# John Jordan, M.D., M.P.H., M.S., M.B.A.

## SUMMARY

Physician who uses health informatics and data science to improve population health, patient experience, and healthcare value. Board certifications in Preventive Medicine, Internal Medicine, and Clinical Informatics and over 15 years of experience as a physician leader and executive. Recent activities focus on Epic electronic health record (EHR), population health analytics, health information exchange (HIE) interoperability, data governance, clinical decision support (CDS), quality improvement, value-based care, developing business plans for health system interventions, and interpreting health policy. Technology experience using machine learning, predictive models, artificial intelligence (AI), natural language processing (NLP), optical character recognition (OCR), voice to text, and cloud infrastructure. Public Health experience with state and federal government using clinical epidemiology and public health informatics to investigate infectious disease outbreaks, and managing a large public health region in a diverse community. Direct patient care experience in a wide range of clinical settings including academic medical centers, charity clinics, and international disasters.

## EDUCATION

WHARTON SCHOOL OF BUSINESS, UNIVERSITY OF PENNSYLVANIA, Philadelphia, PA — May 2023
Master of Business Administration

JOHNS HOPKINS UNIVERSITY, Baltimore, MD — Aug 2021
Master of Science in Applied Health Sciences Informatics

UNIVERSITY OF NORTH CAROLINA, Chapel Hill, NC — May 2007
Doctor of Medicine

UNIVERSITY OF NORTH CAROLINA, Chapel Hill, NC — May 2007
Master of Public Health

FLORIDA STATE UNIVERSITY, Tallahassee, FL — Apr 2001
Bachelor of Science in Biology

## MEDICAL LICENSES & REGISTRATIONS

- Texas Medical License #N1697
- Florida Medical License #ME116027
- U. S. DEA Controlled Substance Registration

## CERTIFICATIONS

- Board Certifications in Public Health and General Preventive Medicine, Internal Medicine, and Clinical Informatics
- Fellowship in Applied Epidemiology
- Multiple Epic Accreditations including Physician Builder, Healthy Planet, Analytics, and Cogito
- Microsoft Azure Fundamentals (AZ-900)
- Tableau Desktop Specialist
- SAS Certified Base Programmer for SAS 9
- Previous U.S. Government Security Clearance

## EXPERIENCE

**Clinical Associate Professor**

TEXAS STATE UNIVERSITY, Round Rock, TX 2024-Present

- Program Faculty for the Department of Health Informatics and Information Management
- Activities focused on developing Health Informatics courses

**Director of Clinical Informatics and Care Integration**

CENTRAL HEALTH, Austin, TX 2022-2024

- Designing and implementing electronic health record systems (EHR) to ensure clinical concepts are successfully translated to technical specifications and desired outcomes
- Activities focused on improving workflow, developing reports and dashboards, interoperability, evaluating third-party vendors, and leading provider builder program
- Member of Medical Executive Board; Epic Advisory Council (Co-chair); Epic Ambulatory Workgroup (Co-chair); Policy, Procedure & Protocol Committee; Quality Committee; Credentialing Committee; and Data Governance Committee

**Analytics Medical Director**

HUMANA MILITARY, Austin, TX 2016-2022

- Analytics Medical Director at the largest Dept. of Defense healthcare contractor for over 6 million TRICARE beneficiaries
- Developed and led COVID-19 tabletop exercise in Feb 2020 with only 11 cases in the U.S., which resulted in proactive shift to work-at-home to mitigate company risk and facilitate enterprise collaboration
- Board of Directors for Humana's Bold Goal in San Antonio and Houston
- Activities focused on population health analytics, health information exchange (HIE) interoperability, data governance, quality improvement, value-based care, developing business plans for health system interventions, and interpreting health policy
- Collaborated with community stakeholders to address population health concerns, such as diabetes and social determinants of health, and identify solutions through data science, research, and innovation
- Experience in many aspects of health insurance including credentialing committee (former chair), patient safety committee, utilization management, clinical quality management, and HEDIS measures

