For Scaling Up Nutrition see

http://scalingupnutrition.org/

Violence Against Children see

http://www.end-violence.org/

For the Global Partnership to End

Scaling Up Nutrition and the Global Partnership to End Violence Against Children.

As lead authors of this Series, we call upon all stakeholders to step up strategic and equitable investments in early childhood development. The SDGs provide the vision and the multisectoral framework, while the findings of this Series map pathways for action towards ensuring that every child can realise their right to development and to achieve their full human potential.¹² We have the knowledge, the resources, and the opportunities. We must act now to lay the foundation for a lifetime of health and wellbeing—for the benefit of today's children, tomorrow's adults, and for future generations.

*Bernadette Daelmans, Gary L Darmstadt, Joan Lombardi, Maureen M Black, Pia R Britto, Stephen Lye, Tarun Dua, Zulfigar A Bhutta, Linda M Richter, on behalf of the Lancet Early Childhood Development Series Steering Committee Department of Maternal, Newborn, Child and Adolescent Health, World Health Organization, 1211 Geneva 27, Switzerland (BD); Department of Pediatrics, Stanford University School of Medicine, Stanford, CA, USA (GLD); Bernard van Leer Foundation, Washington, DC, USA (JL); Department of Pediatrics, University of Maryland School of Medicine, Baltimore, MD, USA (MMB); RTI International, Research Park, NC, USA (MMB); UNICEF, New York, NY, USA (PRB); Fraser Mustard Institute for Human Development, University of Toronto, ON, Canada (SL); Department of Mental Health and Substance Abuse, World Health Organization, Geneva, Switzerland (TD); Center for Global Child Health, Hospital for Sick Children, Toronto, ON, Canada (ZAB); Centre of Excellence in Women and Child Health, The Aga Khan University, Karachi, Pakistan (ZAB); and DST-NRF Centre of Excellence in Human Development, University of the Witwatersrand, Johannesburg, South Africa (LMR) daelmansb@who.int

We declare no competing interests. Funding for the preparation of the Series was provided by the Bill & Melinda Gates Foundation and the Conrad N Hilton

Foundation through WHO and the US Fund for UNICEF, respectively. The sponsors had no role in conceptualising, analysing, interpreting, or writing this Comment. We thank all members of the *Lancet* Early Childhood Development Series Steering Committee for their tireless efforts and invaluable contributions to the Series, including: Jere R Behrman, Paul Gertler, Jody Heymann, Florencia Lopez Boo, Harriet MacMillan, Rafael Perez-Escamilla, and Nirmala Rao.

 \circledast 2016. World Health Organization. Published by Elsevier Ltd/Inc/BV. All rights reserved.

- Black MM, Walker SP, Fernald LCH, et al, for the Lancet Early Childhood Development Series Steering Committee. Early childhood development coming of age: science through the life course. Lancet 2016; published online Oct 4. http://dx.doi.org/10.1016/S0140-6736(16)31389-7.
- Britto PR, Lye SJ, Proulx K, et al, and the Early Childhood Development Interventions Review Group, for the *Lancet* Early Childhood Development Series Steering Committee. Nurturing care: promoting early childhood development. *Lancet* 2016; published online Oct 4. http://dx.doi. org/10.1016/S0140-6736(16)31390-3.
- 3 Richter LM, Daelmans B, Lombardi J, et al, with the Paper 3 Working Group and the Lancet Early Childhood Development Series Steering Committee. Investing in the foundation of sustainable development: pathways to scale up for early childhood development. Lancet 2016; published online Oct 4. http://dx.doi.org/10.1016/S0140-6736(16)31698-1.
- 4 Gertler P, Heckman J, Pinto R, et al. Labor market returns to an early childhood stimulation intervention in Jamaica. *Science* 2014; **344**: 998–1001.
- 5 Martorell R, Horta BL, Adair LS, et al, and Consortium on Health Orientated Research in Transitional Societies Group. Weight gain in the first two years of life is an important predictor of schooling outcomes in pooled analyses from five birth cohorts from low- and middle-income countries. J Nutr 2010; 140: 348–54.
- 6 Addo OY, Stein AD, Fall CHD, et al. Parental childhood growth and offspring birthweight: pooled analyses from four birth cohorts in low and middle income countries. Am J Hum Biol 2015; 27: 99–105.
- 7 Walker SP, Chang SM, Wright A, Osmond C, Grantham-McGrego SM. Early childhood stunting is associated with lower developmental levels in the subsequent generation of children. J Nutr 2015; 145: 823–28.
- 8 UN Interagency Group for Child Mortality Estimation. Levels and trends in child mortality report 2015: estimates developed by the UN Interagency Group for Child Mortality Estimation. New York: United Nations Children's Fund, 2015.
- 9 WHO, UNICEF, Care for Child Development. Improving the care for young children. Geneva: World Health Organization, 2012.
- 10 UN Secretary-General. Global strategy for women's, children's and adolescents' health (2016–2030). New York: United Nations, 2015. http://globalstrategy.everywomaneverychild.org/ (accessed Sept 13, 2016).
- 11 Global Partnership for Education. Improving learning and equity through stronger education systems. Strategic plan 2014–2020. Washington, DC: Global Partnership for Education, 2014. http://www.globalpartnership.org/ content/gpe-2020-strategic-plan (accessed Sept 13, 2016).
- 12 UN. Transforming our world: the 2030 agenda for sustainable development. Version 1 September 2015. New York: United Nations, 2015.

