

CURRICULUM VITAE

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Business Address:

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EDUCATION

BS	6/1987	Medical Technology	School of Medical Technology China Medical University (Former China Medical College) Taichung, Taiwan
MSPH	8/1998	Biostatistics	Department of Biostatistics School of Public Health and Tropical Medicine Tulane University, New Orleans, LA
PhD	5/2016	Biostatistics	Department of Biostatistics and Bioinformatics School of Public Health and Tropical Medicine Tulane University, New Orleans, LA

HONORS AND AWARDS

- The **second place poster award** at NAACCR Summer Forum 2022 on the cancer research titled “Racial/Ethnic Disparities in COVID-19 Infection among Working-Age Women with Precancerous Cervical Lesion” June 14, 2022.
- Service award-Recognition certificate for service to the School of Public Health Faculty Assembly, LSUHSC-New Orleans, 2020-2021. Received on June 18, 2021.
- The **second place poster award** at NAACCR Summer Forum 2021 on the cancer research titled “Do Modifiable Risk Factors Impact Pancreatic Cancer Survival in a Population-based Study after Adjusting for Clinical Factors?” June 17, 2021.

- Journal of Registry Management **Best Paper of the Year 2019** on the original article entitled “Evaluating the Use of LAST Two-tiered Nomenclature and Its Impact on Reporting Cervical Lesions in a Population-Based Cancer Registry.” Received on September 23rd 2020 at NCRA 46th Annual Educational Virtual Conference.
- Recognition certificate for service and contribution as a NAACCR committee member, 2018-2019. Received on August 18, 2019.
- Journal of Registry Management **Best Paper of the Year 2017 Honorable Mention** on the original article entitled “An Innovative Approach to Improve Completeness of Treatment and Other Key Data Elements in a Population-Based Cancer Registry: A 15-Month Data Submission”. Received on May 23rd 2018 at NCRA 44th Annual Educational Conference.
- Louisiana Cancer Registrars Association (LCRA) Jane Rodriguez Distinguished Member Award. October 13, 2016.
- North American Association of Central Cancer Registries (NAACCR) Leadership Award, June 15, 2016
- Journal of Registry Management **Best Paper of the Year 2012** on the original article entitled “Evaluating Factors Associated with Unknown SEER Summary Stage 2000 Derived from Collaborative Stage at Central Registry Level”, Received on June 2nd 2013 at NCRA 39th Annual Educational Conference.
- North American Association of Central Cancer Registries (NAACCR) Merit Award, June 2012
- North American Association of Central Cancer Registries (NAACCR) Achievement Award, June 2012
- The first place in Data Quality/Registry Operations and Management: NAACCR Annual Conference Poster Session, 2009: “*Incidence of Soft Tissue Sarcoma in Older Adolescents and Young Adults, United State, 1995 to 2004*”
- Recognition certificate for services and contributions as a member of Race and Ethnicity Work Group: North American Association of Central Cancer Registries (NAACCR), 2009
- Recognition certificate for services and contributions as a member of Asian/Pacific Islander Identification Panel: North American Association of Central Cancer Registries (NAACCR), 2004-2008
- Honorary Public Health Society: **Delta Omega Award** Eta Chapter (Tulane University), 1999

CERTIFICATIONS

3/2003 Certified Tumor Registrar, National Cancer Registrars’ Association, USA.
CTR Number: 2003056

EMPLOYMENT

7/2021 – Present **Associate Professor-Research**

- 6/2016 – Present **Assistant Director**
Epidemiology program, School of Public Health, Louisiana State University Health Sciences Center, New Orleans, LA
- 6/2016 – 6/2021 **Assistant Professor-Research**
Louisiana Tumor Registry/Epidemiology program, School of Public Health Louisiana State University Health Sciences Center, New Orleans, LA
- 1/2004 – 5/2016 **Instructor-Research**
Epidemiology program, School of Public Health, Louisiana State University Health Sciences Center, New Orleans, LA
- 1/2004 – 5/2016 **Central Data Manager**
Louisiana Tumor Registry/Epidemiology program, School of Public Health Louisiana State University Health Sciences Center, New Orleans, LA
- 7/2001 – 12/2003 **Research Associate III (Senior Data Editor)**
Louisiana Tumor Registry, School of Public Health Louisiana State University Health Sciences Center, New Orleans, LA
- 1/2000 – 6/2001 **Research Associate II (Data Editor)**
Louisiana Tumor Registry, Department of Public Health and Preventive Medicine, School of Medicine Louisiana State University Health Sciences Center, New Orleans, LA
- 3/1998 – 8/1998 **Data Analyst (Internship)**
Department of Biostatistics Tulane University School of Public Health and Tropical Medicine
- 7/1995 – 1/1997 **Medical Technologist**
Cytology Laboratory, Department of Internal Medicine, Cathay General Hospital, Taipei, Taiwan
- 5/1989 – 6/1995 **Medical Technologist**
Laboratories of Clinical Chemistry, Blood Bank and Hematology, Department of Clinical Laboratory, Cathay General Hospital, Taipei, Taiwan
- 8/1987 – 5/1989 **Medical Technologist**
Laboratories of Clinical Chemistry, Blood Bank, and Serology, Department of Clinical Laboratory, China Medical College Affiliated Peikang Hospital, Peikang, Taiwan

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS

- 2003 – present National Cancer Registrars Association
2001 – present Louisiana Cancer Registrars Association

APPOINTMENTS AND COMMITTEES

LSUHSC School of Public Health

Faculty Assembly Committees:

7/2017 – 6/2019 Grievance Committee
7/2022 – 6/2024 APT Committee

Services:

6/2022 – present Coordinator for Epidemiology Admissions
7/2022 – present Cancer Center Population Science Workgroup: Developing the NCI-designated cancer center application for Cancer Center designation

Cancer Related Organizations

North American Association of Central Cancer Registries (NAACCR)

2020 – present Rare cancer workgroup
2020 – present National Childhood Cancer Registries (NCCR) Data Products Workgroup
2020 – present Geocoder Workgroup (a subgroup under the Research and Data Use Steering Committee)
2018 – 2021 NAACCR Virtual Pooled Registry (VPR) Research Review Committee
2018 – present NAACCR CINA Editorial Board
2017 – present NAACCR IRB Board
2015 – present NAACCR Research Application Review Workgroup
2012 – 2015 NAACCR Data Item Consolidation Work Group
2009 – 2022 NAACCR Data Assessment and Fitness for Use Workgroup (a subgroup under the Research and Data Use Steering Committee), **Chair**
2003 – 2009 NAACCR Race and Ethnicity Work Group

- Asian/Pacific Islander identification Panel
- Latino Research Work Group

NCI Surveillance, Epidemiology, and End Results (SEER)

2021 – present Transplant Cancer Match (TCM) Study Workgroup
2018 – present SEER Quality Improvement Experts (QIE) Panel
2018 – present SEER/IMS SEER*DMS Claims Data Workgroup
2017 – present SEER/IMS SEER*DMS Auto-Consolidation Working Group
2012 – 2014 ACS/CDC/NCI-SEER Collaborative Staging Data Elements Review Work Group
2010 – 2018 SEER Multiple Primary and Histology Rules Task Force, Lung Chapter

CONCORD Programme

2013 – present **CONCORD Programme Working Group** – Member. CONCORD is a global programme for world-wide surveillance of cancer survival, led by the London School of Hygiene & Tropical Medicine.

RESPONSIBILITIES, EXPERIENCE AND SKILLS

Cancer Surveillance:

- Assist the Director in strategic planning, policy development, and other administrative duties to ensure the Louisiana Tumor Registry (LTR) is in compliance with state and federal cancer reporting requirements for the collection and providing high-quality cancer data.
- Manage the statewide Louisiana Tumor Registry database and oversee the data management and data quality teams:
 - Develop strategies and implementing procedures to process registry data in an efficient and timely manner.
 - Oversee all LTR QC activities including quality assessment on new data items, casefinding audit, re-abstraction audit, re-coding audit and finding areas that needed more training.
 - Maintain high quality databases to meet the national certification standards and funding agencies [NCI's Surveillance, Epidemiology and End Results Program (SEER) and CDC's National Program of Cancer Registries (NPCR)] requirements which include data completeness, timeliness, and high quality on key data items.
 - Coordinate data processing activities with regional registries and overseeing the completeness and timeliness of their data submissions.
 - Prepare and update the LTR procedure related to data management and data process.
 - Develop in-house (SAS) programs for data editing, processing, and QC checking and monitoring.
 - Coordinate data exchange activities with other states including sending non-Louisiana cases to other states twice a year and monitoring Louisiana resident cases diagnosed and/or treated in other states are transmitted to LTR in the timely manner.
 - Oversee the multiple annual data submissions to ensure funding agencies' requirements and specifications were met as well as to other national and international cancer surveillance programs for publication such as NCI-SEER National Longitudinal Mortality Study, SEER Medicare, and CONCORD study.
 - In charge the processing of LTR data migration: CNExT to RMCDS started in August 2003 and completed in June 2005 and RMCDS to SEER*DMS in Started in August 2007 and completed in February 2009
- Prepare proposal and budget for grant applications and prepare the progress and final reports.
- Assist the Director and/or PIs in preparing the progress report for CDC NPCR and other federal fund special studies.
- Collaborate with cancer research investigators and clinicians and provide assistance including data analysis in support of epidemiologic and clinical studies that use LTR data for research.
- Generate cancer incidence and mortality rates for the Louisiana Tumor Registry's monograph as needed.
- Participate in NCI-SEER and CDC special projects as needed.

Statistical and Computer Skills:

- Proficient in statistical packages of SAS, SEER*Stat, Epi-Info

- Proficient in registry software systems and cancer edit software such as Rocky Mountain Cancer Data System(RMCDS), SEER*DMS, SEER*Edits, and GenEDITS Plus, and Inter-Record Edits
- Proficient in SQL and MS Excel and Access
- Strong statistical and analytic skills, including the use of linear regression, logistic regression, ANOVA, survival analysis and multilevel analysis
- Knowledgeable of geographic information system related software, including ArcGIS, SaTScan and GeoDa

Administration and Supervision:

- Assist the LTR's Director in preparing grant applications, annual progress reports, and contract deliverables for the CDC-NPCR and NCI-SEER core as well as in strategic planning, policy development, staff hiring and performance evaluation, and other administrative duties to ensure the Louisiana Tumor Registry (LTR) is in compliance with state and federal cancer reporting requirements.
- Prepare technical proposals, budgets, and budget justifications for various grant applications as well as prepare all contract deliverables, fiscal matters, and progress reports and final reports for special study projects that I serve as PI.
- Supervise the performance of several key LTR central staff including Education/Training Manager, Central Data Manager, Quality Assessment Coordinator, Clinical Data Specialist, and Central Data Editors.

Research Interests:

My research interests are in cancer epidemiology, cancer disparities, cancer outcomes, and cancer registration.

