

Curriculum Vitae

Last Updated: 03/15/2024

PERSONAL DATA

Name: Richard Holubkov, Ph.D.
Birth Place: Prague, Czech Republic
Citizenship: United States, Czech Republic

EDUCATION

| <u>Years</u> | <u>Degree</u> | <u>Institution (Area of Study)</u> |
|---------------------|----------------------|---|
| 1990 - 1995 | Ph.D. | University of Washington (Biostatistics) Seattle, WA |
| 1990 - 1993 | M.S. | University of Washington (Biostatistics) Seattle, WA |
| 1985 - 1986 | M.S. | Carnegie-Mellon University (Statistics) Pittsburgh, PA |
| 1981 - 1985 | B.S. | University of Chicago (Statistics) Chicago, IL |

UNIVERSITY OF UTAH ACADEMIC HISTORY

Pediatrics (Pediatric Critical Care), 12/01/2005 - Present

07/01/2010 - Present Professor
12/01/2005 - 06/30/2010 Associate Professor

Pediatrics (Pediatric Critical Care), 05/01/2005 - 11/30/2005

05/01/2005 - 11/30/2005 Adjunct Associate Professor

Population Health Sciences (Biostatistics), 09/15/2016 - Present

09/15/2016 - Present Adjunct Professor

Family & Preventive Medicine (Public Health), 08/01/2010 - Present

08/01/2010 - Present Adjunct Professor

Family & Preventive Medicine (Public Health), 03/01/2002 - 11/30/2005

03/01/2002 - 11/30/2005 Associate Professor

PROFESSIONAL EXPERIENCE

Full-Time Positions

2010 - Present Professor, Division of Critical Care, Department of Pediatrics, University of Utah, Salt Lake City, Utah

2005 - 2010 Associate Professor (tenure-track; tenured 7/2007), Division of Critical Care, Department of Pediatrics, University of Utah, Salt Lake City, Utah

2002 - 2005 Associate Professor (tenure-track; tenured 7/2005), Department of Family and Preventive Medicine, School of Medicine, University of Utah, Salt Lake City, Utah

1995 - 2002 Assistant Professor, Division of Cardiology, School of Medicine, University of Pittsburgh, Pittsburgh, PA

1995 - 2002 Assistant Professor, Department of Epidemiology, Graduate School of Public Health, University of Pittsburgh, Pittsburgh, PA

1994 - 1995 Programmer/Analyst, Department of Health Services, University of Washington, Seattle, Seattle, Washington

1991 - 1993 Research Assistant, Department of Neurological Surgery, University of Washington, Seattle, Seattle, Washington

1991 - 1993 Teaching Assistant, Department of Biostatistics, University of Washington, Seattle, Seattle, Washington

1988 - 1990 Research Associate, Department of Epidemiology, Graduate School of Public Health, University of Pittsburgh, Pittsburgh, PA

1986 - 1998 Research Specialist, Department of Epidemiology, Graduate School of Public Health, University of Pittsburgh, Pittsburgh, PA

1985 - 1986 Research Assistant, Department of Statistics, Carnegie-Mellon University, Pittsburgh, Pittsburgh, PA

1984 - 1985 Statistical Programmer, National Opinion Research Center, University of Chicago, Chicago, IL

Part-Time Positions

2020 - Present Appointed Member, Pediatric Advisory Committee, Food and Drug Administration, White Oak, MD

2019 - 2020 DSMB Member, Revance Therapeutics, Inc., Newark, CA

2016 - 2019 Biostatistical Consultant, DURECT Corporation, Cupertino, CA

2014 - 2016 DSMB Chair, Fibrocell Science, Inc., Exton, PA

2012 - Present Biostatistical Consultant, Physicians Committee for Responsible Medicine, Washington, DC

2011 - Present DSMB Member, Pfizer, Inc., New York, NY

2007 - 2011 Statistical Consultant, Supportive Oncology Services, Inc., Memphis, Tennessee

2006 - 2007 Statistical Consultant, Rosenberg Cooley Metcalf Clinic, Park City, Utah

2005 Statistical Consultant, Lahey Clinic, Burlington, Massachusetts

2004 - 2010 Statistical Consultant, Tyco Healthcare, Boulder, Colorado

2003 Statistical Consultant, Associated Regional and University Pathologists (ARUP) Laboratories, Salt Lake City, Utah

2002 - 2015 Statistical Consultant, AVERT Coordinating Center, Pittsburgh, Pennsylvania

2001 Statistical Consultant, Arnold & Porter, Attorneys at Law, Washington, D.C.

1997 - 2001 Statistical Consultant, Clinical Cardiovascular Research L.L.C., Gaithersburg, Maryland

1997 - 1999 Statistical Consultant, CardioThoracic Systems, Inc., Cupertino, California

1996 - 2005 Statistical Consultant, Children's Hospital of Pittsburgh, Pittsburgh, Pennsylvania

1993 - 1997 Statistical Consultant, Blitzion Corporation, Bellevue, Washington

Editorial Experience

2017 - 2023 Associate Editor for *Trials*

2004 - 2007 Editorial Board Member for Family Medicine

Reviewer Experience

Reviewer for 2000 National Student Research Forum (sponsored by American Medical Association Education and Research Foundation)

Reviewer for BMC Anesthesiology

Reviewer for BMC Cancer

Reviewer for BMC Musculoskeletal Disorders

Reviewer for BMC Ophthalmology

Reviewer for Clinical Trials: Journal of the Society for Clinical Trials

Reviewer for Coronary Artery Disease

Reviewer for Journal of Clinical and Translational Science

Reviewer for Journal of Interventional Cardiology

Reviewer for Journal of Neurosurgery

Reviewer for Journal of the American College of Cardiology

Reviewer for Journal of the American Medical Association

Reviewer for Pediatrics

Statistical reviewer for Lancet Child & Adolescent Health

Statistical reviewer for Lancet Regional Health - Europe

SCHOLASTIC HONORS

1990 - 1995 National Research Service Award, Traineeship in Biostatistics

1990 - 1993 Achievement Rewards for College Scientists Fellowship

1985 - 1986 Richard King Mellon Fellowship for Graduate Study

1985 Membership, Phi Beta Kappa

1981 - 1985 John F. Polakovic Foundation Scholarship

1981 - 1985 Illinois State Scholarship

1981 - 1985 National Merit Scholarship, University of Chicago

ADMINISTRATIVE EXPERIENCE

Administrative Duties

2021 - Present Data Coordinating Center Director and Multiple PI, "Placebo-Controlled Effectiveness in INPH Shunting (PENS) Trial", NIH/NINDS

2019 - Present Data Coordinating Center Director and Multiple PI, Endoscopic versus Shunt Treatment of Hydrocephalus in Infants, NIH/NINDS.

2014 - Present Principal Investigator, Data Coordinating Center for "A randomized controlled trial of anterior versus posterior entry site for cerebrospinal fluid infection", PCORI.

2013 - Present Principal Investigator, Adult Hydrocephalus Research Network Coordinating Center

2009 - Present Co-Director, Study Design and Biostatistics Center, Center for Clinical and Translational Science, University of Utah School of Medicine

2008 - Present Principal Investigator, Hydrocephalus Clinical Research Network (HCRN) Coordinating Center, University of Utah

2006 - Present Executive Committee Member, Intermountain Injury Control Research Center, Department of Pediatrics, University of Utah School of Medicine

2004 - 2008 Biostatistician and Executive Committee Member, Huntsman General Clinical Research Center (GCRC), School of Medicine, University of Utah

2003 - 2008 Director, Biostatistical Core Resource, School of Medicine, University of Utah

1996 - 2002 Member of several Faculty Search Committees (Associate Professor and Research Associate level), Department of Epidemiology, University of Pittsburgh

1995 - 2002 Member of Executive Committee, Epidemiology Data Center, University of Pittsburgh

Professional Organization & Scientific Activities

2012 - 2017 Board Member, American Burn Association, Data Safety Monitoring Board Member, Randomized Controlled Evaluation of Hemofiltration in Adult Burn Patients with Septic Shock and Acute Renal Failure (RESCUE Trial)

2012 - Present Advisory Board Member, National Heart, Lung and Blood Institute, Observational Safety Monitoring Board Member, Genomic Research in Alpha 1 antitrypsin Deficiency and Sarcoidosis (2012 to Present), Data Safety Monitoring Board Member, NHLBI Collaborating Network of Networks for Evaluating COVID-19 and Therapeutic Strategies (**CONNECTS**; 2021 to Present), Clinical Trials Review Committee member (2023 to Present)

1998 Member & Representative, National Institutes of Health, Delegation, Scientific Visit to Institute of Clinical and Experimental Medicine, Prague, Czech Republic

1990 Member & Representative, National Institutes of Health, Delegation, Scientific Visit to Institute of Clinical and Experimental Medicine, Prague, Czech Republic

1987 Invited Consultant, American College of Cardiology/American Heart Association, Subcommittee to Assess PTCA of the ACC/AHA Task Force on Assessment of Diagnostic and Therapeutic Cardiovascular Procedures, Chicago, IL

Grant Review Committee/Study Section

2022 - 2026 Regular Standing Member, Clinical Trials Review Study Section (CLTR), National Heart, Lung, and Blood Institute (NHLBI).

