

Report-Back of Personal Environmental Exposures: A Bibliography

1. Adams, C., P. Brown, R. Morello-Frosch, J.G. Brody, R. Rudel, A. Zota, S. Dunagan, J. Tovar, S. Patton. 2011. Disentangling the Exposure Experience: The Roles of Community Context and Report-back of Environmental Exposure Data. *Journal of Health and Social Behavior*, 52(2):180-196. doi:10.1177/0022146510395593 [Article](#)
2. Altman, R.G., R. Morello-Frosch, J.G. Brody, R. Rudel, P. Brown, M. Averick. 2008. Pollution Comes Home and Gets Personal: Women's Experience of Household Chemical Exposure. *Journal of Health and Social Behavior*, 49(4):417-435. doi:10.1177/002214650804900404. [Article](#)
3. Boronow, K.E., Maruzzo, A., Morello-Frosch, R.A. et al. A personalized tutorial to improve understanding of individual chemical results and opportunities for reducing exposure. *J Expo Sci Environ Epidemiol* (2026). <https://doi.org/10.1038/s41370-026-00840-3>
4. Boronow, K.E. and J.G. Brody. 2025. What do people need to know about endocrine disrupting chemicals and health? A mental models approach using focus groups of community-engaged research teams and a national survey. *BMC Public Health*. doi: 10.1186/s12889-025-25561-4 [Article](#)
5. Boronow, K.E., B. Cohn, L. Havas, M. Plumb, J.G. Brody. 2023. The Effect of Individual or Study-Wide Report-Back on Knowledge, Concern, and Exposure-Reducing Behaviors Related to Endocrine-Disrupting Chemicals. *Environmental Health Perspectives*. 131(9):097005. doi:10.1289/EHP12565
6. Boronow, K.E., H.P. Susmann, K.Z. Gajos, R.A. Rudel, K.C. Arnold, P. Brown, R. Morello-Frosch, L. Havas, J.G. Brody. 2017. DERBI: A Digital Method to Help Researchers Offer "Right-to-Know" Personal Exposure Results. *Environmental Health Perspectives*, 125(2):A27-A33. doi:10.1289/EHP702. [Article](#)
7. Brody, J.G., P.M. Cirillo, K.E. Boronow, L. Havas, M. Plumb, H.P. Susmann, K.Z. Gajos, and B.A. Cohn. 2021. Outcomes from Returning Individual versus Only Study-Wide Biomonitoring Results in an Environmental Exposure Study Using the Digital Exposure Report-Back Interface (DERBI). *Environmental Health Perspectives*. doi.org/10.1289/EHP9072 [Article](#)
8. Brody J.G., P. Brown, R.A. Morello-Frosch (2019). Returning Chemical Exposure Results to Individuals and Communities. In S. Finn & L. O'Fallon (eds), *Environmental Health Literacy* (pp. 135-163). Springer, Cham. doi.org/10.1007/978-3-319-94108-0_6 (first online September 13, 2018) [Book Chapter](#)
9. Brody, J.G., S.C. Dunagan, R. Morello-Frosch, P. Brown, S. Patton, R.A. Rudel. 2014. Reporting individual results for biomonitoring and environmental exposures: lessons learned from environmental communication case studies. *Environmental Health*, 13(40). doi:10.1186/1476-069X-13-40 [Article](#)
10. Brody, J.G., R. Morello-Frosch, A. Zota, P. Brown, C. Perez, R.A. Rudel. 2009. Linking Exposure Assessment Science with Policy Objectives for Environmental Justice and Breast Cancer Advocacy: The Northern California Household Exposure Study. *American Journal of Public Health*, 99 Suppl 3, Suppl 3:S600-S609. doi:10.2105/AJPH.2008.149088 [Article](#)

