D002 Associations between multi-level health factors and cancer mortality according to rural residence. Amy Trentham-Dietz. University of Wisconsin, Madison, Madison, WI, USA.

D003 Validating a population-weighted areal interpolation method to estimate cancer rates across differing geographies. Jenna Khan-Gates. University of Illinois Cancer Center, Chicago, IL, USA.

D004 Beyond socioeconomic and racial composition: Association between neighborhood disorder and breast cancer survival. Jesse Plascak. Department of Biostatistics and Epidemiology, School of Public Health, Rutgers, The State University of New Jersey, Piscataway, NJ, USA.

D005 Outcomes of a cancer research fellowship program for underrepresented high school students. Ekenechukwu Akabike. University of California San Diego, San Diego, CA, USA.


D007 Mammographic Breast Density and Acculturation: Longitudinal Analysis in Chinese Immigrants. Rebeca Almeida. California Polytechnic State University, San Luis Obispo, CA, USA.


D009 Racial/ethnic disparities in knowledge of Human Papilloma Virus (HPV) and the HPV vaccine among individuals with a regular healthcare provider: Results from the Health Information National Trends Survey, United States, 2017-2018. Jane Montealegre. Baylor College of Medicine, Houston, TX, USA.

D010 Developing an inflammatory breast cancer campaign: Results from focus groups led by Komen scholars. Portia Andrews. North Carolina Central University, Durham, NC, USA.

D011 Assessing a toolkit and training community health workers to increase colorectal cancer screening rates among Hispanics in New Mexico. Lila Baca. University of New Mexico, Albuquerque, NM, USA.

D012 Using Geographic Information Systems Mapping to Target a Cancer Prevention Theater Outreach Program to the Medically Underserved. Betsy Escobar. Baylor College of Medicine, Houston, TX, USA.

D013 EHE Foundation. Medha Deoras-Sutliff. EHE Foundation, Newark, NJ, USA.
D014 Assessing an Intervention to Increase Cervical Cancer Knowledge and HPV Vaccination Knowledge among Predominantly African American Communities in South Carolina. Marvella Ford. Medical University of South Carolina, Charleston, SC, USA.

D015 A Hispanic community’s evaluation of the culturally adapted Conexiones program: An inductive analysis of focus groups. Isela Garcia. New Mexico State University, Las Cruces, NM, USA.

D016 Colorectal cancer education among ethnic minority populations. Marisela Garcia. City of Hope, Duarte, CA, USA.

D017 Leveraging Service Learning to promote Cancer Health Education in Milwaukee Public High Schools. Kathleen Jensik. Medical College of Wisconsin, Milwaukee, WI, USA.

D018 Dietary and Cultural Practices of Minorities in New York City as an indicator of Colorectal Cancer Screening Behavior and Screening Intent. Cicely Johnson. Hunter College - Center for Cancer Health Disparities Research, New York, NY, USA.

D019 SGM Cancer CARE: Creating a Health Workforce Trained to Conduct Sexual and Gender Minority (SGM) Affirmative Research from Prevention to Survivorship. Miria Kano. University of New Mexico, Albuquerque, NM, USA.

D020 Addressing the needs of Cedars-Sinai Cancer’s catchment area: cancer screening compliance among the Korean community in Los Angeles. Dong Hee Kim. Research Center for Health Equity, Samuel Oschin Comprehensive Cancer Institute, Cedars Sinai Medical Center, Los Angeles, CA, USA.


D022 A Novel Strategy to Assess Impact of Community Outreach and Education Activities for Hispanic Communities: the Preliminary Results of the CONTINUAR protocol. Jomar Lopez. Moffitt Cancer Center & Research Institute, Tampa, FL, USA.

D023 Eat, move, live: a community-based intervention strategy aimed at reducing the perceived barriers toward healthy eating through tailored modifications in lifestyle and nutrition. Katty Nerio. City of Hope, Duarte, CA, USA.

D024 Evaluating Cultural Contexts in Social Support Instruments Used with African American Cancer Survivors: a Systematic Review. Shaila Strayhorn. University of Illinois at Chicago, Chicago, IL, USA.

D025 “Place it in God’s Hands”: Exploring the Influence of Sources of Social Support and Religious Coping Practices of African American Breast Cancer Survivors. Shaila Strayhorn. University of Illinois at Chicago, Chicago, IL, USA.

