

CURRICULUM VITAE

H. Lester Kirchner, Ph.D.

May 29, 2022

Name

Henry Lester Kirchner, Ph.D.

Address and Phone

Geisinger Health

100 N. Academy Ave

Danville, PA 17822-4400

Phone: 570-214-8125

Email: hlkirchner@geisinger.edu

Education

B.S.	1993	Mathematics	Central Michigan University	Mt. Pleasant, MI
M.S.	1996	Biostatistics	University of Iowa	Iowa City, IA
Ph.D.	1999	Biostatistics	University of Iowa	Iowa City, IA

Professional Appointments

07/2021 – present	Interim Chair, Department of Translational Data Science & Informatics, Geisinger Health, Danville, PA
01/2020 – present	Professor and Chair, Department of Population Health Sciences, Geisinger Health, Danville, PA
11/2016 – present	Adjunct Associate Professor, Global Immigrant Health Section, Department of Pediatrics, Baylor College of Medicine, Houston, TX
09/2017 – 12/2019	Interim Co-Chair, Department of Epidemiology & Health Services Research, Geisinger Health, Danville, PA
10/2017 – 8/2019	Interim Co-Chair, Department of Biomedical & Translational Informatics, Geisinger Health, Danville, PA
01/2016 – 12/2019	Professor, Department of Biomedical & Translational Informatics, Geisinger Health, Danville, PA
10/2012 – 5/2021	Director, Biostatistics Core, Geisinger Health, Danville, PA
11/2011 – present	Staff Biostatistician, Division of Medicine, Geisinger Health System, Danville, PA
03/2010 – 06/2020	Adjunct Associate Professor, Division of Medicine, School of Medicine, Temple University, Philadelphia, PA
10/2007 – 10/2011	Senior Research Investigator / Biostatistician, Center for Health Research, Geisinger Health System, Danville, PA
10/2007 – 10/2011	Head, Biostatistics & Research Data Core, Center for Health Research, Geisinger Health System, Danville, PA
7/2007 – 9/2007	Associate Professor, Center for Clinical Investigation, Division of General Medical Sciences, School of Medicine, Case Western Reserve University, Cleveland, OH
8/2005 – 10/2007	Director, Informatics Core, Case Transdisciplinary Research on Energetics and Cancer
1/2003 – 6/2007	Director, Biostatistics and Data Management Core, Division of Clinical Epidemiology & Biostatistics, Department of Pediatrics
6/2001 – 6/2007	Assistant Professor, Division of Clinical Epidemiology & Biostatistics, Department of Pediatrics, Rainbow Babies and Children's Hospital, Case Western Reserve University, Cleveland, OH
7/2001 – 10/2007	Secondary Appointment, Department of Epidemiology and Biostatistics, College of Medicine, Case Western Reserve University, Cleveland, OH
2/2000 – 6/2001	Instructor, Division of Clinical Epidemiology & Biostatistics, Department of Pediatrics, Rainbow Babies and Children's Hospital, Case Western Reserve University, Cleveland, OH

Professional Membership

2019 – PRIM&R
2015 – American Medical Informatics Association
2011 – American Society of Nephrology
2006 – 2008 American Academy of Sleep Medicine
2000 – 2007 Cleveland Chapter of the American Statistical Association
2000 – 2004 Society for Clinical Trials
1995 – American Statistical Association
1994 – International Biometrics Society / Eastern North American Region

Professional Service

2022 Israel Science Foundation, Personal Research Grants reviewer
2022 Department of Veteran Affairs, Special Projects in Rehabilitation Excellence (SPiRE), grant reviewer (2 panel sessions, February and August)
2022 AMIA 2022 Annual Meeting abstract reviewer
2021 DiCAYA DEQ Co-Chair
2021 HSCRN 2022 Annual Meeting abstract reviewer
2021 BMC Medicine, reviewer
2021 Frontiers in Medicine, reviewer
2021 Department of Veteran Affairs, Special Projects in Rehabilitation Excellence (SPiRE), grant reviewer (2 panel sessions, February and October)
2020 BMC Family Practice, reviewer
2020 – present Scientific Reports, reviewer
2020 – present Children, Editorial Board
2019 – present Annual of Internal Medicine reviewer
2019 – present NCI/Geisinger Steering Committee
2019 American Public Health Association 2019 Annual Meeting abstract reviewer
2019 American Medical Informatics Association 2019 Annual Meeting abstract reviewer
2019 Health Care Systems Research Network, Abstract and Panel Review Committee, 2020 Annual Meeting
2017 – 2018 Department of Veteran Affairs, Million Veteran Program, Gamma Grant reviewer
2017 National Institute of diabetes and Digestive and Kidney Diseases, U24 Pilot Clinical Trials in Pediatric Chronic Kidney Disease Data Coordinating Center, U01 Pilot Clinical Trials in Pediatric Chronic Kidney Disease Participating Clinical Centers. June 16, 2017
2017 - 2018 International Society for Pharmacoepidemiology abstract reviewer
2017 Pacific Symposium on Biocomputing (PSB) session co-organizer
2016 Children, Reviewer
2015 – American Medical Informatics Association Annual Meeting abstract reviewer
2015 – Cosmos Research Data Network Leadership Council
2013 Annals of Internal Medicine, Reviewer
2011 – 2017 DSMB, Elucidation of the Influence of Sleep Apnea on Risk of Atrial Fibrillation (R01), PI: Reena Mehra, MD, MS
2008 – 2011 DSMB, Oxidative Stress in Sleep Apnea and Cardiac Disease (K23 award), PI: Reena Mehra, MD, MS
2008 National Institute of Diabetes and Digestive and Kidney Diseases, Hepatitis B Clinical Research Network (U01) grant reviewer
2008 National Institute of Diabetes and Digestive and Kidney Diseases, Multi-Disciplinary Approach to the Study of Chronic Pelvic Pain (MAPP) Research Network (U01) grant reviewer
2007 National Cancer Institute, Comprehensive Minority Institute Cancer Center Partner grant reviewer
2007 Science of the Total Environment, Reviewer
2007 Psychiatry Research, Reviewer
2003, 2006- SLEEP, Reviewer

2006 - Journal of Clinical Sleep Medicine, Reviewer
 2003 – 2005 Data and Safety Monitoring Board, Carotid Stenting Registry
 External Statistical Representative
 Genesis Health System, Davenport, Iowa
 2000 – 2003 Contributing Editor for Current Index to Statistics (International Biometrics Society)
 2002, 2003 American Journal of Respiratory and Critical Care Medicine, Reviewer
 2002 The Statistician, Reviewer
 2001 Ambulatory Pediatrics, Reviewer

Service/Committees

2021 - Geisinger Implementation and Evaluation Steering Committee, Co-Chair
 2021 - Geisinger AI/ML Steering Committee, member
 2020 - 2021 Geisinger Human Subjects Research Re-Start Workgroup
 2020 - 2021 Geisinger COVID-19 Research Oversight Committee, member
 2020 Geisinger COVID-19 Contact Tracing
 2020 – PCORnet Designation Committee
 2020 – Geisinger Surgery Institute, Research Committee Member
 2019 - Geisinger-NCI Steering Committee member
 2018 Program in Quantitative Genomics, Harvard SPH, Planning Committee member
 2017 – Geisinger Faculty Affairs Committee
 2016 – 2021 Chair, Geisinger Data Governance Committee
 2014 – Director, Clinical Research Program Curriculum, Geisinger Health
 2014 – Geisinger Scientific Review Committee, member
 2012 - 2013 Co-Director, Clinical Research Program Curriculum, Geisinger Health
 2011 - 2022 Chair, Co-Chair, Geisinger Institutional Review Board, Geisinger Health, member since 2008
 2010 - 2011 HMO Research Network – Knowledge Management committee member
 2010 - 2011 Geisinger Scientific Review Committee member
 2010 Resident and Fellow Scholarship Days, Abstract Reviewer
 2009 - 2011 Member, Pediatric Research & Innovation Advisory Meeting, Geisinger Health, Department of Pediatrics
 2008 Poster Judge, Geisinger Resident Research Day, May 16, 2008
 2008 - 2011 Biostatistics & Research Data Core Seminar coordinator, Geisinger Center for Health
 2008 - 2009 Center for Health Research, Core Dataset Scientific Advisory Board, Geisinger Health
 2007 Resident Research Advisory Group, Geisinger Health
 2007 Data Quality & Analysis Task Force, Geisinger Health
 2002 – 2007 Department of Pediatrics Institutional Review Board Committee, Case Western Reserve University
 2000 – 2007 Clinical Trials Development & Review Committee (Full Member)
 CASE Comprehensive Cancer Center

Teaching Activities

<u>Year</u>	<u>Course</u>	<u>Hours Responsible</u>
2019	Department of Urology, Grand Rounds, Geisinger “Introduction to Biostatistics”	
2019	Patient to Partner Curriculum, Geisinger “Epidemiology & Biostatistics: The Basics”	
2014 –	Director Research Methods Course, Geisinger	14 (25+ students)
2009-2013	Co-Director Research Methods Course	14 (25 students)
2009	Introduction to Research, Co-Director	3 (15+ residents)
2009	Sample Size Estimating, Department of Surgery Research Lectures	1 (25 students)
2008	Estimating Sample Size & Power, Clinical Epidemiology & Research	

