

Jenna Coalson **Scientist**

Professional Profile

Ms. Jenna Coalson is a Scientist in Exponent's Health Sciences Center for Exposure Assessment and Dose Reconstruction. At Exponent, Ms. Coalson has performed various literature searches and reviews on issues relating to asbestos exposure from consumer products, incidence and prevalence of various osseous and blood-related diseases and cancers, and treatment patterns in metastatic breast cancer. She is also working in-house at a large company aiding with death record classification for use in epidemiologic investigations and aiding another company in filing of documentation to update Material Safety Data Sheets. Ms. Coalson has also assisted in quality checking activities and in the preparation of reports, spreadsheets, graphs, and presentation slides.

Prior to joining Exponent, Ms. Coalson attended Stanford University, where her concentration was biological and social aspects of infectious disease. As part of her work during college, Ms. Coalson investigated outbreaks in disease and analyzed and reported various trends in disease data for the San Mateo County Department of Public Health. As part of her work with the Microbiology and Immunology Laboratory at Stanford University, Ms. Coalson tested the behavioral fever response of crickets to *salmonella* infection and evaluated the effect of genetic differences in *Drosophila* fruit flies on the progress of *Listeria* infection. She also performed research on the response of neuronal cells to heart failure using advanced laboratory techniques for the American Physiology Society.

Academic Credentials and Professional Honors

B.A., Human Biology, Stanford University, 2007

Languages

Italian, Spanish

Publications

Schoonen WM, Kucera G, Coalson J, Li L, Rutstein M, Mowat F, Fryzek J, Kaye JA. Epidemiology of immune thrombocytopenic purpura in the General Practice Research Database. *Br J Haematology* 2009; 145(2):235–244.

Project Experience

Asbestos

Provided support on various aspects of asbestos related litigation. Tasks included reviewing case-specific material, performing literature reviews and research on exposure- and epidemiology-related tasks, and assisting in creating presentations and exhibits for use in a courtroom setting.

Compiled and analyzed literature on the relative risk of asbestos-related disease in several professions, including automobile mechanics, ironworkers, and welders.

Examined the epidemiologic relationship between asbestos exposure and various disease endpoints reported in scientific literature, including peritoneal and pleural mesothelioma, liver cancer, kidney cancer, chronic obstructive pulmonary disease, and sarcoidosis.

Epidemiology

Comprehensively reviewed and summarized the literature regarding the incidence and prevalence of several pediatric cancers, especially cancers of bone, and immune thrombocytopenic purpura, a hematologic condition.

Examined chemotherapy treatment patterns among women with metastatic breast cancer.

Assisted in updating a large cohort study to monitor for elevated causes of death in employees of a large energy company.

Exposure

Reviewed and compiled the results of tests on lead in children's toys.