D026 Correlates of Lifestyle Behaviors to Prevent Colorectal Cancer among Low-Income Vietnamese Americans. Minsun Lee. Center for Asian Health, Lewis Katz School of Medicine, Temple University, Philadelphia, PA, USA.
D027 Disparities in HPV awareness and knowledge of HPV associated cancers. Robel Tesfay. National Cancer Institute Center of Global Health, Rockville, MD, USA.

D028 Evaluating Medical and Dental Students’ Human Papillomavirus-Related Cancer Knowledge and Perceived Self-Efficacy in HPV Vaccine Communication and Recommendation Practices. Essie Torres. East Carolina University, Greenville, NC, USA.

D029 What do Veterans ages 27 years and older know and think about the HPV vaccine?. Lisa T Wigfall. Texas A&M University, College Station, TX, USA.

D030 Arguments in favor and against the new HPV school entry implementation in Puerto Rico: content analysis of online media coverage. Glizette O. Arroyo-Morales. University of Puerto Rico, Medical Sciences Campus, School of Public Health, San Juan, PR, USA.


D032 Characterizing county-level community context, patient-caregiver networks, and social functioning among rural cancer survivors and caregivers: Preliminary data from the Illinois Rural Cancer Assessment. Leslie Carnahan. University of Illinois at Chicago, Chicago, IL, USA.

D033 High intensity interval training is feasible in Hispanic patients with breast cancer undergoing anthracycline chemotherapy. Christina Dieli-Conwright. City of Hope, Los Angeles, CA, USA.

D034 Patient and provider concordance and trust in providers among West African Immigrants: Findings from the CaPTC Familial Cohort Study. Adaora Ezeani. University of Florida, Orlando, FL, USA.

D035 Tracking of undergraduate research trainees for continuous improvement of the ReTOOL program. Parisa Fathi. University of Florida, Orlando, FL, USA.

D036 Assessing Underrepresented and Health Disparities Investigators’ Interests and Needed Research Support in Emerging Areas of Science. Linda Fleisher. Fox Chase Cancer Center, Philadelphia, PA, USA.

D037 Training the next generation of undergraduate URM cancer scientists: Results and lessons learned from a cancer research Partnership Scholar Program. Elinor Gaida. San Diego State University, University of California San Diego Cancer Center Comprehensive Partnership, San Diego, CA, USA.

D038 MTPCCR lives on! After 20 successful years - a new phase for the cancer diversity training program. Marjorie Kagawa-Singer. University of California Los Angeles, Los Angeles, CA, USA.

D039 Student-centered Pipeline to Advance Research in Cancer Careers (SPARCC): A new program to increase underrepresented minorities in clinical cancer research careers. Kristina Kaljo. Medical College of Wisconsin, Milwaukee, WI, USA.
D040 University of Guam/University of Hawaii Cancer Center Partnership: Sixteen years of progress in addressing cancer health disparities in Pacific Islanders. Rachael Leon Guerrero. University of Guam, Mangilao, Guam, USA.

D041 Efforts to implement a participatory evaluation plan for Comprehensive Partnerships to Advance Cancer Health Equity. Jessica McIntyre. Moffitt Cancer Center, Tampa, FL, USA.

D042 Perceptions and barriers to physical activity among Latino adults. Rosenda Murillo. University of Houston, Houston, TX, USA.

D043 Éxito!: Building a new pipeline of Latino doctors and cancer researchers. Arely Perez. UT Health San Antonio, San Antonio, TX, USA.


D045 Content analysis of online media coverage of the Human papillomavirus vaccine as a school-entry policy in Puerto Rico. Vilnery Rivera-Figuera. University of Puerto Rico, Medical Sciences Campus, School of Public Health, Department of Health Administration, Evaluative Research of Health Systems Program, San Juan, PR, USA.

D046 Supportive care needs in diverse cancer patients treated at a Comprehensive Cancer Center. Kelsey Shore. Wake Forest Baptist Comprehensive Cancer Center, Winston-Salem, NC, USA.

D047 Human papillomavirus school-entry vaccination mandate in Puerto Rico: Barriers and facilitators from the perspective of key informants. Roxana Soto-Abreu. Comprehensive Cancer Center, Division of Cancer Control and Population Sciences, San Juan, PR, Puerto Rico.

D048 Social support, quality of life and mental health factors affecting Filipino cancer survivors. Annalyn Valdez-Dadia. California State University, Dominguez Hills, Carson, CA, USA.

D049 Establish Patient Derived Pancreatic Cancer Cell Organotypic Models for Personalized Drug Treatment. Bo Han. University of Southern California, Los Angeles, CA, USA.