	Methods course	1 (12 students)
2007	CRSP 407 – Logistic Regression and Survival Analysis	40+ (7 students)
2006	CRSP 407 – Logistic Regression and Survival Analysis	40+ (6 students)
2006	Pediatric Intern/Resident Journal Club	1 (30 residents)
2006	DENT 510 – Epidemiology and Biostatistics	7 (19 students)
	Guest lecturer on biostatistical methods	
2005	DENT 510 – Epidemiology and Biostatistics	7 (15 students)
	Guest lecturer on biostatistical methods	
2005	Certificate in Teaching and Learning	
	This certificate was earned as the result of participating in the faculty development sessions on Teaching and Learning at Case School of Medicine	
2005	CRSP 407 – Logistic Regression and Survival Analysis	40+ (8 students)
2004	CRSP 407 – Logistic Regression and Survival Analysis	40+ (7 students)
	Required course in the Clinical Scholars Research Program	
2003	Division of Clinical Epidemiology, Research Lecture Series	2
2002	Division of Clinical Epidemiology Research Elective	12
2001 – 2007	Co-Director of the Division of Clinical Epidemiology Research Elective course.	
2000	Division of Clinical Epidemiology Research Elective	6
2001	Didactic Curriculum on Clinical Research for Fellows and Junior Faculty	1
2001	Division of Clinical Epidemiology Research Elective	8
2001	Clinical Scholars Research Program, School of Medicine, CWRU	2.5

Mentor (K23, K01 and other Training awards)

- 1) Anna Mandalakas, M.D., M.S. – Cost-Effective Screening in International Adoptees (NIH K23 award)
During the period of Dr. Mandalakas’ award (07/01/01 - 06/30/06) I have advised and carried out statistical analyses for manuscripts and Pediatric resident projects. I have also assisted in the development of data collection forms and database design.
- 2) Amy Heneghan, M.D. – Recognition of Maternal Depressive Symptoms by Primary Care Physicians (Robert Wood Johnson Foundation)
During the period of Dr. Heneghan’s award (07/01/01 - 06/30/05) I have advised and carried out statistical analyses for manuscripts and presentations, advised on questionnaire development, and study design. I was also involved in the preparation of the grant.
- 3) Lisabeth Scalzi, M.D. – Prevalence and Predictors of Coronary Calcium in SLE (NIH K23 award, scored a 157)
I assisted Dr. Scalzi in the development of her grant by providing the statistical guidance on study design, analysis, and sample size determination, and preliminary data analysis. I provide Dr. Scalzi with ongoing statistical guidance during the duration of her award.
- 4) Reena Mehra, M.D. – Oxidative Stress in Sleep Apnea and Cardiac Disease (NIH K23 award)
I assisted Dr. Mehra in the development of her grant by providing the statistical guidance on study design, analysis, and sample size determination.
- 5) Sonia Minnes, Ph.D. – Physiologic and Behavioral Regulation in Prenatally Cocaine Exposed 12- year old children (NIH/NIDA K01 submitted)
I assisted Dr. Minnes in the development of her grant by providing the statistical guidance on hypotheses, analysis and sample size determination.
- 6) James Spilsbury, Ph.D. (Case K12 award)

I assisted Dr. Spilsbury in the development of his grant by providing the statistical guidance on analysis and sample size determination.

7) Anna Maria Hibbs, M.D., M.S. (NIH K23 award) - Gastrointestinal Risk Factors for Wheezing in Premature Infants
I am currently assisting Dr. Hibbs on hypothesis construction, study design and statistical analysis plan for her K23 grant submission. Score: 146. 1st submission funded.

8) Esa Davis, M.D., M.P.H. (NIH K07 award)
I am currently assisting Dr. Davis on hypothesis construction, study design and statistical analysis plan for her K07 grant resubmission. I will provide mentorship on biostatistical methods during the course of the study.

9) Laura Sices, M.D., M.S. (NIH K23 award)
I am currently assisting Dr. Sices with the statistical analysis for her K23 grant. I will provide mentorship on biostatistical methods during the course of the study.

10) Statistical Consultant for MSASS Doctoral Students (2004-2006)
I provided statistical guidance to the students in the MSASS doctoral program. I meet with the students to discuss their dissertation project and help with setting up the statistical analysis plan.

11) Robert Perkins, MD (ASN Career Development award)
I assisted Dr. Perkins in the development of his career development grant by providing the statistical guidance on analysis and sample size determination for the application.

12) Andrea Cruz, MD, MPH, Department of Pediatrics, Baylor College of Medicine (junior faculty CFAR grant)
I assisted Dr. Cruz in the development of her grant by providing the statistical guidance on analysis and sample size determination for the application.

13) Jordana Cohen, MD, MSCE, Perelman School of Medicine, University of Pennsylvania (NIH K23 award, 2016 -).
I serve on Dr. Cohen's Scientific Advisory Committee.

14) Andrew DiNardo, MD, Assistant Professor, Infectious Disease, Baylor College of Medicine
(NIH K23 award, 2019 -) (funded, grant received a perfect score)
Statistical mentor on K23 grant.

15) Melissa Poulsen, PhD, Assistant Professor, Department of Epidemiology & Health Services Research, Geisinger
K01 mentoring committee member, "Understanding the geographic disparities in opioid use disorder and heterogeneity in response to opioid agonist therapy: Assessing the role of community determinants and other multilevel influences"
(Scored 2%)

16) Alexander Kay, MD, Assistant Professor, Infectious Disease, Baylor College of Medicine
K01 International Research Scientist Development Award (IRSDA), Mentoring Committee member. (score: 30, funded)

17) Gemme Campbell-Salome, PhD, Assistant Professor, Genomic Medicine Institute, Geisinger, K01 Scientific Mentor

Research Mentoring Committee at Geisinger

1) Xiaowei (Sherry) Yan, PhD – Center for Health Research (Chair, 2012-2014)

2) Jill Connors-Nault, PhD – Post-Doctoral Academy Health Fellow, Department of Epidemiology & Health Services Research (2016)

3) Michelle Lent, PhD – Assistant Professor, Obesity Institute, Geisinger (2015-2017)

- 4) Annmarie Hirsh, PhD – Department of Population Health Sciences, Geisinger Health System (2016-2019)
- 5) A. Dhanya MacKeen, MD – Maternal Fetal Medicine, Geisinger Health System (Chair, 2017 - present)
- 6) Yirui (Iris) Hu, PhD – Department of Population Health Sciences (Chair, 2016-)
- 7) Tullika Garg, MD – Urology, Geisinger Health System (Chair, 2016 -)
- 8) Jing Hao, PhD – Department of Population Health Sciences, Geisinger Health System (2015 -)
- 9) Kevin Ho, MD – Department of Nephrology, (Chair, 2017 - 2019)
- 10) Na Tosha Gaston, MD, PhD – Department of Neurology (2017 -)
- 11) Sean O’Dell, PhD – Department of Psychology (Co-Chair, 2017 -)
- 12) Anne Justice, PhD – Department of Population Health Sciences (2017 -)
- 13) Dokyoon Kim, PhD – Department of Biomedical & Translational Informatics (Chair, 2017 - 2019)
- 14) Brent Williams, PhD – Department of Population Health Sciences (Chair, 2017 - 2022)
- 15) Erin Van Enkevort, PhD – Department of Population Health Sciences (Chair, 2019 -)
- 16) Chris Haggerty, PhD – Department of Imaging Science and Innovation (2018 - 2021)
- 17) Cora Taylor, PhD – ADMI (2017 -)
- 18) Thomas Morland, MD – Medicine Institute, Integrative Medicine (2020 -)
- 19) Yasser Elmanzalawi, PhD – TDSI (Chair, 2021 -)
- 20) Matt Oetjens, PhD – ADMI (member, 2021 -)
- 21) Matt Brown, PhD – ADMI (member, 2021-)
- 22) Anna DiCriscio, PhD – ADMI (member, 2019 -)

Thesis Committees/Mentorship

Student	Program	Responsibility	Graduated
Krishnapriva Anchala, MD	Clinical Research Scholars Program, CASE	MS thesis co-advisor	2004
Sigal Peter-Wohl, MD	Clinical Research Scholars Program, CASE	MS thesis co-advisor	2004
Reena Mehra, MD	Clinical Research Scholars Program, CASE	MS thesis co-advisor	2004
Loreto Sulit, MD	Clinical Research Scholars Program, CASE	MS thesis co-advisor	2004
Sinziana Seicean, MD	Capstone MPH program, CASE	MPH thesis committee member	2005
Chad Jacobsen, MD	Clinical Research Scholars Program, CASE	MS thesis co-advisor	2005
Melisa Moore, MA	Departments of Psychology and Pediatrics, CASE	Dissertation committee member	2006
Tyler Stevens, MD	Clinical Research Scholars Program, CASE	MS thesis committee member	2007
Amer Alsheklee, MD	Clinical Research Scholars Program, CASE	MS thesis co-advisor	2007
Curry Koenig, MD	Clinical Research Scholars Program, CASE	MS thesis committee member	2007
Eric Blum, MD	Clinical Research Scholars Program, CASE	MS thesis committee member	2007
Lizabeth Scalzi, MD	Clinical Research Scholars Program, CASE	MS thesis co-advisor	2008
Tori Sacha, MA	Department of Psychology, CASE	Dissertation committee member	2009

Svetlana Pundik, MD	Clinical Research Scholars Program, CASE	MS thesis committee member	2008
Robyn Strosaker, MD	Clinical Research Scholars Program, CASE	MS thesis co-advisor	Left program
Eamonn Molloy, MD	Clinical Research Scholars Program, CASE	MS thesis committee member	2008
Lei Zhang, PhD*	Department of Biological Sciences, Post-Doctoral Fellow	Co-Mentor on Phillip-Morris Post-doctoral Fellowship	2007
Amy Lewandowski, MA	Department of Psychology and Pediatrics, CASE	Research mentor	2007
Nelda van Soelen, MD	MPH, University of Cape Town	Research mentor	2011
Karen du Preez, MD	MPH, University of Cape Town	Research mentor	2010

Research Support

Active:

R01 HG009671-01 (Buchanan) 9/1/2018 – 8/31/2023 0.60 calendar
 Kirchner – Co-Investigator
 NIH/NHGRI \$503,820
 Reporting Adult-Onset Genomic Results to Pediatric Biobank Participants and Parents

Our program’s long-term goal is to determine how best to use genomic information to guide care over the course of a child’s development in ways that maximize the physical and psychosocial health of children and their families.

