

易榕
经济学博士
Rong Yi, PhD

217 Bonad Road, Chestnut Hill, MA 02467
Email: rongyi2004@gmail.com
Phone: +1 (781) 462-8099

Summary

I have significant experience and reputation in the health analytics field. In the past twenty years I have developed and expanded analytics consulting business for the organizations I have led client engagements, managed staff, designed and implemented tools, methodologies and products for various clients, and some of which have become industry standards or even made into state and federal rules. Specifically, I have been a major contributor to risk adjustment and predictive modeling methodologies and systems in wide use today.

I work with clients in public programs, private payers, Medicaid managed care, state health insurance exchanges, professional organizations, trade associations, healthcare systems, and academic institutions. I also consult to clients in other parts of the world in the areas of big data, predictive modeling, population health, insurance market reform and payment reforms.

I am a frequent speaker at professional conferences and have published in peer-reviewed journals.

Employment History

Principal, Greater China Health Analytic Practice, **Milliman, Inc.**, 10/2018 to present

- Practice Leader. Current responsibilities include developing actuarial and analytic consulting business for the greater China market, marketing, networking and branding at industry conferences and events, consulting to local and global health insurers and government payers on health insurance growth strategies, and deploying Milliman's expertise, tools and products where applicable
- Manage a global team of actuaries, actuarial analysts, clinicians, clinical analysts, data scientists, and software specialists to complete client projects

Principal and Healthcare Management Consultant, **Milliman Inc.**, New York Health Practice 9/2009 to 10/2018

- One of 7 principals/leaders of a large consulting practice. Responsibilities included developing actuarial and analytic consulting business for the US healthcare market, marketing and branding, leading and overseeing client engagements

- Managed and mentored staff, conducted performance reviews

Vice President of Consulting, Verisk Health (now Cotiviti) – 2001-2009

- Head of consulting unit. Responsibilities included developing consulting business, especially in the areas of risk adjustment and predictive modeling, both domestically and internationally
- Managed a team of data analysts, clinical experts, and software specialists

Significant Career Experience

Population Health

- Consultant to accountable care organizations and provider systems participating in the Medicare Shared Savings Program (MSSP), state Medicaid and commercial risk-based contracts.
- Evaluate payment contracts, develop financial projections, and identify care management opportunities
- Identify diagnosis coding opportunities for revenue improvement
- Advise clients on policy impact
- Work with clients to establish the data analytics platform and processes to support population health and value-based programs
- Provide education and training on data quality as it relates to program payment, and develop analytics and processes to optimize payment

Federal and State Market Reform

- Led the feasibility study, methodology design, federal certification, implementation, operationalization and funds settlement of the Massachusetts risk adjustment program for the Massachusetts Health Connector, as required by the Affordable Care Act. Established program rules and regulations to ensure program integrity, drafted state payment notices and technical details, and worked with health insurers, state and federal agencies and other stakeholders in the process
- Led the Minnesota Department of Health (MDH) on a state legislative study on state-based risk adjustment program feasibility (<http://www.health.state.mn.us/divs/hpsc/hep/riskadjustment/>), the use of the Minnesota APCD for rate reviews, and a study of the Minnesota high risk pool before and after the implementation of the ACA. Conducted policy and background research, developed cost and utilization models and risk adjustment methodologies and simulations to estimate market outcomes under alternative market reform policies

- Consultant to state agencies on waiver programs for insurance coverage expansions to special populations

Actuarial and Analytic Consulting to Commercial Payers

- Consultant to health plans on analytic strategies and support staff training and internal coordination at client organizations
- Consultant to payers to implement and operationalize healthcare analytic tools and methodologies for analyzing healthcare cost and utilization, provider profiling and network performance, identifying areas of low-value care and inefficiencies, predicting enrollment relapses, and improving preventive services and quality of care, etc.
- Consultant to health plans and health insurance trade associations on policy issues relating to federal and state risk mitigation programs; worked clients in direct conversations with government authorities and other stakeholders
- Consultant to health plans on risk adjustment payments and receipts in annual premium rate development
- Support diagnosis coding improvement efforts and strategies; developed tools and analytics to help client organizations identify gaps in data; provide training and work with client to improve internal processes

International

- Advise health insurance clients in China on big data and predictive analytics business strategies, developing advanced actuarial underwriting, pricing and product design capabilities using data from social health insurance, commercial health insurance and wearable/mobile lifestyle information.
- Led a predictive modeling project for the Health Authority of Abu Dhabi to develop health risk assessment tools and predictive models that use lifestyle information and standard healthcare claims to predict disease progression and life expectancy
- Led the adoption of claim-based risk adjustment for the German healthcare system. The system is used in Germany's physician payment allocation

Methodologies and Tools Development

- Developed custom predictive models and analytic tools using claims and social determinants of health data, for specific business cases, outcomes, and disease cohorts
- Developed risk adjustment and predictive models and methodologies that have been widely used in the industry for commercial payers, state Medicaid programs, episode payments, value-based contracts and population health programs

