Administrative and Large-Scale Database Methods

A01  Standardizing tracking and evaluation in cancer disparities research: Utilizing REDCap to track training, education and community engagement activities.  Iheanyi Beverly Chukwudozie, Karriem S. Watson, Stacey Rhodes, Ahlam Al-Kodmany, Erica Martinez, Christopher Gay, Marian L. Fitzgibbon, Paul Grippo, Robert A. Winn, Robert A. Winn.

Neighborhood Factors

A02  Investigating the association between social disorganization, Health-related quality of Life (HRQL), and Prostate Cancer diagnoses in African American Men.  Carolyn D Rodgers, Shannon Zenk, Karriem S Watson, Robert Winn, Rupert Evans, Catherine Balthazar, Iheanyi Beverly Chukwudozie.

Administrative and Large-Scale Database Methods


Bioinformatics

A04  Identification of differentially expressed micro-RNAs in African American women with Quadruple Negative Breast Cancer.  Anusha Angajala, Raymond Hughley, Tripathi Shweta, Windy Dean-Colomb, Ming Tan, Clayton Yates.

A05  Genetic factors associated with racial disparities of liver cancer.  Zihan Cui, Zhe Wang, Tingting Zhao, Qingxiang Amy Sang, Jinfeng Zhang.

A06  Targeted Therapies for QNBC patients based on Immune and Basal Signature Correlations to Race.  Raymond Wesley Hughley, Windy D Colomb, Shweta Tripathi, Clayton Yates.

Multilevel Analysis

A07  Can context and culture in a cohort study inform intervention development?.  Shirley Beresford, Wendy Barrington, Donald Patrick, Deborah Bowen.


Neighborhood Analysis


Statistical and Epidemiological Models


Statistical and Epidemiological Models

PR08, A11  Tumor masking or tumor aggressiveness? : A structural equations modeling approach to estimate the impact of breast density on breast cancer stage, overall and by race.  Katherine Y. Tossas-Milligan, Garth H Rauscher, Richard Campbell, Victoria Seewaldt.

Community-based Participatory Research

A12  Lung cancer prevention and survivorship is good business: Unifying communities and industries for

A13 Using boot camp translation to design a system-based intervention to improve rates of colon cancer screening using fecal immunochemical testing among Latino patients in community health centers. Jamie Thompson, Melinda Davis, LeAnn Michaels, Jennifer Rivelli, Marta Castro, Anne Escaron, Brittany Younger, Melissa Castillo, Sacha Reich, Gloria Coronado.


A17 [Advocate Abstract:] Culturally sensitive outreach for clinical trials and research studies is key to addressing biological contributors to health disparities. Jamie Holloway.

Decision Making


A19 Explaining the rare use of breast cancer prevention options by high-risk African American women: The role of limited access to information. Tasleem J Padamsee, Rachel Meadows, Megan Hils.

Recruitment/Retention/Adherence Research

A20 Hispanic patient navigation: An intervention to increase clinical trial participation. Carla Strom, Kathryn E Weaver, Jimmy Ruiz, Karen M Winkfield.

A21 Using spatial analysis to identify the impact of medically underserved areas within and beyond the catchment area of a Comprehensive Cancer Center. Christine M Marx, Jessica L Thein, Graham A Colditz.


A23 Interim Recruitment Outcomes in an NCORP-Based Patient Navigation Trial for African Americans with Early Stage Lung Cancer. Marvella E Ford, Debbie C Bryant, Kathleen B Cartmell, Katherine Sterba, Dana R Burshell, Elizabeth G Hill, Allan De Toma, Kendrea D Knight, Kathryn Weaver, Elizabeth Calhoun, Nestor F Esnaola.

Race, Admixture, and Ethnicity


Recruitment/Retention/Adherence Research

A25 Community research navigators: The bridge to increasing ethnic minority participation in clinical research. Marisela Garcia, Mayra Serrano, Alejandro Fernandez, Katty Nerio, Kimlin Ashing.

A26 Representation of minorities, the elderly and women in over 1000 clinical trials. Narjust Duma, Jesus Vera-Aguilera, Yucai Wang, Jonas Paludo, Konstantinos Leventakos, Aaron Mansfield, Alex Adjei.