The early years: silent emergency or unique opportunity?

Today's children will drive growth and development in the societies of tomorrow. We should be deeply concerned, therefore, that an estimated 250 million children (43%) younger than 5 years in low-income and middle-income countries are at risk of falling short of their potential because of adversities they face in their early, formative years.¹

Helping these children reach that potential by investing in early childhood development—and developing their physical, cognitive, emotional, and social capacities—will benefit not only them but also all of us. Failing to make such investments will have profound implications for children, their families, and their societies, exacerbating inequalities and deepening societal divisions. When it comes to early childhood development, the cost of inaction is high.

The papers published in the *Lancet* Series, Advancing Early Childhood Development: from Science to Scale,¹⁻³ quantify that cost, showing that children who are not nurtured properly in the early years may forfeit a

Published Online October 4, 2016 http://dx.doi.org/10.1016/ S0140-6736(16)31701-9 See Series pages 77, 91, and 103





quarter of their earning capacity as adults. The Series provides a roadmap to successful interventions in early childhood, along with evidence that such interventions contribute directly to ending extreme poverty, boosting shared prosperity, promoting healthy lives and learning, reducing inequalities, and maintaining peaceful societies.

New evidence is presented in the Series to support the concept of nurturing care as a basic right of every child, on the basis of the scientific advancements underscoring the importance of the early years.² Thanks to those advancements, we know more than ever before about what works in early childhood when brain development is at its peak. All indications are that we must reach families from—or even before—the time of conception, and that support is vital in the first 1000 days of a child's life. The evidence shows that young children have the best chance of maximising their potential when they are well nourished, responsively cared for, with learning opportunities from birth onwards, and protected from disease, violence, and stress.¹⁻³

The Series introduces evidence, as well, that successful policies for early childhood development focus on equipping families with the time, resources, knowledge, and skills they need to provide nurturing care.³ And it emphasises the importance of well coordinated efforts across sectors, including health, nutrition, education, welfare, social protection, environmental safety and conservation, agriculture, and water and sanitation.

But although we know what has to be done in the early years, our challenge is to provide the necessary resources and opportunities for the most disadvantaged young children and their families. Only with accessible support and services can we accelerate progress for the more than four in ten children worldwide who are seriously limited in accessing what they need for healthy growth, learning, and development.¹³

By advocating for interventions throughout the life course—starting with maternal health and prenatal care we and our partners can make a positive difference in early childhood policies and programmes. If we succeed, more young children around the world will be able to survive and thrive, becoming developmentally ready to reap the full benefits of education when they reach school age.

We, therefore, have committed to making early childhood investments, policies, and programmes an essential part of our support to the countries in which we operate. To that end, we will work to create a continuum of care during the early years by engaging all relevant sectors. And we will help governments develop or strengthen national strategies and action plans aimed at giving every young child a fair chance to thrive. The UN Secretary-General's Global Strategy for Women's, Children's and Adolescents' Health 2016–2030 provides a foundation for such an intersectoral approach.⁴

The early childhood agenda is truly global, because the need is not limited to low-income countries. Children living in disadvantaged households in middle-income and wealthy countries are also at risk. In targeting our investments, we should give priority to populations in the greatest need, such as families and children in extreme poverty and those who require humanitarian assistance. In addition, we have to build more resilient systems in vulnerable communities to mitigate the disruptive influence of natural disasters, fragility, conflict, and violence.⁵

Working together, we can help countries generate synergies and cost savings from well designed, integrated packages of early childhood services. But we must also continue learning from experience to strengthen the quality of programmes focused on the early years. Rigorous research into the delivery of interventions, and their short-term and long-term outcomes, is important for innovation. We need stronger measurement and a new consensus on robust, valid indicators to assess children's cognitive and socioemotional development. Intensified monitoring through nationwide populationbased assessments, such as the Multiple Indicator Cluster Survey, among others, is essential for accountability and will help us stay the course.

Advancing early childhood development in this way will require the deliberate allocation of resources and coordination across countries and regions. Partnerships will, therefore, be key to our success. The Early Childhood Development Action Network, launched in April, 2016, is an important one.⁶ It brings together stakeholders from the public and private sectors, civil society, academia, professional associations, foundations, donor agencies, and local communities. The new network complements existing partnerships, providing a platform for joint advocacy, learning, action, measurement, and accountability.

