

**KOMODO'S RESEARCH CONSULTING SERVICES**

# Evidence Generation Has Entered a Whole New Realm

With real-world data, artificial intelligence, and the joining of myriad data sources to a closed-claims foundation, you can enrich, expand, and accelerate research like never before. Our Research Consulting team supports real-world evidence (RWE) generation, from study conceptualization to publication.



Insights Gathering



Regulatory Submission



Research Presentations



Predictive Analytics



Payer Coverage



Journal Publications

## OUR RWE RESEARCH EXPERTISE INCLUDES:

- **Epidemiology and Population Health**  
Understand the disease landscape, including population size, projected growth, and patient characteristics. Assess the need for a therapy in a target population and subgroups.
- **Utilization and Clinical Outcomes**  
See how a therapy is being administered in the real world with insights into line of therapy, care setting, provider specialty, and patient diagnosis. Evaluate adherence, persistence — and obstacles to both — as well as therapeutic impact on health outcomes such as overall survival.
- **Economic Evaluation**  
Assess cost-effectiveness of a therapy/procedure to inform evidence-based treatments that drive improved health outcomes or higher intervention values. Examine the use of healthcare services, resources, and costs associated with a disease or disorder in both the near and long terms.
- **Safety Assessment**  
Develop protocols and execute safety studies in response to regulatory requests for post-launch monitoring and surveillance. Profile patient risk factors and estimate outcome incidences to refine and evaluate safety signals.
- **Study Approach/Design**  
Develop observational studies to assess clinical, epidemiological, and economic outcomes. Devise real-world studies for external control arms to overcome clinical-trial recruitment challenges.
- **Predictive Analytics**  
Use artificial intelligence to surface insights not available through traditional sources and strategies. For example, use machine learning to develop an algorithm that can help detect patients with a rare disease or predict treatment success or outcome occurrence.



# Simply Put: Our Expertise

The consultants who comprise our research team were strategically selected to ensure we have both the breadth and depth of experience needed to deliver the most insightful, accurate, and persuasive evidence possible. Our team includes not only researchers, analysts, data scientists, statisticians, and biostatisticians, but also epidemiologists, medical doctors, nurse practitioners, pharmacists, and clinical health informaticists. Team leaders include:



**Jane Huang, PhD, MS**  
**Director of Research Consulting**

Jane brings a wealth of insight to each research project as a result of her work as a research scientist and principal associate on the FDA's Sentinel Initiative for the Harvard Pilgrim Healthcare Institute and Harvard Medical School. She has a PhD and an MS in Pharmaceutical Health Services Research from the University of Maryland and two BS degrees (in Pharmacy and Psychology) from National Taiwan University.



**Ngan Pham, PharmD, MS**  
**Segment Solutions Specialist, HEOR/RWE**

Ngan has nine years of experience in the healthcare industry. Prior to Komodo, Ngan was a Senior Consultant with IQVIA focusing on the RWE/HEOR segment. Ngan graduated with a BS in Molecular Biology and Asian American Studies from the University of Washington, an MS in Health Technology Assessment, Pricing, and Reimbursement from the University of Sheffield, and a PharmD from the University of Washington. He also completed his Postdoctoral Fellowship in Health Economics and Outcomes Research at the University of Maryland.



**Usha Periyannayagam, MD, MPH, MS**  
**Senior Director, Research & Analytics**

Usha's passion for driving better health outcomes is evident across her career, from her experience as an emergency room physician to her leadership in leveraging health data to change behaviors. She has four degrees from Northwestern University: an MD, an MPH in Biostatistics, an MS in Engineering Design and Imputation, and a BS in Biomedical Engineering.



**Yuqin Wei, MS**  
**Director of Research**

Yuqin has significant experience as a data science manager in epidemiology research, having worked on more than 10 publications with the FDA and CMS. Yuqin has two MS degrees, one in Statistics from the University of California at San Diego and one in Computer Science from the Georgia Institute of Technology. He earned a BS in Mathematics from Fudan University.

If you would like to learn more about our services or discuss a research project, please email us at [research@komodohealth.com](mailto:research@komodohealth.com).