A27 Diversity in Multiple Myeloma clinical trials. Narjust Duma, Miguel Gonzalez Velez, Jesus Vera-Aguilera, Richardo Parrondo, Veronica Mariotti, Jonas Paludo, Yucai Wang, Ronald Go, Alex Adjei.
**General Epidemiology and Biostatistics**

A28  Current and future incidence rates of invasive breast cancer between Black and White women.  [Brittny C Davis Lynn, Philip S Rosenberg, William F Anderson.](#)

A29  Multi-level factors associated with increased in-hospital length of stay among patients following head and neck cancer treatment.  [Eric Adjei Boakye, Betelihem B Tobo, Jiajing Chen, Paula Buchanan, Shubhra Malik, Nosayaba Osazuwa-Peters.](#)

A30  The use of geospatial methods to detect clusters of late-stage colorectal cancer and variations in area-based socioeconomic characteristics in Brooklyn, NY.  [Francesco Congiusta, Russell Parvin, Madhavi Reddy, Heather A Mavronicolas, Heather A Mavronicolas, Francesco Congiusta.](#)


A32  Trends in cause of death among Puerto Rican and United States Multiple Myeloma patients.  [Maira A Castañeda-Avila, Karen J Ortiz-Ortiz, Carlos R Torres-Cintrón, Mara M Epstein.](#)

A33  Head and Neck Squamous Cell Carcinoma in Adolescents and Young Adults: Survivorship Patterns and Disparities.  [Sai D Challapalli, Eric Adjei Boakye, Matthew C Simpson, Nosayaba Osazuwa-Peters.](#)

A34  Risk factors for liver disease/cancer among adults of Mexican descent in the United States and Mexico.  [Yvonne N Flores, Zuo-Feng Zhang, Roshan Bastani, Mei Leng, Catherine M Crespi, Paula Ramirez, Heather A Stevens, Jorge Salmerón.](#)

**Molecular Epidemiology**

A35  An integrative model of cancer disparities based on the calcium molecular theory of carcinogenesis.  [Bernard KADIO, Sanni Hashimi Yaya, Ajoy Basak, James Gomes, Koffi Djè, Christian Mesenge.](#)


A37  Genome-wide association study of colorectal tumors in Latin American individuals from Colombia.  [MARIA CAROLINA SANABRIA-SALAS, LAURA FEJERMAN, KONRAD RAWLIK, ALBERT TENESA, MARTHA L SERRANO-LOPEZ, JOVANNY ZABAleta, GUSTAVO A HERNANDEZ-SUAREZ.](#)

A38  Identification of triple negative breast cancer subtypes in Colombian patients.  [Silvia J Serrano-Gomez, Maria Carolina Sanabria-Salas, Jone Garai, Melody C Baddoo, Gustavo Hernandez-Suarez, Juan Carlos Mejia, Oscar Garcia, Lucio Miele, Laura Fejerman, Jovanny Zabaleta.](#)

A39  Sexual history is associated with prostate cancer in men of African decent.  [Tsion Zewdu Minas, Wei Tang, Cheryl Smith, Tiffany H Dorsey, Christopher A Loffredo, Stefan Ambs.](#)

**Neighborhood Factors**

A40  Disparities in survival among nonmetropolitan cancer patients in Utah.  [Anne C Kirchhoff, Kepka Deanna, Hashibe Mia.](#)

A41  Social determinants of Hepatocellular Carcinoma in Louisiana.  [Denise M Danos, Tekeda F Ferguson, Neal Simonsen, Claudia Leonardi, Qingzhao Yu, Xiao-Cheng Wu, Richard S. Levine, Barbara Kilbourne, Qiuyin Cai, William J.](#)
A43  [Advocate Abstract:] Dot4life multiple myeloma for the caribbean patients. Marisel Brignoni.

Race, Admixture, and Ethnicity


A46  Lower circulating Vitamin D3 levels in African Americans are associated with Fok1 vitamin D receptor gene polymorphism. Yanyuan Wu, Marianna Sarkissyan, Dhruva Mishra, Pranabananda Dutta, Priscilla Bravo Arias, Sheilay Clayton, Rowan Chlebowski, Jaydutt V Vadgama.

A47  Correlation between Non-skin Cancer Survival, Race/Ethnicity and Socioeconomic Status in the United States. Jingwei Song, Ligeng Tian, Muktar Aliyu.

A48  Impact of age at diagnosis on racial disparities in endometrial cancer patients. Christopher Tarney, Chunqiao Tian, Nicholas Bateman, Thomas Conrads, Chad Hamilton, George Maxwell, Kathleen Darcy.


A51  Disparities in cervical cancer patients by race and histology. Ying Huang, Christopher Tarney, Chunqiao Tian, Nicholas Bateman, Thomas Conrads, Chad Hamilton, George Maxwell, Kathleen Darcy.

Stress


A54  Multi-systemic biological risk index and cancer mortality: Differences by age group and race/ethnicity. Teofilia Acheampong, Andrew Odegaard.

