



## Curriculum Vitae

Institute of Nutrition, Mahidol University (INMU)

999 Phutthamonthon 4 Rd., Salaya, Phutthamonthon

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**Name:** Sabri Bromage

**E-mail address:** sabri.bro@mahidol.edu

**Current position:** Researcher Level 1

### Education

2011: Bachelor of Arts (BA) in Chemistry, College of Arts and Sciences,  
New York University

2013: Master of Public Health (MPH) in International Health,  
Department of Epidemiology, University of Michigan School of Public Health

2018: Doctor of Science (ScD) in Nutrition (Nutritional Epidemiology Track),  
Department of Nutrition, Harvard T.H. Chan School of Public Health

### Research Interest and Expertise

- nutritional epidemiology
- dietary assessment
- diet quality
- food environments
- food composition
- nutrition surveillance

### Research Experiences

*Involved as Principal Investigator:*

06/24 – present (end date: 12/25): Developing methodology for applying participatory mapping and AI-driven analysis of open-source data to understand nutritionally relevant spatiotemporal characteristics of food environments and consumer-food environment interaction at and around Mahidol University. **Principal Investigator: Sabri Bromage** (Mahidol University). Funding: Mahidol University Strategic Research Fund (1,500,000 THB).

01/24 – present (end date: 11/24, with anticipated no-cost extension until 05/25): Analyzing population diet patterns, validating a food-frequency questionnaire, and informing methodology for formulating food-based recommendations for improving diet quality among adults 40-60 years of age in Nakhon Pathom (this is a separate sub-project within the ongoing Rockefeller-funded project for which I serve as Co-PI). **Principal Investigator: Sabri Bromage**, Mahidol University. Funding: The Rockefeller Foundation (funding amount to be determined based on ongoing reallocation of the Rockefeller project budget). Recipient Institution: Mahidol University.

12/23 – present (end date: 12/24): Promoting healthy and sustainable food systems in Thailand and Southeast Asia through synthesis and translation of multidisciplinary research on underutilized edible agrobiodiversity. **Principal Investigator: Sabri Bromage**, Mahidol University. Funding: Consultative Group on International Agricultural Research, CGIAR (25,000 USD). Recipient Institution: Mahidol University.



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08/23 – present (end date: 07/24, with anticipated no-cost extension until 02/25): Multifaceted Assessment of the Food Environment in and around Mahidol University. **Principal Investigator: Sabri Bromage**, Mahidol University. Funding: Institute of Nutrition, Mahidol University (150,000 THB). Recipient Institution: Mahidol University.

12/21 – 03/23: Harvard subaward within the project “Building capacity for standardized measurement of diet quality and key nutritional biomarkers for capturing the triple burden of malnutrition as part of population surveys in low- and middle-income countries”. **Principal Investigator: Sabri Bromage**, Harvard University. Funding: The Rockefeller Foundation (113,314 USD). Recipient Institution: Harvard University.

07/21 – 10/23 (a no-cost extension was granted until 06/24, but I completed the project and discontinued my effort on 10/23): Operationalizing and validating the Global Diet Quality Score (GDQS) for use in population-based surveys. **Principal Investigator: Sabri Bromage**, Harvard University. Funding: U.S. National Institutes of Health 5D43TW010543-05 (15,000 USD). Recipient Institution: Harvard University.

*Involved as Co-Principal Investigator or Project Director:*

09/23 – present (end date: 08/24): Knowledge and Perceptions around Whole Grain Consumption among Children in Thailand. Principal Investigator: Punnee Ponprachanuvut, Institute of Nutrition, Mahidol University. Funding: Johns Hopkins University (71,000 THB). Role: **Co-Principal Investigator**.

08/23 – present (end date: 06/24): Understanding the status, trends, drivers of malnutrition in young children and the policy and programme response in Thailand (re-tender). Principal Investigator: Tippawan Pongcharoen, Mahidol University. Funding: UNICEF Thailand, Reference: LRPS-2023-9183026 (1,653,050 THB). Role: **Co-Principal Investigator**.

12/21 - present (end date: 11/24, with anticipated no-cost extension until 05/25): Building capacity for standardized measurement of diet quality and key nutritional biomarkers for capturing the triple burden of malnutrition as part of population surveys in low- and middle-income countries. Principal Investigator: Tippawan Pongcharoen, Mahidol University. Funding: The Rockefeller Foundation (499,692 USD). Roles: **Co-Principal Investigator & Project Director**.

