Health and Education in Early Childhood

*Health and Education in Early Childhood* presents conceptual issues, research findings, and program and policy implications in promoting well-being in health and education in the first five years of life. Leading researchers in the multidisciplinary fields of early learning and human capital formation explore the themes of the integration of health and education in promoting young children’s well-being; the timing of influences on child development; and the focus on multiple levels of strategies to promote healthy early development. Through this, a unique framework is provided to better understand how early childhood health and education predictors and interventions contribute to well-being at individual, family, community, and societal levels and to policy development. Key topics addressed in the chapters include nutritional status, parenting, cognitive development and school readiness, conduct problems and antisocial behavior, obesity, and well-being in later childhood and adulthood.

**ARTHUR J. REYNOLDS** is a professor at the Institute of Child Development and co-director of the Human Capital Research Collaborative at the University of Minnesota.

**ARTHUR J. ROLNICK** is a senior fellow at the Humphrey School of Public Affairs and co-director of the Human Capital Research Collaborative at the University of Minnesota.

**JUDY A. TEMPLE** is an associate professor at the Humphrey School of Public Affairs and the Department of Applied Economics at the University of Minnesota.
Health and Education in Early Childhood

Predictors, Interventions, and Policies

Edited by

Arthur J. Reynolds
University of Minnesota

Arthur J. Rolnick
University of Minnesota

and

Judy A. Temple
University of Minnesota
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Contributors

JEAN MARIE ABRAHAM University of Minnesota
CATHERINE AYOUB Harvard Medical School
JESSICA DYM BARTLETT Harvard Medical School
KAREN L. BIERMAN Pennsylvania State University
PAULA A. BRAVEMAN University of California, San Francisco
ROBERT H. BRUININKS University of Minnesota
FRANCES A. CAMPBELL University of North Carolina at Chapel Hill
RACHEL CHAZAN-COHEN George Mason University
PEGGY CHEN RAND Corporation
ALYSSA CRAWFORD Johns Hopkins Bloomberg School of Public Health
KATINA D’ONISE University of South Australia
CELENE E. DOMITROVICH Pennsylvania State University
GREG J. DUNCAN University of California, Irvine
SUSAN EGERTER University of California, San Francisco
MICHELLE M. ENGLUND University of Minnesota
TEMITOPE O. ERINOSHO University of North Carolina at Chapel Hill
KEVIN D. FRICK Johns Hopkins Carey Business School
MICHAEL K. GEORGIEFF University of Minnesota
SCOTT D. GEST Pennsylvania State University
BERNARD GUYER Johns Hopkins Bloomberg School of Public Health
MOMOKO HAYAKAWA University of Minnesota
List of contributors

ARIEL KALIL University of Chicago
PINAR KARACA-MANDIC University of Minnesota
SAMUEL A. KLEINER Cornell University
NARAYANA KOCHERLAKOTA Federal Reserve Bank of Minneapolis
JOHN W. LYNCH University of Adelaide
SAI MA Johns Hopkins Bloomberg School of Public Health
LAURIE T. MARTIN RAND Corporation
ROBYN A. MCDERMOTT University of South Australia
ROBIN E. MOCKENHAUPT Robert Wood Johnson Foundation
ROBERT L. NIX Pennsylvania State University
HELEN RAIKES University of Nebraska
ARTHUR J. REYNOLDS University of Minnesota
ARTHUR J. ROLNICK University of Minnesota
SHARON ROLNICK HealthPartners Institute of Education and Research
LAWRENCE J. SCHWEINHART HighScope Educational Research Foundation
AMY SUSMAN-STILLMAN University of Minnesota
JUDY A. TEMPLE University of Minnesota
JIM THORP University of Minnesota
DIANNE S. WARD University of North Carolina at Chapel Hill
JANET A. WELSH Pennsylvania State University
BARRY WHITE University of Minnesota
SUNG J. CHOI YOO University of Minnesota
KATHLEEN M. ZIOL-GUEST University of New York
Foreword: Health, education, and early childhood development

In 2010, the Minneapolis Fed served as host in partnership with the University of Minnesota for a conference on health and early childhood development. The presentation and discussion sessions were designed to lead to a deeper understanding of the impact that early childhood health has on later education and health outcomes, as children progress through school and into adulthood. The presentations and discussions led to this volume, which features several conference participants.

The Minneapolis Fed hosts conferences on a number of topics, including economic research, community development, and economic and financial education. And this wasn’t the first time it hosted a conference on early childhood issues. In 2003, researchers gathered for a one-day conference titled “The Economics of Early Childhood Development: Lessons for Economic Policy.” After the Minneapolis Fed joined the University of Minnesota to form the Early Childhood Research Collaborative, the precursor to the HCRC, the Fed hosted a two-day conference in 2007 on “Critical Issues in Cost Effectiveness in Children’s First Decade.”

So why is the Federal Reserve interested in early childhood development issues? After all, the Fed’s primary mission is to conduct monetary policy as the nation’s central bank. It also regulates banks and provides fiscal services for the US Treasury. At first glance it seems that early childhood development is a bit far from the Fed’s core responsibilities. However, the Federal Reserve is also charged with promoting employment and economic growth, and education is a key – if not the primary – component of growth and jobs. Here is what Federal Reserve Chairman Ben Bernanke had to say about early childhood education in a 2007 speech:

Although education and the acquisition of skills is a lifelong process, starting early in life is crucial. Recent research – some sponsored by the Federal Reserve Bank of Minneapolis in collaboration with the University of Minnesota – has documented the high returns that early childhood programs can pay in terms of subsequent educational attainment and in lower rates of social problems, such as teenage pregnancy and welfare dependency. The most successful early childhood
programs appear to be those that cultivate both cognitive and non-cognitive skills and that engage families in stimulating learning at home.

In other words, one need look no further than the first two words in the HCRC acronym, “human capital.” One of the key ingredients to sustained economic growth is the development of human capital. That is, economies with highly educated and skilled workers have higher levels of productivity, which supports economic growth, including higher earnings for workers. For example, in the US economy, the median earnings for a worker age 25 to 34 with a college degree was about 70 percent more than for a worker with only a high school diploma in 2011. Twenty years earlier, the earnings differential was 56 percent. Furthermore, during this past recession, employment deteriorated less for workers with higher levels of education than for workers with lower levels of education. Over the long run, the US economy will continue to demand more highly educated and skilled workers.

As this volume emphasizes, human capital development begins early. Research by Nobel laureate economist James Heckman reveals that skill acquisition is a cumulative process that works most effectively when a solid foundation has been provided in early childhood. As children get off to a good start, they are more likely to succeed in school and later in the workforce. Moreover, as articulated by Art Rolnick during his time as research director at the Minneapolis Fed, many of the benefits of early investments, particularly those that target at-risk children, accrue to the general public— for example, in the form of reduced crime costs.

This volume is designed to reach many audiences, including policymakers, researchers, students, practitioners, and interested citizens. The discussions inspired by the following chapters can lead to better practice and policy in early health and education and to a better quality of life for the nation’s children.

NARAYANA KOCHERLAKOTA
President, Federal Reserve Bank of Minneapolis

References


Foreword


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This volume is a product of the Human Capital Research Collaborative (HCRC), a partnership of the University of Minnesota and the Federal Reserve Bank of Minneapolis devoted to understanding the determinants of well-being and the effects of social programs on improving health and well-being. Many individuals, centers, and organizations made contributions to make this volume possible. We want to thank in particular the Federal Reserve Bank of Minneapolis for their support of the work of the Human Capital Research Collaborative.