- Developed tools and algorithms to identify diagnosis coding opportunities for revenue improvement
- Developed predictive analytics for the largest workers compensation carriers and captives to do early identification of cases that may incur high cost using medical and text analytics

Affiliations

- Member, International Health Economics Association
- Member and Volunteer Reviewer, International Society for Pharmacoeconomics and Outcomes Research
- Reviewer, The Agency for Healthcare Quality and Research (AHRQ), Health Systems and Value Research
- Volunteer, The Society of Actuaries
- Visiting Research Fellow, China Health Economics Institute

Education

- Ph.D. in Economics – Boston University
- Bachelor of Science, Peking University, Beijing, China

Selected Publications

- *How to Equalise Risk in Healthcare Systems*. Milliman Insight, March 2020 (<https://us.milliman.com/en/insight/how-to-equalise-risk-in-healthcare-systems>)
- *China's Commercial Health Insurance Market*. Asian Insurance Review, March 2020 (<https://www.asiainsurancereview.com/Magazine/ReadMagazineArticle/aid/41884/SharedCode/0A5C27/China-s-commercial-health-insurance-market/1>)
- The Role of Health Insurance Exchange in China's Health Insurance Market, Milliman Insight, March 2019 (<https://us.milliman.com/en/insight/chinahie>)
- *EHB, MLR, and risk adjustment: Stakeholder considerations on the 2019 proposed Notice of Benefit and Payment Parameters*, Milliman Insight, January 2018 (<http://us.milliman.com/insight/2018/EHB--MLR--and-risk-adjustment-Stakeholder-considerations-on-the-2019-proposed-Notice-of-Benefit-and-Payment-Parameters/>)
- *Provider coding accuracy in commercial value-based contracts*, Milliman Insight, October 2017 (<http://us.milliman.com/insight/2017/Provider-coding-accuracy-in-commercial-value-based-contracts/>)

- *Pairing Risk Adjustment to Support State 1332 Waiver Activities*, Milliman Insight, August 2017 (<http://www.milliman.com/insight/2017/Pairing-risk-adjustment-to-support-state-1332-waiver-activities/>)
- *State-Based Risk Adjustment Feasibility Analysis, Report to the Minnesota State Legislature*, October, 2016 (<http://www.health.state.mn.us/divs/hpsc/hep/publications/legislative/raLegislativeRpt2016.pdf>)
- *What kind of risk adjustment systems are necessary for health insurance exchanges?* Healthcare Reform Magazine, January, 2014 (<http://www.healthcarereformmagazine.com/exchanges/what-kind-of-risk-adjustment-systems/>)
- *Evaluating ACO Efficiency: Risk Adjustment Within Episodes*, Society of Actuaries Research Paper, December, 2013 (<https://www.soa.org/Files/Research/Projects/research-2013-eval-aco-risk-report.pdf>)
- *Risk adjustment for pediatric populations*, Milliman Insight, November 2013 (<http://www.milliman.com/uploadedFiles/insight/2013/risk-adjustment-for-pediatric-populations-healthcare-reform-bulletin.pdf>)

Selected Presentations

- “COVID-19’s Impact on Global Health Insurance Market”, November, 2020, Hong Kong Actuarial Association Annual Summit
- “Financing Health Care – Searching for Solutions”, September, 2020, The Economist
- “Quantification of Health Risks”, June, 2019, Taipei, Taiwan Actuarial Society event
- “Core Actuarial and Analytic Competencies for Building a Successful Commercial Health Insurance Business”, June, 2019, Guiyang, Society of Actuaries China Chapter Annual Conference 2019
- “Low Value Health Care”, July, 2018, China Health Insurance Innovations Summit
- “Big Data in Health Insurance and Healthcare Management”, January, 2018, China Banking and Insurance Regulatory Commission Forum
- “Provider Coding Accuracy in Commercial Risk Contracts”, December, 2017, MCOL Health Web Summit

- “*Statewide Risk Adjustment Simulation*”, June, 2017, Massachusetts Division of Insurance
- “*Policy and Analytics Uses of State All-Payer Claims Database*”, October, 2016, Society of Actuaries 2016 Annual Meeting
- “*Strategies and Considerations for Alternative Payment Models*”, June, 2014, American Academy of Dermatology Associations Payment Reform Workgroup Meeting
- “*Massachusetts Risk Adjustment*”, June, 2014, SOA Health Meeting
- “*Risk Adjustment for ACO Efficiency*”, June, 2014, MCOL Predictive Modeling Summit
- “*Risk Adjustment Data in Pricing*”, May, 2014, The Risk Adjustment Forum for Health Plans
- “*Risk Adjustment Practical Applications*”, May, 2014, The Risk Adjustment Forum for Health Plans
- “*Evaluating Efficiency: Risk Adjustment within Episodes of Care*”, April, 2014, SOA webinar