09/18 - 02/21: Optimizing the Prime Diet Quality Score for use in low- and middle-income countries. Principal Investigator: Walter C. Willett, Harvard University. Funding: FHI Solutions, recipient of a Bill & Melinda Gates Foundation grant to support *Intake* – Center for Dietary Assessment (482,291 USD). Roles: **Project Director & Analyst**.

*Involved in other roles:*

12/21 - present (end date: 11/24, with anticipated no-cost extension until 05/25): Building capacity for standardized measurement of diet quality and key nutritional biomarkers for capturing the triple burden of malnutrition as part of population surveys in low- and middle-income countries. Principal Investigator: Tippawan Pongcharoen, Mahidol University. Funding: The Rockefeller Foundation (499,692 USD). Roles: **Co-Principal Investigator & Project Director**.

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01/23 - present (ongoing core-funded project with no current end date): Harvard University and Mahidol University Research and Training Joint Unit. Principal Investigators: Warangkana Srichamnong, Mahidol University & Walter C. Willett, Harvard University. Funding: Mahidol University (2,000,000 THB). **Role: Project Director.**

01/23 - present (end date: 08/24): Periodic Table of Food Initiative (PTFI) Asia Center of Excellence Laboratory. Principal Investigator: Warangkana Srichamnong, Institute of Nutrition, Mahidol University. Funder: PTFI (150,000 USD). **Role: Mentor.**

08/23 – present (end date: 07/24, with no-cost extension until 02/25): Multifaceted Assessment of the Food Environment in and around Mahidol University. **Principal Investigator: Sabri Bromage**, Mahidol University. Funding: Institute of Nutrition, Mahidol University (150,000 THB). Recipient Institution: Mahidol University.

08/23 – present (end date: 06/24, with no-cost extension): Understanding the status, trends, drivers of malnutrition in young children and the policy and programme response in Thailand (re-tender). Principal Investigator: Tippawan Pongcharoen, Mahidol University. Funding: UNICEF Thailand, Reference: LRPS-2023-9183026 (1,653,050 THB). **Role: Co-Principal Investigator.**

09/23 – present (end date: 08/24): Knowledge and Perceptions around Whole Grain Consumption among Children in Thailand. Principal Investigator: Punnee Ponprachanuvut, Institute of Nutrition, Mahidol University. Funding: Johns Hopkins University (71,000 THB). **Role: Co-Principal Investigator.**

12/23 – present (end date: 12/24): Promoting healthy and sustainable food systems in Thailand and Southeast Asia through synthesis and translation of multidisciplinary research on underutilized edible agrobiodiversity. **Principal Investigator: Sabri Bromage**, Mahidol University. Funding: Consultative Group on International Agricultural Research, CGIAR (25,000 USD). Recipient Institution: Mahidol University.

06/24 – present (end date: 12/25): Developing methodology for applying participatory mapping and AI-driven analysis of open-source data to understand nutritionally relevant spatiotemporal characteristics of food environments and consumer-food environment interaction at and around Mahidol University. **Principal Investigator: Sabri Bromage** (Mahidol University). Funding: Mahidol University Strategic Research Fund (1,500,000 THB).

06/24 – present (end date: 12/25): A pilot study of the association between arsenic exposure and type 2 diabetes mellitus patients in population of Thailand lived in Lampang province. Principal Investigator: Worakrit Saiyasombat (Mahidol University). Funding: Mahidol University Strategic Research Fund (7500,000 THB). **Role: Co-Investigator.**

01/23 - present (end date: 08/24): Periodic Table of Food Initiative (PTFI) Asia Center of Excellence Laboratory. Principal Investigator: Warangkana Srichamnong, Institute of Nutrition, Mahidol University. Funder: PTFI (150,000 USD). **Role: Co-Investigator.**

01/23 - present (this is an ongoing core-funded project with no current end date): Harvard University and Mahidol University Research and Training Joint Unit. Principal Investigators: Warangkana Srichamnong, Mahidol University & Walter C. Willett, Harvard University. Funding: Mahidol University (2,000,000 THB). **Role: Project Director.**

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10/22 - 12/22: National Research Service Award Institutional Training Program in Academic Nutrition. Principal Investigators: Frank B. Hu & Christopher P. Duggan, Harvard University. Funding: U.S. National Institute of Diabetes and Digestive and Kidney Diseases 2T32DK007703-26. Role: **Trainee**.