11. Brody, J.G., R. Morello-Frosch, P. Brown, R.A. Rudel, R.G. Altman, M. Frye, C.A. Osimo, C. Perez, L.M. Seryak. 2007. Improving disclosure and consent: "Is it safe?": New ethics for reporting personal exposures to environmental chemicals. *American Journal of Public Health*, 97(9):1547-1554. doi:10.2105/AJPH.2006.094813. [Article](#)
12. Brown, P., J.G. Brody, R. Morello-Frosch, J. Tovar, A.R. Zota, R.A. Rudel. 2012. Measuring the Success of Community Science: The Northern California Household Exposure Study. *Environmental Health Perspectives*, 120(3):326–331. doi:10.1289/ehp.1103734 [Article](#)
13. Brown, P., R. Morello-Frosch, J.G. Brody, R.G. Altman, R. Rudel, L. Senier, C. Perez, R. Simpson. 2010. Institutional review board challenges related to community-based participatory research on human exposure to environmental toxins: A case study. *Environmental Health*, 9:39. doi:10.1186/1476-069X-9-39 [Article](#)
14. Cardona Cordero NR, Lafarga Previdi I, Torres HR, Ayala I, Boronow KE, Santos Rivera A, Meeker JD, Alshawabkeh A, Cordero JF, Brody JG, Brown P, Vélez Vega CM. Mi PROTECT: A personalized smartphone platform to report back results to participants of a maternal-child and environmental health research cohort program in Puerto Rico. *PLOS Digit Health*. 2023 Jan 18;2(1):e0000172. doi: 10.1371/journal.pdig.0000172. PMID: 36812649; PMCID: PMC9931308.
15. Carrera, J.S., P. Brown, J.G. Brody, R. Morello-Frosch. 2018. Research altruism as motivation for participation in community-centered environmental health research. *Social Science & Medicine*. 196:175-181. doi.org/10.1016/j.socscimed.2017.11.028 [Abstract](#)
16. Dunagan, S.C., J.G. Brody, R. Morello-Frosch, P. Brown, S. Goho, J. Tovar, S. Patton, R. Danford. 2013 When Pollution Is Personal: Handbook for Reporting Results In Biomonitoring and Personal Exposure Studies. Silent Spring Institute. [Study Report](#)
17. Emmett EA, Zhang H, Shofer FS, Rodway N, Desai C, Freeman D, Hufford M. Development and successful application of a "Community-First" communication model for community-based environmental health research. *J Occup Environ Med*. 2009 Feb;51(2):146-56. doi: 10.1097/JOM.0b013e3181965d9b. PMID: 19209035; PMCID: PMC3074972.
18. Emmett EA, Desai C. Community First Communication: Reversing Information Disparities to Achieve Environmental Justice. *Environ Justice*. 2010 Sep 1;3(3):79-84. doi: 10.1089/env.2009.0037. PMID: 21546988; PMCID: PMC3086284.
19. Giannini CM, Herrick RL, Buckholz JM, Daniels AR, Biro FM, Pinney SM. Comprehension and perceptions of study participants upon receiving perfluoroalkyl substance exposure biomarker results. *Int J Hyg Environ Health*. 2018 Aug;221(7):1040-1046. doi: 10.1016/j.ijheh.2018.07.005. Epub 2018 Jul 17. PMID: 30025914; PMCID: PMC6407126.
20. Goho, S. 2016. The Legal Implications of Report-Back in Household Exposure Studies. *Environmental Health Perspectives*, 124(11):1662-1670. doi:10.1289/EHP187. [Article](#)
21. Haynes EN, Elam S, Burns R, Spencer A, Yancey E, Kuhnell P, Alden J, Walton M, Reynolds V, Newman N, Wright RO, Parsons PJ, Praamsma ML, Palmer CD, Dietrich KN. Community Engagement and Data Disclosure in Environmental Health Research. *Environ Health Perspect*. 2016 Feb;124(2):A24-7. doi: 10.1289/ehp.1510411. PMID: 26829152; PMCID: PMC4749085.

