Trends in Health Care: DISRUPTORS AND OPPORTUNITIES

Academy of Managed Care Pharmacy Foundation

8th ANNUAL RESEARCH SYMPOSIUM

October 22, 2018 • Orlando, Florida





Genentech





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New practitioners, graduate students, residents, fellows, student pharmacists, patient advocates, researchers, clinicians, or other health care professionals with an established commitment to placing research in practice were invited to apply for scholarships to attend the 2018 Research Symposium. Scholarships were made possible, through the support of our funding partners.

Congratulations to the following recipients!

- Candyce Collins, PharmD, BCACP, CHCQM, Banner Health
- Victoria Facchini, PharmD, Senior Health Services, a Blue Cross Blue Shield of Michigan subsidiary
- Fahim Faruque, PharmD, Janssen Scientific Affairs and University of the Sciences
- Shantel Gooden, PharmD, USP/Janssen
- Lee Holland, PharmD, MPH, Pharmacy Quality Alliance
- Kylie Josefiak, Western New England University College of Pharmacy and Health
- Dian Lin, University at Buffalo
- Anthony Marti, PharmD, MBA, Promius Pharma
- Cedric Owens, PharmD, MBA, Humana
- Bimal Patel, PharmD, MS, MedImpact Healthcare Systems



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Trends in Health Care: Disruptors and Opportunities

Among the certainties in health care is the constant pace of change and its intensity. Recognizing the speed of health care innovation and redesign in the delivery of patient services, the AMCP Foundation is building upon our legacy of researching trends in health care. Today, we unveil new findings that highlight future directions and identify forcing factors that will disrupt health care. Our speakers will illustrate the implications if stakeholders fail to address the significance of these trends.

Our 8th Annual Research Symposium will center on programs undertaken to address anticipated change, status of their implementation, and consequences of inaction. In our analysis of emerging trends and health care leaders engaged in best practices, we focused on:

- Patient and consumer groups concerned about the determination process for access to cost-effective health care services, and new therapies,
- Employers as payers and those involved in health care plan design and selection,
- · Health plans and PBMs, and others involved in transitions to value-based plan designs
- Physician groups, hospital systems, IDNs, ACOs, and others integrating medical and pharmaceutical therapy, and
- Policy makers at the federal and state level contemplating actions that can be viewed as disrupting future delivery of managed care pharmacy services.

Active participation by Symposium attendees is strongly encouraged. The ideas and recommendations that emerge will result in identifying tangible strategies, programs, and actions that can help improve the quality of health care delivery and patient outcomes.

Our efforts in informing health care professionals and others about the evolving health care environment began in 1990 when the Foundation was created, and do not end today. The AMCP Foundation is committed to sharing today's findings and continuing to refine this body of knowledge. Please plan to attend our post-Symposium webinar December 5, and look for a Symposium summary to be distributed with a future issue of AMCP's *Journal of Managed Care and Specialty Pharmacy*.

With gratitude, we acknowledge the generous and sustained support of Pfizer, Inc. for the AMCP Foundation's Trends in Health Care research series, and for the 2018 Research Symposium. We also acknowledge our research partner, Xcenda, LLC.

Paula J. Eichenbrenner, MBA, CAE, Executive Director Phillip L. Schneider, MA, MS, Senior Consultant, Strategic Initiatives Ebony S. Clay, PMP, Senior Manager of Programs & Development









