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Exploiting Externalities to Estimate the Long-Term Effects of Early Childhood Deworming

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July 27, 2016

Abstract

I irrestigate whether a school-based deworming intervention in Kenya had long-term effects on young children in the region. I exploit positive externalities from the program to estimate impacts on younger children who were not directly treated. Ten years after the intervention. I find large cognitive effects—comparable to between 0.5 and 0.5 years of schooling—for children who was less than one year old when their communities received mass deworming treatment. I find no effect on child beight or stunting. Became treatment was administered through schools, I also estimate effects among children whose older siblings received treatment directly; in this subpopulation, effects on cognition are nearly twice as large. (FEL: 100, OEZ, OHZ)

"Research supported by: UC Berkeley (BER, CEGA, Fernaid Lab, CEG, John Carter Endowment, Rocca Fellosoship, RBR, Henry Whoeler Center); USARD, PCD, WUSTL Olis Business School CRES, KEMRI and UCB CFRS conducted RB review. Junie McCashand and John Robset proxided superh-field research assistance and team indenship. Thanks to Harolf Alderman, Franksant Bharadwaj, Simon Boodow, Donaid Bundy, Eric Edmonds, Wills Friedman, Lie Fernald, John Boddmott, Gerald Ipapa, Panella Jahlen, Kelly Jones, Matthew Jubos, Carol Kenmun, Gase Kimani, Joneph Konchel-sin, Michael Kermer, Karen Levy, Edward Migool, Robinsi Pande, Adam Wagataff, Duan Yang, and sumerous conference and seminar participants for engagestions throughout this work. First version: October 17, 2010. The findings, interpretations, and conclusions expressed in this paper are entirely those of the author, and do not necessarily supersect the views of the World Bask, its Executive Descretors, or the governments of the countries they represent. All errors are my own. Please direct correspondence to conier@worldbank.org.

Exploiting Externalities to Estimate the Long-Term Effects of Early Childhood Deworming

I investigate whether a school-based deworming intervention in Kenya had long-term effects on young children in the region. I exploit positive externalities from the program to estimate impacts on younger children who were not directly treated. Ten years after the intervention, I find large cognitive effects—comparable to between 0.5 and 0.8 years of schooling—for children who were less than one year old when their communities received mass deworming treatment. I find no effect on child height or stunting. Because treatment was administered through schools, I also estimate effects among children whose older siblings received treatment directly; in this subpopulation, effects on cognition are nearly twice as large.



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