D050 Enhancing efficacy of modified-gemcitabine nanoparticles in pancreatic PDX model. Andriana Inkoom. Florida A&M University, Tallahassee, FL, USA.

D051 Targeting ubiquitin receptor ADRM1 for the treatment of quadruple negative breast cancer. Balasubramanyam Karanam. Tuskegee University, Tuskegee, AL, USA.

D052 Pharmacokinetic analysis of co-formulation of calcipotriol and paclitaxel for pancreatic ductal adenocarcinoma shows reduced systemic exposures and eliminations: Implications for safety and efficacy. Victor Lincha. University of Houston, Houston, TX, USA.

D055 Molecular mechanisms of cisplatin-induced toxicity to acute promyelocytic leukemia cells. Paul Tchounwou. Jackson State University, Jackson, MS, USA.
D056 Differences in breast cancer survival by race, age, and tumor estrogen receptor status. Ewune Ewane. UT Health M.D. Anderson Cancer Center, Houston, TX, USA.

D057 Impact of antibiotic exposure on the overall survival in patients receiving immune checkpoint inhibitors: Does race matter?. Armani Hayes. Edward Waters College, Jacksonville, FL, USA.

D058 Truth Talking Tour: Women’s Sexuality after Cancer. Candace Henley. Blue Hat Foundation, Chicago, IL, USA.

D059 Bridge to Good Living: Thriving beyond lung cancer in West Virginia. Stephenie Kennedy-Rea. West Virginia University Cancer Institute, Morgantown, WV, USA.

D060 Impact of physical activity and sleep quality on quality of life in rural cancer survivors in central Pennsylvania. Scherezade Mama. The Pennsylvania State University, University Park, PA, USA.

D061 Long term socioeconomic status of childhood leukemia survivors and their family in a universal healthcare coverage system: A PETALE Study. Sophie Marcoux. Université de Montréal, Montréal, Québec, Canada.

D062 Mechanistic Insights into Phase 1b/2 study of Chitosan for Pharmacologic Manipulation of AGE (Advanced Glycation Endproducts) Levels in Prostate Cancer Patients. Shanora Brown. South Carolina State University, Orangeburg, SC, USA.

D063 Intratumoral macrophage analysis and characterization of HER2+ pretreatment breast tumor biopsy using multiplex immunofluorescence. Emmaly Gutierrez. Stony Brook University, Stony Brook, NY, USA.


D065 Investigating the Interplay of monocytes in the tumor microenvironment of glioblastomas. Maryam Tayyab. Stony Brook University, Stony Brook, NY, USA.


D067 The REACT study: a feasibility study to develop and test the integration of a California Cancer Registry Early Case Ascertainment process via electronic pathology reporting with an online Clinical Trial matching tool. Hala Borno. University of California, San Francisco, San Francisco, CA, USA.

D069 Does adherence to National Comprehensive Cancer Network (NCCN) practice guidelines improve survival? Kiran Clair. University of California, Irvine, Irvine, CA, USA.

D070 Examining medical providers’ involvement in diabetes and hypertension clinical care management of Black breast cancer patients. Michelle Doose. Rutgers School of Public Health, Piscataway, NJ, USA.

D071 Impact of Racial Differences in Financial Burden on Time to Treatment. Wendi Elkins. University of North Carolina Chapel Hill, Chapel Hill, NC, USA.

D072 Challenges providing gynecologic cancer care for women in Puerto Rico after the impact of hurricanes Irma and Maria: Findings from Key Informant Interviews. Sandra García-Camacho. Cancer Control and Population Sciences Division, University of Puerto Rico Comprehensive Cancer Center, San Juan, PR, USA.

D073 Combination of insulin-like growth factor-1 receptor/insulin receptor (IGF1R/IR) and androgen receptor (AR) antagonists with metformins inhibit triple-negative breast cancer (TNBC) progression in vitro and in vivo. Nalo M. Hamilton. UCLA School of Nursing, Los Angeles, CA, USA.

D074 Variations in genomic testing across cancer sites and by demographic characteristics. Siran Koroukian. Case Western Reserve University, Cleveland, OH, USA.

D075 Investigating the immuno-biology underlying differential response to immunotherapy in White and non-White patients with metastatic acral melanoma. Kaysia Ludford. The University of Texas MD Anderson Cancer Center, Houston, TX, USA.

