

Tellen D. Bennett, MD, MS

PERSONAL STATEMENT	I am a pediatric ICU physician and informaticist with research concentrations in critical care decision-making, high-dimensional prediction modeling, electronic health record data, and clinical decision support (CDS) tool implementation. I am board-certified in Pediatrics, Pediatric Critical Care Medicine, and Clinical Informatics and I completed a post-doctoral fellowship in Biomedical Data Science. I have been continuously NIH-funded since 2011. My group studies multiple clinical domains including sepsis, traumatic brain injury, and respiratory failure.	
CURRENT POSITION	Professor with Tenure Department of Biomedical Informatics, University of Colorado School of Medicine Professor with Tenure, Pediatric Critical Care (secondary) Department of Pediatrics, University of Colorado School of Medicine	July 2023 to present
	Vice Chair for Clinical Informatics Department of Biomedical Informatics, University of Colorado School of Medicine	July 2022 to present
	Professor, Biostatistics and Informatics (secondary) Colorado School of Public Health	July 2018 to present
	Attending Physician, Pediatric Intensive Care Unit Children's Hospital Colorado 6-7 weeks and 16-18 nights per year	July 2014 to present
CONTACT INFORMATION	1890 N. Revere Court Campus Mail F443 Aurora, CO 80045	C (206) 310-1374 tell.bennett@protonmail.com
EDUCATION	Rice University , Houston, TX B.A., Biology and History	May 1997
	Johns Hopkins University School of Medicine M.D., Medicine	June 2001
	University of Washington/Seattle Children's Hospital Residency, Pediatrics	2001-2004
	University of Washington/Seattle Children's Hospital Fellowship, Pediatric Critical Care	2006-2009
	University of Washington School of Public Health M.S., Epidemiology	June 2009
	University of Colorado School of Medicine Post-Doctoral Fellow, Biomedical Data Science	Sep 2017-Aug 2019
	Children's Hospital Colorado Physician Leadership Development Program	2020-2022

ACADEMIC APPOINTMENTS	Clinical Instructor, Pediatrics	2004-2006
	University of Washington School of Medicine, Seattle, WA	
	Instructor, Pediatric Critical Care	2009-2011
	University of Utah School of Medicine, Salt Lake City, UT	
	Assistant Professor, Pediatric Critical Care	2011-2014
	University of Utah School of Medicine, Salt Lake City, UT	
	Assistant Professor, Pediatric Critical Care	2014-2016
University of Colorado School of Medicine, Aurora, CO		
Associate Professor, Pediatric Critical Care	2016-2019	
University of Colorado School of Medicine, Aurora, CO		
Associate Professor and Section Head, Informatics and Data Science	2019-2022	
Department of Pediatrics, University of Colorado School of Medicine, Aurora, CO		
Associate Professor and Vice Chair for Clinical Informatics	2022-2023	
Department of Biomedical Informatics, University of Colorado School of Medicine, Aurora, CO		
HOSPITAL POSITIONS	Attending Physician, Pediatrics	2004-2006
	Seattle Children's Hospital, Seattle, WA	
	Staff Physician, Infant Ground Transport Team	2004-2005
	Seattle Children's Hospital, Seattle, WA	
	PALS Instructor	2004-2009
	Seattle Children's Hospital, Seattle, WA	
	Attending Physician, Pediatrics	2005-2006
Evergreen Hospital and Medical Center, Kirkland, WA		
Attending Physician, Pediatrics	2008-2009	
Kadlec Medical Center, Richland, WA		
Attending Physician, Pediatric Intensive Care Unit	2009-2014	
Primary Children's Hospital, Salt Lake City, UT		
HONORS AND AWARDS	Johns Hopkins University School of Medicine	
	• Henry Seidel Scholarship for Primary Care	2000-2001
	• Harrison Award for Excellence in Clinical Pediatrics	2001
	• <i>Alpha Omega Alpha</i>	2001
	University of Washington/Seattle Children's Hospital	
• Alberta Corkery Fellowship Travel Award	May 2008	
University of Utah School of Medicine		

- Pediatric Clinical and Translational Research Scholar 2011-2013
 - Pediatric Critical Care Colloquium Abstract Award 2012
for “Ability to Provide CPP-Directed therapy Results in More Aggressive Care and Less Mortality in a Large Cohort of Children with Traumatic Brain Injury” by Dixon RR, Korgenski K, **Bennett TD**, Bratton SL.
 - Society for Critical Care Medicine Abstract Scholarship Award 2013
for “Extracorporeal Membrane Oxygenation: Does Center Volume Affect Mortality?” by Freeman CL, **Bennett TD**, Casper TC, Larsen GY, Hubbard A, Wilkes J, Bratton SL.
 - Manuscript named in “What’s New in Pediatric Rehabilitation: 10 Articles You Shouldn’t Miss” at the 2013 American Academy of Physical Medicine and Rehabilitation Annual Meeting 2013
for “Initiation of Physical, Occupational, and Speech Therapy in Children With Traumatic Brain Injury” by **T. D. Bennett**, C. M. Niedzwecki, E. K. Korgenski, and S. L. Bratton.
 - Jack Emerson Award for Resident Research Presentation 2014
Conference on High Frequency Ventilation of Infants, Children and Adults
for “Use of High Frequency Percussive Ventilation and High Frequency Oscillatory Ventilation in the PICU” by Tawfik DS, **Bennett TD**, Welch B, Poss WB.
 - Elected to Society for Pediatric Research 2014
- University of Colorado School of Medicine
- Manuscript selected for JAMA Pediatrics Journal Club 2017
for “Functional Outcome After Intracranial Pressure Monitoring for Children With Severe Traumatic Brain Injury”; **T. D. Bennett**, P. E DeWitt, T. H. Greene, et al. *JAMA Pediatr.*
 - Visiting Professor, Safar Center for Resuscitation Research 2018
University of Pittsburgh, Pittsburgh, PA
 - Society for Critical Care Medicine Gold Snapshot Award 2020
for “Predicting Serious Bacterial Infection at PICU Admission” by Martin B (fellow trainee), **Bennett TD**
 - NICHD Director’s Collaboration Award 2021
for service on the COVID-19 Common Data Elements Working Groups

- Society for Critical Care Medicine STAR Research Achievement Award 2022
for “Characteristics and Outcomes of 728,047 Children in the National COVID Cohort Collaborative (N3C)” by Martin B (mentee) et al.
- Society for Critical Care Medicine STAR Research Achievement Award 2022
for “Acute Kidney Injury and SARS-CoV-19 in Children: Data from the National COVID Cohort Collaborative” by Dziorny A (mentee) et al.
- CU Anschutz Medical Campus Outstanding Dissertation Award 2022
for “Learning Deep Translational Patient Representations: Systematic Integration of Clinical Records and Biomedical Knowledge” by Callahan T (mentee)
- Visiting Professor 2022
Nationwide Children’s Hospital/Ohio St. University, Columbus, OH
- Patient-Family Experience Award 2022
Children’s Hospital Colorado
- Visiting Professor 2023
Children’s Hospital of Richmond/Virginia Commonwealth University, Richmond, VA
- Society for Critical Care Medicine STAR Research Award 2024
for “The Increasing Incidence of Invasive Bacterial Infections During the COVID-19 Pandemic” by Martin B (mentee) et al.
- Society for Critical Care Medicine “Best of SCCM Congress” Award 2024
for “Development and Validation of the Phoenix Pediatric Sepsis Criteria”

PROFESSIONAL ORGANIZATIONS	American Academy of Pediatrics	2001-present
	American Academy of Pediatrics - Section on Critical Care	2006-present
	Pediatric Acute Lung Injury and Sepsis Investigators (PALISI)	2009-present
	Scientific Steering Committee	2016-2018
	Pediatric Existing Data Analysis (PEDAL) subgroup of PALISI	2013-present
	Founding Chair	2013-2018
	Pediatric Neurocritical Care Research Group	2014-present
	Scientific Review Chair	2016-2018
	Society of Critical Care Medicine	2006-present
	Society of Critical Care Medicine - Pediatrics Section	2006-present
	Society for Pediatric Research	2014-present
	American Medical Informatics Association	2017-present
Intensive Care Informatics Working Group	2017-present	

SERVICE AT PREVIOUS INSTITUTIONS

Institution

- Senior Interviewer 1996-1997
Rice University
- Interviewer, Rice Alumni Volunteers for Admission 2006-2014
Rice University

School of Medicine

- Educational Policy Committee 1997-2001
Johns Hopkins University School of Medicine

Department

- Intern Selection Committee 2003-2004
University of Washington Department of Pediatrics
- Investigator, Utah PHIS Users Group 2011-2013
University of Utah Department of Pediatrics
- National Database Data Steward 2011-2014
University of Utah Department of Pediatrics

Hospital

- Computerized Physician Order Entry Committee 2002-2003
Seattle Children's Hospital
- Chair, ICU Handoff Committee 2010-2012
Primary Children's Hospital

SERVICE AT
UNIVERSITY OF
COLORADO

Anschutz Medical Campus/School of Medicine

- Investigator 2014-present
Adult and Child Consortium for Outcomes Research and Delivery Science
- Biostatistician Recruitment Committee 2014-2016
Adult and Child Consortium for Outcomes Research and Delivery Science
- Director, Data Science Program 2016-2022
Adult and Child Consortium for Outcomes Research and Delivery Science
Formerly the Analytics Core of the CU Data Science to Patient Value (D2V) program
- Associate Director, Informatics Core 2018-2019
Colorado Clinical and Translational Sciences Institute (CCTSI)
- Director, Informatics Core 2019-2024
Colorado Clinical and Translational Sciences Institute (CCTSI)
- Member, Scientific Advisory Board 2018-2021
Health Data Compass
- Chair, Planning Committee 2019
CCTSI CU-CSU Annual Summit
AI and Machine Learning in Biomedical Research
- Member, Steering Committee 2019-present
Health Data Compass
- Member, Enterprise Research Computing Systems Committee 2019-2021
CU Anschutz Medical Campus
- Member, Faculty Search Committee (x 2) 2021-2022
Center for Health Artificial Intelligence

- Chair, Faculty Search Committee
Department of Biomedical Informatics 2022-2023
- Member, Faculty Search Committee
Department of Biomedical Informatics 2023-2024
- Member, Faculty Search Committee
Section of Pediatric Critical Care, Department of Pediatrics 2023-2024
- Member, Faculty Search Committee
Department of Biomedical Informatics 2024-2025

Department of Pediatrics

- Pediatric Critical Care Fellowship Curriculum Committee 2015-2017
- Pediatric Critical Care Fellowship Recruitment Committee 2015-2017
- Pediatric Critical Care Clinical and Translational Research Director
Search Committee 2022-2023

Department of Biomedical Informatics

- Department Planning Committee 2021-2022
- Department Leadership Committee 2022-present
- Department Evaluation and Award Committee 2024-present

Children's Hospital Colorado

- Neurocritical Care Leadership Committee 2016-2018
- Traumatic Brain Injury Clinical Pathway Committee 2017-2019
- Phase 1 Campus Connectivity Work Group 2019
CHCO-CU Anschutz Child Health Research Enterprise Planning Initiative
- Phase 2 Sequencing and Synthesis Work Group 2019
CHCO-CU Anschutz Child Health Research Enterprise Planning Initiative

UCHealth

- Clinical Intelligence Steering Committee 2020-present

LICENSURE AND BOARD CERTIFICATION

Board Certification

- American Board of Pediatrics (Pediatrics)
Recertified 2014 2004-present
- American Board of Pediatrics (Pediatric Critical Care) 2010-present
- American Board of Preventive Medicine (Clinical Informatics) 2019-present

State Certification

- State License (WA) - Physician 2001-2010
- State License (UT) - Physician 2009-2016
- State License (CO) - Physician 2014-present

PATENTS

None

REVIEW AND REFEREE WORK

Editorial Boards

- Associate Editor 2021-present
Pediatric Critical Care Medicine

Study Sections

- Grant Review Committee 2015
Colorado Brain Injury Program
- Study Section Member 2016
PCORI Initiative on Health Plan/System Data Partnerships
- Study Section Member 2017, 2018
CU Data Science to Patient Value (D2V) Pilot Grant Study Section
- Study Section Member 2017
Children's Hospital Colorado Research Institute Research Scholar program
- External Reviewer 2017
Institute for Data Valorisation, Montreal, Canada
- Study Section Member 2018
PCORI Partnerships To Conduct Research within PCORnet
- Study Section Member 2018
Colorado Clinical and Translational Sciences Institute (CCTSI) pre-K review program
- Study Section Member 2019
Colorado Clinical and Translational Sciences Institute (CCTSI) KL2 review program
- Study Section Member 2019
Colorado Clinical and Translational Sciences Institute (CCTSI) COVID-19 Pilot review program
- Study Section Member 2020
Department of Defense Psychological Health and Traumatic Brain Injury Research Program
- Study Section Member 2020
NIH/NINDS Special Emphasis Panel ZNS1 SRB-N (23) for Traumatic Brain Injury Center Without Walls
- Study Section Member 2020
PCORI Panel for Conducting Rare Disease Research Using PCORnet
- Study Section Member 2021
NIH Neurological Sciences and Disorders-C (NSD-C) Translational Neural Devices
- External Reviewer 2022
UK National Institute for Health Research Biomedical Research Centres Competition
- Study Section Member 2022
PCORI Addressing Disparities Merit Review Panel
- Study Section Member 2022
NIH SBIR/STTR Health Informatics
- Study Section Member 2023
Colorado Clinical and Translational Sciences Institute (CCTSI) Child Maternal Health Pilot Grant review program
- Study Section Member 2024
NIH Clinical Data Management and Analysis (CDMA)

Ad Hoc Reviewer - Meetings

- Abstract Reviewer 2010
Utah Health Services Research Conference

- Abstract Reviewer, Critical Care and Epidemiology
Pediatric Academic Societies Annual Meeting 2015, 2017
- Poster Judge 2015
Society for Epidemiologic Research Annual Meeting
- Abstract Reviewer 2018-2023
American Medical Informatics Association Annual Symposium
- Abstract Reviewer 2019-2023
American Medical Informatics Association Summit

Ad Hoc Reviewer - Journals

- *Academic Emergency Medicine*
- *Accident Analysis and Injury Prevention*
- *American Journal of Managed Care*
- *American Journal of Respiratory and Critical Care Medicine*
- *Applied Clinical Informatics*
- *Archives of Physical Medicine and Rehabilitation*
- *Artificial Intelligence in Medicine*
- *BioData Mining*
- *BMC Medical Informatics and Decision Making*
- *BMJ Open*
- *Critical Care Explorations*
- *Critical Care Forum*
- *Critical Care Medicine*
- *Critical Care Nurse*
- *Hospital Pediatrics*
- *JAMA Network Open*
- *JAMA Pediatrics*
- *Journal of the American Medical Informatics Association*
- *Journal of the American Medical Informatics Association Open*
- *Journal of Child Neurology*
- *Journal of Neurotrauma*
- *Journal of Pediatrics*
- *Journal of the Pediatric Infectious Disease Society*
- *Journal of Pediatric Intensive Care*
- *Journal of Pediatric Surgery*
- *Journal of Rheumatology*
- *Lancet*
- *Lancet Infectious Diseases*
- *Nature Digital Medicine*
- *Pediatric Critical Care Medicine*
- *Pediatric Emergency Care*
- *Pediatric Neurosurgery*
- *Pediatrics*
- *PLOS One*
- *Scientific Data*

- Existing Data Analysis in Pediatric Critical Care
Pediatric Acute Lung Injury and Sepsis Investigators
Biannual Meeting Mar 2013
- Pediatric Existing Data Analysis (PEDAL) Subgroup Update
Pediatric Acute Lung Injury and Sepsis Investigators
Biannually Oct 2013-Mar 2018 2013-2018
- Invited Panelist
Navigating Career Development Awards:
Best Practices from the CTSA Child Health Oversight Committee
Pediatric Academic Societies Annual Meeting May 2014
- Moderator
Critical Care Platform session
Pediatric Academic Societies Annual Meeting April 2015
- Moderator
Pediatric Neurocritical Care Breakfast Corner
Neurocritical Care Society Annual Meeting September 2016
- Session Chair
Phenotype and Event Prediction
American Medical Informatics Association Annual Symposium November 2018
- Invited Panelist
Big Data Panel
Pediatric Acute Lung Injury and Sepsis Investigators Biannual Meeting Mar 2019
- Invited Speaker
Big Data in Pediatric TBI Research
Annual Symposium of the National Neurotrauma Society July 2019
- Invited Speaker
The Pediatric ICU Data Collaborative
International Conference on Complex Acute Illness Sept 2019
- Invited Speaker
Pediatric ICU Data Science
American Academy of Pediatrics National Congress and Exhibition Oct 2019
- Invited Speaker
COVID-19: Accelerating Real-Time Electronic Data Capture
for Tracking, Learning, and Improvement
Council of Medical Specialty Societies Jul 2020
- Invited Speaker
Collaborative Analytics Seminar Series
National COVID Cohort Collaborative (N3C) Dec 2020
- Invited Speaker
Community Forum
National COVID Cohort Collaborative (N3C) Sept 2021
- Invited Speaker
Annual Congress
Society for Critical Care Medicine Feb 2022
- Invited Speaker
Dynamics and Data Assimilation, Physiology and Bioinformatics:
Mathematics at the Interface of Theory and Clinical Application May 2022

