TIMOTHY E. BURDICK MD MBA MSc FAAFP
Preferred name: Tim (he/him)
Associate Chief Research Officer for Informatics, Dartmouth Health
Associate Professor and Vice Chair, Community and Family Medicine, Geisel SoM
Tim.Burdick@gmail.com mobile: 802-272-5931

ENTREPRENEURIAL EXPERIENCE

Entrepreneur-in-Residence, Magnuson Center for Entrepreneurship, Dartmouth College (2024 – present)

- Provide 1:1 consultations for ~40 teams per year on topics of health IT, clinical research, IRB, and other topics
- Judge:
  - TuckLAB 2025, 2026
  - Dartmouth Innovation Accelerator for Cancer (DIAC) 2024, 2025
  - Dartmouth Innovation Accelerator for Healthcare and Medicine (DIAHM) 2026

Founder, CEO – Moose Works Tech LLC (2024 – present)

Creator of BoneScope, clinical decision support adjunct device for managing fractured bones

- Lead inventor on US Utility Patent (pending) 19/658,584 and PCT patent filed 4/26/2026, with 5 Dartmouth College students as co-inventors through ENGS 89/90
- $40k seed funding, including Dartmouth Innovations Accelerator for Digital Health 2025 cohort
- Integrated medical device using smart phone UI and signal processing
- Phone app: 40,000 lines of Flutter/Dart code written by Tim Burdick using AI chat in Virtual Studio Code, X Code
- Developed hardware through partnership with Simbex Co, Lebanon, NH
- IRB-approved clinical trial underway at Dartmouth Hitchcock Medical Center
- NIH NIA R21 grant ($300k) being reviewed 6/2026, submitted through Dartmouth Health
- NIH NIA STTR Phase 1 ($400k) under development for 9/2026 with Simbex Co and Dartmouth College

Director of Medical Research – Kino Vision Corporation (2024 – present)

Oversee clinical product line development and clinical research for body composition start up phone app

- Kino co-founded by Jackson Gerard ’25 as a Dartmouth College undergraduate
- Named inventor on US Provisional Patent 63/755,717, filed 3/2025, and PCT filed 3/2026.
- Principal Investigator on Dartmouth Health IRB-approved clinical research projects
- Faculty lead for $20k seed funding from Dartmouth Innovations Accelerator for Digital Health, 2025 Cohort
- Co-Investigator: $50k grant, Dartmouth SYNERGY Clinical and Translational Research Institute 2025 pilot award
- Principal Investigator for NIH NIDDK R01 grant ($3m) planned for 9/2026, submitted through Dartmouth Health
- Angel Investor since 2024.

Medical Advisor – Canopus Health (2025 – present)

Oversee clinical quality improvement evaluation for patient support start up phone app

- Canopus co-founded by Vedant Tapiavala ‘26 as a Dartmouth College undergraduate
- Principal Investigator on Dartmouth Health IRB-reviewed clinical quality improvement projects

Medical Advisor – PortalPal (2024 – present)

Oversee development and clinical evaluation for patient portal chatbot and triage tool

- Machine learning pipeline developed by Dr. Sarah Preum, Assistant Prof of Computer Science, Dartmouth College
- Co-inventor, US Utility Patent with 2 Dartmouth College PhD students, Joseph Gatto ’26 and Parker Seegmiller ‘28
- Team member, Dartmouth Innovations Accelerator for Digital Health, 2024
- Co-author on multiple publications and multiple Principal Investigator on NIH R01 grant application 6/2026

Founder, CEO – Moose Wrx Aerial Photography LLC (2020 – 2022)

Started a small drone photography company with my son during COVID

- Federal Aviation Administration licensed unmanned aerial vehicle (UAV) pilot
- Provided aerial photography services for land managers, real estate agents, and private home owners.

Founder, CEO – EHR Solutions LLC (2008 – 2009)

Provided consulting services for small medical offices to transition from paper to electronic health records.

HEALTHCARE LEADERSHIP EXPERIENCE

Dartmouth Health, Lebanon, NH (8/2016 – present)

Office of Research Operations

- **Associate Chief Research Officer for Informatics (10/2022 – present)**
- Physician Lead – Research Informatics (1/2022 – 9/2022)
    - Direct report to Chief Research Officer (DHH)/Associate Dean for Clinical Research (Geisel SOM)
    - Member of DH Office of Research Operations leadership team
    - Developed team of 15 people from scratch starting in 2022
    - Lead research informatics projects at DH on behalf of Office of Research Operations
    - Oversee >600 research informatics consultations per year from Dartmouth research teams
    - Technical sponsor for research informatics platforms: eReg, EDC, Oncore CTMS, Research Data Warehouse, REDCap, Epic Research Module, Epic Cosmos, TriNetX, OMOP Atlas
    - Develop and update the Dartmouth Health Research Data Handbook
    - Coordinate with Dartmouth College Research Computing, Libraries, and Office of Sponsored Projects
    - Develop health informatics components of >$60MM of federal grants including COBRE (2023), P30 (2024), CTSA (2024), and multiple R01s
    - Assist IRB and Privacy Office with specific study protocol regarding data use
    - Committees
        - Health Advisory Group for Research Informatics at Dartmouth (Chair) (2023 – 2025)
        - Research Informatics and Data Governance (Chair) (2023 – present)
        - Dartmouth Granite Secure Computing System (co-Chair) (2023 – present)
        - DH Information Systems Acquisition Committee (2024 – present)
        - Dartmouth Task Force to Improve Research Collaboration and Efficiency (2025 – 2026)
        - SYNERGY Hub Liaison Committee (2026 - present)

Department of Community and Family Medicine

- Vice Chair for Research (2022 – present)
- Board, Northern New England Systems Transformation – Primary Care (NNEST-PC) (2025 – present)
- Director of Informatics, NNE CO-OP Practice & Community Based Research Network (2022 – present)
- Director of Research, Heater Road Primary Care (2020 – present)
- Co-Director, Primary Care Clinical Research Fellowship (NIH T32 Grant) (2017 – 2018)
- Mentor early-career researchers (MD, DNP, PhD) in Burbank Awards, Levy Incubator, and T32 Fellowship
    - Develop program to promote clinical research in Heater Road clinic
    - Facilitate development of IRB protocols, grant submissions, data management, publications
    - Assist researchers from across DH with recruitment of patients and PCPs from primary care sites
    - Committees:
        - Community & Family Medicine/ Medicine Collaboration Task Force (4/2026 – 9/2026)
        - Community & Family Medicine Strategic Planning Committee (2025 – 2026)
        - Community and Family Medicine Executive Leadership team (206 – present)
        - DH Vice Chairs for Research (2020 - present)
        - Dartmouth Cotton Cancer Institute Primary Care Advisory Committee (2020-2024)
        - NNE CO-OP Research Advisory Group (2023 - present)
        - ADFM Vice Chairs for Research Working Group (2023 - present)

        - Emergency Medicine Vice Chair for Research Search Committee (2024)
        - Center for Precision Medicine and AI – Assistant Professor Search Committee (2024)
        - External Advisory Committee, Virginia Tech Destination Area (DA) 2.0 grant ("Building the Future of Technology Implementation in Health Care: Human Systems Integration" (link) Sarah Parker, James Ivory (MPI). 2025 - present
    - Grant reviewer:
        - SYNERGY CTSI Pilot awards (PI: Bernstein)
        - SYENRGY K12 Awards (PI: Lurie)
        - COBRE Rural Health Equity Pilot Awards (PI: Creager)
        - Susan A. Reeves APP Grants
        - Learning Health Systems E-STaR Fellowship (PI: A. Tosteson)
- **Family Physician (2016 – present)**
    - Provide clinical services as part of a primary care team, including walk-in clinic
    - co-Medical Director, Lebanon Mobile Integrated Health/Community Paramedicine Program (2020 – 2022)
    - Teach MS3 students on family medicine clerkship rotations
    - Assist Medical Director and Practice Manager with quality improvement projects for transitional care management, provider EHR efficiency, professional coding, scribes, and other priority initiatives
- **DH COVID Response Team (March 2020 – Jan 2022):**
    - Quality Improvement/Lean advisor, Primary Care COVID transition team (March 2020)
    - Medical Director, DH Alternate Care Site mass care facility at Dartmouth College gymnasium (May 2020)
    - COVID Hospitalist, DHMC In-Patient Surge Team (Dec 2021 – Jan 2022)

Primary Care Service Line

- **Primary Care Medical Director, Manchester Division (8/2016 – 8/2018)**
    - Direct report to Medical Director, Manchester Division
    - Member of DH Community Group Practice Senior Leadership team
    - Led the Manchester Primary Care Section, largest ambulatory section in DH system:
        - FY2017: 154,718 visits; 37 providers, $24MM revenue, $1.2MM margin
        - Family Medicine, Internal Medicine, Med-Peds, Urgent Care
        - 100% of eligible providers achieved 2016 Meaningful Use payments
    - Assist Division Medical Director overseeing multispecialty clinical operations:
        - FY2016: 247,873 visits; 163 providers in 20+ specialties; $94MM revenue; $5MM margin
    - Committees:
        - Primary Care – ACO Operations Committee
        - Primary Care Service Line Medical Directors
        - Manchester Division Quality Assurance/Quality Improvement Committee
        - Manchester Clinical Leadership Committee
        - Manchester Emergency Management Team
    - Sponsor Quality Improvement projects
        - Antibiotic Stewardship for URI and UTI project received awards at DH and NH State QI events
        - Co-led development of provider balanced scorecards with run charts for key metrics
    - SYNERGY CTSA – Manchester Clinical Trials Unit Advisory Committee (2016 – 2018)

- **Leader, Primary Care Service Line Implementation Support Team** (12/2016 – 8/2017)
    - Responsible for designing, implementing, and sustaining strategic improvements across the Service Line, including 4 regional Divisions, 10 clinical locations, >100 primary care providers
    - Partnered with Population Health ACO Team and Analytics Institute on value-based payment initiatives
    - Helped select team members, write Team Charter, initiate team processes:
    - Project management, business plan and ROI, Lean/Six Sigma, Microsystems, Epic tool design, project
    - dashboards, communications, training, online Learning Collaborative
    - Partnered with The Dartmouth Institute to leverage grant-funded subject matter experts
    - Transitional Care Management (TCM) Project:
        - Introduced standard post-hospital discharge work for Care Coordinators across the Service Line
        - Tripled use of TCM billing codes, adding > $240,000/year new revenue to Primary Care