01HL141901 (Haggerty) 12/1/2018 – 11/30/2023 0.60 calendar
 Kirchner – Co-Investigator
 NIH/NHLBI \$399,573
 A Precision Medicine Approach to Arrhythmogenic Cardiomyopathy

The goals of this project are to define the prevalence, penetrance, and predictors of penetrance of genetic variants in desmosome genes associated with arrhythmogenic cardiomyopathy. We also seek to explore the use of advanced cardiac magnetic resonance imaging to identify early markers of disease in individuals with a genetic predisposition but no clinical symptoms.

1 R01 HL148246 (Sturm) 07/01/2019– 06/30/2024 0.60 calendar
 Kirchner – Co-Investigator
 NIH/NHLBI \$514,080
 Identification Methods, Patient Activation, and Cascade Testing for FH: IMPACT-FH

The goal of this project is to test and optimize methods to identify patients with FH, strategies to improve family communication and FH cascade testing uptake, and evaluate the implementation outcomes of feasibility, acceptability, and cost at the system, clinician, and patient levels to create an exportable model for FH identification and cascade testing that can be implemented across broad healthcare settings.

R01MH118233 (Smoller) 9/1/2018 – 8/31/2022 1.20 calendar
 Kirchner – Subaward Co-Investigator
 NIH/NIMH \$135,030
 PsycheMERGE: Leveraging Electronic Health Records and Genomics for Mental Health Research

The goals are to phenotypically and genomically validate and harmonize case and control phenotypes across multiple disorders, and then demonstrate the unique value of PsycheMERGE, by (2) building clinically-useful risk surveillance models for mood disorders that also leverage eMERGE network genomewide data, and (3) examining whether EHR- and genomic-based risk profiles are associated with clinically-relevant health outcomes and differences in outcomes.

CDRN-1306-04912 (McTigue) 9/13/2015 – 9/12/2021 (NCE) 0.96 calendar
 Kirchner – Subaward PI
 PCORI \$171,574
 A PaTH Toward a Learning Health System

The goal of this project is to address the most crucial unanswered questions regarding a balance between harm and benefit using ESA therapy to treat CIA among cancer patients undergoing chemotherapy.

16040 (Bailey-Davis) 3/01/2020 – 6/30/2023 1.20 calendar
 Kirchner – Co-Investigator
 PCORI \$1,048,558
 Patient-Clinic-Community Integration to Prevent Obesity Among Rural Preschool Children
 In a cluster randomized study, we will compare the effectiveness of three different well-child visit interventions on the prevention of preschool age obesity after 12 months. The study will further assess for physician, clinic, and family level factors on the effectiveness of the interventions.

No Assignment # (Ledbetter; Carey) 12/16/2013 – 12/31/2023 1.20 calendar
 Kirchner – Co-Investigator
 Regeneron, Inc. \$3,271,350
 Regeneron and Geisinger Collaboration

The major goal of this project is to create a research platform for gene-phenotype discovery and drug development linking Regeneron's genomic information obtained from Geisinger's human bio-specimen repository with Geisinger's EMR.

R01DK122073 (Rubin) 08/21/2020 – 6/30/2025 0.60 calendar
 Kirchner – Subaward PI
 NIH \$30,665
 Developing and Validating EHR-Integrated Readmission Risk Prediction Models for Hospitalized Patients with Diabetes

As part of the grant, Geisinger will participate in the completion of a PaTH New Studies Review and review the study's protocol by the PNPRC (PaTH's patient-centered IRB pre-review process). Once those steps are completed, data will be extracted from our local PCORnet CDM on patients with diabetes and hospitalized. Data will be shared with Temple for analysis to further develop a readmission risk score by the primary PI, Dan Rubin, MD. There will be four data pulls for the duration of the grant, implementation of a new computable phenotype and we will link our data with the Pennsylvania Health Care Cost Containment Council (PHC4). The PHC4 is an external data source of inpatient discharges, outpatient, and other healthcare data from Pennsylvania hospitals.

U18DP006509-01 (Hirsch) 09/30/2020 – 09/29/25 0.6 calendar
 CDC \$249,631
 Electronic Health Record-based Surveillance of Diabetes by Type in Young Adults in Pennsylvania
 The proposed research will coordinate, develop, implement, and validate electronic-record based surveillance of

diabetes in young adults, by subtype, to inform type-specific public health response, assess disease burden, and identify priorities for type-specific health services.

Past (selected):

SAP #4100070267 (Kirchner) 6/1/2015 – 5/31/2019 2.40 calendar
Pennsylvania Department of Health \$1,001,164
Integrating Big Data for Biomedical Discovery: Methods, Tools, and Applications

Implications of Accurate *M.tb* detection in HIV Co-Infected Children
Principal Investigator – Anna Mandalakas, MD, MS (Baylor College of Medicine)
Agency: NIH/NHLBI
Role: Co-Investigator/Senior Biostatistician

Using the World Trade Center Disaster Outcome Study to Develop Risk Assessment Tools for PTSD
Principal Investigator – Joseph Boscarino, PhD
Agency: NIH/NIMH
Role: Co-Investigator/Biostatistician

Diagnosis of Tuberculosis Infection in HIV Co-Infected Children
Principal Investigator – Anna Mandalakas, M.D., M.S.
Agency: Thrasher Research Fund
Role: Co-Investigator

Epidemiology of Sleep-Disordered Breathing in Children
Principal Investigator – Susan Redline, M.D., M.P.H.
Agency: NIH/NHLBI
Period: 07/01/01 – 06/30/02

Cocaine Exposed Infants and Their Mothers
Principal Investigator – Lynn Singer, Ph.D.
Agency: NIH/NIDA
Period: 07/01/02 – 12/31/02 (duration of my funding)

Cost-effective Screening in International Adoptees
Principal Investigator – Anna Mandalakas, M.D.
Agency: NIH
Period: 07/01/01 – 6/30/2006

Recognition of Maternal Depressive Symptoms by Primary Care Physicians
Principal Investigator – Amy Heneghan, M.D.
Agency: Robert Wood Johnson Foundation
Period: 07/01/01 – 06/30/2005

Cardiovascular Consequences of Sleep Apnea – Sleep Reading Center
Principal Investigator – Susan Redline, M.D., M.P.H.
Agency: NIH/NHLBI
Period: 01/01/01 – 8/31/04

Effects of Sleep Apnea Treatment on Metabolic Review Syndrome
Principal Investigator – Susan Redline, M.D., M.P.H.
Agency: NIH/NHLBI Grant # R01 HL075077

Role: Co-Investigator
Period: 09/30/03 – 07/31/07

Developmental Outcomes of Prenatal Exposure to MDMA (“Ecstasy”)
Principal Investigator – Lynn Singer, Ph.D.
Agency: NIH/NIDA Grant # R01 DA14910
Role: Co-Investigator
Period: 09/30/01 – 07/31/07

Psychological Sequela of BPD and VLBW; Phase III
Principal Investigator – Lynn Singer, Ph.D.
Agency: MCH
Role: Co-Investigator
Period: 01/01/03 – 12/31/06, no cost extension

Cocaine Exposed Children at School Age
Principal Investigator – Lynn Singer, Ph.D.
Agency: NIH/NIDA Grant # R01 DA007957
Role: Co-Investigator
Period: 09/15/03 – 06/30/08

Case Center for Transdisciplinary Research on Energetics and Cancer
Principal Investigator – Nathan Berger, M.D.
Agency: NIH/NCI 1U54CA116867
Role: Co-Investigator
Period: 9/14/2005 – 8/31/2010

