Supplementary Material

Table S2 Food literacy questionnaires items were sourced from and whether face validity or cognitive interviews were conducted during the validation process

Reference	Number of participants	Cognitive interview, face validity method
Ailawadi, K. L., Neslin, S. A., & Gedenk, K. (2001). Pursuing the Value-Conscious Consumer: Store Brands versus National Brand Promotions. J Mark, 65(1), 71-89.	No questionnaire development/validation reported	
Amuta-Jimenez, A. O., Lo, C., Talwar, D., Khan, N., & Barry, A. E. (2019). Food label literacy and use among US adults diagnosed with cancer: Results from a national representative study. Journal of Cancer Education, 34(5), 1000-1009.	No questionnaire development/validation reported	
Barbour, L. R., Ho, M. Y. L., Davidson, Z. E., & Palermo, C. E. (2016). Challenges and opportunities for measuring the impact of a nutrition programme amongst young people at risk of food insecurity: A pilot study. Nutrition Bulletin, 41(2), 122-129.	No questionnaire development/validation reported	
Barton, K. L., Wrieden, W. L., & Anderson, A. S. (2011). Validity and reliability of a short questionnaire for assessing the impact of cooking skills interventions. Journal of Human Nutrition and Dietetics, 24(6), 588-595.	20	- 16 females, 4 males, 21-69 years - Individual discussions with adults residing in Scotland, typical of those attending cooking skill classes - Interviewed regarding ease of completion and comprehension + further probing if questions misunderstood
Bauer, K. W., Larson, N. I., Nelson, M. C., Story, M., & Neumark-Sztainer, D. (2009). Socio-environmental, personal and behavioural predictors of fast-food intake among adolescents. Public Health Nutrition, 12(10), 1767-1774.	No questionnaire development/validation reported	
Begley, A., Paynter, E., & Dhaliwal, S. S. (2018). Evaluation tool development for food literacy programs. Nutrients, 10(11), 1617.	1012 (though not stated how many contributed to refinement of items)	- Assessed acceptability, comprehension of items - Program participants provided feedback on wording of questions, relevance of some food literacy behaviours

Reference	Number of participants	Cognitive interview, face validity method
Bell, R., & Marshall, D. W. (2003). The construct of food involvement in behavioral research: scale development and validation. APPETITE, 40(3), 235-244.	3	- 1 experimenter, 2 psychologists - Rated for face validity on a 7-point scale (extremely low, extremely high)
Boucher, A. B., Elizabeth, M., Meaghan, R. B., Lynn, R., & Rebecca, T. (2017). The Ontario Food and Nutrition Strategy: identifying indicators of food access and food literacy for early monitoring of the food environment. Health promotion and chronic disease prevention in Canada: research, policy and practice, 37(9), 313.	No questionnaire development/validation reported	
Brissette, I., Lowenfels, A., Noble, C., & Spicer, D. (2013). Predictors of total calories purchased at fast-food restaurants: Restaurant characteristics, calorie awareness, and use of calorie information. J Nutr Educ Behav, 45(5), 404-411.	No questionnaire development/validation reported	
Buckley, M., Cowan, C., & McCarthy, M. (2007). The convenience food market in Great Britain: Convenience food lifestyle (CFL) segments. APPETITE, 49(3), 600-617.	Not described	
Burton, M., Reid, M., Worsley, A., & Mavondo, F. (2017). Food skills confidence and household gatekeepers' dietary practices. APPETITE, 108, 183-190.	Questionnaire developed, but cognitive interviews, face validity not described	
Byrd-Bredbenner, C. (2005). Food Preparation Knowledge and Confidence of Young Adults. Journal of Nutrition in Recipe & Menu Development, 3(3-4), 37- 50.	Questionnaire developed, but cognitive interviews, face validity not described	
Byrd-Bredbenner, C., Wheatley, V., Schaffner, D., Bruhn, C., Blalock, L., & Maurer, J. (2007). Development and implementation of a food safety knowledge instrument: Food science education research. Journal of Food Science Education, 6(3), 46-55.	Questionnaire developed, but cognitive interviews, face validity not described	
Cerjak, M., Haas, R., Brunner, F., & Tomic, M. (2014). What motivates consumers to buy traditional food products? Evidence from Croatia and Austria using word association and laddering interviews. Br Food J., 116(11), 1726-1747.	59	- 31 Croatian consumers, 28 Austrian consumers - Word association test (‘traditional food’) - Laddering interviews (bottom-up interview process starting with questions about lower-level attributes to uncover high-level values)
Chamhuri, N., & Batt, P. J. (2015). Consumer perceptions of food quality in Malaysia. Br Food J., 117(3), 1168-1187.	Not described	