- Project reached full ROI in less than 1 year, 5-year ROI ~$900,000
- Reduced readmissions by 58% among 2,200 ACO members
- Published findings in *Journal of the American Board of Family Medicine* (12/2021)

Dartmouth College, Hanover, NH (12/2016 – present)

Faculty, Geisel School of Medicine

- Associate Professor, Biomedical Data Science (2022 – present)
- Associate Professor, The Dartmouth Institute for Health Policy and Clinical Practice (2021 – present)
- Associate Professor, Community and Family Medicine (2021 – present)
- Assistant Professor, Community and Family Medicine (2016 – 2021)
- Assistant Professor, Biomedical Data Science (2017 – 2018)
- Institute/Center Memberships:
  - Center for Technology and Behavioral Health (2024 – present)
  - Irving Institute Affiliate Faculty (2024 – present)
  - Center for Precision Health and Artificial Intelligence (2023 – present)
- Teaching/Advising
  - MPH: Statistical Measurement & Analysis in Healthcare Quality Improvement (Course co-director W23, W22, W21, W20)
  - Leadership & Preventative Medicine Residency: quality improvement advisor (1/2022 – 12/2022)
  - Guest lecturer in Computer Science; Biomedical Data Science; and Wilderness Medicine Fellowship
  - PhD Thesis Committee: Joseph Gatto (Use of LLMs to Improve Patient Portal Messages, Dartmouth College Computer Science, 5/2026)
  - MS Thesis Committee: Reet Kothari (Contextualized Divergence Detection in Health Advice: A Benchmark and Analysis, Dartmouth College 1/2025)
  - Faculty Advisor ENGS 89/90 2025-2026: Predicting Adverse Events in People with Serious Mental Illness Using EHR Data and Artificial Intelligence
  - Project Sponsor ENGS 89/90 2024-2025: Osteophony to Detect Fractures in Humans Without Use of Radiology

Oregon Health & Sciences University, Portland, OR (5/2013 – 7/2016)

Oregon Clinical and Translational Science Institute

- **Chief Clinical Research Informatics Officer (2/2015 – 7/2016)**
  - Physician Executive responsible for strategic planning and operational support of clinical research informatics, using continuous quality improvement and process and outcomes metrics
  - Dual reporting to VP for Research and Director of OHSU CTSA
  - OHSU Research $355M in external funding from 1,150 researchers on 2,980 projects (2014)
  - Developed governance, processes, and tools for use of EHR portal to recruit patients to clinical trials through queries of research database of problem list ICD-10 codes leading to peer-review publication
  - Assisted with developing OHSU's successful CTSA renewal
  - Managed 4 teams, total 33 staff, with $3+ million annual budget; CTSA data warehouse executive director
  - Co-leader: OHSU Informatics Governance Group with CMIO, CIO, CCIO producing $120M/5-year strategic plan
  - Committees
    - Chair, Epic for Research Steering Committee:
      - Research orders computerized order entry project with estimated 5-year ROI of $380k;
      - Patient portal for research recruitment: improved efficiency ~400%; lowered cost ~70%;
    - Chair, Clinical Trials Management System Leadership Committee
      - Executive Sponsor for $3M/2-year project to replace clinical trials management system
      - Led change management of user support team and processes
    - Knight Cancer Institute Data Science
    - Translational Research Informatics ($100M/5-year data science initiative)
    - Melanoma Value Stream Mapping Steering Committee
    - OHSU IT Group

- Clinical Informatics Project Committee
- MyChart Committee
- Business Intelligence Committee/BI Strategic Planning Committee
- Infrastructure Committee
- Security and Privacy Committee
- Clinical Research Leadership Group
- Clinical Research Integration and Improvement Committee
- Data Sharing Review Committee

- **Adjunct Instructor, Division of Management**
  - Co-teach Health Information Technology for Managers, Healthcare MBA program (Fall 2021)

- **Assistant Professor, Department of Medical Informatics and Clinical Epidemiology** (2015 – 2016)
  - Course Director: Clinical Research Informatics (Fall 2015)
  - Clinical Informatics Fellowship faculty
  - Designed and led 2 Fellows through 1-month rotation in Clinical Research Informatics resulting in fellow co-authoring poster at national presentation.
  - Clinical Research Informatics elective: Nicholas Riley MD PhD (UVM Family Medicine Residency)
  - Capstone advisor: Kate Fultz-Hollis, Master's Biomedical Informatics candidate
  - Advisor, 1st Place 2016 National Student Design Challenge, American Medical Informatics Association

- **Assistant Professor, Department of Family Medicine (2013 – 2016)**
  - Patient care and resident precepting in RHC in Scappoose (2013 – 2015); and Portland (2015 – 2016)
  - Led improvement project increasing patient portal activation rates from 30% to 45%.
  - Site PI for colorectal cancer screening research project.

OCHIN, Inc, Portland, OR (2/2013 – 3/2015)

Chief Medical Informatics Officer

- Physician Executive in health IT and quality improvement at start-up non-profit
- Helped grow company from 70 to 230 employees, $28M revenue
- Led clinical change management for world's largest ambulatory-only Epic EHR: 400+ clinics; 4,000+ providers;
- Provided FQHCs with consulting for clinical operations improvements including improved billing and AR processes
- Led complete update of clinical content and informatics framework for population health tools:
- USPSTF Level A/B preventative services; chronic disease registries & dashboards, EBM treatment pathways
- SBIRT value-based payment project: 100-fold increase in screening for alcohol, depression, and substance abuse
- Led Meaningful Use scrum team, successfully implementing MU Stage 1 and 2 functionality on schedule
- ROI ~$5 million in MU Stage 1 Eligible Provider payments on estimated project costs of $250,000
- Gained broad support from 65+ Medical Directors for increased use of EHR to improve patient engagement:
- Patient portal automatic release of 99% of lab results on same day; collection of patient reported outcomes.
- Oversaw clinical informatics for OCHIN Practice Based Research Network across 17 states
- Principal or Co-Investigator on grants from PCORI, AHRQ, and NIH
- Co-authored multiple papers on use of EHRs in community-based clinics

University of Vermont Medical Center, Burlington, VT (1/2009 – 2/2013)

Clinical Informatics Team

- **Lead Physician Informaticist - In-Patient & Ambulatory (4/2011 – 2/2013); Ambulatory (1/2009 – 4/2011)**
  - Physician leader of clinical informatics relating to change management, quality improvement, patient safety
  - Responsible for all clinical integration aspects of In-Patient, Ambulatory, and Emergency Department EHR
  - Led clinical aspects of Data Integration & Management project, precursor to ACO data warehouse
  - Led EHR workflow redesign and reporting for 8 clinics, NCQA Level 3 Patient Centered Medical Home
  - Led design and implementation of health maintenance topics for USPSTF guidelines
  - Developed and led FAHC Physician Informatics Program with five direct reports
  - Committees
    - Chair, Clinical Informatics Leadership Group

- Chair, Physician EHR Oversight
- Chair, Problem List Utilization
- Chair, MyChart Patient Portal
- Clinical Transformation Committee with CMO, CNO, CIO, COO
- UVM Center for Clinical Translational Science Biomedical Informatics Advisory Committee
- Other committees: IT Leadership, Pharmacy &Therapeutics, Mortality Improvement, Patient Safety & Quality Improvement, ICD-10

University of Vermont College of Medicine (1/2009 – 3/2013)

Faculty

- **Assistant Professor, Department of Family Medicine (1/2009 – 3/2013)**
  - Provided empaneled care for pediatric and adult patients at Berlin Family Health clinic, Berlin, VT.
  - Taught UVM medical students and APRN students in clinic.

Central Vermont Medical Center, Berlin, VT (8/2005 – 2/2013)

CVMC Medical Staff (8/2005 to 2/2013)

- Ambulatory and Inpatient Privileges, including Newborn Unit, Pediatric Med/Surg, Adult ICU, moderate sedation

Physician Leader, CVMC Outpatient Electronic Medical Records (2006 – 2008)

- Physician Champion for community hospital ambulatory EHR implementation
- Oversaw clinical aspects of EHR implementation for 14 hospital-owned multispecialty clinics

Montpelier Health Center (8/2005 – 12/2008)

- CVMC Employed Community Group Practice serving rural Vermont counties
- Medical Director (2007 – 2008)
- Led development and implementation of opioid and suboxone prescribing guidelines and workflows
- Led change management of EHR implementation from paper charts

---

EDUCATION

Dartmouth-Hitchcock Conaty Leadership Institute

- Member of 9-month healthcare leadership course including management, leadership, finance, IT. 2016 – 2017
- Capstone project: Business model and clinical operations for e-Visits in primary care.

Oregon Health & Science University. MBA – Healthcare Management. Portland, OR. 8/2014 – 6/2017

- Spring 2017: Healthcare Legislation & Policy; Capstone (Primary Care Nurse Clinic business model)
- Winter 2017: Healthcare Strategy; Capstone (Primary Care Nurse Clinic business model)
- Fall 2016: Project Management; Health Information Technology
- Spring 2016: Quality Management; Managerial Decision Making; Executive Briefings
- Winter 2016: Financial Management; Payment Systems in Healthcare; Ethics in Healthcare Organizations
- Fall 2015: Organizational Management in Healthcare; Managing Operations and the Value Chain
- Spring 2015: Healthcare Economics; Healthcare Marketing
- Winter 2015: Managerial Accounting; Leadership Dvlpmt & Assessment; Pioneering Innovation in Health Care
- Fall 2014: Financial Reporting; Organization, Financing, & History of Healthcare

CMMC Family Practice Residency. Resident (PG2/3). Lewiston, ME. 2003 – 2005

- Founder, CMMC FPR Wilderness & International Medicine Program

Middlesex Family Practice Residency. Internship. Middletown, CT. 2002 – 2003

Dartmouth Medical School. MD degree. Hanover, NH. 1998 – 2002

- Electives: Service learning at Camp Jabberwocky (cerebral palsy); American Red Cross case work, NYC 9/11.