Teaching and Mentoring:

- EPID 6226: Epidemiologic Design and Analysis
 - Guest Lecturer: Cox Proportional Hazards Model, Fall of 2016-present
- **Epidemiology PhD qualifying exam**
 - Design the questions
 - Provide and update the answer key
 - Grade the exam
- Mentoring graduate students (PhD, MS, and MPH) to get hands-on experience in using cancer registry data
- Mentor of student practice experience:
 - Taranjot Tiwana, MPH, Epidemiology Program: 1/19/2017 – 5/12/2017
- LTR post-doctoral researcher: 1/1/2018 - 6/30/2019

Thesis and Dissertation Committees:

- **Yichen Zhang**, PhD candidate, Department of Health Policy and Management, School of Public Health and Tropical Medicine, Tulane University
Dissertation title: Treatment delay in Primary Non-Small Cell Lung Cancer (NSCLC) patients in Louisiana State, using REACHnet and Louisiana Tumor Registry (LTR) data

Timeframe: 8/2019-12/2021

Prospectus defense: January 21, 2020

Dissertation defense: November 1, 2021

- **Pratibha Shrestha**, PhD candidate, Epidemiology Program, School of Public Health, Louisiana State University Health Sciences Center-New Orleans.
Dissertation title: Breast Cancer Survival and treatment: Influences of Socioeconomic status, Oncotype DX use, Stage, Race, Rural-urban area, Age, distance to Radiation therapy facility
Timeframe: 7/2021-present
Prospectus defense: November 29, 2021
- **Tingting Li**, PhD candidate, Epidemiology Program, School of Public Health, Louisiana State University Health Sciences Center-New Orleans.
Dissertation title: The Impact of Environmental Factors on Colorectal Cancer: Urban-Rural disparities, Incidence, Treatment, and Survival
Timeframe: 8/2021-present
Prospectus defense: December 3, 2021
- **Tyler Prusisz**, PhD candidate, Epidemiology Program, School of Public Health, Louisiana State University Health Sciences Center-New Orleans.
Dissertation title: (TBD) The Association of Oil Spill on Cancer Incidence, Mental Illness, and Lung Function
Timeframe: 11/2022 - present
Prospectus defense: January 20, 2023

GRANTS AND CONTRACTS

Current

Role: Co-Principal Investigator (PI: Wu)

Title: Surveillance, Epidemiology and End Results Program (SEER Core)

Period: 5/1/2018-4/30/2028

Goal: The main goal of this program is to operate an efficient statewide cancer surveillance program, to provide cancer incidence and survival estimates, and to participate in collaborative cancer research.

Total Award: \$17.7 million (**Annual total award for 5/1/2018-4/30/2019:** \$1.8 million)

Percent of effort: 25% (3.0 calendar months)

NCI/SEER: HHSN2612018000071

Role: Co-Principal Investigator (PI: Wu)

Title: Cancer Prevention and Control Program for State, Territorial and tribal Organizations, National Program for Cancer Registries (NPCR Core).

NPCR Core Period: 6/30/2022-6/29/2027

Goal: The primary goals of this program are to enhance the Registry data and to maintain the standards of completeness, timeliness, and data quality.

Total Award: \$3,500,000

Percent of effort: 25% (3.0 calendar months)

CDC: NU58DP007112

Role: Co-Investigator (PI: Christopher Haiman, NCCC, University of Southern California; LSU Site PI: Wu)

Title: Research on Prostate Cancer in Men of African Ancestry: Defining the Roles of Genetics, Immunity and Access to Care – the RESPOND Study

Period: 7/5/2019-6/30/2023 (Study period: 7/5/2018-6/30/2023)

Goal: The objectives include investigation of multilevel social stressors across the life course in relationship with aggressive prostate cancer (Project 1); genome-wide discovery efforts of germline susceptibility loci for aggressive prostate cancer and examination of the relationship between germline and somatic variation (Project 2); the identification of underlying somatic alterations in prostate cancer tumors and biological pathways that are related to aggressive disease (Project 3); and, a detailed assessment of inflammation in the tumor microenvironment as it relates to prostate cancer aggressiveness (Project 4).

Total award: \$720,717

Percent of effort: 2% (0.24 calendar months)

NIH/USC: U19CA214253/122239979

Role: LSUHSC-NO site PI (Lead site: Georgetown University)

Title: Disparities and Cancer Epidemiology – Colorectal Cancer (DANCE-CRC)

(Project title: Aggressive colorectal cancer subtypes and social disadvantage in a racially diverse cohort.)

Goal: The major goal of this project is to assess aggressive colorectal cancer subtypes and social disadvantage in a racially diverse cohort

Period: 6/1/2021-5/31/2026

Budget requested: \$558,475 (Direct cost: \$379,915) (Year 1 budget: \$120,783)

Percent of effort: 13% (1.56 calendar months) in year 1, 12% in year 2-3 (1.44 calendar months), and 10% (1.2 calendar months) in years 4-5

NIH/NCI: 1R01CA259420-01/SUBK00013520

Role: LSUHSC-NO site PI (Lead site PI: Gita Suneja, University of Utah School of Medicine)

Title: Cancer Treatment Disparities in the HIV Population: Exploring the Impact of HIV on Physician and Patient Decision-Making

Goal: The major goal of this project is to understand oncologist treatment decision-making process for this specific patient population, as well as to develop decision support tools to improve delivery of cancer treatment for people living with HIV.

Period: 9/1/2021-8/31/2022 (no-cost extension to 8/31/2023)

Budget requested: \$30,963 (Direct cost: \$21,063)

Percent of effort: 6% (0.72 calendar months)

NIH/NCI/ University of Utah: 5K08CA228631-05/10054577-07-LSU

Role: LSUHSC-NO site PI (Lead site PI: Dr. Yingnan Zhao- Xavier University /Dr. Lizheng Shi-Tulane University)

Title: Racial Disparity in Treatment and Monitoring among Louisiana Work-Age Survivors with Breast Cancer

Goal: This study aims to investigate treatment and monitoring patterns and assess racial disparities among work-age women with breast cancer in Louisiana (LA).

Period: 10/1/2021-6/30/2022 (no-cost extension to 6/30/2023)

Budget requested: \$2,777 (Direct cost only)

Percent effort: 1.5% (0.18 calendar months)

LCRC/Tulane: LCRC FY21-22/TUL-HSC-559900-21/22

Role: LSUHSC-NO site PI (Lead site PI: Dr. Maureen Sartor, University of Michigan)

Title: Downstream effects of HPV integration on survival/metastasis in oropharyngeal cancer.

Goal: To discover the predominant tumor subtypes and characteristics of AA oropharyngeal cancer, and to define the relationship between HPV integration and survival among AAs with oropharyngeal cancer.

Period: 7/1/2021-6/30/2022 (no cost extension to 6/30/2023)

Budget requested: \$55,406 (Direct cost: \$37,925)

Percent effort: 6.0% (0.72 calendar months)

NIH-NCI/University of Michigan: 1R01CA250214-01A1/ SUBK00013950

Role: LSUHSC-NO site PI (Lead site PI: Dr. Guergana Savova, Boston Children's Hospital/Harvard University)

Title: Natural Language Processing Platform for Cancer Surveillance

Goal: This study objectives are to develop methods to assist cancer data abstraction as well as to demonstrate the scalability of DeepPhe*CR through the integration in the SEER's Data Management System (SEER*DMS).

Period: 7/1/2022-6/30/2023

Budget requested: \$55,750 (Direct cost: \$37,925)

Percent effort: 6.0% (0.72 calendar months)

NIH/NCI/Boston Children's Hospital - Harvard University: UH3CA243120/ GENFD0002240331

Role: Principal Investigator

Title: CIN III Project.

Period: 7/1/2022-6/30/2023

Goal: The main goals of this program are: to build sustainable infrastructures for electronic collection of the CIN3 cases and required data items; to obtain timely, complete, and high-quality CIN3 data, and to participate in collaborative CIN3 cancer research.

Total Award: \$50,000

Percent of effort: 2% (0.24 calendar months)

State funds (via LCMC)

Pending

Role: LSU site principal investigator (PI: Kristen Purrington – Wayne State University)

Title Racial Differences in Tumor Biology and Implications for Novel Approaches to Treatment among Women with ER+, HER2- Breast Cancer

Period: 12/1/2022-11/30/2027

0.6 calendar

Goal: To experimentally identify racial differences in estrogen signaling and anti-estrogen response among ER+ and ER- tumor cell subpopulations in weakly ER+ tumors using a novel short-term patient tumor engraftment model and single cell RNA-seq

Budget requested: \$333,580 (Direct cost: \$226,925)

Percent of effort: 10%

NIH/NCI PAR-21-322[R01]

Role: LSU site principal investigator (PI: Jennifer Mack – Harvard University)

Title Disparities in Clinical Trial Enrollment among Adolescents and Young Adults (AYAs) with Cancer

Period: 7/1/2023-6/30/2028

0.6 calendar

Goal: To evaluate barriers of enrollment to clinical trials among AYAs with cancer aged 12-29 years and then use findings to develop an age-appropriate intervention to surmount identified barriers in a diverse population.

Budget requested: \$276,036 (Direct cost: \$184,024)

Percent of effort: 5%

NIH/NCI

Role: Co-Investigator and LSU site PI (Lead Site PI: Tony Hu – Tulane University)

Title: Extracellular Vesicle Biomarkers Assay for Pancreatic Cancer Disparity Study

Period: 8/1/2023-7/31/2025

0.6 calendar

Goal: To systemically analyze intrinsic inherited EV biomarkers with known PC associations, and identify potential causal molecular biomarkers for pancreas cancer prevalence in racial disparities.

Budget requested: \$51,601 (Direct cost: \$34,401)

Percent of effort: 6% Year 1 and 5% Year 2

NIH/NCI: PAR-22-114

Completed

Role: Co-Investigator 8/1/2020 - 7/31/2022 (PI: Ochoa)

Title: Gulf South Minority/Underserved Clinical Trials Network (Gulf South M/U CTN) (COVID supplement)

Period: 8/1/2020 - 7/31/2022

Goal: To collect COVID-19 related data items and assess the COVID-19 on the impact of cancer treatment

Total award: \$147,000

Percent of effort: 3% (0.36 calendar months) between 8/1/2020 - 7/31/2021

NIH/NCI: 3UG1CA189854-07S1

Role: Co-Principal Investigator (PI: Wu)

Title: Cancer Prevention and Control Program for State, Territorial and tribal Organizations, National Program for Cancer Registries (NPCR Core).

NPCR Core Period: 6/30/2017-6/29/2022

Goal: The main goals of this program are: to operate an efficient statewide cancer surveillance program, to provide cancer incidence and survival estimates, and to participate in collaborative cancer research.

Total Award: \$3,500,000 (Annual total award for 6/30/2017-6/29/2018: \$700,000)

Percent of effort: 25% (3.0 calendar months)

CDC: NU58DP006332

Role: Principal Investigator

Title: NPCR Component #2 - CIN III Project.

NPCR Component #2 Period: 6/30/2017-6/29/2022

Goal: The main goals of this program are: to build sustainable infrastructures for electronic collection of the CIN3 cases and required data items; to obtain timely, complete, and high-quality CIN3 data, and to participate in collaborative CIN3 cancer research.

Total Award: \$366,400 (Annual total award for 6/30/2017-6/29/2018: \$73,280)

Percent of effort: 12% (1.44 calendar months)

CDC: NU58DP006332 (NPCR Component 2: CIN3)

Role: Principal Investigator

Title: Task order 1- CTRs to annotate and adjudicate clinical text documents within the SEER Program's Clinical Documentation Annotation and Processing (CDAP) Pipeline.

Task Order 2- Creation of a "gold standard" dataset of narrative clinical documents with annotated Personally Identifying Information (PII).

Period: 4/16/2020-8/15/2021

Goal: The main objective for this project is to develop NLP and machine learning tools and methods that automate data collection for cancer surveillance.