**Epidemic Intelligence Service Officer**

CENTERS FOR DISEASE CONTROL AND PREVENTION (CDC), Atlanta, GA 2014-2016

- Florida Department of Health (FDH): Investigated diseases and conditions related to the health of populations and worked to prevent them among over 19 million residents in Florida and millions of domestic and international travelers
- Global Migration Task Force (GMTF): Selected for small team to establish Ebola screening at Chicago O'Hare Airport, which resulted in evaluation of first traveler sent directly to hospital for Ebola testing and many other travelers
- Sierra Leone Trial to Introduce a Vaccine against Ebola (STRIVE): Selected for small team to implement Ebola vaccine clinical trial protocols in Sierra Leone, which resulted in developing and teaching a two-day training for Sierra Leone physicians and nurses
- Applied epidemiology and public health informatics tools (state-wide databases, electronic syndromic surveillance system, electronic medical records, and GIS mapping) to investigate outbreaks and analyze risk factors associated with diseases, such as Chikungunya, Meningococcal Meningitis, Influenza, and Nontuberculous Mycobacterium
- Medical consultant for suspected communicable diseases, including Ebola, Enterovirus D68, Measles, Respiratory Syncytial Virus (RSV), Pertussis, Rubella, Legionella, Dengue, Healthcare-Associated Infections (HAI) and Zika

- Authored MMWR publication and delivered 6 presentations

**Senior Physician**
FLORIDA DEPARTMENT OF HEALTH, Tallahassee, FL 2014
- Experience working on Public Health policy in Office of Performance and Quality Improvement
- Editor for Monograph published by Florida Medical Association
- Managed patient suspected to have Middle East Respiratory Syndrome (MERS) in Florida
- Delivered 2 presentations

**Internal Medicine Resident Physician**
GEORGE WASHINGTON UNIVERSITY, Washington, DC 2012-2014
- Evaluated and treated adult patients at a busy tertiary care hospital and outpatient clinic in downtown District of Columbia
- Grant Reviewer for HRSA and Peer Reviewer for Cochrane Collaboration
- Developed novel public health elective rotations at CDC and DC Dept of Health

**Regional Medical Director**
TEXAS DEPARTMENT OF STATE HEALTH SERVICES, Houston, TX 2009-2012
- Responsible for a large public health region with 140 staff and $6 million budget in a diverse community, which provided HIV/STD, Tuberculosis, Epidemiology, Immunizations, Zoonosis, Social Work, WIC, Sanitation, Public Health Preparedness, Public Health Improvement, Nutrition, Tobacco, and Dental programs
- Regularly coordinated with community leaders to discuss the H1N1 pandemic response, including Texas Medical Center's H1N1 Advisory Group (2009-2010), and Pandemic Influenza Regional Conference (2009)
- Prepared for natural disasters and responded to Hurricane Alex in 2010
- Peer Reviewer for CMAJ, delivered 7 presentations, and 3 live TV interviews

**Preventive Medicine Resident Physician**
UNIVERSITY OF SOUTH CAROLINA, Columbia, SC 2008-2009
- Diverse training in epidemiology, outbreak investigation, occupational health, military medicine, health policy, and healthcare administration
- Completed research elective at CDC, which resulted in co-authored publication
- Authored publication using national population-weighted sample data

**Internal Medicine Intern Physician**
BAYLOR COLLEGE OF MEDICINE, Houston, TX 2007-2008
- Evaluated and treated adult patients at a busy tertiary care hospital and outpatient clinic in downtown Houston

## CLINICAL EXPERIENCE

**Internal Medicine Physician**
CENTRAL HEALTH and COMMUNITYCARE HEALTH CENTERS, Austin, TX 2023-2024
VETERANS AFFAIRS, Tallahassee, FL 2016

**Volunteer Physician**
MULTIPLE FACILITIES
- VOLUNTEER HEALTHCARE CLINIC, Austin, TX 2024-Present
- COVID-19 MASS VACCINATION CLINIC, San Antonio, TX Jan 2021

- VOLUNTEERS IN MEDICINE CLINIC, New Braunfels, TX 2019-2020
- HURRICANE HARVEY MEDICAL SHELTER, San Antonio, TX Aug 2017
- SAN JOSE CLINIC, Houston, TX 2010-2012
- HOPITAL ADVENTISTE EARTHQUAKE RELIEF, Port Au Prince, Haiti Mar 2010

