



Health impacts of gas and oil development: key resources

Compiled by Nadia Steinzor, Earthworks' Oil & Gas Accountability Project
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Published reports and papers (in chronological order by year)

1. Lisa M. McKenzie, Ruixin Guo, Roxana Z. Witter, David A. Savitz, Lee S. Newman, and John L. Adgate. "Birth Outcomes and Maternal Residential Proximity to Natural Gas Development in Rural Colorado." *Environmental Health Perspectives*, 2014. <http://dx.doi.org/10.1289/ehp.1306722>
2. *NEW SOLUTIONS: A Journal of Environmental and Occupational Health Policy*, special issue on shale gas development and health, 2013. www.baywood.com/journals/previewjournals.asp?Id=1048-2911
3. Christopher D. Kassotis, Donald E. Tillitt, J. Wade Davis, Annette M. Hormann, and Susan C. Nagel. "Estrogen and Androgen Receptor Activities of Hydraulic Fracturing Chemicals and Surface and Ground Water in a Drilling-Dense Region." *Endocrinology*, 2013. <http://endo.endojournals.org/content/early/2013/12/16/en.2013-1697.abstract?rss=1>
4. Nadia Steinzor, Wilma Subra, and Lisa Sumi. "Investigating Links Between Shale Gas Development and Health Impacts through a Community Survey Project in Pennsylvania." *NEW SOLUTIONS*, Vol. 23(1) 55-83, 2013. www.earthworkSACTION.org/files/publications/SteinzorSubraSumiShaleGasHealthImpacts2013.pdf
5. T. Colborn, K. Schultz, L. Herrick, and C. Kwiatkowski. "An exploratory study of air quality near natural gas operations." *Human and Ecological Risk Assessment: An International Journal*, 2013. www.endocrinedisruption.com/chemicals.air.php
6. Simpson, I.J., et al. "Air quality in the Industrial Heartland of Alberta, Canada and potential impacts on human health." *Atmospheric Environment*, Vol 81: 702-709, 2013: <http://dx.doi.org/10.1016/j.atmosenv.2013.09.017>
7. Madelon Finkel, Jake Hays, and Adam Law. "Modern Natural Gas Development and Harm to Health: The Need for Proactive Public Health Policies." *ISRN Public Health*, 2013. www.hindawi.com/isrn/public.health/2013/408658/
8. Madelon Finkel and Jake Hays. "The implications of unconventional drilling for natural gas: a global public health concern." *Public Health*, 2013. [www.publichealthjrn.com/article/S0033-3506\(13\)00241-2/abstract](http://www.publichealthjrn.com/article/S0033-3506(13)00241-2/abstract)