10/21 – 02/23: Evaluating the performance of the Global Diet Quality Score for determining overall dietary quality among Thai adults for integrating into non-communicable disease prevention system. Principal Investigator: Wantanee Kriengsinyos, Institute of Nutrition, Mahidol University. Funding: Health Systems Research Institute, Thailand (55,281 USD). Role: **Co-Investigator**.

06/21 - 06/22: Climate Change, Food Security and Nutrition in Mongolia: An Exploratory Assessment. Principal Investigator: Claudia Ringler, International Food Policy Research Institute. Funding: UNICEF Mongolia, Reference: LRPS-2020-9162628 (66,863 USD). Role: **Consultant**.

02/21 - 06/22: Cultures of dairying: gene-culture-microbiome evolution and the ancient invention of dairy foods. Principal Investigator: Christina Warriner, Harvard University. Funding: European Research Council (1,499,988 EUR). Role: **Co-investigator**.

01/21 - 01/21: Interactive Dynamics of Reef Fisheries and Human Health. Principal Investigator: Christopher Golden, Harvard University. Funding: National Science Foundation (1,359,998 USD). Role: **Co-Investigator**.

07/20 - 08/21: Relationship between vitamin D status and treatment outcomes among COVID-19 patients in Ulaanbaatar, Mongolia. Principal Investigator: Ganmaa Davaasambuu, Harvard University. Funding: Ulaanbaatar City Mayor's Office. Role: **Co-Investigator**.

06/20 - 06/21: A Cluster-Randomized, Double-Blind, Placebo-Controlled Study to Evaluate the Efficacy of Vitamin D3 Supplementation to Reduce Disease Severity in Persons with Newly Diagnosed COVID-19 Infection and to Prevent Infection in Household Members. Principal Investigator: Ganmaa Davaasambuu, Harvard University. Funding: Vitamin D and COVID-19 Research Fund. Role: **Co-Investigator**.

06/20 - 06/21: A Randomized trial to determine the effect of vitamin D and zinc supplementation for improving treatment outcomes among COVID-19 patients in Mumbai, India. Principal Investigator: Wafaie W. Fawzi, Harvard University. Funding: Canadian Institutes of Health Research (887,006 USD). Role: **Co-Investigator**.

05/19 - 06/22: Study on Mongolian nutritional status and the biological diversity of intestinal Lactobacillus. Principal Investigator: Ganmaa Davaasambuu, Harvard University. Funding: National Special Office for International Science and Technology Cooperation, People's Republic of China (1,500,000 RMB). Role: **Co-Investigator**.

03/19 - 06/21: Case control study of vitamin D status and adult multidrug-resistant pulmonary tuberculosis in Maharashtra, India. Principal Investigator: Wafaie W. Fawzi, Harvard University. Funding: Harvard Medical School Center for Global Health Delivery-Dubai (92,659 USD). Role: **Co-Investigator**.



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04/18 - 12/23: Longitudinal study of drivers of food choice among rural-urban migrants in Mongolia and Kazakhstan. Principal Investigator: Ganmaa Davaasambuu, Harvard University. Funding: Sight and Life (75,000 USD). Role: **Co-Investigator**.

02/18 - 07/22: Risk of TB infection in health care workers. Principal Investigator: Ganmaa Davaasambuu, Harvard University. Funding: Golomt Bank. Role: **Co-Investigator**.

03/17 - 03/18: Fortification of Rice with Lime: A Novel Potential Way to Reduce Calcium Deficiency in Bangladesh. Principal Investigator: Tahmeed Ahmed, International Centre for Diarrheal Disease Research, Bangladesh. Funding: Swedish International Development Agency. Role: **Co-Investigator**.

01/16 - 10/17: Prevalence of Aflatoxin Contamination among Pregnant Women in Dar es Salaam, Tanzania, and Subsequent Effects on Selected Infant, Child, and Maternal Health Outcomes. Principal Investigator: Wafaie W. Fawzi, Harvard University. Funding: Harvard NIEHS Center for Environmental Health (24,973 USD). Role: **Co-Investigator**.