2018 AMCP Foundation Symposium / 3

AGENDA



OCTOBER 22, 2018

12:30	Welcoming Remarks	Paula J. Eichenbrenner, MBA, CAE Executive Director, AMCP Foundation
	Managed Care Pharmacy: Preparing for the Future	Susan A. Cantrell, RPh, CAE AMCP Foundation Chair and AMCP CEO
	The Practice of Pharmacy in the Future	Kevin B. Sneed, PharmD, Dean, USF College of Pharmacy Senior Associate Vice President, USF Health Symposium Moderator
	Best Poster Presentation: Social Determinants of Health	Laura E. Happe, PharmD, MPH, Editor-in-Chief, <i>JMCP</i> Karl M. Kilgore, PhD, Director, Advanced Analytics, Avalere Health
1:25	Keynote: The Changing Health Care Landscape – Realizing Comprehensive, Multidisciplinary, and Integrated Health	Reed V. Tuckson, MD Managing Director, Tuckson Healthcare Connections Former EVP and Chief of Medical Affairs, UnitedHealth Group and Medical Care
1:50	New Research Findings: Anticipating Disruptors in Health Care Trends	Matthew Sarnes, PharmD, Senior Vice President and Breanna Popelar, PharmD, MS, Assistant Director, Xcenda
3:00	Break	
Stakeholder Presentations: Perspectives on Innovations in Health Care		
3:15	Physicians: Is Cancer Treatment a Stalking Horse for the Future of Health Care	J. Leonard Lichtenfeld, MD, Deputy Chief Medical Officer, American Cancer Society
	Patients: The Future of Person-Centered Care: Creating Innovations in Delivery and Patient Care that Matter to Patients	Alan Balch, PhD, President, National Patient Advocate Foundation
	Health Plans: Addressing the Social Factors	Kathleen Stillo, MBA, VP Operations
	of Health is Good Medicine	Clinical Redesign Team, UnitedHealthcare
	of Health is Good Medicine Employers: Employers, Benefit Creativity, and Disruptive Factors	Clinical Redesign Team, United Healthcare F. Randy Vogenberg, PhD Director, Institute for Integrated Healthcare
5:15	Employers: Employers, Benefit Creativity,	F. Randy Vogenberg, PhD

Abstract Title: Using Aggregate Data to Proxy Individual-Level Socioeconomic Characteristics in Research on Medication Adherence: 9-Digit ZIP Code vs. Census Block Group

Primary Author: Karl M. Kilgore, PhD, Director, Advanced Analytics, Avalere Health

Co-Authors: Christie Teigland, PhD, Vice President, Advanced Analytics, Avalere Health; and Zulkarnain Pulungan, PhD, Senior Director, Advanced Analytics, Avalere Health

Background:

Socioeconomic characteristics of patients, or Social Determinants of Health (SDoH), are receiving increased emphasis in research on healthcare processes and outcomes, including medication adherence (MA). The use of aggregate proxy data, where SDoH characteristics of residential areas are imputed to the individual and used to risk adjust health outcomes, is common in research on social risk factors. This study compares two models relating individual patient MA outcomes to a set of similarly defined SDoH proxy variables calculated from two different levels of aggregation: 9-digit ZIP Code (ZIP9) vs. Census Block Group (CBG).

Objective:

To compare proxies for individual level SDoH drawn from two different neighborhood sizes, CBG vs. ZIP9, in modeling healthcare outcomes, specifically 3 standard MA measures.

Methods:

The study sample included 1.7 million Medicare Advantage beneficiaries, continuously enrolled in 2015, extracted from a national claims database. Based on address, beneficiaries were matched to household SDoH variables from: 1) a commercial market research database of the US population, aggregated at the ZIP9 level (>30M areas), and 2) the American Community Survey, aggregated at the CBG level (approximately 220K areas). Common SDoH variables in the two databases were race, education, marital status, home ownership, and income. These variables, recoded to have consistent response groups, were used as predictor variables in two generalized linear regression models. Response variables (outcomes) at the individual level were based on 3 PQA MA measures, also used in CMS Star Ratings for Part D health plans, specifically Medication Adherence for: Diabetes Medications (MA-D), Hypertension (MA-H), and Cholesterol (MA-C).

Results:

In general, all SDoH variables were significantly predictive of MA for all 3 measures, regardless of the level of aggregation. However, predictors at the ZIP9 level yielded statistically significant parameter estimates nearly twice as often as CBG. This was particularly true for income and home ownership. The differences in the number of significant effects appeared to be the result of both larger parameter estimates and smaller standard errors for ZIP9 compared to CBG.