D076 Florida-California Cancer Health Disparity Research, Education & Engagement (CaRE2) Center: Research Education Overview and Preliminary Results. Bereket Mochona. Florida A&M University, Tallahassee, FL, USA.

D077 Sociodemographic and Geographic Disparities in Treatment for Early Stage Non-Small Cell Lung Cancer (NSCLC) Patients in California. Chelsea Obrochta. San Diego State University/ University of California, San Diego, San Diego, CA, USA.

D078 Unlocking the vault: Can 2nd opinions by Comprehensive Cancer Center breast oncologists improve treatment quality for African Americans? Rena Pasick. UCSF, San Francisco, CA, USA.

D079 Oncologists’ approach in managing pre-existing chronic comorbidities during patients’ active cancer treatment. Dudith Pierre-Victor. National Cancer Institute, Bethesda, MD, USA.

D080 Securing the cancer continuum of care model for racially and ethnically diverse and medically underserved populations. Jeanne Regnante. Sustainable Healthy Communities, Washington, DC, USA.

D081 Geographic relationship between lung cancer clinical trial sites and patient prevalence and demographics in the Medicare Fee-for-service program. Jeanne Regnante. Sustainable Healthy Communities LLC, Washington, DC, USA.
D083 Care burden of informal caregivers of African American cancer survivors. Julie Ruterbusch. Wayne State University, Detroit, MI, USA.

D084 Overall survival (OS) of African-American (AA) and Caucasian (CAU) men who received sipuleucel-T for metastatic castration-resistant prostate cancer (mCRPC) - final PROCEED analysis. Oliver Sartor. Tulane Medical School, New Orleans, LA, USA.

D085 Differences in the use of proton beam therapy among patients diagnosed with American Society for Radiation Oncology Group 1 proton beam therapy indication cancer types in the United States. Helmneh Sineshaw. American Cancer Society, Atlanta, GA, USA.

D086 Assessing patient-level knowledge of precision medicine in a community health center setting. Melinda Aldrich. Vanderbilt University Medical Center, Nashville, TN, USA.

D087 Racial/ethnic differences in ovarian cancer incidence and mortality among adult women in the United States, 2001-2016. Fangjian Guo. University of Texas Medical Branch, Galveston, TX, USA.


D090 CAN EXPOSURE TO ENVIRONMENTAL CHEMICAL AND BIOLOGICAL AGENTS INCREASE THE RISK OF PROSTATE CANCER AND ITS OUTCOMES?. Georges Adunlin. McWhorter School of Pharmacy, Samford University, Birmingham, AL, USA.

D091 The impact of distance to hospital on cervical cancer outcomes. Sejong Bae. University of Alabama at Birmingham, Birmingham, AL, USA.

D092 Racial disparities in HIV-associated lymphoma. Gregory Calip. University of Illinois at Chicago, Chicago, IL, USA.

D093 Who carries the excess cancer risk burden: Implications of disparities in polycyclic aromatic hydrocarbon exposure. Larisa Gearhart-Serna. Duke University School of Medicine, Durham, NC, USA.

D094 Associations among state-level racial inequality, individual-level unfair treatment, and incident breast cancer in a risk-enriched cohort. Erin Linnenbringer. Washington University School of Medicine, St. Louis, MO, USA.

D095 Plasma levels of polychlorinated biphenyls (PCBs) and breast cancer mortality: The Carolina Breast Cancer Study. Humberto Parada. San Diego State University, San Diego, CA, USA.

D096 Disparities in toxic heavy metal burden and breast cancer risk: Findings from the Metropolitan Chicago Breast Cancer Registry. Garth Rauscher. University of Illinois at Chicago, Chicago, IL, USA.
D097 Association between high mammographic density and environmental chromium and arsenic exposure in a pilot study of women living in rural communities. L. Joseph Su. University of Arkansas for Medical Sciences, Little Rock, AR, USA.


D100 Exposure to phthalates and risk of invasive breast cancer: the Multiethnic Cohort Study. Anna Wu. University of Southern California, Los Angeles, CA, USA.

D101 Breast cancer in Black women: Do risk factors differ for those who have a family history of breast cancer?. Gary Zirpoli. Slone Epidemiology Center at Boston University, Boston, MA, USA.

D102 Lower acculturation is associated with lower aerobic physical activity among recent Latino immigrant cancer survivors. Shreya Desai. University of Houston, Houston, TX, USA.