Virginia Polytechnical Institute & State University. MSc in Forest Ecology. Blacksburg, VA. 3.8/4.0. 1992 – 1995
- 2 semesters of graduate-level biostatistics; extensive data analysis with SAS; geographic information systems.

Dartmouth College. BA. Earth Sciences; Geography/Environmental Studies. Hanover, NH. GPA 3.3/4.0. 1985 – 1989
- National Ski Patrol; Instructor: rock climbing, kayaking, and trail building. Dartmouth Outing Club Safety Director.

Courses
- Institute for Healthcare Improvement. Patient Safety Officer Course. Cambridge, MA. 9/2013.
- Institute for Healthcare Improvement. Triple Aims Seminar. Chicago, IL. 4/2013.
- Multiple courses in hospital disaster preparedness for CBRNE and mass casualty response management.

CERTIFICATION and LICENSURE

American Board of Family Medicine #1033306139 (8/2005 – 4/2015; 4/2015 – present)
American Board of Preventative Medicine – Clinical Informatics (2014 – 2024)
New Hampshire Board of Medicine #17748 (2016 – present)
Vermont Board of Medicine #042-0010974 (2005 – 2013; 2022 – 2024)
Oregon Board of Medicine #MD161194 (2013 – 2017)
DEA #BB8933942 (2005 – present), buprenorphine waivered
Certified Professional Health Information Management Systems, HIMSS (2011)
BLS, ACLS, PALS current certifications

HONORS & AWARDS

Dartmouth Health Patient Satisfaction Certificate of Achievement for >90% patient satisfaction **(2024)**

Fellow, American Medical Informatics Association (FAMIA) (conferred 2023)

US Public Health Service Corps – Civilian Service medal for COVID-19 pandemic response (2023)

NH Top Doctors – NH Magazine (2022, 2023, 2024, 2025, 2026)

NH Antibiotic Stewardship Award – Outpatient Clinic (DHH Community Group Practice Team) **(2018)**

Health IT Fellow, Office of the National Coordinator for Health IT (2014 – 2016)
- National program to promote open and productive dialogue about healthcare IT.

Fellow, American Academy of Family Physicians (FAMIA) (conferred 2008)

Fellow, Academy of Wilderness Medicine (FAWM) (conferred 2007)

AAFP Excellence in Graduate Medical Education (2004)
- National award to 20 PGY2 Family Medicine residents for outstanding scholarship, teaching, clinical practice.

The Julian and Melba Jarrett Memorial Prize, Dartmouth Medical School (2002)
- "For academic excellence and scholarly, cultural, or humanitarian achievement outside the medical curriculum, as well as evidence of potential for leadership in medicine"

The John Radenbaugh Award, Dartmouth Medical School (2002) "For community service"
- Mentored local teenager with seizure disorder; led search and rescue team in NH and VT.

Rural Health Scholar, Dartmouth Medical School (1999 – 2002)
- Rural medicine discussions & conferences.

Schweitzer Fellow, Dartmouth Medical School (1999)
- National Community Service Grant used to build therapeutic trails at Dartmouth Hitchcock Medical Center.

American Red Cross NJ Capital Chapter Award (1996)
- For leadership in State Disaster Services

PROFESSIONAL AFFILIATIONS & BOARD POSITIONS

Boards of Directors
- Upper Valley Trails Alliance, Norwich, VT (2021 – 2023)
- The Mental Health Center of Greater Manchester (NH) (2017 – 2018)
  - Largest mental health system in NH, including ambulatory and in-patient services. 2016 revenue $25.5M.
- DARTNet Institute (2016 – 2018)
  - DARTNet Institute's mission is to transform multi-sourced data into standardized, actionable health information that supports patient care, quality improvement, patient safety and health improvement, and collaborative learning and research. Member, Finance Committee.
- Wilderness Medical Society (2001 – 2002)

Peer Reviewer
- Applied Clinical Informatics (2013 – 2024)
- Contemporary Clinical Trials (2024)
- Journal American Board of Family Medicine (2015, 2021, 2024)
- Wilderness & Environmental Medicine journal (2008 – 2010)

COMMUNITY SERVICE

Regional and Local
- Willing Hands, Norwich, VT (2020 – present)
- Vermont Urban Search & Rescue Task Force – VT-1 (2009 – 2013)
- Northern New England Metropolitan Medical Team (2011 – 2013, 2020)
- Stowe Mountain Rescue/Vermont Mobile Support Unit – VT-2 (2006 – 2013)
- Waterbury Backcountry Response Team (VT) (2006 – 2013)
- Waterbury Ambulance (VT) (2006 – 2013)
- Lost Valley Ski Patrol (ME) (2003 – 2005)
- Upper Valley Wilderness Response Team (NH/VT) (1998 – 2002)

American Red Cross
- National Disaster Response Team: PA Floods 1/2002; PA Floods 8/1997; World Trade Towers 10/2001
- Capital Chapter, NJ (1995 – 1996): NJ Capital Chapter Award for leadership in State Disaster Services 1996
- Montgomery County, VA (1994 – 1995): Board of Directors; Disaster Committee co-chair.

International and National
- DHHS National Disaster Medical Assistance Team (2012 – present)
  - Deployments:
    - Hurricane Ian, Ft Myers, FL (10/2022)
    - Peace Officer Memorial, Washington, DC (9/2021)
    - Wyoming COVID Hospitalist Surge Team (12/2020)
    - NYC COVID Mortuary Team (5/2020);
    - Hurricane Irma, Key West, FL (9/2017)
- FEMA National Urban Search and Rescue Team (2006 – 2013)

PEER-REVIEW PUBLICATIONS
citations: 904; *h*-index: 16 (Google Scholar 06/18/2026)

Fortuna K, Montgomery J, Taylor A, **Burdick T**. Primary care nurse in-reach to hospitalized patients improved care continuity and timely transitional care management visits in rural community. The Permanente Journal. Accepted 6/2026.

Hudon PS, Boardman MB, MSN, FNP-C, Korsen N, van Eeghen C, Perkins TY, Sand JK, **Burdick TE**, Stabler ME, PhD. Learning Tour Drives Primary Care Clinician Engagement within a Practice-Based Research Network. Ann Fam Med. Accepted 4/2026.

Brunette MF, Sowden GL, Martinez-Camblor P, Erickson AC, Bourassa JG, **Burdick TE**, Chalsma AH, Ferron JC, Lord SE, Pratt SI, Sagona JA. Impact of Community Mental Health-Based Integrated Care on Service Use Among Young Adults With Serious Mental Illness. *Psychiatr Serv*. 2025 Nov 1;76(11):988-996. doi: 10.1176/appi.ps.20250042. PMID: 41174946.

Rork JF, Snide J, Strohmeyer DS, Stein AB, Holland KE, **Burdick T**. Prevalence and demographics of psoriasis in the Down syndrome population: A cross-sectional analysis using the Epic Cosmos dataset. *J Am Acad Dermatol*. 2026 Jan;94(1):323-325. doi: 10.1016/j.jaad.2025.09.035. Epub 2025 Sep 17. PMID: 40972764; PMCID: PMC12699477.

Atlas SJ, **Burdick TE**, Wright A, Zhao W, Hort S, Aman DG, Thillaiyapillai M, John Orav E, Wint AJ, Smith RE, Gallagher KL, Housman ML, Chang FY, Diamond CJ, Zhou L, Haas JS, Tosteson ANA. Comparing clinical decision support systems for improving follow-up of abnormal cervical cancer screening test results. *J Biomed Inform*. 2025 Oct;170:104908. doi: 10.1016/j.jbi.2025.104908. Epub 2025 Sep 9. PMID: 40935221.

Gatto J, Seegmiller P, **Burdick TE**, Khayal IS, DeLozier S, Preum SM 2025. Follow-up question generation for enhanced patient-provider conversations. In *Proceedings of the 63rd Annual Meeting of the Association for Computational Linguistics (Volume 1: Long Papers), pages 25222–25240, Vienna, Austria. Association for Computational Linguistics*.

Rork J, Snide J, Buros-Stein A, Holland K, **Burdick T**. Prevalence of psoriasis among patients with Down syndrome: a cross-sectional analysis utilizing epic cosmos data set. *J Amer Acad Derm*, 93(3), AB74. 2025 May. https://doi.org/10.1016/j.jaad.2025.05.299

Snide J, Buros Stein A, Holland K, **Burdick TE**, Rork J. Prevalence of psoriasis among patients with Down syndrome: a cross-sectional analysis utilizing epic cosmos data set. *J Investigative Derm*. Supplement 2025; 145(3), p. e21. doi.org/10.1016/j.jid.2025.02.090.

Stabler ME, Westfall JM, Nease DE Jr, Raymond J, Jobse B, Daudier Z, Emanuele L, Wilson E, Boardman M, Korsen N, MacLean CD, van Eeghen C, Hudon PS, **Burdick TE**. A Pilot Comparison of Clinical Data Collection Methods Using Paper, Electronic Health Record Prompt, and a Smartphone Application. *J Am Board Fam Med*. 2025 May 12;38(1):46-55. doi: 10.3122/jabfm.2024.240199R1. PMID: 40246574; PMCID: PMC12096375.

Schleyer T, Berenji M, Deck M, Chung H, Choi J, Cullen TA, **Burdick TE**, Zaleski A, Craig KJT, Fayanju O, Islam MM. A call for the informatics community to define priority practice and research areas at the intersection of climate and health: report from 2023 mini-summit, *J Amer Med Informatics Assoc,* Volume 32, Issue 5, 2025, May Pages 971–979, https://doi.org/10.1093/jamia/ocae292

Atlas SJ, Gallagher KL, McGovern SE, Wint AJ, Smith RE, Aman DG, Zhao W, **Burdick TE**, Orav EJ, Zhou L, Wright A, Tosteson ANA, Haas JS. Patient Perceptions on the Follow-Up of Abnormal Cancer Screening Test Results. *J Gen Intern Med*. 2024 Oct 18. doi: 10.1007/s11606-024-09128-4. Epub ahead of print. PMID: 39424768.

Gatto J, Seegmiller P, **Burdick TE**, Preum SM. 2024. In-context learning for preserving patient privacy: A framework for synthesizing realistic patient portal messages. In *Machine Learning for Health (ML4H) Findings*.