Conclusion:

SDoH are highly associated with medication adherence. When using aggregate proxies for individual-level characteristics, smaller neighborhood sizes can provide a more precise measurement of the sociodemographic differences which exist within the population and their association with health outcomes.





Alan Balch, PhD

The Future of Person-Centered Care: Creating Innovations in Delivery and Patient Care that Matter to Patients

Dr. Balch has over fifteen years of executive leadership in the non-profit sector with an emphasis on consensus-building and collaboration. He has led numerous federal advocacy efforts on a range of issues both at the legislative and regulatory level. He became the CEO of both PAF and NPAF in 2013. From 2006-2013, he served as Vice President of the Preventive Health Partnership -- a national health promotion collaboration between the American Cancer Society, American Diabetes Association, and American Heart Association. Prior to his work with the Preventive Health Partnership, Dr. Balch was the Executive Director of Friends of Cancer Research.

Dr. Balch has served on the Executive Board of Patient Advocate Foundation and National Patient Advocate Foundation since 2007. He also serves on numerous advisory boards and committees including the External Advisory Board for the Hutchinson Institute for Cancer Outcomes Research (HICOR), the Duke-Margolis Payment Reform Group, Robert Wood Johnson Foundation/Avalere Cost of Care Advisory Board, the Quality and Outcomes Committee for the National Comprehensive Cancer Network (NCCN), and recently served on the Guiding Committee for the Health Care Payment Learning and Action Network (LAN). Dr. Balch also serves on the Finance Committee and the Membership Committee for the National Health Council in Washington, DC, and is on the inaugural board for The American Journal of Managed Care's (AJMC) Institute for Value-Based Medicine (IVBM).

He earned his PhD in 2003 from the University of California, his master's degree in 1997 from the University of Texas; and his bachelor's degree (cum laude) in 1994 from Trinity University in San Antonio.



Susan A. Cantrell, RPh, CAE

Managed Care Pharmacy: Preparing for the Future

Susan A. Cantrell, RPh, CAE, is Chief Executive Officer of the Academy of

Managed Care Pharmacy (AMCP), a national professional association of pharmacists and other health care practitioners who develop and provide clinical, educational, business and medication management services and strategies on behalf of the 270 million Americans covered by a managed care pharmacy benefit. AMCP's more than 8,000 members serve society by the application of sound medication management principles and strategies to improve health care for all.

Previously in her career, Susan was Senior Vice President and Managing Director, Americas for the Drug Information Association (DIA), an 18,000-member global society of professionals involved in the development and life-cycle management of pharmaceuticals and other medical products. In this role, she was responsible for the development and implementation of DIA's strategy in North, Central, and South America, including collaboration with regulatory agencies and other key organizations in the region.

Before joining DIA, Susan was Vice President of Resources Development at the American Society of Health System Pharmacists (ASHP), where she worked for 19 years in a series of progressively responsible positions. While at ASHP, she helped launch ASHP Advantage and build ASHP's online learning enterprise, providing innovative continuing education offerings for pharmacists, physicians, and other members of the health care team. Under her leadership, ASHP became the only pharmacy association accredited by the Accreditation Council for Continuing Medical Education as a provider of continuing medical education for physicians.

Susan is a graduate of the University of Mississippi College of Pharmacy and she completed an ASHP-accredited hospital pharmacy residency program at University of Mississippi Medical Center. She received her Certificate in Public Health from the University of North Carolina Gillings School of Public Health. A registered pharmacist and former hospital and home care pharmacy administrator, she has extensive experience in pharmacy leadership, medical education, health policy and regulation, and nonprofit association management.

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SPEAKERS

She is certified by the American Society of Association Executives as a Certified Association Executive (CAE). She is an active member and has served in a number of volunteer leadership positions in the American Society of Association Executives, the Academy of Managed Care Pharmacy, the American Society of Health System Pharmacists, and the International Pharmaceutical Federation.



Paula J. Eichenbrenner, MBA, CAE

Welcome

Paula Eichenbrenner was appointed Executive Director of the Academy of

Managed Care Pharmacy (AMCP) Foundation in November 2015. In this capacity, she partners with the Board of Trustees to provide strategic leadership for the AMCP Foundation, the Academy's philanthropic and educational arm. Eichenbrenner also serves on the Board as Secretary and exofficio Trustee.