2021 Member, NIDDK Review Panel, RFA DK20-04 (Liver Cirrhosis Network: Scientific and Data Coordination Center)

2020 Member, NIH Center for Scientific Review Special Emphasis Panel ZRG1 EMNR-S: PARs for Translational Research in Pediatric and Obstetric Pharmacology and Therapeutics

2018 Member, NIDDK Special Emphasis Review Panel, PAR-18-042 (Ancillary Studies to Major Ongoing Clinical Research Studies to Advance Areas of Scientific Interest within the Mission of the NIDDK -R01)

2011 Grant Review Committee Member, Special Emphasis Panel, Pediatric Heart Network, NHLBI.

2010 Grant Review Committee Member, Special Emphasis Panel, Science Moving Toward Research Translation and Therapy (SMARTT), NHLBI.

2008 - 2012 Member, American Heart Association Epidemiology, Prevention, Outcomes and Behavior Science Peer Review Committee

2007 - Present Protocol Review Committee Member, National Heart, Lung, and Blood Institute Cardiothoracic Surgical Network

1995 - 2003 Ad Hoc review committee member, National Institutes of Health (NIH), National Center for Research Resources (NCRR). 9 reviews.

UNIVERSITY COMMUNITY ACTIVITIES

University Level

2003 - 2004 Representative, University Statistics Committee, Biostatistics Track
2002 - Present Member, University Statistics Committee

University of Utah Health

2002 - 2005 Member, Health Sciences Center Institutional Review Board

College Level

2003 Member, School of Medicine Tenured Faculty Review Committee, (2)

Department Level

2005 - 2006 Member, Family and Preventive Medicine, Health Studies Program Advisory Committee

SERVICE AT PREVIOUS INSTITUTIONS

2001 - 2002 Ad hoc Member, University of Pittsburgh, Scientific Review Committee, Western Psychiatric Institute and Clinic, University of Pittsburgh
1999 - 2002 Faculty Reader, University of Pittsburgh, Department of Epidemiology Ph.D. Qualifying Examination
1999 Lecturer, University of Pittsburgh, Graduate School of Public Health Seminars
1998 Faculty Member, University of Pittsburgh, Fundamentals of Clinical Research Practice workshops
1997 - 2002 Member, University of Pittsburgh, Scientific Review Committee, Department of Neurology, University of Pittsburgh School of Medicine
1997 Faculty Member, University of Pittsburgh, CardioThoracic Systems (CTS) Minimally Invasive Coronary Artery Bypass Training Course, University of Pittsburgh Medical Center

CURRENT MEMBERSHIPS IN PROFESSIONAL SOCIETIES

American Statistical Association
International Society for Clinical Biostatistics
Society for Clinical Trials

FUNDING

Active Grants

01/01/08 - Present Coordinating Center for the Hydrocephalus Clinical Research Network
Principal Investigator(s): Richard Holubkov
Private Donor
Role: Principal Investigator

Past Grants

07/01/18 - 06/30/19 Holubkov Adult Hydrocephalus Research Network Coordinating Center 2018-2019
Principal Investigator(s): Richard Holubkov
Direct Costs: \$282,839 Total Costs: \$282,839
Hydrocephalus Association
Role: Principal Investigator

04/09/18 - 03/31/21 Holubkov PENS Pilot Trial in Adult Hydrocephalus Patients (Subcontract to Johns Hopkins University)
Principal Investigator(s): Richard Holubkov
Direct Costs: \$193,369 Total Costs: \$263,949
Role: Principal Investigator

04/01/18 - 03/31/19 PREVENT Preterm Birth Randomized Trial Coordinating Center
Principal Investigator(s): Richard Holubkov
Direct Costs: \$1,082,964 Total Costs: \$1,478,246
Intermountain Healthcare
Role: Principal Investigator

01/01/18 - 06/30/18 Holubkov Adult Hydrocephalus Research Network Coordinating Center
Principal Investigator(s): Richard Holubkov
Direct Costs: \$126,089 Total Costs: \$126,089
Hydrocephalus Association
Role: Principal Investigator

07/01/17 - 06/30/18 PREVENT Preterm Birth Randomized Trial Coordinating Center
Principal Investigator(s): Richard Holubkov
Direct Costs: \$69,012 Total Costs: \$94,201
Intermountain Healthcare
Role: Principal Investigator

07/01/16 - 06/30/19 Life After Pediatric Sepsis Evaluation (LAPSE) Cohort Study Coordinating Center (subcontract to University of Washington)
Principal Investigator(s): Richard Holubkov
Direct Costs: \$293,371 Total Costs: \$437,122
Seattle Children's Hospital
Role: Principal Investigator

04/01/16 - 03/31/20 Holubkov CPCR - Subcontract to Children's Hospital of Philadelphia
Principal Investigator(s): Richard Holubkov; Ron Reeder
Direct Costs: \$613,518 Total Costs: \$914,142
Childrens Hospital Philadelphia
Role: Principal Investigator

10/01/15 - 09/30/20 Holubkov LAPSE R01 (subcontract to Seattle Children's Hospital)
Principal Investigator(s): Richard Holubkov
Seattle Children's Hospital
Role: Principal Investigator

06/01/15 - 07/31/19 Sepsis-Induced Red Cell Dysfunction (SIRD) Study Coordinating Center R01 (subcontract to Washington University in St. Louis)
Principal Investigator(s): Richard Holubkov
Direct Costs: \$118,641 Total Costs: \$177,269
Washington University In St Louis
Role: Principal Investigator

01/01/15 - 12/31/18 A Randomized Controlled Trial of Anterior Versus Posterior Entry Site for Cerebrospinal Fluid Shunt Insertion Data Coordinating Center (subcontract to Baylor College of Medicine)
Principal Investigator(s): Richard Holubkov
Direct Costs: \$1,122,400 Total Costs: \$1,571,360
Baylor College Of Medicine
Role: Principal Investigator

09/25/13 - 06/30/15 Holubkov Lapse Dec
Principal Investigator(s): Richard Holubkov
Direct Costs: \$267,751 Total Costs: \$398,949
Seattle Children's Hospital
Role: Principal Investigator

01/01/13 - 12/31/13 Multicenter Cooling Trial Sub
Principal Investigator(s): Richard Holubkov
Direct Costs: \$29,174 Total Costs: \$43,542
Children's National Medical Center
Role: Principal Investigator

07/01/12 - 06/30/17 Study of Bereavement in Parents of PICU-Hospitalized Children (subcontract to Wayne State University)
Principal Investigator(s): Richard Holubkov
Wayne State University
Role: Principal Investigator

07/01/11 - 06/30/13 Cando Trial Pilot
Principal Investigator(s): Richard Holubkov
University of Tennessee
Role: Principal Investigator

06/01/10 - 03/31/15 K23 Changes In Adipokines and Adiposity during Puberty and Young Adulthood
National Heart, Lung, and Blood Institute
Role: Co-Mentor

10/01/09 - 09/30/11 Critical Asthma
Principal Investigator(s): Richard Holubkov
Children's Hospital Los Angeles
Role: Principal Investigator

03/09/09 - 08/31/09 Data Coordinating Center for Therapeutic Hypothermia After Cardiac Arrest (THAPCA) Trials
National Heart, Lung, and Blood Institute
Role: Biostatistician

05/19/08 - 04/30/13 University of Utah Center for Clinical and Translational Science (CCTS)
National Center for Research Resources
Role: Biostatistician

05/01/05 - 11/30/09 Data Coordinating Center of the Collaborative Pediatric Critical Care Research Network
Principal Investigator(s): Richard Holubkov
Eunice Kennedy Shriver National Institute of Child Health and Human Development
Role: Principal Investigator