Total award: \$47,415.09

Percent of effort: 6% (0.72 calendar months)

NCI-SEER/Westat: Westat contract no: 6473-S10

Role: Co-Investigator (PI: Yu)

Title: Multilevel Mediation Analysis to Explore Racial Disparities in Breast Cancer Recurrence and Survival using CDC Special Studies

Period: 9/24/2017- 5/31/2020 (No cost extension to 5/31/2021)

Goal: The overall goal of this project is to identify and differentiate the effect of modifiable risk factors that contribute to the racial disparities in breast cancer recurrence and survival in United States in order to inform targeted precision medicine efforts.

Total award: \$438,000

Percent of effort: 5% (0.6 calendar months)

NIH (R15 PA-16-200): NIMHD 1R15MD012387

Role: Co-Investigator (PI: Wu)

Title: 10-Year Comparative Effectiveness and Harms of Treatment for Prostate Cancer (CEASAR)

Period: 4/1/2019-3/31/2021

Goal: Aim is to fill substantial knowledge gaps regarding intermediate- to long-term oncologic, quality of life, and financial toxicity outcomes of management for localized prostate cancer.

Total award: \$168,808 (Direct cost: \$115,926)

Percent of effort: 2% (0.24 calendar months)

Vandervilt MC/NIH: VUMC73449 (1R01CA230352)

Role: LSUHSC-NO Site Principal Investigator (PI: Dr. Lizheng Shi – Tulane University)

Title: Clinical Pathway among Patients with Lung Cancer: REACHnet and Louisiana Tumor Registry (LTR)

Period: 2/1/2019-4/15/2020 (No cost extension to 10/15/2020)

Goal: As a supplemental study for the existing Truven study, this proposal aims to describe the clinical pathway from undertaking the first biopsy for lung cancer diagnosis to the treatment after diagnosis overall and stratified according to lung cancer (LC) subtypes.

Total award: \$89,926

Percent of effort: 10% (1.2 calendar months)

Funding: Intuitive Surgical Operation, Inc. (Contract through Tulane): TUL-HSC-557012-18/19

Role: Co-Investigator (PI: Leonardi)

Title: Feasibility of Electronic Health Records to Study Social Determinants of Health Disparities in Hepatocellular Carcinoma in Louisiana

Period: 7/1/2018-12/31/2019

Goal: The goal of this project are to assess the representativeness of HCC cases in REACHnet compared to the population of known cases in the state registry and to determine the feasibility of a case-control study to investigate clinical risk factors of HCC (i.e., BMI, diabetes, Hepatitis C status, substance use disorder) from EHRs.

Total award: \$50,000

Percent of effort: 1% (0.12 calendar months)

U54 GM104940 /LA CaTS Round 7

Role: Principal Investigator (9/30/2016-9/29/2019)

Co- Principal Investigator (9/30/2015-9/29/2016) (PI: Wu)

Data Manager (9/30/2014-9/29/2015) (PI: Chen)

Title: Enhancing Cancer Registries for early Case Capture (ECC) of Pediatric and Young Adult Cancer

Period: 9/30/14-9/29/19

Goal: The objectives of this ECC project are to enhance its routine cancer surveillance activities and build sustainable infrastructure for identifying newly-diagnosed pediatric and young adult (ages 0-19) cancer cases within 30 days of diagnosis. The ultimate goal is to

increase the availability of timely pediatric cancer data for the surveillance, clinical, and research communities.

Total award: \$1,270,325 (**Annual Total award** 9/30/2014-9/29/2015: \$263,235; 9/30/2015-9/29/2016: \$270,310; 9/30/2016-9/29/2017: \$210,310; 9/30/2017-9/29/2018: \$270,130)

Percent of effort: 10% (1.2 calendar months)

CDC: NU58DP005390

Role: Principal Investigator

Title: Cases Investigation of Cervical Cancer (CICC) Study

Periods: 2/21/2016-10/31/2018

Goal: The purpose of CICC project is to conduct a case investigation of invasive cervical cancers to identify potential missed opportunities for proven public health interventions, identify programmatic weaknesses, and determine the barriers and facilitators to screening.

Total award: \$227,140

Percent of effort: 8%

CDC/Battelle: HHSD2002013M53942B/ SUBCONTRACT NO: PO #: US001-0000524274

Role: Co-Principal Investigator (5/1/2017-4/30/2018)

Data Manager (8/1/2012-4/30/2017)

Title: Surveillance, Epidemiology and End Results Program (SEER Core)

Period: 8/1/12 to 4/30/18

Goal: The main goal of this program is to operate an efficient statewide cancer surveillance program, to provide cancer incidence and survival estimates, and to participate in collaborative cancer research.

Total Award: \$9,781,887(**Annual total award for** 8/1/2012-7/31/2013: \$1,641,007; 8/1/2013-7/31/2014: \$1,378,312; 6/1/2014-4/30/2015: \$1,554,054; 5/1/2015-4/30/2016: \$1,707,739; **5/1/2016-4/30/2017: \$1,734,523; 5/1/2017-4/30/2018: \$1,766,252)**

Percent of effort: 30.0%

NCI/SEER: HHSN261201300016I (HHSN26100006, Modification 2) (PI: Wu)

Role: Principal Investigator

Title: Height and weight data to calculate a valid measure of mass index.

Periods: 9/19/2016-9/18/2017

Goal: The main goals are to obtain data on cancer patient's height and weight from the department of Motor Vehicles (DMV) through linkage and to compare BMI for individuals computed using medical record abstraction to the same measure computed using DMV records.

Total Award: \$47,456

Percent of effort: 8%

NCI/SEER: HHSN261201300016I/HHSN26100011

Role: Principal Investigator

Title: Improving outpatient reporting of cancer occurrence and treatment.

Periods: 9/19/2016-9/18/2017

Goal: The main goal is to evaluate the under reporting of incident cancer cases seen at free standing medical oncology outpatient clinics with a focus on hematopoietic diseases.

Total Award: \$80,890

Percent of effort: 8%

NCI/SEER: HHSN2612013000161/HHSN26100012

Role: Co-Principal Investigator

Title: Population-based evaluation of comorbidity and hospital characteristics on survival.

Periods: 9/19/2016-9/18/2017

Goal: The main goal is to link rare cancer cases from the Louisiana Tumor registry with records from Louisiana Hospital Inpatient Discharge data (HIDD) to obtain patient comorbidity information and hospital treatment information.

Total Award: \$59,900

Percent of effort: 5%

NCI/SEER: HHSN2612013000161/HHSN26100013 (PI: Wu)

Role: Co-Principal Investigator

Title: Cancer Prevention and Control Program for State, Territorial and tribal Organizations, Component #4, National Program for Cancer Registries (NPCR) and Patient Centered Outcomes Research (PCOR).

NPCR Core Period: 6/30/2012-6/29/2017

PCOR Period: 8/29/2015-6/29/2017

Goal: The main goals of this program are: to operate an efficient statewide cancer surveillance program, to provide cancer incidence and survival estimates, to participate in collaborative cancer research, and to continue data collection of disease recurrence, progression, and vital status for CER cases, defined here as 2011 breast, colon, and rectal cancer cases.

Total Award: \$3,858,414

Percent of effort: 20%

CDC: NU58DP003915 (PI: Wu)

Role: Principal Investigator

Title: Improve Completeness of treatment and Other Key Data Elements by Linkages with 15-month Resubmitted Data from Commission on Cancer Hospitals.

Periods: 9/18/2015-9/17/2016

Goal: The main goal is to explore an innovative method to obtain complete treatment data as well as other key data items from COC hospitals using 15-month data resubmission and linkages.

Total Award: \$55,275

Percent of effort: 5%

NCI: HHSN2612013000161/HHSN26100009

Role: Co-Principal Investigator

Title: Expanding Data Collection Infrastructure of National Program of Cancer Registries (NPCR) for Patient Centered Outcomes Research (PCOR)

Period: 3/1/2014-8/28/2015

Goal: The main goal is to enhance Specialized Cancer Registries by creating datasets for CER with extended longitudinal follow-up and data collection of disease recurrence, progression, and vital status for CER cases, defined here as 2011 breast, colon, and rectal cancer cases.

Total Award: \$413,218

CDC/IFC-Macro: Subcontract #: 1eEDSK0106 (PI: Chen/Wu)

Role: Data Manager

Title: Enhancing Cancer Registries for early Case Capture (ECC) of Pediatric and Young Adult

Period: 9/30/2011-9/29/2014

Goal: The objectives of this ECC project are to enhance its routine cancer surveillance activities and build sustainable infrastructure for identifying newly-diagnosed pediatric and young adult (ages 0-19) cancer cases within 30 days of diagnosis. The ultimate goal is to increase the availability of timely pediatric cancer data for the surveillance, clinical, and research communities.

Total award: \$794,092

CDC: 1U58DP003805 (PI: Chen)

Role: Data Manager

Title: Enhancing Cancer Registry Data Comparative Effectiveness Research (CER)

Period: 12/1/2010-9/30/2013

Goal: Become a Specialize Cancer Registry of NPCR, utilizing a two-pronged approach to enhance the Louisiana registry data for CER by: (1) conducting a pattern of care study of cancers of breast, colon and rectum and chronic myeloid leukemia (CML) diagnosed in 2011 and (2) improving electronic reporting from non-hospital settings and additional linkages of secondary data files to capture data items that are relevant to CER.

Total Award: \$1,558,053

CDC/ICF: #635243-10S-1566 (PI: Chen)

Not Funded

Role: LSUHSC-NO Site PI (Lead site PI: Brock O'Neil –University of Utah/Health Cancer Institute)

Title: Cost, Quality, and Unintended Consequences of the Radiation Oncology Model

Period: 4/1/2022-3/31/2027

Goal: To determine whether the Radiation Oncology Model (ROM) improves the value of radiotherapy for cancer while investigating possible unanticipated consequences.

Budget requested: \$223,399 (Direct cost: \$151,973)

Percent of effort: 10% (1.2 calendar months) in Year 1, 6% (0.72 calendar months) in year 2 and 5% (0.6 calendar months) in years 3-5

NIH/NCI

Role: LSUHSC-NO Site PI (Lead site PI: Ronald Chen –University of Kansas Cancer Center)

Title: A Population-Based Prostate Cancer Active Surveillance (AS) Cohort

Period: 6/1/2021-5/31/2027

Goal: To reduce mortality and maximize the QOL for patients with localized prostate cancer

Budget requested: \$335,953 (Direct cost: \$228,539)

Percent of effort: 15% (1.8 calendar months) in Year 1, 10% (1.2 calendar months) in year 2 and 5% (0.6 calendar months) in years 3-6

NIH/NCI RFA-CA-20-030: "Utilizing Cohort Studies to Address Health Outcomes in Cancer Survivors"

Role: LSUHSC-NO Site PI (Lead site PI: Dr. Pierce, University of South Alabama Mitchell Cancer Institute)

Title: Machine Learning Techniques in Multilevel Mediation Analysis to Explore Health Disparities

Period: 7/1/2020-6/30/2025

Total funds requested: \$14,492

Percent of effort: 127 total hours

NIH/NCI

Role: Co-Investigator (PI: Yu)

Title: Machine Learning Techniques in Multilevel Mediation Analysis to Explore Health Disparities

Period: 01/01/2021-12/31/2025

Total funds requested: \$605,287

Percent of effort: 5% (0.6 calendar months)

National Science Foundation: NSF 19-575 Methodology, Measurement & Statistics Program

Role: LSUHSC-NO Site PI (Lead site PI: Alan Geller – Harvard University)

Title: Reducing Risk of Advanced Skin Cancers among Adult Survivors of Childhood Cancer via State and SEER Cancer Registries.