- Banff International Research Station
 - Invited Speaker July 2022
AI and Machine Learning for Clinical Prediction
Biannual Congress
World Federation of Pediatric and Intensive Critical Care Societies
 - Invited Speaker Jan 2024
Development and Validation of the Phoenix Sepsis Criteria
Society for Critical Care Medicine Annual Congress
 - Invited Speaker Mar 2024
New Phoenix Pediatric Sepsis Criteria
OPENPediatrics Podcast
 - Invited Speaker Apr 2024
Gauging New Guidance for Sepsis
Charting Pediatrics Podcast
- National
- Sweet and Salty: Electrolyte Disturbances in Pediatric Transport 2011
Current Concepts in Neonatal and Pediatric Transport
Annual Meeting
 - Maintaining Balance: Cardiopulmonary Interactions 2012
Current Concepts in Neonatal and Pediatric Transport
Annual Meeting
 - Shades of Gray: Pediatric X-ray Case Studies 2013
Current Concepts in Neonatal and Pediatric Transport
Annual Meeting
 - ICP Monitoring in Pediatric TBI 2013
Pediatric Critical Care and Trauma Scientist Development Program
Annual Retreat
 - ICU Care of the Head Injured Child 2014
Colorado Pediatric Trauma Conference
 - Effectiveness of ICP Monitoring in Pediatric TBI 2014
Pediatric Critical Care and Trauma Scientist Development Program
Annual Retreat
 - PEDALFAST: PEDiatric vALidation of vAriableS in TBI 2015
Pediatric Critical Care and Trauma Scientist Development Program
Annual Retreat
 - Effectiveness of ICP Monitoring in Pediatric TBI 2016
Pediatric Critical Care and Trauma Scientist Development Program
Annual Retreat
 - Invited Speaker 2017
Data Sharing and Secondary Use of Clinical Study Data
NICHD Collaborative Pediatric Critical Care Research Network
Steering Committee Meeting
 - Decision Making about ICP Monitoring in Pediatric TBI 2017
Pediatric Critical Care and Trauma Scientist Development Program
Annual Retreat
 - Invited Speaker 2018
Biostatistics and Data Science: Complementary Roles

- Annual Meeting of the Association for Clinical and Translational Science
- Invited Speaker 2018
In the Absence of Equipose: ICP Monitoring in Pediatric TBI
Safar Center for Resuscitation Research, University of Pittsburgh
- Invited Speaker 2019
High-risk ICU Clinical Decision Support: Challenges and Opportunities
Department of Biomedical Informatics, University of Washington
- Invited Speaker 2020
OMOP in the Real World: the National COVID Cohort Collaborative (N3C)
Colorado One Health Alliance 2020 Data Sharing Workshop
- Invited Speaker 2020
Characterization of the The National COVID Cohort Collaborative (N3C) Cohort
NIH CTSA Program Fall Meeting - Session on COVID-19 Response
- Invited Speaker 2020
Project 5/Jumpstart Program for COVID-19 Response
U.S. National Institutes of Health
- Invited Speaker 2021
Director's Science Friday Seminar
U.S. National Institute of Child Health and Human Development
- Invited Speaker 2021
Annual Symposium
Linda Crnic Institute for Down Syndrome Research
- Invited Speaker 2021
Pediatric COVID-19 Interagency Group
U.S. Department of Health and Human Services
- Invited Speaker 2022
NIH Pediatric Research Consortium (N-PeRC) COVID-19 Subgroup
U.S. Department of Health and Human Services
- Invited Speaker 2022
Clinical Spectrum of PASC: Focus on Pediatrics, including MIS-C
RECOVER R3 Seminar
U.S. National Institutes of Health
- Invited Speaker 2022
Director's Science Friday Seminar
U.S. National Institute of Child Health and Human Development
- Invited Speaker 2022
COVID-19 and PASC in the National COVID Cohort Collaborative
RECOVER Pediatric Cohort PI Meeting
U.S. National Institutes of Health
- Invited Speaker 2022
Pediatric COVID-19 and PASC in the National COVID Cohort Collaborative
CTSA Program Webinar
U.S. National Center for Advancing Translational Sciences
- Invited Speaker 2022
Machine Learning for Real-Time Clinical Intelligence: Opportunities and Challenges
Nationwide Children's Hospital
- Invited Speaker 2023
Director's Science Friday Seminar

	U.S. National Institute of Child Health and Human Development	
	• Invited Moderator	2023
	Exploring the Future of Pediatric Critical Care	
	Virtual PICU and Pediatric Data Collaborative Conference	
	• Invited Speaker	2023
	Machine Learning for Real-Time Clinical Intelligence: Opportunities and Challenges	
	Children's Hospital of Richmond/VCU	
	• Invited Speaker	2023
	Computational Tools to Improve the Care of Children with TBI	
	Children's Hospital of Richmond/VCU	
	• Invited Speaker	2024
	Transforming Geriatric Care with AI: Opportunities and Challenges	
	Rocky Mountain Geriatrics Conference	
INVITED	• Hyperosmolar and Surgical Therapy for Pediatric TBI	2010
INTRAMURAL	Pediatric Trauma Research and Education	
PRESENTATIONS	Primary Children's Hospital, Salt Lake City, UT	
	• Osmolar Therapy for Pediatric TBI	2010
	Intermountain Injury Control and Research Center	
	University of Utah School of Medicine, Salt Lake City, UT	
	• Using PHIS for Clinical Research	2011
	Pediatric Clinical and Translational Research Scholars Conference	
	University of Utah School of Medicine, Salt Lake City, UT	
	• Effectiveness of ICP Monitoring in Pediatric TBI	2012
	Intermountain Injury Control and Research Center	
	University of Utah School of Medicine, Salt Lake City, UT	
	• ICP Monitoring in Pediatric TBI: An application of	2013
	record linkage and comparative effectiveness research methods	
	Intermountain Injury Control and Research Center	
	University of Utah School of Medicine, Salt Lake City, UT	
	• Effectiveness of ICP Monitoring in Pediatric TBI	2015
	ACCORDS Research Seminar	
	Anschutz Medical Campus, Aurora, CO	
	• NIH K Award Panel Member	2016
	ACCORDS Post-doctoral Fellow Program	
	Anschutz Medical Campus, Aurora, CO	
	• Data Linkage	2016
	ACCORDS Big Data Workshop	
	Anschutz Medical Campus, Aurora, CO	
	• Panel Member, Big Data Management	2016
	ACCORDS Big Data Workshop	
	Anschutz Medical Campus, Aurora, CO	
	• Panel Member, New Research Technologies and Innovation	2017
	Research Informatics	
	Children's Hospital Colorado Research Symposium	
	Anschutz Medical Campus, Aurora, CO	
	• Data Science on the Anschutz Campus: Opportunities for Pediatric Research	2017

- Children's Hospital Colorado Research Symposium
Anschutz Medical Campus, Aurora, CO
- In the Absence of Equipose: ICP Monitors in Pediatric TBI 2018
Department of Biostatistics and Informatics Seminar
Colorado School of Public Health, Aurora, CO
- Methods and Tools for Time-Critical Clinical Decision Support 2018
Computational Bioscience Program Seminar
Anschutz Medical Campus, Aurora, CO
- Computable Phenotypes to Risk-Stratify Patients in EHRs in Real-time 2019
TICR High-Performance Computing Informatics Mini-Symposium
Anschutz Medical Campus, Aurora, CO
- Informatics and Data Science to Improve Child Health 2021
Grand Rounds
University of Colorado Department of Pediatrics, Aurora, CO
- Clinical Data Science During a Pandemic and Beyond 2021
Computational Biosciences Program Seminar
Anschutz Medical Campus, Aurora, CO
- Informatics and Data Science in the COVID-19 Pandemic Response 2021
Big Data Seminar Series
Colorado School of Public Health, Aurora, CO
- How Machine Learning can Help Clinicians Better Diagnose and Treat Sepsis 2024
Transforming Healthcare
Anschutz Medical Campus, Aurora, CO
- AI, ML, and the New Way to Diagnose Pediatric Sepsis 2024 Board of Directors Meeting
Children's Hospital Colorado, Aurora, CO
- AI, ML, and Pediatric Sepsis 2024
CCTSI CU-CSU Annual Summit
Anschutz Medical Campus, Aurora, CO
- Development of the Phoenix Pediatric Sepsis Criteria: 2024
A Data Driven Delphi Process (presentation by P. DeWitt, PhD)
Biostatistics and Informatics, Colorado School of Public Health
Anschutz Medical Campus, Aurora, CO

TEACHING
RECORD

International Teaching

- Invited Instructor (twice each year) 2019 - 2023
Clinical Research Course
Pediatric Acute Lung Injury and Sepsis Investigators Biannual Meeting
- Co-Director Sept 2019, Mar 2020
Clinical Research Course
Pediatric Acute Lung Injury and Sepsis Investigators Biannual Meeting

Anschutz Medical Campus Graduate Program Faculty

- Computational Biosciences Program 2021-present
University of Colorado School of Medicine
- Biostatistics (secondary) 2017-present
Colorado School of Public Health

- Bioengineering (secondary) 2020-present
University of Colorado Denver College of Engineering, Design, and Computing

Guest Lectures

- pccc: R package for pediatric complex chronic disease classification 2017
BIOS 6160, Data Science using R and Python
- Clinical Prediction Modeling 2018
BSBT 6310, Clinical Research Informatics
- In the Absence of Equipoise 2018
CLSC 7202, Clinical Outcomes and Applications

Clinical Teaching

- Supervision and Bedside Teaching as Hospitalist and ED attending 2004-2006
Seattle Children's Hospital, Seattle, WA
- Supervision and Bedside Teaching as PICU fellow 2006-2009
Seattle Children's Hospital, Seattle, WA
- Supervision and Bedside Teaching as PICU attending 2009-2014
Primary Children's Hospital, Salt Lake City, UT
- Supervision and Bedside Teaching as PICU attending 2014-present
Children's Hospital Colorado, Aurora, CO
- Nominee for Pediatric Critical Care Fellow's Teaching Award 2019
Children's Hospital Colorado, Aurora, CO

Community

- Pediatric Advanced Life Support (PALS) Instructor 2004-2009

House Officers

- Obstructive Lung Disease 2006
Pediatric Critical Care Medicine Division Lecture Series
University of Washington School of Medicine, Seattle, WA
- Status Asthmaticus, given Monthly 2006-2009
PICU Resident Lecture Series
University of Washington School of Medicine, Seattle, WA
- Adrenal Insufficiency 2007
Pediatric Critical Care Medicine Division Lecture Series
University of Washington School of Medicine, Seattle, WA
- Pressure-limited Mechanical Ventilation 2008
Pediatric Critical Care Medicine Division Lecture Series
University of Washington School of Medicine, Seattle, WA
- Biostatistics 2008
Pediatric Critical Care Medicine Division Lecture Series
University of Washington School of Medicine, Seattle, WA
- Pediatric Board Preparation, PICU topics 2010
University of Utah School of Medicine, Salt Lake City, UT
- Clinical Pulmonary Mechanics 2010
Pediatric Critical Care Medicine Division Lecture Series
University of Utah School of Medicine, Salt Lake City, UT

- ICU Toxicology, Annually 2010, 2012
Pediatric Critical Care Medicine Division Lecture Series
University of Utah School of Medicine, Salt Lake City, UT
- Ventilator Waveform Analysis, Annually 2010-2013
Pediatric Critical Care Medicine Division Lecture Series
University of Utah School of Medicine, Salt Lake City, UT
- Traumatic Brain Injury 2014
Pediatric Critical Care Medicine Division Lecture Series
University of Colorado School of Medicine, Aurora, CO
- Introduction to Traumatic Brain Injury 2015
Pediatric Critical Care Medicine Division Lecture Series
University of Colorado School of Medicine, Aurora, CO
- Clinical Care of Pediatric TBI: Fellow Debates, Annually 2015-present
Pediatric Critical Care Medicine Division Lecture Series
University of Colorado School of Medicine, Aurora, CO
- Data Management Mini-Course 2017
Pediatric Critical Care Medicine
University of Colorado School of Medicine, Aurora, CO
- Speed Mentoring Mentor 2017
Kempe Center Graduate Summer Session
University of Colorado School of Medicine, Aurora, CO

Nursing

- Renal Failure in the ICU 2007
PICU Nursing Curriculum, Seattle Children's Hospital
- Single Ventricle Physiology 2008
Cardiac ICU Nursing Curriculum, Seattle Children's Hospital
- RBC Transfusion in Critically Ill Children: 2010
The Elusive Transfusion Threshold
Advanced Metabolic Module, PICU Nursing Education
Primary Children's Hospital, Salt Lake City, UT
- Respiratory Anatomy and Physiology 2012
Advanced Respiratory Module, PICU Nursing Education
Primary Children's Hospital, Salt Lake City, UT
- Pediatric Chest Radiograph Interpretation 2013
Advanced Respiratory Module, PICU Nursing Education
Primary Children's Hospital, Salt Lake City, UT

Faculty

- Osmolar Therapy for Pediatric TBI 2010
Department of Pediatrics Research In Progress
University of Utah School of Medicine, Salt Lake City, UT
- Effectiveness of ICP Monitoring in Pediatric TBI 2012
Department of Pediatrics Research In Progress
University of Utah School of Medicine, Salt Lake City, UT
- Effectiveness of ICP Monitoring in Pediatric TBI: an update 2013
Department of Pediatrics Research In Progress
University of Utah School of Medicine, Salt Lake City, UT

- ICU Care of the Child with TBI: the APP Role 2017
 PICU Advanced Practice Provider Education Series
 Children's Hospital Colorado, Aurora, CO

Mentees: Junior Faculty

- Aline Maddux, MD 2016-present
 Role: Co-mentor
 Funding: Parker B. Francis Career Development Award, NIH K23 and R21
Trainee's Current Career Activities: Associate Professor, Pediatric Critical Care
 University of Colorado School of Medicine
- Fuyong Xing, PhD 2017-2020
 Role: clinical informatics mentor
 Funding: NIH R21
Trainee's Current Career Activities: Assistant Professor, Biostatistics and Informatics
 Colorado School of Public Health
- James Feinstein, MD 2017-2020
 Role: Secondary mentor
 Funding: NIH K23 and R01
Trainee's Current Career Activities: Professor, General Pediatrics
 University of Colorado School of Medicine
- Seth Russell, MS 2017-present
 Roles: supervisor, mentor
Trainee's Current Career Activities: Research Assistant Professor, Biomedical Informatics
 University of Colorado School of Medicine
- Peter DeWitt, PhD 2019-present
 Roles: supervisor, mentor
Trainee's Current Career Activities: Research Assistant Professor, Biomedical Informatics
 University of Colorado School of Medicine
- Katy Trinkley, PharmD, PhD 2019-present
 Role: co-mentor
 Funding: NIH K12 and K23
Trainee's Current Career Activities: Associate Professor, Clinical Pharmacy
 University of Colorado Skaggs School of Pharmacy and Pharmaceutical Sciences,
 2017-present
- Steven Bair, MD 2020-2023
 Role: co-mentor
Trainee's Current Career Activities: Assistant Professor, Hematology
 University of Colorado School of Medicine
- Melike Sirlanci, PhD 2020-present
 Role: mentoring committee member
 Funding: R01 under review
Trainee's Current Career Activities: Assistant Professor, Biomedical Informatics
 University of Colorado School of Medicine
- Blake Martin, MD 2020-present

Role: Primary mentor
Funding: Thrasher Early Career Award, CHCO Research Scholar Award, NIH K23
Trainee's Current Career Activities: Assistant Professor, Pediatric Critical Care
University of Colorado School of Medicine

- Jose Diaz-Miron, MD 2022-present
Role: Primary mentor
Funding: American College of Surgeons Faculty Research Fellowship, CCTSI K12
Trainee's Current Career Activities: Associate Professor, Pediatric Surgery
University of Colorado School of Medicine
- Nikita Pozdeyev, MD 2022-present
Role: mentoring committee member
Work Products: R21 funded, R01 under review
Trainee's Current Career Activities: Assistant Professor, Biomedical Informatics and Endocrinology
University of Colorado School of Medicine
- Nicholas Dwork, PhD 2022-present
Role: Primary mentor
Work Products: funded R03, R21 under review
Trainee's Current Career Activities: Assistant Professor, Biomedical Informatics
University of Colorado School of Medicine
- Danielle Cooke, PhD 2023-present
Role: Co-mentor
Work Products: funded Ludeman Center K12 Career Development Award
Trainee's Current Career Activities: Assistant Professor, Psychiatry
University of Colorado School of Medicine
- Benjamin Yoon, MD 2023-present
Role: Primary mentor
Funding: NIH K23 submission planned Feb 2025
Trainee's Current Career Activities: Assistant Professor, Pediatrics (Critical Care)
University of Colorado School of Medicine
- Jennifer Ginestra, MD, MSHP 2023-present
Role: Primary mentor
Funding: NIH K23
Trainee's Current Career Activities: Assistant Professor, Medicine (Pulmonary and Critical Care)
University of Colorado School of Medicine
- Sarah Walker, MD 2024-present
Role: Primary mentor
Funding: NIH K23 submission planned 2025
Trainee's Current Career Activities: Assistant Professor, Pediatrics (Critical Care)
University of Colorado School of Medicine

