A01 **Opportunities for and benefits of incorporating data visualization in population sciences.** Nadia T Chung, City of Hope, Duarte, CA.

A02 **Modification of the association between daily aspirin use and ovarian cancer risk by potentially modifiable risk factors.** Lauren M Hurwitz, National Cancer Institute, Rockville, MD.

A03 **Applying Machine Learning Approaches to Social Environmental Data from the U.S. Census in Cancer Studies: Challenges and Considerations.** Shannon M Lynch, Fox Chase Cancer Center, Philadelphia, PA.

A04 **NCI programs supporting technology development for population studies in digital age.** Leah E Mechanic, National Cancer Institute, Bethesda, MD.

A05 **Fusobacterium nucleatum and clinicopathologic features of colorectal carcinoma: results from the ColoCare Cohort.** Jennifer Ose, Huntsman Cancer Institute, Salt Lake City, UT.

A06 **Associations of pre-diagnostic metabolomic profiles with colorectal cancer risk – A collaborative re-analysis within the COnsortium of METabolomic Studies (COMETS).** Jennifer Ose, Huntsman Cancer Institute, Salt Lake City, UT.

A07 **Connecting remote patient monitoring, DNA-based immunophenotyping, and clinical outcomes data.** Curtis L Petersen, Dartmouth Geisel School of Medicine, Lebanon, NH.

A08 **Geocoding and integrating multiple environmental exposomics sources: Assessing population hazard to lung carcinogens in 421 zip-codes of a cancer center catchment area.** Thomas P McKeon, University of Pennsylvania, Philadelphia, PA.

A09 **Predicting recurrence or second breast cancer using linked claims and cancer registry data with limited gold-standard information: A gradient-boosting approach.** Teresa A’mar, Fred Hutchinson Cancer Research Center, Seattle, WA.

A10 **Using large linked databases to understand cancer care access in northwestern Ontario, Canada.** Michael Conlon, Health Sciences North Research Institute, Sudbury, Ontario, Canada.

A11 **How to adjust comorbidity in mortality outcome in Korean cancer patients using claim-based healthcare big data.** Sanghee Lee, National Cancer Center, Ilsan, Republic of Korea.
A12 Evaluating physician network-based measures of care coordination through the lens of the patient experience. Erika L Moen, Dartmouth Geisel School of Medicine, Lebanon, NH.

A13 Linking cancer and vaccine registries in a retrospective cohort study: Risk of metastasis following perioperative vaccine use among cancer patients. Christiaan H Righolt, University of Manitoba, Winnipeg, Manitoba, Canada.


A15 Utilizing electronic fertility clinic records and registry linkage to establish a retrospective population-based cohort study to evaluate the association between in vitro fertilization (IVF) and subsequent cancer risk in women. Britton Trabert, Division of Cancer Epidemiology and Genetics, National Cancer Institute, Bethesda, MD.


A17 An innovative physical activity intervention in overweight and obese adults using continuous glucose monitor. Yue Liao, MD Anderson Cancer Center, Houston, TX.


A19 Aspirin use and ovarian cancer risk by lymphocyte infiltration. Mollie E. Barnard, Huntsman Cancer Institute, Salt Lake City, UT.

A20 AHRR hypomethylation in heavy smokers: Associations with lung cancer risk and mortality. Laurie Grieshober, Huntsman Cancer Institute, University of Utah, Salt Lake City, UT.

A21 Effect of forced-response on completion rate in objective internet-based health survey. Lenna Dawkins-Moultin, City of Hope, Duarte, CA.

A22 Challenges using mobile technology for research participation in preventive health research: A preliminary investigation with spanish-speaking latinas. Alejandro Fernandez, City of Hope, Duarte, CA.

A23 Using internet-platform technology to train community-based researchers in developing countries: Lessons Learned from a Caribbean Study. Kamilah B Thomas-Purcell, Nova Southeastern University, Ft. Lauderdale, FL.

A24 Establishing feasibility of a new cohort: the 10,000 Families Study. DeAnn Lazovich, University of Minnesota, Minneapolis, MN.
A25 Collecting gut microbiome in the 10,000 Families Study. Anna Prizment, University of Minnesota, MN.

A26 Pilot Trial to Examine the Effect of Ginger on the Gut Microbiome: The Minnesota Cancer Clinical Trials Network. Jen Poynter, University of Minnesota, MN.

A27 Linking electronic health records with cancer registry data for epidemiology and health services research: challenges and opportunities. Caroline A Thompson, San Diego State University, San Diego, CA.

A28 Field Application of Digital Technologies for Health Assessment in the 10,000 Families Study. Bharat Thyagarajan, University of Minnesota, Minneapolis, MN.

A29 A tale of two diverse Qualtrics samples: Information for online survey researchers. Heather Saunders, Virginia Commonwealth University, Richmond, VA.

A30 Comparing mail-based and internet population health assessment data: Survey implementation protocol. Carrie A Miller, Virginia Commonwealth University, Richmond, VA.

A31 Online panel sample recruitment and characteristics: An analysis of those who initiate versus complete an internet survey. Carrie A Miller, Virginia Commonwealth University, Richmond, VA.

A32 Process improvement in online consenting for the Moffitt Cancer Center Total Cancer Care biobanking protocol. Erin M Siegel, Moffitt Cancer Center, Tampa, FL.

A33 Device-based, objective measurement of physical activity and sedentary behavior in a large U.S. cohort. Alpa V Patel, American Cancer Society, Atlanta, GA.

A34 Differences between self-reported and electronically monitored adherence among Korean breast cancer patients receiving endocrine therapy. Yul Ha Min, Gachon University, Incheon, South Korea.

A35 Feasibility of assessing individual’s diet using a web-based dietary assessment tool, ASA24, in a longitudinal observational study. Yikyung Park, Division of Public Health Sciences, Washington University School of Medicine, St. Louis, MO.

A36 Examining the #HPV vaccine on Instagram: An analysis of post context, imagery, and sentiment. Preethi Selvan, Jefferson University, Philadelphia, PA.

A37 Using web-based tools to assess familial cancer risk in diverse populations. Heather Spencer Feigelson, Kaiser Permanente Institute for Health Research, Denver, CO.

A38 Supporting post-mastectomy breast reconstruction choices through personalized risk prediction and a decision support tool. Mary C Politi, Washington University in St Louis, School of Medicine, St Louis, MO.
A39 Feasibility of online recruitment and retention of a large-scale observational psychiatric initiative. Anne-Mary N. Salib, 23andMe Inc., Mountain View, CA.