- 05/01/03 - 08/01/08 Biostatistical Core Resource for the University of Utah School of Medicine.
Principal Investigator(s): Richard Holubkov
University of Utah
Role: Principal Investigator
- 09/01/02 - 08/31/11 Central Data Management and Coordinating Center for the Pediatric Emergency
Care Applied Research Network (PECARN)
Direct Costs: \$1,263,918 Total Costs: \$1,560,000
HRSA Maternal & Child Health Bureau (MCHB)
Role: Co-Investigator
- 01/01/01 - 08/31/07 NCI 5R01CA088958
A Prospective Study of Alaska Natives & American Indians.
A cohort study of Alaska Natives and American Indians to obtain a better
understanding of etiology of disease in these populations
Direct Costs: \$8,129,858 Total Costs: \$10,563,650
National Cancer Institute
Role: Biostatistician
- 09/25/00 - 06/30/04 BRCA1 Testing In A Large African American Kindred.
Direct Costs: \$1,268,849 Total Costs: \$1,710,831
National Human Genome Research Institute
Role: Biostatistician

Past Contracts

- 09/30/98 - 09/29/04 Thyroid Disease in Persons Exposed to Radioactive Fallout from Atomic Weapons
Testing at the Nevada Test Site.
Direct Costs: \$4,497,880 Total Costs: \$6,745,623
Centers for Disease Control and Prevention
Role: Biostatistician

TEACHING RESPONSIBILITIES/ASSIGNMENTS

Course and Curriculum Development

- 2004 - 2006 Methods in Clinical Trials. This course presented practical approaches to design
and analysis of clinical trials to entering students in the Ph.D. in Public Health
program at the University of Utah.
- 1999 Epidemiology 2182 (see "Courses taught" above) was developed jointly with Dr.
Sheryl F. Kelsey. This two-credit class implements discussion/interpretation of
recent controversial biomedical journal articles to address clinical trials issues (e.g.,
ethics of randomization, Bayesian vs. frequentist analysis, informed consent) to
M.P.H. and Ph.D. students in the Graduate School of Public Health. University of
Pittsburgh, Pittsburgh, PA

Course Lectures

- 2025 PI, PBHLT 6954: Independent Study, 0 students, University of Utah, S. F. E.
School of Medicine
- 2025 PI, PBHLT 6954: Independent Study, 0 students, University of Utah, S. F. E.
School of Medicine
- 2025 PI, PBHLT 6971: Biostatistics Pract, 0 students, University of Utah, S. F. E.
School of Medicine

2025 PI, PBHLT 6970: Statistical Investigatn, 0 students, University of Utah, S. F. E. School of Medicine

2025 PI, MDCRC 6040: Design Clinical Trials, 0 students, University of Utah, S. F. E. School of Medicine

2024 PI, PBHLT 6970: Statistical Investigatn, 0 students, University of Utah, S. F. E. School of Medicine

2024 PI, PBHLT 6971: Biostatistics Pract, 0 students, University of Utah, S. F. E. School of Medicine

2024 PI, PBHLT 6971: Biostatistics Pract, 0 students, University of Utah, S. F. E. School of Medicine

2024 PI, PBHLT 6970: Statistical Investigatn, 0 students, University of Utah, S. F. E. School of Medicine

2023 PI, PBHLT 6970: Statistical Investigatn, 0 students, University of Utah, S. F. E. School of Medicine

2023 PI, PBHLT 6954: Independent Study, 0 students, University of Utah, S. F. E. School of Medicine

2023 PI, MDCRC 6040: Design Clinical Trials, 27 students, University of Utah, S. F. E. School of Medicine

2023 PI, PBHLT 6954: Independent Study, 0 students, University of Utah, S. F. E. School of Medicine

2023 PI, PBHLT 6971: Biostatistics Pract, 0 students, University of Utah, S. F. E. School of Medicine

2023 PI, PBHLT 6970: Statistical Investigatn, 0 students, University of Utah, S. F. E. School of Medicine

2023 PI, PBHLT 6971: Biostatistics Pract, 0 students, University of Utah, S. F. E. School of Medicine

2023 PI, PBHLT 6970: Statistical Investigatn, 0 students, University of Utah, S. F. E. School of Medicine

2023 PI, PBHLT 6971: Biostatistics Pract, 0 students, University of Utah, S. F. E. School of Medicine

2022 PI, MDCRC 6040: Design Clinical Trials, 18 students, University of Utah, S. F. E. School of Medicine

2022 PI, PBHLT 6971: Biostatistics Pract, 0 students, University of Utah, S. F. E. School of Medicine

2022 PI, PBHLT 6970: Statistical Investigatn, 0 students, University of Utah, S. F. E. School of Medicine

2022 PI, PBHLT 6954: Independent Study, 0 students, University of Utah, S. F. E. School of Medicine

2022 PI, MDCRC 604: Design Clinical Trials, 0 students, University of Utah, S. F. E. School of Medicine

2022 PI, PBHLT 6954: Independent Study, 0 students, University of Utah, S. F. E. School of Medicine

2022 PI, PBHLT 6971: Biostatistics Pract, 0 students, University of Utah, S. F. E. School of Medicine

2022 PI, PBHLT 6970: Statistical Investigatn, 0 students, University of Utah, S. F. E. School of Medicine

2022 PI, PBHLT 6970: Statistical Investigatn, 0 students, University of Utah, S. F. E. School of Medicine

2022 PI, PBHLT 6971: Biostatistics Pract, 0 students, University of Utah, S. F. E. School of Medicine

Fall 2021 Co-Instructor, MDCRC MDCRC-6040: Design Clinical Trials, 15 students, University of Utah, S. F. E. School of Medicine

2021 PI, PBHLT 6954: Independent Study, 0 students, University of Utah, S. F. E. School of Medicine

2021 PI, PBHLT 6971: Biostatistics Pract, 0 students, University of Utah, S. F. E. School of Medicine

2021 PI, PBHLT 6970: Statistical Investigatn, 0 students, University of Utah, S. F. E. School of Medicine

2021 PI, MDCRC 604: Design Clinical Trials, 3 students, University of Utah, S. F. E. School of Medicine

2021 PI, PBHLT 6954: Independent Study, 0 students, University of Utah, S. F. E. School of Medicine

2021 PI, PBHLT 6970: Statistical Investigatn, 0 students, University of Utah, S. F. E. School of Medicine

2021 PI, PBHLT 6971: Biostatistics Pract, 0 students, University of Utah, S. F. E. School of Medicine

2021 PI, PBHLT 6970: Statistical Investigatn, 0 students, University of Utah, S. F. E. School of Medicine

2021 PI, PBHLT 6971: Biostatistics Pract, 0 students, University of Utah, S. F. E. School of Medicine

Fall 2020 Co-Instructor, MDCRC MDCRC-6040: Design Clinical Trials, 12 students, University of Utah, S. F. E. School of Medicine

2020 PI, PBHLT 6970: Statistical Investigatn, 0 students, University of Utah, S. F. E. School of Medicine

2020 PI, PBHLT 6971: Biostatistics Pract, 0 students, University of Utah, S. F. E. School of Medicine

2020 PI, PBHLT 6954: Independent Study, 0 students, University of Utah, S. F. E. School of Medicine

2020 PI, PBHLT 6954: Independent Study, 0 students, University of Utah, S. F. E. School of Medicine

2020 PI, MDCRC 604: Design Clinical Trials, 6 students, University of Utah, S. F. E. School of Medicine

2020 PI, PBHLT 6970: Statistical Investigatn, 0 students, University of Utah, S. F. E. School of Medicine

2020 PI, PBHLT 6971: Biostatistics Pract, 0 students, University of Utah, S. F. E. School of Medicine

2020 PI, PBHLT 6970: Statistical Investigatn, 0 students, University of Utah, S. F. E. School of Medicine

2020 PI, PBHLT 6971: Biostatistics Pract, 0 students, University of Utah, S. F. E. School of Medicine

Fall 2019 Co-Instructor, MDCRC MDCRC-6040: Design Clinical Trials, 27 students, University of Utah, S. F. E. School of Medicine

2019 PI, PBHLT 6971: Biostatistics Pract, 0 students, University of Utah, S. F. E. School of Medicine

2019 PI, MDCRC 604: Design Clinical Trials, 6 students, University of Utah, S. F. E. School of Medicine

2019 PI, PBHLT 6954: Independent Study, 0 students, University of Utah, S. F. E. School of Medicine

2019 PI, PBHLT 6954: Independent Study, 0 students, University of Utah, S. F. E. School of Medicine

2019 PI, PBHLT 6970: Statistical Investigatn, 0 students, University of Utah, S. F. E. School of Medicine

2019 PI, PBHLT 6971: Biostatistics Pract, 0 students, University of Utah, S. F. E. School of Medicine

2019 PI, PBHLT 6970: Statistical Investigatn, 0 students, University of Utah, S. F. E. School of Medicine

2019 PI, PBHLT 6971: Biostatistics Pract, 0 students, University of Utah, School of Medicine

2019 PI, PBHLT 6970: Statistical Investigatn, 0 students, University of Utah, School of Medicine

Fall 2018 Co-Instructor, MDCRC 6040: Design Clinical Trials, 10 students, University of Utah, Ctr Clinical & Translational Sci