Prior to joining the AMCP Foundation, Ms. Eichenbrenner held leadership roles at the American Society for Nutrition/ ASN Foundation and the Council for Affordable and Rural Housing. She has been recognized with numerous industry distinctions, including the Association Trends Young & Aspiring Association Professional Award.

Eichenbrenner is a Certified Association Executive (CAE) with fundraising and public affairs experience in diverse non-profit settings including trade associations, professional societies and foundations. She holds a Master's in Business Administration (MBA) with a specialization in global business from Virginia Tech, and is an honors graduate of Tulane University. She is a member of the Association Foundation Group (where she serves as Secretary on the Board of Directors), the Association of Fundraising Professionals and the American Society of Association Executives. Additionally, Paula serves on the Newcomb College Institute Director's Advisory Council.



Laura E. Happe, PharmD, MPH

Best Poster Presentation: Social Determinants of Health

Laura E. Happe, PharmD, MPH is the Editor-in-Chief of the *Journal of*

Managed Care and Specialty Pharmacy (JMCP), the official peer-reviewed journal of the Academy of Managed Care Pharmacy. JMCP is dedicated to improving the quality of care for patients by publishing the results of scientific evaluation to a circulation of over 30,000 people. Laura's professional experience has spanned across pharmacy benefit management, mail order pharmacy, health plan, consulting, and academia. Laura earned her Doctorate of Pharmacy degree from Creighton University and is a licensed pharmacist in both Florida and Arizona. She also holds a Master's of Public Health degree with an emphasis in epidemiology from the University of South Florida and is fellowship trained in pharmacoeconomics and outcomes research.



Karl M. Kilgore, PhD

Best Poster Presentation: Social Determinants of Health

Dr. Kilgore has over 20 years of experience designing and developing

health economics & outcomes studies, descriptive & analytic epidemiology studies, outcomes-based marketing programs and disease registries. His professional interests include the Dual Eligible health plan member, the impact of the Affordable Care Act on healthcare delivery and outcomes, and how social, behavioral and genetic factors interact to impact the health of individuals and populations.

Prior to joining Inovalon, he was Vice President of Research and Outcomes for Cetus Group, a contract research organization serving the pharmaceutical and medical device industries. He received his Ph.D. in Psychology from the University of Chicago with concentration in Epidemiology, Statistical Analysis, Research Methods and Psychometrics.





J. Leonard Lichtenfeld, MD, MACP

Is Cancer Treatment a Stalking Horse for the Future of Health Care

Dr. Lichtenfeld will become Chief Medical and Scientific Officer for the American Cancer Society on November 3, 2018. In his new role he will have oversight responsibility for the Society's epidemiologic, behavioral and statistical research activities, external grants, medical affairs, and relevant constituent relationships. He joined the Society in 2001 as a medical editor, and in 2002 assumed responsibility for managing the Society's newly created Cancer Control Science Department. In 2014, Dr. Lichtenfeld entered his current role as Deputy Chief Medical Officer where he has provided extensive support to a number of Society activities.

A frequent spokesperson in the media on behalf of the American Cancer Society, Dr. Lichtenfeld has also since 2005 written a widely read blog focused on topics related to cancer. He is board certified in medical oncology and internal medicine, and practiced for over 19 years. He has also been engaged in health care policy and numerous medical professional organizations on a local, state, and national level for most of his professional career.

Dr. Lichtenfeld is a graduate of the University of Pennsylvania and Hahnemann Medical College (now Drexel University College of Medicine) in Philadelphia and completed his postgraduate training at Temple University Hospital, Johns Hopkins University School of Medicine and the National Cancer Institute. He is a member of Alpha Omega Alpha, the national honor medical society and has received several awards including designation as a Master in the American College of Physicians in recognition of his professional accomplishments. Dr. Lichtenfeld currently resides with his wife in Atlanta, GA.