Ron D, Gunn CM, Havidich JE, Ballacchino MM, **Burdick TE**, Deiner SG. Preoperative Communication Between Anesthesia, Surgery, and Primary Care Providers for Older Surgical Patients. *Jt Comm J Qual Patient Saf*. 2024 May;50(5):326-337. doi: 10.1016/j.jcjq.2024.01.006. Epub 2024 Jan 18. PMID: 38360446.

Atlas SJ, Tosteson ANA, Wright A, Orav EJ, **Burdick TE**, Zhao W, Hort SJ, Wint AJ, Smith RE, Chang FY, Aman DG, Thillaiyapillai M, Diamond CJ, Zhou L, Haas JS. A Multilevel Primary Care Intervention to Improve Follow-Up of Overdue Abnormal Cancer Screening Test Results: A Cluster Randomized Clinical Trial. *JAMA*. 2023 Oct 10;330(14):1348-1358. doi: 10.1001/jama.2023.18755. PMID: 37815566; PMCID: PMC10565610.

Kranyak A, Rork J, Levy J**, Burdick TE**. Alopecia areata and thyroid screening in Down syndrome: Leveraging Epic Cosmos dataset. *J Am Acad Dermatol*. 2023 Mar 28:S0190-9622(23)00512-1. doi: 10.1016/j.jaad.2023.03.026. Epub ahead of print. PMID: 36997068.

Atlas SJ, Tosteson ANA, **Burdick TE**, Wright A, Breslau ES, Dang TH, Wint AJ, Smith RE, Harris KA, Zhou L, Haas JS. Primary care practitioner perceptions on the follow-up of abnormal cancer screening test results. JAMA Network Open. *JAMA Network Open*; 2022 Sep 1;5(9):e2234194. doi: 10.1001/jamanetworkopen.2022.34194 . PMID: 36173627; PMCID: PMC9523497.

Burdick TE, Moran DS, Oliver BJ, Eilertson A, Raymond J, Hort S, Bartels SJ. Transitional Care Management quality improvement methods that reduced readmissions by 58% in a rural, primary care system. *J Amer Board Fam Med*. May 2022. 35(3):537-547. DOI: https://doi.org/10.3122/jabfm.2022.03.190435

Haas JS, Atlas SJ, Wright A, Orav EJ, Aman DG, Breslau ES, **Burdick TE**, Carpenter E, Chang F, Dang T, Diamond CJ, Feldman S, Harris KA, Hort SJ, Housman ML, Mecker A, Lehman CD, Percac-Lima S, Smith R, Wint AJ, Yang J, Zhou L, Tosteson ANA. Multilevel Follow-up of Cancer Screening (mFOCUS): Protocol for a multilevel intervention to improve the follow-up of abnormal cancer screening test results. *Contemp Clin Trials.* 2021 Oct;109:106533. doi: 10.1016/j.cct.2021.106533. Epub 2021 Aug 8. PMID: 34375748; PMCID: PMC8900526.

Woodson TT, Gunn R, Clark KD, Balasubramanian BA, Jetelina KK, Muller B, Miller BF, **Burdick TE**, Cohen DJ. Designing health information technology tools for behavioral health clinicians integrated within US-based primary care teams. *J Innov Health Inform*. 2018;25(3):158–168.

Burdick T. Project initiation story boards: a novel tool for launching projects using design thinking and lean enterprise. *Reflections on Healthcare Management.* 2018; 2(1): Article https://scholararchive.ohsu.edu/concern/etds/5712m682v

Samuels MH, Schuff R, Beninato P, Gorsuch A, Dursch J, Egan S, Adams B, Hollis KF, Navarro R, **Burdick TE**. Effectiveness and cost of recruiting healthy volunteers for clinical research studies using an electronic patient portal: A randomized study. *J Clin Transl Sci*. 2017 Dec;1(6):366-372.

Bailey SR, Heintzman JD, Marino M, Jacob RL, Puro JE, DeVoe JE, **Burdick TE**, Hazlehurst BL, Cohen DJ, Fortmann SP. Smoking-cessation assistance: before and after Stage 1 Meaningful Use Implementation. *Am J Prev Med*. 2017 Aug;53(2):192-200. DOI: 10.1016/j.amepre.2017.02.006

Coronado GD, Retecki S, Petrik AF, Coury J, Aguirre J, Taplin SH, **Burdick T**, Green BB. Mapping multi-site clinic workflows to design systems-enabled interventions. *EGEMS* (Wash DC). 2017;5(1):13 DOI: 10.5334/egems.219

Burdick T, Kessler R. Development and use of a clinical decision support tool for behavioral health screening in primary care clinics. *Appl Clin Inform*. 2017; 8(2):412-429. DOI: 10.4338/ACI-2016-04-RA-0068

McCarty D, Leed R, Payment M, **Burdick TE**. Using Mychart® to assess patient attitudes toward cannabis use. J Drug Alcohol Dependence. *Drug and Alcohol Dependence Abstracts* 171 (2017) e136.

Burdick T. The research Triple Aim: Ethics as a policy driver for funding medical research. *Reflections on Healthcare Management.* 3/2017; 1(1): Article 8. https://scholararchive.ohsu.edu/concern/etds/8s45q907c .

Gold R, Esterberg E, Hollombe C, Arkind J, Vakarcs P, Tran H, **Burdick T**, DeVoe J, Horberg M. Low back imaging when not indicated – a descriptive cross-system analysis. *The Permanente Journal*. 2016 Spring;20(2):25-33.

Coronado GD, Retecki S, Schneider J, Taplin SH, **Burdick T**, Green BB. Recruiting community health centers into pragmatic research: Findings from STOP CRC. *Clin Trials*. 2015 Sep 29. PubMed PMID: 26419905. DOI: 10.1177/1740774515608122

Likumahuwa-Ackman S, Angier H, Sumic A, Harding RL, Cottrell EK, Cohen DJ, Nelson C, **Burdick T**, Wallace LS, Gallia C, Dickerson K, DeVoe JE. IMPACCT Kids Care: a real-world example of stakeholder involvement in comparative effectiveness research. *J Comparative Effectiveness Research*. 2015. J Comp Eff Res. 2015 Aug;4(4):351-7. doi: 10.2217/cer.15.24. PubMed PMID: 26274796; PubMed Central PMCID: PMC4538706.

Gold R, **Burdick T**, Angier H, Wallace L, Nelson C, Likumahuwa-Ackman S, Sumic A, DeVoe JE . Improve Synergy Between Health Information Exchange and Electronic Health Records to Increase Rates of Continuously Insured Patients. *eGEMs*. 2015;3(1):1158. doi:10.13063/2327-9214.1158.

Bazemore A, Cottrell EK Gold R, Hughes L, Phillips R, Angier H, **Burdick T**, Carrozza N, DeVoe JE. *"Community Vital Signs"*: Incorporating Geocoded Social Determinants into Electronic Records to Promote Patient and Population Health. *J Amer Med Informatics Assoc*. 2015 July. doi: 10.1093/jamia/ocv088

Krist AH, Green L, Phillips RL, Beasley JW, DeVoe J, Klinkman MS, Hughes J, Puro J, Fox CH, **Burdick T**. Health Information Technology Needs Help from Primary Care Researchers. *J Am Board Fam Med.* 2015 May-Jun;28(3): 306-10. doi: 10.3122/jabfm.2015.03.140246.

Coronado G, Vollmer WM, Petrik A, Aguirre J, Kapka T, Oluloro A, Sanchez J, **Burdick T**, Green B. Adapting Innovations for Safety Net Practices: Strategies and Opportunities to STOP Colon Cancer in Priority Populations. Conference Paper 142nd APHA Annual Meeting and Exposition 2014. Nov 2014.

DeVoe J, Angier H, **Burdick T**, Gold R. Health Information Technology: An Untapped Resource to Help Keep Patients Insured. *Ann Fam Med*. 2014 Nov;12(6):568-72. doi: 10.1370/afm.1721.

Coronado G, Vollmer W, Petrik A, Taplin S, **Burdick T**, Meenen R, Green, B. Strategies and Opportunities to Stop Colon Cancer in Priority Populations: Design of a Cluster-Randomized Pragmatic Trial. *Contemp Clin Trials*. 2014 Jun 14;38(2):344-349. doi: 10.1016/j.cct.2014.06.006.

Coronado G, **Burdick T**, Kapka T, Retecki S, Green B. Using an Automated Data-driven EHR-Embedded Program for Mailing FIT kits: Lessons from the STOP CRC Pilot Study *J Gen Pract.* 2014, 2:141. doi: 10.4172/2329-9126.1000141

DeVoe J, Gold R, Cottrell E, Bauer V, Brickman A, Puro J, Nelson C, Mayer K, Sears A, **Burdick T**, Merrell J, Matthews P, Fields S. The ADVANCE Network: Accelerating Data Value Across a National Community Health Center Network. *J Amer Med Informatics Assoc.* 2014. doi:10.1136/amiajnl-2014-002744

DeVoe JE, Angier H, Likumahuwa S, Hall J, Nelson C, Dickerson K, Keller S, **Burdick T**, Cohen DJ. Use of Qualitative Methods and User-Centered Design to Develop Customized Health Information Technology Tools within Federally-Qualified Health Centers to Keep Children Insured. *Journal of Ambulatory Care Management* 2014 Apr-Jun;37(2):148-54. doi: 10.1097/JAC.0000000000000016

Devoe J, Angier H, Gold R, **Burdick, T.** Electronic Health Records: An Untapped Resource to Help Keep Patients Insured (Abstract presentation). AMIA Annu Symp Proc. 2013;2013:311.

Chen ES, Melton GB, **Burdick TE**, Rosenau PT, Sarkar IN. Characterizing the Use and Contents of Free-text Family History Comments in the Electronic Health Record. AMIA Annu Symp Proc. 2012;2012:85-92. Epub 2012 Nov 3.

