

1 February 2023

# Why it is essential to protect and ringfence child health services in the context of austerity

One in every three people in South Africa are children under the age of 18.<sup>1</sup> If we, as South Africans, make the right investments to promote their optimal health and development, our young population has the potential to transform our country and drive social and economic development. Yet our youngest citizens are disproportionately concentrated in the poorest households and are highly vulnerable to shocks such as the COVID-19 pandemic and the current economic recession<sup>2</sup>.

At the Child Health Priorities Conference, hosted at the University of the Witwatersrand in late November 2022, we noted with concern Treasury's intention to cut social spending, as outlined in its October 2022 Medium Term Budget Policy Statement. This includes cuts to health care services and social assistance. These cuts threaten to undermine the provision of essential child health services whilst simultaneously pushing more children even deeper into poverty.<sup>3</sup>

#### A call to action

The United Nations Committee on the Rights of the Child has issued clear guidance<sup>4</sup> that States should not introduce retrogressive measures such as austerity budgets that compromise children's rights to health, survival and development.

We therefore call on health professionals, managers and administrators at every level of the health care system to take proactive steps to safeguard and ringfence budgets for child health services to ensure that the proposed austerity measures do not introduce retrogressive measures or erode children's rights to health care services.

Here we draw on the latest science, economic and legal arguments to support the call for the protection and ringfencing of budgets for child health services.

# 1. Children's health and access to health care services are already compromised

- Even before the pandemic, many South African children were failing to thrive with more than a quarter of children under five years old stunted in their growth and development.<sup>5</sup>
- The COVID-19 pandemic orphaned nearly 150,000 children<sup>6</sup> while the accompanying recession pushed a further 1.5 million children into food poverty so that by 2020, 4 in every 10 children lived in households that could not afford to meet their children's nutritional needs<sup>7</sup>.

- Post-COVID, rising food and fuel prices have further been eroding children's food security, nutritional status,<sup>8</sup> and access to health care services.
- The reduced utilisation of routine primary health care services seen at the start of the COVID-19 pandemic<sup>9</sup> has persisted<sup>10</sup> and is associated with low immunisation coverage as evidenced by the recent outbreaks of preventable diseases such as measles and whooping cough.<sup>11</sup>

#### 2. The science

There is now incontrovertible evidence that early life experiences fundamentally determine the developmental origins and trajectories of health or disease across the life course, and across generations. <sup>12</sup> With this knowledge, there is a growing recognition that it is most effective – and cost-effective – to intervene early in life to prevent illness and promote optimal health and development.

#### For example:

- 50% of mental disorders have their onset before the age of 14 years, and 75% before the age of 24 years, <sup>13</sup> and prevention and early intervention in childhood and adolescence were identified as "the most promising investment in population mental health" by the Lancet Commission on Global Mental Health. <sup>14</sup>
- Similarly, the "slow violence" of the triple burden of child malnutrition (undernutrition, obesity, micronutrient deficiencies) is fueling the acceleration of non-communicable diseases that threatens to overwhelm the health care system.<sup>15</sup>

In both cases, it is more effective - and cost-effective - to invest in prevention and early intervention - even preconception - where efforts to ensure the health and well-being of adolescents prior to childbearing has the potential to kickstart a positive intergenerational cycle of human capital development.<sup>16</sup>

#### 3. The economic arguments

These investments in child and adolescent health will reap a triple dividend –for the children of today, for the adults they will become tomorrow, but also for the next generation of children. For example, a recent systematic review<sup>17</sup> noted that:

"Investment in early childhood generates positive returns, for the child, the family and the wider community. Benefits to children in the short term include the development of resilience, improved cognitive skills, reduced school absenteeism and reduced risk of disease. Longer term outcomes include better employment pathways, improved health, reduced dependency on welfare (including social services, incarceration and juvenile justice) and reduced inequality.

This is particularly true for children unable to fulfill their full potential, due to poor health, lack of opportunities to learn and/or deprivation of care. Improving early child development has the potential to improve national productivity and gross domestic product. It is not simply a 'nice to have' in an ideal world. Conversely, the cost of failing to adequately support children has implications for the child, community and the national economy."

While interventions initiated in the first 1000 days of life have been shown to yield the highest economic returns, particularly for children experiencing adversity;<sup>18</sup> these investments need to be sustained throughout childhood into adolescence to ensure the benefits are not eroded over time<sup>19</sup>.

