



[Julie.Goodman@gradientcorp.com](mailto:Julie.Goodman@gradientcorp.com)

(617) 395-5525

## Julie E. Goodman, Ph.D., DABT, FACE, ATS

### Principal

Dr. Goodman is an epidemiologist and board-certified toxicologist with over 20 years of experience. She applies her multidisciplinary expertise to evaluate human health risks associated with chemical exposures in a variety of contexts, including products, foods, and medical applications. She also assesses risks associated with occupational and environmental exposures. Dr. Goodman is a fellow of both the American College of Epidemiology and the Academy of Toxicological Sciences. She was also an adjunct faculty member in the Department of Epidemiology at the Harvard T. H. Chan School of Public Health, where she taught a class on meta-analysis for several years. Before joining Gradient, she was a Cancer Prevention Fellow at the National Cancer Institute. Dr. Goodman has authored numerous original peer-reviewed research articles, review articles (including systematic reviews and meta-analyses), and book chapters on a wide variety of chemicals and health outcomes. She has presented her work to a wide variety of audiences.

### Areas of Expertise

- Epidemiology
- Toxicology
- Exposure
- Risk Assessment
- Systematic Review
- Product Safety

### Services

- Toxicology & Risk Sciences
- Exposure & Risk Assessment
- Epidemiology
- Air Quality Sciences
- Product Safety Assessment
- Product Liability
- Food & Beverages
- Food Packaging
- Medical Product Liability

### Education

- Ph.D., Toxicology, Johns Hopkins University
- Sc.M., Epidemiology, Johns Hopkins University
- S.B., Environmental Engineering, Massachusetts Institute of Technology
- Diplomate of the American Board of Toxicology
- Fellow of the American College of Epidemiology (FACE)
- Fellow of the Academy of Toxicological Sciences (ATS)

### Selected Projects

**Cancer Cluster Analysis:** Investigated whether there was a cancer cluster in residents living near a municipal landfill. Communicated findings to city officials and residents at public meetings.

**Epidemiology Analysis:** Using hospital discharge and air monitoring data, conducted statistical analyses to determine the associations between air pollutants and pediatric asthma hospital admissions.

**Regulatory Comment:** Provided written and oral comments to several agencies and organizations (e.g., US EPA, National Toxicology Program) on clinical, epidemiology, toxicity, and mode-of-action studies and their bearing on regulations for pesticides, air pollutants, and other chemicals.

**Post-market Safety Assessment:** Evaluated whether on-label use of a pharmaceutical increased cardiovascular disease risk based on a systematic review of randomized, controlled trials and observational epidemiology studies.

**Product Safety Analysis:** Designed and oversaw laboratory studies to determine possible exposures and subsequent toxicity of a chemical in a toy, considering several routes of exposure.

**Systematic Review and Meta-analysis:** Conducted a systematic review and meta-analyses of 2,4-dichlorophenoxyacetic acid (2,4-D), a herbicide, and non-Hodgkin lymphoma (NHL), gastric cancer, and prostate cancer.

**Medical Device Safety Assessment:** Evaluated the potential health risks of saline-filled breast implants based on a review of the peer-reviewed literature and pre- and post-market studies of silicone- and saline-filled breast implants.

### Selected Publications

**Goodman, JE;** Anneser, EG; Khandaker, A; Boon, DN. 2023. "The role of study quality in aspartame and cancer epidemiology study reviews." *Glob. Epidemiol.* 100110. doi: 10.1016/j.gloepi.2023.100110.

**Goodman, JE;** Mayfield, DB; Becker, RA; Hartigan, SB; Erraguntla, NK. 2020. "Recommendations for further revisions to improve the International Agency for Research on Cancer (IARC) Monograph Program." *Regul. Toxicol. Pharmacol.* 113:104639. doi: 10.1016/j.yrtph.2020.104639.

**Goodman, JE;** Prueitt, RL; Harbison, RD; Johnson, GT. 2020. "Systematically evaluating and integrating evidence in National Ambient Air Quality Standards Reviews." *Glob. Epidemiol.* 2:1000019. doi: 10.1016/j.gloepi.2020.100019.

Zu, K; Pizzurro, DM; Lewandowski, TA; **Goodman, JE.** 2017. "Pharmacokinetic data reduce uncertainty in the acceptable daily intake for benzoic acid and its salts." *Regul. Toxicol. Pharmacol.* 89:83-94.