Burdick T. Wilderness Event Medicine: Preparing for Mass Gatherings in Remote Areas. *J Travel Med and Infect Dis*. 2005:3; 249-258. DOI: 10.1016/j.tmaid.2004.11.007

Burdick T., Brozen, R. Wilderness Event Medicine. *Wilderness & Environ Med*. 14(4); 2003: 236-239. DOI: 10.1580/1080-6032(2003)14[236:wem]2.0.co;2

OTHER PUBLICATIONS

Gatto J, Yang J, Seegmiller P, Rahat R, Burdick T, Preum SM. PatientEvent: An Event-Based Ontology for Patient-Initiated Portal Communication. medRxiv. 2026 Jun 3:2026.06.01.26354623. doi: 10.64898/2026.06.01.26354623. PMID: 42282185; PMCID: PMC13252494 (pre-print)

Gatto J, Parker Seegmiller P, **Burdick TE**, Resnik P, Rahat R, DeLozier S, Preum SM. Medical Triage as Pairwise Ranking: A Benchmark for Urgency in Patient Portal Messages. arXiv: 2601.13178v1, 2026 Jan. https://doi.org/10.48550/arXiv.2503.17509 (pre-print)

Gatto J, Parker Seegmiller P, Greer SE, Isingizwe GB, Ray R, **Burdick TE**, Preum SM. How Much Would a Clinician Edit This Draft? Evaluating LLM Alignment for Patient Message Response Drafting. arXiv:2601.11344. 2026 Jan. https://doi.org/10.48550/arXiv.2601.11344 (pre-print)

Gatto J, Parker Seegmiller P, **Burdick TE**, Khayal IS, DeLozier S, Preum SM. Follow-up Question Generation For Enhanced Patient-Provider Conversations. *arXiv*:2503.17509v1 2025 Mar. https://doi.org/10.48550/arXiv.2503.17509 (pre-print)

Gatto J, Seegmiller P, **Burdick TE**, Preum S. In-Context Learning for Preserving Patient Privacy: A Framework for Synthesizing Realistic Patient Portal Messages. *arXiv*:2411.06549 2024 Nov. https://doi.org/10.48550/arXiv.2411.06549

Schleyer T, Berenji M, Deck M, Chung H, Choi J, Cullen T, **Burdick TE**, Zaleski A, Craig K, Fayanju OA. Climate and health: How can informatics help? *ESS Open Archive*, Jan 2024. 10.22541/essoar.170542226.67814355/v1 (pre-print)

Bohm A, **Burdick TE**, Oliver BJ. 2022. Statistical Process Control for Attribute Data. Chap 7 in: Practical Measurement in Health Care Improvement. Oliver BJ, Ogrinc G (Eds). Joint Commission Resources, Oakbrook Terrace, Illinois. ISBN 978-1-63585-306-3

Van Citters AD, **Burdick TE**, Oliver BJ. 2022. Developing a Data Analysis and Visualization Plan. Chap 4 in: Practical Measurement in Health Care Improvement. Oliver BJ, Ogrinc G (Eds). Joint Commission Resources, Oakbrook Terrace, Illinois. ISBN 978-1-63585-306-3

Burdick T, et al. Alternate Care Site Planning Document for COVID Pandemic Response in the Upper Valley. Available in DHMC Policy Tech and NH Department of Health and Human Services Emergency Response Unit. 2020. 58pp.

Bracket C, et al. Primary Care Based MAT for Opioid Use Disorder. Clinical Practice Guideline. Knowledge Map, Dartmouth Hitchcock Health. 2018. 23pp.

Burdick T. High Altitude Medicine. Wilderness Medical Society Community Education Series. Salt Lake City, UT. 2010.

Burdick T. Management of Musculoskeletal Injuries in the Wilderness. Wilderness Medical Society Community Education

Series. Salt Lake City, UT. 2010.

PRESENTATIONS

Perkins T, **Burdick T**, Lichter K. Preventing Weather-Related Disruptions in Rural Radiation Oncology Development and Pilot of Weather-Enhanced Alert for Treatment & Healthcare Engagement and Rescheduling (WEATHER-Care). Rural Health Symposium, Hanover, NH, 5/2026.

Dawson T, Stabler M, **Burdick T**, Kaden W, Feely L, Bernstein L, Kiriakopoulos E. Primary care Provider Readiness and Perceptions Regarding Referral Access and Perceived Value of Epilepsy Self-Management: Results from a Multi-site Survey. Poster presentation at Northern New England CO-OP Practice and Community Based Research Network Annual Scientific Meeting, Stowe, VT, 1/2026.

Plimpton J, Burdick T. Primary Care Clinician Dyad Quality Improvement Project to Increase Continuity of Care. Poster Presentation at Northern New England CO-OP Practice and Community Based Research Network Annual Scientific Meeting, Stowe, VT, 1/2026.

Burdick TE, Perkins T, Anton K, Liu C, Kothari R, Dunleavy N, Green M, Chipman H, Landi G, Etheridge K. BoneScope: affordable, point-of-care, handheld device to detect fractures without x-rays. Poster Presentation at Northern New England CO-OP Practice and Community Based Research Network Annual Scientific Meeting, Stowe, VT, 1/2026.

Hudon P, **Burdick TE**, Boardman M, Stabler M, Harring A. Evaluating the Impact of SSRI Use on Low-Impact Fractures in a Rural Primary Care Region. Poster presentation at NAPCRG Annual Meeting, Atlanta, GA. 11/2025.

Dellinger BS, **Burdick TE**. Role of Artificial Intelligence in Healthcare Research. Invited lecture, DRIVE seminar series, Department of Medicine, Geisel School of Medicine, Lebanon, NH. 9/2025.

Burdick TE, Naeger D, Karagas M, Shah P, Vosoughi S, Bhattacharya I. AI in Healthcare: Current Landscape and Research Frontiers. Panel presentation, Center for Precision Health and Artificial Intelligence, Dartmouth College, Hanover, NH, 4/2025.

Rork JR, Snide J, Buros Stein A, Holland K, **Burdick TE**. Prevalence of Psoriasis among Patients with Down Syndrome: A Cross-Sectional Analysis Utilizing Epic Cosmos Data Set. Poster presentation, Amer Acad Derm, Orlando, FL, 3/2025.

Plimpton J, **Burdick TE**, Daudier Z, Pepin R. Utilization of team-based care dyads to improve patient continuity, improve provider satisfaction, reduce provider burnout and evaluate the provider's perspective of the process. Poster presentation, Northern New England CO-OP Practice and Community Based Research Network Annual Scientific Meeting, Bartlett, NH, 1/2025.

Burdick TE. Card studies using EHR alerts linked to REDCap questionnaires: a practical session on how to build the tools**.** NAPCRG, Quebec City, CA, 11/20204.

Burdick TE. Introduction to Health Informatics and Data Science. SYNERGY CTSI Informatics Seminar Series. 10/2024. Lebanon, NH.

Gatto J, Seegmiller P, **Burdick T**. In-Context Learning for Preserving Patient Privacy: A Framework for Synthesizing Realistic Patient Portal Messages. Machine Learning for Health (ML4H) symposium Vancouver, CA, 12/2024.

Rork JR, Snide J, Buros Stein A, Holland K, **Burdick TE**. Psoriasis in Individuals with Down Syndrome: A Cross-Sectional Analysis Utilizing Epic Cosmos Data Set. Poster. Ped Derm Assoc, Phoenix, AZ, 10/2024.

Stabler M, Westfall J, Daudier Zoe, **Burdick TE**. Comparing Card Study Data Collection Methods: A Paper, EHR Prompt, and Novel Phone App Demonstration. Workshop at NAPCRG PBRN Conference, Reston, VA, 6/2024.

Burdick TE, Snide JA, Thillaiyapillai MM, Duggan JF, Ray D. Adding geocoded social determinants of health to the research data warehouse. Poster. NCATS CTSA Meeting. Washington, DC. 6/2024.

Burdick TE. Research informatics methods and data sources. Global Health Scholars, Geisel School of Medicine, Dartmouth College, Hanover, NH, 4/2024.

Burdick TE. Geocoded social determinants of health in research. Center for Rural Healthcare Delivery Science Research Seminar Series, Lebanon, NH, 4/2024.

Burdick TE. Research methods in primary care. General Internal Medicine Primary Care Residency didactics, Dartmouth Hitchcock Medical Center, Lebanon, NH, 4/2024.

Burdick TE, Sin J, Hong J, Vaickus L. Clinician case studies. (Panel moderator). Center for Precision Health and Artificial Intelligence, Geisel School of Medicine, Dartmouth College, Hanover, NH, 4/2024.

Paydarfar J, Bell JE, **Burdick TE**, Zeitler E, Merrens EJ, Hartman T, Brownell H. Innovating together: Medical innovation from the clinician and health systems perspective (panel). MedTech Collaborative, Lebanon, NH, 3/2024.

Stabler ME, **Burdick TE.** Comparison of low burden data collection methods using a study on primary care telehealth burnout. Oral presentation. Northern New England CO-OP Practice and Community Based Research Network Annual Scientific Meeting, Bartlett, NH, 1/2024.

Wong S, O'Malley J, **Burdick TE**, Creager M. Center for Rural Health Care Delivery Science. Poster presentation, Northern New England CO-OP Practice and Community Based Research Network Annual Scientific Meeting, Bartlett, NH, 1/2024.

Barnato A, Berube A, **Burdick TE**, Fisher E, Wilson E. Addressing rural health equity in primary care in rural northern New England. Panel at Team Up Take Action Conference, New Hampshire Public Health Association. Hanover, NH, 1/2024

Burdick T, Korsen S. Pulling data from multiple COOP clinics on different EHRs: Proposal for the use of a Common Data Model for bench marking, quality improvement, and multi-site research. North American Primary Care Research Group – Practice Based Research Network annual meeting, Bethesda, MD. 6/2022.

Burdick T, Korsen S. Pulling data from multiple COOP clinics on different EHRs: Proposal for the use of a Common Data Model for bench marking, quality improvement, and multi-site research. Dartmouth NNE COOP Annual Meeting. Virtual. 2/2022.

Emeny RT, **Burdick T**, Duncan M. Coupling Patient Reported Measures of Anxiety and Depression with Electronic Medical Records to Improve Health Outcomes in Primary Care.

Sayess P, **Burdick T**. Randomized study of Electronic Health Record (EHR) optimization training on EHR efficiency and burnout among Heater Road Primary Care providers. Poster presentation, Dartmouth COOP Practice Based Research Network Annual Scientific Meeting. Virtual, 1/2022.