Reference	Number of participants	Cognitive interview, face validity method
Condrasky, M. D., Williams, J. E., Catalano, P. M., & Griffin, S. F. (2011). Development of psychosocial scales for evaluating the impact of a culinary nutrition education program on cooking and healthful eating. J Nutr Educ Behav, 43(6), 511-516.	39	- 3 focus groups (parents, caregivers, cooks) - Assisted in development of survey wording, appropriateness of questions, timing, readability
Crawford, D., Ball, K., Mishra, G., Salmon, J., & Timperio, A. (2007). Which food-related behaviours are associated with healthier intakes of fruits and vegetables among women? Public Health Nutrition, 10(3), 256-265.	Questionnaire developed, but cognitive interviews, face validity not described	
Dollahite, J. S., Pijai, E. I., Scott-Pierce, M., Parker, C., & Trochim, W. (2014). A Randomized Controlled Trial of a Community-Based Nutrition Education Program for Low-Income Parents. J Nutr Educ Behav, 46(2), 102-109.	No questionnaire development/validation reported	
Dunn, C., Jayaratne, K. S. U., Baughman, K., & Levine, K. (2014). Teaching Basic Cooking Skills: Evaluation of the North Carolina Extension "Cook Smart, Eat Smart" Program. J Fam Consum Sci, 106(1), 39-46.	No questionnaire development/validation reported	
Flego, A., Herbert, J., Gibbs, L., Swinburn, B., Keating, C., Waters, E., & Moodie, M. (2013). Methods for the evaluation of the Jamie Oliver Ministry of Food program, Australia. BMC Public Health, 13(1), 411.	30	- Jamie Oliver Ministry of Food population participants - Informal focus group sessions - Identification of questions that were ambiguous, sensitive
Food and Drug Administration. (2016). 2014 FDA Health and Diet Survey.	Questionnaire developed, but no validation described	
Garcia, A. L., Vargas, E., Lam, P. S., Shennan, D. B., Smith, F., & Parrett, A. (2014). Evaluation of a cooking skills programme in parents of young children - a longitudinal study. Public Health Nutrition, 17(5), 1013-1021.	Questionnaire developed, but cognitive interviews, face validity not described	
Grunert, K. G., Brunsø, K., & Bisp, S. (1993). Food-related life style: Development of a cross-culturally valid instrument for market surveillance. MAPP working paper no 12.	Not described	
Hartmann, C., Dohle, S., & Siegrist, M. (2013). Importance of cooking skills for balanced food choices. Appetite, 65, 125-131.	Questionnaire developed, but cognitive interviews, face validity not described	

