so it was the end of that story. We could try that again, but I don't know. I'm getting tired."



"Dental caries prevention must be understood not just as a health issue, but as a contested political issue influenced by powerful vested interests."



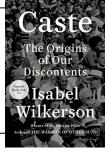


### Dominant Power and the Concept of Caste: Implications for Dentistry and Oral Health Inequality

[Special issue of Community Dental Health, to be disseminated at the 'Power in Dentistry' International Association for Dental Research symposium, July 2022, China]

Cristin Kearns, George Taylor, Snehlata Oberoi and Elizabeth Mertz

University of California, San Francisco



# A Hierarchical Dental System

Built to Privilege White Dentists, White Wealthy Patients

- Ineffective structure and delivery of dental services rooted in casteist attitudes
- Psychological coercion
- Beliefs in inherent inferiority
- Fears of losing status
- Socialized to maintain status quo
- Need new thinking about oral health inequalities