The second decade of life is a time of risk, but this period of rapid development also offers another opportunity to enhance outcomes and set the trajectory for lifelong health and development. Interventions to support adolescents' physical, mental and sexual health during this period have been shown to yield up to a 10-fold return on investment by saving lives and reducing unintended pregnancies.<sup>20</sup>

#### 4. Global commitments and evidence-based guidelines

The emerging science and economic arguments have informed a shift in global health strategy from a narrow focus on survival to a broader thrive agenda – as outlined in the Global Strategy for Women's, Adolescents' and Children's Health,<sup>21</sup> the Nurturing Care Framework,<sup>22</sup> Global Accelerated Action for Adolescents,<sup>23</sup> and the World Health Organization's quality standards for maternal, newborn and paediatric services to ensure access to safe, effective, quality and affordable care<sup>24</sup>.

#### 5. The legal arguments

Section 28 of our Constitution recognises children's vulnerability and the State's obligation to uphold their best interests and provide a higher standard of care and protection. For this reason, children's right to basic health care services is immediately realisable and is not subject to progressive realisation or limited by available resources.<sup>25</sup>

The state is therefore obliged to put in place definitive measures to give effect to children's right to health care services. This includes adopting appropriate laws, policies and programmes; providing the necessary budget and resources; ensuring the design and delivery of health care services upholds children's best interests; and improving child health outcomes across a range of indicators.<sup>26</sup>

In addition, Article 24 (2) of the United Nations Convention of the Rights of the Child states that government must prioritise child health within the health plan for the general population,<sup>27</sup> and the UN Committee on Economic, Social and Cultural Rights stipulates that these health goods, services and programmes should be available, accessible, acceptable and of good quality.<sup>28</sup>

#### No retrogressive measures

In 2020, the Gauteng High Court (in its ruling against the closure of the National School Nutrition Programme) noted that once a state has taken on such an obligation, it cannot 'back-track'.<sup>29</sup> The High Court then affirmed the United Nations Committee on the Rights of the Child's *General Comment 19 on Public Budgeting for Children's Rights*<sup>30</sup> which stipulates that states "should not take deliberate regressive measures in relation to socio-economic rights" and that even in times of economic crisis, "regressive measures may only be considered after assessing all other options and ensuring that children are the last to be affected, especially those in vulnerable situations":

"State parties shall demonstrate that such measures are necessary, reasonable, proportionate, non-discriminatory and temporary and that any rights thus affected will

be restored as soon as possible. States parties should take appropriate measures so that the groups of children who are affected, and others with knowledge about those children's situation, participate in the decision-making process related to such measures. The immediate and minimum core obligations imposed by children's rights shall not be compromised by any retrogressive measures, even in times of economic crisis."

#### In conclusion

While we recognise that resources are constrained, budget cuts should never be made at the expense of child health. All too often child health services are cut because children have no voice, while civil servant salaries and parliamentary perks remain untouched. Cutting child health services and social assistance in the context of rising poverty and hunger, constitutes a clear violation of children's rights and a shameful betrayal of the very central pillar of our Constitution.

## The child's name is Today

The child cannot wait.

Right now is the time the child's bones are being formed, blood is being made, senses are being developed.

To the child we cannot answer 'tomorrow'

The child's name is Today.

Gabriela Mistral, Nobel Prize Winning Poet from Chile

#### Issued by the Child Health Priorities Association Executive Committee

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 $<sup>^{\</sup>mathrm{1}}$  Statistics South Africa. General Household Survey 2020. Pretoria: Stats SA. 2021.

<sup>&</sup>lt;sup>2</sup> Lake L, Shung-King M, Delany A & Hendricks M. *Prioritise children - from response to recovery.* Children and COVID-19 advocacy brief series. Cape Town: Children's Institute, University of Cape Town. 2021.

<sup>&</sup>lt;sup>3</sup> Medium term budget is taking from the mouths of babies, children's organisations claim. *Daily Maverick,* 27 October 2022: <a href="https://www.news.uct.ac.za/images/userfiles/downloads/media/2022">https://www.news.uct.ac.za/images/userfiles/downloads/media/2022</a> 10 28 ChildrensOrganisations.pdf

 $<sup>^4\</sup> https://www.ohchr.org/en/documents/general-comments-and-recommendations/general-comment-no-19-2016-public-budgeting$ 

<sup>&</sup>lt;sup>5</sup> Department of Health, Statistics South Africa, South African Medical Research Council and ICF. South Africa Demographic and Health Survey 2016: Key indicators. Pretoria and Rockville, Maryland: DOH, Stats SA, SAMRC & ICF. 2017.