Publications

A. Papers Published or In Press (most recent listed first):

- 250) Boscarino JA, Adams RE, Wingate TJ, Boscarino JJ, Urosevich TG, Hoffman SN, Kirchner HL, Figley CR, Nash WP. Impact and Risk of Moral Injury among Deployed Veterans: Implications for Veterans and Mental Health. *Frontiers in Psychiatry* (in press)
- 249) Carruth ED, Kelly MA, Calkins H, Murray B, Tichnell C, Sturm AC, Regeneron Genetics Center, Baras A, Kirchner HL, Fornwalt BK, James CA, Haggerty CM. Loss-of-Function FLNC Variants are Associated with Arrhythmogenic Cardiomyopathy Phenotypes when Identified through Population Whole Exome Sequencing. *Circulation: Genomic and Precision Medicine* (in press)
- 248) Jones LK, Williams MS, Ladd IG, Cawley D, Ge S, Hao J, Hassen D, Hu Y, Kirchner HL, Kobylinski M, Lesko MG, Nelson MC, Rahm AK, Rolston DD, Romagnoli KM, Schubert TJ, Shuey TC, Sturm AC, Gidding SS. Collaborative Approach to Reach Everyone with Familial Hypercholesterolemia: CARE-FH Protocol. *J Personalized Medicine* (in press)
- 247) DiNardo AR, Gandhi T, Heyckendorf J, Grimm SL, Rajapakshe K, Nishiguchi T, Reimann M, Kirchner HL, Kahari J, Dlamini Q, Lange C, Goldmann T, Marwitz S, DZIF-TB cohort study group, Cirillo JD, Kaufmann SHE, Netea MG, van Crevel R, Mandalakas AM, Coarfa C. Gene Expression Signatures Identify Biologically and Clinically Distinct Tuberculosis Endotypes. *ERJ* 2022 (in press)

- 246) Jasumback CL, Dlamini Q, Kahari J, Maphalala G, Dlamini MG, Dube GS, DiNardo A, [Kirchner HL](#), Mandalakas A, Kay AW. Laboratory Comparison of Stool Processing Methods for Xpert® Ultra. *Public Health Action*. 2021 11(2);55-57. **PMCID: PMC8202631**
- 245) Finucane B, Oetjens MT, Johns A, Myers SM, Fisher C, Habegger L, Maxwell EK, Reid JG, Ledbetter DH, [Kirchner HL](#)*, Martin CL* (*joint senior authors). Medical Manifestations and Healthcare Utilization among Adult MyCode Participants with Neurodevelopmental Psychiatric Copy Number Variants. *Genet Med*, 2022; 24(3):703-711. **PMCID: PMC8901449**
- 244) Raghunath S, Pfeifer JM, Ulloa Cerna AE, Nemani A, Carbonati T, Jing L, vanMaanen D, McCarty BE, Hartzel DN, Ruhl JA, Stoudt NJ, Johnson KW, Zimmerman N, Leader JB, [Kirchner HL](#), Griessenauer C, Hafez A, Good CW, Fornwalt BK, Haggerty CM. Deep Neural Networks Can Predict New-Onset Atrial Fibrillation from the 12-lead ECG and Help Identify those at Risk of Atrial Fibrillation-Related Stroke. *Circulation*, 2021; 143(13):1287-1298. **PMCID: PMC7996054**
- 243) Adhikari N, Mweige J, [Kirchner HL](#). Improving Value (Low Cost, Optimal Clinical Outcome, Patient Satisfaction) in a Skilled Nursing Facility: A Quality Improvement (QI) Project. *Advances in Clinical Medicine Research and Healthcare Delivery*, 2021; 1(3):article 9.
- 242) Adams RE, Boscarino JA, Hoffman SN, Urosevich TG, [Kirchner HL](#), Boscarino JJ, Dugan RJ, Withey CA, Figley CR. Psychological Well-Being and Alcohol Misuse Among Community-Based Veterans: Results from the Veteran's Health Study. *Journal of Addictive Diseases*, 2021, Sept 14; 1-10. **PMID: 34521314**
- 241) Carry BJ, Young K, Fielden S, Kelly MA, Sturm SC, Avila JD, Martin CL, Regeneron Genetics Center, [Kirchner HL](#), Fornwalt BK, Haggerty CM. Genomic Screening for Pathogenic Transthyretin Variants Finds Evidence of Underdiagnosed Amyloid Cardiomyopathy from Health Records. *JACC: CardioOncol*, 2021; 3(4):550-561. **PMCID: PMC8543083**
- 240) Singh G, Hu Yirui, Jacobs S, Brown J, George J, Bermudez M, Ho K, Green J, [Kirchner HL](#), Chang AR. Post-Discharge Mortality and Re-Hospitalization among Participants in a Comprehensive Acute Kidney Injury Rehabilitation Program. *Kidney360*, 2021; 2(9):1424-1433.
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*co-lead authors

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B. Papers Submitted for Publication:

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- 3) Sanders AP, Politis MD, Kitancho SG, Manus JN, Kirchner HL. Associations between Poor Sleep Quality and Sleep-Disordered Breathing with Kidney Function in Appalachian Pennsylvania.
- 2) Grams ME, Brunskill NJ, Ballew S, ..., Kirchner HL, ..., Wang AYM, Tangri N. Estimating the Risk of Adverse Kidney Outcomes in the General Population: An Individual Participant-Based Meta-Analysis.
- 1) Baker AM, Van Enkevort EA, Kirchner HL, Cummings S, Schlieder V, Young A, Gass M, O'Dell SM. Mental Health Diagnosing and Prescribing Within Primary Care in a Large Rural Health System

C. Abstracts (most recent listed first):

- 146) Hirsch AG, Crume T, Bian J, Cia B, Conderino S, Divers J, Dixon BE, Guo Y, Islam S, Kirchner HL, Lustigova E, Mefford MT, Obeid J, Reynolds K, Rosenman M, Rudisill C, Schwartz BS, Shao H, Shenkman EA, Thorpe L, Utidjian LH, Liese A, and the DiCAYA Network. Assessing the Burden of Diabetes by Type in Children, Adolescents, and Young Adults (DiCAYA) Using Electronic Health Records. ADA Annual Meeting 2022
- 145) Hu Y, Singh G, Liu K, Riviello D, Chang A, Brown J, Saunders S, Ho K, Kirchner HL. Leveraging Machine Learning Methods in Early Detection of Hospital Acquired Acute Kidney Injury based on Electronic Health Records. HSCRN annual meeting 2021
- 144) Haggerty CM, Kirchner HL, Regeneron Genetics Center, Fornwalt BK. Hypertension Modifies Penetrance of Titin-Truncating Variants. ACC annual meeting 2020
- 143) Josyula NS, Keenan BT, Veatch OJ, Mazzotti DR, Kirchner HL, Borthwick K, Williams MS, Chittoor G, RGC, DiscovEHR, Malow BA, Harley JB, Brilliant MH, Boero J, Pacheco J, Mentch F, Hakonarson H,