## UNIFORMED SERVICE

**Medical Officer, Lieutenant Commander**

UNITED STATES PUBLIC HEALTH SERVICE, Atlanta, GA 2014-2016

- Committed to protecting, promoting, and advancing the health and safety of the nation

## SELECTED TEACHING AND ADVISING EXPERIENCE

- **Member**, TEXAS MEDICAL ASSOCIATION (TMA) – Health Information Technology (HIT) Committee (Jul 2024-Present)
- **Member**, FOOD AND DRUG ADMINISTRATION (FDA) – General Hospital and Personal Use Devices Panel of Medical Devices Advisory Committee, Silver Spring, MD (Oct 2023-Present)
- **Subject Matter Expert (various project dates),** AMERICAN BOARD OF PREVENTIVE MEDICINE (ABPM) – Panelist, AMERICAN MEDICAL INFORMATICS ASSOCIATION (AMIA)/IBM – Corporate Roundtable, AMERICAN COLLEGE OF PREVENTIVE MEDICINE (ACPM) – Population Health, CAREQUALITY – Patient Matching Workgroup, FOOD AND DRUG ADMINISTRATION (FDA) – Network of Digital Health Experts, NATIONAL SCIENCE FOUNDATION – Innovation Corps.
- **Preceptor,** JOHNS HOPKINS UNIVERSITY SCHOOL OF MEDICINE, Baltimore, MD (Mar 2021)
- **Adjunct Professor,** UNIVERSITY OF TEXAS SCHOOL OF PUBLIC HEALTH, Houston, TX (2011-2013)
- **Peer Reviewer,** COCHRANE COLLABORATION, London, UK (Jan 2013)
- **Grant Reviewer,** HEALTH RESOURCES AND SERVICES ADMIN. (HRSA), Rockville, MD (Aug 2012)
- **Preventive Medicine Faculty,** TEXAS DEPT. OF STATE HEALTH SERVICES, Austin, TX (2011-2012)
- **Peer Reviewer,** CANADIAN MEDICAL ASSOCIATION JOURNAL, Ottawa, ON (Jul 2011)
- **MCAT Instructor,** KAPLAN TEST PREP, Fort Lauderdale, FL (2001-2004)

## SELECTED RESEARCH EXPERIENCE

- Precision Medicine at Johns Hopkins University School of Medicine (Oct 2020-Apr 2021)
- Respiratory Disease Epidemiology at Centers for Disease Control and Prevention (Jul-Aug 2013)
- Enteric Disease Epidemiology at Centers for Disease Control and Prevention (May-Jun 2009)
- Pandemic flu preparedness at North Carolina Dept. of Public Health (May-Jun 2006)
- Tdap vaccine study at UNC, Div. of Infectious Diseases (Jan-May 2007)
- Murine embryonic stem cells at UNC, Dept. of Transplant Surgery (May-Dec 2003)
- Bariatric surgery outcomes at U.S. Bariatric Surgery Centers (Sep 2001-May 2002)

## ADDITIONAL EXPERIENCE

**County Health Authority**

BRAZORIA COUNTY HEALTH DEPARTMENT, Angleton, TX 2010

- Assisted Brazoria County during their transition between Medical Directors by overseeing the medical services provided at their clinics and any issues related to the spread of communicable disease in the community

## PUBLICATIONS

- **Jordan J**, Pritchard S, Nicholson G, et al. Pneumonia Associated with an Influenza A H3 Outbreak at a Skilled Nursing Facility – Florida, 2014. MMWR 2015;64:985-6
- Editor for *Healthiest Weight: A Life Course Approach* monograph, Florida Medical Association Press, 2014.
- Gould H, **Jordan J**, Dunn J, et al. Postdiarrheal Hemolytic Uremic Syndrome in Persons Aged 65 and Older in Foodnet Sites, 2000-2006. Journal of the American Geriatric Society. 59:366–379, Feb 2011
- **Jordan J,** Mann J. Obesity and Mortality in Persons with Obstructive Lung Disease Using Data from the NHANES III. Southern Medical Journal. 103(4):323-330, Apr 2010.
- North Carolina Medical Society Policy (2003). "North Carolina Organ Donor Registration" - That the North Carolina Medical Society actively support the passage of Senate Bill 852 "Organ Donor Org's./Access to DMV Records" and promote public awareness.
- Marema RT, Krahn DM, **Jordan JG**, Buffington CK. High Incidence of Thrush with Bariatric Surgery. Obes Surg 13:566, 2003.
- Marema RT, Buffington CK, **Jordan JG**. Age of Obesity Onset: Influence on Body Size and Surgical Weight Loss Success. Obes Surg 12:188, 2002.
- Wilhide WM, Eaton TL, Buffington CK, Marema RT, **Jordan JG**. Pre-operative Predictors of Surgical Respiratory Complications. Obes Surg 12:191-2, 2002.
- Krahn DM, Marema RT, Buffington CK, **Jordan JG**. Stapler Port Site Infection with the Transoral Circular Stapled Technique in 182 Laparoscopic Gastric Bypass Surgeries. Obes Surg 12:214, 2002.