<sup>&</sup>lt;sup>6</sup> https://www.unicef.org/southafrica/press-releases/number-covid-19-orphans-nears-150000-south-

 $<sup>\</sup>underline{africa\#:} \text{``:text=PRETORIA\%2C\%2005\%20September\%202022\%20\%E2\%80\%93\%20COVID,} 19\%3A\%20Joint\%20Estimates\%20and\%20Action.$ 

<sup>7</sup> Hall K. Poverty, unemployment and social grants. In: Tomlinson M, Kleintjes S & Lake L (eds) *South African Child Gauge 2021/22*. Cape Town: Children's Institute, UCT. 2022.

 $<sup>^{8}\</sup> https://www.dailymaverick.co.za/article/2022-07-04-hunger-and-malnutrition-escalate-but-state-food-plan-is-years-behind/dailymaverick.co.za/article/2022-07-04-hunger-and-malnutrition-escalate-but-state-food-plan-is-years-behind/dailymaverick.co.za/article/2022-07-04-hunger-and-malnutrition-escalate-but-state-food-plan-is-years-behind/dailymaverick.co.za/article/2022-07-04-hunger-and-malnutrition-escalate-but-state-food-plan-is-years-behind/dailymaverick.co.za/article/2022-07-04-hunger-and-malnutrition-escalate-but-state-food-plan-is-years-behind/dailymaverick.co.za/article/2022-07-04-hunger-and-malnutrition-escalate-but-state-food-plan-is-years-behind/dailymaver-and-malnutrition-escalate-but-state-food-plan-is-years-behind/dailymaver-and-malnutrition-escalate-but-state-food-plan-is-years-behind/dailymaver-and-malnutrition-escalate-but-state-food-plan-is-years-behind/dailymaver-and-malnutrition-escalate-but-state-bu$ 

<sup>&</sup>lt;sup>9</sup> JENSEN, C; MCKERROW, N H. Child health services during a COVID-19 outbreak in KwaZulu-Natal Province, South Africa. **South African Medical Journal**, [S.I.], v. 111, n. 2, p. 114-119, dec. 2020. ISSN 2078-5135;

Shung-King M, Lake L, Hendricks M, Delany A, Baker Y, Berry L, Biersteker L, Goeiman H, Mathews S, Mordon E, Murray J, Scott C, Shand L, van Stormbroek B, Wessels T (2022) The impact of COVID-19 on children: Insights from a Western Cape perspective. In: Govender K, George G, Padarath A, Moeti T, editors. South African Health Review 2021. Durban: Health Systems Trust

 $<sup>^{\</sup>rm 10}$  National Department of Health. DHIS data.