Breanna Popelar, PharmD, MS

New Research Findings: Anticipating Disruptors in Health Care Trends

Brenna Popelar currently is an Assistant Director on the Strategic Market Access

and Insights team at Xcenda. Her work in this role spans a variety of projects including value proposition development, market access strategy, and payer market research. Dr. Popelar also has expertise in Global Health Economics and Outcomes Research (GHEOR) including staffing solutions engagements and GHEOR strategy. She is passionate about evidence-driven healthcare and utilizes her clinical knowledge and economic background to drive access and inform decisions in an increasingly complex market.

Prior to joining Xcenda in 2013, Dr. Popelar's experiences included working at Coventry Health Care, the Los Angeles County Department of Health Services, a comprehensive cancer center, and a major integrated health care delivery system.

Dr. Popelar earned her Doctor of Pharmacy degree from the University of Southern California and her Bachelor of Science degree in Applied Economics and Biochemistry from the University of the Pacific. She also completed a 2-year fellowship in Health Outcomes and Managed Markets at Xcenda and holds a Master of Science degree in Applied Pharmacoeconomics from the University of Florida.



Matthew Sarnes, PharmD

New Research Findings: Anticipating Disruptors in Health Care Trends

Matt Sarnes, PharmD, is Senior Vice President of New Business Development

& Strategy at Xcenda which focuses on helping manufacturers develop innovative strategies and tactics to overcome barriers to product access.

Dr. Sarnes has consulted for numerous manufacturers, managed care organizations, and health systems, and has led the commercialization strategy for both new and in-line products across several therapeutic areas. That therapeutic experience includes cardiovascular, diabetes, infectious

disease, multiple sclerosis, oncology (colorectal cancer, lung cancer, prostate cancer, and various hematologic disorders), orphan diseases, and rheumatology.

Dr. Sarnes' expertise is founded on more than 15 years of experience across several disciplines, including market access, health economics, reimbursement, quality improvement, marketing, and distribution strategy. He has authored more than 50 scientific publications and book chapters on healthcare technology valuation. Most recently, he has contributed to articles in such industry publications as PharmaVOICE and Chain Drug Review. In addition, he has presented at numerous healthcare conferences, including the Academy of Managed Care Pharmacy's Educational Forum, Asembia's Specialty Pharmacy Summit, and the American College of Clinical Pharmacy.

Dr. Sarnes received his Doctor of Pharmacy from the University of Pittsburgh. He received his post-doctoral training in Ambulatory Care and Outcomes Research from Healthcore, Inc. and the Philadelphia College of Pharmacy at the University of the Sciences in Philadelphia.



Kevin B. Sneed, Pharm.D.

The Practice of Pharmacy in the Future

Dr. Sneed is a tenured Professor and the founding Dean of the University of

South Florida College of Pharmacy. He also serves a a Senior Associate Vice-President for USF Health. His educational background includes a Bachelor of Science Degree in Biology with a concentration in Microbiology from the University of Central Florida. Dr. Sneed received his Doctor of Pharmacy Degree from Xavier University of Louisiana College of Pharmacy, where he received numerous clinical and leadership awards. He completed an Ambulatory Care Pharmacy Practice Specialty Residency at Bay Pines Veteran's Administration Medical Center.

Dr. Sneed's research and clinical interests include the advanced pharmacological treatment of patients with Cardio-Metabolic Disorders, and examining Health Care Disparities. He is a national lecturer on both topics. Recent research interests include reviewing the causes of Statin-Induced Myalgias, and possible contributing pharmacogenomic factors. He is a Co-Director of the Community Outreach and Engagement Core (CEOC) in the Center for Equal Health, a Center of Excellence granted partnership between USF Health and the Moffitt Cancer Center. He is very active in community healthcare initiatives. He directed an innovative community initiative known as IN-SHAPE (Inter-professional Student Health Assessment Project and Evaluation), which addressed cardiovascular disparities in African-American and Hispanic communities in Tampa, FL. Dr. Sneed is also very engaged in emerging health technologies, and created USF Health Pharmacy Plus, which he touts as "The Pharmacy of the Future!" He has published numerous articles in peer-reviewed journals, book chapters, abstracts, poster presentations, and has participated in multiple grant projects and clinical trials.

