Food Promotion and Children’s Health: Considering Best Practices for Teaching and Evaluating Media Literacy on Food Marketing

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Food marketing to children is ubiquitous and persuasive. It primarily promotes foods of poor nutritional quality, influences children’s food preferences and habits, and is a factor in childhood obesity. Given that food marketing relentlessly targets children in traditional/digital media and the built environment, children need critical media literacy skills that build their understanding of food marketing’s persuasive effects. However, little research connects media literacy with food marketing and health, including effective strategies for teaching and evaluating such programming for children. This perspective presents the outcomes of a stakeholder meeting on best practices in teaching and evaluation on media literacy and food marketing to children. Strategies for promoting critical thinking (teaching content, teaching practices, teaching supports, and parent/caregiver involvement), and strategies for measuring critical thinking (program effectiveness and broader long-term impacts) were identified. These include, among other things, the need to capture the range of marketing formats and current food promotion trends, to include inquiry-based and co-creation activities, and to support ongoing media literacy development. Overall, these strategies suggest useful criteria for media literacy programming related to food marketing, and highlight the importance of media literacy for giving children the skills to navigate a complex food environment.

Keywords: media literacy, food literacy, food marketing, children, evaluation, health

INTRODUCTION

Food marketing to children is a “pervasive and persuasive” problem worldwide (1). It primarily promotes foods of poor nutritional quality, influences children’s food attitudes, preferences and habits, and has been linked to childhood obesity (1, 2). In Canada, children are relentlessly targeted with food marketing appeals, encountering 8–10 food and beverage advertisements a day on television, 30 food ads a week on social media, and an estimated 25 million food advertisements a year online (3, 4). Canadian children also routinely see food marketing in and around schools, encountering a median of 18 food advertisements within 400 metres of schools in urban settings.
Despite this pervasive food marketing, “food literacy” programs for children rarely include training in critical media literacy—a skill necessary to help them understand and evaluate food marketing’s persuasive effects. And while some media literacy programs related to food exist, limited scholarship connects media literacy with food marketing and health, resulting in a lack of frameworks for evaluating such programs.

In light of this, we convened a Best Brains Exchange (BBE) that connected international experts and stakeholders in both media literacy and food/health to share insights into research and practice, and to identify best practices in teaching and evaluation in this area. Our perspective summarises the meeting results, offering a snapshot of critical media literacy “best practices” as a starting point to formulate new thinking and evaluative frameworks for food-focused media literacy programming.

Food literacy is an extremely popular term and topic, used to describe the idea of proficiency in food-related skills and knowledge. In Canada, various child-targeted food literacy programs exist, ranging from the Rainbow Plate (sensory experience of food),\(^1\) Growing Chefs (cooking/educational programming)\(^2\) and Six by Sixteen (nutrition/cooking programming).\(^3\) The focus of such programming is primarily on the acquisition of functional skills (e.g., food preparation, cooking). Accordingly, the evaluation and perceived “success” of food literacy programming focuses on whether these skills have been acquired and on nutrition outcomes (7, 8).

Media literacy is different. While media literacy also addresses functional skills (e.g., how to program a computer, how to create a website), it is equally, and fundamentally, about critical skills. Media literacy is “the ability to access, analyse and evaluate messages across a variety of contexts” (9), and to put these skills into meaningful action (10). Media literacy is essential when it comes to understanding food marketing, as it promotes constructs that are not core to “food literacy” or “health literacy” (11). In particular, media literacy facilitates the examination and interpretation of the effects of persuasive communication techniques on the “meaning” and desirability of foods—and also on perceptions of nutrition. Media literacy also facilitates understanding of food marketing’s persuasive “power” or the specific techniques used to persuade (12), enabling understanding of visual/linguistic elements of food marketing (e.g., spokes-characters, colours, design).

Although questions of evaluation are commonplace in food literacy research, they (as noted above) focus primarily on assessing functional skills, sidestepping the critical skills needed to assess food marketing messages. Our BBE meeting connected international experts, practitioners and trainees to share knowledge and establish methods to evaluate critical media literacy and food programming. Following knowledge exchange (on research projects and practitioner programing), stakeholders participated in group discussions to identify best practices in teaching critical media literacy content on food marketing, and strategies for evaluating such interventions.

### Stakeholder Meeting Results

Meeting content and discussion generally fell into two main categories: strategies for promoting and strategies for measuring critical media literacy skills. Table 1 summarises these categories and their subcategories.