Period: 9/1/2020-8/31/2025

Goal: To study the dissemination of print materials and text messages to adult survivors of childhood cancer who were treated with radiation about their increased risk of developing skin cancer and the need for regular skin cancer screenings.

Total funds requested: \$255,403 (Direct cost: \$173,744)

Percent of effort: 5% (0.6 calendar months)

NIH/NCI U01 RFA-CA-19-033: "Improving Outcomes for Pediatric, Adolescent and Young Adult Cancer Survivors" (Re-submitted December 2019)

Role: Co-Investigator (PI: Yu)

Title: Modern Modeling in Multilevel Mediation Analysis to Explore Cancer Disparities

Period: 1/1/2021 to 12/31/2025

Total funds requested: \$2,270,058

Percent of effort: 5% (0.6 calendar months)

NIH/NCI: R01 RFA PA-17-289 Leveraging Population-based Cancer Registry Data to Study Health Disparities.

Role: LSU site PI (PI: Jennifer Pierce, MD. Mitchell Cancer Institute, University of South Alabama)

Title: Beyond Access: Cervical Cancer after Medicaid Expansion in the Deep South

Period: 7/1/2020-6/30/2025

Percent of effort: Total of 127 hours

ACS: # RSGI CPHPS - 134641

Role: Co-Investigator (PI: Yu)

Title: Exploring Racial/Ethnic Disparities in Health-Related Quality of Life among Cancer Survivors Considering both Individual and Environmental Level Risk Factors

Period: 10/1/2019-9/30/2021

Total funds requested: TBD

Percent of effort: 5% (0.6 calendar months)

NIH/NCI: R21CA231479

Role: Principal Investigator

Title: Developing Information Collection Tools for a Feasibility Study of a Mesothelioma Patient Registry

Period: 8/1/2019-7/31/2021

Goal: The goal of this project is to rapidly identifying mesothelioma patients and conduct survey to collect risk factors that patients exposed and perform medical chart abstraction to collect cancer related information.

Total funds requested: \$85,018

Percent of effort: 5% (0.6 calendar months)

CDC: RFP#: 75D301-19Q-70489

Role: Co-Investigator (PI: Leonardi)

Title: Social Determinants of Disparities in Hepatocellular Carcinoma

Period: 4/1/2019-3/31/2024

Goal: The goal of this project is to assess the degree to which social determinants of health behavior and chronic stress are associated with hepatocellular carcinoma incidence and related disparities within Louisiana.

Percent of effort: 5% (0.6 calendar months)

NIH/NCI: R21

PUBLICATIONS

Peer-Reviewed:

1. Chen VW, Schmidt BA, Wu XC, Correa CN, Andrews PA, **Hsieh MC**, Ahmed MN. Childhood Cancer in Louisiana, 1988-1996. *J LA Med Soc.* 2002; 154(2): 91-99. PMID: 12014461.

2. Wu XC, Chen VW, Ruiz B, Andrews PA, **Hsieh MC**, Schmidt BA, Correa CN, Fontham ETH. Patterns of Treatment for Ductal Carcinoma In Situ of the Breast in Louisiana, 1988-1999. *J LA Med Soc.* 2003; 155(2):206-213. PMID: 14506828
3. Wu XC, Chen VW, Andrews PA, Chen L, **Hsieh MC**, Fontham ETH. Treatment Patterns for Stage III Colon Cancer and Factors Related to Receipt of Postoperative Chemotherapy in Louisiana. *J LA Med Soc.* 2004;156(5):255-261. PMID: 15554095
4. Wu XC, Chen VW, Andrews PA, Chen L, Ahmend MN, Schmidt BA, **Hsieh MC**, Fontham ETH. Initial Treatment Patterns for Clinically Localized prostate Cancer and Factors Associated with the Treatment in Louisiana. *J LA Med Soc.* 2005;157(4):188-194. PMID: 16250368
5. Boscoe FP, Schymura MJ, **Hsieh MC**, Williams, MA, Henry KA. Issues with the Coding of Pacific Islander in Central Cancer Registries. *J Registry Manag.* 2008;35(2):47-51.
6. Schymura MJ, Khan AR, German RR, **Hsieh MC**, Cress RD, Finch JL, Fulton JP, Shen T, Stuckart E. (2010) Factors associated with initial treatment and survival for clinically localized prostate cancer: results from the CDC-NPCR Patterns of Care Study (PoC1). *BMC Cancer.* **10**(1): p. 152. DOI:10.1186/1471-2407-10-152. PMID: 20403178. PMCID: PMC2876077.
7. **Hsieh MC**, Pareti LA, Chen VW. Using NAPIIA to Improve the Accuracy of Asian Race Codes in Registry Data. *J Registry Manag.* 2011; 38(4): 190-195. PMID: 23270092.
8. **Hsieh MC**, Velasco C, Wu XC, Pareti LA, Andrews PA, Chen VW. Influence of Socioeconomic Status and Hospital Type on Disparities of Lymph Node Evaluation in Colon Cancer Patients. *Cancer.* 2012;118(6): 1675-1683. DOI: 10.1002/cncr.26473. PMID: 21882179, PMCID: PMC3767484
9. **Hsieh MC**, Yu Q, Wu XC, Wohler B, Fan Y, Qiao B, Jemal A, Ajani UA. Evaluating Factors Associated with Unknown SEER Summary Stage 2000 Derived from Collaborative Stage at Central Registry Level. *J Registry Manag.* 2012; 39(3): 101-106. PMID: 23443453. **Awarded as the Best Paper of Year 2012.**
10. **Hsieh MC**, Wu XC, Andrews PA, Chen VW. Racial and Ethnic Disparities in the Incidence and Trends of Soft Tissue Sarcoma among Adolescents and Young Adults in the United States, 1995-2008. *JAYAO.* 2013; 2(3): 89-94. DOI:10.1089/jayao.2012.0031. PMID: 24066270, PMCID: PMC3778995
11. **Hsieh MC**, Chiu YW, Velasco C, Wu XC, O'Flarity MB, Chen VW. Impact of Race/Ethnicity and Socioeconomic Status on Adjuvant Chemotherapy Use among Elderly Patients with Stage III Colon Cancer. *J Registry Manag.* 2013; 40(4): 180-187. PMID: 24625772.
12. Fan Y, Yu Q, Wu X, **Hsieh MC**. Data Quality Evaluation Using MART Guided Generalized Linear Mixed Model - With Application to Evaluate the SEER Cancer Staging Data. *Journal of Data Analysis & Operations Research.* 2014; 1(1): 17-24.
13. Chen V W, Ruiz BA, **Hsieh MC**, Wu XC, Ries LA, Lewis DR. Analysis of Stage and Clinical/Prognostic Factors for Lung Cancer from SEER Registries: AJCC Staging and Collaborative Stage Data Collection System. *Cancer.* 2014; 120(Issue Supplement S23): 3781-3792. DOI: 10.1002/cncr.29045. PMID: 25412390, PMCID: PMC4239667.
14. Chen VW, **Hsieh MC**, Charlton ME, Ruiz BA, Karlitz J, Altekurse S, Ries LA, Jessup JM. Analysis of Stage and Clinical/Prognostic Factors for Colon and Rectal Cancer from SEER Registries: AJCC and Collaborative Stage Data Collection System. *Cancer.* 2014; 120(Issue

Supplement S23):3793-3806. DOI: 10.1002/cncr.29056. PMID: 25412391, PMCID: PMC4239669.

15. Altekruse S, Dickie L, Wu XC, **Hsieh MC**, Wu M, Lee R, Delacroix Jr. S. Clinical and Prognostic Factors for Renal Parenchymal, Pelvis, and Ureter Cancers in SEER Registries: Collaborative Stage Data Collection System, Version 2. *Cancer*. 2014; 120(Issue Supplement S23): 3826-3835. DOI: 10.1002/cncr.29051. PMID: 25412394.
16. Chen VW, Ehemann CR, Johnson CJ, Hernandez MN, Rousseau D, Styles TS, West DW, **Hsieh MC**, Hakenewerth AM, Celaya MO, Rycroft RK, Wike JM, Pearson M, Brockhouse J, Mulvihill LG, Zhang KB. Enhancing Cancer Registry Data for Comparative Effectiveness Research (CER) Project: Overview and Methodology. *J Registry Manag*. 2014; 41(3):103-112. PMID: 25419602.
17. Karlitz JJ, **Hsieh MC**, Liu Y, Blanton C, Schmidt B, Jessup JM, Wu XC, Chen VW. Population-based Lynch Syndrome Screening by Microsatellite Instability in Patients ≤ 50: Prevalence, Testing Determinants and Result Availability Prior to Colon Surgery. *Am J Gastroenterol*. 2015 Jul;110(7):948-55. DOI: 10.1038/ajg.2014.417. PMID: 25601013.
18. Li X-R, Kruchko C, Wu X-C, **Hsieh M-C**; Andrews PA, Huang B, Qiao B, Wohler B. Are benign and borderline brain tumors underreported? *J Registry Manag*. 2016; 43 (4):187-194. PMID: 29595921.
19. Karlitz JJ, Sherrill MR, DiGiacomo DV, **Hsieh M-C**, Schmidt B, Wu X-C, Chen VW. Factors associated with the performance of extended colonic resection vs. segmental resection in early-onset colorectal cancer: a population-based study. *Clin Transl Gastroenterol*. 2016 Apr 14;7: e163. DOI:10.1038/ctg.2016.17. PMID: 27077958, PMCID: PMC4855160.
20. **Hsieh MC**, Thompson T, Wu XC, Styles TS, O'Flarity MB, Morris C, Chen VW. The effect of comorbidity on the use of adjuvant chemotherapy and type of regimen for curatively resected stage III colon cancer patients. *Cancer Medicine*. 2016; 5(5): 871-880. DOI: 10.1002/cam4.632. PMID: 26773804. PMCID: PMC4864816.
21. Rico A, Pollack LA, Thompson TD, **Hsieh M-C**, Wu X-C, Karlitz JJ, West DW, Rainey JM, Chen VW. KRAS testing and first-line treatment among patients diagnosed with metastatic colorectal cancer using population data from ten National Program of Cancer Registries in the United States. *J Cancer Res Ther*. 2016, 5(2):7-13. DOI: 10.14312/2052-4994.2017-2. PMID: 28626587; PMCID: PMC5472357.
22. **Hsieh M-C**, Mumhrey B, Pareti LA, Yi Y, Wu X-C. Innovative approach to improve completeness of treatment and other key data elements in population-based cancer registry: A 15-month data submission. *J Registry Manag*. 2017; 44(2):69-75. PMID: 29611688. **Awarded as the Best Paper of Year 2017 Honorable Mention.**
23. Freeman MB, Pollack LA, Rees JR, Johnson CJ, Rousseau DL, **Hsieh M-C**. Capture and Coding of Industry and Occupation Measures: Findings from 8 National Program of Cancer Registries States. *Am J Ind Med*. 2017; 60:689-695. PMID: 28692191. PMCID: PMC5769461.
24. Wu EL, Riley CA, **Hsieh M-C**, Marino MJ, Wu X-C, McCoul ED. Chronic sinonasal tract inflammation as a precursor to nasopharyngeal carcinoma and sinonasal malignancy in the United States. *Int Forum Allergy Rhinol*. 2017;7(8): 786-793. PMID: 28549211. DOI: 10.1002/alr.21956

