The Changing Nature of Pollution, Income, and Environmental Inequality in the United States: Online Appendix

Jonathan Colmer
University of Virginia
jonathan.colmer@virginia.edu

Suvy Qin
UC Berkeley
suvyq@berkeley.edu

John Voorheis
U.S. Census Bureau
john.l.voorheis@census.gov

Reed Walker*
UC Berkeley
rwalker@berkeley.edu

January 2024

A   Appendix Tables

Table 1: Decomposing Pollution Exposure Gaps into Positional versus Distributional Factors, by Year

	1984-1995	1995-2005	2005-2015	Overall 1984-2015
	10th Percentile, PM2.5			
Total change	-0.42	-0.31	-1.09	-1.82
Distributional convergence	-0.57	-0.22	-1.20	-1.99
Positional convergence	0.15	-0.09	0.11	0.17
Returns to income	-0.06	0.07	0.01	0.02
Convergence in income	0.04	0.02	0.00	0.06
Within-income convergence	0.17	-0.18	0.10	0.09
	50th Percentile, PM2.5			
Total change	-0.25	-0.49	-0.90	-1.64
Distributional convergence	-0.22	-0.53	-0.86	-1.61
Positional convergence	-0.03	0.04	-0.04	-0.03
Returns to income	0.02	-0.01	0.03	0.04
Convergence in income	0.01	0.04	0.00	0.05
Within-income convergence	-0.06	0.01	-0.07	-0.12
	90th Percentile, PM2.5			
Total change	-0.31	-0.33	-0.36	-1.00
Distributional convergence	-0.54	-0.27	-0.19	-1.00
Positional convergence	0.23	-0.06	-0.17	0.00
Returns to income	0.10	-0.02	-0.02	0.06
Convergence in income	0.01	0.01	-0.02	0.00
Within-income convergence	0.12	-0.05	-0.13	-0.06

NOTES: Table displays the full set of decompositions of the overall change in pollution exposure gaps at the median, 10th, and 90th quantiles across the three decades in our sample time period.