## SELECTED PRESENTATIONS

- "Clinical Use of Artificial Intelligence" for ACHE Central Texas and HIMSS Symposium on Oct 24, 2024
- "Applied Clinical Informatics in a Growing Hospital District" for HIMSS Central Texas on June 11, 2024
- "Brains in a Bar: Impact of AI Across Industries" for Rice Alliance Austin on Feb 22, 2024
- "Adaptive Clinical Decision Support" for Humana Military Professional Analytics Conference on Mar 17, 2021
- Panelist for "Informatics Education Program Admissions Information Session" for Johns Hopkins Division of Health Sciences Informatics on Feb 11, 2021
- "Literature searching: Building on existing knowledge" for Humana Military on Dec 10, 2020
- "Coronavirus and Culture" for Humana Network Resource Group on Apr 1, 2020
- "nCoV Tabletop" for Humana Military on February 6, 2020
- "Zika Virus – Updates on Interim Zika Virus Clinical Guidance, Recommendations, and U.S. Zika Pregnancy Registry" for Florida Department of Health on May 16, 2016
- "Nontuberculous Mycobacterium Respiratory Infections – Florida, 2014" for 65$^{th}$ Annual Epidemic Intelligence Service Conference on May 2, 2016
- "Enhanced Chikungunya Surveillance — Florida, 2014" for 2015 International Conference on Emerging Infectious Diseases (ICEID) on August 24, 2015
- "Chikungunya Case Series — Florida, 2014" for 2015 Council of State and Territorial Epidemiologist Conference (CSTE) on June 16, 2015
- "An Evaluation of Florida ESSENCE Syndromic Surveillance System for Emerging Diseases" for EIS Fall Course on Dec 8, 2014
- "Enterovirus D68" for Florida School Health Coordinators on Oct 9, 2014
- "Epidemiology of West Nile Virus" for George Washington University on Aug 31, 2012
- "H1N1 Pandemic Influenza" for University of Texas Health Science Center Occupational Medicine Residency on Oct 7, 2011
- "Clinical Role in Public Health" for University of Texas School of Public Health on Oct 25, 2011
- "Ready or Not: Preparing for Disasters" interview for KRIV (Houston News Station) on Sep 9, 2011; KRIV (Houston News Station) on Aug 3, 2010; KPRC (Houston News Station) on Jul 8, 2010

- "To Test or Not to Test" for Test Texas HIV Coalition on Jun 24, 2011
- "Public Health in Texas" for Texas Elected Officials workshop on Jun 13, 2011; UTHSC Occupational Medicine Residency on Jun 10, 2011
- "Epidemiology of West Nile Virus in Texas" for Baylor College of Medicine Grand Rounds on Nov 18, 2010
- "Haiti after the Earthquake: Ethical Issues of Medical Missions" for Texas Medical Association Annual Conference on Apr 30, 2010
- Representative for the Texas Department of State Health Services for Texas Medical Center's H1N1 Advisory Group (2009-2010), Pandemic Influenza Regional Conference (2009), and Improving the Prevention and Treatment of Rabies and Tetanus through Utilization of CDC Guidelines and Statewide Resources Symposium (2010)