Trainees/Mentees: Clinical Fellows

- Kate Liesemer, MD 2010-2014

- Role: Research Advisor for
 "Use of Rotterdam CT scores for mortality risk stratification in children with TBI"
 Work Products: 1 abstract, 1 published manuscript
Trainee's Current Career Activities: Major, U.S. Army,
 Attending Physician, PICU, Madigan Army Medical Center, Tacoma, WA
- Rebecca Dixon, MD 2011-2013
 Role: Research Advisor for
 "CPP-directed therapy in children with TBI"
 Work Products: 2 abstracts, 1 published manuscript
Trainee's Current Career Activities: General Pediatrics,
 Kaiser Permanente, Spokane, WA
 - Carrie Freeman Garrison, MD 2011-2013
 Role: Research Advisor for
 "Extracorporeal Membrane Oxygenation: Does Center Volume Affect Mortality?"
 Work Products: 1 abstract, 1 published manuscript
Trainee's Current Career Activities: Ascension Medical Group
 Pediatric Critical Care, Pensacola, FL
 - Mitchell Hamele, MD 2012-2015
 Role: Research Advisor for
 "Ventilator-associated pneumonia in children with TBI"
 Work Products: 3 abstracts, 2 published manuscripts
Trainee's Current Career Activities: Major, U.S. Army,
 Attending Physician, PICU, Tripler Army Medical Center, Honolulu, HI
 - Aline Maddux, MD 2014-2016
 Role: Research advisor
 Work Products: see above under faculty mentorship
Trainee's Current Career Activities: Assistant Professor, Pediatric Critical Care
 University of Colorado School of Medicine
 - Jonathan Haywood, MD 2015-2016
 Role: Career mentor
Trainee's Current Career Activities: Assistant Professor, Pediatric Critical Care
 Wake Forest University School of Medicine
 - Christopher Ruzas, MD 2016-2017
 Role: Research mentor
 Work Products: 1 published case report and 1 published manuscript
Trainee's Current Career Activities: Assistant Professor, Pediatric Critical Care
 University of Colorado School of Medicine
 - Adam Carlisle, MD 2017-2020
 Role: Research mentor
 Work Products: 1 published manuscript, 1 published editorial, 1 abstract
Trainee's Current Career Activities: Assistant Professor, Pediatric Cardiac Critical
 Care
 University of Cincinnati/Cincinnati Children's Hospital
 - Blake Martin, MD 2018-2020

Role: Research mentor
Work Products: see above under faculty mentorship
Trainee's Current Career Activities: Assistant Professor, Pediatric Critical Care
University of Colorado School of Medicine

- Adam Dziorny, MD, PhD 2018-2020
Role: Research advisor
Mentored Work Products: 1 published manuscript, 2 abstracts
Trainee's Current Career Activities: Assistant Professor, Pediatric Critical Care
University of Rochester School of Medicine
- Danielle Cooke, PhD 2022-2023
Role: Co-mentor
Work Products: F32 and pilot grant submissions
Trainee's Current Career Activities: Post-Doctoral Fellow, Clinical Psychology
University of Colorado School of Medicine

Trainees/Mentees: Residents

- Daniel Tawfik, MD, MS 2013-2015
Role: Research Advisor for
"Use of the volumetric diffusive respiratory in the PICU"
Work Products: 2 abstracts, 1 published manuscript
Funding: AHRQ K08
Trainee's Current Career Activities: Assistant Professor, Pediatric Critical Care
Stanford University School of Medicine

Trainees/Mentees: Medical Students

- Henry Tran, MD 2011-2012
Role: Research co-Mentor
Work Products: 1 published manuscript
Trainee's Current Career Activities: Instructor, Emergency Medicine
University of Rochester, Rochester, NY
- Michelle Vo 2019-2020
Role: Research co-Mentor
Work Products: 1 published manuscript
Trainee's Current Career Activities: Resident, Anesthesia
University of California, Davis

Trainees/Mentees: Graduate Students and Post-Doctoral Fellows

- Peter DeWitt, PhD 2015-2017
Role: PI for PhD Research Assistantship
Trainee's Current Career Activities: Research Assistant Professor, Biomedical Informatics
University of Colorado School of Medicine
- Tiffany Callahan, PhD 2018-2022
Role: Co-mentor for graduate student work
Trainee's Current Career Activities: Post-Doctoral Fellow, Biomedical Informatics
Columbia University

- Jake Stroh, PhD 2019-2022
 Role: Clinical Mentor for post-doctoral fellowship
Trainee's Current Career Activities: Research Associate,
 Department of Biomedical Informatics, University of Colorado School of Medicine
- Jennifer Briggs, BS 2020-present
 Role: Clinical Mentor
Trainee's Current Career Activities: Graduate Student, Bioengineering
 University of Colorado College of Engineering, Computing, and Design
- Nourah Salem, MS 2022
 Role: PI for research rotation
Trainee's Current Career Activities: PhD Student, Computational Biosciences
 University of Colorado School of Medicine
- Yanran Wang, MS 2022-present
 Role: PhD Committee Member
Trainee's Current Career Activities: Graduate Student, Biostatistics
 Colorado School of Public Health
- Connor Elkhill, BS 2023-present
 Role: PhD Committee Member
Trainee's Current Career Activities: Graduate Student, Computational Biosciences
 University of Colorado School of Medicine

Trainees/Mentees: Undergraduate Students

- Griffin Bates 2022
 Role: PI for CHCO/CU Child Health Research Internship
Trainee's Current Career Activities: undergraduate student
 Rensselaer Polytechnic Institute

- | | |
|---------------|---|
| ACTIVE GRANTS | <ul style="list-style-type: none"> • Novel Pediatric Sepsis Criteria and Clinical Decision Support Tools Sep 2021-Aug 2025
 NICHD R01 HD105939
 Annual Direct Costs: \$527,084
 National Institute of Child Health and Human Development
 Role: Contact PI • Mentoring and Patient-Oriented Research in Clinical Informatics and Data Science Dec 2023-Nov 2028
 NHLBI K24
 Annual Direct Costs: \$116,671
 National Heart Lung Blood Institute
 Role: PI • Pediatric Sepsis Biorepository and Clinical Database Apr 2022-Mar 2026
 NIGMS R21/R33
 Annual Direct Costs: \$522,810
 National Institute of General Medical Sciences |
|---------------|---|

Role: co-Investigator

- Transfusion Recommendations Implemented in the PICU May 2023-Apr 2026
AHRQ R18 HS029298
Annual Direct Costs: \$289,989
Agency for Healthcare Research and Quality
Role: Advisory Board member
- Development and Application of a National Pediatric Sepsis Sept 2023-Aug 2025
Event Surveillance Definition
CDC contract
Annual Direct Costs (site): \$163,000
Centers for Disease Control
Role: Co-investigator, Site PI
- Health AI and Data Science in Cardiovascular and Jan 2019-Feb 2029
Pulmonary Disease: Application and Bioethics (HARP-BIO)
NHLBI R25
Annual Direct Costs: \$307,232
National Heart Lung Blood Institute
Role: Mentor

PRIOR GRANTS

- Colorado Clinical and Translational Science Institute (CCTSI) Sept 2023-July 2030
NCATS UM1
Annual Direct Costs: \$5,000,000
National Center for Advancing Translational Sciences
Role: Co-I, Informatics Co-Director
- Colorado Clinical and Translational Science Institute (CCTSI) May 2018-Sept 2023
NCATS UL1 TR002535
Annual Direct Costs: \$5,829,717
National Center for Advancing Translational Sciences
Role: Co-Investigator, Informatics Director
- Pediatric COVID-19 Dashboard and Clinical Phenotypes Nov 2022-Aug 2023
NICHD R01 HD105939-02S1
Annual Direct Costs: \$175,220
National Institute of Child Health and Human Development
Role: Contact PI
- Implementation and Real-World Effectiveness of Mar 2021-Apr 2023
Monoclonal Antibodies to Treat High-Risk Outpatients with COVID-19
NCATS UL1TR002535-03S3
Annual Direct Costs: \$3,504,472 until April 2022, then NCE
National Center for Advancing Translational Sciences
Role: co-I, Informatics Lead

- The PCORnet Study of Post-Acute Sequelae of SARS-CoV-2 Oct 2021-Sept 2022
in Children and Adolescents
NHLBI OT2 HL161847
Annual Direct Costs: \$227,653
National Heart Lung Blood Institute
Role: co-Investigator
- Collaborative Analytics for EHR- and Other Oct 2021-Sept 2022
Real-World Data in N3C
NHLBI OT2 HL161847
Annual Direct Costs: \$7,500,000
National Heart Lung Blood Institute
Role: Multiple PI
- Pediatric COVID-19 Severity Dashboard During Sep 2021-Aug 2022
Delta Variant Circulation
NICHD R01 HD105939-01S1
Annual Direct Costs: \$162,888
National Institute of Child Health and Human Development
Role: Multiple PI/Contact Principal Investigator
- A National Center for Digital Health Informatics Innovation: Sept 2021-June 2022
Supplement for Pediatric COVID-19 DREAM Challenge
NCATS U24 TR002306-05S1
Annual Direct Costs: \$96,811
National Center for Advancing Translational Sciences
Role: co-Investigator
- Interferon Hyperactivity, COVID19, and Down Syndrome Sept 2020-Aug 2021
NIAID 3R01AI150305-01S1
Annual Direct Costs: \$398,461
National Center for Allergy and Infectious Diseases
Role: co-Investigator
- CCTSI Participation in the National COVID Cohort Jul 2020-Apr 2021
Collaborative (N3C)
NCATS 3UL1TR002535-03S2
Annual Direct Costs: \$64,188
National Center for Advancing Translational Sciences
Role: Site PI and Co-Director, N3C Clinical Scenarios and Analytics Subgroup
- A prospective, observational cohort trial for the Apr 2020-Apr 2021
treatment of hospitalized COVID-19 patients with high-titer
anti-SARS-CoV2 convalescent serum
CCTSI COVID-19 Pilot Grant
Annual Direct Costs: \$25,000
Colorado Clinical and Translational Sciences Institute

Role: co-Investigator

- Data-driven Analysis of Pediatric Organ Dysfunction Patterns to Discover Sepsis Phenotypes Apr 2019-Mar 2021
NICHD R21 HD096402
Annual Direct Costs: \$135,000
National Institute of Child Health and Human Development
Role: co-Investigator
- Archiving Common Data Element-Harmonized Pediatric Traumatic Brain Injury Data and Metadata Sep 2018-Aug 2021
NICHD R03 HD094912
Annual Direct Costs: \$50,000
National Institute of Child Health and Human Development
Role: Principal Investigator
- Decision Making about ICP Monitoring in Children with TBI Jul 2017-Jun 2019
Annual Direct Costs: \$150,000
Colorado Department of Human Services
Role: Principal Investigator
- Effectiveness of ICP Monitoring in Pediatric TBI Jul 2013-Apr 2019
NICHD K23 HD74620
Patient-Oriented Mentored Career Development Award (K23)
Annual Direct Costs: \$127,750
National Institute of Child Health and Human Development
Role: Principal Investigator
- Medical Needs of Children with TBI Jul 2017-Jun 2018
Annual Direct Costs: \$75,000
University of Colorado School of Medicine
Data Science to Patient Value Pilot Project Program
Role: Principal Investigator
- Approaches and Decisions for Acute Pediatric TBI (ADAPT) Oct 2014-Jun 2018
NINDS U01 NS081041
Annual Direct Costs: \$3,053,410
National Institute for Neurological Diseases and Stroke
Role: Site Primary Investigator (PI: Michael J. Bell)
Role: Member, Publications Committee, Jul 2015-Jul 2016
Role: Member, Steering Committee, Jul 2017-Jul 2018
- Pre-Hospital Care of Children with TBI Jan 2015-Dec 2015
Annual Direct Costs: \$73,981
Childress Institute for Pediatric Trauma
Role: Co-Investigator (PI: Lawrence J. Cook)
- Effectiveness of ICP Monitoring in Pediatric TBI Jan 2013-Jul 2013

NICHD K12 HD047349
 Pediatric Critical Care and Trauma Scientist Development Program (K12)
 Annual Direct Costs: \$127,750
 National Institute of Child Health and Human Development
 Role: K12 Scholar (PI: J. Michael Dean)

- Translational Comparative Effectiveness Research Nov 2010-Nov 2012
 Mentored Scholars Program
 NIH/NCI 1KM1CA156723
 Role: Scholar (PI: Carrie L. Byington)
- Summer Medicine and Research Training Program May 1996-Aug 1996
 Baylor College of Medicine, Houston, TX
 Role: Research Assistant (PI: Dorothy E. Lewis)

OTHER
 RESEARCH
 ACTIVITIES

- Site Investigator, Primary Children’s Hospital 2009-2013
 Therapeutic Hypothermia After Cardiac Arrest (THAPCA) trials
- Site Investigator, Primary Children’s Hospital 2010
 Predictors of severe H1N1 infection in children presenting within
 Pediatric Emergency Research Networks (PERN):
 a retrospective case-control study
- Site Primary Investigator, Primary Children’s Hospital 2011-2013
 Prevalence of Acute critical Neurological disease in children:
 a Global Epidemiological Assessment (PANGEA)
- Site co-Investigator, Children’s Hospital Colorado 2016-2019
 GM-CSF for Immunomodulation Following Trauma (GIFT 1):
 a Collaborative Pediatric Critical Care Research Network (CPCCRN) study
- Member, Pediatric ARDS Common Data Element Steering Committee 2017-2021
 Pediatric Acute Lung Injury and Sepsis Investigators
- Co-Lead, Clinical Scenarios and Analytics Group 2020-2021
 National COVID Cohort Collaborative (N3C)
- Site Primary Investigator (Chair 2019-2020) 2019-present
 Pediatric ICU Data Collaborative
- Co-Lead, Analytics Team 2019-present
 Society for Critical Care Medicine Pediatric Sepsis Task Force

PEER-REVIEWED
 PUBLICATIONS

1. T. E. Lloyd, L. Yang, D. N. Tang, **T. Bennett**, W. Schober, and D. E. Lewis.

- Regulation of CD28 costimulation in human CD8+ T cells. *J Immunol*, 158(4):1551–1558, Feb 1997. PMID: 9029089.
2. **T. D. Bennett**, R. Kaufman, M. Schiff, C. Mock, and L. Quan. Crash analysis of lower extremity injuries in children restrained in forward-facing car seats during front and rear impacts. *J Trauma*, 61(3):592–7, Sep 2006. PMID: 16966993.
 3. **T. D. Bennett**, M. B. Klein, M. D. Sorensen, A. J. De Roos, and F. P. Rivara. Influence of birth hospital on outcomes of ductal-dependent cardiac lesions. *Pediatrics*, 126(6):1156–64, Dec 2010. PMID: 21098152.
 4. S. J. Gleich, **T. D. Bennett**, S. L. Bratton, and G. Y. Larsen. Pediatric trauma transport performance measures in a mountain state: adherence and outcomes. *J Trauma*, 71(4):1016–22, Oct 2011. PMID: 21336186.
 5. **T. D. Bennett**, K. N. Hayward, R. W. D. Farris, S. Ringold, C. A. Wallace, and T. V. Brogan. Very high serum ferritin levels are associated with increased mortality and critical care in pediatric patients. *Pediatr Crit Care Med*, 12(6):e233–e236, Nov 2011. PMID: 21263363.
 6. **T. D. Bennett**, K. D. Statler, E. K. Korgenski, and S. L. Bratton. Osmolar therapy in pediatric traumatic brain injury. *Crit Care Med*, 40(1):208–15, Jan 2012. PMCID: 3242905.
 7. **T. D. Bennett**, J. Riva-Cambrin, H. T. Keenan, E. K. Korgenski, and S. L. Bratton. Variation in intracranial pressure monitoring and outcomes in pediatric traumatic brain injury. *Arch Pediatr Adolesc Med*, 166(7):641–7, Jul 1 2012. PMCID: 4547349.
 8. **T. D. Bennett**, M. Fluchel, A. O. Hersh, K. N. Hayward, A. L. Hersh, T. V. Brogan, R. Srivastava, B. L. Stone, E. K. Korgenski, M. B. Mundorff, T. C. Casper, and S. L. Bratton. Macrophage activation syndrome in children with systemic lupus erythematosus and children with juvenile idiopathic arthritis. *Arthritis Rheum*, 64(12):4135–4142, Dec 2012. PMCID: 3505557.
 9. S. R. Dalziel, J. M. Thompson, C. G. Macias, R. M. Fernandes, D. W. Johnson, Y. Waisman, N. Cheng, J. Acworth, J. M. Chamberlain, M. H. Osmond, A. Plint, P. Valerio, K. J. Black, E. Fitzpatrick, A. S. Newton, N. Kuppermann, T. P. Klassen, and the Pediatric Emergency Research Networks H1N1 Working Group (group authorship). Predictors of severe H1N1 infection in children presenting within Pediatric Emergency Research Networks (PERN): retrospective case-control study. *BMJ*, 347:f4836, 2013. PMID: 23940290.
 10. **T. D. Bennett**, C. M. Niedzwecki, E. K. Korgenski, and S. L. Bratton. Initiation of Physical, Occupational, and Speech Therapy in Children With Traumatic Brain Injury. *Arch Phys Med Rehabil*, 94(7):1268–76, Jul 2013. PMCID: 4550591.
 11. C. Stockmann, K. Ampofo, A. L. Hersh, **T. D. Bennett**, R. Boulton, P. Plant, C. L. Byington, and A. T. Pavia. Local Health Department Influenza Surveillance Estimates and Projections of Peak Pediatric Intensive Care Unit Occupancy During the 2009 Influenza A Pandemic. *J Pediatric Infect Dis Soc*, 2(4):405–406, Dec 2013. PMID: 26619507.

