Ready to start planning your care? Call us at [800-525-2225](tel:800-525-2225)   to make an appointment.

✕

Memorial Sloan Kettering Cancer Center

Make an Appointment

‹   Back

Make an Appointment
Learn About Cancer & Treatment
Learn About Cancer & Treatment

ABOUT US

Our mission, vision & core values

Leadership

History

Inclusion & belonging

Annual report

Give to MSK

FOR THE MEDIA

Email

baserr@mskcc.org

Education

University of Michigan

Current Research Interests

Ray has expertise in the measurement and analysis of Patient-Reported Outcome (PRO) data, psychometrics, and clinical trial design and analysis. He currently collaborates extensively with researchers in the MSKCC Integrative Medicine service on clinical trials evaluating the effectiveness of various integrative medicine therapies (e.g., acupuncture, massage, music therapy) at improving patient-reported outcomes such as pain, anxiety, and sleep disturbance. He also collaborates with Dr. Katherine Panageas and Health Informatics in service of the new MATCHES (Making Telehealth Delivery of Cancer Care at Home Effective and Safe) Telehealth Research Center, one of four such centers funded by the National Cancer Institute's Telehealth Research Centers of Excellence (TRACE) initiative. Previously, Ray served as co-chair of the MSKCC Biostatistics Protocol Review Committee for over 10 years. In that role, he developed guidelines to improve and standardize how the PRO components of research are detailed in MSKCC research protocols.

Ray is the author and maintainer of three R packages intended to help facilitate accurate and consistent scoring of PRO measures: (1) FACTscorer (https://github.com/raybaser/FACTscorer) scores most of the questionnaires in the "FACT" (Functional Assessment of Cancer Therapy) and "FACIT" (Functional Assessment of Chronic Illness Therapy) quality of life measurement systems; (2) PROscorer (https://cran.r-project.org/package=PROscorer) is a more general repository of scoring algorithms for commonly used PRO measures; (3) PROscorerTools (https://cran.r-project.org/package=PROscorerTools) contains helper functions that form the backbone of the functions in PROscorer.

Publications

Mao JJ, Liou KT, Baser RE, et al. Effectiveness of Electroacupuncture or Auricular Acupuncture vs Usual Care for Chronic Musculoskeletal Pain Among Cancer Survivors: The PEACE Randomized Clinical Trial. JAMA Oncology. 2021;7(5):720-727. doi:10.1001/jamaoncol.2021.0310

Bao T, Baser R, Chen C, et al. Health-Related Quality of Life in Cancer Survivors with Chemotherapy-Induced Peripheral Neuropathy: A Randomized Clinical Trial. The Oncologist. 2021;26(11):e2070-e2078. doi:10.1002/onco.13933

Baser RE, Li Y, Brennessel D, Kemeny MM, Hay JL. Measurement invariance of intuitive cancer risk perceptions across diverse populations: The Cognitive Causation and Negative Affect in Risk scales. J Health Psychol. 2019;24(9):1221-1232. doi:10.1177/1359105317693910

Li Y, Baser R. Using R and WinBUGS to fit a generalized partial credit model for developing and evaluating patient-reported outcomes assessments. Statistics in Medicine. 2012;31(18):2010-2026.

Baser RE, Li Y, Carter J. Psychometric validation of the female sexual function index (FSFI) in cancer survivors. Cancer. 2012;118(18):4606-4618. doi:10.1002/cncr.26739

[View a full listing of Ray Baser's journal articles.](#)