01/14 – 07/19: Vitamin D in TB Prevention in School Age Children. Principal Investigator: Ganmaa Davaasambuu, Harvard University. Funding: U.S. National Institutes of Health (659,269 USD). Role: **Co-Investigator**.

09/13 - 05/18: National Research Service Award Institutional Training Program in Environmental Epidemiology. Principal Investigator: David Christiani, Harvard University. Funding: U.S. National Institutes of Health T32ES007069. Role: **Trainee**.

05/12 - 07/18: Nationwide Study on Vitamin D and Other Micronutrients' Status among Mongolian Adults. Principal Investigator: Ganmaa Davaasambuu, Harvard University. Funding: Multiple sources including World Health Organization, Millennium Challenge Corporation, and Vitamin D Society. Role: **Co-Investigator**.

### *Involvement in data safety and monitoring activities for randomized clinical trials:*

02/21 - 03/21: Supervised randomization and labelling and contributed to SOP development and DSMB materials for a phase 3 randomized clinical trial “Vitamin D and Zinc Supplementation for Improving Treatment Outcomes Among COVID-19 Patients in India” (PI: Wafaie W. Fawzi; trial registration NCT04641195).

03/18 - 04/18 - Supervised and conducted on-site operations in Ulaanbaatar, Mongolia, maintained study blinding, prepared SOPs for a team of four researchers conducting active regimen and placebo bottling and labelling, and contributed ancillary technical assistance to prepare the PI for Data Safety and Monitoring updates for the phase 3 randomized clinical trial “Vitamin D Supplementation in TB Prevention” in (PI: Ganmaa Davaasambuu; trial registration NCT02276755)

01/14 - 04/14: Led statistical analysis under the supervision of Prof. James Ware on part of the Data Safety and Monitoring Board for “Vitamin D Supplementations as Adjunct to Anti-Tuberculosis Drugs in Mongolia” (PI: Ganmaa Davaasambuu; trial registration NCT01657656).



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### Training

#### Skills training

- *Statistical programming*: R (passed LinkedIn skill assessment: 09/22), SAS, STATA, SPSS
- *Nutrition*: NutriSurvey, IMAPP/PC-Side, Optifood, FAO-ADePT-FSM, GDQS app, INDDX24, WHO Anthro
- *Other*: Excel (passed LinkedIn skill assessment: 01/22), REDCap, Tropospheric Ultraviolet-Visible Model, ARC GIS (basic proficiency)

#### Certifications in Research Conduct

03/23 - 05/23: Completed the 31.5 hour “Professional Researchers Empowerment Program” (PREP) at Mahidol University.

10/22: Updated certification for Biomedical Research Investigators under the “Collaborative Institutional Training Initiative” (CITI) at Harvard University.

02/16 - 04/16: Completed the 8-hour “Responsible Conduct of Research and Scholarship” (RICRS) course at the University of Michigan.

### Publications

#### National

- Nothing

#### International

1. **Bromage S**, Tazhibayev S, Zhou X, Liu C, Tserenkhue E, Dolmatova O, Khishignemekh M, Musurepova L, Wusigale, Tzolmon S, Tsendjav E, Enkhmaa D, Rai RK, Enkhbat B, Billige M, Ganmaa D. Longitudinal study of nutrition status, lifestyle risk factors, and drivers of food choice among rural-to-urban migrants in Almaty, Kazakhstan and Ulaanbaatar, Mongolia. *Public Health Nutr.* [Accepted for publication Nov 2024]
1. Batis C, Castellanos-Gutiérrez A, Ali NB, Arsenault JE, Atayde AMP, **Bromage S**, Deitchler M, Diop L, Gelli A, Kehoe S, Leonardo S, Moursi M, Nkengfack B, Willett WC. Validation of the Global Diet Quality Score (GDQS) among Children 10 to 14 Years of Age. *Nutr Rev.* [Accepted for publication Sep 2024]
2. Arsenault JE, Ali NB, Atayda AMP, Batis C, Becquey E, **Bromage S**, Deitchler M, Diop L, Gelli A, Castellanos-Gutiérrez A, Kehoe S, Krishnaveni G, Leonardo S, Moursi M, Nkengfack B. Development and validation of the Global Diet Quality Score (GDQS) for children 5 to 9 years of age. *Nutr Rev.* [Accepted for publication Aug 2024]
3. Deitchler M, Batis C, **Bromage S**, Arsenault JE. Development and Validation of Metrics of Diet, Menu, and Meal Quality for Children 2-14 Years of Age: Overview. *Nutr Rev.* [Accepted for publication Jul 2024]



