Career Journey

Alan J. M. Brnabic

A 30-Year Progression in Biostatistics, Real-World Evidence & Health Outcomes

1994 – Present

Education

Master of Applied Statistics
Macquarie University

BA Dip Ed — Mathematics & Statistics
Macquarie University

26 Short Courses
NMA, Machine Learning, Pharmacoeconomics, Cost Effectiveness & more

Career Flow



1994 – 2002

Biostatistician / Deputy Director

Health Dept / George Institute / NSW Corrective Services

- Designed & analyzed hospital data, RCTs, observational studies
- Co-authored government reports & guidelines
- Conducted statistical training
- Managed research staff



2002 – 2012

Group Leader / Manager / Biostatistician

Eli Lilly

- Led virtual team across 6 countries
- Expert in observational research (plan, design, analyze, report)
- Led reimbursement submissions (PBAC, HIRA)
- Mentored teams globally



2012 – 2014

Director HEOR Asia Pacific

Optum Insight

- Led HEOR Asia Pacific business
- Managed 6+ senior staff
- Strategic direction for BD & operations
- Led late phase projects & stats training



2014 – Present

Director Statistics RWA Capabilities

Eli Lilly

- Global role: Immunology, Diabetes, Oncology, Neuroscience, RA
- FMA, MAIC, NMA, ML for predictive analytics
- 20+ HTA submissions worldwide
- Lead author on publications; mentored internally & externally

Phase IV RWE — Day-to-Day Activities

Concept & Study Design

- Protocol development
- SAP creation
- Endpoint definition

Statistical Analysis

- Causal inference (IPTW, PS)
- Time-to-event / Cox PH
- Sensitivity analyses

Writing & Publication

- Lead/co-author manuscripts
- Conference abstracts
- Internal study reports

Presentations

- Internal governance reviews
- External conferences
- NMA teaching with UMIT University
- Training (RWA, NMA)

Academic Collaborations

- ML/MNR with D. Phillipo, Bristol Uni
- Statistical & medical partnerships
- Co-authored publications

Tool Development & Building

- ML Comparative Effectiveness
- Automatic Manuscript Reviewer
- FMA / bias adjustment tools

HTA Submissions — 20+ worldwide submissions supporting reimbursement decisions across all therapeutic areas