

Study Protocol and Statistical Analysis Plan

Study Title: Impacts of a Report-back Training Program

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Using pre-and post-tests, we evaluated whether a program that trains researchers in report-back, including with hands-on practice in report-preparation using Silent Spring's digital report-back tool, the Digital Exposure Report-Back Interface (DERBI), influences perspectives on the value of report-back, increases the likelihood of adopting report-back, and promotes insights about research results. We recruited investigators into the report-back training program and then evaluated the training program using pre- and post-tests.

We invited individuals who participated in another research aim to participate in workshops. For that aim we surveyed NIH RePORTER to help determine the universe of NIEHS-funded biomonitoring or personal exposure research that does not report-back. We deleted projects that are not human research or that solely involve metals with established clinical reference ranges that trigger report-back requirements. We added investigators from the California Breast Cancer Research Program and those using the Human Health Exposure Analysis Resource (HHEAR) laboratories, which includes some non-NIEHS grantees. We also recruited interviewees from government agencies, including from NIH, CDC, and state biomonitoring programs.

In addition to inviting all senior investigators identified above, we also convened in-person trainings at the International Society for Epidemiology (ISEE) and Partnerships for Environmental Public Health (PEPH) conferences. Individuals could select to participate during conference registration.

The training program included a module on ethical and practical considerations and best practices for report-back (e.g., examples of user-tested graphs and text), followed by a session where researchers gained hands-on practice in report preparation using DERBI. We evaluated differences in pre-and post- scores using paired-sample t-tests.