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4. Norde MM, **Bromage S**, Marchioni DML, Vasques AC, Deitchler M, Arsenaut J, de Carvalho AM, Velloso L, Willett WC, Giovannucci E, Geloneze B. The Global Diet Quality Score as an indicator of adequate nutrient intake and dietary quality for the Brazilian population – a nation-wide representative study. *Nutr J*. 2024 Apr 17;23(1):42.
5. Kujawska A, **Bromage S**, Simoes JA, Zupkauskienė J, McMahon N, Zalewski P, Kujawski S. The impact of dietary supplements on blood pressure in older adults: A network meta-analysis of randomized controlled trials. *Heliyon*. 2024 Feb 8;10(4):e25615.
6. Rai RK\*, **Bromage S\***. Estimated effect of age of marriage on utilisation of India's Integrated Child Development Service programme. *J Epidemiol Community Health*. 2024 Feb 9;78(3):184-190.
7. Madzorera I, Bliznashka L, Blakstad MM, Bellows AL, Canavan CR, Mosha D, **Bromage S**, Noor RA, Webb P, Ghosh S, Kinabo JL, Masanja H, Fawzi WW. Women's input and decision-making in agriculture are associated with diet quality in rural Tanzania. *Front Public Health*. 2023 Dec 6;11:1215462.
8. **Bromage S**, Pongcharoen T, Prachansuwan A, Sukhboon P, Srichan W, Purttiponthanee S, Deitchler M, Moursi M, Arsenaut J, Ali NB, Batis C, Fawzi WW, Winichagoon P, Willett WC, Kriengsinyos W. Performance of the Global Diet Quality Score (GDQS) app in predicting nutrient adequacy and metabolic risk in Thai adults. *J Nutr*. [in press: 2023 Oct 14]
9. Partap U, Sharma KK, Marathe Y, Wang M, Shaikh S, D'Costa P, Gupta G, **Bromage S**, Hemler EC, Mistry N, Kain KC, Dholakia Y, Fawzi WW. Vitamin D and Zinc Supplementation to Improve Treatment Outcomes among COVID-19 Patients in India: Results from a Double-Blind Randomized Placebo-Controlled Trial. *Curr Dev Nutr*. 2023 Jul 11;7(8):101971
10. Rai S, Wai PP, Koirala P, **Bromage S**, Nirmal NP, Pandiselvam R, Nor-Khaizura MAR, Mehta NK. Food Product Quality, Environmental and Personal Characteristics Affecting Consumer Perception Toward Food. *Front sustain food syst*. 2023 Jul 31;7:1222760.
11. Madzorera I, **Bromage S**, Mwanyika-Sando M, Vandormael A, Sherfi H, Worku A, Shinde S, Noor RA, Baernighausen T, Sharma D, Fawzi WW. Dietary intake and quality for young adolescents in sub-Saharan Africa: Status and influencing factors. *Matern Child Nutr*. 2023 Apr 4:e13463.
12. Ganmaa D, **Bromage S**, Khudyakov P, Erdenenbaatar S, Delgererekh B, Martineau AR. Influence of Vitamin D Supplementation on Growth, Body Composition, and Pubertal Development Among School-aged Children in an Area With a High Prevalence of Vitamin D Deficiency: A Randomized Clinical Trial. *JAMA Pediatr*. 2023 Jan 1;177(1):32-41.
13. **Bromage S\***. Integrated Spreadsheets for Nutritional Analysis of Population Diet Surveys. *J Vis Exp*. 2022 Oct 18;(188):e64327.
14. Sharma KK, Partap U, Mistry N, Marathe Y, Wang M, Shaikh S, D'Costa P, Gupta G, **Bromage S**, Hemler EC, Kain KC, Dholakia Y, Fawzi WW. Randomised trial to determine the effect of vitamin D and zinc supplementation for improving treatment outcomes among patients with COVID-19 in India: trial protocol. *BMJ Open*. 2022 Aug 29;12(8):e061301.
15. Shukla A, **Bromage S** [co-first authors], Dholakia Y, Hemler EC, Dev P, Govekar L, Tipre P, Shah D, Keshavjee SA, Wang M, Mistry N<sup>2</sup>, Fawzi WW<sup>2</sup>. Case-control study of vitamin D status and adult multidrug-resistant pulmonary tuberculosis in Mumbai, India. *Int J Tuberc Lung Dis*. 2022 Sep 1;26(9):826-834.