- Rasmussen-Torvik L, Morgenthaler TI, Gendy M, Zee PC, Robishaw J, Pack AI, Justice AE. Genetic Architecture of Obstructive Sleep Apnea Reveals Connection with Rare Mendelian Disorder. 2020 ASHG Annual Meeting, Virtual. October 2020.
- 142) Hu Y, Kiu K, Lent M, Benotti P, Petrick A, Wood GC, Still C, Kirchner HL. Towards Sequential Data Clustering via Long Short-Term Memory Auto-encoder. 2020 Symposium on Data Science & Statistics.
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- 140) Van Deventer H, Mandalakas AM, Grewal HM, Draper H, Kirchner HL, Schaaf HS, Gie R, Hesseling AC. TB Infection is Inversely Associated with Symptoms of Atopy in South African Children With and Without HIV Infection. Union World Conference on Lung Health annual conference
- 139) Basile AO, Kirchner HL, Leader JB, Manney CB, Verma A, Ritchie MD. Using Data-Driven Approaches to Address Clinical Heterogeneity in Complex Traits using COPD. IGES 2016
- 138) Leader JB, Basile AO, Kirchner HL, Manney CB, Verma A, Ritchie MD. Using Data-Driven Approaches to Address Clinical Heterogeneity in Complex Traits. ASHG 2016
- 137) Kirchner HL, Byrska-Bishop M, Leader JB, Verma A, Ritchie MD. Association Rule Learning on Electronic Health Records to Identify Groups of Frequently Co-occurring Disease among Geisinger Health System Patients. ASHG 2016.
- 136) Verma A, Verma SS, Lucas A, Hartzel DN, Lavage DR, Leader JB, Kirchner HL, Ritchie MD, Pendergrass SA. A Genome and Phenome Wide Landscape of Diagnosis in Geisinger Health System for 38,662 Individuals. ASHG 2016.
- 135) Ritchie MD, Leader JB, Person TN, Dewey FE, Murray MF, Overton JD, Kirchner HL, Lopez AE, Penn J, Borecki IG, Yancopoulos GD, David FD, Faucett WA, Gottesman O, Reid JG, Baras A, Carey DJ, Shuldiner AR, Ledbetter DH, Geisinger-Regeneron DiscovEHR. Collaboration. The Public Sharing of Genomic Data from the DiscovEHR Collaboration. ASGH 2016.
- 134) Kirchner HL, Larson S, Perkins R. Medication Therapy Modifies the Association Between Longitudinal eGFR and Cardiovascular Events Among Adults with CKD. ICPE 2016.
- 133) Jing L, Friday CM, Suever JD, Umasankar N, Haggerty CM, Wehner GJ, Manlet SM, Powell DK, Radulescu, Kirchner HL, Epstein, Fornwalt BK. Obese Children with Concentric Hypertrophy and Impaired Cardiac Strain: A Potentially High-Risk Subgroup identified with Cardiac Magnetic Resonance. AHA meeting.
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- 131) Chang AR, Grams M, Young A, Kramer HJ, Kirchner HL. The Metabolically Healthy Obese Phenotype and Risk of Incident Kidney Failure. ASN 2015 Annual Meeting
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- 129) Leader JB, Pendergrass SA, Verma A, Carey DJ, Hartzel DN, Ledbetter DH, Ritchie MD, Kirchner HL. Contrasting Association Results between Existing PheWAS Phenotype Definition Methods and Five Validated Electronic Phenotypes. ASHG 2015 Annual Meeting
- 128) Sangani R, Butler M, Kirchner HL, Berger A, Stamm J. Pulmonary Hypertension in Multiple Myeloma: Risk Factors and Impact on Outcomes. ACCP Annual Meeting
- 127) Bastidas A, Tsai C, Kirchner HL, Berger A, Garvin R, Bhanushali A, Stamm J. Inferior Vena Cava Filters in Acute PE, 2006-2012: Prevalence and Impact on Outcomes in an Integrated Health Care System. Society of Critical Care Medicine meeting 2014.
- 126) Kirchner HL, Perkins RM, Bucaloiu ID, Tang X. Longitudinal eGFR, eGFR Slope, and Incident Cardiovascular Events among Adults with CKD. ASN 2013 Annual Meeting.
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- 124) Schmittziel JA, Steiner JF, Dyer W, O'Connor PJ, Segal J, Kirchner HL, Schroeder E, Goodrich G, Butler M, Raebel M. Predictors of Medication Burden for Incident Diabetes Patients: A Surveillance PREvention, and ManagEment of Diabetes Mellitus (SUPREME-DM) Study. EDM Forum.
- 123) Schmittziel JA, Steiner JF, Dyer W, O'Connor PJ, Segal J, Kirchner HL, Schroeder E, Goodrich G, Butler M, Raebel M. Predictors of Medication Burden for Incident Diabetes Patients: A Surveillance PREvention, and ManagEment of Diabetes Mellitus (SUPREME-DM) Study. European Diabetes Society.
- 122) Henry Y, Kirchner HL, Wagner E, Sayed II, Yahya S, Benoit C, Blankenship JC, Carter R, Casale A, Green S, Lynch P, Scott TD, Skelding KA, Woods E, Berger PB. Platelet Function as a Predictor of Bleeding in Patients Undergoing Off Pump Coronary Artery Bypass Surge. American College of Cardiology Annual Meeting, 2013.
- 121) Henry Y, Kirchner HL, Wagner E, Sayed II, Yahya S, Benoit C, Blankenship JC, Carter R, Casale A, Green S, Lynch P, Scott TD, Skelding KA, Woods E, Berger PB. Correlation Between 4 Point of Care Platelet Function Assays, and with Light Transmission Aggregometry and Vasodilator-Stimulated Phosphoprotein, in Patients Scheduled for a First Off Pump Coronary Artery Bypass Surgery. American College of Cardiology Annual Meeting, 2013.
- 120) Henry Y, Kirchner HL, Wagner E, Sayed II, Yahya S, Benoit C, Blankenship JC, Carter R, Casale A, Green S, Lynch P, Scott TD, Skelding KA, Woods E, Berger PB. Correlation of Two Definitions of Peri-Operative Bleeding in Patients Undergoing Off Pump Coronary Artery Bypass Grafting. American College of Cardiology Annual Meeting, 2013.
- 119) Yan X, Kirchner HL. The Performance of Propensity Score Methods for Estimating Hazard Ratio in Time-to-Event Data. HMO Research Network Annual Meeting, 2013.
- 118) Johnson B, Khalil M, Lin F, Zhu S, Kirchner HL. KOC (K Homology Domain Containing Protein Overexpressed in Cancer) Overexpression and Progression Free Survival after Curative Intent Resection of Pancreatic Ductal Adenocarcinoma.
- 117) Coiled Urinary Drainage Tubing Does Not Increase the Risk of UTI. Kubilay Z, Archibald L, Kirchner HL, Layon AJ. Society of Critical Care Medicine, 2013.

- 116) Long J, Keshava K, Kirchner HL, Wood K, Stamm J. Risk Stratification in Acute Pulmonary Embolism, 2006-2011: Prevalence and Impact on Outcomes in a Large Integrated Health-Care System. Society of Critical Care Medicine, 2013.
- 115) Idress I, Kirchner HL, Bili A. Rheumatoid Arthritis is Associated with Likelihood of Being Overweight. American College of Rheumatology annual meeting, 2012.
- 114) Bucaloiu ID, Kirchner HL, Norfolk E, Hartle JE, Perkins RM. Performance of Untimed Urine Protein-to-Creatinine Ratio of Estimation of 24-Hour Proteinuria among Morbidly Obese Patients: A Prospective Cohort Study. ASN 2012 Annual Meeting, San Diego, CA.
- 113) Perkins RM, Rahman A, Bucaloiu ID, Yarczower B, Norfolk E, DiFilipo W, Hartle JE, Kirchner HL. Readmission after Hospitalization for Heart Failure among Patients with CKD: A Prediction Model. ASN 2012 Annual Meeting, San Diego, CA.
- 112) Perkins RM, Kirchner HL, Bucaloiu ID, Norfolk E, Darer J, Hartle JE. CKD, Prevalent Heart Disease, and the Risk of Death among Patients Prescribed Bisphosphonates. ASN 2012 Annual Meeting, San Diego, CA.
- 111) Perkins RM, Kirchner HL, Hartle JE, Bucaloiu ID. EGFR Variability and Risk of ESRD among Patients with Stage 3 CKD. ASN 2012 Annual Meeting, San Diego, CA.
- 110) van Soelen N, Mandalakas AM, Kirchner HL, Walzl G, Grewal HMS, Hesseling AC. Effect of Ascaris Lumbricoides Specific IgE on Tuberculin Skin Test Responses in Children. Union, 2012.
- 109) Johnson MA, Kennedy JW, Kirchner HL, Barrett JM. Specialty Trained Certified Diabetes Educator (CDE) with Endocrinologist Oversight Providing Metabolic Management (MM) with Diabetes Self-Management Training (DSMT) to Increase Rural Health Access in the Adult Patient with Uncontrolled Type 2 Diabetes Mellitus HgA1c and Patient Satisfaction. ADA, 2012
- 108) Bili A, Tang X, Kirchner HL, Antohe J, Dancea S, Morris S, Wasko MCW. Prolonged Hydroxychloroquine Use is Associated with Decreased Incidence of Cardiovascular Disease in Rheumatoid Arthritis Patients. American College of Rheumatology annual meeting, 2011.
- 107) Walker CP, Bili A, Tang X, Kirchner HL, Morris S, Antohe J, Steinhubl S, Wasko MCW. Statin Use is Associated with Decreased Incident Coronary Artery Events in Rheumatoid Arthritis Patients. American College of Rheumatology annual meeting, 2011.
- 106) Shah N, Stewart W, Lichtenfeld M, Kirchner L, Matsey V, Harnett J, Galaznik A, Zou K. Evaluating the Impact of Varenicline Adherence on Quit Rates in the Geisinger Clinic. ACCP 2011.
- 105) Shah N, Stewart W, Lichtenfeld M, Kirchner L, Matsey V, Harnett J, Galaznik A, Zou K. Evaluating the Impact of Varenicline Adherence on Quit Rates in the Geisinger Clinic. AMCP 2011.
- 104) Perkins RM, Bengier A, Bucaloiu ID, Kirchner HL. GFR Variability and Death among Patients with Stage 3 CKD: A Retrospective Cohort Study. ASN 2011 Annual Meeting, Philadelphia, PA.
- 103) Dhanyamraju S, Foltzer M, Tang X, Kirchner HL, Perkins R. Untreated Bacteriuria, Cardiovascular Events, and Death among Female Patients with CKD. ASN 2011 Annual Meeting, Philadelphia, PA.