Emeny RT, **Burdick T**, Duncan MS**.** Coupling anxiety and depression screening with electronic medical record data to improve outcomes in primary care patients with cardiometabolic conditions. Dartmouth COOP Practice Based Research Network Annual Scientific Meeting. Conway, NH, 1/2021.

Burdick T. Primary care research. Presentation to D-HH Primary Care Internal Medicine Residents. Lebanon, NH, 9/2020.

Burdick T. Big Data and Electronic Health Records. Dartmouth COOP Practice Based Research Network Annual Scientific Meeting. North Conway, NH, 1/2020.

Burdick T. Vermont Search & Rescue: Case review of 3 rescues in the Green Mountains. Invited presentation at the

Wilderness Medicine Conference, UVM Department of Family Medicine, Burlington, VT, 6/2019.

Burdick T. College outing club risk management: Role of the physician advisor. Invited presentation at the Wilderness Medicine Conference, UVM Department of Family Medicine, Burlington, VT, 6/2019.

Bailey SR, Hoopes MJ, Puro J, DeVoe JE, **Burdick T**, Cohen DJ, Heintzman J, Marino M, Irvine J, McCarty D, Fortmann SP. Smoking cessation assistance pre- and post-implementation of Stage 1 Meaningful Use. Poster presentation at the College on Problems of Drug Dependence 78th Annual Meeting, Palm Springs, CA: 6/2016.

Schuff R, Gorsuch A, **Burdick T**. Recruitment through patient portals. American Medical Informatics Joint Translational Summits, San Francisco, CA. 3/2016.

Korthuis PT, **Burdick T**, Ha D, Leed R, Payment M, Kunkel L, Gorsuch A, McCarty D. Using an electronic health record communication tool to assess patient attitudes toward cannabis use. American Society of Addiction Medicine Annual Conference, Baltimore, MD. 4/2016.

Burdick T. Using Epic EHR to improve efficiency of clinical research. Department of Medical Informatics and Clinical Epidemiology Grand Rounds, Oregon Health and Science University, Portland, OR. 11/2015.

Burdick T. Data to Knowledge: Electronic health records in clinical research and quality improvement projects. Department of Neurosurgery Grand Rounds, Oregon Health and Science University, Portland, OR. 10/2015.

Bailey SR, Hoopes M, Puro, J, DeVoe JE, **Burdick T**, Cohen, DJ, Heintzman, J, Marino M, Irvine J, Fortmann SP. Stage 1 Meaningful Use: Smoking Status Assessment and Cessation Assistance Pre- and Post-Implementation. Poster presentation on work in progress. Submitted to the 43rd annual meeting of the North American Primary Care Research Group, Cancun, Mexico. 10/2015.

Burdick T. Electronic Health Records: Data to Knowledge in the Age of the Triple Aim. Medical Staff Grand Rounds, Mid-Columbia Medical Center, The Dalles, OR. 9/2015.

Muench J, **Burdick T**, Kessler R, Winkle JR. Innovative EHR Tools May Improve Documented Performance of SBIRT in Primary Care (poster). American Society of Addiction Medicine 46th Annual Conference, Austin, TX. 4/2015.

Burdick T, Puro J, Coronado D, Petrik A, Aguirre J, Kapka T, Green B, Le T. Using EHR Data to Automate Colorectal Cancer Screening at Community Health Centers: Opportunities and Barriers (poster). American Medical Informatics Association Annual Meeting, Washington, DC. 11/18/2014.

Coronado D, Vollmer WM, Petrik A, Oluloro A, Aguirre J, Kapka T, Sanchez J, **Burdick T**, Green B. Adapting Innovations for Safety Net Practices: Strategies and Opportunities to STOP Colon Cancer in Priority Populations. Poster presentation, American Public Health Association, New Orleans, LA. 11/15/2014.

Burdick T. Clinical decision support and research informatics – it's not just a pop-up alert. NIH Collaboratory Grand Rounds. 9/26/2014.

Burdick T. Meaningful Use strategies for View, Download, Transmit measure. Panelist, Office of the National Coordinator Consumer Health IT Summit, Washington, DC. 9/15/2014.

Burdick T. Patient-mediated health information technologies. Panelist, Office of the National Coordinator Consumer Health IT Summit, Washington, DC. 9/15/2014.

Burdick T. Health information exchange in safety net clinics. Invited testimony for Office of the National Coordinator, HIT Policy Committee Interoperability & HIE Workgroup Governance Subgroup Listening Session. 8/15/2014.

Burdick T. Physician governance and HIT development in safety net clinics. American Board of Internal Medicine Forum, San Francisco, CA. 8/4/2014.

DeVoe JE, Angier H, Likumahuwa S, Hall J, Nelson C, Dickerson K, Keller S, **Burdick T**, Cohen D. Developing Customized Health Information Technology Tools within Federally Qualified Health Centers to Keep Children Insured. AcademyHealth Annual Research Meeting (ARM). San Diego, CA. 6/2014.

Burdick T. Patient engagement through OpenNotes. Panel member, We Can Do Better annual meeting, Portland, OR. 4/2014.

Burdick T, et al. Accelerating innovations of electronic health records using workflow diagrams, low-fidelity prototypes, and Think Aloud usability testing (poster). Institute for Healthcare Improvement Scientific Symposium, Orlando, FL. 12/2013.

Burdick T. How the Problem-Oriented Medical Record can inform EHR use. OHSU Dept Family Medicine Grand Rounds, Portland, OR. 12/2013.

Muench J**, Burdick T**. SBIRT implementation: role of the electronic health record. SAHMSA SBIRT Grantee Meeting.] 10/2013.

Burdick, T. Meaningful Use Stages 2 & 3: What's next? (panel). OCHIN/Oregon Medical Assoc. Coordinated Health Innovation Symposium, Portland, OR. 9/2013.

Burdick, T. Problem-Oriented Medical Records and the modern EHR. OCHIN/Oregon Medical Assoc. Coordinated Health Innovation Symposium, Portland, OR. 9/2013.

Burdick, T. Creating ad hoc queries for clinical reporting in Epic. OCHIN/Oregon Medical Assoc. Coordinated Health Innovation Symposium, Portland, OR. 9/2013.

Burdick T. Clinical and reporting build for PCMH 2011 guidelines. OCHIN User Webinar Series, Portland, OR. 9/2012.

Burdick T, Rosenau P. Clinical and reporting build for PCMH 2011 guidelines. Epic User Group Meeting, Verona, WI. 9/2012.

Stein T, Sra J, **Burdick T**, Rambling On: Voice recognition and partial dictation options for physician notes. Epic User Group Meeting, Verona, WI. 9/2012.

Burdick T., Lin J, Taheri P, Trutor A, Tang C. Spider plots: a new tool developed from Physician Pulse. Epic Physician Advisory Council, Verona, WI. 4/2012.

Burdick T, Lin J. Managing the enhancement request process. Epic Physician Advisory Council, Verona, WI. 4/2012.

Kessler R, **Burdick T**. Health information technology as a core element of behavioral health integration in the medical home. Society of Teachers of Family Medicine Conference on Practice Improvement. Newport Beach, CA. 12/2011.

Burdick T, Kessler R, Tulkop L. Integrated flowsheets, BPAs, and Health Maintenance tools for behavioral health screening and intervention in primary care offices. Epic User Group Meeting. Verona, WI. 9/2011.

Kessler R, Burdick T. Behavioral health integration in the medical home and its facilitation by HIT. Patient Centered Primary Care Collaborative Grand Rounds. Webinar. 4/2011.

Burdick T. Evidence-based management of wilderness trauma. Primary Care Sports Medicine, Univ. of Vermont. Burlington, VT. 2011.

Burdick T. Introduction to Health Maintenance, MyChart, and PCMH Tools (Epic). UVM-FAHC Department of Family Medicine Grand Rounds. 2011.

Kessler R, **Burdick T.** Behavioral health integration in the Medical Home, and its facilitation by healthcare information technology. Patient-Centered Primary Care Collaborative Webinar. 2011.

Burdick T. Setting yourself free: Tips and Tricks for increased efficiency and satisfaction with your EHR (Epic). UVM-FAHC Department of Family Medicine Grand Rounds. 2010.

Burdick T. Prehospital medicine – improvisation for the austere environment. East Montpelier EMS, VT. 2010

Burdick T. Evidence-based management of wilderness trauma. Wilderness Medical Society Mid-Atlantic Student Conference, Philadelphia, PA. 2010.

Burdick T. Wilderness trauma: case studies from Vermont search and rescue operations. Vermont Emergency Medical Services Conference. Burlington, VT. 2010.

Burdick K, **Burdick T**. IUD counseling and insertion techniques. Family Medicine Board Review Course. Burlington, VT. 2010.

Burdick T. Wilderness medical protocols: national overview and current directions for Vermont. University of Vermont Emergency Medical Services Annual Meeting, Burlington, VT. 2009.

Burdick T. Evidence-based management of wilderness trauma – lessons applied to office-based practice. Department of Family Medicine Grand Rounds. University of Vermont. Burlington, VT. 2009.

Burdick T. Frostbite and accidental hypothermia. Primary Care Sports Medicine, Univ. of Vermont. Burlington, VT. 2009.

Burdick T. High altitude medicine. Primary Care Sports Medicine, Univ. of Vermont. Burlington, VT. 2009.

Burdick T. Electronic prescribing: optimizing efficiency in the office. Vermont Information Technology Leaders Summit '09, Burlington, VT. 9/2009.

Burdick T. Evidence-based management of wilderness trauma. Wilderness Medical Society Annual Scientific Assembly. Snowmass, CO. 8/2009.

Burdick T. Avalanches and cold injuries. Adirondack Mountain Club Winter Mountaineering School. Lake Placid, NY. 12/2008.

Burdick T. Wilderness Emergency Medicine Protocols for Vermont EMS. Draft presented to Vermont EMS and VT Search & Rescue Working Group. 2008.

Burdick T. Implementation of a hospital-owned regional electronic health record, Vermont Medical Society Annual Meeting, Burlington, VT. 2007.

Burdick T. Prehospital childbirth and neonatal resuscitation. Mad River Valley Ambulance Service, Waitsfield, VT. 2007.