Reference	Number of participants	Cognitive interview, face validity method
Herbert, J., Flego, A., Gibbs, L., Waters, E., Swinburn, B., Reynolds, J., & Moodie, M. (2014). Wider impacts of a 10-week community cooking skills program - Jamie's Ministry of Food, Australia. BMC Public Health, 14(1), 1161.	No questionnaire development/validation reported	
Hutchinson, J., Watt, J. F., Strachan, E. K., & Cade, J. E. (2016). Evaluation of the effectiveness of the Ministry of Food cooking programme on self-reported food consumption and confidence with cooking. Public health nutrition, 19(18), 3417-3427.	No questionnaire development/validation reported	
Hwang, J., & Cranage, D. (2010). Customer health perceptions of selected fast-food restaurants according to their nutritional knowledge and health consciousness. Journal of Foodservice Business Research, 13(2), 68-84.	30	- Undergraduate students - Interviewed about understandability, readability of questionnaire
Jevšnik, M., Hlebec, V., & Raspor, P. (2008). Consumers' awareness of food safety from shopping to eating. Food Control, 19(8), 737-745.	20	- Question clarity, identify response options, gauge duration
Kearney, J. M., Gibney, M. J., Livingstone, B. E., Robson, P. J., Kiely, M., & Harrington, K. (2001). Attitudes towards and beliefs about nutrition and health among a random sample of adults in the Republic of Ireland and Northern Ireland. Public Health Nutrition, 4(5a), 1117-1126.	No questionnaire development/validation reported	
Kliemann, N., Wardle, J., Johnson, F., & Croker, H. (2016). Reliability and validity of a revised version of the General Nutrition Knowledge Questionnaire. European Journal of Clinical Nutrition, 70(10), 1174-1180.	20	- 2 x dietitians, 3 x health psychologists, 15 x dietetics students - Assessed level of difficulty, adequacy of items, selected best items based on clarity, content, interpretability
Krause, C., Sommerhalder, K., Beer-Borst, S. (2016). Nutrition-specific health literacy: development and testing of a multi-dimensional questionnaire. Ernahrungs Umschau, 63, 214-220. Krause, C. G., Beer-Borst, S., Sommerhalder, K., Hayoz, S., & Abel, T. (2018). A short food literacy questionnaire (SFLQ) for adults: Findings from a Swiss validation study. Appetite, 120, 275-280.	13	- 4 men, 9 women aged 27-67 - Thinking-aloud pre-test

Reference	Number of participants	Cognitive interview, face validity method
Lahne, J., Wolfson, J. A., & Trubek, A. (2017). Development of the Cooking and Food Provisioning Action Scale (CAFPAS): A new measurement tool for individual cooking practice. Food Quality and Preference, 62, 96-105.	7	- Experts in food-studies (community nutritionists, chefs, food scientists, extension officers, rural sociologists)
Lavelle, F., McGowan, L., Hollywood, L., Surgenor, D., McCloat, A., Mooney, E., . . . Dean, M. (2017). The development and validation of measures to assess cooking skills and food skills. Int J Behav Nutr Phys Act., 14, 118.	14	- Pilot survey field interviews - Clarity of questions, how easy participants found measures to complete, wording, readability, usability
Levy, J., & Auld, G. (2004). Cooking Classes Outperform Cooking Demonstrations for College Sophomores. J Nutr Educ Behav, 36(4), 197-203.	Questionnaire developed and some initial validation but cognitive interviews, face validity not described	
Mallinson, L. J., Russell, J. M., & Barker, M. E. (2016). Attitudes and behaviour towards convenience food and food waste in the United Kingdom. APPETITE, 103, 17-28.	Questionnaire developed and some initial validation but cognitive interviews, face validity not described	
Méjean, C., Hassen, W. S., Gojard, S., Ducrot, P., Lampuré, A., Brug, H., ... & Castetbon, K. (2017). Social disparities in food preparation behaviours: a DEDIPAC study. Nutrition journal, 16(1), 1-13.	Not described 100	- Experts (multidisciplinary research team of nutritionists, dietitians, economists, sociologists) assessed length, items' wording, categories of responses - 'Subjects' evaluated acceptability, feasibility on 4-point likert scale strongly disagree to strongly agree for questionnaire length or redundant items
NatCen Social Research. (2008). British Social Attitudes Survey.	Questionnaire developed, but no validation described	
Neumark-Sztainer, D., Larson, N. I., Fulkerson, J. A., Eisenberg, M. E., & Story, M. (2010). Family meals and adolescents: what have we learned from Project EAT (Eating Among Teens)? Public Health Nutrition, 13(7), 1113-1121.	Questionnaire developed, but no validation described	
Palumbo, R., Annarumma, C., Adinolfi, P., Vezzosi, S., Troiano, E., Catinello, G., & Manna, R. (2017). Crafting and applying a tool to assess food literacy: Findings from a pilot study. Trends Food Sci Technol., 67, 173-182.	15	- 12 women, 3 men (26-58), members of the Italian Association of Dietitians - Provide feedback on design, clarity of the tool
Pinard, C. A., Uvena, L. M., Quam, J. B., Smith, T. M., & Yaroch, A. L. (2015). Development and testing of a revised Cooking Matters for Adults Survey. American Journal of Health Behavior, 39(6), 866-873.	21	- Think-aloud, probing

