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Political prioritization of early childhood education during the COVID-19 pandemic: A comparative policy analysis of low- and middle-income countries

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\textbf{A B S T R A C T}

Despite strong evidence of its importance to the welfare of children and societies, early childhood education has been comparatively neglected as a policy priority both before and during the COVID-19 pandemic. This paper seeks to understand what factors have contributed to the relative lack of priority for early childhood education in distance learning and school reopening plans by applying a political prioritization framework to the pandemic context in 4 low- and middle-income countries: Ethiopia, Jamaica, Liberia, and Pakistan (Punjab Province). Some aspects of the pre-COVID-19 status quo which disfavored early childhood education have continued, including a lack of cohesive support from civil society and a greater focus by international partners on norm promotion and technical assistance than financing. In other respects, the pandemic put early childhood education at an even greater disadvantage. These include perceptions that early childhood education is less suited to distance delivery than other levels of education, concerns about young children’s ability to comply with health protocols, and competition with high-stakes examinations for education ministries’ attention. Previous country experience with pandemics (in Liberia) and a strong coordinating entity (in Jamaica) were mitigating factors. These results point to an urgent need to elevate priority for early childhood education in more normal times and to capture the lessons of COVID-19 to improve the resilience of early childhood education in future crises.

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\textbf{Introduction}

The COVID-19 pandemic is a shock to education systems without historical precedent. Approximately 1.5 billion children around the world have faced interruptions in their education due to school closures and rolling lockdowns (UNICEF, 2020b). During the first year of the pandemic, an estimated 167 million young children in 196 countries lost access to early childhood education (McCoy et al., 2021). Despite strong evidence that quality early learning experiences are critical to child well-being and lifelong human capital formation, there is a growing recognition in the international policy community that early childhood education is at a particular disadvantage relative to other levels of education during this crisis (Kim & Rose, 2020; Lopez Boo, Behrman & Vazquez, 2020; UNICEF, 2020b). Among other challenges, young children (0–8 years) are least able to independently take advantage of remote-learning opportunities, and both governments and households are likely to prioritize learning for older children (World Bank, 2020b). The World Bank (2020a) cautions that, “crisis-driven weakening of early childhood development and foundational learning...will mean lower learning trajectories for a whole generation” (p. 12).

Given these concerns about the impacts of COVID-19 for young children’s development and learning, it is critical to understand how to preserve political priority to early childhood education policy and provision during this crisis and as countries recover from it. Shiffman and Smith (2007) define political prioritization as “the degree to which international and national political leaders actively give attention to an issue, and back up that attention with the provision of financial, technical, and human resources that are commensurate with the severity of the issue” (p. 1370). Through a comparative policy analysis, this paper seeks to better understand which factors facilitate or impede efforts to maintain the political prioritization of early childhood education. Focusing on the experiences of Ethiopia, Jamaica, Liberia, and Punjab Province, Pakistan, the paper contributes to the existing literature on the risks of pandemics to early learning and to policy discussions about potential

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https://doi.org/10.1016/j.ecresq.2022.01.006
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strategies to mitigate the threats of COVID-19 and related crises to early learning opportunities, particularly in the Global South.

Risks of the pandemic to young children

The negative effects of the global health emergency and economic downturn on young children have been immediate and have the potential to be long-lasting (Tomlinson, Richter, & Slemming, 2021; Yoshikawa et al., 2020). As a result of COVID-19, maternal and child mortality and morbidity are predicted to increase dramatically. Young children are more likely to experience poverty and food insecurity, the loss or serious illness of a caregiver, and disruptions to essential services which put them at serious developmental risk (Yoshikawa et al., 2020). As the pandemic-induced financial crisis continues, at least 142 million more children in developing countries are expected to be pushed into household poverty (UNICEF, 2020a). According to analyses by UNICEF and Save the Children, the number of children without access to education, health care, housing, nutrition, water and/or sanitation services in low- and middle-income countries (LMICs) increased by 15 percent in 2020 (Save the Children & UNICEF, 2020). Rising hunger and malnutrition, violence in the home, child labor and delayed health care (e.g., immunizations, screenings, HIV/AIDS treatment) compound the short- and long-term risks to children’s development, health, and learning (Yoshikawa et al., 2020).