Burdick T. and Nuki G. B-type natriuretic peptide doubles on ascent to very high altitude: implications for diagnosis and treatment of high-altitude illnesses (research abstract oral presentation). Wilderness Medical Society Annual Scientific Assembly, Snowmass, CO. 7/2005.

Nuki G, Reynolds K, **Burdick T**. Needle and thread: advanced suture skills workshop. Society of Teachers of Family Medicine NE Regional Conference, Pittsburgh, PA, 2003.

Burdick TE. Evidence-based wilderness medicine – clearing the cervical spine and ankle using the clinical exam. University of CT Medical School Wilderness Medicine Symposium, Farmington, CT. 2002.

Burdick T. Epidemiological review of responses of a volunteer search and rescue team in New England: 1995–2001

(poster). Dartmouth Medical School 4th-Year Symposium. 4/2002.

Burdick T, Brozen R, Haughey C. Wilderness event medicine (poster). Wilderness Medical Society Annual Scientific Assembly, Whistler, B.C. 8/2001.

Burdick TE, Sholl MS, and Russell M. DMS & UVWRT: Development and implementation of a medical school-based search and rescue team (poster). 4th Biennial World Congress on Wilderness Medicine, Whistler, B.C. 8/1999.

PATENTS

U.S. Utility Patent No. 19/658,584, PTC Patent (Korea)
Device and Method for Detecting Fractures in Bones and Other Structural Abnormalities
Filing Date – April 26, 2026
Inventors – **Timothy E. Burdick**, Noah B. Dunleavy, Micah T. Green, Hannah W. Chipman, Gabriel M. Landi, Kai K. Etheridge
Applicant – Moose Works Tech LLC

U.S. Utility Patent No.
Follow-up Question Generation For Enhanced Patient-Provider Conversations
Filing Date – February 20, 2026
Inventors – Sarah M. Preum, Joseph M. Gatto, **Timothy E. Burdick**
Applicant - The Trustees of Dartmouth College and Mary Hitchcock Memorial Hospital, for itself and on behalf of Dartmouth-Hitchcock Clinic

U.S. Provisional Application No. 63/755,717
Methods and Systems for Monitoring Health
Filing Date – February 7, 2025
Inventors – Tobias Reynolds, Jackson, Gerard, Adar Avsian, Kishan Screenivasan, **Timothy E. Burdick**, Siddartha Chandra, Madison Kackley
Applicant - Kino Vision Inc

RESEARCH PROJECTS

(* indicates role in developing grant submission)

CURRENT

*PCORI Barr (Site PI), Garret (PI) 09/01/2025 – 08/31/2030
Video Integration into Traditional ALS Visit Communications (VITALS)
Major Goals: We will conduct a multisite, two-arm, parallel group, patient-randomized, controlled, comparative effectiveness trial with 12-month follow-up. The goal of this study is to compare after visit information sources available for patients living with amyotrophic lateral sclerosis (ALS) and their care partners to optimally operationalize their healthcare in their daily life – we will recruit 400 dyads at 8 clinics across the country. DH will enroll multidisciplinary clinic clinicians and 50 patients with ALS. We will additionally enroll approximately 50 caregivers, a family member or friend who the patient identifies as assisting with their care.
Role: Co-I, Physician Informaticist (5% FTE)
Total Award Amount: $ 13,022,083 (DH $1,563,952 Subaward Total)

*NCATS CTSI Pilot Award Sin (PI) 7/1/2025 - 6/31/2025
Visual body composition using machine learning and DXA scans
Role: Co-I (5%)
Total Award Amount: $78,300

*NIH NCATS UM1TR004772 Bernstein S, Paulsen K, Tosteson A (MPI) 7/25/2024 – 7/24/2031
SYNERGY Clinical Translational Science Institute
Role: Co-Investigator, Director of Research Informatics (Module Leader)
Total Award Amount: $28,000,000

*AHRQ P30HS029771 Tosteson A, Nelson, Holt (MPI) 12/2023 – present
Dartmouth Learning Health System (LHS) Embedded Scientist Training (E-STaR) Center
Aims: 1) To accelerate the DH LHS through the recruitment and development of a diverse group of embedded LHS scientists equipped with the knowledge and skills to transform rural healthcare with a focus on the challenge of timely access to high-quality, equitable, person-centered care in rural settings; 2) To support embedded LHS scientists through tailored training, mentoring, and experiential learning and in the conduct of PCOR/CER projects designed to advance rural health equity; and 3) To disseminate knowledge gained within the Dartmouth LHS E-STaR Center throughout our broader communities and to evaluate the Center's progress in advancing the DH LHS toward meeting the healthcare needs of northern New England.
Role: **Core co-Director**: Research Data and Analysis (5% FTE)
Total Award Amount: $4,999,262 (5 years)

CDC 1NU58DP007541-01-00 Kiriakopoulus, Jobst (co-PI) 2/2024 – present
Increasing Epilepsy Self-Management Access by Embracing a HUB and Spoke Model
The key components of HOBSCOTCH are: Education to teach you the basics about memory and how seizures and variables related to epilepsy may impact your memory and thinking. Self-awareness training to teach you to be aware of the multiple internal and external influences that may impact memory and thinking. Memory strategies to help improve day-to-day cognitive challenges. The HOBSCOTCH Memory Toolbox provides tried and true strategies to help you feel more in control. Problem Solving Therapy (PST) to help you identify memory-related challenges in your daily life and find solutions to manage these problems. Mindfulness, including progressive muscle relaxation and deep breathing exercises, to help reduce stress and anxiety.
Role: Co-I; Practice Engagement, Physician Informaticist (5% FTE)
Total Award Amount: $1,875,000

*NIH COBRE P20GM148278 Creager, Wong (co-PI) 4/2023 – present
Center for Rural Health Care Delivery Science
The overarching goal of this COBRE is to establish a multidisciplinary research program in rural health care delivery science and to provide expert mentorship and infrastructure to train and support a critical mass of early-career clinician-scientists as they transition into independent researchers dedicated to decreasing health care disparities in rural communities. To achieve this goal, the Center will pursue the following four specific aims: (1) Integrate research expertise, mentorship, and community engagement to establish a Center for Rural Health Care Delivery Science; (2) Enhance the transition of early-career clinician-scientists into independent researchers through strong research support and dedicated mentoring; (3) Assure accountability and achievement of milestones through the implementation of a rigorous program.
Role: **Core co-Director**: Statistics, Informatics, and Qualitative Methods (10%)
Total Award Amount: $11,561,112 (5 years)

SUBMITTED

*NIH R21 Burdick (PI)
Biometric Observations for Non-radiologic Fracture Evaluations to Care for Older People (BONESCOPE)
Aims: (1) To develop a machine learning (ML) model of fracture detection in older people, with sensitivity >90% and specificity >75%; (2) To design a refined BoneScope device in partnership with older people and clinicians. (3) To build and evaluate the refined the BoneScope device based on output from Aim 2.
Total Costs: $332,792 (2 years)

*DoD Bhattacharya (PI), Maeder (Site PI)
Multimodal Machine Learning-Enabled Personalized Treatment Planning for Aggressive Prostate Cancers

*NSF Preum (co-PI)

Collaborative Research: SCH: MATHA - Medication Adherence Through Home Health AI
The goal of this project is to develop novel sensing and inference solutions to monitor medication adherence and detect points to intervene to improve medication adherence and safety.
Role: site PI, Practice Engagement, Physician Informaticist
Subaward Total Costs: $70,120 (2 years)

*NIH R01 Dean (MPI), Burdick (MPI)
Impact of Policy and Direct-to-Consumer Advertising on Use of GLP-1 RAs in Primary Care.
Role: MPI, Physician Informaticist
Total Costs: ~$4,000,000 (5 years)

PRIOR
*NIH R03 Rork (PI) 5/2024 – 4/2026
Down Syndrome and Psoriasis: An Investigation of Cardiometabolic Risk
Aim 1: Evaluate demographics, occurrence, treatments, and severity of psoriasis in children and adults with Down Syndrome (DS). Aim 2: Determine the association between psoriasis, cardiometabolic risk factors, and cardiovascular disease in children and adults with DS. This project leverages the Epic COSMOS research database.
Role: Co-I; Physician Informaticist (5% FTE)
Total Award Amount: $306,000 (2 years)

*NNE CTR Pilot Award Burdick (pilot project leader) 5/2023 – 5/2024
Comparison of low burden data collection methods using a study on primary care telehealth and burnout
Aim 1: To pilot methods and produce preliminary data that we can use to analyze the relationship of burnout and telehealth.
Aim 2: To compare the effectiveness of completing cards using paper, embedded in the EHR, or the phone app.
This was a research pilot project, part of the Northern New England CTR (U54GM115516, Rosen PI)
Role: Pilot Project Leader
Subaward Total Amount: $30,568 (1 year)

NCI 1U01CA225451-01 Hass, Atlas, Tosteson (Co-PI) 12/2019 – 12/2023
Promoting Follow-up of Abnormal Cancer Screening Tests Using Population-Based Systems to Support Stepped Care Multilevel Intervention
Role: Co-I; Physician Informaticist, Practice Engagement (15% FTE)
Direct Annual Costs: $731,357

*Community and Family Medicine Burbank Shoemaker (PI) 10/2022 – 12/2023
Management of DM using a PCP embedded in an addiction treatment program clinic
Role: Mentor (0% FTE)
Direct Annual Costs: $50,000

*Community and Family Medicine Burbank Wulff (PI) 10/2022 – 12/2023
Impact of training PCPs on trauma-informed pelvic exams
Role: Mentor (0% FTE)
Direct Annual Costs: $50,000

*Community and Family Medicine Burbank Jaynes (PI) 6/2021 – 10/2023
Randomized, placebo controlled cross-over clinical trial of SAMe S-Adenosyl-L-Methionine in primary care for treatment of osteoarthritis.
Role: Co-I (0% FTE)
Direct Annual Costs: $50,000

*Community and Family Medicine Burbank Emeny (PI) 6/2021 – 6/2022
DH-H Collaborative Care Registry to study integrated behavioral health in a primary care setting.
Role: Co-I (0% FTE)