2018 PI, PBHLT 6954: Independent Study, 0 students, University of Utah, School of Medicine

2018 PI, PBHLT 6954: Independent Study, 0 students, University of Utah, School of Medicine

2018 PI, MDCRC 604: Design Clinical Trials, 3 students, University of Utah, School of Medicine

2018 PI, PBHLT 6970: Statistical Investigatn, 0 students, University of Utah, School of Medicine

2018 PI, MDCRC 6040: Design Clinical Trials, 30 students, University of Utah, School of Medicine

2018 PI, PBHLT 6971: Biostatistics Pract, 0 students, University of Utah, School of Medicine

2018 PI, PBHLT 6970: Statistical Investigatn, 0 students, University of Utah, School of Medicine

2018 PI, PBHLT 6971: Biostatistics Pract, 0 students, University of Utah, School of Medicine

2018 PI, PBHLT 6971: Biostatistics Pract, 0 students, University of Utah, School of Medicine

2018 PI, PBHLT 6970: Statistical Investigatn, 0 students, University of Utah, School of Medicine

Fall 2017 Co-Instructor, MDCRC 6040: Design Clinical Trials, 16 students, University of Utah, Ctr Clinical & Translational Sci

2017 PI, MDCRC 6040: Design Clinical Trials, 51 students, University of Utah, School of Medicine

2017 PI, MDCRC 604: Design Clinical Trials, 0 students, University of Utah, School of Medicine

2017 PI, PBHLT 6971: Biostatistics Pract, 0 students, University of Utah, School of Medicine

2017 PI, PBHLT 6970: Statistical Investigatn, 0 students, University of Utah, School of Medicine

2017 PI, PBHLT 6954: Independent Study, 0 students, University of Utah, School of Medicine

2017 PI, FP MD 6970: Statistical Investigatn, 0 students, University of Utah, School of Medicine

2017 PI, FP MD 6971: Biostatistics Pract, 0 students, University of Utah, School of Medicine

2017 PI, FP MD 6971: Biostatistics Pract, 0 students, University of Utah, School of Medicine

2017 PI, FP MD 6970: Statistical Investigatn, 0 students, University of Utah, School of Medicine

Fall 2016 Co-Instructor, MDCRC 6040: Design Clinical Trials, 17 students, University of Utah, Ctr Clinical & Translational Sci

2016 PI, FP MD 6970: Statistical Investigatn, 0 students, University of Utah, School of Medicine

2016 PI, FP MD 6954: Independent Study, 0 students, University of Utah, School of Medicine

2016 PI, MDCRC 6040: Design Clinical Trials, 51 students, University of Utah, School of Medicine

2016 PI, FP MD 6971: Biostatistics Pract, 0 students, University of Utah, School of Medicine

2016 PI, MDCRC 604: Design Clinical Trials, 3 students, University of Utah, School of Medicine

2016 PI, FP MD 6971: Biostatistics Pract, 0 students, University of Utah, School of Medicine

2016 PI, FP MD 6970: Statistical Investigatn, 0 students, University of Utah, School of Medicine

2016 PI, FP MD 6971, 0 students, University of Utah, School of Medicine

2016 PI, FP MD 6970, 0 students, University of Utah, School of Medicine

Fall 2015 Co-Instructor, MDCRC 6040: Design Clinical Trials, 16 students, University of Utah, Ctr Clinical & Translational Sci

2015 PI, FP MD 6971: Biostatistics Pract, 0 students, University of Utah, School of Medicine

2015 PI, FP MD 6970: Statistical Investigatn, 0 students, University of Utah, School of Medicine

2015 PI, FP MD 6954: Independent Study, 0 students, University of Utah, School of Medicine

2015 PI, MDCRC 604: Design Clinical Trials, 0 students, University of Utah, School of Medicine

2015 PI, MDCRC 6040: Design Clinical Trials, 48 students, University of Utah, School of Medicine

2015 PI, FP MD 6970: Statistical Investigatn, 0 students, University of Utah, School of Medicine

2015 PI, FP MD 6971: Biostatistics Pract, 0 students, University of Utah, School of Medicine

2015 PI, FP MD 6971: Biostatistics Pract, 0 students, University of Utah, School of Medicine

2015 PI, FP MD 6970: Statistical Investigatn, 0 students, University of Utah, School of Medicine

Fall 2014 Co-Instructor, MDCRC 6040: Design Clinical Trials, 19 students, University of Utah, Ctr Clinical & Translational Sci

2014 PI, FP MD 6971: Biostatistics Pract, 0 students, University of Utah, School of Medicine

2014 PI, FP MD 6954: Independent Study, 0 students, University of Utah, School of Medicine

2014 PI, MDCRC 6040: Design Clinical Trials, 57 students, University of Utah, School of Medicine

2014 PI, MDCRC 604: Design Clinical Trials, 0 students, University of Utah, School of Medicine

2014 PI, FP MD 6970: Statistical Investigatn, 0 students, University of Utah, School of Medicine

2014 PI, FP MD 6970: Statistical Investigatn, 0 students, University of Utah, School of Medicine

2014 PI, MDCRC 6040: Design Clinical Trials, 0 students, University of Utah, School of Medicine

2014 PI, MDCRC 604: Design Clinical Trials, 0 students, University of Utah, School of Medicine

2014 PI, FP MD 6971: Biostatistics Pract, 0 students, University of Utah, School of Medicine

2014 PI, FP MD 6971: Biostatistics Pract, 0 students, University of Utah, School of Medicine

2014 PI, FP MD 6970: Statistical Investigatn, 0 students, University of Utah, School of Medicine

Fall 2013 Co-Instructor, MDCRC 6040: Design Clinical Trials, 21 students, University of Utah, Ctr Clinical & Translational Sci

2013 PI, FP MD 6954: Independent Study, 0 students, University of Utah, School of Medicine

2013 PI, MDCRC 6040: Design Clinical Trials, 105 students, University of Utah, School of Medicine

2013 PI, FP MD 6970: Statistical Investigatn, 0 students, University of Utah, School of Medicine

2013 PI, MDCRC 604: Design Clinical Trials, 5 students, University of Utah, School of Medicine

2013 PI, FP MD 6971: Biostatistics Pract, 0 students, University of Utah, School of Medicine

2013 PI, FP MD 6970: Statistical Investigatn, 0 students, University of Utah, School of Medicine

2013 PI, FP MD 6971: Biostatistics Pract, 0 students, University of Utah, School of Medicine

2013 PI, MDCRC 6040: Design Clinical Trials, 0 students, University of Utah, School of Medicine

2013 PI, MDCRC 604: Design Clinical Trials, 0 students, University of Utah, School of Medicine

2013 PI, FP MD 6970: Statistical Investigatn, 0 students, University of Utah, School of Medicine

2013 PI, FP MD 6971: Biostatistics Pract, 0 students, University of Utah, School of Medicine

Fall 2012 Instructor, MDCRC 6040: Design Clinical Trials, 29 students, University of Utah, Ctr Clinical & Translational Sci

2012 PI, FP MD 6954: Independent Study, 0 students, University of Utah, School of Medicine

2012 PI, FP MD 6970: Statistical Investigatn, 1 student, University of Utah, School of Medicine

2012 PI, MDCRC 6040: Design Clinical Trials, 145 students, University of Utah, School of Medicine

2012 PI, FP MD 6971: Biostatistics Pract, 0 students, University of Utah, School of Medicine

2012 PI, FP MD 6971: Biostatistics Pract, 0 students, University of Utah, School of Medicine

2012 PI, FP MD 6970: Statistical Investigatn, 0 students, University of Utah, School of Medicine

2012 PI, MDCRC 6040: Design Clinical Trials, 0 students, University of Utah, School of Medicine

2012 PI, MDCRC 604: Design Clinical Trials, 0 students, University of Utah, School of Medicine

2012 PI, FP MD 6971: Biostatistics Pract, 0 students, University of Utah, School of Medicine

2012 PI, FP MD 6970: Statistical Investigatn, 2 students, University of Utah, School of Medicine

Fall 2011 Co-Instructor, MDCRC 6040: Design Clinical Trials, 16 students, University of Utah, Ctr Clinical & Translational Sci

Fall 2006 Primary Instructor, FP MD 7110: Mthds of Clinical Tr, 11 students, Family & Preventive Medicine

2004 Guest Lecturer, FP MD 6311: Research Design, University of Utah, Family and Preventive Medicine

2003 - Present Guest Lecturer, FP MD 6309: Seminar in Epi/Biostat Techniques, University of Utah, Family and Preventive Medicine

2002 - Present Guest Lecturer, FP MD 6100: Introduction to Biostatistics, University of Utah, Family and Preventive Medicine

1999 - 2002 Co-Instructor, University of Pittsburgh, Department of Epidemiology, Epidemiology 2182, "Contemporary Issues in Clinical Trials", Enrollment 1999: 6. Enrollment 2000: 10. Enrollment 2001: 6. Enrollment 2002: 7. Co-taught with Dr. Sheryl Kelsey, 1999-2000. Co-taught with Dr. Maria Brooks, 2001. Presented two lectures during 2002 (Dr. Brooks is now primary instructor).