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16. Passarelli S, Free CM, Allen LH, Batis C, Beal T, Biloft-Jensen AP, **Bromage S**, Cao L, Castellanos-Gutiérrez A, Christensen T, Crispim SP, Dekkers A, De Ridder K, Kronsteiner-Gicevic S, Lee C, Li Y, Moursi M, Moyersoan I, Schmidhuber J, Shepon A, Viana DF, Golden CD. Estimating national and subnational nutrient intake distributions of global diets. *Am J Clin Nutr*. 2022 Aug 4;116(2):551-560.
17. Hemler EC, **Bromage S**, Tadesse AW, Zack R, Berhane Y, Canavan C, Fawzi WW, Willett WC. Associations of percent energy intake from total, animal and plant protein with overweight and underweight among adults in Addis Ababa, Ethiopia. *Public Health Nutr*. 2022 May 16:1-34.
18. Bater J, **Bromage S**, Jambal T, Tsendjav E, Lkhagvasuren E, Jutmann Y, Martineau AR, Ganmaa D. Prevalence and Determinants of Vitamin D Deficiency in 9595 Mongolian Schoolchildren: A Cross-Sectional Study. *Nutrients*. 2021 Nov 21;13(11):4175.
19. **Bromage S\***, Batis C, Bhupathiraju SN, Fawzi WW, Fung TT, Li Y, Deitchler M, Angulo E, Birk N, Castellanos-Gutiérrez A, He Y, Fang Y, Matsuzaki M, Zhang Y, Moursi M, Gicevic S, Holmes MD, Isanaka S, Kinra S, Sachs SE, Stampfer MJ, Stern D, Willett WC. Development and Validation of a Novel Food-Based Global Diet Quality Score (GDQS). *J Nutr*. 2021 Oct 23;151(Supplement\_2):75S-92S.
20. Angulo E, Stern D, Castellanos-Gutiérrez A, Monge A, Lajous M, **Bromage S**, Fung TT, Li Y, Bhupathiraju SN, Deitchler M, Willett WC, Batis C. Changes in the Global Diet Quality Score, Weight, and Waist Circumference in Mexican Women. *J Nutr*. 2021 Oct 23;151(Supplement\_2):152S-161S.
21. Fung TT, Li Y, **Bromage S**, Bhupathiraju SN, Batis C, Fawzi W, Holmes MD, Stampfer M, Hu FB, Deitchler M, Willett WC. Higher Global Diet Quality Score Is Associated with Less 4-Year Weight Gain in US Women. *J Nutr*. 2021 Oct 23;151(Supplement\_2):162S-167S.
22. Moursi M, **Bromage S**, Fung TT, Isanaka S, Matsuzaki M, Batis C, Castellanos-Gutiérrez A, Angulo E, Birk N, Bhupathiraju SN, He Y, Li Y, Fawzi W, Danielyan A, Thapa S, Ndiyoi L, Vossenaar M, Bellows A, Arsenault JE, Willett WC, Deitchler M. There's an App for That: Development of an Application to Operationalize the Global Diet Quality Score. *J Nutr*. 2021 Oct 23;151(Supplement\_2):176S-184S.
23. Fung TT, Li Y, Bhupathiraju SN, **Bromage S**, Batis C, Holmes MD, Stampfer M, Hu FB, Deitchler M, Willett WC. Higher Global Diet Quality Score Is Inversely Associated with Risk of Type 2 Diabetes in US Women. *J Nutr*. 2021 Oct 23;151(Supplement\_2):168S-175S.
24. He Y, Fang Y, **Bromage S**, Fung TT, Bhupathiraju SN, Batis C, Deitchler M, Fawzi W, Stampfer MJ, Hu FB, Willett WC, Li Y. Application of the Global Diet Quality Score in Chinese Adults to Evaluate the Double Burden of Nutrient Inadequacy and Metabolic Syndrome. *J Nutr*. 2021 Oct 23;151(Supplement\_2):93S-100S.
25. **Bromage S\***, Zhang Y, Holmes MD, Sachs SE, Fanzo J, Remans R, Sachs JD, Batis C, Bhupathiraju SN, Fung TT, Li Y, Stampfer MJ, Deitchler M, Willett WC, Fawzi WW. The Global Diet Quality Score Is Inversely Associated with Nutrient Inadequacy, Low Midupper Arm Circumference, and Anemia in Rural Adults in Ten Sub-Saharan African Countries. *J Nutr*. 2021 Oct 23;151(Supplement\_2):119S-129S.
26. **Bromage S\***, Andersen CT, Tadesse AW, Passarelli S, Hemler EC, Fekadu H, Sudfeld CR, Worku A, Berhane H, Batis C, Bhupathiraju SN, Fung TT, Li Y, Stampfer MJ, Deitchler M, Willett WC, Fawzi WW. The Global Diet Quality Score is Associated with Higher Nutrient Adequacy, Midupper Arm Circumference, Venous Hemoglobin, and Serum Folate Among Urban and Rural Ethiopian Adults. *J Nutr*. 2021 Oct 23;151(Supplement\_2):130S-142S.