Direct Annual Costs: $50,000

*The Dartmouth Institute Levy Incubator Burdick, Montgomery (co-PI) 1/2021 – 1/2022
Goal-oriented, Innovative Technology and Team-based care to Reduce Readmissions, ED visits and Length of stay (GITT RREAL).
Role: co-PI (20% FTE)
Direct Annual Costs: $300,000

NLM R01 Barr (PI) 2017 – 2020
Improving patient and caregiver engagement through the application of data science methods to audio recorded clinic visits stored in personal health libraries.
Role: family medicine advisor

HRSA T32 HP30036 Bartels (PI) 2016 – 2018
NRSA – Primary Care Research Fellowship: Northern New England Postdoctoral Primary Care Research Training Program. This program is aimed at creating the next generation of investigators having the skills to address critical gaps in knowledge as needed to achieve HHS's Triple Aim: improving health care quality and population health while reducing overall health care costs. The program will leverage the dedicated capacity for real-world health services research in a rural, three-state (New Hampshire, Vermont, Maine) primary-care research network, consisting of the long-established Dartmouth CO-OP Primary Care Research Network. This research network is supported by faculty and programs in the Dartmouth Geisel School of Medicine, The Dartmouth Institute for Health Policy and Clinical Practice (TDI), and Dartmouth's SYNERGY Clinical and Translational Research Institute.
Role: Program Co-Director (0% FTE)
Direct Annual Costs: $336,869

*PCORI CDRN DeVoe (PI) 07/01/2015 – 07/01/2018
Patient Centered Outcomes Research Institute
Accelerating Data Value Across a National Community Health Center Network (ADVANCE)
Phase 2 Clinical Data Research Network (CDRN)
The aims of this study are to (1) *Integrate* outpatient, hospital, and community-level data into a single data management system; (2) *Expand* our efforts to engage patients and clinicians who contribute to the design, implementation, and interpretation of CER and PCOR studies; (3) *Develop* electronic systems for recruiting study participants and collecting patient-reported data; (4) *Strengthen* the infrastructure of our community-academic partnerships to support PCOR, and support FQHCs to become learning health systems; and (5) *Build* the capacity of our FQHC networks to meet research regulatory requirements.
Roles: Co-Investigator; Advisory Council (15% FTE)
Direct Annual Costs: $2,899,111

NIH/NCATS UL1 TR000128 Ellison (PI) 07/01/2011 – 06/01/2016
Oregon Clinical & Translational Research Institute (OCTRI) CTSA
OCTRI is fundamentally changing biomedical research to create a vibrant academic home for clinical and translational research. At the heart of OCTRI is a partnership between OHSU and the Kaiser Permanente Center for Health Research that brings together a strong biomedical research university and an innovative practice-based research center associated with a large patient population. The collaboration provides unique opportunities for expansion across the spectrum of human investigation, and sets the stage for major advances in human health.
Role: Co-Investigator; Clinical Research Informaticist (20% FTE)
Direct Annual Costs: $4,660,381

*R01 1HL120894 Gold (PI) 05/15/2014 – 04/30/2019
"SPREAD-NET: Practices Enabling Adapting and Disseminating In the safety-NET"
The aims of this study are to: (1) Compare the effectiveness of 3 strategies (low, medium, high intensity) at supporting CHCs' implementation of the ALL intervention (aspirin, lisinopril, lovastatin in patients with diabetes) through a cluster-randomized trial; (2) Assess how effectively the 3 strategies support intervention sustainability at 12, 24 and 36 months post-implementation, measured as maintenance of change over time; and (3) Identify clinic characteristics associated with the

support strategies' effectiveness (e.g. decision-making structures, leadership support, team processes / characteristics, readiness and capacity for change).
Roles: Co-Investigator; Physician Informaticist (10% FTE)
Direct Annual Costs: $662,976

*PCORI CDRN DeVoe (PI) 01/01/2014 – 06/30/2015
Patient Centered Outcomes Research Institute
Accelerating Data Value Across a National Community Health Center Network (ADVANCE)
Clinical Data Research Network (CDRN)
The aims of this study are to (1) *Integrate* outpatient, hospital, and community-level data into a single data management system; (2) *Expand* our efforts to engage patients and clinicians who contribute to the design, implementation, and interpretation of CER and PCOR studies; (3) *Develop* electronic systems for recruiting study participants and collecting patient-reported data; (4) *Strengthen* the infrastructure of our community-academic partnerships to support PCOR, and support FQHCs to become learning health systems; and (5) *Build* the capacity of our FQHC networks to meet research regulatory requirements.
Roles: Co-Investigator; Advisory Council; Clinical Informatics Director (10% FTE)
Direct Annual Costs: $3,500,000

OD, NIH UH3 AT007782 Coronado (PI) 01/2014 – 08/2017
Strategies and Opportunities to Stop Colon Cancer in Priority Populations (STOP CRC)
Colorectal cancer (CRC) is the second-leading cause of cancer death in the United States. Rates of CRC screening are extremely low in patients at Federally Qualified Health Centers (FQHCs), which serve nearly 19 million patients annually. This project will test an intervention to improve rates of CRC screening in a group of FQHCs.
Role: Site Principal Investigator, Physician Informaticist (10% FTE)
Direct Annual Costs: $585,538

*R01 CA168795 Krist (PI) 09/2013 – 06/2018
National Cancer Institute
Implementing Personal Health Records to Promote Evidence-Based Cancer Screening
The goal of this research is to study the design, implementation, use, and clinical outcomes related to a decision-support tool integrated with the EHR-tethered patient portal, and incorporating additional content and algorithms for patient engagement, increased health literacy, and shared decision-making regarding cancer screening.
Role: Site Principal Investigator/Co-Investigator; Physician Informaticist (10% FTE)
Direct Annual Costs: $480,253

AHRQ K08 Heintzman (PI) 07/2013 – 06/2017
The Primary Care Medical Home and Preventative Service Use in Latino Immigrants
The goal of this research is to use an EHR database from safety net clinics to measure preventive service use in the Latino population and to measure the impact of provider continuity and team-based care on the use of preventive services among Latino immigrants.
Role: Site Principal Investigator; Physician Informaticist (5% FTE)
Direct Annual Costs: $148,173

NIH R34 MH100371 Cohen (PI) 05/2013 – 04/2016
Turning EHRs into Assets for Mental Health and Uniting Practice (TEAM UP)
This study introduces an innovative solution to the fragmentation reinforced by current EHR systems and documentation practices. Informed by the Primary Care Change Model, the Technology Acceptance Model and user-centered design best practices, this study will examine how OCHIN's BH Navigator and primary care practices are co-evolving to support integration of mental health in primary care.
Role: Co-Investigator, Physician Informaticist (10% FTE)
Direct Annual Costs: $163,927

*PFA Cycle I Award DeVoe (PI) 03/2013 – 02/2016
PCORI

Innovative Methods for Patients and Clinics to Create Tools for Kids' Care: IMPACCT Kids' Care
The goal of the study is to develop a suite of electronic tools to bolster enrollment and retention of eligible children in Children's Health Insurance Program (CHIP) and Medicaid, then beta-test the tools by engaging families and clinics staff in a mixed methods evaluation.
Role: Co-Investigator, Physician Informaticist (10% FTE)
Direct Annual Costs: $360,406

* Kaiser Permanente NW Center for Health Research Gold (PI) 07/2013 – 06/2014
Meaningful Use of EHRs for Improved Rates of Evidence-Based Lower Back Pain Imaging: A Cross-system Analysis
This project will assess whether non-indicated and/or duplicative imaging for low back pain is associated with EHR use in diverse health care delivery settings. The work will test the hypothesis that, because of communication functions enabled through the Kaiser Permanente EHR system (known as KP HealthConnect of KPHC), Kaiser Permanente patients will have fewer radiologic procedures associated with initial lower back pain diagnoses, and if back imaging was performed, fewer subsequent duplicative procedures, compared to patients in other healthcare systems.
Role: Co-Investigator, Physician Informaticist (5% FTE)

MENTORSHIP

UVM Health Network:
- Julie Lin (Clinical Informatics, Assistant Prof Derm)
- Paul Rosenau (Clinical Informatics, Assistant Prof Pediatrics)
- Jaspinder Sra (Clinical Informatics, Assistant Prof Pulmonology)
- Terry Stein (Clinical Informatics, Assistant Prof Family Medicine)

Oregon Health and Science University:
- Kate Fultz-Hollis (MS Medical Informatics)
- Nicholas Riley (MS Medical Informatics)
- James Morrison (Clinical Informatics Fellowship)
- Steven Kassakian (Clinical Informatics Fellowship)
- Inho Kim (Clinical Informatics Fellowship)

Dartmouth College:
- Reet Kothari '26 (MS Computer Science thesis committee)
- Cindy Liu '26 (MS Computer Science)
- Joseph Gatto '26 (PhD thesis committee)
- Matthew Seegmiller (PhD Computer Science)
- Indrani Bhattacharya (Assistant Professor Biomedical Data Science)
- Sarah Preum (Assistant Professor Computer Science)
- Sam Kocen '20, Geisel '25 (Dartmouth Outing Club Undergraduate and Geisel MD program)
- Jackson Gerard '25 (Magnuson, Undergraduate)
- Vedant Tapiavala '26 (Magnuson, Undergraduate)
- John Brady '19 (Dartmouth Outing Club, Undergraduate)
- Elizabeth Decker '19 (Dartmouth Outing Club, Undergraduate)

Dartmouth Health:
- Troi Perkins (Scientist, Community and Family Medicine)
- Jessica Sand (Scientist, Community and Family Medicine)
- Meagan Stabler PhD (Scientist, Community and Family Medicine)
- Donna Ron (T32 Fellow Community and Family Medicine)
- Scott Jaynes (Assistant Professor Community and Family Medicine)
- Matthew Mackwood (Assistant Professor Community and Family Medicine)

- Alena Shoemaker (Assistant Professor Community and Family Medicine)
- Kiersten Wulff (Assistant Professor Community and Family Medicine)
- Jamie Plimpton (Clinical Instructor Community and Family Medicine)
- Karen Fortuna (Assistant Professor Community and Family Medicine)
- Tanya Luttinger (Assistant Professor Community and Family Medicine)
- Adam Sorscher (Assistant Professor Community and Family Medicine)
- Jillian Rork (Assistant Professor Derm)
- Katie Lichter (Assistant Professor Oncology)