- 1111 https://www.nicd.ac.za/measles-outbreak-update-in-limpopo-and-mpumalanga-province-1-december-2022/https://www.westerncape.gov.za/news/increase-pertussis-whooping-cough-cases-western-
- $\underline{\mathsf{cape\#:}} \\ \text{```text=Since} \\ \text{`20January} \\ \text{`2C\%20} \\ \text{cases} \\ \text{`20have} \\ \text{`20been,true\%20} \\ \text{cases} \\ \text{`20in\%20} \\ \text{the\%20} \\ \text{community}.$
- <sup>12</sup> Norris S, Draper C & Lake L (2019) Child health matters: A life course perspective. In: Shung-King M, Lake L, Sanders D & Hendricks M (eds) *South African Child Gauge 2019*. Cape Town: Children's Institute;
- Halfon N, Forrest CB, Lerner RM, et al., editors. Handbook of Life Course Health Development [Internet]. Cham (CH): Springer; 2018. Available from: https://www.ncbi.nlm.nih.gov/books/NBK543707/ doi: 10.1007/978-3-319-47143-3
- <sup>13</sup> Kessler RC, Berglund P, Demler O, Jin R, Merikangas KR, Walters EE. Lifetime prevalence and age-of-onset distributions of DSM-IV disorders in the National Comorbidity Survey Replication. *Archives of General Psychiatry*. 2005;62(6):593-602
- <sup>14</sup> Patel V, Saxena S, Lund C, et al (2018) The Lancet Commission on Global Mental Health and Sustainable Development. *The Lancet*, 392: 1553-1598.
- <sup>15</sup> Wells JC, Sawaya AL, Wibaek R, Mwangome M, Poullas MS, Yajnik CS, Demaio A. The double burden of malnutrition: aetiological pathways and consequences for health. Lancet. 2020 Jan 4;395(10217):75-88. doi: 10.1016/S0140-6736(19)32472-9. Epub 2019 Dec 15. PMID: 31852605: PMCID: PMC7613491.
- Black RE, Victora CG, Walker SP, Bhutta ZA, Christian P, de Onis M, Ezzati M, Grantham-McGregor S, Katz J, Martorell R, Uauy R; Maternal and Child Nutrition Study Group. Maternal and child undernutrition and overweight in low-income and middle-income countries. Lancet. 2013 Aug 3;382(9890):427-451. doi: 10.1016/S0140-6736(13)60937-X. Epub 2013 Jun 6. Erratum in: Lancet. 2013. 2013 Aug 3;382(9890):396. PMID: 23746772.
- <sup>16</sup> Black MM, Behrman JR, Daelmans B, et al. The principles of Nurturing Care promote human capital andmitigate adversities from preconception through adolescence. BMJ Global Health 2021; 6:e004436. doi:10.1136/bmjgh-2020-004436
- <sup>17</sup> Geelhoed E, Mandzufas J, George P, *et al* Long-term economic outcomes for interventions in early childhood: protocol for a systematic review. *BMJ Open* 2020;10:e036647. doi: 10.1136/bmjopen-2019-036647
- <sup>18</sup> Doyle O, Harmon CP, Heckman JJ, *et al.* Investing in early human development: timing and economic efficiency. Econ Hum Biol 2009;7:1–6.doi:10.1016/j.ehb.2009.01.002pmid:http://www.ncbi.nlm.nih.gov/pubmed/19213617
- <sup>19</sup> Rochat T & Redinger S. A life-course perspective on the biological, psychological and social development of child mental health. In: Tomlinson M, Kleintjes S & Lake L (eds) *South African Child Gauge 2021/22*. Cape Town: Children's Institute, UCT. 2022.
- <sup>20</sup> https://www.unfpa.org/press/lancet-investing-adolescent-health-education-could-bring-tenfold-economic-benefit
- <sup>21</sup> The Global Strategy for Women's, Children's and Adolescents' Health (2016 2030), Survive, Thrive, Transform. New York: Every Woman, Every Child; 2015.
- <sup>22</sup> Nurturing Care for Early Childhood Development: A framework for helping children survive and thrive to transform health and human potential. Geneva: World Health Organization; 2018.
- <sup>23</sup> Global Accelerated Action for the Health of Adolescents (AA-HA!): Guidance to support country implementation. Geneva: World Health Organization; 2017
- <sup>24</sup> Standards for Improving the Quality of Care for Children and Young Adolescents in Health Facilities. Geneva: World Health Organization; 2018:
- Standards for Improving Quality of Maternal and Newborn Care in Health Facilities. Geneva, World Health Organization, 2016.
- <sup>25</sup> Lake L, Shung-King M, Heywood M, Nannan N, Laubshcer R, Bradshaw D, Mathews C, Goga A, Ramraj T & Chirindavi W. Prioriting child and adolescent health: A human rights imperative. In: Shung-King M, Lake L, Hendricks M & Sanders D. (eds) *South African Child Gauge 2019*. Cape Town: Children's Institute, UCT.
- <sup>26</sup> Proudlock P & Mahery P. Children's right to health. In: Kibel M, Lake L & Smith C (eds) South African Child Gauge 2009/2010. Cape Town: Children's Institute, UCT. 2010.
- <sup>27</sup> Office of the High Commissioner of Human Rights (1989) Convention on the Rights of the Child, UN General Assembly Resolution 44/25. Geneva: United Nations.
- <sup>28</sup> United Nations Committee on Economic, Social and Cultural Rights (2000) The right to the highest attainable standard of health. General comment 14, E/C.12/2000/4. Geneva: UN.
- <sup>29</sup> Equal Education and others v Minister of Basic Education and others (22588/2020) [2020] ZAGPPHC 306 (17 July 2020)
- 30 https://www.ohchr.org/en/documents/general-comments-and-recommendations/general-comment-no-19-2016-public-budgeting