During the rapid brain development that takes place during the early years, young children are particularly sensitive to both positive and adverse influences in their environments (Benner & Mistry, 2020; Tomlinson et al., 2021). To prevent or mitigate the negative consequences of acute stress and cumulative health, nutrition and psycho-social adversities on young children, a multifaceted approach is needed (Desmond, Sherr, & Cluver, 2020; Yoshikawa et al., 2020). Alongside child-sensitive health and social protection policies,1 nurturing relationships with a trusted adult can help young children build resilience during this critical point in their development (Gromada, Richardson, & Rees, 2020; Tomlinson et al., 2021).

Without adequate government support, parents – and disproportionately mothers – have struggled to balance caregiving and paid employment (Gromada et al., 2020). As parents navigate the persistent stress and isolation of the pandemic, they report increased mental health challenges and child behavior problems (Yoshikawa et al., 2020). Stay-at-home orders, school closures, physical distancing, and quarantines have limited young children’s regular interactions with extended family members, teachers, and friends and reduced opportunities for cognitive and social stimulation outside the home (UNICEF, 2020h; Yoshikawa et al., 2020). Given the disproportionate health and economic impacts of the pandemic on low-income and more vulnerable families, COVID-19 will likely widen socioeconomic disparities in child development (Tomlinson et al., 2021; Yoshikawa et al., 2020).

Lessons from previous shocks

While there are limited studies about the influence of both the current and previous pandemics on the health and well-being of young children, life course theory and evidence from other shocks suggest that we should be concerned about the long-term implications of early life exposure to the COVID-19 pandemic (Benner & Mistry, 2020). Longitudinal tracking of individuals who were conceived, in utero, or in early childhood during previous pandemics (e.g., 1918/19 influenza, HIV/AIDS, epidemics (e.g., Severe Acute Respiratory Syndrome, Ebola), natural disasters (e.g., earthquakes and floods), and famines (e.g., 1959–61 Chinese famine, Dutch hunger winter) provides some insight. This research suggests that prenatal and early childhood exposure to shocks is associated with life-long negative consequences, including lower educational attainment and lifelong earnings, as well as both health (e.g., obesity and noncommunicable diseases) and mental health problems (e.g., depression, schizophrenia) (Lopez Boo et al., 2020; Shumba et al., 2020; Yoshikawa et al., 2020).

Although the world has yet to experience a dual health and educational crisis of the current magnitude, some research on previous school closures (e.g., teacher strikes in Argentina in the early 1980s; severe flooding in Thailand in 2011) has found that lost learning time has the greatest effect on younger students (i.e., elementary school age) (Aideman, 2020). Children from more disadvantaged backgrounds also are more vulnerable to the threat of school closures to human capital accumulation. Research carried out after the Ebola crisis in West Africa, for example, found that girls were less likely to return to school (Malala Fund, 2020). After the 2005 earthquake in Pakistan, children ages 3–14 who lived closer to the fault line lost the equivalent to 1.5 grades of learning compared to those living further away. Learning losses were concentrated among children from less-educated, low-income families and were estimated to translate into a lifetime decrease in earnings of 15 percent (Andrabi, Daniels & Das, 2020).

The pandemic and early childhood education

The pandemic is likely to exacerbate existing inequalities in access to and quality of early childhood education provision, particularly in LMICs where resources are constrained and early childhood education systems are less established. Before COVID-19 hit, more than 80 percent of children were enrolled in preschool in high-income countries compared to only 20 percent in low-income countries (UNICEF, 2019). Despite the global expansion of early learning opportunities over the past 2 decades, around 175 million children lacked access to pre-primary education, with families from lower socioeconomic backgrounds and those living in more rural areas more likely to be excluded (UNICEF, 2019). Even before the pandemic, the lack of affordable, quality, accessible early care and education services led many parents to leave young children in environments that were not safe and enriching (Devercelli & Beaton-Day, 2020; Gromada et al., 2020).

