

## SPEAKERS PROFILE



**Keerti Singh**  
**Apollo Munich Health Insurance Co. Ltd.**

Keerti has done her Masters in Pure Mathematics and Post-Graduation in Actuarial Science. She is associated with Apollo Munich for more than 5 years now. She has played an instrumental role in setting up actuarial function in Apollo Munich since inception of the company. She is responsible for product pricing, portfolio monitoring, regulatory reporting, risk modelling, etc. Before joining Apollo Munich she has worked for Genpact LLC where she was responsible for providing actuarial support to one on the largest reinsurers. She is pursuing her actuarial studies from IAI. Application of Stochastic Modelling Techniques in health insurance domain is one of the areas of great interest to her.

### **Topic: Application of Stochastic Modelling Techniques in Health Insurance**

**Brief on Topic:** The Indian health insurance industry is growing and more data is available now, making us better equipped to make informed business strategies by carrying out more insightful analysis using advance techniques such as Stochastic modelling.

As we know, that the uncertainties associated with health insurance are vast compared to any other insurance. These include the medical cost inflation, breakout of new diseases, invention of better/new techniques for early diagnosis, matured portfolio behaviour, impact of pandemics and various others. To understand these better and build them into our business decisions, we need to consider variety of possible future scenarios. Stochastic modelling helps us in achieving that by considering the volatility and variability (randomness) into the simulation and therefore provides a better representation of real life from different angles.



**Ms. Raunak Jha**  
**Senior Consultant**  
**Towers Watson**

Raunak has close to nine years of non-life insurance experience in areas like reserving, pricing, product designing, regulatory reporting and experience analysis. Having worked in different roles with leading Non-life insurance companies in India in Marketing, Underwriting and Actuarial functions, she has a widespread understanding of the industry. She is currently working as a Senior Consultant with Towers Watson and is playing an instrumental role in developing organization's Health Actuarial Consultancy practice in India.

**Topic:** This is planned to be **interactive information sessions cum workshop** on data analytic and unleashing how we (the actuarial fraternity) could help Senior Management in making better informed business decisions in line with its long term vision.



**Joanne Buckle**  
**Principal, Consulting Actuary,**  
**Milliman**

Joanne is the lead consultant in the Milliman London Healthcare practice. She has been at Milliman since 2001, including 18 months in the New York City office.

Joanne's experience includes traditional actuarial work, such as: Product design and pricing for new start-up health insurance companies; Rating, reserving and reinsurance analysis for US, UK, and other European healthcare insurers

Provider reimbursement analysis; Mergers and acquisitions. She has also participated in projects involving wider applications of actuarial techniques for European, Middle Eastern and US healthcare organisations

Joanne has been involved in several government and public healthcare projects, including developing cost-benefit models for regulating healthcare professionals, medical management operational reviews and analysis to determine the appropriateness of local budgets for healthcare. While in the US, she was involved in several assignments for healthcare providers, including analyses of reimbursement structures and assessment of the adequacy of capitation arrangements.

Joanne has carried out research into the cost-effectiveness of disease management programs for major depression in the UK and the costs of alternative methods of providing care for the elderly in the US. She completed a Post-Graduate Diploma in Health Economics for Healthcare Professionals at York University by distance learning in 2007. She is a regular speaker at industry events.

**Topic:** Value Actuaries Add in Healthcare