25. Riley CA, Wu EL, **Hsieh M-C**, Marino MJ, Wu X-C, McCoul ED. Association of gastroesophageal reflux with malignancy of the upper aerodigestive tract in elderly patients. *JAMA Otolaryngol Head Neck Surg*. February 2018;144(2):140-148. PMID: 29270624. PMCID: PMC5839296. DOI: 10.1001/jamaoto.2017.2561.
26. Zhang L, Yu Q, Wu X-C, **Hsieh M-C**, Loch M, Chen V, Fontham E, Ferguson T. Impact of chemotherapy relative dose intensity on cause-specific and overall survival for stage I-III breast cancer: ER+/PR+, HER2- vs. Triple-Negative. *Breast Cancer Res Treat*. 2018 May; 169(1):175-187. PMID: 29368311. PMCID: PMC6190707. DOI: 10.1007/s10549-017-4646-1.
27. **Hsieh M-C**, Van Dyne E, Lefante C, Shapiro JA, Lynch MA, Pordell P, Gomez N, Mumphrey B, Maniscalco L, Jetly-Shridhar R, Saraiya M; Wu X-C. Evaluating the Use of LAST Two-tiered Nomenclature and Its Impact on Reporting Cervical Lesions in a Population-Based Cancer Registry. *J Registry Manag*. 2019; 46(4):120-127. PMID: 32822336. **Awarded as the Best Paper of Year 2019.**
28. Zhang L, King J, Wu X-C, **Hsieh M-C**, Chen VW, Yu Q, Fontham E, Loch M, Pollack LA, Ferguson T. Racial/ethnic Differences in the utilization of chemotherapy among stage I-III breast cancer patients, stratified by subtype: Findings from ten National Program of Cancer Registries States. *Cancer Epidemiology* 2019;58:1-7. PMID: 30415099. PMCID: PMC6424114. DOI: 10.1016/j.canep.2018.10.015.
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31. Marino MJ, **Hsieh M-C**, Wu EL, Riley CA, Wu X-C, McCoul ED. Early versus late computed tomography and nasal endoscopy in the diagnosis of nasopharyngeal and paranasal sinus malignancy. *American Journal of Rhinology & Allergy*. 2019; 33(4): 388-394. PMID: 30900468. DOI: [10.1177/1945892419838106](https://doi.org/10.1177/1945892419838106)
32. Benard V, Greek A, Jackson E, Senkomago V, **Hsieh M-C**, Crosbie A, Alverson G, Troup A, Richardson L, Tomas CC. Overview of CDC's Case Investigation of Cervical Cancer (CICC) Study. *Journal of Women's Health*. 2019;28 (7): 890-896. PMID: 31264934. Published Online: July 2, 2019. <https://doi.org/10.1089/jwh.2019.7849>.
33. Thompson TD, Pollack LA, Johnson CJ, Wu X-C, Rees JR, **Hsieh M-C**, Rycroft R, Culp MB, Wilson R, Wu M, Zhang K, Benard V. Breast and Colorectal Cancer Recurrence and Progression Captured by Five U.S. Population-Based Registries: Findings from National Program of Cancer Registries Patient-Centered Outcome Research. *Cancer Epidemiology*. 2020; 64: 1-9. PMID: 31918179. Published Online: January 6, 2020. <https://doi.org/10.1016/j.canep.2019.101653>.
34. Zhang L, **Hsieh M-C**, Petkov V, Yu Q, Chiu Y-W, Wu X. Trend and survival benefit of Oncotype DX use among female hormone receptor positive breast cancer patients in 17 SEER registries, 2004-2015. *Breast Cancer Res Treat*. 2020; 180(2):491-501. PMID: 32060781. DOI: 10.1007/s10549-020-05557-x.

35. Chu QD, **Hsieh M-C**, Chu YD, Lyons J, Kandil E, Corsetti R, Gnerlich J, Wu X-C. Do Rural Patients with Operable Breast Cancer Fare Worse Than Urban Patients in Louisiana? Results of the Louisiana Cancer Consortium. *Surgery*. 2020;168: 653-661. PMID: 32622472. <https://doi.org/10.1016/j.surg.2020.04.053>.
36. Fischer JL, Riley CA, **Hsieh M-C**, Marino MJ, Wu X-C, McCoul ED. Prevalence of Eustachian Tube Dysfunction in the United States Elderly Population. *Otolaryngology-Head and Neck Surgery*. 2020; 163(6) 1169–1177. PMID: 32573346. <https://doi.org/10.1177/0194599820932541>.
37. Qiao B, **Hsieh M-C**, Wu X-C, Kruchko C, Sineshaw H, Wu M, Huang B, Sherman R, Ostrom QT, Yu Q, Schymura MJ. Multiple primary cancers in the United States. *J Registry Manag*. 2020;47(2):60-66.
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42. Lyons JM, Chu QD, **Hsieh M-C**, Wu X-C. Breast-Conserving Therapy vs Mastectomy for Early-Stage Breast Cancer: Should We Re-Evaluate the Current Treatment Paradigm? *J Am Col Surg*. 2021 May; 232(5): 801-802. S1072-7515(21)00013-2. PMID: 33551182. DOI: 10.1016/j.jamcollsurg.2021.01.003.
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44. Zhang L, **Hsieh M-C**, Kelly C, Devane M, Yu Q, Shi L, Wu J, Hicks C, Wu X-C. Racial Differences in the Risk of Second Primary Bladder Cancer Following Radiation Therapy among Prostate Cancer Patients. *Cancer Epidemiology*. 2021 Jun 17;73: 101967. PMID: 34146916. <https://doi.org/10.1016/j.canep.2021.101967>
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47. Zhou M, Thompson T, Li H-Y, Chen VW, Karlitz J, Fontham ETH, Theall KP, Zhang L, **Hsieh M-C**, Pollack LA, Wu X-C. Impact of relative dose intensity of FOLFOX adjuvant chemotherapy on risk of death among stage III colon cancer patients. *Clinical Colorectal Cancer*. 2021. Published online October 01, 2021. PMID: 34756680. DOI:<https://doi.org/10.1016/j.clcc.2021.09.008>
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49. Chu QD, **Hsieh M-C**, Gibbs JF, Wu X-C. Treatment at a high-volume academic research program mitigates racial disparities in pancreatic adenocarcinoma. *J Gastrointest Oncol* 2021 Dec;12(6):2579-2590. PMID: 35070389 PMCID: PMC8748054 DOI: 10.21037/jgo-20-584.
50. **Hsieh M-C**, Zhang L, Velasco-Gonzalez C, Yi Y, Pareti LA, Trapido EJ, Chen VW, Wu-X-C. Impact of Diabetes and Modifiable Risk Factors on Pancreatic Cancer Survival in a Population-based Study after Adjusting for Clinical Factors. *Cancer Causes & Control*. 2022;33(1):37-48. PMID: 34633573. doi: 10.1007/s10552-021-01497-z (Publicly share link at <https://rdcu.be/czlqk>)
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52. Chu QD, **Hsieh M-C**, R Candal, Yi Y, Lyons J, Wu X-C. Outcomes of Breast-conserving surgery plus radiation yielded better outcomes than mastectomy for all subtypes of early-stage breast cancer: Analysis of over 200,000 women. *J Am Coll Surg*. 2022 Apr 1;234(4):450-464. PMID: 35290264 DOI: 10.1097/XCS.000000000000100
53. Yu Q, Lin Z, Zhang L, **Hsieh M**, Wu, X. Li B. Multiple Third-Variable Analysis for Competing-Risk Data -- With an Application to Explore Racial Disparity in Breast Cancer Recurrence. *Stat* 2022;e488. doi.org/10.1002/sta4.488.
54. Tanaka T, Lynch C, Yu K, Morawski B, **Hsieh M-C**, Alverson G, Zimmerman H, Austin AI, Zeng Y and Engels EA. Pancreatic cancer among solid organ transplant recipients in the United States. *Journal of Cancer Research and Clinical Oncology* 2022. PMID: 35932302. <https://doi.org/10.1007/s00432-022-04227-3>.
55. Shrestha P, Chu Q, **Hsieh M-C**, Yi Y, Peters E, Trapido E, Yu Q, Ferguson T, Wu X-C. Distance to radiation therapy facility influences surgery type among older with early-stage breast cancer, not young women. *Cancer Med*. 2022 Dec 9. doi: 10.1002/cam4.5474

Submitted Manuscripts:

1. Morawski BM, **Hsieh M-C**, Wu M, Sherman R, Mariotto A, Johnson CJ. Determining fitness for use of SEER Cause-specific cause of death in analyses of cause-specific survival. **Submitted to Journal of Registry Management on October 3, 2022.**
2. **Hsieh M-C**, Lefante T, Straif-Bourgeois SC, Yi Y, Gomez N, Shrestha P, Chen VW, Wu X-C. Racial/Ethnic and Socioeconomic Disparities in COVID-19 Infection among Working-Age

Women with Precancerous Cervical Lesion: Analysis of More Than Two Years of COVID-19 Data. **Submitted to *Frontiers in Epidemiology* on November 25, 2022.**

3. Shrestha P, Hsieh M-C, Ferguson T, Peters ES, Trapido E, Yu Q, Chu QD, Wu X-C. Superior Outcomes with Breast-Conserving Therapy over Mastectomy for Women with Early-Stage (I-II) Breast Cancer: Analysis of the CDC Patterns of Care Data Base. **Resubmitted to *Annals of Epidemiology* in January 2023.**
4. Laughlin A, Li T, Yu Q, Wu X-C, Yi Y, Hsieh M-C, Shoup M, Chu QD. Impact of Medicaid Expansion on Breast Cancer Diagnosis and Treatment in Southern States. **Submitted to *JACS* on December 12, 2022.**
5. Wang JH, Pfeiffer RM, Musgrove D, Castenson D, Frederickson M, Miller J, Gonsalves L, **Hsieh M-C**, Lynch CF, Zeng Y, Yu KJ, Hart A, Israni AK, Snyder JJ, Engels EA. Cancer mortality among solid organ transplant recipients in the United States during 1987-2018. **Resubmitted to *Transplantation* on January 12, 2023.**
6. Wu X-C, Yi Y, Maniscalco LS, **Hsieh M-C**, Gruber D, Mendoza L, Sokol T, Shrestha P, Chen VW, Mederos ET, Ochoa A. Racial Disparities in COVID19 hospitalization and Deaths among Cancer Patients and the Role of Chronic Diseases and SES Factors. **Need to be re-submitted.**

CONCORD Working Group Publications:

1. Claudia Allemani, Hannah K Weir, Helena Carreira, Rhea Harewood, Devon Spika, Xiao-Si Wang, Finian Bannon, Jane V Ahn, Christopher J Johnson, Audrey Bonaventure, Rafael Marcos-Gragera, Charles Stiller, Gulnar Azevedo e Silva, Wan-Qing Chen, Olufemi J Ogunbiyi, Bernard Rachet, Matthew J Soeberg, Hui You, Tomohiro Matsuda, Magdalena Bielska-Lasota, Hans Storm, Thomas C Tucker, Michel P Coleman, and the **CONCORD Working Group**. Global surveillance of cancer survival 1995–2009: analysis of individual data for 25 676 887 patients from 279 population-based registries in 67 countries (CONCORD-2). ***Lancet***. 2015; 385: 977-1010. Published online: November 26, 2014. DOI: [http://dx.doi.org/10.1016/S0140-6736\(14\)62038-9](http://dx.doi.org/10.1016/S0140-6736(14)62038-9).
2. Audrey Bonaventure, Rhea Harewood, Charles A Stiller, Gemma Gatta, Jacqueline Clavel, Daniela C Stefan, Helena Carreira, Devon Spika, Rafael Marcos-Gragera, Rafael Peris-Bonet, Marion Piñeros, Milena Sant, Claudia E Kuehni, Michael F G Murphy, Michel P Coleman, Claudia Allemani, and the **CONCORD Working Group**. Worldwide comparison of survival from childhood leukaemia for 1995–2009, by subtype, age, and sex (CONCORD-2): a population-based study of individual data for 89 828 children from 198 registries in 53 countries. ***The Lancet Haematology***. Published online: April 11, 2017. DOI: [http://dx.doi.org/10.1016/S2352-3026\(17\)30052-2](http://dx.doi.org/10.1016/S2352-3026(17)30052-2).
3. Hannah K. Weir, Sherri L. Stewart, Claudia Allemani, Mary C. White, Cheryl C. Thomas, Arica White, Michel P. Coleman, and the **CONCORD Working Group**. Population-based cancer survival (2001-2009) in the United States: Finding from the CONCORD-2 study. ***Cancer***. 2017; 123 (Issue Supplement S24): 4963-4968. DOI: 10.1002/cncr.31028.
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Monographs:

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2. Chen VW, Wu XC, Andrews PA, **Hsieh M-C**, Correa CN. Cancer Incidence in Five Continents Vol. IX: USA Louisiana – New Orleans. IARC Scientific Publications No 156, 2007.
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Cancer in North America

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- b. Sherman R, Firth R, De P, Green D, Hofferkamp J, Johnson C, Kohler B, Charlton M, Hofer B, **Hsieh M**, Nash S, Qiao B (eds). Cancer in North America: 2012-2016. Volume Two: Registry-specific Cancer Incidence in the United States and Canada. Springfield, IL: North American Association of Central Cancer Registries, Inc. May 2019.
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- d. Johnson CJ, Wilson R, Sherman R, Firth R, De P, Green D, Hofferkamp J, Kohler B, Charlton M, Hofer B, **Hsieh M**, Nash S, Qiao B (eds). Cancer in North America: 2012-2016 Volume Four: Cancer Survival in the United States and Canada 2009-2015. Springfield, IL: North American Association of Central Cancer Registries, Inc. May 2019

2. *Cancer in North America: 2013-2017 (30th Edition)*

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28. **Hsieh MC**, Chiu YW, Velasco V, Wu XC, O’Flarity M, Chen VW. *Impact of Race/Ethnicity and Socioeconomic Status on Adjuvant Chemotherapy Use among Elderly Patients with Stage III Colon Cancer*. Presented at NAACCR Annual Conference, Ottawa Canada. June 2014.
29. Li XR, Wu XC, Andrews PA, **Hsieh MC**, Chen VW. *Improving Completeness of Benign Brain Tumor Reporting by a Linkage with Hospital Inpatient Discharge Data - Louisiana Tumor Registry’s Experiences*. Presented at NAACCR Annual Conference, Ottawa Canada. June 2014
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41. Loch M, Li XG, **Hsieh MC**, Wu XC, and Chen VW. *New Orleans has the highest incidence rates of triple negative breast cancer*. Presented at 38th Annual CTSC-AACR San Antonio Breast Cancer Symposium. San Antonio TX, December 8-12, 2015. Abstract nr P1-09-04.
42. **Hsieh MC**, Mumphrey B, Pareti L, Wu XC. *Innovative Approach to Improve Completeness of Treatment in Cancer Registry Data*. Poster Presentation, NAACCR Annual Conference. St. Louis, MO. June 14-16, 2016.

43. Wu XC, Li XR, Petkov V, **Hsieh MC**, Andrews PA, Chen VW. Utilization of Oncotype DX Test for Node-Negative, Hormone Receptor Positive, Her2 Negative Breast Cancer in the Community Setting. Presented at NAACCR Annual Conference. St. Louis, MO. June 14-16, 2016.
44. Lefante C, **Hsieh MC**, Wu XC. Utilizing State databases to Improve Follow-up: The Louisiana Vaccination Experience. Presented at NAACCR Annual Conference. St. Louis, MO. June 14-16, 2016.
45. Lynch M, Landry I, B Mumphrey, **Hsieh MC**, Wu XC, Chen VW. Improving Patient demographics in E-Path Reports and Timely Capture of Clinically Diagnosed cancer cases by Linkage with Hospitals Admission, Discharge, and Transfer (ADT) data. Presented at NAACCR Annual Conference. St. Louis, MO. June 14-16, 2016.
46. Qiao B, Schymura M, Wu X, Wohler-Torres B, **Hsieh MC**, Huang B, Wu M, Yu Q, Sineshaw HM, Sherman R, Kruchko C, Li X, Jemal A. Multiple Primary cancers in the United States, 2007-2011. Poster Presentation. NAACCR Annual Conference. St. Louis, MO. June 14-16, 2016.
47. Zhang L, King J, Ferguson T, Wu X-C, **Hsieh M-C**, Chen VW. Socioeconomic status influences the utilization of chemotherapy differently between white and black triple negative breast cancer patients. Presented at Society of Epidemiologic Research (SER) as a poster presentation. Miami, FL, June 21-24, 2016
48. Yu Q, Wu X-C, **Hsieh M-C**, Ferguson T, Scribner RA. Mediation Analysis to Explore Racial Disparities in Breast Cancer Survival. Poster presentation. 10th Anniversary Health Disparities Conference. March 16–17, 2017 in New Orleans, LA.
49. Riley CA, Wu EL, **Hsieh M-C**, Marino MJ, Wu X-C, McCoul ED. Gastroesophageal reflux as a precursor to malignancy of the upper aerodigestive tract in the United States. Presented at the Triological Society Annual Meeting at COSM in San Diego, CA, April 28-30, 2017.
50. Wu M, **Hsieh MC**, Huang B, Jemal A, Kruchko C, Li X, Qiao B, Sherman R, Sineshaw H, Wohler B, Wu X, Yu Q. Breast cancer biomarker data quality evaluation among Central Cancer Registries in the US, 2010-2013. Presented at NAACCR Annual Conference, Albuquerque, NM, June 22, 2017.
51. Yi Y, **Hsieh M-C**, Li X, Wu X-C. The Completion of Chronic Comorbidity Reporting from Hospital Inpatient Discharge Data Varies by Observed Time Windows. Poster Presentation. NAACCR Annual Conference, Albuquerque, NM, June 20-22, 2017.
52. Abastillas G, Lam C, Petkov V, Adamo P, Coyle L, Stevens J, Wu X-C, **Hsieh M-C**, Negoita S. Data Quality Audit on Melanoma Tumor Depth. Poster presentation. NAACCR Annual Conference, Albuquerque, NM, June 20-22, 2017.
53. Crawford A, Benard VB, Greek A, Stroup A, Herman N, **Hsieh M-C**, Alverson G, O'Flarity M, Huh W, Jackson JE. The Case Investigation of Cervical Cancer (CICC) Study: Chart Abstraction from Primary and Specialty Care Providers 5 Years Prior to Patient Diagnosis. Poster presentation. NAACCR Annual Conference, Albuquerque, NM, June 20-22, 2017.
54. Yu Q, Wu X, **Hsieh M**, Li B, Scribner RA. Explore Racial Disparities in Breast Cancer Survival Using Nonlinear Mediation Analysis. Accepted. The Western North American Region of the international Biometric Society, Santa Fe, NM. June 25-28, 2017.

55. Marino MJ, **Hsieh M-C**, Wu EL, Riley CA, Wu X-C, McCoul ED. Screening for Nasopharyngeal and Paranasal Sinus Cancer. Presented at American Academy of Otolaryngology–Head and Neck Surgery Foundation (AAO-HNSF) 2017 Annual Meeting & OTO Experience. Chicago, IL. September 10-13, 2017.
56. **Hsieh M-C**, Pareti L, Mumphrey B, Pappas N, Yi Y, Lefante C, Wu X-C. Central Cancer Registry Data Quality Improvement: Routine and Innovative Approaches. Presented at 2018 National Cancer Registrars Association (NCRA) Annual Educational Conference. New Orleans, LA. May 23, 2018.
57. **Hsieh M-C**, Pappas N, Pareti L, Mumphrey B, Peterson, Yi Y, Wu X-C. Evaluating Coding Completeness and Accuracy – Reabstraction Audit. Poster Presentation at 2018 NCRA Annual Educational Conference. New Orleans, LA. May 21-23, 2018.
58. Lefante C, Yi Y, **Hsieh M-C**, Wu X-C. Using the State's Hospital Inpatient Discharge Data to Aid Death Clearance Follow-Back. Presented at 2018 NCRA Annual Educational Conference. New Orleans, LA. May 21-23, 2018.
59. Yi Y, **Hsieh M-C**, Wu X-C. Hospital Inpatient Discharge Data Helps Improve the Comorbidity and Insurance Information in Cancer Registry Data. Poster Presentation at 2018 NCRA Annual Educational Conference. New Orleans, LA. May 21-23, 2018.
Received the First Place Award.
60. **Hsieh M**, Zhang L, Wu X, O'Flarity M, Loch M, Chen VW. The Association of Breast Cancer Subtypes, Guideline-Concordant Treatment and Survival among Patients with Stage I-III Disease. Presented at NAACCR 2018 Annual Conference. Pittsburg PA, June 12-14, 2018.
61. **Hsieh M**, Kruchko C, Sherman R, Huang B, Wu M, Sineshaw H, Qiao B, Yu Q, Wu X. Evaluating the Completeness of WHO Grade for Brain and Central Nervous System Tumors in the US, 2010-2014. Presented at NAACCR 2018 Annual Conference. Pittsburg PA, June 12-14, 2018.
62. Maniscalco L, Rosales C, Yi Y, **Hsieh M**, Scoppa S, Yu M, Wu XC. Producing Cancer Statistics at the Census Tract Level: A Louisiana Story. Poster Presentation at NAACCR 2018 Annual Conference. Pittsburg PA, June 12-14, 2018. **Received the Second Place Award.**
63. Riley CA, Marino MJ, **Hsieh M-C**, Wu EL, Wu X-C, McCoul ED. Detection of laryngeal carcinoma in the U.S. elderly population with gastroesophageal reflux disease. AAO-HNSF 2018 Annual Meeting & OTO Experience. Atlanta, GA. October 7-10, 2018
64. Yu Q, Zhang L, **Hsieh M**, Wu X, Scribner R, Li B. Regularized multiple mediation analysis for big data set—With an application to explore racial disparity in breast cancer survival [abstract]. In: Proceedings of the Eleventh AACR Conference on the Science of Cancer Health Disparities in Racial/Ethnic Minorities and the Medically Underserved; 2018 Nov 2-5; New Orleans, LA. Philadelphia (PA): AACR; Cancer Epidemiol Biomarkers Prev 2020;29(6 Suppl):Abstract nr C020.
65. Zhang L, **Hsieh M-C**, Petkov V, Yu Q, Wu X-C. Trend of utilization of Oncotype DX testing among female hormone receptor positive breast cancer patients in 14 SEER registries, 2004-2015. Poster Presentation at 41st Annual CTRC-AACR San Antonio Breast Cancer Symposium. San Antonio TX, December 4-8, 2018. Abstract nr P3-12-20.