## SELECTED CONTINUING EDUCATION

HEALTH INFORMATICS and DATA SCIENCE

- Health Information Management Systems Society (HIMSS) Annual Global Conference & Exhibition in Orlando, FL (2024, 2022 & 2019)
- Epic XGM and UGM Annual Conferences in Verona, WI (2023 & 2022)
- American Medical Informatics Association (AMIA) Annual Clinical Informatics Conference in Minneapolis, MN (May 2024); and Chicago, IL (May 2023)
- American Medical Informatics Association (AMIA) Clinical Informatics Board Review Course (CIBRC), virtual (Sep 2020)
- ONC Annual Meeting in Washington, DC (Jan 2020)
- Carequality/eHealth Exchange annual meeting in National Harbor, MD (Dec 2019 & Oct 2018)
- Power BI Dashboard in a Day from Microsoft (Dec 2019)
- Azure Fundamentals online course from Microsoft (Mar 2019)
- Health Datapalooza from Academy Health in Washington, DC (Apr 2018)
- HASA 2017 Healthcare Data Reporting Conference from HASA Health Information Organization in San Antonio, TX (Jan 2017)
- Epic courses on Physician Builder, Physician Builder: Analytics, Physician Builder: Healthy Planet
- Data Science courses from DataCamp on Introduction to SQL, Introduction to Python, Introduction to Data Visualization with Matplotlib, Introduction to Data Science in Python, pandas Foundations, Data Manipulation with pandas, Analyzing Police Activity with pandas, and Intermediate Python.

CLINICAL

- TexMed Conference from Texas Medical Association in Dallas, TX (May 2024); San Antonio, TX (May 2018); and in Houston, TX (May 2017)
- American College of Physicians (ACP) Annual Internal Medicine meetings in San Diego, CA (Apr 2023); in Chicago, IL (Apr 2022); in New Orleans, LA (Apr 2018); and Texas Chapter Meeting in San Antonio (Nov 2017)
- AMSUS Society of Federal Health Professionals Annual meetings in National Harbor, MD (Feb 2022, Dec 2020, Dec 2019, & Dec 2018)
- Safely Returning to Work Virtual Symposium from American College of Occupational and Environmental Medicine (Jun 2020)
- Medical Review Officer Training: Drug and Alcohol Testing from ACOEM in Atlanta, GA (Nov 2012)
- Commercial Driver Medical Examiner Training from ACOEM online (Oct 2012)
- TB Intensive and Pediatric TB Intensive from Heartland National TB Center in Houston, TX (Nov 2009)

MANAGEMENT and LEADERSHIP

- American College of Healthcare Executives (ACHE) Congress on Healthcare Leadership in Chicago, IL (Mar 2024)
- Medical Group Management Association (MGMA) Leaders Conference in Nashville, TN (Oct 2023)
- Wharton Health Care Management Alumni Association (WHCMAA) Annual Conference in Philadelphia, PA (Oct 2023)
- Value-Based Health Care Delivery Intensive Seminar from Harvard Business School in Boston, MA (Jan 2020)
- Business Acumen: Building business and financial literacy from Humana in Louisville, KY (Oct 2019)
- Presenting with a Purpose from Humana Office of Chief Medical Officer (Jan 2018)
- Change Leadership Training from Humana in Louisville, KY (Oct 2016)
- Governor's Executive Development Program from Texas Governor's Center for Management Development (2010)

POPULATION HEALTH, PUBLIC HEALTH, and PREVENTIVE MEDICINE

- American College of Preventive (ACPM) Medicine Annual meetings in Pittsburgh, PA (May 2019); in Portland, OR (May 2017); and in San Antonio, TX (Feb 2011)
- Healthcare Transformation Summit from Modern Healthcare in Austin, TX (May 2019 & Jun 2018)
- ICHOM 2019 from International Consortium for Health Outcomes Measurement (ICHOM) in Rotterdam, Netherlands (May 2019)
- Population Health Colloquium from Jefferson School of Population Health in Philadelphia, PA (Mar 2019 & Mar 2017)
- Annual HEDIS & Quality Improvement Summit in San Antonio, TX (Oct 2016)
- NIOSH Orientation from NIOSH in Morgantown, WV (Nov 2015)
- International Conference on Emerging Infectious Diseases from ICEID in Atlanta, GA (Aug 2015)
- National Incident Management Systems (IS-100/200/300/400/700/800)

FOREIGN LANGUAGE

- Spanish at Rice University School of Continuing Studies (Level III in Fall 2010 & Level IV in Winter 2011)