Reference	Number of participants	Cognitive interview, face validity method
Poelman, M. P., Dijkstra, S. C., Sponselee, H., Kamphuis, C. B. M., Battjes-Fries, M. C. E., Gillebaart, M., & Seidell, J. C. (2018). Towards the measurement of food literacy with respect to healthy eating: the development and validation of the self perceived food literacy scale among an adult sample in the Netherlands. Int J Behav Nutr Phys Act, 15(1), 54.	Not described	
Ramirez, E. (2015). Development and implementation of the generations eating together through cooking (G.E.T.T. Cooking) curriculum and its effects on an inter-generational population: A pilot study. (Degree Doctor of Philosophy), Clemson University, Clemson, South Carolina, USA.	Questionnaire developed, but no validation described	
Sanlier, N., & Konaklioglu, E. (2012). Food safety knowledge, attitude and food handling practices of students. Br Food J, 114(4), 469-480.	Not described	- Face-to-face interviews (not further described)
Scholderer, J., Brunsø, K., Bredahl, L., & Grunert, K. G. (2004). Cross-cultural validity of the food-related lifestyles instrument (FRL) within Western Europe. APPETITE, 42(2), 197-211.		
Steptoe, A., Pollard, T. M., & Wardle, J. (1995). Development of a Measure of the Motives Underlying the Selection of Food: the Food Choice Questionnaire. APPETITE, 25(3), 267-284.	Not described	
Stotts, J. L., & Lohse, B. (2007). Reliability of the ecSatter Inventory as a Tool to Measure Eating Competence. J Nutr Educ Behav, 39(5, Supplement), S167- S170.	Tested existing questionnaire and some initial validation but cognitive interviews, face validity not described	
The Health and Social Care Information Centre. (2009). Health survey for England 2007, Healthy lifestyles: Knowledge, attitudes and behaviour.	Questionnaire developed, but no validation described	
Thomas, H. M., & Irwin, J. D. (2011). Cook It Up! A community-based cooking program for at-risk youth: Overview of a food literacy intervention. BMC Research Notes, 4(1), 495.	No questionnaire development/validation reported	