Mentoring/Advising

Faculty

2006-2014 Advisor/Mentor, Tamara Simon, University of Utah, Mentoring Committee Member, K23 Career Enhancement Award
Trainee's Current Career Activities: Faculty, Division of Hospital Medicine, Department of Pediatrics, Keck School of Medicine, University of Southern California, Los Angeles, CA

2006-2012 Advisor/Mentor, Nicole Mihalopoulos, University of Utah, Mentoring Committee Member, K23 Career Enhancement Award Applicant.
Trainee's Current Career Activities: Chief, Division of Adolescent Medicine, Department of Pediatrics, University of Utah

2005 - 2011 Advisor/Mentor, Rajendu Srivastava, University of Utah, Co-Advisor and Mentor for NICHD K23 Award
Trainee's Current Career Activities: Professor, Department of Pediatrics, University of Utah and Associate Vice President/Medical Director, Intermountain Healthcare.

Masters

2019 - 2020 Co-Advisor/Mentor, Wei Li, University of Utah, Member of M Stat Advisory Committee
Trainee's Current Career Activities: Biostatistician, Utah State legislature

2006 - 2013 Advisor/Mentor, Junji Lin, University of Utah, Advisor, M.Stat. (biostatistics track)
Trainee's Current Career Activities: Associate Director, Jazz Pharmaceuticals, Washington, DC

2006 - 2007 Advisor/Mentor, Masaki Mihaila, University of Utah, Advisor, M.Stat. (biostatistics track)
Trainee's Current Career Activities: Biostatistician, Medivation Inc., San Francisco, CA

2004 - 2006 Advisor/Mentor, Zhuo Li, University of Utah, Advisor, M. Stat (biostatistics track)
Trainee's Current Career Activities: Biostatistician, Mayo Clinic, Jacksonville, FL

- 2003 - 2005 Advisor/Mentor, Ben-jr Wang, University of Utah, Advisor, M.Stat. (biostatistics track)
Trainee's Current Career Activities: Biostatistician, private consulting firm, Rockville, MD.
- 2002 - 2004 Advisor/Mentor, Cempaka Martial, University of Utah, Advisor for M.Stat. degree (biostatistics track)
Trainee's Current Career Activities: Statistician, Intermountain Health Care, Salt Lake City, Utah.

Graduate Student Committees

- 2011 - 2012 Chair, Aiping Wang, University of Utah
- 2010 - 2013 Chair, Junji Lin, University of Utah
- 2009 - 2012 Member, Weining Volinn, University of Utah, "Measurement Errors in the Rasch Model." (Chair: Dr. Christy Porucznik)
- 2006 - 2008 Member, Matthew These, University of Utah, "Important Differences in Accelerometer Cut Points for Physical Activity in a Nested Occupational Cohort." (Chair: Dr. Kurt Hegmann)
- 2004 Member, Nathan Adams, University of Utah, (Graduated Winter 2004; Advisor: Dr. Marlene J. Egger)(Masters of Statistics, Biostatistics Track)
- 2002-2003 Member, Suyan Tian, University of Utah, (Advisor: Dr. Marlene J. Egger)(Masters of Statistics, Biostatistics Track)
- 1999-2001 Member, Rachel Mackey, University of Pittsburgh, "Epidemiology of large artery stiffness in the elderly."(Chair: Dr. Kim Sutton-Tyrrell)
- 1997-1999 Member, Faith Selzer, University of Pittsburgh, "Characteristics of Aortic Stiffness as Measured by Pulse Wave Velocity in Women with Systemic Lupus Erythematosus." (Chair: Dr. Kim Sutton-Tyrrell)
- 1999-2001 Member, Ping Guo, University of Pittsburgh, "Intraclass Correlation of Lesion Restenosis in the BARI Trial." (Chair: Dr. Sheryl F. Kelsey)

PEER-REVIEWED JOURNAL ARTICLES

1. Kahleova H, Brennan H, Znayenko-Miller T, **Holubkov R**, Barnard ND (2023). Does diet quality matter? A secondary analysis of a randomized clinical trial.(Epub ahead of print). *Eur J Clin Nutr*.
2. Kahleova H, Holtz DN, Strom N, La Reau A, Kolipaka S, Schmidt N, Hata E, Znayenko-Miller T, **Holubkov R**, Barnard ND (2023). A dietary intervention for postmenopausal hot flashes: A potential role of gut microbiome. An exploratory analysis.(Epub ahead of print) *Complement Ther Med*, 79, 103002.
3. Grissom CK, **Holubkov R**, Carpenter L, Hanna B, Jacobs JR, Jones C, Knighton AJ, Leither L, Lisonbee D, Peltan ID, Winberg C, Wolfe D, Srivastava R (2023). Implementation of coordinated spontaneous awakening and breathing trials using telehealth-enabled, real-time audit and feedback for clinician adherence (TEACH): a type II hybrid effectiveness-implementation cluster-randomized trial. *Implement Sci*, 18(1), 45.
4. VanBuren JM, Hall M, Zuppa AF, Mourani PM, Carcillo J, Dean JM, Watt K, **Holubkov R** (2023). The Design of Nested Adaptive Clinical Trials of Multiple Organ Dysfunction Syndrome Children in a Single Study.(Epub ahead of print). *Pediatr Crit Care Med*.
5. Podd BS, Banks RK, Reeder R, **Holubkov R**, Carcillo J, Berg RA, Wessel D, Pollack MM, Meert