12. C. L. Freeman, **T. D. Bennett**, T. C. Casper, G. Y. Larsen, A. Hubbard, J. Wilkes, and S. L. Bratton. Pediatric and neonatal extracorporeal membrane oxygenation: does center volume impact mortality?. *Crit Care Med*, 42(3):512–519, Mar 2014. PMID: 4548884.
13. K. Liesemer, J. Riva-Cambrin, K. S. Bennett, S. L. Bratton, H. Tran, R. R. Metzger, and **T. D. Bennett**. Use of Rotterdam CT scores for mortality risk stratification in children with traumatic brain injury. *Pediatr Crit Care Med*, 15(6):554–562, Jul 2014. PMID: 4087067.
14. **T. D. Bennett**, M. C. Spaeder, R. I. Matos, R. S. Watson, K. V. Typpo, R. G. Khemani, S. Crow, B. D. Benneyworth, R. R. Thiagarajan, J. M. Dean, B. P. Markovitz, and the Pediatric Acute Lung Injury and Sepsis Investigators (PALISI) Network. Existing data analysis in pediatric critical care research. *Front Pediatr*, 2:79, 2014. PMID: 4114296.
15. **T. D. Bennett**, S. L. Bratton, J. Riva-Cambrin, E. R. Scaife, M. L. Nance, J. S. Prince, J. Wilkes, and H. T. Keenan. Cervical spine imaging in hospitalized children with traumatic brain injury. *Pediatr Emerg Care*, 31(4):243–249, Apr 2015. PMID: 4544867.
16. **T. D. Bennett**, J. M. Dean, H. T. Keenan, M. H. McGlinchy, A. M. Thomas, and L. J. Cook. Linked Records of Children with Traumatic Brain Injury. Probabilistic Linkage without Use of Protected Health Information. *Methods Inf Med*, 54(4), May 2015. PMID: 4545607.
17. M. M. Cirulis, M. T. Hamele, C. R. Stockmann, **T. D. Bennett**, and S. L. Bratton. Comparison of the New Adult Ventilator-Associated Event Criteria to the Centers for Disease Control and Prevention Pediatric Ventilator-Associated Pneumonia Definition (PNU2) in a Population of Pediatric Traumatic Brain Injury Patients. *Pediatr Crit Care Med*, 17(2):157–164, Feb 2016. PMID: 4740240.
18. D. S. Tawfik, **T. D. Bennett**, B. Welch, and W. B. Poss. Use of high-frequency percussive ventilation and high-frequency oscillatory ventilation in the pediatric intensive care unit. *J Pediatr Intensive Care*, 5(1):12–20, Mar 2016. PMID: PMC6512401.
19. R. C. Sanders, Jr, S. T. Nett, K. F. Davis, M. M. Parker, G. K. Bysani, M. Adu-Darko, G. L. Bird, I. M. Cheifetz, A. T. Derbyshire, G. Emeriaud, J. S. Giuliano, Jr, A. L. Graciano, Y. Hagiwara, G. Hefley, T. Ikeyama, J. D. Jarvis, P. Kamat, A. S. Krishna, A. Lee, J. H. Lee, S. Li, K. Meyer, V. L. Montgomery, Y. Nagai, M. Pinto, K. J. Rehder, O. Saito, A. N. Shenoi, H. C. Taekema, K. M. Tarquinio, A. E. Thompson, D. A. Turner, V. M. Nadkarni, A. Nishisaki, and the National Emergency Airway Registry for Children (NEAR4KIDS) Investigators and the Pediatric Acute Lung Injury and Sepsis Investigators Network (group authorship). Family Presence During Pediatric Tracheal Intubations. *JAMA Pediatr*, 170(3):e154627, Mar 2016. PMID: 26954533.
20. M. Hamele, C. Stockmann, M. Cirulis, J. Riva-Cambrin, R. Metzger, **T. D. Bennett**, and S. L. Bratton. Ventilator-Associated Pneumonia in Pediatric Traumatic Brain Injury. *J Neurotrauma*, 33(9):832–839, May 2016. PMID: 4939445.

21. G. Y. Larsen, M. Schober, A. Fabio, S. R. Wisniewski, M. J. C. Grant, N. Shafi, **T. D. Bennett**, D. Hirtz, and M. J. Bell. Structure, Process, and Culture Differences of Pediatric Trauma Centers Participating in an International Comparative Effectiveness Study of Children with Severe Traumatic Brain Injury. *Neurocrit Care*, 24(3):353–360, Jun 2016. PMID: 4884520.
22. J. E. Kurz, S. M. Poloyac, N. S. Abend, A. Fabio, M. J. Bell, M. S. Wainwright, and the Investigators for the Approaches and Decisions in Acute Pediatric TBI Trial (group authorship). Variation in Anticonvulsant Selection and Electroencephalographic Monitoring Following Severe Traumatic Brain Injury in Children—Understanding Resource Availability in Sites Participating in a Comparative Effectiveness Study. *Pediatr Crit Care Med*, 17(7):649–657, Jul 2016. PMID: 5189641.
23. C. E. Capitena, H. J. Wagoner, C. M. Ruzas, **T. D. Bennett**, P. R. Baker, 2nd, J. L. Jung, and J. D. Weisfeld-Adams. Rapid resolution of infantile lipemia retinalis following exchange transfusion. *Journal of inherited metabolic disease*, 39:889–890, Nov 2016. PMID: 27518769.
24. **T. D. Bennett**, R. R. Dixon, C. Kartchner, P. E. DeWitt, Y. Sierra, D. Ladell, A. Kempe, D. K. Runyan, J. M. Dean, and H. T. Keenan. Functional Status Scale in Children With Traumatic Brain Injury: A Prospective Cohort Study. *Pediatr Crit Care Med*, 17:1147–1156, Dec 2016. PMID: 5138132.
25. K. S. Bennett, P. E. DeWitt, N. Harlaar, and **T. D. Bennett**. Seizures in Children With Severe Traumatic Brain Injury. *Pediatr Crit Care Med*, 18:54–63, Jan 2017. PMID: 5218863.
26. P. E. DeWitt and **T. D. Bennett**. Collaborative Reproducible Reporting: Git Submodules as a Data Security Solution. *Proceedings of the 10th International Joint Conference on Biomedical Engineering Systems and Technologies (conference paper)*, February 2017. DOI: 10.5220/0006109302300235.
27. M. E. Hartman, M. J. Saeed, **T. Bennett**, K. Typpo, R. Matos, and M. A. Olsen. Readmission and Late Mortality After Critical Illness in Childhood. *Pediatr Crit Care Med*, 18:e112–e121, Mar 2017. PMID: 5336515.
28. C. M. Ruzas, P. E. DeWitt, K. S. Bennett, K. E. Chapman, N. Harlaar, and **T. D. Bennett**. EEG Monitoring and Antiepileptic Drugs in Children with Severe TBI. *Neurocritical care*, 26:256–266, Apr 2017. PMID: 5336463.
29. E. L. Fink, P. M. Kochanek, R. C. Tasker, J. Beca, M. J. Bell, R. S. B. Clark, J. Hutchison, M. S. Vavilala, A. Fabio, D. C. Angus, R. S. Watson, and P. of Acute critical Neurological disease in children: A Global Epidemiological Assessment (PANGEA) Investigators (group authorship). International Survey of Critically Ill Children With Acute Neurologic Insults: The Prevalence of Acute Critical Neurological Disease in Children: A Global Epidemiological Assessment Study. *Pediatr Crit Care Med*, 18:330–342, Apr 2017. PMID: 5380574.
30. **T. D. Bennett**, P. E. DeWitt, R. R. Dixon, C. Kartchner, Y. Sierra, D. Ladell, R. Srivastava, J. Riva-Cambrin, A. Kempe, D. K. Runyan, H. T. Keenan, and J. M. Dean. Development and Prospective Validation of Tools to Accurately

- Identify Neurosurgical and Critical Care Events in Children With Traumatic Brain Injury. *Pediatr Crit Care Med*, 18(5):442–451, May 2017. PMID: 28252524.
31. N. Miller Ferguson, A. Sarnaik, D. Miles, N. Shafi, M. J. Peters, E. Truemper, M. S. Vavilala, M. J. Bell, S. R. Wisniewski, J. F. Luther, A. L. Hartman, P. M. Kochanek, and Investigators of the Approaches and Decisions in Acute Pediatric Traumatic Brain Injury (ADAPT) Trial (group authorship). Abusive Head Trauma and Mortality-An Analysis From an International Comparative Effectiveness Study of Children With Severe Traumatic Brain Injury. *Crit Care Med*, 45:1398–1407, August 2017. PMCID: 5511066.
 32. **T. D. Bennett**, P. E. DeWitt, T. H. Greene, R. Srivastava, J. Riva-Cambrin, M. L. Nance, S. L. Bratton, D. K. Runyan, J. M. Dean, and H. T. Keenan. Functional Outcome After Intracranial Pressure Monitoring for Children With Severe Traumatic Brain Injury. *JAMA Pediatr*, 171:965–971, October 2017. PMID: 28846763.
 33. M. J. Bell, P. D. Adelson, S. R. Wisniewski, Investigators of the ADAPT Study (group authorship). Challenges and opportunities for pediatric severe TBI—review of the evidence and exploring a way forward. *Child's nervous system*, 33(10):1663–1667, October 2017. PMID: 29149394
 34. A. B. Maddux, P. E. DeWitt, P. M. Mourani, and **T. D. Bennett**. Hospital Readmissions after Pediatric Trauma. *Pediatr Crit Care Med*, 19(1):e31–e40, Jan 2018. PMCID: 5773130.
 35. K. McGrail, K. Jones, A. Akbari, **T. Bennett**, A. Boyd, F. Carinci, X. Cui, S. Denaxas, N. Dougall, D. Ford, W. Ghali, R. Kirby, H.-C. Kum, R. Moorin, R. Moran, C. O’Keefe, D. Preen, H. Quan, C. Sanmartin, M. Schull, M. Smith, C. Williams, T. Williamson, G. Wyper, and M. Kotelchuck. A Position Statement on Population Data Science. *International Journal of Population Data Science*, 3(1), Feb 2018. DOI: <https://doi.org/10.23889/ijpds.v3i1.415>
 36. A. Sarnaik, N. M. Ferguson, A. M. I. O’Meara, S. Agrawal, A. Deep, S. Buttram, M. J. Bell, S. R. Wisniewski, J. F. Luther, A. L. Hartman, M. S. Vavilala, and Investigators of the ADAPT Trial (group authorship). Age and Mortality in Pediatric Severe Traumatic Brain Injury: Results from an International Study. *Neurocrit Care*, 28(3):302–313, Jun 2018. PMID: 29476389.
 37. J. A. Feinstein, S. Russell, P. E. DeWitt, C. Feudtner, D. Dai, and **T. D. Bennett**. R package for pediatric complex chronic condition classification. *JAMA Pediatr*, 172(6):596–598, Jun 2018. PMCID: 5933455.
 38. A. B. Maddux, M. Cox-Martin, M. Diciaro, and **T. D. Bennett**. The Association Between the Functional Status Scale and the Pediatric Functional Independence Measure in Children Who Survive Traumatic Brain Injury. *Pediatr Crit Care Med*, 19(11):1046–1053, Nov 2018. PMCID: 6218283.
 39. S. Russell, **T. D. Bennett**, and D. Ghosh. Software engineering principles to improve quality and performance of R software. *PeerJ Computer Science*, 5:e175. Available at <https://doi.org/10.7717/peerj-cs.175>. Accessed February 7, 2019.

40. J. King, S. Russell, **T. D. Bennett**, and D. Ghosh. Kung Faux Pandas: Simplifying Privacy Protection. *AMIA Jt Summits Transl Sci Proc*, 2019:267–274, 2019. PMID: 6568075.
41. X. A. Zhang, A. Yates, N. Vasilevsky, J. Gourdine, T. J. Callahan, L. C. Carmody, D. Danis, M. P. Joachimiak, V. Ravanmehr, E. R. Pfaff, J. Champion, K. Robasky, H. Xu, K. Fecho, N. A. Walton, R. Zhu, J. Ramsdill, C. J. Mungall, S. Köhler, M. A. Haendel, C. McDonald, D. J. Vreeman, D. B. Peden, **T. D. Bennett**, J. A. Feinstein, B. Martin, A. L. Stefanski, L. E. Hunter, C. G. Chute, and P. N. Robinson. Semantic Integration of Clinical Laboratory Tests from Electronic Health Records for Deep Phenotyping and Biomarker Discovery. *NPJ Digit Med*, 2, 2019. PMID: 6527418.
42. P. A. Ferrazzano, B. L. Rosario, S. R. Wisniewski, N. I. Shafi, H. M. Siefkes, D. K. Miles, A. L. Alexander, and M. J. Bell (group authorship). Use of magnetic resonance imaging in severe pediatric traumatic brain injury: assessment of current practice. *J Neurosurg Pediatr*, 23(4):471–479, 02 2019. PMID: PMC6687576.
43. O. Z. Ahmed, R. Holubkov, J. M. Dean, **T. D. Bennett**, K. L. Meert, R. A. Berg, C. J. L. Newth, J. A. Carcillo, R. S. Burd, and M. M. Pollack. Change in functional status among children treated in the intensive care unit after injury. *J Trauma Acute Care Surg*, 86(5):810–816, 05 2019. PMID: PMC6476656.
44. **T. D. Bennett**, T. J. Callahan, J. A. Feinstein, D. Ghosh, S. A. Lakhani, M. C. Spaeder, S. J. Szeffler, and M. G. Kahn. Data Science for Child Health. *J Pediatr*, 208:12–22, May 2019. PMID: 6486872.
45. **T. D. Bennett**, R. Marsh, J. A. Maertens, A. Rutebemberwa, M. A. Morris, T. C. Hankinson, and D. D. Matlock. Decision-Making about Intracranial Pressure Monitor Placement in Children with Traumatic Brain Injury. *Pediatr Crit Care Med*, 20(7):645–651, Jul 2019. PMID: 30985605.
46. K. Typpo, R. S. Watson, **T. D. Bennett**, R. W. Farris, M. C. Spaeder, and N. J. Petersen. Outcomes of Day 1 Multiple Organ Dysfunction Syndrome in the Pediatric Intensive Care Unit. *Pediatr Crit Care Med*, 20(10):914–922, Oct 2019. PMID: 31589198.
47. F. Xing, **T. D. Bennett**, and D. Ghosh. Adversarial Domain Adaptation and Pseudo-Labeling for Cross-Modality Microscopy Image Quantification. *Med Image Comput Comput Assist Interv*, 11764:740–749, Oct 2019. PMID: PMC6903918.
48. F. Xing, T. C. Cornish, **T. Bennett**, D. Ghosh, and L. Yang. Pixel-to-pixel Learning with Weak Supervision for Single-stage Nucleus Recognition in Ki67 Images. *IEEE Trans Biomed Eng*, 66(11):3088–3097, 11 2019. PMID: 30802845.
49. R. Marsh, D. D. Matlock, J. A. Maertens, A. Rutebemberwa, M. A. Morris, T. C. Hankinson, and **T. D. Bennett**. Parental involvement in decision making about intracranial pressure monitor placement in children with traumatic brain injury. *J Neurosurg Pediatr*, pages 1–9, Nov 2019. PMID: 31675722.

50. A. C. Dziorny, R. B. Lindell, **T. D. Bennett**, and L. C. Bailey. Joining Datasets without Identifiers: Probabilistic Linkage of Virtual Pediatric Systems and PEDSnet. *Pediatr Crit Care Med*, Jun 2020. PMID: 32511201.
51. S. L. Ward, H. R. Flori, **T. D. Bennett**, A. Sapru, P. M. Mourani, N. J. Thomas, and R. G. Khemani. Design and Rationale for Common Data Elements for Clinical Research in Pediatric Critical Care Medicine. *Pediatr Crit Care Med*, 21(11):e1038–e1041, 11 2020. PMID: PMC7609513.
52. X. Zhang, T. C. Cornish, L. Yang, **T. D. Bennett**, D. Ghosh, and F. Xing. Generative Adversarial Domain Adaptation for Nucleus Quantification in Images of Tissue Immunohistochemically Stained for Ki-67. *JCO Clin Cancer Inform*, 4:666–679, 07 2020. PMID: PMC7397778.
53. K. E. Trinkley, M. G. Kahn, **T. D. Bennett**, R. E. Glasgow, H. Haugen, D. P. Kao, M. E. Kroehl, C.-T. Lin, D. C. Malone, and D. D. Matlock. Integrating the Practical Robust Implementation and Sustainability Model With Best Practices in Clinical Decision Support Design: Implementation Science Approach. *J Med Internet Res*, 22(10):e19676, 10 2020. PMID: PMC7661234.
54. F. Xing, T. C. Cornish, **T. D. Bennett**, and D. Ghosh. Bidirectional Mapping-Based Domain Adaptation for Nucleus Detection in Cross-Modality Microscopy Images. *IEEE Trans Med Imaging*, PP, Dec 2020. PMID: 33284750.
55. A. B. Maddux, C. Sevick, M. Cox-Martin, and **T. D. Bennett**. Novel Claims-Based Outcome Phenotypes in Survivors of Pediatric Traumatic Brain Injury. *J Head Trauma Rehabil*, 36(4):242–252, 2021. PMID: PMC8249306.
56. M. D. Galbraith, K. T. Kinning, K. D. Sullivan, R. Baxter, P. Araya, K. R. Jordan, S. Russell, K. P. Smith, R. E. Granrath, J. Shaw, M. Dzieciatkowska, T. Ghosh, A. A. Monte, A. D’Alessandro, K. C. Hansen, **T. D. Bennett**, E. W. Y. Hsieh, and J. M. Espinosa. Seroconversion stages COVID19 into distinct pathophysiological states. *Elife*, 10, 03 2021. PMID: PMC7963480.
57. J. N. Stroh, **T. D. Bennett**, V. Kheyfets, and D. Albers. Clinical Decision Support for Traumatic Brain Injury: Identifying a Framework for Practical Model-Based Intracranial Pressure Estimation at Multihour Timescales. *JMIR Med Inform*, 9(3):e23215, Mar 2021. PMID: 33749613.
58. M. A. Haendel, C. G. Chute, **T. D. Bennett**, D. A. Eichmann, J. Guinney, W. A. Kibbe, P. R. O. Payne, E. R. Pfaff, P. N. Robinson, J. H. Saltz, H. Spratt, C. Suver, J. Wilbanks, A. B. Wilcox, A. E. Williams, C. Wu, C. Blacketer, R. L. Bradford, J. J. Cimino, M. Clark, E. W. Colmenares, P. A. Francis, D. Gabriel, A. Graves, R. Hemadri, S. S. Hong, G. Hripscak, D. Jiao, J. G. Klann, K. Kostka, A. M. Lee, H. P. Lehmann, L. Lingrey, R. T. Miller, M. Morris, S. N. Murphy, K. Natarajan, M. B. Palchuk, U. Sheikh, H. Solbrig, S. Visweswaran, A. Walden, K. M. Walters, G. M. Weber, X. T. Zhang, R. L. Zhu, B. Amor, A. T. Girvin, A. Manna, N. Qureshi, M. G. Kurilla, S. G. Michael, L. M. Portilla, J. L. Rutter, C. P. Austin, K. R. Gersing, and N3C Consortium. The National COVID Cohort Collaborative (N3C): Rationale, design, infrastructure, and deployment. *J Am Med Inform Assoc*, 28(3):427–443, 03 2021. PMID: PMC7454687.