Reference	Number of participants	Cognitive interview, face validity method
Thonney, P. F., & Bisogni, C. A. (2006). Cooking Up Fun! A Youth Development Strategy that Promotes Independent Food Skills. J Nutr Educ Behav, 38(5), 321-323.	No questionnaire development/validation reported	
Vilaro, M. J., Zhou, W., Colby, S. E., Byrd-Bredbenner, C., Riggsbee, K., Olfert, M. D., . . . Mathews, A. E. (2017). Development and Preliminary Testing of the Food Choice Priorities Survey (FCPS): Assessing the Importance of Multiple Factors on College Students' Food Choices. Evaluation & the Health Professions, 40(4), 425-449.	12	- 7 experts, 5 undergraduate students - Rated items for clarity, relevance, representativeness, coverage using yes/no rating system
Wallace, R., Lo, J., & Devine, A. (2016). Tailored nutrition education in the elderly can lead to sustained dietary behaviour change. The journal of nutrition, health & aging, 20(1), 8-15.	Questionnaire developed and some initial validation but cognitive interviews, face validity not described	
Wijayaratne, S. P., Reid, M., Westberg, K., Worsley, A., & Mavondo, F. (2018). Food literacy, healthy eating barriers and household diet. European Journal of Marketing.	Questionnaire developed and some initial validation but cognitive interviews, face validity not described	
Winkler, E., & Turrell, G. (2010). Confidence to Cook Vegetables and the Buying Habits of Australian Households. Journal of the American Dietetic Association, 110(5), S52-S61.	No questionnaire development/validation reported	
Woodruff, S. J., & Kirby, A. R. (2013). The associations among family meal frequency, food preparation frequency, self-efficacy for cooking, and food preparation techniques in children and adolescents. J Nutr Educ Behav, 45(4), 296-303.	13	- Children (not further described) - Cognitive interviews - Rewording of questions, options, additional items
Worsley, A., Wang, W. C., & Burton, M. (2015). Food concerns and support for environmental food policies and purchasing. APPETITE, 91, 48-55.	Questionnaire developed and some initial validation but cognitive interviews, face validity not described	
Ahn, S., Kim, B., Um, M., Park, Y., & Kye, S. (2020). Development and validation of a nutrition literacy assessment tool for young adults. Journal of Nutrition and Health, 53(2), 175-189.	Not in English	
Gibbs, H. D., Ellerbeck, E. F., Gajewski, B., Zhang, C., & Sullivan, D. K. (2018). The nutrition literacy assessment instrument is a valid and reliable measure of nutrition literacy	Questionnaire developed and some initial validation but cognitive interviews, face validity not described	

Reference	Number of participants	Cognitive interview, face validity method
in adults with chronic disease. Journal of nutrition education and behavior, 50(3), 247-257.		
Kircher, K. A. (2018). Validity of an Instrument Developed that Measures the Home Food Environment and Food Literacy of Food Pantry Guests (Doctoral dissertation, University of Cincinnati).	12	- Cognitive interviews, probing questions
Kennedy, L. G., Kichler, E. J., Seabrook, J. A., Matthews, J. I., & Dworatzek, P. D. (2019). Validity and reliability of a food skills questionnaire. Journal of nutrition education and behavior, 51(7), 857-864.	20	- Undergraduate students - Interview to provide additional feedback, identify what they thought questionnaire was measuring
Hosaka, K. The Survey of Parent's Food Literacy and Children's OYATSU.	Not described	
Chambers, C. (2012). A pilot study: the use of a survey to assess the food knowledge of nutrition students at various levels of nutrition education.	Questionnaire developed and some initial validation but cognitive interviews, face validity not described	
Vanderkooy, P. (2010). Food skills of Waterloo Region adults. Fireside Chat Presentation.	No questionnaire development/validation reported	
Na, Y., & Cho, M. S. (2020). Development of a tool for food literacy assessment for young adults: findings from a Korean validation study. Asia Pacific Journal of Clinical Nutrition, 29(4), 876-882.	15	- Undergraduate nutrition or Masters/PhD in nutrition/food - Any elements of food literacy missing
Park, D., Park, Y. K., Park, C. Y., Choi, M. K., & Shin, M. J. (2020). Development of a Comprehensive Food Literacy Measurement Tool Integrating the Food System and Sustainability. Nutrients, 12(11), 3300.	10	- Adults (20-64) - Interviews to investigate if questions were ambiguous or too complex
Ringland, E. M., Gifford, J. A., Denyer, G. S., Thai, D., Franklin, J. L., Stevenson, M. M., ... & O'connor, H. T. (2016). Evaluation of an electronic tool to assess food label literacy in adult Australians: A pilot study. Nutrition & Dietetics, 73(5), 482-489.	Questionnaire developed and some initial validation but cognitive interviews, face validity not described	