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## **“Making Accurate Exposure Risk Decisions” Free Eight-Hour AIHA Webinar**

# **Useful References**

### **Books – Exposure Assessment Strategies**

*A Strategy for Assessing and Managing Occupational Exposures*. 4th Ed. AIHA Press. 2015.

### **Bayesian Analysis Applied to Exposure Data**

Hewett, P., Logan, P., Mulhausen, J., Ramachandran, G., and Banerjee, S.: “Rating Exposure Control using Bayesian Decision Analysis”, *Journal of Occupational and Environmental Hygiene*, 3: 568–581, 2006

Jérôme Lavoué, Lawrence Joseph, Peter Knott, Hugh Davies, France Labrèche, Frédéric Clerc, Gautier Mater, Tracy Kirkham, “Expostats: A Bayesian Toolkit to Aid the Interpretation of Occupational Exposure Measurements”, *Annals of Work Exposures and Health*, Volume 63, Issue 3, April 2019, Pages 267–279

### **Improving Exposure Decision Accuracy**

Logan P., G. Ramachandran, J. Mulhausen, S. Banerjee, and P. Hewett: “Desktop Study of Occupational Exposure Judgments: Do Education and Experience Influence Accuracy?” *Journal of Occupational and Environmental Hygiene*, 8: 12, 746-758, 2011.

Logan P., G. Ramachandran, J. Mulhausen, and P. Hewett: “Occupational Exposure Decisions: Can Limited Data Interpretation Training Help Improve Accuracy?” *Annals of Occupational Hygiene*, Vol. 53, No. 4, pp. 311–324, 2009.

Vadali, M. G. Ramachandran, J. Mulhausen, S. Banerjee: “Effect of Training on Exposure Judgment Accuracy of Industrial Hygienists”. *Journal of Occupational & Environmental Hygiene*. 9: 242–256, 2012.

Arnold S., M. Stenzel, D. Drolet, G. Ramachandran: *Journal of Occupational and Environmental Hygiene*, 13: 159-168, 2016



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## Censored Data Analysis

**Hewett, P.:** Appendix VIII: Analysis of Censored Data. *A Strategy for Assessing and Managing Occupational Exposures*. 4th Ed. AIHA Press. 2015.

**Hewett, P., and G. Ganer:** "A Comparison of Several Methods for Analyzing Censored Data". *Ann. Occup. Hyg.*, Vol. 51, No. 7, pp. 611–632, 2007

**Ganser, G. and P. Hewett:** "An Accurate Substitution Method for Analyzing Censored Data". *Journal of Occupational and Environmental Hygiene*, 7:4, 233-244, 2010.

**Huynh, Tran, Harrison Quick, Gurumurthy Ramachandran, Sudipto Banerjee, Mark Stenzel, Dale P Sandler, Lawrence S Engel, Richard K Kwok, Aaron Blair, and Patricia A Stewart:** "A Comparison of the  $\beta$ -Substitution Method and a Bayesian Method for Analyzing Left-Censored Data." *The Annals of Occupational Hygiene* 60, no. 1 (January 2016): 56–73.

**Helsel, D.:** *Non Detects and Data Analysis - Statistics for Censored Environmental Data*. Hoboken, NJ: John Wiley & Sons, Inc., 2005.

**Helsel, Dennis R.:** *Statistics for Censored Environmental Data Using Minitab and R (CourseSmart)*. Wiley, 2012.