We will also keep working to protect and invest in young children through the Global Financing Facility for the UN Secretary-General's Every Woman Every Child initiative,

For the Global Financing Facility see http://globalfinancingfacility.

as well as alliances such as the Early Learning Partnership, the Global Partnership to End Violence Against Children, Scaling Up Nutrition, and the Power of Nutrition.

Ultimately, no matter what platforms or partnerships we use to get there, reaching children in the early years is a prerequisite for sustainable development. This *Lancet* Series shows why that is true, and points the way towards giving all young children the care and support they need to reach their potential. It is up to all of us to bring that aspiration closer to reality.

*Margaret Chan, Anthony Lake, Keith Hansen

World Health Organization, 1211 Geneva 27, Switzerland (MC); United Nations Children's Fund, New York, NY, USA (AL); and The World Bank, Washington, DC, USA (KH) chanm@who.int

MC is Director-General of the World Health Organization. AL is Executive Director of the United Nations Children's Fund. KH is Vice President of Human Development, World Bank Group. We declare no other competing interests.

 $\ensuremath{\mathbb{C}}$ 2016. World Health Organization. Published by Elsevier Ltd/Inc/BV. All rights reserved.

- Black MM, Walker SP, Fernald LCH, et al, for the Lancet Early Childhood Development Series Steering Committee. Early childhood development coming of age: science through the life course. Lancet 2016; published online Oct 4. http://dx.doi.org/10.1016/S0140-6736(16)31389-7.
- Britto PR, Lye SJ, Proulx K, et al, and the Early Childhood Development Interventions Review Group, for the *Lancet* Early Childhood Development Series Steering Committee. Nurturing care: promoting early childhood development. *Lancet* 2016; published online Oct 4. http://dx.doi. org/10.1016/S0140-6736(16)31390-3.
- Richter LM, Daelmans B, Lombardi J, et al, with the Paper 3 Working Group and the *Lancet* Early Childhood Development Series Steering Committee. Investing in the foundation of sustainable development: pathways to scale up for early childhood development. *Lancet* 2016; published online Oct 4. http://dx.doi.org/10.1016/S0140-6736(16)31698-1.
- UN Secretary-General. Global strategy for women's, children's and adolescents' health (2016–2030). New York: United Nations, 2015. http://globalstrategy.everywomaneverychild.org/ (accessed Sept 26, 2016).
- 5 Every Woman Every Child Everywhere workstreams. From principles to practice: implementing the global strategy for women's children's and adolescents' health everywhere. Meeting report. April 4–5, 2016. http://www.everywomaneverychild.org/images/EveryWhere_AD_Report_ for_web-4.pdf (accessed Sept 13, 2016).
- 6 World Bank Group. Press release: World Bank Group, UNICEF urge greater investment in early childhood development. April 14, 2016. http://www.worldbank.org/en/news/press-release/2016/04/14/worldbank-group-unicef-urge-greater-investment-in-early-childhooddevelopment (accessed Sept 13, 2016).

For the Early Leaning Partnership see http://www. worldbank.org/en/topic/ education/brief/early-learningpartnership

For the Global Partnership to End Violence Against Children see http://www.end-violence.org

For Scaling Up Nutrition see_ http://scalingupnutrition.org

For the **Power of Nutrition** see http://www.powerofnutrition.org

Good early development—the right of every child

1

3

4

Data from the past decade show that millions of women, children, and adolescents have been left behind due to underlying social, economic, and cultural inequities. To address these issues, in September, 2015, the international community adopted the Global Strategy for Women's, Children's and Adolescents' Health, a bold roadmap to end preventable maternal, newborn, and child deaths, including stillbirths, by 2030. The Global Strategy aims to ensure that women, children, and adolescents survive, thrive, and lead lives that are transformative and prosperous.¹ It proposes that at least US\$100 billion in demographic dividends can be realised from investments in early childhood and adolescent health and development. Enabling children to develop their full potential, particularly in the first 3 years of life, has high rates of return across the life course. These facts can no longer be ignored.

Only in the past few years have the development and health communities recognised that early childhood development is a solid foundation for human capital development. And now the *Lancet* Series, Advancing Early Childhood Development: from Science to Scale,²⁻⁴ further advances our knowledge of this important issue.

As reported in the first Series paper, about 250 million (43%) children younger than 5 years in low-income and middle-income countries are at risk of not reaching their developmental potential because of extreme poverty and stunting.² Knowing this number is important to increase political commitment to, and investment in, early childhood development programmes and to inform implementation of the Sustainable Development Goals (SDGs) and ensure no one is left behind.

Examples of research and policy development in some countries are a promising indication that the global community is waking up to the importance of good early childhood development as a fundamental right of every child. Supporting early childhood development services and programmes allows children to achieve their full potential, including optimum education which is a gateway to their social inclusion and a foundation for sustainable development for all nations. But despite evidence of what works to support early childhood development, and the setting of global and national goals, domestic and global human and financial resource allocation for early childhood development remains insufficient. The



(W

Published Online October 4, 2016 http://dx.doi.org/10.1016/ S0140-6736(16)31700-7 See Series pages 77, 91, and 103