Additionally, Dr. Sneed serves on the Area Health Education Center- USF (Gulfcoast North), Board of Directors; Area Health Education Center (AHEC) - University of South Florida, Board of Directors; USF Nanomedicine Research Center (UNRC) Board of Directors; Hillsborough County Sickle Cell Association, Board of Directors; is the immediate past Chairman of the Cultural Health Initiatives Committee for the American Heart Association- Greater Southeast Affiliate- Board of Directors; and past Humana Corporation, HumanaCARES Division National Board of Advisors member. He also participates in many community endeavors on an annual basis, most notably the Florida Cancer Education Network Men's Health Forum in Tampa, FL. Dr. Sneed is very active in national and state organizations, among which include NPHA, ASHP, AACP, FPA, FSHP, and Kappa Alpha Psi Fraternity,



Kathleen Stillo, MBA

Addressing the Social Factors of Health is Good Medicine

Kathleen Stillo is the Vice President of Business Operations for the Clinical

Redesign team at UnitedHealthcare within the Medicaid line of business. This team includes myConnections,[™] which is UnitedHealthcare's program to help low-income individuals and families access essential social services that are the gateway to better health, and TeamMD, an innovative homebased care program.

Kathy leads Clinical Innovation, Operational Excellence, Data Innovation & IT infrastructure, Strategic Business Planning, and Finance. Her team is focused on designing and implementing innovative care delivery models which incorporate social determinants of health, for better care at lower cost for our most vulnerable populations.

Prior to joining UnitedHealthcare, Kathy co-led the Adult Health and Urban Health Institutes at Cooper Hospital in Camden, NJ. Adult Health is a \$265M business unit serving 365k patient visits/year across primary care, behavioral health, and medical specialties. The Urban Health Institute, a \$6M business unit dedicated to medically and socially vulnerable populations, develops innovative care delivery models including addiction clinics, nurse-led protocols, an Ambulatory ICU, and complex care services which has resulted in a 58% decrease in deficit. Kathy previously led strategic consulting teams for Bristol-Myers Squibb and Reuters. While in Camden, she was a member of the Board of Directors of the Camden Coalition of Healthcare Providers.

Kathy earned her B.A. from Bowdoin College and M.B.A from Columbia Business School.



Reed V. Tuckson, MD, FACP

KEYNOTE The Changing Health Care Landscape – Realizing Comprehensive, Multidisciplinary, and Integrated Health

Reed V. Tuckson currently is Managing Director of Tuckson Health Connections, LLC, a vehicle to advance initiatives that support optimal health and wellbeing through the intersection of individual and community health promotion and disease prevention; applied data and analytics; enhanced quality and efficiency in care delivery; and the application of telehealth and biotech innovations. Previously, he enjoyed a long tenure as Executive Vice President and Chief of Medical Affairs for UnitedHealth Group, a Fortune 20 health and wellbeing company, which includes the nation's largest health insurer and the industry's most comprehensive health services company.

A recognized leader in his field, Dr. Tuckson has been appointed to leadership roles at the National Institutes of Health; National Academy of Medicine; numerous Federal Advisory Committees; and Academic Boards. At the National Institutes of Health, he currently serves on the Clinical Center Research Hospital Board and previous service includes his appointment to the National Advisory Council for Complementary and Integrative Health; the Advisory Committee to the Director of the National Institutes of Health and Co-Chair of the Advisory Committee to the Director's Working Group on Diversity. Dr. Tuckson is an elected member of the National Academies of Sciences, Engineering, and Medicine, currently serving in leadership positions on the Health Sciences Policy Board; the Leadership Consortium for a Value & Science-Driven Health System; Co-Chair of the Digital Learning Collaborative; and a member of the Artificial Intelligence/Machine Learning Working Group and their Business Action Collaborative. Previous leadership roles include a member of the Committee on Ensuring Patient Access to Affordable Drug Therapies; the Forum on Medical and Public Health Preparedness for Catastrophic Events; and the Committee on the Consequence of Uninsurance.