59. K. E. Trinkley, M. E. Kroehl, M. G. Kahn, L. A. Allen, **T. D. Bennett**, G. Hale, H. Haugen, S. Heckman, D. P. Kao, J. Kim, D. M. Matlock, D. C. Malone, R. L. Page Nd, J. Stine, K. Suresh, L. Wells, and C.-T. Lin. Applying Clinical Decision Support Design Best Practices With the Practical Robust Implementation and Sustainability Model Versus Reliance on Commercially Available Clinical Decision Support Tools: Randomized Controlled Trial. *JMIR Med Inform*, 9(3):e24359, Mar 2021. PMID: 33749610.
60. P. D. Sottile, D. Albers, P. E. DeWitt, S. Russell, J. N. Stroh, D. P. Kao, B. Adrian, M. E. Levine, R. Mooney, L. Larchick, J. S. Kutner, M. K. Wynia, J. J. Glasheen, and **T. D. Bennett**. Real-Time Electronic Health Record Mortality Prediction During the COVID-19 Pandemic: A Prospective Cohort Study. *J Am Med Inform Assoc*, May 2021. PMCID: PMC8136054.
61. A. R. Kahkoska, T. J. Abrahamsen, G. C. Alexander, **T. D. Bennett**, C. G. Chute, M. A. Haendel, K. R. Klein, H. Mehta, J. D. Miller, R. A. Moffitt, T. Stürmer, K. Kvist, J. B. Buse, and the N3C Consortium. Association Between Glucagon-like Peptide 1 Receptor Agonist and Sodium 2 Glucose Co-transporter 2 Inhibitor Use and COVID-19 Outcomes. *Diabetes Care*, Jun 2021. PMCID: PMC8323175.
62. **T. D. Bennett**, R. A. Moffitt, J. G. Hajagos, B. Amor, A. Anand, M. M. Bissell, K. R. Bradwell, C. Bremer, J. B. Byrd, A. Denham, P. E. DeWitt, D. Gabriel, B. T. Garibaldi, A. T. Girvin, J. Guinney, E. L. Hill, S. S. Hong, H. Jimenez, R. Kavuluru, K. Kostka, H. P. Lehmann, E. Levitt, S. K. Mallipattu, A. Manna, J. A. McMurry, M. Morris, J. Muschelli, A. J. Neumann, M. B. Palchuk, E. R. Pfaff, J. Qian, N. Qureshi, S. Russell, H. Spratt, A. Walden, A. E. Williams, J. T. Wooldridge, Y. J. Yoo, X. T. Zhang, R. L. Zhu, C. P. Austin, J. H. Saltz, K. R. Gersing, M. A. Haendel, and C. G. Chute. Clinical Characterization and Prediction of Clinical Severity of US Adults With SARS-CoV-2 Infection Using Data From the US National COVID Cohort Collaborative (N3C). *JAMA Netw Open*, 4(7):e2116901, 07 2021. PMCID: PMC8278272.
63. K. D. Sullivan, M. D. Galbraith, K. T. Kinning, K. W. Bartsch, N. C. Levinsky, P. Araya, K. P. Smith, R. E. Granrath, J. R. Shaw, R. M. Baxter, K. R. Jordan, S. A. Russell, M. E. Dzieciatkowska, J. A. Reisz, F. Gamboni, F. I. Cendali, T. Ghosh, A. A. Monte, **T. D. Bennett**, M. G. Miller, E. W.-Y. Hsieh, A. D'Alessandro, K. C. Hansen, and J. M. Espinosa. The COVIDome Explorer researcher portal. *Cell Rep*, 36(7):109527, 08 2021. PMCID: PMC8316015.
64. H. B. Mehta, H. An, K. M. Andersen, O. Mansour, V. Madhira, E. S. Rashidi, B. Bates, S. Setoguchi, C. Joseph, P. T. Kocis, R. Moffitt, **T. D. Bennett**, C. G. Chute, B. T. Garibaldi, G. C. Alexander, and National COVID Cohort Collaborative (N3C). Use of Hydroxychloroquine, Remdesivir, and Dexamethasone Among Adults Hospitalized With COVID-19 in the United States : A Retrospective Cohort Study. *Ann Intern Med*, Aug 2021. PMCID: PMC8372837.
65. L. Chauhan, J. Pattee, J. Ford, C. Thomas, K. Lesteberg, E. Richards, C. A. Bernas, M. Loi, L. Dumont, K. Annen, M. Berg, M. Zirbes, V. Knight, A. Miller, T. C. Jenkins, **T. D. Bennett**, D. Monkowski, R. S. Boxer, and J. D. Beckham. A Multi-center, Prospective, Observational-cohort controlled study of Clinical

Outcomes following COVID-19 Convalescent plasma therapy in hospitalized COVID-19 patients. *Clin Infect Dis*, Sep 2021. PMID: 34549274.

66. F. Xing, T. C. Cornish, **T. D. Bennett**, and D. Ghosh. Bidirectional Mapping-Based Domain Adaptation for Nucleus Detection in Cross-Modality Microscopy Images. *IEEE Trans Med Imaging*, 40(10):2880–2896, 10 2021. PMID: PMC8543886.
67. R. R. Deer, M. A. Rock, N. Vasilevsky, L. Carmody, H. Rando, A. J. Anzalone, M. D. Basson, **T. D. Bennett**, T. Bergquist, E. A. Boudreau, C. T. Bramante, J. B. Byrd, T. J. Callahan, L. E. Chan, H. Chu, C. G. Chute, B. D. Coleman, H. E. Davis, J. Gagnier, C. S. Greene, W. B. Hillegass, R. Kavuluru, W. D. Kimble, F. M. Koraishy, S. Köhler, C. Liang, F. Liu, H. Liu, V. Madhira, C. R. Madlock-Brown, N. Matentzoglou, D. R. Mazzotti, J. A. McMurry, D. S. McNair, R. A. Moffitt, T. S. Monteith, A. M. Parker, M. A. Perry, E. Pfaff, J. T. Reese, J. Saltz, R. A. Schuff, A. E. Solomonides, J. Solway, H. Spratt, G. S. Stein, A. A. Sule, U. Topaloglu, G. D. Vavougiou, L. Wang, M. A. Haendel, and P. N. Robinson. Characterizing Long COVID: Deep Phenotype of a Complex Condition. *EBioMedicine*, 74:103722, Dec 2021. PMID: PMC8613500.
68. M. M. Bembea, M. Agus, A. Akcan-Arikan, P. Alexander, R. Basu, **T. D. Bennett**, D. Bohn, L. R. Brandão, A.-M. Brown, J. A. Carcillo, P. Checchia, J. Cholette, I. M. Cheifetz, T. Cornell, A. Doctor, M. Eckerle, S. Erickson, R. W. D. Farris, E. V. S. Faustino, J. C. Fitzgerald, D. Y. Fuhrman, J. S. Giuliano, K. Williams, M. Gaies, S. M. Gorga, M. Hall, S. J. Hanson, M. Hartman, A. B. Hassinger, S. Y. Irving, H. Jeffries, P. Jouvett, S. Kannan, O. Karam, R. G. Khemani, N. Kissoon, J. Lacroix, P. Laussen, F. Leclerc, J. H. Lee, S. Leteurtre, K. Lobner, P. J. McKiernan, K. Menon, P. Monagle, J. A. Muszynski, F. Odetola, R. Parker, N. Pathan, R. W. Pierce, J. Pineda, J. M. Prince, K. A. Robinson, C. M. Rowan, L. M. Ryerson, L. N. Sanchez-Pinto, L. J. Schlapbach, D. T. Selewski, L. S. Shekerdeman, D. Simon, L. S. Smith, J. E. Squires, R. H. Squires, S. M. Sutherland, Y. Ouellette, M. C. Spaeder, V. Srinivasan, M. E. Steiner, R. C. Tasker, R. Thiagarajan, N. Thomas, P. Tissieres, C. Traube, M. Tucci, K. V. Typpo, M. S. Wainwright, S. L. Ward, R. S. Watson, S. Weiss, J. Whitney, D. Willson, J. L. Wynn, N. Yeyha, and J. J. Zimmerman. Pediatric Organ Dysfunction Information Update Mandate (PODIUM) Contemporary Organ Dysfunction Criteria: Executive Summary. *Pediatrics*, 149(Supplement 1):S1–S12, Jan 2022. PMID: 34970673.
69. L. N. Sanchez-Pinto, M. M. Bembea, R. W. Farris, M. E. Hartman, F. O. Odetola, M. C. Spaeder, R. S. Watson, J. J. Zimmerman, **T. D. Bennett**, and Pediatric Organ Dysfunction Information Update Mandate (PODIUM) Collaborative. Patterns of Organ Dysfunction in Critically Ill Children Based on PODIUM Criteria. *Pediatrics*, 149(Supplement 1):S103–S110, Jan 2022. PMID: 34970678.
70. J. E. Squires, P. J. McKiernan, R. H. Squires, and Pediatric Organ Dysfunction Information Update Mandate (PODIUM) Collaborative (group authorship). Acute Liver Dysfunction Criteria in Critically Ill Children: The PODIUM Consensus Conference. *Pediatrics*, 149(1 Suppl 1):S59–S65, 01 2022. PMID: 34970684.

71. L. J. Schlapbach, S. L. Weiss, M. M. Bembea, J. A. Carcillo, F. Leclerc, S. Leteurtre, P. Tissieres, J. L. Wynn, J. Zimmerman, J. Lacroix, and Pediatric Organ Dysfunction Information Update Mandate (PODIUM) Collaborative (group authorship). Scoring Systems for Organ Dysfunction and Multiple Organ Dysfunction: The PODIUM Consensus Conference. *Pediatrics*, 149(1 Suppl 1):S23–S31, 01 2022. PMID: 34970683.
72. J. C. Fitzgerald, R. K. Basu, D. Y. Fuhrman, S. M. Gorga, A. B. Hassinger, L. N. Sanchez-Pinto, D. T. Selewski, S. M. Sutherland, A. Akcan-Arikan, and Pediatric Organ Dysfunction Information Update Mandate (PODIUM) Collaborative (group authorship). Renal Dysfunction Criteria in Critically Ill Children: The PODIUM Consensus Conference. *Pediatrics*, 149(1 Suppl 1):S66–S73, 01 2022. PMID: 34970682.
73. M. S. Wainwright, K. Guilliams, S. Kannan, D. W. Simon, R. C. Tasker, C. Traube, J. Pineda, and Pediatric Organ Dysfunction Information Update Mandate (PODIUM) Collaborative (group authorship). Acute Neurologic Dysfunction in Critically Ill Children: The PODIUM Consensus Conference. *Pediatrics*, 149(1 Suppl 1):S32–S38, 01 2022. PMID: 34970681.
74. K. V. Typpo, S. Y. Irving, J. M. Prince, N. Pathan, A.-M. Brown, and Pediatric Organ Dysfunction Information Update Mandate (PODIUM) Collaborative (group authorship). Gastrointestinal Dysfunction Criteria in Critically Ill Children: The PODIUM Consensus Conference. *Pediatrics*, 149(1 Suppl 1):S53–S58, 01 2022. PMID: 34970680.
75. N. Yehya, R. G. Khemani, S. Erickson, L. S. Smith, C. M. Rowan, P. Jouvet, D. F. Willson, I. M. Cheifetz, S. Ward, N. J. Thomas, and Pediatric Organ Dysfunction Information Update Mandate (PODIUM) Collaborative (group authorship). Respiratory Dysfunction Criteria in Critically Ill Children: The PODIUM Consensus Conference. *Pediatrics*, 149(1 Suppl 1):S48–S52, 01 2022. PMID: 34970679.
76. P. M. A. Alexander, P. A. Checchia, L. M. Ryerson, D. Bohn, M. Eckerle, M. Gaies, P. Laussen, H. Jeffries, R. R. Thiagarajan, L. Shekerdemian, M. M. Bembea, J. J. Zimmerman, N. Kissoon, and Pediatric Organ Dysfunction Information Update Mandate (PODIUM) Collaborative (group authorship). Cardiovascular Dysfunction Criteria in Critically Ill Children: The PODIUM Consensus Conference. *Pediatrics*, 149(1 Suppl 1):S39–S47, 01 2022. PMID: 34970677.
77. R. W. Pierce, J. S. Giuliano, J. E. Whitney, Y. Ouellette, and Pediatric Organ Dysfunction Information Update Mandate (PODIUM) Collaborative (group authorship). Endothelial Dysfunction Criteria in Critically Ill Children: The PODIUM Consensus Conference. *Pediatrics*, 149(1 Suppl 1):S97–S102, 01 2022. PMID: 34970676.
78. J. A. Muszynski, J. M. Cholette, M. E. Steiner, M. Tucci, A. Doctor, R. I. Parker, and Pediatric Organ Dysfunction Information Update Mandate (PODIUM) Collaborative (group authorship). Hematologic Dysfunction Criteria in Critically Ill Children: The PODIUM Consensus Conference. *Pediatrics*, 149(1 Suppl 1):S74–S78, 01 2022. PMID: 34970675.

79. M. W. Hall, J. A. Carcillo, T. Cornell, and Pediatric Organ Dysfunction Information Update Mandate (PODIUM) Collaborative (group authorship). Immune System Dysfunction Criteria in Critically Ill Children: The PODIUM Consensus Conference. *Pediatrics*, 149(1 Suppl 1):S91–S98, 01 2022. PMID: 34970674.
80. V. Srinivasan, J. H. Lee, K. Menon, J. J. Zimmerman, M. M. Bembea, M. S. D. Agus, and Pediatric Organ Dysfunction Information Update Mandate (PODIUM) Collaborative (group authorship). Endocrine Dysfunction Criteria in Critically Ill Children: The PODIUM Consensus Conference. *Pediatrics*, 149(1 Suppl 1):S84–S90, 01 2022. PMID: 34970672.
81. S. L. Weiss, J. A. Carcillo, F. Leclerc, S. Leteurtre, L. J. Schlapbach, P. Tissieres, J. L. Wynn, J. Lacroix, and Pediatric Organ Dysfunction Information Update Mandate (PODIUM) Collaborative (group authorship). Refining the Pediatric Multiple Organ Dysfunction Syndrome. *Pediatrics*, 149(1 Suppl 1):S13–S22, 01 2022. PMID: 34970671.
82. E. V. S. Faustino, O. Karam, R. I. Parker, S. J. Hanson, L. R. Brandão, P. Monagle, and Pediatric Organ Dysfunction Information Update Mandate (PODIUM) Collaborative (group authorship). Coagulation Dysfunction Criteria in Critically Ill Children: The PODIUM Consensus Conference. *Pediatrics*, 149(1 Suppl 1):S79–S83, 01 2022. PMID: 34970670.
83. K. Menon, L. J. Schlapbach, S. Akech, A. Argent, P. Biban, E. D. Carrol, K. Chiotos, M. Jobayer Chisti, I. V. R. Evans, D. P. Inwald, P. Ishimine, N. Kissoon, R. Lodha, S. Nadel, C. F. Oliveira, M. Peters, B. Sadeghirad, H. F. Scott, D. C. de Souza, P. Tissieres, R. S. Watson, M. O. Wiens, J. L. Wynn, J. J. Zimmerman, L. R. Sorce, and Pediatric Sepsis Definition Taskforce of the Society of Critical Care Medicine (group authorship). Criteria for Pediatric Sepsis—A Systematic Review and Meta-Analysis by the Pediatric Sepsis Definition Taskforce. *Crit Care Med*, 50(1):21–36, 01 2022. PMCID: PMC8670345.
84. A. Maddux, P. Mourani, K. Campbell, T. Carpenter, J. LaVelle, L. Pyle, R. Watson, and **T. D. Bennett**. Identifying Long-Term Morbidities and Health Trajectories after Prolonged Mechanical Ventilation in Children Using State All Payer Claims Data. *Pediatr Crit Care Med*, 23(4):e189–e198, 04 2022. PMCID: PMC9058185.
85. B. Martin, P. E. DeWitt, S. Russell, A. Anand, K. R. Bradwell, C. Bremer, D. Gabriel, A. T. Girvin, J. G. Hajagos, J. A. McMurry, A. J. Neumann, E. R. Pfaff, A. Walden, J. T. Wooldridge, Y. J. Yoo, J. Saltz, K. R. Gersing, C. G. Chute, M. A. Haendel, R. Moffitt, and **T. D. Bennett**. Characteristics, Outcomes, and Severity Risk Factors Associated With SARS-CoV-2 Infection Among Children in the US National COVID Cohort Collaborative. *JAMA Netw Open*, 5(2):e2143151, 02 2022. PMCID: PMC8826172.
86. P. M. Kochanek, P. D. Adelson, B. L. Rosario, J. Hutchison, N. Miller Ferguson, P. Ferrazzano, N. O'Brien, J. Beca, A. Sarnaik, K. LaRovere, **T. D. Bennett**, A. Deep, D. Gupta, F. A. Willyerd, S. Gao, S. R. Wisniewski, M. J. Bell, and ADAPT Investigators. Comparison of Intracranial Pressure Measurements Before and After Hypertonic Saline or Mannitol Treatment in Children With Severe