Other Risk Factors


Other


A59  Racial comparisons of the gut microbiota of generally healthy black and white women for insights into colorectal cancer disparities.  Tiffany L Carson, Fuchenchu Wang, Xiangqin Cui, Bradford E Jackson, Liam Van Der Pol, Elliot J Lefkowitz, Casey Morrow, Monica Baskin.

A60  Differences in survival for older compared to younger female breast cancer patients in the California cancer registry by race/ethnicity, insurance, socioeconomic status, and tumor subtype.  Yazmin San Miguel, Li Tao, Scarlett Gomez, Ian Komenaka, Richard Schwab, Caroline Thompson, Jesse Nodora, James Murphy, Maria Elena Martinez.

Breast Cancer

A61  Chemokine network between triple-negative breast cancer (TNBC) and non-TNBC cells.  Carla Gibbs, Rosa Ignacio, Choi Hyeong, Deok-Soo Son.

A62  Differences in sexual dysfunction between lesbian, bisexual, and heterosexual female breast cancer survivors.  Christopher W Wheldon, Megan C Roberts, Michelle I Silver, Ulrike Boehmer.

A63  Estrogen receptor beta and insulin growth factor 2 (IGF2) contribute to cancer health disparities in Triple-Negative Breast Cancer.  David Austin, Nalo Hamilton, Yahya Elshimali, Richard Pietras, Yanyuan Wu, Jaydutt Vadgama.

A64  Immune and metabolic mechanisms regulate the microenvironment in triple negative breast cancer.  Guillaume Andrieu, Paola Sebastiani, Kimberly A Bertrand, Julie R Palmer, Gerald V Denis.


PR02, A66  β-catenin overexpression underlies the aggressive disease course in African American triple Negative breast cancer patients that lack androgen receptor.  Karuna Mittal, Shirshi Bhattacharri, Sergey Klimov, Uma Krishnamurthi, Xiaoxian Li, Ceyda Sonmez Wetherill, Mohammad A Aleskandaran, Andrew A Green, Emad A Rakha, Ian O Ellis, Guilherme Cantuaria, Guanhaob Wei, Remus Mihai Osan, Meenakshi V Gupta, Upender Manne, Padmashree C. G Rida, Ritu Aneja.

A67  The effects of SAHA and EGCG on metastatic potential in triple negative breast cancer.  Kayla Ashlyn Lewis, Trygve O Tollefsbol.

A68  Pre- and perinatal factors and incidence of breast cancer in the Black Women’s Health Study.  Lauren E Barber, Kimberly A Bertrand, Lynn Rosenberg, Tracy A Battaglia, Julie R Palmer.

A69  Racial Disparity in breast cancer hospital treatment costs: Examining the effect of depression.  Baqar Husaini, Oscar Miller, Jessica Jones, Robert Levine.

A70  [Advocate Abstract:] We have breast too! A male breast cancer awareness program.  Wayne Dornan.

A71  [Advocate Abstract:] My world, our dream.  William "Kirby" Lewis.

A72  [Advocate Abstract:] Community initiatives for all women’s health.  Araceli Lucio.
Colorectal Cancer

A73 Role of Microsatellite Stability and Mismatch DNA Repair Mechanism in the Response to 5-Fluorouracil Treatment in African American Colon Cancer Cell Lines. Jenny E Paredes, Ping Ji, Maria Munoz-Sagastibelza, Malhaar Agrawal, Jennie Williams, Laura Martello-Rooney.

A74 [Advocate Abstract:] The brown faces of colorectal cancer. Candace Henley.

A75 [Advocate Abstract:] Colorectal cancer and health disparities with african american population. Erika Nalls.

Gastrointestinal Cancers

A76 Characteristics associated with racial disparities in Hepatocellular carcinoma survival: A matched cohort study. AARON P THRIFT.


Genitourinary Cancers


Gynecological Cancers

Factors associated with decreased survival in epithelial ovarian cancer patients from the southern United States. Sherri L Stewart, Trevor D Thompson, Angela R Moore, Sun Hee Rim, Jennifer M. Wike.

Head and Neck Cancers


Age Differences in Demographic Predictors of Head and Neck Cancer Survival.

Gender and Racial Disparities in Non-Small Cell Lung Cancer: A Systematic Review.

Somatic Mutations and Ancestry Markers in Hispanic Lung Cancer Patients.

Other Organ Sites


Race, Admixture, and Ethnicity

Black Race is Associated with Worse Distant Relapse-Free Survival in Breast Cancer Patients Treated with Neoadjuvant Compared to Adjuvant Systemic Chemotherapy. Jessica M Pastoriza, George S Karagiannis, Xiaonan Xue, Juan Lin, John S Condeelis, Joseph A Sparano, Thomas E Rohan, Maja H Oktay.