D103 Retrospective study of patients with esophageal squamous cell carcinoma in an urban safety net county hospital. Divya Ayyala. LAC USC, Los Angeles, CA, USA.

D104 Presentation, Treatment, and Survival of Hepatocellular Carcinoma (HCC) in a Diverse Population: Experience of A Single Transplant Center. Afsaneh Barzi. USC, Los Angeles, CA, USA.

D105 Differences in receipt of surgery contribute to survival disparities in esophageal and gastric cancers. John Bliton. Montefiore Medical Center, Department of Surgery, Bronx, NY, USA.

D106 Divergent biology in ethnically diverse populations is central to health disparities in pancreatic ductal adenocarcinoma. Miles Cameron. University of Florida Health Sciences Center, Gainesville, FL, USA.

D107 Intratumoral heterogeneity in Latino gastric adenocarcinomas. Luis Carvajal Carmona. University of California Davis, Davis, CA, USA.

D108 Developing Precision Medicine Approaches to Address Liver Cancer Disparities. Yvonne Flores. UCLA, Los Angeles, CA, USA.

D109 Helicobacter pylori infections in Navajo communities of Northern Arizona. Robin Harris. University of Arizona Cancer Center, Tucson, AZ, USA.


D111 Incidence and survival patterns of gastroenteropancreatic neuroendocrine neoplasms in California. Alan Paciorek. UCSF, San Francisco, CA, USA.

D113 Socioeconomic disparities underlie outcomes in patients with pancreatic neuroendocrine tumors. Patrick Underwood. University of Florida College of Medicine, Gainesville, FL, USA.

D114 Vitamin D signaling of immune-related genes in diverse prostate cancer cell lines. Leanne Burnham. City of Hope National Medical Center, Duarte, CA, USA.

D115 The interplay between rurality-urbanicity and race in prostate cancer risk, treatment, and survival in the United States. Eboneé Butler. National Cancer Institute, Bethesda, MD, USA.

D116 Glucocorticoid receptor interacts with beta-catenin to promote stemness and therapy resistance in prostate cancer cells. Carlos Casiano. Loma Linda University School of Medicine, Loma Linda, CA, USA.

D117 Differential reactivity and cell migration inhibitory functions of autoantibodies to Enolase 1 from African American and European American men with prostate cancer. Carlos Casiano. Loma Linda University School of Medicine, Loma Linda, CA, USA.

D118 Insulin receptor splicing regulation as a potential target for improved prostate cancer disparity outcomes. Dawn Chandler. Nationwide Children's Hospital, Columbus, OH, USA.


D120 Similarities and differences between genomic profiles of prostate cancers from African American and European American men with implications for precision cancer medicine. Campbell Joshua. Boston University School of Medicine, Boston, MA, USA.

D121 Predicting African American and European American patient response to kidney cancer immunotherapy by stage using the tumor microenvironment. Khadijah A. Mitchell. Lafayette College, Easton, PA, USA.


D126 **Racial disparities among patients with carcinoma of the cervix.** Toms Vengaloor Thomas. University of Mississippi Medical Center, Jackson, MS, USA.

D127 **Is there a racial disparity in the prognosis of hypopharyngeal carcinoma? 25-year experience from a tertiary care medical center in the United States.** Toms Vengaloor Thomas. University of Mississippi Medical Center, Jackson, MS, USA.

D128 **Oropharyngeal cancer incidence-based mortality trends in the United States, 1985-2016.** Nosayaba Osazuwa-Peters. Saint Louis University School of Medicine, Saint Louis, MO, USA.

D129 **The salivary proteome of african american and white american males diagnosed with laryngeal cancer.** Derek Wagner. Meharry Medical College, Nashville, TN, USA.

D130 **The importance of closing the gap in cancer disparities.** Kimberly Alexander. Independent Advocate, Frisco, TX, USA.

D131 **Multiple myeloma in Puerto Rico.** Marisel Brignoni. dot4life, San Juan, Puerto Rico.

D132 **The association between Insurance and lung cancer survival: the relative contributions of sociodemographic, tumor, treatment, and neighborhood factors.** Ying Liu. Washington University School of Medicine, St. Louis, MO, USA.

D133 **Development of a racially/ethnically diverse collection of immortalized lung epithelial cell lines to model lung adenocarcinoma development and drug resistance across population groups.** Ite Offringa. University of Southern California, Los Angeles, CA, USA.


D135 **Early low-dose lung cancer screening education.** David R. Reese. Independent Advocate, Athens, TN, USA.