- Traumatic Brain Injury. *JAMA Netw Open*, 5(3):e220891, Mar 2022. PMID: 35267036.
87. M. D. Galbraith, K. T. Kinning, K. D. Sullivan, P. Araya, K. P. Smith, R. E. Granrath, J. R. Shaw, R. Baxter, K. R. Jordan, S. Russell, M. Dzieciatkowska, J. A. Reisz, F. Gamboni, F. Cendali, T. Ghosh, K. Guo, C. C. Wilson, M. L. Santiago, A. A. Monte, **T. D. Bennett**, K. C. Hansen, E. W. Y. Hsieh, A. D' Alessandro, and J. M. Espinosa. Specialized interferon action in COVID-19. *Proc Natl Acad Sci U S A*, 119(11), 03 2022. PMID: PMC8931386.
 88. N. R. Aggarwal, L. E. Beaty, **T. D. Bennett**, N. E. Carlson, C. B. Davis, B. M. Kwan, D. A. Mayer, T. C. Ong, S. Russell, J. Steele, A. F. Wogu, M. K. Wynia, R. D. Zane, and A. A. Ginde. Real World Evidence of the Neutralizing Monoclonal Antibody Sotrovimab for Preventing Hospitalization and Mortality in COVID-19 Outpatients. *J Infect Dis*, May 2022. PMID: 35576581.
 89. B. Martin, P. E. DeWitt, H. F. Scott, S. Parker, and **T. D. Bennett**. Machine Learning Approach to Predicting Absence of Serious Bacterial Infection at PICU Admission. *Hosp Pediatr*, May 2022. PMID: 35634885.
 90. K. R. Bradwell, J. T. Wooldridge, B. Amor, **T. D. Bennett**, A. Anand, C. Bremer, Y. J. Yoo, Z. Qian, S. G. Johnson, E. R. Pfaff, A. T. Girvin, A. Manna, E. A. Niehaus, S. S. Hong, X. T. Zhang, R. L. Zhu, M. Bissell, N. Qureshi, J. Saltz, M. A. Haendel, C. G. Chute, H. P. Lehmann, and R. A. Moffitt. Harmonizing units and values of quantitative data elements in a very large nationally pooled electronic health record (EHR) dataset. *J Am Med Inform Assoc*, 29(7):1172–1182, 06 2022. PMID: PMC9196692.
 91. L. Morin, M. Hall, D. de Souza, L. Guoping, R. Jabornisky, N. Shime, S. Ranjit, P. Gilholm, S. Nakagawa, J. J. Zimmerman, L. R. Sorce, A. Argent, N. Kissoon, P. Tissières, R. S. Watson, L. J. Schlapbach, and Pediatric Sepsis Definition Taskforce (group authorship). The Current and Future State of Pediatric Sepsis Definitions: An International Survey. *Pediatrics*, 149(6), Jun 2022. PMID: 35611643.
 92. E. R. Pfaff, A. T. Girvin, **T. D. Bennett**, A. Bhatia, I. M. Brooks, R. R. Deer, J. P. Dekermanjian, S. E. Jolley, M. G. Kahn, K. Kostka, J. A. McMurry, R. Moffitt, A. Walden, C. G. Chute, M. A. Haendel, and N3C Consortium. Identifying who has long COVID in the USA: a machine learning approach using N3C data. *Lancet Digit Health*, 4(7):e532–e541, 07 2022. PMID: PMC9110014.
 93. M. Vo, K. Miller, **T. D. Bennett**, P. M. Mourani, J. LaVelle, T. C. Carpenter, R. Scott Watson, L. L. Pyle, and A. B. Maddux. Postdischarge health resource use in pediatric survivors of prolonged mechanical ventilation for acute respiratory illness. *Pediatr Pulmonol*, 57(7):1651–1659, 07 2022. PMID: PMC9233134.
 94. M. J. Bell, B. L. Rosario, P. M. Kochanek, P. D. Adelson, K. P. Morris, A. K. Au, M. Schober, W. Butt, R. J. Edwards, J. Zimmerman, J. Pineda, T. M. Le, N. Dean, M. J. Whalen, A. Figaji, J. Luther, S. R. Beers, D. K. Gupta, J. Carpenter, S. Buttram, S. R. Wisniewski, and Approaches and Decisions for Acute Pediatric TBI (ADAPT) Investigators (group authorship). Comparative Effectiveness

- of Diversion of Cerebrospinal Fluid for Children With Severe Traumatic Brain Injury. *JAMA Netw Open*, 5(7):e2220969, 07 2022. PMID: PMC9270700.
95. B. Martin, P. E. DeWitt, S. Russell, L. N. Sanchez-Pinto, M. A. Haendel, R. Moffitt, and **T. D. Bennett**. Acute upper airway disease in children with the omicron (B.1.1.529) variant of SARS-CoV-2: a report from the US National COVID Cohort Collaborative (N3C). *JAMA Pediatr*, 176(8):819–821, 08 2022. PMID: PMC9012983.
 96. S. Rao, G. M. Lee, H. Razzaghi, V. Lorman, A. Mejias, N. M. Pajor, D. Thacker, R. Webb, K. Dickinson, L. C. Bailey, R. Jhaveri, D. A. Christakis, **T. D. Bennett**, Y. Chen, and C. B. Forrest. Clinical Features and Burden of Postacute Sequelae of SARS-CoV-2 Infection in Children and Adolescents. *JAMA Pediatr*, Aug 2022. PMID: PMC9396470.
 97. N. R. Aggarwal, L. E. Beaty, **T. D. Bennett**, N. E. Carlson, D. A. Mayer, K. C. Molina, J. Peers, S. Russell, M. K. Wynia, and A. A. Ginde. Change in Effectiveness of Sotrovimab for Preventing Hospitalization and Mortality for At-risk COVID-19 Outpatients During an Omicron BA.1 and BA.1.1-Predominant Phase. *Int J Infect Dis*, Oct 2022. PMID: PMC9549713.
 98. B. Martin, P. E. DeWitt (co-first authors), D. J. Albers, and **T. D. Bennett**. Development of a Pediatric Blood Pressure Percentile Tool for Clinical Decision Support. *JAMA Netw Open*, 5(10):e2236918, Oct 2022. PMID: PMC9577675.
 99. D. J. Douin, A. F. Wogu, L. E. Beaty, N. E. Carlson, **T. D. Bennett**, N. R. Aggarwal, D. A. Mayer, T. C. Ong, S. Russell, J. Steele, J. L. Peers, K. C. Molina, M. K. Wynia, and A. A. Ginde. Association between treatment failure and hospitalization after receipt of neutralizing monoclonal antibody treatment for COVID-19 outpatients. *BMC Infect Dis*, 22(1):818, Nov 2022. PMID: PMC9639288.
 100. M. B. Spear, K. Miller, C. Press, C. Ruzas, J. LaVelle, P. M. Mourani, **T. D. Bennett**, and A. B. Maddux. Unplanned Admissions, Emergency Department Visits, and Epilepsy After Critical Neurological Illness Requiring Prolonged Mechanical Ventilation in Children. *Neurohospitalist*, 13(1):31–39, Jan 2023. PMID: PMC9755613.
 101. N. R. Aggarwal, K. C. Molina, L. E. Beaty, **T. D. Bennett**, N. E. Carlson, D. A. Mayer, J. L. Peers, S. Russell, M. K. Wynia, and A. A. Ginde. Real-world use of nirmatrelvir-ritonavir in outpatients with COVID-19 during the era of omicron variants including BA.4 and BA.5 in Colorado, USA: a retrospective cohort study. *Lancet Infect Dis*, Feb 2023. PMID: 36780912.
 102. A. Mejias, J. Schuchard, S. Rao, **T. D. Bennett**, R. Jhaveri, D. Thacker, L. C. Bailey, D. A. Christakis, N. M. Pajor, H. Razzaghi, C. B. Forrest, and G. M. Lee. Leveraging Serologic Testing to Identify Children at Risk For Post-Acute Sequelae of SARS-CoV-2 Infection: An Electronic Health Record-Based Cohort Study from the RECOVER Program. *J Pediatr*, Feb 2023. PMID: PMC9943558.

103. E. R. Pfaff, C. Madlock-Brown, J. M. Baratta, A. Bhatia, H. Davis, A. Girvin, E. Hill, E. Kelly, K. Kostka, J. Loomba, J. A. McMurry, R. Wong, **T. D. Bennett**, R. Moffitt, C. G. Chute, M. Haendel, N3C Consortium, and RECOVER Consortium. Coding long COVID: characterizing a new disease through an ICD-10 lens. *BMC Med*, 21(1):58, Feb 2023. PMID: PMC9931566.
104. T. M. Sullivan, G. J. Sippel, E. A. Matison, W. V. Gestrich-Thompson, P. E. DeWitt, M. A. Carlisle, D. Oluigbo, C. Oluigbo, **T. D. Bennett**, and R. S. Burd. Development and Validation of a Bayesian Network Predicting Neurosurgical Intervention after Injury in Children and Adolescents. *J Trauma Acute Care Surg*, Mar 2023. PMID: 36917100.
105. R. Jhaveri, R. Webb, H. Razzaghi, J. Schuchard, A. Mejias, **T. D. Bennett**, P.-N. Jone, D. Thacker, G. S. Schulert, C. Rogerson, J. D. Cogen, L. Charles Bailey, C. B. Forrest, G. M. Lee, S. Rao, and RECOVER consortium. Can Multisystem Inflammatory Syndrome in Children Be Managed in the Outpatient Setting? An EHR-Based Cohort Study From the RECOVER Program. *J Pediatric Infect Dis Soc*, 12(3):159–162, Apr 2023. PMID: PMC10112676.
106. K. Menon, L. R. Sorce, A. Argent, **T. D. Bennett**, E. D. Carrol, N. Kissoon, L. N. Sanchez-Pinto, L. J. Schlapbach, D. C. de Souza, R. S. Watson, J. L. Wynn, J. J. Zimmerman, S. Ranjit, and Pediatric Sepsis Definition Taskforce. Reporting of Social Determinants of Health in Pediatric Sepsis Studies. *Pediatr Crit Care Med*, 24(4):301–310, Apr 2023. PMID: 36696549.
107. E. D. Carrol, S. Ranjit, K. Menon, **T. D. Bennett**, L. N. Sanchez-Pinto, J. J. Zimmerman, D. C. Souza, L. R. Sorce, A. G. Randolph, P. Ishimine, C. Flauzino de Oliveira, R. Lodha, L. Harmon, R. S. Watson, L. J. Schlapbach, N. Kissoon, A. C. Argent, and Society of Critical Care Medicine’s Pediatric Sepsis Definition Taskforce. Operationalizing Appropriate Sepsis Definitions in Children Worldwide: Considerations for the Pediatric Sepsis Definition Taskforce. *Pediatr Crit Care Med*, Apr 2023. PMID: 37097029.
108. P. Leese, A. Anand, A. Girvin, A. Manna, S. Patel, Y. J. Yoo, R. Wong, M. Haendel, C. G. Chute, **T. Bennett**, J. Hajagos, E. Pfaff, and R. Moffitt. Clinical encounter heterogeneity and methods for resolving in networked EHR data: a study from N3C and RECOVER programs. *J Am Med Inform Assoc*, Apr 2023. PMID: 37087110.
109. H. L. Mandel, G. Colleen, S. Abedian, N. Ammar, L. C. Bailey, **T. D. Bennett**, M. D. Brannock, S. B. Brosnahan, Y. Chen, C. G. Chute, J. Divers, M. D. Evans, M. Haendel, M. A. Hall, K. Hirabayashi, M. Hornig, S. D. Katz, A. C. Krieger, J. Loomba, V. Lorman, D. R. Mazzotti, J. McMurry, R. A. Moffitt, N. M. Pajor, E. Pfaff, J. Radwell, H. Razzaghi, S. Redline, E. Seibert, A. Sekar, S. Sharma, T. Thaweethai, M. G. Weiner, Y. J. Yoo, A. Zhou, and L. E. Thorpe. Risk of post-acute sequelae of SARS-CoV-2 infection associated with pre-coronavirus disease obstructive sleep apnea diagnoses: an electronic health record-based analysis from the RECOVER initiative. *Sleep*, May 2023. PMID: 37166330.
110. M. K. Wynia, L. E. Beaty, **T. D. Bennett**, N. E. Carlson, C. B. Davis, B. M. Kwan, D. A. Mayer, T. C. Ong, S. Russell, J. D. Steele, H. R. Stocker, A. F. Wogu,

- R. D. Zane, R. J. Sokol, and A. A. Ginde. Real-World Evidence of Neutralizing Monoclonal Antibodies for Preventing Hospitalization and Mortality in COVID-19 Outpatients. *Chest*, 163(5):1061–1070, May 2023. PMID: PMC9613796.
111. T. J. Callahan, A. L. Stefanski, J. M. Wyrwa, C. Zeng, A. Ostropelets, J. M. Banda, W. A. Baumgartner, Jr, R. D. Boyce, E. Casiraghi, B. D. Coleman, J. H. Collins, S. J. Deakyne Davies, J. A. Feinstein, A. Y. Lin, B. Martin, N. A. Matentzoglou, D. Meeker, J. Reese, J. Sinclair, S. B. Taneja, K. E. Trinkley, N. A. Vasilevsky, A. E. Williams, X. A. Zhang, J. C. Denny, P. B. Ryan, G. Hripcsak, **T. D. Bennett**, M. A. Haendel, P. N. Robinson, L. E. Hunter, and M. G. Kahn. Ontologizing health systems data at scale: making translational discovery a reality. *NPJ Digit Med*, 6(1):89, May 2023. PMID: PMC10196319.
 112. K. C. Molina, V. Kennerley, L. E. Beaty, **T. D. Bennett**, N. E. Carlson, D. A. Mayer, J. L. Peers, S. Russell, M. K. Wynia, N. R. Aggarwal, and A. A. Ginde. Real-world evaluation of bebtelovimab effectiveness during the period of COVID-19 Omicron variants, including BA.4/BA.5. *Int J Infect Dis*, 132:34–39, Jul 2023. PMID: PMC10106116.
 113. V. Lorman, H. Razzaghi, X. Song, K. Morse, L. Utidjian, A. J. Allen, S. Rao, C. Rogerson, **T. D. Bennett**, H. Morizono, D. Eckrich, R. Jhaveri, Y. Huang, D. Ranade, N. Pajor, G. M. Lee, C. B. Forrest, and L. C. Bailey. A machine learning-based phenotype for long COVID in children: An EHR-based study from the RECOVER program. *PLoS One*, 18(8):e0289774, 2023. PMID: PMC10414557.
 114. M. R. Atreya, **T. D. Bennett**, A. Geva, E. V. S. Faustino, C. M. Rogerson, R. Lutfi, N. Z. Cvijanovich, M. T. Bigham, J. Nowak, A. J. Schwarz, T. Baines, B. Haileselassie, N. J. Thomas, Y. Luo, L. N. Sanchez-Pinto, and Novel Data-Driven Sepsis Phenotypes in Children Study and the Genomics of Pediatric Septic Shock Investigators. External validation and biomarker assessment of a high-risk, data-driven pediatric sepsis phenotype characterized by persistent hypoxemia, encephalopathy, and shock. *Res Sq*, Aug 2023. PMID: PMC10418531.
 115. T. Bergquist, M. Wax, **T. D. Bennett**, R. A. Moffitt, J. Gao, G. Chen, A. Telenti, M. C. Maher, I. Bartha, L. Walker, B. E. Orwoll, M. Mishra, J. Alamgir, B. L. Cragin, C. H. Ferguson, H.-H. Wong, A. Deslattes Mays, L. Misquitta, K. A. DeMarco, K. L. Sciarretta, and S. A. Patel. A framework for future national pediatric pandemic respiratory disease severity triage: The HHS pediatric COVID-19 data challenge. *J Clin Transl Sci*, 7(1):e175, 2023. PMID: PMC10514686.
 116. K. E. Trinkley, G. Wright, L. A. Allen, **T. D. Bennett**, R. E. Glasgow, G. Hale, S. Heckman, A. G. Huebschmann, M. G. Kahn, D. P. Kao, C.-T. Lin, D. C. Malone, D. D. Matlock, L. Wells, V. Wysocki, S. Zhang, and K. Suresh. Sustained Effect of Clinical Decision Support for Heart Failure: A Natural Experiment Using Implementation Science. *Appl Clin Inform*, 14(5):822–832, Oct 2023. PMID: PMC10584394.
 117. E. L. Hill, H. B. Mehta, S. Sharma, K. Mane, S. K. Singh, C. Xie, E. Cathey, J. Loomba, S. Russell, H. Spratt, P. E. DeWitt, N. Ammar, C. Madlock-Brown,