66. Zhang L, **Hsieh M-C**, Petkov V, Wu X-C, Yu Q. Utilization and survival benefit of radiation therapy among hormone receptor positive breast cancer patients with recurrence score from Oncotype DX testing. Poster Presentation at 41st Annual CTRC-AACR San Antonio Breast Cancer Symposium. San Antonio TX, December 4-8, 2018. Abstract nr P3-12-23.
67. Zhang L, **Hsieh M-C**, Yu Q, Wu X-C. Racial differences in the risk of secondary bladder cancer following radiation therapy among prostate cancer patients. Poster presentation at AACR 2019 conference, Atlanta, GA, March 27 – April 2, 2019. Abstract #:4204
68. **Hsieh M-C**, Van Dyne E, Lefante C, Shapiro JA, Lynch MA, Pordell P, Gomez N, Mumphrey B, Maniscalco L, Jetly-Shridhar R, Wu X-C. Evaluating the utilization of Lower Anogenital Squamous Terminology (LAST) two-tiered classification for preinvasive cervical cancer and its impact on reporting in a population-based cancer registry. Oral presentation at NAACCR 2019 Annual Conference. Vancouver, BC, Canada, June 13, 2019
69. Lefante C, Wu X-C, **Hsieh M-C**, Mumphrey B. Louisiana’s hospital follow-up exchange: A decade of partnership. Oral presentation at NAACCR 2019 Annual Conference. Vancouver, BC, Canada, June 11, 2019
70. Lynch MA, Wu X-C, Mumphrey B, **Hsieh M-C**. Early case capture of pediatric and young adult cancers: considerations for future rapid case ascertainment studies. Oral presentation at NAACCR 2019 Annual Conference. Vancouver, BC, Canada, June 12, 2019.
71. Pollack L, Thompson T, Christopher J, Wu X, Rees J, Rycroft R, **Hsieh M-C**, Wilson R, Freeman MB, Zhang K, Benard V, Wu M. Tracking recurrence in population-based cancer surveillance: Where to start? Literally! Oral presentation at NAACCR 2019 Annual Conference. Vancouver, BC, Canada, June 13, 2019
72. Thompson T, Pollack L, Christopher J, Wu X, Rees J, Rycroft R, **Hsieh M-C**, Wilson R, Freeman MB, Zhang K, Benard V, Wu M. Defining cancer recurrence in a population-based cancer surveillance study. Oral presentation at NAACCR 2019 Annual Conference. Vancouver, BC, Canada, June 13, 2019
73. Wu XC, Lynch MA, Bao L, Zhou M, **Hsieh M**, Kalitz J. Utilization of microsatellite instability testing and associated factors among colorectal cancer patients. Oral presentation at NAACCR 2019 Annual Conference. Vancouver, BC, Canada, June 13, 2019
74. Greek A, Jackson E, **Hsieh M**, Alverson G, Crosbie A, Stroup AM, Benard VB. Medical chart review for screening history among women with invasive cervical cancer in three states: CICC Study, 2013-2016. Oral presentation at NAACCR 2019 Annual Conference. Vancouver, BC, Canada, June 13, 2019
75. Chu QD, **Hsieh M-C**, Chu YD, Wu X-C. Breast cancer Mortality for elderly Women with Breast cancer is Highest at Community Cancer Center Compared to Comprehensive Community Cancer Program and Academic Research Program. Presented at Louisiana Chapter American College of Surgeons, New Orleans, LA. January 18, 2020.
76. Chu QD, Chu YD, **Hsieh M-C**, Lagraff T, Zibari GB, Shokouh-Amiri H, Gibbs JF, Tan T-W, Wu X-C. Treatment at a High Volume Academic Research Program Mitigates Racial/Ethnic Disparities in Pancreatic Adenocarcinoma. Presented at Louisiana Chapter American College of Surgeons, New Orleans, LA. January 19, 2020.

77. Chu QD, Chu YD, **Hsieh M-C**, Lagraff T, Zibari GB, Shokouh-Amiri H, Gibbs JF, Tan T-W, Wu X-C. Rural Residence Does Not Predict Outcome for Resected Pancreatic Adenocarcinoma. Poster presentation at Louisiana Chapter American College of Surgeons, New Orleans, LA. January 17-19, 2020
78. Chu QD, **Hsieh M-C**, Chu Y, Lagraff T, Wu X-C. Higher Breast Cancer Mortality at Community Center. Presented at the 15th Annual Academic Surgical Congress. Orlando, FL. February 4-6, 2020. Abstract #:ASC20200336.
79. Chu QD, **Hsieh M-C**, Tan T-W, Chu Y, Lagraff T, Lyons J, Kandil E, Corsetti R, Gnerlich JL, Wu X-C. Operable Breast Cancer Mortality in Rural Louisiana: Results of the Louisiana Cancer Consortium. QuickShot Presentation at the 15th Annual Academic Surgical Congress, Orlando, FL. February 4-6, 2020. Abstract #: ASC20200229.
80. Zhang Y, Simoff MJ, Ost D, Wagner O, Lavin J, Nauman E, **Hsieh M-C**, Wu XC, Shi L. Lung cancer patient characteristics from a data linkage study. Poster presentation at ISPOR 2020, Orlando, FL. May 18, 2020, Poster# PCN226.
81. Zhang Y, Simoff MJ, Ost D, Wagner O, Lavin J, Nauman E, **Hsieh M-C**, Wu XC, Shi L. Follow-up of Patients with SPN and No Evidence of Lung cancer: A Data Linkage Study. Poster presentation at ISPOR 2020, Orlando, FL. May 18, 2020, Poster# PCN237.
82. Zhang Y, Simoff MJ, Ost D, Wagner O, Lavin J, Nauman E, **Hsieh M-C**, Wu XC, Shi L. Data linkage between Tumor Registry and Electronic Medical Record for patient Journey study in lung cancer. Poster presentation at ISPOR 2020, Orlando, FL. May 18, 2020, Poster# PCN349.
83. **Hsieh M**, Wu X, Kruchko C, Qiao B, Ostrom Q, Sineshaw H, Wu M, Huang B, Sherman R. Evaluating Types of Diagnostic Confirmation and Unknown Rate between Benign/Borderline and Malignant Brain Tumors among Central Cancer Registries in the United States. Poster presentation at NAACCR 2020 virtual conference, June 23-25, 2020.
84. Lefante CM, **Hsieh M-C**, Gomez N, Wu X-C. Best Practices for Collecting Timely CIN-3 Data in a Central Cancer Registry Setting. NAACCR 2020 annual conference.
85. Wu X-C, Lynch MA, Mi W, Mumphrey B, Yi Y, **Hsieh M**, Karlitz J. Trends of MSI/IHC Testing, Sociodemographic Disparities in Its Utilization, and Percentage of Positive Results among Colorectal Cancer Patients. NAACCR 2020 annual conference.
86. Yi Y, Maniscalco LS, **Hsieh M**, Wu X-C. Consistencies between the usual body weight and body weight collected by population-based cancer registry. NAACCR 2020 annual conference.
87. Zhang L, **Hsieh M-C**, Neroda P, Wu X-C, Wu J, Hicks C, Rennert L, Gimbel R. Timely treatment and survival for localized lung cancer. Poster presentation at IASLC 2020 North American Conference on Lung Cancer virtual meeting on October 16-17, 2020.
88. Neroda P, **Hsieh M-C**, Wu X-C, Cartmell K, Mayo R, Wu J, Hicks C, Zhang L. Racial disparity in the timely treatment of non-small cell lung cancer. Poster presentation at IASLC 2020 North American Conference on Lung Cancer virtual meeting on October 16-17, 2020.
89. Kao Y-H, **Hsieh M-C**, Wu X-C, Tseng T-S. Cigarette smoking and cancer-specific mortality in tobacco-related and non-tobacco related cancer survivors. Poster presentation at the APHA 2020 virtual annual meeting & Expo. October 24-28, 2020.

90. Chu QD, **Hsieh M-C**, Lyons J, Wu X-C. 10-Year Survival after Breast-Conserving Surgery is better than Mastectomy for Louisiana Women with Early Breast Cancer: A Population-Based Study. Abstract #30. Southern Surgical Association Annual Scientific Program 2020
91. Loch M, **Hsieh MC**, Wu XC, and Chen VW. Triple negative breast cancer in New Orleans. Poster presentation at the 2020 San Antonio Breast Cancer Symposium®, December 8-12, 2020.
92. Kao Y-H, **Hsieh M-C**, Wu X-C, Tseng T-S. Association between smoking status and late-stage diagnosis of breast cancer. Post presentation at the Society of Epidemiology Research (SER) 2020 Virtual conference, December 16-18, 2020.
93. Jetly R, Li T, **Hsieh M-C**, Mumphrey B, Wu X-C. Impact of WHO-2017 Guidelines and Sociodemographic Factors on Pathology Evaluation of Diffuse Large B-Cell Lymphomas in Louisiana. Post presentation at United States and Canadian Academy of Pathology (USCAP) 2021 Annual Meeting, March 13-18, 2021.
94. Zhang Y, **Hsieh M-C**, Nauman B, Callison K, Tackett S, Shi L. Risk Factors of Treatment Delay Among NON-SMALL Cell Lung Cancer (NSCLC) Patients in Louisiana. Research Abstract for Virtual ISPOR 2021 conference, May 17-20, 2021
95. Zhang Y, **Hsieh M-C**, Nauman B, Callison K, Tackett S, Shi L. Treatment Delay of Non-Small Cell Lung Cancer (NSCLC) in Louisiana. Poster presentation at AcademyHealth 2021 Annual Research Meeting, June 14-17, 2021.
96. **Hsieh M-C**, Zhang L, Velasco-Gonzalez C, Yi Y, Pareti LA, Trapido E, Chen VW, Wu X-C. Do Modifiable Risk Factors Impact Pancreatic Cancer Survival in a Population-based Study after Adjusting for Clinical Factors? Virtual poster presentation at NAACCR Summer Forum 2021. June 15-17, 2021. **Received the 2nd Place Poster Award.**
97. Wu X-C, Yi Y, **Hsieh M-C**, Lyons J, Chu QD. Lower 10-year survival among total mastectomy recipients than recipients of breast-conserving surgery plus radiation among early-stage breast cancer patients. Presented at NAACCR Summer Forum 2021. June 15-17, 2021.
98. Chu QD, Yi Y, **Hsieh M-C**, Lyons J, Wu X-C. Breast-conserving surgery plus radiation yielded better outcomes than mastectomy for all subtypes of early-stage breast cancer. Analysis of over 200,000 women. Oral presentation at Southern Surgical 2021 conference, December 5-8, 2021 in Hot Springs, Virginia. Abstract# 368.
99. Li T, **Hsieh M**, McDaniel LS, Peters E. The impact of environmental quality on colorectal cancer incidence rates in the United States. Poster presentation at AACR Virtual Conference: 14th AACR Conference on the Science of Cancer Health Disparities in Racial/Ethnic Minorities and the Medically Underserved. October 6-8, 2021.
100. Wu X-C, Yi Y, Maniscalco L, **Hsieh M-C**, Gruber D, Mendoza L, Sokol T, Moderos ET, Ochoa A. Racial Disparity in COVID-19 Severity after Adjusting for Chronic Illnesses and Sociodemographic Factors. Oral presentation at AACR Annual Meeting 2022. April 8-13, 2022, New Orleans, LA.
101. Candal R, Li T, **Hsieh M**, Yi Y, Gibbs JF, Wu X, Chu QD. Survival Paradox between Stage IIB/C and Stage IIIA Colon Cancer. Presented at the 2022 Academic Surgical Congress on Feb 1-3, Orlando, FL. Abstract ID: ASC20220709.

