Chronic diseases such as type 2 diabetes, cardiovascular disease, and hypertension, have increased significantly in the United States (Ogden, Carroll & Kit, 2014).

Portion sizes have increased over the past thirty years and are typically justified by the “eat in moderation” axiom (Young & Nestle, 2002).

A paper from the Academy of Nutrition and Dietetics, (2013) recommended to include “…a balanced variety of nutrient-dense food and beverages consumed in moderation…” While moderation is often a recommendation, it is not always clearly defined.

A recent study by vanDellen, Isherwood, and Delose (2016) found that the basic “everything in moderation” message can be interpreted a multitude of different ways.

The present study is among the first to include perception of moderation for foods groups that are considered to be health promoting in addition to foods or nutrients that impair health.

The objective of this study is to understand what the general population perceives as dietary moderation, in relation to recommendations. It is hypothesized that the majority of respondents’ perceptions of moderate intake will be over- or underestimated when compared to dietary recommendations.

Respondents’ ages mostly ranged from 19- to 51-years old (83.8%), and were predominantly female (79.5%). The Body Mass Index (BMI) calculations determined 47.5% of respondents classified as normal weight (BMI=18.5-24.9), and 48.6% classified as overweight (BMI=25-29.9), obese (BMI=30-39.9), or morbidly obese (BMI=40+) (Figure 1).

The majority of respondents (61.2%) either did not know or overestimated recommended moderate intake of added sugar (Figure 2). In terms of trans-fat, 74% reported they either did not know or overestimated the recommended moderate intake (Figure 3).

The majority of respondents correctly identified or overestimated moderate intake of fruits (88.8%) and vegetables (64.0%). The majority of respondents correctly identified or underestimated moderate intake of soda (83.7%) and diet soda (76.4%).

Although “everything in moderation” is common dietary advice, survey responses suggest the understanding of what moderation means related to specific dietary behaviors is not always clear, or accurate. Data suggests more messaging concerning recommendations for added sugar and trans-fats is warranted, especially considering the connection of those nutrients with chronic illness. Future education and health promotion campaigns may consider defining moderation, in an effort to clarify its meaning. Further research is needed to identify associations between respondents’ geographic location, race, income level, weight, or individual exposure to nutritional education, and understanding moderation of dietary behaviors.

References