- K, Hall M, Newth C, Lin JC, Doctor A, Shanley T, Cornell T, Harrison RE, Zuppa AF, Sward K, Dean JM, Randolph AG, Eunice Kennedy Shriver National Institute of Child Health and Human Development Collaborative Pediatric Critical Care Research Network (2023). Early, Persistent Lymphopenia Is Associated With Prolonged Multiple Organ Failure and Mortality in Septic Children.(Epub ahead of print). *Crit Care Med*.
6. Cheung C, Kernan KF, Berg RA, Zuppa AF, Notterman DA, Pollack MM, Wessel D, Meert KL, Hall MW, Newth C, Lin JC, Doctor A, Shanley T, Cornell T, Harrison RE, Banks RK, Reeder RW, **Holubkov R**, Carcillo JA, Fink EL, Eunice Kennedy Shriver National Institute of Child Health and Human Development Collaborative Pediatric Critical Care Research Network (2023). Acute Disorders of Consciousness in Pediatric Severe Sepsis and Organ Failure: Secondary Analysis of the Multicenter Phenotyping Sepsis-Induced Multiple Organ Failure Study.(Epub ahead of print). *Pediatr Crit Care Med*.
 7. Kahleova H, Znayenko-Miller T, Uribarri J, Schmidt N, Kolipaka S, Hata E, Holtz DN, Sutton M, **Holubkov R**, Barnard ND (2023). Dietary advanced glycation end-products and postmenopausal hot flashes: A post-hoc analysis of a 12-week randomized clinical trial. *Maturitas*, 172, 32-38.
 8. Dewan MC, Isaacs AM, Cools MJ, Yengo-Kahn A, Naftel RP, Jensen H, Reeder RW, **Holubkov R**, Haizel-Cobbina J, Riva-Cambrin J, Jafrani RJ, Pindrik JA, Jackson EM, Judy BF, Kurudza E, Pollack IF, McDowell MM, Hankinson TC, Staulcup S, Hauptman J, Hall K, Tamber MS, Cheong A, Warsi NM, Rocque BG, Saccomano BW, Snyder RI, Kulkarni AV, Kestle JRW, Wellons JC 3rd, Hydrocephalus Clinical Research Network (2023). Treatment of hydrocephalus following posterior fossa tumor resection: a multicenter collaboration from the Hydrocephalus Clinical Research Network. *J Neurooncol*, 163(1), 123-132.
 9. Spivak AM, Barney BJ, Greene T, **Holubkov R**, Olsen CS, Bridges J, Srivastava R, Webb B, Sebahar F, Huffman A, Pacchia CF, Dean JM, Hess R (2023). A Randomized Clinical Trial Testing Hydroxychloroquine for Reduction of SARS-CoV-2 Viral Shedding and Hospitalization in Early Outpatient COVID-19 Infection.(Epub ahead of print) *Microbiol Spectr*, 11(2), e0467422.
 10. Ip CS, Jones DK, Weinlander E, Gudgeon B, Lin A, Yazdani H, Pierce J, **Holubkov R**, Jensen H, Church M, Mifflin MD (2023). Phase I/II randomized, double-masked, placebo-controlled study of processed amniotic fluid drops after PRK. *J Cataract Refract Surg*, 49(3), 299-304.
 11. Luciano M, **Holubkov R**, Williams MA, Malm J, Nagel S, Moghekar A, Eklund A, Zwimpfer T, Katzen H, Hanley DF, Hamilton MG, PENS Co-investigators and AHCRN Site PIs (2023). Placebo-Controlled Effectiveness of Idiopathic Normal Pressure Hydrocephalus Shunting: A Randomized Pilot Trial. *Neurosurgery*, 92(3), 481-489.
 12. Keenan HT, Clark A, **Holubkov R**, Ewing-Cobbs L (2023). Longitudinal Developmental Outcomes of Infants and Toddlers With Traumatic Brain Injury. *JAMA Netw Open*, 6(1), e2251195.
 13. Barnard ND, Kahleova H, Holtz DN, Znayenko-Miller T, Sutton M, **Holubkov R**, Zhao X, Galandi S, Setchell KDR (2023). A dietary intervention for vasomotor symptoms of menopause: a randomized, controlled trial. *Menopause*, 30(1), 80-87.
 14. Horvat CM, Fabio A, Nagin DS, Banks RK, Qin Y, Park HJ, Kernan KF, Canna SW, Berg RA, Wessel D, Pollack MM, Meert K, Hall M, Newth C, Lin JC, Doctor A, Shanley T, Cornell T, Harrison RE, Zuppa AF, Reeder RW, Sward K, **Holubkov R**, Notterman DA, Dean JM, Carcillo JA, Eunice Kennedy Shriver National Institute of Child Health and Human Development Collaborative Pediatric Critical Care Research Network (2022). Mortality Risk in Pediatric Sepsis Based on C-reactive Protein and Ferritin Levels. *Pediatr Crit Care Med*, 23(12), 968-979.
 15. Kahleova H, Znayenko-Miller T, Uribarri J, **Holubkov R**, Barnard ND (2022). Dietary advanced glycation products and their associations with insulin sensitivity and body weight: A 16-week randomized clinical trial. *Obes Sci Pract*, 9(3), 235-242.
 16. Muram S, Isaacs AM, Sader N, **Holubkov R**, Fong A, Conly J, Hamilton MG (2022). A

- standardized infection prevention bundle for reduction of CSF shunt infections in adult ventriculoperitoneal shunt surgery performed without antibiotic-impregnated catheters.(Epub ahead of print) *J Neurosurg*, 1-9.
17. Maddux AB, VanBuren JM, Jensen AR, **Holubkov R**, Alvey JS, McQuillen P, Mourani PM, Meert KL, Burd RS, Eunice Kennedy Shriver National Institute of Child Health., Human Development Collaborative Pediatric Critical Care Research Network (CPCCRN) Assessment of Health-Related Quality of Life., Functional Outcomes after Pediatric Trauma Project Investigators. (2022). Post-discharge rehabilitation and functional recovery after pediatric injury. *Injury*, 53(8), 2795-2803.
 18. Qin Y, Kernan KF, Fan Z, Park HJ, Kim S, Canna SW, Kellum JA, Berg RA, Wessel D, Pollack MM, Meert K, Hall M, Newth C, Lin JC, Doctor A, Shanley T, Cornell T, Harrison RE, Zuppa AF, Banks R, Reeder RW, **Holubkov R**, Notterman DA, Michael Dean J, Carcillo JA (2022). Machine learning derivation of four computable 24-h pediatric sepsis phenotypes to facilitate enrollment in early personalized anti-inflammatory clinical trials. *Crit Care*, 26(1), 128.
 19. Ames SG, Banks RK, Zinter MS, Fink EL, McQuillen PS, Hall MW, Zuppa A, Meert KL, Mourani PM, Carcillo JA, Carpenter T, Pollack MM, Berg RA, Mareboina M, **Holubkov R**, Dean JM, Notterman DA, Sapru A, Eunice Kennedy Shriver National Institute of Child Health and Human Development Collaborative Pediatric Critical Care Research Network (CPCCRN). (2022). Assessment of Patient Health-Related Quality of Life and Functional Outcomes in Pediatric Acute Respiratory Distress Syndrome. *Pediatr Crit Care Med*, 23(7), e319-e328.
 20. Crosby L, Rembert E, Levin S, Green A, Ali Z, Jardine M, Nguyen M, Elliott P, Goldstein D, Freeman A, Bradshaw M, Holtz DN, **Holubkov R**, Barnard ND, Kahleova H (2022). Changes in Food and Nutrient Intake and Diet Quality on a Low-Fat Vegan Diet Are Associated with Changes in Body Weight, Body Composition, and Insulin Sensitivity in Overweight Adults: A Randomized Clinical Trial.(Epub ahead of print). *J Acad Nutr Diet*.
 21. Chu J, Jensen H, **Holubkov R**, Krieger MD, Kulkarni AV, Riva-Cambrin J, Rozzelle CJ, Limbrick DD, Wellons JC, Browd SR, Whitehead WE, Pollack IF, Simon TD, Tamber MS, Hauptman JS, Pindrik J, Naftel RP, McDonald PJ, Hankinson TC, Jackson EM, Rocque BG, Reeder R, Drake JM, Kestle JRW, Hydrocephalus Clinical Research Network., Hydrocephalus Clinical Research Network Members . (2022). The Hydrocephalus Clinical Research Network quality improvement initiative: the role of antibiotic-impregnated catheters and vancomycin wound irrigation.(Epub ahead of print) *J Neurosurg Pediatr*, 1-8.
 22. Williams MA, Nagel SJ, Golomb J, Jensen H, Dasher NA, **Holubkov R**, Edwards RJ, Luciano MG, Zwimpfer TJ, Katzen H, Moghekar A, Wisoff JH, McKhann GM, Hamilton MG (2022). Safety and effectiveness of the assessment and treatment of idiopathic normal pressure hydrocephalus in the Adult Hydrocephalus Clinical Research Network.(Epub ahead of print) *J Neurosurg*, 1-13.
 23. Yates AR, Berger JT, Reeder RW, Banks R, Mourani PM, Berg RA, Carcillo JA, Carpenter T, Hall MW, Meert KL, McQuillen PS, Pollack MM, Sapru A, Notterman DA, **Holubkov R**, Dean JM, Wessel DL, Eunice Kennedy Shriver National Institute of Child Health and Human Development Collaborative Pediatric Critical Care Research Network. (2022). Characterization of Inhaled Nitric Oxide Use for Cardiac Indications in Pediatric Patients. *Pediatr Crit Care Med*, 23, 245-254.
 24. Ward SL, VanBuren JM, Richards R, **Holubkov R**, Alvey JS, Jensen AR, Pollack MM, Burd RS (2022). Evaluating the association between obesity and discharge functional status after pediatric injury.(Epub ahead of print). *J Pediatr Surg*.
 25. Kernan KF, Ghaloul-Gonzalez L, Vockley J, Lamb J, Hollingshead D, Chandran U, Sethi R, Park HJ, Berg RA, Wessel D, Pollack MM, Meert KL, Hall MW, Newth CJL, Lin JC, Doctor A, Shanley T, Cornell T, Harrison RE, Zuppa AF, Banks R, Reeder RW, **Holubkov R**, Notterman DA, Dean JM, Carcillo JA (2022). Prevalence of Pathogenic and Potentially Pathogenic Inborn Error of