102. Tanaka T, Lynch C, Yu K, Morawski B, **Hsieh M-C**, Alverson G, Zimmerman H, Austin AI, Zeng Y and Engels EA. Pancreatic cancer among solid organ transplant recipients in the United States. Poster Presentation at 2022 Digestive Disease Week, May 22, 2022.
103. Stewart N, **Hsieh M-C**, Shoup M, Arnoletti JP, Wu X-C, Chu QD. Is Adjuvant Chemotherapy Necessary for Stage I Appendiceal Adenocarcinoma? Oral presentation at Florida Chapter - ACS 2022 Annual meeting on May 14, 2022, Tampa, FL
104. **Hsieh M-C**, Lefante T, Yi Y, Wu X-C. Racial/Ethnic Disparities in COVID-19 Infection among Working-Age Women with Precancerous Cervical Lesion. Poster presentation at NAACCR 2022 Summer Forum, June 14-16, 2022. **Received the 2nd Place Poster Award.**
105. Johnson C, Morawski B, **Hsieh M-C**, Wu M, Mariotto A, Sherman R. Assessing central registry fitness-for-use of cause of death data for cause-specific survival. Presented at NAACCR 2022 Summer Forum. June 14-16, 2022.
106. Wu X-C, Yi Y, Maniscalco L, **Hsieh M-C**, Shrestha P, Chen VM, Gruber A, Mendoza L, Sokol T, Mederos ET, Ochoa A. Racial Disparity in COVID-19 Related Hospital Admission among Breast Cancer Patients. Presented at *NAACCR 2022 Summer Forum, June 14, 2022.*
107. Shrestha P, **Hsieh M-C**, Yi Y, Wu X-C. Factors associated with increased COVID-19 deaths among COVID-19 prostate cancer patients varied by race. Poster presentation at NAACCR 2022 Summer Forum, June 14-16, 2022.
108. Palm PH, **Hsieh M-C**, Shoup M, Arnoletti JP, Wu X-C, Chu QD. Is Adjuvant Chemotherapy Necessary for Stage IIB/IIC Appendiceal Adenocarcinoma? Submitted to ACS in May 2022.
109. Li T, Rung AL, KC M, **Hsieh M-C**, LS Rozek, Peters ES. The effect of neighborhood deprivation on colon cancer patients in Louisiana: A multilevel study. Poster presentation at 15th AACR Conference on The Science of Cancer Health Disparities in Racial/Ethnic Minorities and the Medically Underserved - American Association for Cancer Research (AACR) on September 16-19, 2022. Philadelphia, PA
110. Laughlin A, Li T, Yu Q, Wu X, Yi Y, **Hsieh M-C**, Shoup M, Chu Q. Impact of Medicaid Expansion on Breast Cancer Diagnosis and Treatment in Southern States. Presented at the 2022 Annual Meeting of the Southern Surgical Association. December 4-7, 2022, Palm Beach, FL
111. **Hsieh M-C**, Sherman R. The Data Quality of Race_1 Field, Issues and Implications. Oral presentation at NCRA 49th Annual Educational Conference. San Diego, CA, May 10, 2023.
112. Zwald F, Yu K, Austin A, **Hsieh M**, Pawlish K, Li J, Lynch C, Sargen M, Engels E. melanoma-Specific Mortality in Patients with Pre-transplant melanoma. American Transplant Congress, San Diego, CA, June 3-7, 2023.
113. Gaffley M, Li T, **Hsieh M-C**, Yi Y, Gibbs J, Wu X-C, Gallagher J, Chu QD. Rural versus urban commuting patients with Stage III Colon Cancer: Is there a difference in treatment and outcome? **Submitted to SAGES in September 2022.**
114. Venkatesh H, Laughlin A, Li T, Yu Q, Wu X, Yi Y, **Hsieh MC**, Shoup M, Chu QD. ACA Expansion Increases Access for Black, Rural Patients with Pancreatic Cancer in Southern States. *Accepted by AHPBA 2023 conference on January 6, 2023.* Poster Presentation, *March 9 – 12, 2023, Miami, FL*

115. Zhao Y, Sun L, **Hsieh M**, Jamero D, Shi L. Racial Disparity in Treatment among Louisiana Work-Age Survivors with Breast Cancer. Accepted by XULA Health Disparities Conference. Poster Presentation, February 23, 2023, New Orleans, LA.
116. Zhao Y, Sun L, **Hsieh M**, Jamero D, Shi L. Racial/Ethnic Disparity in Follow-up Care among Work-Age Female Breast Cancer Survivors in Louisiana: Preliminary Results. Submitted to ISPOR 2023 conference on January 2023. ISPOR 2023, May 7 - 10, 2023.

Invited Speaker/Instructor:

- **2009 International Conference on Cancer Registry (ICCR), September 19-20, 2009, Taipei, Taiwan**
 - *Facility Oncology Registry Data Standards (FORDS): Revised for 2009 and 2010 Changes*
 - *Multiple Primary and Histology Coding Rules*
- **2012 National Cancer Registrars Association (NCRA), April 21st, 2012, National Harbor, MD.**
"E-Path: The Next Frontier in Registry Operation – Louisiana's Experience
- **7th General Assembly and International Conference of Asian Pacific Organization for Cancer Prevention. March 20-23, 2014, Academia Sinica, Taipei, Taiwan.**
 - *An Introduction of ICD-10-CM for the Taiwan Cancer Registry*
 - *Electronic Health Record and Health Information Exchange Affect cancer Registry Operation*
- **Taiwan Society of Cancer Registry Train the Trainer Workshop, March 22, 2014. Taiwan National University, Taipei, Taiwan.**
 - *2014 updates on hematopoietic and lymphoid neoplasm database and coding manual*
 - *New instructions for coding grade*
 - *Highlights of 2015 solid tumor database and manual*
 - *CTR exam in the United States*
 - *Coding scope of regional lymph node surgery*
- **SEER 2015 Workshop – Advanced Topics for Registry Professionals. May 19-20, 2015. San Antonio, TX**
 - *New 2014 Grade Coding Rules*
- **Taiwan Society of Cancer Registry Train the Trainer Workshop, Tai-Chung, Taiwan, June 23-24, 2018.**
 - *Site-Specific Data Items (SSDIs)*
 - *Extent of Disease (EOD) 2018 and Summary Stage 2018*
 - *Collaborative Staging (CS) to EOD Schema: Using SEER Registrar Staging Assistant (SEER*RSA)*

- *2018 Grade Coding Rules*
- *Use of Cancer Registry Data*
- **2019 International Conference on Cancer Registry (ICCR), October 18-19, 2019, Taipei, Taiwan**
 - AI and Cancer Registry in the United States: Current Progress, Future Advances, and Implementation of AI-Based Cancer Registry
 - Collecting and Coding Recurrence Data and Its Utilization in the United States
- **NAACCR virtual workshop - Using Linkages to Enhance Cancer Registry Operations , May 18, 2021**
 - Requesting Annual Hospital Re-transmit of Cases to Improvement Cancer Data Completeness: A 15-Month Data Submission
- **SEER Quality Improvement Experts (QIE) meeting, October 11, 2022**
 - Using External Data Sources to Enhance Cancer Data Quality: LTR's Experiences

Presentations at Louisiana Cancer Registrars Association (LCRA) Conference:

- *"LTR Major Data Submissions and Deadlines"*, LCRA Spring conference, March 15-16, 2004.
- *"SEER Data Quality Profiles"*, LCRA Spring conference, March 16-17, 2006.
- *"Race Codes for Asian and Pacific Islander"* LCRA Fall conference, October 17-19, Lafayette, LA. 2007
- *"Important Non-CS 2010 Data Items – New and Revised"* LCRA Fall conference, Lafayette, LA. November 11-12, 2010
- *"Data Processing in the Louisiana Tumor Registry"* LCRA Spring conference, Baton Rouge, LA. April 14-15, 2011
- *"Required New Variables for CDC-NPCR CER Specialized Registry"* LCRA Spring conference, April 14-15, 2011
- *"Identifying CS Coding Inconsistency Issues Using In-house Edits"* LCRA Fall conference. Lafayette, LA. September 20-21, 2012
- *"Award for the Outstanding Hospital Registries – LTR DQI Report"* LCRA Fall conference. Baton Rouge, LA. October 17-18, 2013
- *"Innovative Method to Improve the Completeness of Benign/Borderline Brain/CNS Tumor"* LCRA Annual conference. Lafayette, LA. October 17, 2014.
- *"Certification Awards for Outstanding Hospital Registries"*, LCRA Annual conference, Baton Rouge, LA. October 15-16, 2015
- *"LTR Data Quality-Reabstraction Audit Results"*, LCRA 2017 Annual Conference, Shreveport, LA. October 12-13, 2017.

- *"2018 Grade Coding Rules"* LCRA 2018 Annual Conference, Baton Rouge, LA. October 19, 2018.
- *"LTR Casefinding Audits Results: Why Cases Are Missed?"* LCRA 2019 Annual Conference, Lafayette, LA. September 13, 2019.

RESEARCH ARTICLE AND APPLICATION REVIEWS

Journal Reviewer:

- Journal of Adolescent and Young Adult Oncology
- Journal of Open Research Software
- Scientific Reports
- Journal of the Royal Statistical Society
- Colorectal Cancer
- Statistics in Medicine
- Annals of Epidemiology
- BMC Cancer
- JNCCN
- The American Journal of Managed Care
- British Journal of Cancer
- Journal of Geriatric Oncology
- ESMO (European Society for Medical Oncology) open
- Clinical Breast Cancer
- PLOS Global Public Health
- Cancer Management and Research
- Ethnicity & Health
- Cancer
- Frontiers in Oncology

North American Association of Central Cancer Registries (NAACCR) Research Application Review:

I serve as a member of NAACCR Research Application Review Workgroup and review the applications for using the NAACCR CiNA data.

- 2015 - present

NAACCR IRB Publication Review:

I serve as a member of NAACCR IRB committee and review NAACCR IRB applications and publications that used the NAACCR CINA Deluxe analytic data to ensure researcher complying with the IRB assurances and NAACCR confidentiality rules.

- 2017-present

NAACCR VPR Research Review Committee

- 2018-present

SEER-Medicare Linkage Data Application Review:

- 2019 - present

Abstract Reviewer for Professional Conference

- NAACCR Annual Conference: 2015 - present

Moderator of Conference:

- North American Association of Central Cancer Registries (NAACCR) 2016 Annual Conference: Student oral presentations, St. Louis, MO, June 14, 2016.

NAACCR International Fellows Mentor: June 10, 2019

Judge of Research Presentations:

- NAACCR 2016 Annual Conference: Student Poster Presentations. St. Louis, MO, June 14-16, 2016.
- NAACCR 2017 Annual Conference: Student Poster Presentations. Albuquerque, NM, June 20-22, 2017.
- NAACCR 2018 Annual Conference: Student Poster Presentations. Pittsburg, PA, June 12-14, 2018.
- NAACCR 2019 Annual Conference: Student Poster Presentations. Vancouver, BC, Canada, June 11-13, 2019.
- LSUHSC 2019 Summer Research Internship Program Poster Session. New Orleans, LA. July 26, 2019