9. Southwest Pennsylvania Environmental Health Project, *Health Issues and Concerns Related to Unconventional Gas Development*, 2013. www.environmentalhealthproject.org
10. K. Ferrar, J. Kriesky, C. Christen, L. Marshall, S. Malone, R. Sharma, D. Michanowicz, and B. Goldstein. "Assessment and longitudinal analysis of health impacts and stressors perceived to result from unconventional shale gas development in the Marcellus Shale region." *International Journal of Occupational and Environmental Health*, 2013. www.ncbi.nlm.nih.gov/pubmed/23684268
11. Sharon Wilson, Lisa Sumi, and Wilma Subra. *Reckless Endangerment while Fracking the Eagle Ford Shale*, Earthworks Oil and Gas Accountability Project, 2013. www.earthworksaction.org/library/detail/reckless_endangerment_in_the_eagle_ford_shale#
12. Center for Environmental Health, *Toxic & Dirty Secrets: The Truth about Fracking and Your Family's Health*, 2013. www.ceh.org/legacy/storage/documents/Fracking/fracking_final-low-1.pdf
13. Utah Department of Environmental Quality. *Uintah Basin Winter Ozone Study, 2011-2012*. Results on ozone levels and health risks released 2013. www.deq.utah.gov/locations/uintahbasin/ozone.htm
14. Nadia Steinzor, Wilma Subra, and Lisa Sumi. *Gas Patch Roulette: How Shale Gas Development Risks Public Health in Pennsylvania*, Earthworks Oil and Gas Accountability Project, 2012. <http://health.earthworksaction.org>
15. Michelle Bamberger and Robert E. Oswald. "Impacts of Gas Drilling on Human and Animal Health." *NEW SOLUTIONS: A Journal of Environmental and Occupational Health Policy*, 2012. <http://baywood.metapress.com/openurl.asp?genre=article&id=doi:10.2190/NS.22.1.e>
16. Lisa M. McKenzie, Roxana Z. Witter, Lee S. Newman, and John L. Adgate. "Human Health Risk Assessment of Air Emissions from Development of Unconventional Natural Gas Resources." *Science of the Total Environment*, 2012. www.ncbi.nlm.nih.gov/pubmed/22444058
17. Elaine L. Hill. *Natural Gas Development and Infant Health* (study in progress). Charles H. Dyson School of Applied Economics and Management, Cornell University, 2012. <http://dyson.cornell.edu/research/researchpdf/wp/2012/Cornell-Dyson-wp1212.pdf>
18. Theo Colborn, Carol Kwiatkowski, Kim Schultz, and Mary Bachran. "Natural Gas Operations from a Public Health Perspective." *International Journal of Human and Ecological Risk Assessment*, 2011. www.endocrinedisruption.com/chemicals.introduction.php
19. Charles W. Schmidt. "Blind Rush? Shale Gas Boom Proceeds Amid Human Health Questions." *Environmental Health Perspectives*, 2011. www.ncbi.nlm.nih.gov/pmc/articles/PMC3237379/
20. Earthworks Oil & Gas Accountability Project. *Flowback: How the Texas Natural Gas Boom Affects Health and Safety*. 2011. www.earthworksaction.org/library/detail/natural_gas_flowback
21. PennEnvironment. "In the Shadow of the Marcellus Boom: How Shale Gas Extraction puts Vulnerable Pennsylvanians at Risk." 2011. www.pennenvironment.org/reports/pae/shadow-marcellus-boom
22. Roxana Witter, Kaylan Stinson, Holly Sackett, et al. "Potential Exposure-Related Human Health Effects of Oil and Gas Development: A Literature Review (2003-2008)." Colorado School of Public Health, Denver, 2008. http://docs.nrdc.org/health/hea_08091702.asp

23. Earthworks Oil & Gas Accountability Project. Town of DISH, TX Community Health Survey, 2009, www.earthworksaction.org/library/detail/health_survey_results_of_current_and_former_dish_clark_texas_residents and Town of Pavillion, WY Community Health Survey, 2010, http://earthworksaction.org/PR_PavillionHealthSurvey.cfm

Presentations and testimony

1. Presentations at the People's Oil and Gas Summit, 2010. www.earthworksaction.org/issues/detail/2010_peoples_oil_and_gas_summit_final_agenda (Scroll to *Panel 1: Health impacts from drilling, fracking, waste pits and gas production*).
2. Presentations at the Health Effects of Shale Gas conference, University of Pittsburgh (2010, 2011, 2012). www.shalegas.pitt.edu/index.php?q=node/22
3. Presentations at "Epidemiologic and Public Health Considerations of Shale Gas Production: The Missing Link." Physicians, Scientists, and Engineers for Healthy Energy. January 2012, Arlington, VA. www.psehealthyenergy.org/site/view/971
4. U.S. Congressional testimony by Dr. Conrad Dan Volz, University of Pittsburgh, on natural gas drilling and water-related public health impacts, 2010. www.fractracker.org/?p=342
5. Battlement Mesa (Garfield County), Colorado Health Impact Assessment process and preliminary findings. www.garfield-county.com/public-health/battlement-mesa-health-impact-assessment-draft2.aspx

Recently launched/ongoing studies

Geisinger Health System, in collaboration with Guthrie and Susquehanna health systems (Pennsylvania). Initiative to track and link changes in residents' health with natural gas operations. Launched 2012; completion date unknown (will be conducted in phases of 1-3 years). Overview at: <http://www.geisinger.org/research/cx/73809-1-ResearchCnxWinter2013WEB.pdf>

University of Pennsylvania-led consortium of more than a dozen academic institutions launching studies on health impacts. Announced January 2013; findings to be issued as studies are completed. Overview at: <http://green.blogs.nytimes.com/2013/01/21/taking-a-harder-look-at-fracking-and-health/>

Online libraries

Concerned Health Professionals of New York. Letters, studies, reports, and public testimonials on health and health-related aspects of oil and gas development. <http://concernedhealthny.org/>

Physicians, Scientists, and Engineers for Healthy Energy. Library with studies and articles on the impacts of unconventional oil and gas development. www.psehealthyenergy.org/Library/Unconventional-Oil--Gas

Physicians, Scientists, and Engineers for Healthy Energy. Peer-reviewed study citation database, including a section on health. https://www.zotero.org/groups/pse_study_citation_database/items