Currently, Dr. Tuckson serves, among others on the Board of Trustees at Howard University and chairs its Health Sciences Committee; the Board of Directors of LifePoint Health, a leading hospital company, Cell Therapeutics, Inc., a public corporation concerned with the development of cancer pharmaceuticals; and Inform Genomics, Inc., a private company focused on developing novel platforms of genomic-based personalized medicine products for cancer supportive care.

Dr. Tuckson is a former President and Board Member of the American Telemedicine Association and is the author of "The Doctor in the Mirror", an ongoing book and online senior patient activation and education project. He has been recognized several times by Modern Healthcare Magazine within its listing of the "50 Most Powerful Physician Executives" in healthcare and by *Black Enterprise Magazine* as one of the "Most Powerful Executives in Corporate America".

He is a graduate of Howard University, Georgetown University School of Medicine, and the Hospital of the University of Pennsylvania's General Internal Medicine Residency and Fellowship Programs, where he was also a Robert Wood Johnson Foundation Clinical Scholar studying at the Wharton School of Business.



F. Randy Vogenberg, RPh

Employers, Benefit Creativity, and Disruptive Factors

Dr. Vogenberg is principal of the Institute for Integrated Healthcare (IIH),

Greenville, SC - formerly in Providence, RI and Boston, MA.

At his firm, he and his associates from the business, clinical, and scientific communities focus on employee benefits, care delivery and outcomes research, education, and strategic benefit consulting on medical-legal, clinical or economic issues in commercial health care. Efforts for self-funded employers or business coalitions on health include innovative contracting, compliance, and holistic care cost management to drive high performing plans.

His prior posts include Senior Vice President, Aon Consulting North America, Assistant Professor in Health Management at MCPHS University, Ancillary Services Consultant Pharmacist for DHHS-HRSA/John Snow, Inc., among other clinical or business positions in managed oversight of health care delivery. Dr. Vogenberg determined, designed or developed higher efficiency and performing health services across the U.S.

He currently serves as Co-Leader, National Employer Biologics & Specialty Initiative with the Midwest Business Group on Health, IL; Fellow of the Foundation for HealthSmart Consumers, NJ; Co-Founder, National Institute for Collaborative Healthcare, SC; and Board Chair for the Employer-Provider Interface Council of the Hospital Quality Foundation, NJ/PA.

His work on employer benefits and care delivery issues has produced a number of books, papers and presentations in peer-reviewed and non-peer reviewed venues.

Dr. Vogenberg has also published or presented widely on clinical effectiveness, real-world economic outcomes, law, policy and regulation, organizational and patient behavior, continuum of care concepts, and insurance innovation. He continues to be the subject of articles and insight interviews about market changes or innovation



About AMCP Foundation

The AMCP Foundation advances collective knowledge on major issues associated with the practice of pharmacy in managed health care, including its impact on patient outcomes. Other Foundation programs that facilitate the application of medication-related research include the *Trends in Health Care* series and Best Poster competitions. The Foundation cultivates future leaders in the field through immersive experiences for student pharmacists, like our National P&T Competition. The Foundation was established in 1990 as a 501(c)3 nonprofit organization, and is the philanthropic arm of the Academy of Managed Care Pharmacy (AMCP).

About AMCP

The Academy of Managed Care Pharmacy is the nation's leading professional association dedicated to increasing patient access to affordable medicines, improving health outcomes and ensuring the wise use of health care dollars. Through evidence- and value-based strategies and practices, the Academy's 8,000 pharmacists, physicians, nurses and other practitioners manage medication therapies for the 300 million Americans served by health plans, pharmacy benefit management firms, emerging care models and government. www.amcp.org.

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ΙΙΝΠΛ

SAVE THE DATE and start training!

> **The AMCP Foundation's** next race, walk and sleep-in will be held during the **AMCP Managed Care & Specialty Pharmacy Annual Meeting** in San Diego, March 27, 2019!

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