22. He, X., Karagas, M. R., & Murray, C. (2018). Impact of receipt of private well arsenic test results on maternal use of contaminated drinking water in a US population. *Science of the total environment*, 643, 1005-1012. <https://doi.org/10.1016/j.scitotenv.2018.06.228>
23. Hernick AD, Brown MK, Pinney SM, Biro FM, Ball KM, Bornschein RL. Sharing unexpected biomarker results with study participants. *Environ Health Perspect*. 2011 Jan;119(1):1-5. doi: 10.1289/ehp.1001988. Epub 2010 Sep 29. PMID: 20876037; PMCID: PMC3018486.
24. Judge, J.M., P. Brown, J.G. Brody, and S. Ryan. 2016. The Exposure Experience: Ohio River Valley Residents Respond to Local Perfluorooctanoic Acid (PFOA) Contamination. *Journal of Health and Social Behavior*, 57(3):333-350. doi:10.1177/0022146516661595. [Article](#)
25. Korfmacher, K.S. and J.G. Brody. 2023. Moving Forward with Reporting Back Individual Environmental Health Research Results. *Environmental Health Perspectives*. 131(12). <https://doi.org/10.1289/EHP12463>
26. Lebow-Skelley E, Yelton S, Janssen B, Erdei E, Pearson MA. Identifying Issues and Priorities in Reporting Back Environmental Health Data. *Int J Environ Res Public Health*. 2020 Sep 16;17(18):6742. doi: 10.3390/ijerph17186742. PMID: 32947900; PMCID: PMC7557638.
27. Morello-Frosch, R., J. Varshavsky, M. Liboiron, P. Brown, J.G. Brody. 2015. Communicating Results in Post-Belmont Era Biomonitoring Studies: Lessons from Genetics and Neuroimaging Research. *Environmental Research*, 136:363-372. doi:10.1016/j.envres.2014.10.001 [Article](#)
28. Morello-Frosch, R., J.G. Brody, P. Brown, R.G. Altman, R. Rudel, C. Perez. 2009. Toxic Ignorance and Right-to-Know in Biomonitoring Results Communication: A Survey of Scientists and Study Participants. *Environmental Health*, 8(6). doi:10.1186/1476-069X-8-6. [Article](#)
29. Morrens B, Jonker H, Den Hond E, Coertjens D, Colles A, Schoeters G, Van Larebeke N, Nawrot T, Covaci A, Nelen V, Vandermoere F, Loots I. Participant Experiences in a Human Biomonitoring Study: Follow-Up Interviews with Participants of the Flemish Environment and Health Study. *Toxics*. 2021 Mar 28;9(4):69. doi: 10.3390/toxics9040069. PMID: 33800558; PMCID: PMC8066005.
30. National Academies of Sciences, Engineering, and Medicine. 2018. *Returning Individual Research Results to Participants: Guidance for a New Research Paradigm*. Washington, DC: The National Academies Press. <https://doi.org/10.17226/25094>.
31. Ohayon, J.L., Rasanayagam, S., Rudel, R.A. *et al*. Translating community-based participatory research into broadscale sociopolitical change: insights from a coalition of women firefighters, scientists, and environmental health advocates. *Environ Health* **22**, 60 (2023). <https://doi.org/10.1186/s12940-023-01005-7>
32. Ohayon, J.L., E. Cousins, P. Brown, R. Morello-Frosch, J.G. Brody. 2017. Researcher and institutional review board perspectives on the benefits and challenges of reporting back biomonitoring and environmental exposure results. *Environmental Research*, 153:140-149. doi:10.1016/j.envres.2016.12.003 [Article](#)
33. Oksas, Catherine, Julia Green Brody, Phil Brown, Katherine E. Boronow, Erin DeMicco, Annemarie Charlesworth, Maribel Juarez, Sarah Geiger, Susan L. Schantz, Tracey J. Woodruff,

Rachel Morello-Frosch. Accepted 2022. Perspectives of peripartum people on opportunities for personal and collective action to reduce exposure to everyday chemicals: Focus groups to inform exposure report-back. *Environmental Research*.