- D. Brown, J. A. McMurry, C. G. Chute, M. A. Haendel, R. Moffitt, E. R. Pfaff, **T. D. Bennett**, N3C Consortium, and and the RECOVER Consortium. Risk factors associated with post-acute sequelae of SARS-CoV-2: an N3C and NIH RECOVER study. *BMC Public Health*, 23(1):2103, Oct 2023. PMID: PMC10601201.
118. A. Jimenez-Zambrano, C. Ritger, M. Rebull, M. O. Wiens, O. Kabajaasi, J. C. Jaramillo-Bustamante, A. C. Argent, N. Kissoon, L. J. Schlapbach, L. R. Sorce, R. S. Watson, B. Dorsey Holliman, L. N. Sanchez-Pinto, and **T. D. Bennett**. BDH, LNSP and TDB contributed equally. Clinical decision support tools for paediatric sepsis in resource-poor settings: an international qualitative study. *BMJ Open*, 13(10):e074458, Oct 2023. PMID: PMC10603473.
 119. L. N. Sanchez-Pinto, **T. D. Bennett**, E. K. Stroup, Y. Luo, M. Atreya, J. Bubeck Wardenburg, G. Chong, A. Geva, E. V. S. Faustino, R. W. Farris, M. W. Hall, C. Rogerson, S. S. Shah, S. L. Weiss, and R. G. Khemani. Derivation, Validation, and Clinical Relevance of a Pediatric Sepsis Phenotype With Persistent Hypoxemia, Encephalopathy, and Shock. *Pediatr Crit Care Med*, 24(10):795–806, Oct 2023. PMID: PMC10540758.
 120. B. D. Lyttle, M. L. Reppucci, C. Prendergast, I. A. Ziogas, S. Tong, S. N. Acker, S. Milla, J. J. Tutman, A. Rutherford, J. Orsborn, **T. D. Bennett**, L. DeCamp, and J. L. Diaz-Miron. Quality Improvement Campaign Improved Utilization of Rapid Sequence MRI for Diagnosis of Pediatric Appendicitis. *J Pediatr Surg*, 58(11):2171–2180, Nov 2023. PMID: 37353392.
 121. R. M. Wösten-van Asperen, H. M. la Roi-Teeuw, R. B. van Amstel, L. D. Bos, W. J. Tissing, I. Jordan, C. Dohna-Schwake, G. Bottari, J. Pappachan, R. Crazzolaro, R. I. Comoretto, A. Mizia-Malarz, A. Moscatelli, M. Sánchez-Martín, J. Willems, C. M. Rogerson, **T. D. Bennett**, Y. Luo, M. R. Atreya, E. V. S. Faustino, A. Geva, S. L. Weiss, L. J. Schlapbach, L. N. Sanchez-Pinto, POKER (PICU Oncology Kids in Europe Research group) research consortium of ESPNIC (European Society of Paediatric & Neonatal Intensive Care), and, and Novel Data-Driven Sepsis Phenotypes in Children study group. Distinct clinical phenotypes in paediatric cancer patients with sepsis are associated with different outcomes-an international multicentre retrospective study. *EClinicalMedicine*, 65:102252, Nov 2023. PMID: PMC10570699.
 122. Y. Wang, J. N. Stroh, G. Hripcsak, C. C. L. Wang, **T. D. Bennett**, J. Wrobel, C. Der Nigoghossian, S. Mueller, J. Claassen, and D. J. Albers. A methodology of phenotyping ICU patients from EHR data: High-fidelity, personalized, and interpretable phenotypes estimation. *J Biomed Inform*, page 104547, Nov 2023. PMID: 37984547.
 123. P. E. DeWitt, M. A. Rebull, and **T. D. Bennett**. Open source and reproducible and inexpensive infrastructure for data challenges and education. *Sci Data*, 11(1):8, Jan 2024. PMID: PMC10762166.
 124. L. J. Schlapbach*, R. S. Watson*, L. R. Sorce, A. C. Argent, K. Menon, M. W. Hall, S. Akech, D. J. Albers, E. R. Alpern, F. Balamuth, M. Bembea, P. Biban, E. D. Carrol, K. Chiotos, M. J. Chisti, P. E. DeWitt, I. Evans, C. Flauzino de Oliveira, C. M. Horvat, D. Inwald, P. Ishimine, J. C. Jaramillo-Bustamante, M. Levin,

- R. Lodha, B. Martin, S. Nadel, S. Nakagawa, M. J. Peters, A. G. Randolph, S. Ranjit, M. N. Rebull, S. Russell, H. F. Scott, D. C. de Souza, P. Tissieres, S. L. Weiss, M. O. Wiens, J. L. Wynn, N. Kissoon, J. J. Zimmerman, L. N. Sanchez-Pinto**, **T. D. Bennett****, and the Society of Critical Care Medicine Pediatric Sepsis Definition Task Force. *co-first authors, **co-senior authors. International Consensus Criteria for Pediatric Sepsis and Septic Shock. *JAMA*, 331(8):665–674, Feb 2024. PMID: PMC10900966.
125. L. N. Sanchez-Pinto*, **T. D. Bennett***, P. E. DeWitt, S. Russell, M. N. Rebull, B. Martin, S. Akech, D. J. Albers, E. R. Alpern, F. Balamuth, M. Bembea, M. J. Chisti, I. Evans, C. M. Horvat, J. C. Jaramillo-Bustamante, N. Kissoon, K. Menon, H. F. Scott, S. L. Weiss, M. O. Wiens, J. J. Zimmerman, A. C. Argent, L. R. Sorce, L. J. Schlapbach**, R. S. Watson**, and the Society of Critical Care Medicine Pediatric Sepsis Definition Task Force *co-first authors, **co-senior authors. Development and Validation of the Phoenix Criteria for Pediatric Sepsis and Septic Shock. *JAMA*, 331(8):675–686, Feb 2024. PMID: PMC10900964.
 126. S. K. Wendel, A. F. Wogu, N. E. Carlson, L. Beaty, **T. D. Bennett**, K. Bookman, D. A. Mayer, S. M. Michael, K. C. Molina, J. L. Peers, S. Russell, R. D. Zane, and A. A. Ginde. Effectiveness of subcutaneous monoclonal antibody treatment in emergency department outpatients with COVID-19. *J Am Coll Emerg Physicians Open*, 5(1):e13116, Feb 2024. PMID: PMC10879902.
 127. N. R. Aggarwal, L. E. Beaty, **T. D. Bennett**, L. E. Fish, J. R. Jacobs, D. A. Mayer, K. C. Molina, J. L. Peers, D. B. Richardson, S. Russell, A. Varela, B. J. Webb, M. K. Wynia, M. Xiao, N. E. Carlson, and A. A. Ginde. Real-world use of nirmatrelvir-ritonavir in COVID-19 outpatients during BQ.1, BQ.1.1., and XBB.1.5 predominant omicron variants in three U.S. health systems: a retrospective cohort study. *Lancet Reg Health Am*, 31:100693, Mar 2024. PMID: PMC10945426.
 128. S. C. Roberts, S. E. Jolley, L. E. Beaty, N. R. Aggarwal, **T. D. Bennett**, N. E. Carlson, L. E. Fish, B. M. Kwan, S. Russell, A. F. Wogu, M. A. Wynia, and A. A. Ginde. Association between monoclonal antibody therapy, vaccination, and longer-term symptom resolution after acute COVID-19. *J Med Virol*, 96(3):e29541, Mar 2024. PMID: PMC10963040.
 129. J. A. Heneghan, S. B. Walker, A. Fawcett, **T. D. Bennett**, A. C. Dziorny, L. N. Sanchez-Pinto, R. W. D. Farris, M. C. Winter, C. Badke, B. Martin, S. R. Brown, M. C. McCrory, M. Ness-Cochinwala, C. Rogerson, O. Baloglu, I. Harwayne-Gidansky, M. R. Hudkins, R. Kamaleswaran, S. Gangadharan, S. Tripathi, E. A. Mendonca, B. P. Markovitz, A. Mayampurath, M. C. Spaeder, and Pediatric Data Science and Analytics (PEDAL) subgroup of the Pediatric Acute Lung Injury and Sepsis Investigators (PALISI) Network. The Pediatric Data Science and Analytics Subgroup of the Pediatric Acute Lung Injury and Sepsis Investigators Network: Use of Supervised Machine Learning Applications in Pediatric Critical Care Medicine Research. *Pediatr Crit Care Med*, 25(4):364–374, Apr 2024. PMID: PMC10994770.
 130. T. J. Callahan, I. J. Tripodi, A. L. Stefanski, L. Cappelletti, S. B. Taneja, J. M. Wyrwa, E. Casiraghi, N. A. Matentzoglou, J. Reese, J. C. Silverstein, C. T. Hoyt,

- R. D. Boyce, S. A. Malec, D. R. Unni, M. P. Joachimiak, P. N. Robinson, C. J. Mungall, E. Cavalleri, T. Fontana, G. Valentini, M. Mesiti, L. A. Gillenwater, B. Santangelo, N. A. Vasilevsky, R. Hoehndorf, **T. D. Bennett**, P. B. Ryan, G. Hripcsak, M. G. Kahn, M. Bada, W. A. Baumgartner, Jr, and L. E. Hunter. An open source knowledge graph ecosystem for the life sciences. *Sci Data*, 11(1):363, Apr 2024. PMID: PMC11009265.
131. A. B. Maddux, K. R. Miller, Y. L. Sierra, **T. D. Bennett**, R. S. Watson, M. Spear, L. L. Pyle, and P. M. Mourani. Recovery Trajectories in Children Requiring 3 or More Days of Invasive Ventilation. *Crit Care Med*, 52(5):798–810, May 2024. PMID: PMC11018493.
 132. M. R. Atreya, **T. D. Bennett**, A. Geva, E. V. S. Faustino, C. M. Rogerson, R. Lutfi, N. Z. Cvijanovich, M. T. Bigham, J. Nowak, A. J. Schwarz, T. Baines, B. Haileselassie, N. J. Thomas, Y. Luo, L. N. Sanchez-Pinto, and Novel Data-Driven Sepsis Phenotypes in Children Study and the Genomics of Pediatric Septic Shock Investigators. Biomarker Assessment of a High-Risk, Data-Driven Pediatric Sepsis Phenotype Characterized by Persistent Hypoxemia, Encephalopathy, and Shock. *Pediatr Crit Care Med*, 25(6):512–517, Jun 2024. PMID: PMC11153020.
 133. G. E. Logan, R. K. Banks, R. Reeder, K. Miller, P. M. Mourani, **T. D. Bennett**, S. L. Bourque, K. L. Meert, J. Zimmerman, and A. B. Maddux. Association of an In-Hospital Desirability of Outcomes Ranking Scale With Postdischarge Health-Related Quality of Life: A Secondary Analysis of the Life After Pediatric Sepsis Evaluation. *Pediatr Crit Care Med*, 25(6):528–537, Jun 2024. PMID: PMC11153013.
 134. K. C. Molina, B. J. Webb, V. Kennerley, L. E. Beaty, **T. D. Bennett**, N. E. Carlson, D. A. Mayer, J. L. Peers, S. Russell, M. K. Wynia, N. R. Aggarwal, and A. A. Ginde. Real-world evaluation of early remdesivir in high-risk COVID-19 outpatients during Omicron including BQ.1/BQ.1.1/XBB.1.5. *BMC Infect Dis*, 24(1):802, Aug 2024. PMID: PMC11312999.
 135. L. N. Sanchez-Pinto, M. Del Pilar Arias López, H. Scott, K. Gibbons, M. Moor, R. S. Watson, M. O. Wiens, L. J. Schlapbach, and **T. D. Bennett**. Digital solutions in paediatric sepsis: current state, challenges, and opportunities to improve care around the world. *Lancet Digit Health*, 6(9):e651–e661, Sep 2024. PMID: PMC11371309.
 136. J. N. Stroh, B. Foreman, **T. D. Bennett**, J. K. Briggs, S. Park, and D. J. Albers. Intracranial pressure-flow relationships in traumatic brain injury patients expose gaps in the tenets of models and pressure-oriented management. *Front Physiol*, 15:1381127, 2024. PMID: PMC11345185.
 137. M. Xiao, K. C. Molina, N. R. Aggarwal, L. E. Beaty, **T. D. Bennett**, N. E. Carlson, L. E. Fish, M. K. Hamer, B. M. Kwan, D. A. Mayer, J. L. Peers, M. K. Wynia, and A. A. Ginde. A Machine Learning Method for Allocating Scarce COVID-19 Monoclonal Antibodies. *JAMA Health Forum*, 5(9):e242884, Sep 2024. PMID: PMC11400220.

138. P. E. DeWitt, S. Russell, M. N. Rebull, L. N. Sanchez-Pinto, and **T. D. Bennett**. phoenix: an R package and Python module for calculating the Phoenix pediatric sepsis score and criteria. *JAMIA Open*, 7(3):ooae066, Oct 2024. PMID: PMC11223841.

LETTERS TO THE
EDITOR

1. **T. D. Bennett**, K. N. Hayward, S. Ringold, C. A. Wallace, R. W. D. Farris, and T. V. Brogan. Authors reply regarding: Intensive care requirement, rather than degree of serum ferritin elevation, predicts mortality in macrophage activation syndrome. *Pediatr Crit Care Med*, 13(5):616–7, 2012.
2. **T. D. Bennett**, T. H. Greene, and H. T. Keenan. Functional Outcome After Intracranial Pressure Monitoring-Reply. *JAMA Pediatr*, 172(4):393, Apr 2018. PMID: 5882579.
3. **T. D. Bennett**, A. C. Argent, and L. N. Sanchez-Pinto. Phoenix Criteria for Pediatric Sepsis and Septic Shock-Reply. *JAMA*, 331(23):2050–2051, Jun 2024. PMID: PMC11236264.

EDITORIALS

1. **T. D. Bennett** and S. L. Bratton. Age-specific cerebral perfusion pressure thresholds. *Pediatr Crit Care Med*, 15(1):86–87, Jan 2014. PMID: 24389712.
2. **T. D. Bennett**. Functional status after pediatric critical care: is it the disease, the cure, or both? *Pediatr Crit Care Med*, 16(4):377–378, May 2015. PMID: 25946262.
3. A. B. Maddux and **T. D. Bennett**. Mortality After Pediatric Critical Illness: Made It Home, Still Vulnerable. *Pediatr Crit Care Med*, 19(3):272–273, Mar 2018. PMID: 5836481.
4. M. A. Carlisle and **T. D. Bennett**. Phenotyping in Pediatric Traumatic Brain Injury. *Pediatr Crit Care Med*, 19(10):998–999, Oct 2018. PMID: 6183062.
5. M. M. Loi, S. C. Derderian, and **T. D. Bennett**. Tranexamic Acid and Seizures in Pediatric Trauma. *Pediatr Crit Care Med*, 19(12):1177–1178, Dec 2018. PMID: 6287265.
6. B. Martin and **T. D. Bennett**. Sepsis Computable Phenotypes in the Service of Observational Research. *Crit Care Med*, 47(2):303–305, Feb 2019. PMID: PMC6338417.
7. J. N. Stroh, D. J. Albers, and **T. D. Bennett**. Personalization and Pragmatism: Pediatric Intracranial Pressure and Cerebral Perfusion Pressure Treatment Thresholds. *Pediatr Crit Care Med*, 22(2):213–216, Feb 2021. PMID: PMC7861119.
8. **T. D. Bennett**, S. Russell, and D. J. Albers. Neural Networks for Mortality Prediction: Ready for Prime Time? *Pediatr Crit Care Med*, 22(6):578–581, Jun 2021. PMID: PMC8188609.
9. H. F. Scott and **T. D. Bennett**. Automated emergency department sepsis screening appears superior to manual screening. *J Pediatr*, 234:286–288, Jul 2021. PMID: 34172164.

10. L. N. Sanchez-Pinto and **T. D. Bennett**. Evaluation of Machine Learning Models for Clinical Prediction Problems. *Pediatr Crit Care Med*, 23(5):405–408, May 2022. PMID: PMC9177058.
11. B. Martin, S. Rao, and **T. D. Bennett**. Disparities in Multisystem Inflammatory Syndrome in Children and COVID-19 Across the Organ Dysfunction Continuum. *JAMA Netw Open*, 6(1):e2249552, Jan 2023. PMID: 36602806.
12. **T. D. Bennett**. Pediatric Deterioration Detection Using Machine Learning. *Pediatr Crit Care Med*, 24(4):347–349, Apr 2023. PMID: PMC10083886.
13. J. Mitchell and **T. D. Bennett**. Navigating Complexity: Enhancing Pediatric Diagnostics With Large Language Models. *Pediatr Crit Care Med*, 25(6):577–580, Jun 2024. PMID: PMC11160974.

REVIEWS IN
OTHER JOURNALS

1. **T. D. Bennett** and J. J. Zimmerman. Current treatment of pediatric sepsis. *Emergency Medicine and Critical Care Reviews*, 4(1):55–57, 2008.

OTHER
SCHOLARSHIP
PRODUCTS

1. H. Schwid and **T. D. Bennett**. Anesoft Pediatrics Simulator Software. Author of 5 pediatric simulator cases. (available at <http://anesoft.com>).
2. **T. D. Bennett** and J. DiCarlo. Pediatric Existing Data AnaLysis (PEDAL) Data Source Registry. (available at pedal.vpicu.net).
3. P. E. DeWitt, **T. Bennett**, J. Feinstein, and S. Russell. pccc: R package for Pediatric Complex Chronic Conditions (available at <https://CRAN.R-project.org/package=pccc>)
4. P. E. DeWitt and **T. Bennett**. ensr: Elastic Net Searcher (available at <https://CRAN.R-project.org/package=ensr>)
5. P. E. DeWitt, B. Martin, D. Albers, and **T. Bennett**. pedbp: Pediatric Blood Pressure (available at <https://cran.r-project.org/web/packages/pedbp/index.html>)
6. P. E. DeWitt, S. Russell, M. Rebull, L. N. Sanchez-Pinto, and **T. Bennett**. phoenix: The Phoenix Pediatric Sepsis and Septic Shock Criteria (available at <https://CRAN.R-project.org/package=phoenix>)

GOVERNMENT
REPORTS

1. D. K. Runyan, S. Svendsen, A. Chiesa, J. Fluke, D. Lindberg, and **T. D. Bennett**. Developing a national surveillance approach for abusive head trauma. Technical report, Administration on Children, Youth, and Families (U.S. Dept. of Health and Human Services), 2015.

