

Jill Van Den Bos

ASA, MAAA, MA
Principal and Consulting Actuary



CURRENT RESPONSIBILITY

Jill is a principal in the Denver Health practice at Milliman. She joined the firm in 1992.

EXPERIENCE

Jill has consulted on healthcare risk arrangements, pricing, and rate filings. She has advised health plans, providers, and employers. She has been a member of two Milliman task forces to study the impact of healthcare reform.

Recent work has been with new risk takers in the ACA era. Relevant experience includes support of new market entrants with the creation of long-term proforma projections, plan design, membership projections, complex ACA-compliant pricing and filing, and calculation of Risk-Based Capital (RBC).

Jill has brought an actuarial perspective to the field of pharmacoeconomics. This work involves collaborative research, including compliance analysis, dosing studies, predictive modeling, and the impact of benefit design. She brings together producers and users of this research, and speaks and writes on the subject.

Jill's work in long-term care insurance includes pricing, product development, valuations, filings, and large group offerings. She co-authored the book True Group Long-Term Care, presenting methods for employers to offer long-term care coverage using insights from other true group benefits such as pension.

Previously, Jill worked on a research team at the University of Colorado at Boulder.

AWARDS

- Second Place Award, 2010, SOA essay contest on provider payment reform for essay titled "Providers: Reorganize and Refinance"
- CDC Charles C. Shepard Award, 2009, for paper titled "Cost effectiveness of community-based physical activity interventions."

SELECT PRESENTATIONS AND PUBLICATIONS

- Page RL, Ghushchyan V, Van Den Bos J, Gray TJ, Hoetzer GL, Bhandary D, Nair KV. (2016) the cost of inpatient death associated with acute coronary syndrome. *Vascular Health and Risk Management*; Feb;12 13–21.
- B.N. Cochran, A. Flentje, N.C. Heck, J. Van Den Bos, D.J. Perlman, J. Torres, R. Valuck, J. Carter. (2014) Factors predicting development of opioid use disorders among individuals who receive an initial opioid prescription: Mathematical modeling using a database of commercially-insured individuals. *Drug and Alcohol Dependence*; May;138: 202-208.J.A
- Pesa, J. Van Den Bos, T.J. Gray, C.A. Hartsig, R.B. McQueen, J. J. Saseen, K.V. Nair. (2012). An evaluation of the impact of patient cost sharing for antihypertensive medications on adherence, medication and health care utilization, and expenditures. *Patient Preference and Adherence*; 2012(6): 63-72.
- K.V. Nair, B. Tang, A.B. Naim, K. Draaghtel, J. Van Den Bos. (2011). Work Absences and Expenditures for Employees with Rheumatoid Arthritis Treated with Anti-Tumor Necrosis Factor Agents. *Journal of Health & Productivity*; 5(2): 13-21.
- Van Den Bos, J., Rustagi, K., Gray, T., Halford, M., Ziemkiewicz, E., Shreve, J.L. (2011). The \$17.1 billion problem: The annual cost of measurable medical errors. *Health Affairs*; 30(4): 596-603.
- Malone DC, Waters HC, Van Den Bos J, Popp J, Draaghtel K, Rahman MI. (2010). A claims-based Markov model for Crohn's disease. *Alimentary Pharmacology & Therapeutics*; 32: 448–458.

AFFILIATIONS

- Society of Actuaries
- American Academy of Actuaries

EDUCATION

- B.A. (cum laude), psychology with honors, Davidson College 1985
- M.A., Experimental Social Psychology, University of California at Los Angeles 1987