- 102) Mandalakas AM, Kirchner HL, Lombard C, Hesseling A. Well Quantified TB Contact is a Reliable Surrogate Measure of *M.tb* Infection. Workshop on TB and HIV Diagnostics In Adult and Pediatric Populations, National Labor College, Silver Spring, MD
- 101) Kirchner HL, Yan X, Reardon J, Bucaloiu ID, Perkins R. Use of Propensity Scores in Nephrology Research: A Review of the Literature. 2011 National Kidney Foundation Meeting.
- 100) Hartle J, Bucaloiu ID, Kirchner HL, Sartorius J, Pogrebnaya Z, Akers G, Carnero G, Perkins R. Cardiovascular Events and Death after Bisphosphonate Therapy among Female Patient with NDD-CKD. 2011 National Kidney Foundation Meeting
- 99) Bucaloiu ID, Kirchner HL, Still C, Norfolk N, Perkins RM. Accuracy of a Single Untimed Morning Urine Sample for Estimation of Proteinuria in Morbidly Obese Patients. 2011 National Kidney Foundation Meeting.
- 98) Bennet S, Kirchner L, Sartorius J, Challman T, Chua C. Effects of Prophylactic Caffeine Therapy for Apnea in Preterm Infants. 2011 Society for Pediatric Research.
- 97) Wells EM, Berges M, Vesper S, Yike I, Kirchner HL, Greenberg S, Dearborn DG. Long Term Follow-Up of Home Environmental Remediation for Mold and Moisture. 2011 National Healthy Homes Conference, June.
- 96) Boscarino JA, Kirchner HL, Sartorius JA, Blosky MA, Hoffman S. Application of the New York Model for PTSD Risk Assessment.
- 95) Bucaloiu ID, Kirchner HL, Norfolk E, Hartle JE, Perkins RM. CKD, ESRD and Death after Reversible Acute Kidney Injury in Patients with Normal Baseline Renal Function. American Society of Nephrology, Renal Week, 2010.
- 94) Kirchner HL, Cong Z, Perkins RM, Hartle JE, Bucaloiu ID, Petersen J. Anemia Treatment among Patients with Chronic Kidney Disease not on Dialysis (CKD-NOD) and Moderate Severe Anemia. American Society of Nephrology, Renal Week 2010.
- 93) Perkins RM, Bucaloiu ID, Kirchner HL, Ashouian N, Hartle JE, Yahya TM. EGFR Change and Mortality Risk among Patients with Non-Dialysis Dependent CKD. American Society of Nephrology, Renal Week 2010.
- 92) Stark A, Stapp R, Raghunathan A, Kirchner HL, Griggs JJ, Newman LA, Chitale D. Recurrence of a second breast cancer after ductal carcinoma in situ: Findings from a retrospective cohort. ASCO – 2010 Breast Cancer Symposium, October, 2010.
- 91) Henry YM, Kirchner HL, Pitcavage J, Menapace R, Berger PB. Characterization of Health Care of Patients with Impaired Fasting Glucose Compared to Those with Normal Fasting Glucose. American Heart Association.
- 90) Jones JB, Leader J, Pitcavage J, Graham J, Kirchner HL. Overestimation bias in the MPR calculation: quantifying “denominator loss” when calculating the medication possession ratio for antihypertensive medications. Academy Managed Care Pharmacy 2010 Educational Conference.
- 89) Gross JL, Constantinou C, Pohl C, Baxter J, Olson M, Woll N, Bailey K, Sartorius J, Kirchner HL. Splenic Embolization for Pediatric Patients with Blunt Splenic Trauma. American College of Surgeon

- 88) Allen-Ramey FC, Nelsen LM, Kirchner HL, Leader J, Mercer DG, Wasfi YS, Jones JB. EHR-Based Assessment of Oral Corticosteroid Use in a Population of Primary Care Patients with Asthma. American Thoracic Society, 2010
- 87) Moris S, Sartorius J, Kirchner HL, Newman E, Wasko MC, Bili A. Hydroxychloroquine Use: Significant Improvement of Lipid Profile in Rheumatoid Arthritis Patients. American College of Rheumatology annual meeting, 2009.
- 86) Newman E, Anderer T, Bloom F, Kirchner HL. DXA Testing in Women > 65 - Closing the Osteoporosis Quality Care Gap at the Point of Service using an Electronic Health Record Best Practice Alert. American College of Rheumatology annual meeting, 2009.
- 85) Puri, PK, Ferringer TC, Tyler WB, Kirchner HL, Elston DM. Spitzoid Tumors: Is an Immunohistochemical Panel Helpful? The American Society of Dermatopathology, 46th Annual Meeting
- 84) Kennedy JW, Doll M, Johnson M, Sartorius J, Kirchner HL. Early Improvement in Hemoglobin A1c (HgbA1c) in Adult Patients with Uncontrolled Diabetes Mellitus Managed by an Endocrinology Team at a Primary Care Practice in Rural Central Pennsylvania. The Endocrine Society, 91st Annual Meeting.
- 83) Padigala KK, Schultz MF, Hartle JE, Kirchner HL. Renal Cortical Thickness as a Predictor of Renal Function and Blood Pressure Status Post Renal Artery Stenting. ASN Renal Week 2008.
- 82) Patel SR, Zhu X, Storfer-Isser A, Mehra RM, Kirchner HL, Jenny NS, Tracy R, Redline S. Sleep Duration and Biomarkers of Inflammation. American Thoracic Society, Toronto, May 2008.
- 81) Bili A, Newman ED, Cook JA, Kirchner HL, Ledwich LJ, Wasko MCM. Patients with Rheumatoid Arthritis Receive Better Preventive Health Services Compared to a Primary Care Patient Population. American College of Rheumatology Scientific Meeting, Oct, 2008.
- 80) Molloy ES, Kirchner HL, Murray PK, Thomas C, Hoffman GS, Langford CA. In-Hospital Mortality and Cardiovascular Outcomes in Giant Cell Arteritis. American College of Rheumatology Scientific Meeting, Oct, 2008.
- 79) Bili A, Newman E, Kirchner HL, Cook J, Ledwich L, Stark A, Langer R, Wasko MCM. Hydroxychloroquine use Reduces Risk of Diabetes in Rheumatoid Arthritis Patients. American College of Rheumatology Scientific Meeting, Oct, 2008.
- 78) Newman E, Anderer T, Bloom F, Kirchner HL. Closing the Osteoporosis Quality Care Gap using an Electronic Health Record Health Maintenance Reminder: Significant Improvement in DXA Testing in Women over 65. American College of Rheumatology Scientific Meeting, Oct, 2008.
- 77) Kirchner HL, Shah NR, Wood GC, Stewart WF. The Association between Body Mass Index and High Sensitivity C Reactive Protein by Gender. HMO Research Network Annual Meeting, April 2008, Minneapolis, MN. Poster.
- 76) Assal C, Martin B, Serrano R, Kirchner HL, Shirani J. Relationship of Aortic Valve Sclerosis to Coronary Artery Calcium in Younger and Older Patients. 2008 Society of Geriatric Cardiology meeting. *Won 2nd prize.*
- 75) Foldvary-Schaefer N, Stephenson L, Ginal S, Kirchner HL. Predictors of Sleep Apnea in Epilepsy: Does Seizure Control Matter? APSS 2008 Annual Meeting.

- *74) Deivert DE, Johal AS, Kirchner HL, Iverso NA. Adenoma Detection Ratios on Screening Colonoscopy in Average Risk Patients at a Large, Rural tertiary Care Referral Center. Digestive Disease Week 2008.
- 73) Sices L, Keilman A, Kirchner HL, Roberts D, Stancin T. Effect of the PEDS Screener and Brief Parent Education Video on Parent-Physician Communication about Child Development in Primary Care: A Pilot Study. Pediatric Academic Societies' Meeting, 2008.
- 72) Sices L, Roberts D, Kirchner HL, Stancin T. Agreement between Two Parent-Completed Developmental Screeners in Primary Care: A Pilot Study. Pediatric Academic Societies' Meeting, 2008
- 71) Shirani J, Kalejta T, Kirchner HL, Sartorius J, Boker J. Core Competencies Separable or Collective Attributes. 2008 ACGME Educational Conference.
- 70) Hartman C, Yeager S, Kirchner HL, Gerhard G, Penotti P, Still C. Changes in Sexual Quality of Life After Gastric Bypass. American Society of Metabolic & Bariatric Surgery, 25th Annual Meeting.
- 69) Hoffman SN, Kirchner HL, Lerch V, Rahzaggi H, Stewart WF. Predictors and Consequences of Non-adherence to Antiepileptic Medications: Linking Electronic Medical Records to Closed Pharmacy Claims Data, American Academy of Neurology, 60th Annual Meeting
- *68) Koenig CL, Langford CA, Kirchner HL, O'Connor A, Poggio E, McFadden R, Hoffman GS. Renal graft survival and patient mortality in Wegener's Granulomatosis (WG): A case/control study
- *67) Molloy ES, Kirchner HL, Murray PK, Hoffman GS, Langford CA. Cardiovascular outcomes in giant cell arteritis. American College of Rheumatology annual meeting. Accepted as a poster presentation.
- 66) Moore M, Kirchner HL, Drotar D, Johnson N, Rosen C, Ancoli-Isreal S, Redline S. The Relationship Between Sleep Time, Sleepiness, and Psychological Functioning in Adolescents. Submitted to SLEEP2007 Annual Meeting.
- 65) Batton B, Walsh M, Kirchner HL, Xiaobei Z. Blood Pressure related acute and 18-22m Outcomes of Infants 23-25 wks GA with and without Treatment for Hypotension.
- 64) Davis RD, Remy K, Emancipator J, Zhu X, Kirchner HL, Rosen CL. Persistence of Sleep Disturbances in Pediatric Renal Transplant Recipients. American Transplant Congress 2007 meeting.
- *63) McWilliams-Dunnigan L, Suarez JJ, Kirchner HL, Lynch G, Sundararajan S, Sunshine JJ, Tarr R, Blackham K, Selman WR, Landis DMD, Pundik S. Age Does Not Influence Risk of Hemorrhage Post Thrombolysis for Acute Ischemic Stroke. Annual International Stroke Conference 2007 meeting.
- *62) Koenig CL, Langford CA, Kirchner HL, Hoffman GS. Renal Graft Survival in Wegener's Granulomatosis (WG): Comparison to System Lupus Erythematosus (SLE) from a National Database. Annual American College of Rheumatology 2006 National meeting, November. Poster Presentation.
- *61) Ohly K, Kirchner HL, Lyren A. Hepatitis B Immunization Administration Failure Rate in Hospital Born Neonates. Rainbow Babies & Children's Hospital, 36th Annual Science Day, June, 2006.
- 60) Soltys J, Abidi SMA, Saifullah MK, Kaput C, Bowen MA, Kirchner HL, Valujskikh A, Singer NG. Decreased Proliferative Capacity and Th-1 Cytokine Frequency is Characteristics of CD6 k/o Mice. American Association of Immunologists Annual Meeting, Boston, MA, May 12-16.