### Discussion

Strategies generated provide useful criteria for media literacy programming on food marketing, both in terms of promoting and evaluating critical thinking in children. When it comes to best practices for teaching media literacy, beyond the obvious need to ensure the content is tailored to the age cohort being taught, four key recommendations emerged.

First, it is critical to draw children’s attention to the range of marketing formats (e.g., influencer marketing, advertising banners, YouTube pre-rolls, in-game advertising, advergames, packaging, sponsorships) and food media that promote food and beverage products to them. Given the diverse advertising formats available (especially within digital media), some marketing formats may be difficult for children to identify without explicit training. Second, one must be nimble when selecting specific examples of food marketing: examples must capture current food promotion trends to be relevant to children’s lives and connected to the world outside of the classroom. Third, include inquiry-based activities that teach children how to become agents and co-creators of their own media investigations. For example, after teaching children how to distinguish marketing claims from factual claims on a food package, or after exploring how colours (such as green or brown) subtly persuade consumers about the overall healthfulness of packaged foods, then give them actual food products to analyse or sort (e.g., healthy/less healthy). Inquiry-based activities are fundamental to children’s ability to identify, understand, and evaluate media content, particularly as it relates to persuasive intent, and encourage children to transfer their skills into meaningful action. Challenge and game-based learning can also help heighten children’s motivation to critically reflect on media content (13). Fourth, use media creation activities to prompt children’s critical thinking with respect to food marketing messages. Ask children to draw from the persuasive techniques identified to create their own promotional messages for fruit or vegetables (thus applying marketing techniques to healthy eating), or to create a “subvertisement”—a parody ad that functions as a form of critique [see (14)]. Such media creation activities fuse creative and critical activities, encouraging children to apply media literacy to positive outcomes. Finally, part of “best practices” when it comes to teaching media literacy and food marketing entails increased teaching and parental/caregiver supports. This is necessary because nutrition knowledge and the ability to navigate food marketing appeals are highly variable among teachers and parents/caregivers. For teachers, such support includes professional development/training, as well as the creation of ready-to-use evidence-based resources (i.e., lessons-in-a-box) clearly tied to existing curricular outcomes. Background documents on the aims/goals/importance of media literacy and food marketing are necessary, as is the availability of...
children–although we recognise that even the most robust media support can contribute to an improved food environment for caregivers make the food purchasing/preparation decisions, such as grocery store shopping. Given that nutrition and advertising literacy, student worksheets, teacher guide). recommendations on evaluating advertising messages (e.g., post-intervention surveys, homework assignments).

For parents/caregivers, to facilitate children’s continued practice of applying media literacy at home, fact sheets with activities for analysing persuasive food marketing messages are useful, along with food label-reading activities (such as ensuring that front-of-package visuals on food packages do not trump product nutrition when evaluating healthfulness), and discussion points for grocery store shopping. Given that caregivers make the food purchasing/preparation decisions, such support can contribute to an improved food environment for children–although we recognise that even the most robust media literacy skills cannot address the structural barriers (such as food insecurity, access to fresh, whole foods, etc.) that may profoundly impact food choices.

Recommended best practices for evaluating media literacy and food marketing programming include using mixed methods to provide a nuanced understanding of program results. This may begin with quantitative methods (i.e., pre-post tests, surveys) to observe knowledge acquisition at the level of the individual child, including their recognition and understanding of the overall persuasive intent and specific techniques of persuasion within the advertising message. Qualitative methods, including focus groups and open-ended questions (on post-tests and exit surveys) allow for a deeper understanding of children’s perspectives around food/brand attitudes and preferences. Qualitative methods can also enable researchers and practitioners of media literacy to evaluate how effectively children apply knowledge about food promotion to new examples or contexts (11). Beyond this, tracking program reach (number of uses) and post-post-interventions (follow-up at 6 months, or 1 year post-program) help in measuring longer-term impacts.
Throughout the BBE meeting, stakeholders emphasised both the complexity of measuring children’s critical media literacy skills and that developing such skills is not a “one-off” process. Facilitating children’s ongoing media literacy development involves also inquiring into the capabilities and confidence of teachers and parents/caregivers so that adequate support can be provided to them. Doing so can help foster the community required to encourage continued critical reflection, alongside the critical skills children need to navigate a complex food environment.

Our perspective on “best practices” is intended as a starting point for discussion. Yet the relevance of these strategies extends beyond food promotion and evaluation, and are applicable more broadly to researchers, practitioners and educators promoting critical skills in relation to health. We do not advocate for media literacy as a substitute for effective government policy to protect children from the negative impacts of food marketing. Instead, we view media literacy on food marketing as an essential life skill that will support children’s health now and across their lifetimes.

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