ABSTRACTS

1. W. S. Queale, **T. D. Bennett**, G. S. Smith, and E. G. Macfarland.
Epidemiology of College Baseball Injuries:
Analysis of the NCAA Injury Surveillance System.
American College of Sports Medicine Annual Meeting, 2001. Poster.
2. B. Coleman, J. Reid, D. Rubens, **T. D. Bennett**, D. Peterson, and L. Quan.
Impact of Human Patient Simulators on Pediatric Resuscitation Training.
Pediatric Academic Societies Annual Meeting, 2007. Poster.
3. **T. Bennett**, S. Bhananker, J. Roberts, and H. Schwid.
Screen-based Pediatric and Critical Care Simulator.
Society for Simulation in Health Care Annual Meeting, 2008. Works in Progress
Syllabus Abstract.
4. **T. D. Bennett**, K. Hayward, R. Farris, S. Ringold, C. Wallace, and T. Brogan.
Mortality and Critical Care among Pediatric Patients with Very High Serum
Ferritin Levels. Section on Critical Care, American Academy of Pediatrics
National Conference and Exhibition, 2008. Oral presentation.
5. K. Hayward, **T. D. Bennett**, S. Ringold, R. Farris, T. Brogan, and C. Wallace.
Epidemiology of Extremely Elevated Ferritin Levels in Children: Experience
from a Tertiary Care Pediatric Hospital. American College of Rheumatology
Annual Meeting, 2008. Poster.
6. **T. D. Bennett**, K. D. Statler, K. M. Adalgais, and S. L. Bratton.
Pre-Hospital Oxygen Saturation and Blood Pressure Monitoring and Correction
in Children vs. Adults. Pediatric Academic Societies Annual Meeting, 2010.
Poster.
7. K. L. Liesemer, J. Riva-Cambrin, **T. D. Bennett**, S. L. Bratton and K. D. Statler.
Use of the Marshall and Rotterdam CT scores to predict hospital outcomes in
pediatric traumatic brain injury. Pediatric Academic Societies Annual Meeting,
2011. Poster.
8. C. M. Niedzwecki and **T. D. Bennett**.
Physical and Occupational Therapy Initiation Patterns at Children's Hospitals
across the United States in Children and Adolescents with TBI. American Association
of Physical Medicine and Rehabilitation Annual Conference, 2011. Poster.
9. **T. D. Bennett**, M. Fluchel, A. O. Hersh, A. L. Hersh, T. V. Brogan, R. Srivastava,
K. Hayward, B. Stone, K. Korgenski, M. B. Mundorff, T. C. Casper, and S. L.
Bratton. Diagnoses, Interventions, and Outcomes in children with hemophagocytic
lymphohistiocytosis and macrophage activation syndrome.
Annual Meeting of Histiocyte Society, 2011. Oral presentation.
10. R. R. Dixon, K. Korgenski, **T. D. Bennett**, and S. L. Bratton.
Ability to provide CPP-directed therapy results in more aggressive care and less
mortality in a large cohort of children with TBI.
Pediatric Critical Care Colloquium, 2012. Oral presentation.

11. A. O. Hersh, T. C. Casper, **T. D. Bennett**, S. L. Bratton, J. F. Bohnsack, and R. Srivastava. Hospitalizations for childhood-onset systemic lupus erythematosus in the pediatric health information system database. American College of Rheumatology Annual Meeting, 2012. Poster.
12. C. Freeman, **T. Bennett**, A. Hubbard, J. Wilkes, G. Larsen, and S. Bratton. Pediatric and Neonatal ECMO: Does Center Volume Impact Mortality?. Extracorporeal Life Support Organization Annual Conference, 2012. Poster.
13. R. R. Dixon, K. Korgenski, **T. Bennett**, and S. Bratton. Identifiable risk factors for venous thrombosis in a large cohort of children with severe TBI. Society for Critical Care Medicine Annual Congress, 2013. Poster.
14. C. Freeman, **T. Bennett**, A. Hubbard, J. Wilkes, G. Larsen, and S. Bratton. Pediatric and Neonatal ECMO: Does Center Volume Impact Mortality?. Society for Critical Care Medicine Annual Congress, 2013. Oral presentation.
15. D. S. Tawfik, **T. D. Bennett**, B. Welch, and W. B. Poss. Use of High Frequency Percussive Ventilation and High Frequency Oscillatory Ventilation in the PICU. Conference on High Frequency Ventilation of Infants, Children and Adults, 2014. Oral presentation.
16. D. S. Tawfik, **T. D. Bennett**, B. Welch, and W. B. Poss. Use of High Frequency Percussive Ventilation and High Frequency Oscillatory Ventilation in the PICU. Pediatric Academic Societies Annual Meeting, 2014. Poster.
17. **T. D. Bennett**, J. M. Dean, H. T. Keenan, M. McGlincy, A. Thomas, and L. S. Cook. Medical Record Linkage Without Protected Health Information: Creation of a Linked Dataset for Outcomes Research in Pediatric Traumatic Brain Injury. Pediatric Academic Societies Annual Meeting, 2014. Poster.
18. **T. D. Bennett**, J. M. Dean, H. T. Keenan, M. McGlincy, A. Thomas, and L. S. Cook. Medical Record Linkage Without Protected Health Information: Creation of a Linked Dataset for Outcomes Research in Pediatric Traumatic Brain Injury. International Health Data Linkage Conference, 2014. Oral presentation.
19. M. T. Hamele, S. L. Bratton, M. Woolley, **T. D. Bennett**, and R. R. Metzger. Microbiology and Risk Factors for Ventilator-Associated Pneumonia in Pediatric Traumatic Brain Injury. American Academy of Pediatrics National Conference and Exhibition, 2014. Poster.
20. M. M. Cirulis, M. T. Hamele, R. R. Metzger, **T. D. Bennett**, and S. L. Bratton. Comparing the New CDC Criteria for "Ventilator-Associated Condition" to a Clinical Diagnosis of Ventilator-Associated Pneumonia in Pediatric Traumatic Brain Injury. American Academy of Pediatrics National Conference and Exhibition, 2014. Poster.
21. M. T. Hamele, C. Stockmann, M. M. Cirulis, R. R. Metzger, **T. D. Bennett**, and S. L. Bratton. Assessment of CDC Ventilator-Associated Condition Criteria in high risk pediatric patients. Society for Critical Care Medicine Annual Congress, 2015. Poster.

22. L. J. Cook, M. Dai, N. C. Mann, and **T. D. Bennett**. Pre-Hospital Care of Children with Traumatic Brain Injury. Pediatric Trauma Society Annual Meeting, 2015. Poster.
23. **T. D. Bennett**, R. R. Dixon, C. Kartchner, P. E. DeWitt, Y. Sierra, D. Ladell, A. Kempe, D. K. Runyan, J. M. Dean, and H. T. Keenan. Functional Status Scale in Children with TBI: A Prospective Cohort Study. World Congress on Pediatric Intensive and Critical Care, 2016. Poster.
24. C. Kartchner, R. R. Dixon, P. E. DeWitt, Y. Sierra, D. Ladell, J. M. Dean, H. T. Keenan, and **T. D. Bennett**. Neurosurgical Interventions in Children with Severe Traumatic Brain Injury: A Prospective Cohort Study. Western Pediatric Trauma Conference, 2016. Oral presentation.
25. **T. D. Bennett**, P. E. DeWitt, E. Juarez-Colunga, and L. J. Cook. Probabilistic Linkage of Two National Databases to Study Emergency Care and Hospital Readmission in Children who Survive Traumatic Injury. International Population Data Linkage Network Conference, 2016. Oral presentation.
26. L. J. Cook, **T. D. Bennett**, N. C. Mann, and M. Dai. Pre-Hospital Care of Children with Moderate to Severe TBI. American Public Health Association Annual Meeting, 2016. Poster.
27. P. E. DeWitt, **T. D. Bennett**. Collaborative Reproducible Reporting: Git Submodules as a Data Security Solution. 10th International Joint Conference on Biomedical Engineering Systems and Technologies, February 2017. Oral presentation.
28. **T. D. Bennett**, C. Sevick, M. Cox-Martin, M. Gritz, C. Okada, and M. G. Kahn. Medical Needs after Pediatric Traumatic Brain Injury: Probabilistic Linkage of State Claims Data with Trauma Center Data. International Population Data Linkage Network Conference, 2018. Oral presentation.
29. T. C. Hankinson, R. Marsh, J. Maertens, A. Rutebemberwa, D. Matlock, and **T. D. Bennett**. Multidisciplinary Decision-making in Post-Traumatic ICP Monitor Placement: Use of Qualitative Methods in the Design of a Decision-Support Tool. Annual Meeting of the International Society for Pediatric Neurosurgery, 2018. Oral presentation.
30. **T. D. Bennett**, T. C. Hankinson, R. Marsh, J. Maertens, M. A. Morris, A. Rutebemberwa, and D. Matlock. Decision-Making about Intracranial Pressure Monitor Placement: Qualitative Decisional Needs Assessment. Annual Meeting of the Society for Medical Decision Making, 2018. Poster.
31. **T. D. Bennett**, S. Russell, J. King, L. Schilling, C. Voong, N. Rogers, B. Adrian, N. Bruce, and D. Ghosh. Accuracy of the Epic Sepsis Prediction Model in a Regional Health System. American Medical Informatics Association Symposium, 2018. Oral presentation.
32. J. King, S. Russell, **T. D. Bennett**, and D. Ghosh. Kung Faux Pandas: Simplifying Privacy Protection. American Medical Informatics Association Summit, 2019. Oral presentation.

33. B. Martin and **T. D. Bennett**. Predicting Serious Bacterial Infection at PICU Admission. Pediatric Critical Care Medicine Research Training Consortium at the Pediatric Academic Societies Annual Meeting, 2019. Oral presentation.
34. M. A. Carlisle, P. E. DeWitt, and **T. D. Bennett**. Computable Phenotypes in Traumatic Brain Injury. Pediatric Academic Societies Annual Meeting, 2019. Poster presentation.
35. **T. D. Bennett**, S. Russell, J. King, L. Schilling, C. Voong, N. Rogers, B. Adrian, N. Bruce, and D. Ghosh. Accuracy of the Epic Sepsis Model in a Regional Health System. Epic Expert Users Group Meetings (XGM), 2019. Oral presentation.
36. T. J. Callahan, A. L. Stefanski, N. Vasilevsky, S. D. Davies, J. A. Feinstein, B. Martin, J. Sinclair, X. A. Zhang, P. N. Robinson, S. J. Szeffler, M. G. Kahn, L. E. Hunter, and **T. D. Bennett**. PheKnowVec: A Novel Approach to Computational Phenotyping. National Library of Medicine Informatics Training Conference, 2019. Oral presentation.
37. T. J. Callahan, J. Wyrwa, K. E. Trinkley, L. E. Hunter, M. G. Kahn, and **T. D. Bennett**. Towards Automating Computational Phenotyping: Exploring the Trade-offs of Different Vocabulary Mapping Strategies. 17th Annual Rocky Mountain Bioinformatics Conference, 2019. Oral presentation.
38. B. Martin and **T. D. Bennett**. Predicting Serious Bacterial Infection at PICU Admission. Society for Critical Care Medicine, 2020. Oral presentation.
39. T. J. Callahan, J. Wyrwa, K. E. Trinkley, L. E. Hunter, M. G. Kahn, and **T. D. Bennett**. Towards Automating Computational Phenotyping: Exploring the Trade-offs of Different Vocabulary Mapping Strategies. American Medical Informatics Association Summit, 2020. Oral presentation.
40. A. B. Maddux, K. Campbell, L. L. Pyle, J. LaVelle, R. S. Watson, P. M. Mourani, and **T. D. Bennett**. Functional Outcome Phenotypes Derived from Insurance Claims Data in Children Who Survived Prolonged Mechanical Ventilation (#11644). American Thoracic Society International Conference, 2020. Accepted. Meeting Cancelled due to COVID-19.
41. A. B. Maddux, K. Campbell, L. L. Pyle, Y. Sierra, M. Spear, K. A. Van, R. Grosskreuz, **T. D. Bennett**, M. Buchowski, R. S. Watson, and P. M. Mourani. Accelerometry: An Objective Evaluation Of Physical Functional Recovery In Children Who Survive Prolonged Mechanical Ventilation (#11744). American Thoracic Society International Conference, 2020. Accepted. Meeting Cancelled due to COVID-19.
42. **T. D. Bennett**, T. Cornell, A. Dziorny, R. Farris, A. Flynn, C. Kennedy, A. Nishisaki, N. Sanchez-Pinto, S. Shah, P. Vee, and R. Wetzl. The Pediatric ICU Data Collaborative. Society for Critical Care Medicine Annual Congress, 2021. Oral Presentation.
43. K. E. Trinkley, M. E. Kroehl, M. G. Kahn, MD, L. A. Allen, **T. D. Bennett**, G. Hale, H. Haugen, S. Heckman, D. P. Kao, D. M. Matlock, D. C. Malone, R. L. Page, K. Suresh, C. T. Lin. Outcomes of a Clinical Decision Support (CDS) Tool

Informed by Implementation Science: A Cluster-Randomized Controlled Trial to Improve Heart Failure Prescribing American Medical Informatics Association Summit, 2021. Oral presentation

44. A. B. Maddux, K. Campbell, Y. Sierra, K. A. Van, R. Mansour, **T. D. Bennett**, G. Kerby, D. R. Liptzin, L. L. Pyle, R. S. Watson, P. M. Mourani. Pulmonary Morbidities Are Common after Pediatric Acute Respiratory Distress Syndrome. American Thoracic Society International Congress, 2021 (virtual). Poster
45. H. B. Mehta, H. An, K. M. Andersen, O. Mansour, V. Madhira, E. S. Rashidi, B. Bates, S. Setoguchi, C. Joseph, P. T. Kocis, R. Moffitt, **T. D. Bennett**, C. G. Chute, B. T. Garibaldi, G. C. Alexander, and National COVID Cohort Collaborative (N3C). Use of Hydroxychloroquine, Remdesivir, and Dexamethasone Among Adults Hospitalized With COVID-19 in the United States International Conference for Pharmacoepidemiology, 2021. Oral Presentation
46. D. Albers, D. Agrawal, B. Smith, P. Sottile, **T. Bennett** J. Stroh, and G. Hripcsak. Toward phenotyping of ventilator-induced lung injury with a damage-informed pulmonary model of lung-ventilator interaction American Medical Informatics Association Symposium, 2021. Oral Presentation
47. B. Martin, P. DeWitt, S. Russell, A. Dziorny, C. Chute, M. Haendel, R. Moffitt, and **T. D. Bennett**. Characteristics and Outcomes of 728,047 Children in the National COVID Cohort Collaborative (N3C) Society for Critical Care Medicine Annual Congress, 2022. Oral Presentation
48. M. Brennan, S. Martin, P. DeWitt, **T. Bennett**, R. Basu, and A. Dziorny. Acute Kidney Injury and SARS-CoV-19 in Children: Data from the National COVID Cohort Collaborative Society for Critical Care Medicine Annual Congress, 2022. Oral Presentation
49. K. J. Briggs, J. N. Stroh, B. Foreman, S. Park, **T. Bennett**, and D. Albers. Defining Optimal Methodology and Quantifying Uncertainty in Pressure Reactivity Index for Clinical Decision Support American Medical Informatics Association Symposium, 2022. Poster Presentation
50. Y. Wang, J. N. Stroh, G. Hripcsak, C. C. Low Wang, J. Wrobel, C. Der Nigoghossian, **T. D. Bennett**, and D. J. Albers. A methodology of phenotyping ICU patients: high-fidelity, personalized, and interpretable phenotypes estimation American Medical Informatics Association Symposium, 2022. Oral Presentation
51. K. J. Briggs, J. N. Stroh, B. Foreman, S. Park, **T. Bennett**, and D. Albers. Defining Optimal Methodology and Quantifying Uncertainty in Pressure Reactivity Index for Clinical Decision Support International Symposium on Intracranial Pressure and Brain Monitoring, 2022. Oral Presentation
52. K. J. Briggs, J. N. Stroh, B. Foreman, S. Park, **T. Bennett**, and D. Albers. New Model of Cerebral Hemodynamics which Includes Cerebral Vascular Feedback to Aid in Clinical Decision Support International Symposium on Intracranial Pressure and Brain Monitoring, 2022. Oral Presentation

53. B. Martin, P. DeWitt, D. Albers, and **T. Bennett**. Novel Tools for Pediatric Blood Pressure Percentile Determination Society for Critical Care Medicine Annual Congress, 2023. Poster Presentation
54. G. Logan, K. Miller, P. Mourani, **T. Bennett**, S. Bourque, K. Meert, J. Zimmerman, R. Reeder, R. Banks, and A. Maddux. Development of a Desirability of Outcome Ranking Scale for Pediatric Septic Shock Clinical Trials Society for Critical Care Medicine Annual Congress, 2023. Poster Presentation
55. P. E. DeWitt, M. A. Rebull, and **T. D. Bennett**. Open Source, Reproducible, and Inexpensive Data Challenge Infrastructure American Medical Informatics Association Summit, 2023. Oral Presentation
56. **T. D. Bennett**, P. DeWitt, B. Martin, S. Russell, M. Rebull, L. N. Sanchez-Pinto, M. Haendel, and R. Moffitt. Pediatric COVID-19 Dashboard using National COVID Cohort Collaborative (N3C) Data American Medical Informatics Association Summit, 2023. Oral Presentation
57. K. J. Briggs, J. N. Stroh, B. Foreman, S. Park, **T. Bennett**, and D. Albers. A Cerebral Hemodynamic Model with Temporally Informed Vascular Regulation Processes to Guide Clinical Decision Support Society for Industrial and Applied Mathematics - Dynamical Systems Conference, 2023. Oral Presentation
58. B. Martin, P. E. DeWitt, S. Russell, M. Haendel, L. N. Sanchez-Pinto, D. Albers, R. Jhaveri, R. Moffitt, and **T. D. Bennett**, on behalf of the N3C Consortium. The Increasing Incidence of Invasive Bacterial Infections During the COVID-19 Pandemic Society for Critical Care Medicine Annual Congress, 2024 Oral Presentation
59. P. DeWitt, S. Russell, M. Rebull, L. N. Sanchez-Pinto, and **T. D. Bennett**. Development of the Phoenix Pediatric Sepsis Criteria: A Data Driven Delphi Process American Statistical Association Colorado/Wyoming Chapter Meeting, 2024 Oral Presentation
60. B. Yoon, I. Obeso, M. Aczon, D. Ledbetter, B. Rubel, **T. Bennett**, R. Khemani, R. Wetzel. Machine Learning Models Can Interpret Ventilator Waveforms to Predict Work of Breathing 2nd Pleural Pressure Working Group (PLUG) Physiology Symposium, 2024 Poster Presentation

Last Updated: October 4, 2024