34. Perovich, L.J., P. Cai, A. Guo, K. Zimmerman, K. Paseman, D.E. Silva, J.G. Brody. 2021. Data Clothing and BigBarChart: Designing Physical Data Reports on Indoor Pollutants for Individuals and Communities. *IEEE Computer Graphics and Applications*. 41(1): 87-98. doi.org/10.1109/MCG.2020.3025322 [Article](#)
35. Perovich, L.J., J.L. Ohayon, E.M. Cousins, R. Morello-Frosch, P. Brown, G. Adamkiewicz, J.G. Brody. 2018. Reporting to parents on children's exposures to asthma triggers in low-income and public housing, an interview-based case study of ethics, environmental literacy, individual action, and public health benefits. *Environmental Health*, 17(48). doi.org/10.1186/s12940-018-0395-9. [Article](#)
36. Polka, E., Childs, E., Friedman, A., Tomsho, K. S., Claus Henn, B., Scammell, M. K., & Milando, C. W. (2021). MCR: Open-Source Software to Automate Compilation of Health Study Report-Back. *International journal of environmental research and public health*, 18(11), 6104. <https://doi.org/10.3390/ijerph18116104>
37. Ramirez-Andreotta, M., J.G. Brody, N. Lothrop, M. Loh, P.I. Beamer and P. Brown. 2016. Improving Environmental Health Literacy and Justice through Environmental Exposure Results Communication. *International Journal of Environmental Research and Public Health*, 13(7):690. doi:10.3390/ijerph13070690 [Article](#)
38. Ramirez-Andreotta, M., J.G. Brody, N. Lothrop, M. Loh, P.I. Beamer, P. Brown. 2016. Reporting back environmental exposure data and free choice learning. *Environmental Health*, 15(2). doi:10.1186/s12940-015-0080-1 [Article](#)
39. Ryan, P., Wolfe, C., Parsons, A., Brokamp, C., Turner, A., & Haynes, E. (2023). Participant Engagement to Develop Report-Back Materials for Personal Air Monitoring. *Journal of Clinical and Translational Science*, 1-21. doi:10.1017/cts.2023.30
40. Thurston AM, Andrade-Rivas F, Spiegel JM. Results Communication in Breast Milk Biomonitoring Studies: A Scoping Review and Stakeholder Consultation. *Health Hum Rights*. 2019 Jun;21(1):63-79. PMID: 31239615; PMCID: PMC6586966.
41. Tomsho KS, Polka E, Chacker S, Queeley D, Alvarez M, Scammell MK, Emmons KM, Rudd RE, Adamkiewicz G. A process for creating data report-back tools to improve equity in environmental health. *Environ Health*. 2022 Jul 12;21(1):67. doi: 10.1186/s12940-022-00880-w. PMID: 35821055; PMCID: PMC9277935.
42. Tomsho KS, Schollaert C, Aguilar T, Bongiovanni R, Alvarez M, Scammell MK, Adamkiewicz G. A Mixed Methods Evaluation of Sharing Air Pollution Results with Study Participants via Report-Back Communication. *Int J Environ Res Public Health*. 2019 Oct 29;16(21):4183. doi: 10.3390/ijerph16214183. PMID: 31671859; PMCID: PMC6862165.
43. Udesky, J.O., K.E. Boronow, P. Brown, L.J. Perovich, J.G. Brody. 2020. Perceived Risks, Benefits, and Interest in Participating in Environmental Health Studies That Share Personal Exposure Data:

A U.S. Survey of Prospective Participants. *Journal of Empirical Research on Human Research Ethics*. doi.org/10.1177/1556264620903595

44. Udesky, J.O., R.E. Dodson, L.J. Perovich, R.A. Rudel. 2019. Wrangling environmental exposure data: guidance for getting the best information from your laboratory measurements. *Environmental Health*. 18: 99. doi.org/10.1186/s12940-019-0537-8
45. Van Horne YO, Carroll SR, Chief K, Lothrop NZ, Richards JR, Begay MG, Charley PH, Ingram JC, Beamer PI. Using environmental health dialogue in a Diné-centered approach for individualized results reporting in an environmental exposure study following the Gold King Mine Spill. *Environ Res*. 2023 May 19:116196. doi: 10.1016/j.envres.2023.116196. PMID: 37211184.
46. Varshavsky, JR, Marley Zalay, Jessica Trowbridge, Tracey J. Woodruff, Asa Bradman, Brenda Eskenazi, Kim G. Harley, Katherine Kogut, Duyen Kauffman, Stephanie Jarmul, Phil Brown, Julia Green Brody, Rachel Morello-Frosch, Participant perspectives related to individual chemical exposure report-back approaches in three environmental health studies, *Environmental Research*, Volume 268, 2025, <https://doi.org/10.1016/j.envres.2024.120746>.
47. Von Behren J, Wong M, Morales D, Reynolds P, English PB, Solomon G. Returning Individual Tap Water Testing Results to Research Study Participants after a Wildfire Disaster. *Int J Environ Res Public Health*. 2022 Jan 14;19(2):907. doi: 10.3390/ijerph19020907. PMID: 35055730; PMCID: PMC8775780.
48. Wu N, McClean MD, Brown P, Aschengrau A, Webster TF. Participant experiences in a breastmilk biomonitoring study: a qualitative assessment. *Environ Health*. 2009 Feb 18;8:4. doi: 10.1186/1476-069X-8-4. PMID: 19226469; PMCID: PMC2649062.

This bibliography represents a growing body of work on individual-level report-back of environmental chemical exposures. It is not a systematic, comprehensive list of everything on this topic. Drafted by Julia Brody 2/10/2026