## TECHNICAL SKILLS

- Data management and analysis using Python, RStudio, SQL, Tableau, Power BI, SAS, Excel, Epi Info, STATA, and Access
- Data science and artificial intelligence (AI) using machine learning, predictive models, natural language processing (NLP), optical character recognition (OCR), voice to text
- Medical records using Epic, Cerner, VA CPRS, Athenahealth, and Allscripts
- Cloud Computing using Azure
- Population health tools for risk stratification and quality improvement using Optum Episode Treatment Group (ETG) and Johns Hopkins Adjusted Clinical Groups (ACG)
- Clinical decision support using MCG Care Guidelines and Interqual
- Information retrieval of evidence-based medicine using Hayes, UpToDate, and Dynamed
- National population-based survey analysis using National Health and Nutrition Examination Survey (NHANES) and Behavioral Risk Factor Surveillance System (BRFSS)
- Public health reportable diseases using Electronic Surveillance System for the Early Notification of Community-based Epidemics (ESSENCE), Florida's reportable disease system (Merlin), and Epi-X

## SELECTED HONORS AND AWARDS

U.S. PUBLIC HEALTH SERVICE

- Presidential Unit Citation – Highest unit award issued to a uniformed service. Established for extraordinary courage and the highest level of performance in action throughout the U.S. Government's response to the Ebola outbreak.
- Achievement Medal – Granted for superior efforts or outcomes in accomplishing a program's mission.
- Foreign Duty Award – Granted to officers who served outside the United States for at least 30 consecutive days.

UNC SCHOOL OF MEDICINE

- Academic Merit Award
- Honors - First Year Medical School
- NIH Short Term Research Training Grant
- Eugene S. Mayer Community Service Honor Society
- John B. Graham Student Research Society

FLORIDA STATE UNIVERSITY

- Cum Laude
- Florida Undergraduate Scholarship – 4 Year Full Academic Scholarship
- Florida State University Dean's List
- Honor Societies: Phi Beta Kappa, Golden Key, Mortar Board, Alpha Epsilon Delta

## PROFESSIONAL ORGANIZATIONS

- American Medical Informatics Association (Member 2020-present)
- American College of Physicians (Member 2018-present, 2012-2013)
- State medical associations
    - Texas Medical Association (Member 2017-present, 2010); South Carolina Medical Association (Member 2009); North Carolina Medical Society (Delegate 2003 and Member 2002-2007)
- The Health Cell (2017-2020)
- Health Information Management Systems Society (Member 2022-present, 2019)
- American College of Preventive Medicine (Member 2017-2019, 2011-2012)
- Florida Public Health Association (Member 2015-2016)
- USPHS Junior Officer Advisory Group (Participant 2014-2016)
- USPHS Physicians Professional Advisory Committee (Participant 2014-2016)
- American College of Occupational Medicine (Member 2013)
- Texas Public Health Association (Member 2010-2012)
- American Medical Association (Councilor for Council on Constitution and Bylaws 2006-2007, Recruitment Chair for the UNC student chapter 2006-2007, President of the UNC student chapter 2003-2004, Southeast Regional Delegate 2004, Medical Student Section Delegate 2003, Student Lobbyist for National Physician's Lobby Day 2003 & 2006, and Member 2002-2008)

## EXTRA-CURRICULAR ACTIVITIES

- UNC Graduate Honor Court (2006-2007)
- "Life Takes Guts" Organ Donor Awareness Program (Treasurer 2005, Marketing Committee 2004 and Member 2003-2005)
- Curriculum Committee for UNC School of Medicine (2005)

## COMMUNITY SERVICE

- Volunteer Healthcare Clinic (Volunteer Physician 2024)
- COVID-19 Mass Vaccination Clinic (Volunteer Physician 2021)
- New Braunfels Volunteers in Medicine Clinic (Volunteer Physician 2019-2020)
- Hurricane Harvey Medical Shelter (Volunteer Physician 2017)
- San Jose Clinic, charity clinic in downtown Houston (Volunteer Physician 2010-2012)
- Student Health Action Coalition (SHAC) free clinic operated by UNC students (Volunteer 2003-2005)
- AMA Healthy Lifestyles and Stop Smoking Campaigns at North Carolina State Fair (Volunteer2002-2004)