- 59) Kirchner HL, Lemke JH, Redline S. Design and Analysis for the Simultaneous Estimation of Intra- and Inter-scoring Agreement of Sleep Staging. Poster, SLEEP 29: A345-A345 1009 Suppl. S 2006.
- 58) Kirchner HL, Monahan K, Xue W, Redline S. The Contribution of Pharyngometry with Sleep Disordered Breathing and the Development of a Clinical Assessment Tool. Presentation, SLEEP 29: A 345-A345 1010 Suppl. S 2006.
- *57) Moore M, Kirchner HL, Drotar D, Johnson N, Storfer-Isser A, Rosen C, Redline S. Why are Teens so Sleepy?. Submitted to APSS 2006 Annual Meeting.
- *56) Moore M, Kirchner HL, Drotar D, Johnson N, Storfer-Isser A, Rosen C, Redline S. Demographic Influences on Sleep Time and Night-to-Night Variability in a Metropolitan Community Sample of Preterm and Fullterm Adolescents. Submitted to APSS 2006 Annual Meeting
- *55) Moore M, Kirchner HL, Drotar D, Johnson N, Storfer-Isser A, Rosen C, Redline S. Sleep Time and Sleep Patterns in an Urban Community Sample of Preterm and Fullterm Adolescents. Submitted to APP 2006 Annual meeting.
- 54) Mehra R, Aylor J, Clark K, Frame J, Kirchner HL, Nawabit R, Johnson N, Rogers H, Redline S. Utility of Run-In Period in a Randomized Clinical Trial Using Continuous Positive Airway Pressure as an Intervention. ATS, San Diego, CA, May 2006.
- 53) Patel SR, Larkin EK, Kirchner HL, Monahan K, Redline S. Heritability of Acoustic Pharyngometry Measures. ATS, San Diego, CA May 2006.
- 52) Nelson S, Lombardi G, Albert J, Wishnek S, Kirchner L, Singer L. Enamel Defects and Caries in Very Low Birth Weight Adolescents. American Association for Dental Research 2006 (submitted)
- 51) Shammas NW, Dippel EJ, Lemke JH, Kirchner HL, Takes V. Is Thrombin Suppression Adequate With Low Dose Heparin (LDH) and Eptifibatid versus High Dose Heparin (HDH) in Patients Undergoing Peripheral Percutaneous Interventions (PPI)? New Cardiovascular Horizons.
- 50) Kirchner HL, Minnes S, Ibrahim Y, Short E, Singer LT. Growth Trajectories of Children Prenatally Exposed to Cocaine to Age 6 Years. NBTS 2005 Annual Meeting, St. Pete's Beach, FL, June 25-29, 2005. Platform Presentation.
- 49) Singer LT, Minnes S, Linares T, Short E, Satayathum S, Kirchner HL. Self-Reported Mental Health Symptoms of 9-Year Old Prenatally Cocaine-Exposed Children. NBTS 2005 Annual Meeting, St. Pete's Beach, FL, June 25-29, 2005. Platform Presentation.
- 48) Lemke JH, Kirchner HL, Rasmus SC, Loving V. Simultaneous Estimation of Interscorer and Intrascorer Reliability of Sleep Study Staging. APSS 2005 Annual Meeting, Denver Co, June 18-23, 2005. Poster.
- 47) Mehra R, Storfer-Isser A, Kirchner HL, Johnson NL, Jenny N, Tracy RP, Redline S. Interleukin-6 and Interleukin-6 Soluble Receptor in Sleep-Disordered Breathing. APSS 2005 Annual Meeting, Denver Co, June 18-23, 2005. Poster.
- 46) Rosen CL, Owens JA, Mindell JA, Xue W, Kirchner HL. Use of Pharmacotherapy for Insomnia in Children and Adolescents: A National Survey of Child Psychiatrists. APSS 2005 Annual Meeting, Denver Co, June 18-23, 2005. Poster.

- 45) Kirchner HL, Fulton S, Lader A, Short EJ, Baley J, Kercksmar CM, Singer LT. Growth Trajectories of Very Low Birth Weight (VLBW) Children with and without History of Bronchopulmonary Dysplasia (BPD) to Age 8 Years. Pediatric Academic Societies 2005 Annual Meeting, Washington DC, May 2005. Poster.
- *44) Peter-Wohl S, Groh-Wargo S, Kirchner HL, Moore JJ. Cycling Total Parenteral Nutrition in Premature Infants. Pediatric Academic Societies 2005 Annual Meeting, Washington DC, May 2005. Poster.
- *43) Sulit L, Storfer-Isser A, Kirchner L, Rosebrock H, Redline S. Hypertension and Glucose Intolerance are Associated with Different Sleep Disordered Breathing (SDB) Associated Stresses. ATS, 2005.
- 42) Singer LT, Eisengart SP, Fulton S, Klein N, Min MO, Kirchner HL. Long-term effects of parenting children born VLBW with a history of BPD maternal outcomes at 8 years. Pediatric Research. 2004; 55(2):2695 Part 2 Suppl. S. Pediatric Academic Societies' Meeting, 2004.
- 41) Robin NH, Singer L, Minnes S, Kirchner HL, Alt AA, Ellison L, Salbert BA. Dymorphology and Growth Associated with Prenatal Cocaine Exposure. D.W. Smith Meeting, Salt Lake City, Utah, August 20, 2004.
- 40) Johnson NL, Cartar LN, Storfer-Isser A, Rosen CL, Ancoli-Israel S, Kirchner HL, Emancipator JL, Zambito AMV, Redline S. Sleep Estimation with Wrist Actigraphy: A Comparison of Three Data Modes in Adolescents with and without Sleep Disordered Breathing. APSS 18th Annual Meeting, Philadelphia, PA, June 2004.
- 39) Larkin EK, Cartar LN, Storfer-Isser A, Rosen CL, Kirchner HL, Emancipator JL, Johnson NL, Zambito AMV, Redline S. Elevated C Reactive Protein is Associated with Sleep Disordered Breathing in an Adolescent Population. 2004 AHA meeting
- 38) Rosen CL, Rosenberg CE, Kirchner HL, Bootzin R, Gottlieb DJ, Krieger AC. Alpha Intrusion: Prevalence and Association with Sleep Complaints in the Sleep Heart Health Study.
- *37) Spencer E, Feldman G, Golebiewski N, Kirchner HL, Mandalakas A. Use of the FAS 4-Digit Diagnostic Code in international adoptees. Pediatric Research. 2003; 53(4):465 Part 2 Suppl. S. Pediatric Academic Societies' Meeting, 2003.
- 36) Minnes S, Singer LT, Arendt RE, Farkas K, Kirchner HL, Becker M, Bolek T, Davillier M. Effects of Cocaine/Polydrug Use on Maternal-Infant Interaction Over the First Year of Life. Pediatric Academic Societies' Meeting, May 2002.
- 35) Super DM, Mehta SK, Kirchner HL, Fradley LG, Thomas A. In Utero Exposure to Smoking and Not Cocaine Alters Neonatal Body Composition. Pediatric Academic Societies' Meeting, May 2002.
- *34) Liu DR, Kirchner HL, Petrack EM. Does Utilizing Heat with EMLA Cream Shorten Analgesic Onset Time? American Academy of Pediatrics 2001 National Conference and Exhibition. San Francisco, CA, October 2001.
- 32) Kirchner HL. A Simple Approach to the Estimation of Kappa from Independent and Dependent Data. Society for Clinical Trials Annual Meeting. Denver, CO, May 2001.
- 31) Kamboj KK, King C, Greenspan NS, Kirchner HL, Schreiber JR. Human immunization with a glycoconjugate vaccine yields a mixed Th1 and Th2 cytokine response. Experimental Biology (March/April 2001), Orlando, FL, April 2001.