- Immunity Associated Variants in Children with Severe Sepsis. *J Clin Immunol*, 42, 350-364.
26. Whitehead WE, Riva-Cambrin J, Wellons JC, Kulkarni AV, Limbrick DD, Wall VL, Rozzelle CJ, Hankinson TC, McDonald PJ, Krieger MD, Pollack IF, Tamber MS, Pindrik J, Hauptman JS, Naftel RP, Shannon CN, Chu J, Jackson EM, Browd SR, Simon TD, **Holubkov R**, Reeder RW, Jensen H, Koschnitzky JE, Gross P, Drake JM, Kestle JRW (2021). Anterior versus posterior entry site for ventriculoperitoneal shunt insertion: a randomized controlled trial by the Hydrocephalus Clinical Research Network.(Epub ahead of print) *J Neurosurg Pediatr*, 1-11.
 27. Riva-Cambrin J, Kulkarni AV, Burr R, Rozzelle CJ, Oakes WJ, Drake JM, Alvey JS, Reeder RW, **Holubkov R**, Browd SR, Cochran DD, Limbrick DD, Naftel R, Shannon CN, Simon TD, Tamber MS, McDonald PJ, Wellons JC, Luerssen TG, Whitehead WE, Kestle JRW (2021). Impact of ventricle size on neuropsychological outcomes in treated pediatric hydrocephalus: an HCRN prospective cohort study.(Epub ahead of print) *J Neurosurg Pediatr*, 1-12.
 28. Kahleova H, Berrien-Lopez R, Holtz D, Green A, Sheinberg R, Gujral H, **Holubkov R**, Barnard ND (2021). Nutrition for Hospital Workers During a Crisis: Effect of a Plant-Based Dietary Intervention on Cardiometabolic Outcomes and Quality of Life in Healthcare Employees During the COVID-19 Pandemic. *Am J Lifestyle Med*, 16(3), 399-407.
 29. Evans LL, Jensen AR, Meert KL, VanBuren JM, Richards R, Alvey JS, Carcillo JA, McQuillen PS, Mourani PM, Nance ML, **Holubkov R**, Pollack MM, Burd RS (2021). All body region injuries are not equal: Differences in pediatric discharge functional status based on Abbreviated Injury Scale (AIS) body regions and severity scores. *J Pediatr Surg*, 57, 739-746.
 30. Muszynski JA, Banks R, Reeder RW, Hall MW, Berg RA, Zuppa A, Shanley TP, Cornell TT, Newth CJL, Pollack MM, Wessel D, Doctor A, Lin JC, Harrison RE, Meert KL, Dean JM, **Holubkov R**, Carcillo JA, Eunice Kennedy Shriver National Institute of Child Health Human Development Collaborative Pediatric Critical Care Research Network (CPCCRN). (2021). Outcomes Associated with Early RBC Transfusion in Pediatric Severe Sepsis: A Propensity-Adjusted Multicenter Cohort Study. *Shock*, 57(1), 88-94.
 31. Suttle M, Hall MW, Pollack MM, Berg RA, McQuillen PS, Mourani PM, Sapru A, Carcillo JA, Startup E, **Holubkov R**, Notterman DA, Colville G, Meert KL, Eunice Kennedy Shriver National Institute of Child Health and Human Development Collaborative Pediatric Critical Care Research Network (CPCCRN). (2021). Post-Traumatic Growth in Parents following Their Child's Death in a Pediatric Intensive Care Unit. *J Palliat Med*, 25, 265-273.
 32. Burd RS, Jensen AR, VanBuren JM, Alvey JS, Richards R, **Holubkov R**, Pollack MM, Eunice Kennedy Shriver National Institute of Child Health and Human Development Collaborative Pediatric Critical Care Research Network Assessment of Functional Outcomes and Health-Related Quality of Life after Pediatric Trauma Investigators. (2021). Long-Term Outcomes after Pediatric Injury: Results of the Assessment of Functional Outcomes and Health-Related Quality of Life after Pediatric Trauma Study. *J Am Coll Surg*, 233(6), 666-675.e2.
 33. Jensen AR, Evans LL, Meert KL, VanBuren JM, Richards R, Alvey JS, **Holubkov R**, Pollack MM, Burd RS, Eunice Kennedy Shriver National Institute of Child Health and Human Development Collaborative Pediatric Critical Care Research Network (CPCCRN) Assessment of Health-Related Quality of Life and Functional Outcomes after Pediatric Trauma Project Investigators. (2021). Functional status impairment at six-month follow-up is independently associated with child physical abuse mechanism. *Child Abuse Negl*, 122, 105333.
 34. Zwimpfer TJ, Salterio N, Williams MA, **Holubkov R**, Katzen H, Luciano MG, Moghekar A, Nagel SJ, Wisoff JH, Golomb J, McKhann GM, Edwards RJ, Hamilton MG, Adult Hydrocephalus Clinical Research Network. (2021). Cognitive and gait outcomes after primary endoscopic third ventriculostomy in adults with chronic obstructive hydrocephalus. *J Neurosurg*, 136, 1-8.
 35. Isaacs AM, Ball CG, Sader N, Muram S, Ben-Israel D, Urbaneja G, Dronyk J, **Holubkov R**,

- Hamilton MG (2021). Reducing the risks of proximal and distal shunt failure in adult hydrocephalus: a shunt outcomes quality improvement study. *J Neurosurg*, 136, 1-10.
36. Pinto NP, Berg RA, Zuppa AF, Newth CJ, Pollack MM, Meert KL, Hall MW, Quasney M, Sapru A, Carcillo JA, McQuillen PS, Mourani PM, Chima RS, **Holubkov R**, Nadkarni VM, Reeder RW, Zimmerman JJ, Life After Pediatric Sepsis Evaluation (LAPSE) Investigators. (2021). Improvement in Health-Related Quality of Life After Community Acquired Pediatric Septic Shock. *Front Pediatr*, 9, 675374.
 37. Branch DW, VanBuren JM, Porter TF, Holmgren C, **Holubkov R**, Page K, Burchard J, Lam GK, Esplin MS (2021). Prediction and Prevention of Preterm Birth: A Prospective, Randomized Intervention Trial. *Am J Perinatol*, 40(10), 1071-1080.
 38. Strahle JM, Mahaney KB, Morales DM, Buddhala C, Shannon CN, Wellons JC 3rd, Kulkarni AV, Jensen H, Reeder RW, **Holubkov R**, Riva-Cambrin JK, Whitehead WE, Rozzelle CJ, Tamber M, Pollack IF, Naftel RP, Kestle JRW, Limbrick DD Jr, and for the Hydrocephalus Clinical Research Network. (2021). Longitudinal CSF Iron Pathway Proteins in Posthemorrhagic Hydrocephalus: Associations with Ventricle Size and Neurodevelopmental Outcomes. *Ann Neurol*, 90(2), 217-226.
 39. Kahleova H, McCann J, Alwarith J, Rembert E, Tura A, **Holubkov R**, Barnard ND (2021). A plant-based diet in overweight adults in a 16-week randomized clinical trial: The role of dietary acid load. *Clin Nutr ESPEN*, 44, 150-158.
 40. Burd RS, Jensen AR, VanBuren JM, Richards R, **Holubkov R**, Pollack MM, Eunice Kennedy Shriver National Institute of Child Health and Human Development Collaborative Pediatric Critical Care Research Network Assessment of Health-Related Quality of Life and Functional Outcomes After Pediatric Trauma Investigators., Berg RA, Carcillo JA, Carpenter TC, Dean JM, Gaines B, Hall MW, McQuillen PS, Meert KL, Mourani PM, Nance ML, Yates AR (2021). Factors Associated With Functional Impairment After Pediatric Injury. *JAMA Surg*, 156(8), e212058.
 41. Barnard ND, Kahleova H, Holtz DN, Del Aguila F, Neola M, Crosby LM, **Holubkov R** (2021). The Women's Study for the Alleviation of Vasomotor Symptoms (WAVS): a randomized, controlled trial of a plant-based diet and whole soybeans for postmenopausal women. *Menopause*, 28(10), 1150-1156.
 42. Ewing-Cobbs L, Montroy JJ, Clark AE, **Holubkov R**, Cox CS Jr, Keenan HT (2021). As Time Goes by: Understanding Child and Family Factors Shaping Behavioral Outcomes After Traumatic Brain Injury. *Front Neurol*, 12, 687740.
 43. Nunn AC, Jones HE, Morosanu CO, Singleton WGB, Williams MA, Nagel SJ, Luciano MG, Zwimpfer TJ, **Holubkov R**, Wisoff JH, McKhann GM 2nd, Hamilton MG, Edwards RJ (2021). Extended lumbar drainage in idiopathic normal pressure hydrocephalus: a systematic review and meta-analysis of diagnostic test accuracy. *Br J Neurosurg*, 35(3), 285-291.
 44. Barnard ND, Rembert E, Freeman A, Bradshaw M, **Holubkov R**, Kahleova H (2021). Blood Type Is Not Associated with Changes in Cardiometabolic Outcomes in Response to a Plant-Based Dietary Intervention. *J Acad Nutr Diet*, 121(6), 1080-1086.
 45. Suttle M, Hall MW, Pollack MM, Berg RA, McQuillen PS, Mourani PM, Sapru A, Carcillo JA, Startup E, **Holubkov R**, Dean JM, Nottterman DA, Meert KL (2021). The Association between Therapeutic Alliance and Parental Health Outcomes following a Child's Death in the Pediatric Intensive Care Unit. *J Pediatr Intensive Care*, 12(1), 3-11.
 46. Suttle M, Hall MW, Pollack MM, Berg RA, McQuillen PS, Mourani PM, Sapru A, Carcillo JA, Startup E, **Holubkov R**, Dean JM, Nottterman DA, Meert KL, Eunice Kennedy Shriver National Institute of Child Health and Human Development Collaborative Pediatric Critical Care Research Network (CPCCRN). (2021). Complicated Grief, Depression and Post-Traumatic Stress Symptoms Among Bereaved Parents following their Child's Death in the Pediatric Intensive Care Unit: A Follow-Up Study. *Am J Hosp Palliat Care*, 39, 10499091211015913.