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27. Castellanos-Gutiérrez A, Rodríguez-Ramírez S, **Bromage S**, Fung TT, Li Y, Bhupathiraju SN, Deitchler M, Willett W, Batis C. Performance of the Global Diet Quality Score with Nutrition and Health Outcomes in Mexico with 24-h Recall and FFQ Data. *J Nutr.* 2021 Oct 23;151(Supplement\_2):143S-151S.
28. Birk N, Matsuzaki M, Fung TT, Li Y, Batis C, Stampfer MJ, Deitchler M, Willett WC, Fawzi WW, **Bromage S**, Kinra S, Bhupathiraju SN, Lake E. Exploration of Machine Learning and Statistical Techniques in Development of a Low-Cost Screening Method Featuring the Global Diet Quality Score for Detecting Prediabetes in Rural India. *J Nutr.* 2021 Oct 23;151(Supplement\_2):110S-118S.
29. Matsuzaki M, Birk N, **Bromage S**, Bowen L, Batis C, Fung TT, Li Y, Stampfer MJ, Deitchler M, Willett WC, Fawzi WW, Kinra S, Bhupathiraju SN. Validation of Global Diet Quality Score Among Nonpregnant Women of Reproductive Age in India: Findings from the Andhra Pradesh Children and Parents Study (APCAPS) and the Indian Migration Study (IMS). *J Nutr.* 2021 Oct 23;151(Supplement\_2):101S-109S.
30. Andersen CT, Tadesse AW, **Bromage S**, Fekadu H, Hemler EC, Passarelli S, Spiegelman D, Sudfeld CR, Worku A, Berhane Y, Fawzi WW. Anemia Etiology in Ethiopia: Assessment of Nutritional, Infectious Disease, and Other Risk Factors in a Population-based Cross-sectional Survey of Women, Men, and Children. *J Nutr.* 2021 Oct 14:nxab366.
31. Golden CD, Koehn JZ, Shepon A, Passarelli S, Free CM, Viana DF, Matthey H, Eurich JG, Gephart JA, Fluet-Chouinard E, Nyboer EA, Lynch AJ, Kjelleevold M, **Bromage S**, Charlebois P, Barange M, Vannuccini S, Cao L, Kleisner KM, Rimm EB, Danaei G, DeSisto C, Kelahan H, Fiorella KJ, Little DC, Allison EH, Fanzo J, Thilsted SH. Aquatic foods to nourish nations. *Nature.* 2021 Sep 15.
32. Madzorera I, Jaacks L, Paarlberg R, Herforth A, **Bromage S**, Ghosh S, Myers S, Masters W, Fawzi WW. Food systems as drivers of optimal nutrition and health – Complexities and opportunities for research and implementation. *Curr Dev Nutr.* 2021 May 24;5(Suppl 3):nzab062.
33. Rai RK, **Bromage S**, Fawzi WW. Receipt of Weekly Iron Supplementation among Indian Children, 2005-2016. *Curr Dev Nutr.* 2021 Mar 3;5(3):nzab020.
34. Gicevic S, Tahirovic E, **Bromage S**, Willett W. Diet quality and all-cause mortality among U.S. adults, estimated from NHANES, 2003-2008. *Public Health Nutr.* 2021 Feb 24:1-25.
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