- 30) Kapur V, Redline S, Kirchner HL, et al. Sleep Stages and Sleep Disordered Breathing: The Relationship of Sleep Architecture and Sleep Disordered Breathing. Associated Professional Sleep Societies Annual Meeting. Las Vegas, NV, June 2000.
- 29) Levy SM, Warren JJ, Kanellis MJ, Kirchner HL. Topical Fluoride Use During The First Four Years of Life. American Association of Public Health Dentistry 2000 Annual Meeting. Oak Brook, IL, May 2000
- 28) Watkins CA, Shugars DC, Gray LR, Kirchner HL, Cowen HJ. Salivary Protein Concentrations and Oral Candida Status Among 79+ Year-Olds Elders. 16th International Conference on Oral Biology. Chantilly, VA, April 2000
- 27) Levy SM, Warren JJ, Kanellis MJ, Kirchner HL. Dental Fluorosis Prevalence in the Primary Dentition. International Association for Dental Research 2000 Annual Meeting, Washington, DC, April 2000
- 26) Bhuridej P, Levy SM, Warren JJ, Kirchner HL. Dentifrice Usage According to Brands and Toothbrush Sizes. International Association for Dental Research 2000 Annual Meeting, Washington, DC, April 2000
- 25) Thompson SD, Watkins CA, Marek CL, Cowen HJ, Kirchner HL, Warren JJ. Salivary Flow, Medication Use, and Xerostomia among a 79+ Year Old Cohort. International Association for Dental Research 2000 Annual Meeting, Washington, DC, April 2000
- 24) Watkins CA, Shugars DC, Kirchner HL, Cowen HJ, Warren JJ. Role of Secretory Leukocyte Protease Inhibitor in Oral Candida Carriage Among a 79+ Year Old Cohort. International Association for Dental Research 2000 Annual Meeting, Washington, DC, April 2000
- 23) Cowen HJ, Watkins CA, Kirchner HL, Warren JJ, Hand JS. Commensal Candida, Clinical Candidosis and Hyphae in the Very Old. International Association for Dental Research 2000 Annual Meeting, Washington, DC, April 2000
- 22) Armstrong SR, Vargas MA, Laffoon J, Kirchner HL, Pashley DH. Hydrolytic Degradation of the Dentin-Resin Composite Bonded Joint. International Association for Dental Research 2000 Annual Meeting, Washington, DC, April 2000
- 21) Logan HL, Lutgendorf S, Kirchner HL, Rainville P. Blood Pressure Recovery Following Intradermal Capsaicin. American Pain Society 1999 Annual Meeting, Fort Lauderdale, FL, October 1999
- 20) Levy SM, Kirchner HL, Davis CS, Warren JJ, Kanellis MJ. Estimated Fluoride Intake per Unit Body Weight from Birth to 36 Months. American Association of Public Health Dentistry 1999 Annual Meeting, Honolulu, HI, October 1999
- 19) Kirchner HL, Lemke JH. Prevalence and Order Restricted Properties for the Estimation of Intra- and Inter-Rater Measures of Agreement. International Biometric Society / Eastern North American Region 1999 Spring Meeting, Atlanta, GA, March 1999
- 18) Kirchner HL, Lemke JH, Levy SM. The Assessment of Bias in Oral Health Longitudinal Studies. J Dent Res. 1999; 78 (Special Issue – IADR Abstracts)
- 17) Warren JJ, Levy SM, Cowen HJ, Hand JS, Kirchner HL, Watkins CA. Periodontal Attachment Loss in the 80+ Elderly. J Dent Res. 1999; 78 (Special Issue – IADR)
- 16) Cowen HJ, Warren JJ, Hand JS, Kirchner HL, Watkins CA, Jones JM. Root Caries Patterns in a Very Elderly Rural Population. J Dent Res. 1999; 78 (Special Issue – IADR)

- 15) Warren JJ, Hand JS, Cowen HJ, Kirchner HL, Watkins CA, Jones JM. Prevalence of Coronal Caries in the Very Old. *J Dent Res.* 1999; 78 (Special Issue – IADR)
- 14) Logan H, Lutgendorf S, Lubaroff D, Vincent S, Jakobsen JR, Rivera E, Kirchner HL. Predictor Variables for Tetanus Booster Response Following Dental Treatment. *J Dent Res.* 1999; 78 (Special Issue – IADR)
- 13) Watkins CA, Logan HL, Kirchner HL. Anticipated and Experienced Pain Associated with Root Canal Treatment. *J Dent Res.* 1999; 78 (Special Issue – IADR)
- 12) Weenig D, Guthmiller J, Hassebroek-Johnson J, Johnson GK, Kirchner HL. Periodontal Disease in Pregnancy Complicated by Diabetes. *J Dent Res.* 1999; 78 (Special Issue – IADR)
- 11) Lutgendorf S, Logan HL, Kirchner HL, Iverson K, Hodne C, Rothrock N, Wade R, Lubaroff D. Effects of Experimentally Induced Stress and Relaxation on the Capsaicin-Induced Local Inflammatory Response. American Psychosomatic Society, 57th Annual Scientific Meeting, Vancouver, Canada, March 1999
- 10) Smith EM, Summersgill KS, Kirchner HL, Lemke JH, Hoffman HH, Ricks J, Haugen TH, Turek LP. Human Papillomavirus (HPV) and Risk of Oral Cancer. 17th International Papillomavirus Conference, Charleston, SC, January 1999
- 9) Levy SM, Kirchner HL, Warren JJ, Kiritsy MC, Wefel JS. Consistency of Fluoride Intake Per Unity Body Weight from Birth to Age 36 Months. Presented at the European Organization for Caries Research annual meeting, July 1998.
- 8) Smith EM, Summersgill KS, Kirchner HL, Hoffman HH, Ricks J, Haugen TH, Turek LP. Human Papillomavirus (HPV) and Risk of Oral Cancer. *J Dent Res.* 1998; 77 (Special Issue – IADR Abstracts)
- 7) Levy SM, Warren JJ, Kirchner HL, Slager SL, Kiritsy MC, Wefel JS. Estimated Fluoride Ingestion by Infants. *J Dent Res.* 1998; 77 (Special Issue – IADR Abstracts)
- 6) Smith EM, Summersgill K, Kirchner HL, Hoffman HH, Turek LP, Haugen TH. Human Papillomavirus and Risk of Oral Cancer. Presented at the 16th International Papillomavirus Conference, September 1997.
- 5) Smith EM, Taylor M, Kirchner HL, Hoffman HH. Frequency of Voice Problems in Teaching Compared with Other Occupations. Presented at the 26th Annual Symposium: Care of the Professional Voice, June 1997.
- 4) Smith EM, Kirchner HL, Taylor M, Hoffman HH. Voice Problems Among Teachers: Differences by Gender and Teaching Characteristics. Presented at the 26th Annual Symposium: Care of the Professional Voice, June 1997.
- 3) Summersgill K, Smith EM, Kirchner HL, Turek LP, Haugen TH. HPV Frequency in Mouths of Normal Patients. *J Dent Res.* 1997; 76 (Special Issue – IADR Abstracts)
- 2) Smith EM, Summersgill K, Kirchner HL, Hoffman HH, Turek LP, Haugen TH. Human Papillomavirus and Risk of Oral Cancer. Presented at the Southern Triological Society meetings, January 1997.
- 1) Smith EM, Taylor M, Kirchner HL, Hoffman HH. Outcomes of Spasmodic Dysphonia and Vocal Fold Paralysis on Quality of Life. Presented at the Western Triological Society meetings, January 1997.

* Primary author was a student, resident, or fellow.

D. Presentations (most recent listed first):

<u>Year</u>	<u>Activity</u>
2016	Invited Talk, “C-18: Statistics without Tears”, PRIM&R Advancing Ethical Research Conference 2016, Anaheim, CA, November 15, 2016
2006	Presentation, Contributed, “The Contribution of Pharyngometry with Sleep Disordered Breathing and the Development of a Clinical Assessment Tool”, Sleep 2006, Salt Lake City, UT, June 21, 2006.
2006	Poster, “Design and Analysis for the Simultaneous Estimation of Intra- and Inter-Scorer Agreement of Sleep Staging”, Sleep 2006, Salt Lake City, UT, June 20, 2006
2006	Invited Seminar, “Design and Analysis for the Simultaneous Estimation of Intra- and Inter-Scorer Agreement of Sleep Staging”, Central Michigan University, Department of Mathematics, April 20, 2006
2005	Platform Presentation, Neurobehavioral and Teratology Society 2005 Annual Meeting, “Growth Trajectories of Children Prenatally Exposed to Cocaine to Age 6 Years”, St. Pete’s Beach, FL, June 25-19.
2001	Seminar , Department of Epidemiology and Biostatistics, Biostatistics Research Series, “Estimate of Agreement for Binary Scales when Multiple Raters make Duplicate Assessments”, Cleveland, OH, October, 18, 2001.
2001	Contributed Paper, Society for Clinical Trials 2001 Annual Meeting, “A Simple Approach to the Estimation of Kappa from Independent and Dependent Data”, Denver, CO, May 19-23, 2001
1999	Contributed Paper, International Biometric Society / Eastern North American Region 1999 Spring Meeting, “Prevalence and Order Restricted Properties for the Estimation of Intra- and Inter-Rater Measures of Agreement”, Atlanta, GA, March 28-31
1999	Contributed Paper, International Association for Dental Research 1999 annual meeting, “The Assessment of Bias in Oral Health Longitudinal Studies”, Vancouver BC, March 10-13
1999	Speaker, University of Iowa, College of Medicine, Division of Biostatistics Seminar Series, “The Assessment of Bias Through Multiple Imputation in Longitudinal Studies”, November 16
1999	Speaker, University of Iowa, College of Dentistry’s Tuesday Noon Seminar Series, “The Assessment of Bias in Oral Health Longitudinal Studies”, September .