47. Meert KL, Reeder RW, Maddux AB, Banks R, Berg RA, Newth CJ, Hall MW, Quasney M, Carcillo JA, McQuillen PS, Mourani PM, Chima RS, **Holubkov R**, Sorenson S, McGalliard J, Dean JM, Zimmerman JJ, Life After Pediatric Sepsis Evaluation (LAPSE) Investigators., following is a summary of LAPSE Performance Sites, Principal Investigators (PIs), Coinvestigators (CIs), Research Coordinators (RCs), and Allied Research Personnel. (2021). Health-Related Quality of Life After Community-Acquired Septic Shock in Children With Preexisting Severe Developmental Disabilities. *Pediatr Crit Care Med*, 22(5), e302-e313.
48. Suttle M, Hall MW, Pollack MM, Berg RA, McQuillen PS, Mourani PM, Sapru A, Carcillo JA, Startup E, **Holubkov R**, Dean JM, Notterman DA, Meert KL, Eunice Kennedy Shriver National Institute of Child Health and Human Development Collaborative Pediatric Critical Care Research Network (CPCCRN). (2021). Therapeutic Alliance Between Bereaved Parents and Physicians in the PICU. *Pediatr Crit Care Med*, 22(4), e243-e252.
49. Limbrick DD, Morales DM, Shannon CN, Wellons JC, Kulkarni AV, Alvey JS, Reeder RW, Freimann V, **Holubkov R**, Riva-Cambrin JK, Whitehead WE, Rozzelle CJ, Tamber M, Oakes WJ, Drake JM, Pollack IF, Naftel RP, Inder TE, Kestle JR, Hydrocephalus Clinical Research Network. (2021). Cerebrospinal fluid NCAM-1 concentration is associated with neurodevelopmental outcome in post-hemorrhagic hydrocephalus of prematurity. *PLoS One*, 16(3), e0247749.
50. Mah KE, Alten JA, Cornell TT, Selewski DT, Askenazi D, Fitzgerald JC, Topjian A, Page K, **Holubkov R**, Slomine BS, Christensen JR, Dean JM, Moler FW (2021). Acute kidney injury after in-hospital cardiac arrest. *Resuscitation*, 160, 49-58.
51. Keenan HT, Clark AE, **Holubkov R**, Cox CS Jr, Ewing-Cobbs L (2021). Trajectories of Children's Executive Function After Traumatic Brain Injury. *JAMA Netw Open*, 4(3), e212624.
52. Barnard ND, Alwarith J, Rembert E, Brandon L, Nguyen M, Goergen A, Horne T, do Nascimento GF, Lakkadi K, Tura A, **Holubkov R**, Kahleova H (2021). A Mediterranean Diet and Low-Fat Vegan Diet to Improve Body Weight and Cardiometabolic Risk Factors: A Randomized, Cross-over Trial. *J Am Coll Nutr*, 41, 1-13.
53. Kahleova H, Rembert E, Nowak A, **Holubkov R**, Barnard ND (2021). Effect of a diet intervention on cardiometabolic outcomes: Does race matter? A randomized clinical trial. *Clin Nutr ESPEN*, 41, 126-128.
54. Li W, Lipsky MS, Hon ES, Su W, Su S, He Y, **Holubkov R**, Sheng X, Hung M (2021). Predicting all-cause 90-day hospital readmission for dental patients using machine learning methods. *BDJ Open*, 7(1), 1.
55. Pollack MM, Banks R, **Holubkov R**, Meert KL, and the Eunice Kennedy Shriver National Institute of Child Health and Human Development Collaborative Pediatric Critical Care Research Network. (2021). Long-Term Outcome of PICU Patients Discharged With New, Functional Status Morbidity. *Pediatr Crit Care Med*, 22(1), 27-39.
56. Tamber MS, Kestle JRW, Reeder RW, **Holubkov R**, Alvey J, Browd SR, Drake JM, Kulkarni AV, Limbrick DD, McDonald PJ, Rozzelle CJ, Simon TD, Naftel R, Shannon CN, Wellons JC, Whitehead WE, Riva-Cambrin J, Hydrocephalus Clinical Research Network. (2020). Temporal trends in surgical procedures for pediatric hydrocephalus: an analysis of the Hydrocephalus Clinical Research Network Core Data Project. *J Neurosurg Pediatr*, 27, 1-8.
57. Hauptman JS, Kestle J, Riva-Cambrin J, Kulkarni AV, Browd SR, Rozzelle CJ, Whitehead WE, Naftel RP, Pindrik J, Limbrick DD, Drake J, Wellons JC, Tamber MS, Shannon CN, Simon TD, Pollack IF, McDonald PJ, Krieger MD, Chu J, Hankinson TC, Jackson EM, Alvey JS, Reeder RW, **Holubkov R**, Hydrocephalus Clinical Research Network. (2020). Predictors of fast and ultrafast shunt failure in pediatric hydrocephalus: a Hydrocephalus Clinical Research Network study. *J Neurosurg Pediatr*, 27, 1-10.
58. Kahleova H, Petersen KF, Shulman GI, Alwarith J, Rembert E, Tura A, Hill M, **Holubkov R**,

- Barnard ND (2020). Effect of a Low-Fat Vegan Diet on Body Weight, Insulin Sensitivity, Postprandial Metabolism, and Intramyocellular and Hepatocellular Lipid Levels in Overweight Adults: A Randomized Clinical Trial. *JAMA Netw Open*, 3(11), e2025454.
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- 2017 Holubkov R, Greene T, Morrison-de Boer L, Telford R, Bardsley T, McFadden M, Peterson A, Pacchia C, Yearley J, Snyder A. Design and coordination of the DECAAF II randomized international trial. 4th International Clinical Trials Methodology Conference (ICTMC) and the 38th Annual Meeting of the Society for Clinical Trials. Liverpool, United Kingdom

- 2001 Holubkov R, Karas RH, Pepine CJ, et al. Large brachial artery diameter is associated with angiographic CAD in women: a report from the NHLBI Women's Ischemia Syndrome Evaluation (WISE). Presented at the American College of Cardiology Scientific Sessions, New Orleans, LA

ORAL PRESENTATIONS

Meeting Presentations

International

- 2017 Holubkov R, Clark A, Atz AM, Glidden D, Slomine BS, Christensen JR, Webster A, Page K, Dean JM. DSMB monitoring of the therapeutic hypothermia after pediatric cardiac arrest (THAPCA) trials 4th International Clinical Trials Methodology Conference (ICTMC) and the 38th Annual Meeting of the Society for Clinical Trials. Liverpool, United Kingdom
- 1997 Holubkov R, Zenati M, Akin JJ, Courcoulas A. MIDCAB characteristics and results: the CardioThoracic Systems (CTS) registry. Presented at the World Congress on Minimally Invasive Cardiac Surgery, Paris, France, (poster presentation including a limited oral component).
- 1995 Holubkov R, Holt VL, Connell FA, LoGerfo JP. Analysis, comparison, and presentation of sparse outcome data by institution. Presented at the 1995 International Conference on Health Policy Research, Boston, MA

National

- 1996 Holubkov R, Yeh W, Kelsey SF, Detre KM. A Dynamic Approach to Recruiting Patients in a registry of coronary interventions. Presented at the Society for Clinical Trials Meetings, Pittsburgh, PA
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