With COVID-19 lockdowns leading to the closures of child-care and early education services – some temporary, some permanent – at least 40 million children worldwide have missed out on early childhood education in their critical pre-school year (Gromada et al., 2020).2 Pre-primary children in LMICs lost an average of 106 days of instruction in 2020 (Nugroho, Jeon, Kamei, & Lopez Boo, 2021). An estimated 35 million children of pre-primary age were still affected by national school closures in December 2020 (UNESCO, 2020). More than 60 countries had not fully reopened their pre-primary schools by the middle of 2021 (Nugroho et al., 2021). McCoy et al. (2021) predict that school disruptions in the first year of the pandemic will result in almost 11 million more children falling developmentally off track, with the greatest increases in low- and lower middle-income countries.

Even in countries where schools have reopened, local and intermittent closures are expected to continue (UNESCO et al., 2020b). In addition to the likely negative impact of school closures on school readiness and learning continuity, children may miss out on school meals and other supportive services (Borkowski et al., 2021;

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1 Child-sensitive interventions include emergency food provision, health care, child benefits/cash transfers, parent support.

2 More than 180 million children had their pre-primary schooling disrupted at the peak of COVID-19 school closures in April 2020 (Nugroho et al., 2020).
UNICEF, 2020b). There are also concerns that more disadvantaged children may not return to early childhood education due to financial barriers. In LMICs, parents spend considerable resources on education overall, and pre-primary education is often fee-based. Families experiencing unemployment and economic hardship are likely to prioritize constrained household expenditures on their older children’s education (Al-Samarrai, Gangwar, & Gala, 2020). As a result of both supply and demand factors, UNESCO (2020) estimates that global enrollments at the pre-primary level could decline by nearly 3 percent.

These global disruptions to early learning are not only expected to impact recent gains in expanding access to pre-primary education, but also may yield lifelong consequences for children’s educational trajectories and well-being (Benner & Mistry, 2020; Tomlinson et al., 2021), including significant losses to their earnings as adults (Lopez Boo et al., 2020; McCoy et al., 2021). Lack of access to quality early childhood education is associated with delayed school entry, grade repetition and school dropout and lower educational achievement (Nadeau, Kataoka, Valerio, & Neuman, 2011; UNICEF, 2019). Disruptions to preschool participation during the first year of the pandemic is expected to be associated with significant learning losses by adolescence (McCoy et al., 2021). UNICEF estimates that the cost of pre-primary school closures in 2020 could lead to $1.6 trillion in lost earnings over young children’s lifetimes (Nugroho et al., 2021). In their simulations of the economic costs of preschool closures in 140 countries, Lopez Boo et al. (2020) estimate that the median losses of a 6-month gap in pre-primary program participation to be about 3 percent of Gross Domestic Product (GDP) in high-income and upper-middle income countries and closer to 1–2 percent of GDP in lower-income countries, where initial enrollments were lower (Lopez Boo et al., 2020).

Given that school closures in some countries have continued for more than a year, further losses in learning and earnings are expected.

Unequal access to technology and limited distance learning options have magnified the impacts of this crisis for the most vulnerable young children. While almost all countries around the world responded to the education crisis by offering digital and broadcast distance learning for primary and secondary education, only two-thirds included pre-primary students. Pre-primary teachers also are less likely to receive training and support in offering distance learning compared to their primary school counterparts (Nugroho, Lin, Borisova, Nieto, & Ntekim, 2020).

In a 2020 UNESCO, UNICEF, World Bank survey of 122 ministries of education, 73 countries reported that they provided one or more remote learning modalities for pre-primary students (Nugroho et al., 2020). Even though early learners lost more instructional days than older children (Nugroho et al., 2021), countries were less likely to provide distance learning options, across different media, for early childhood education than for other levels of education (see Table 1). There is limited information on how many young children regularly accessed these options. As with older children, challenges in reaching preschoolers in more rural and disadvantaged communities are expected. Only about 30 percent of pre-primary students globally are estimated to be reachable by online or broadcast learning, compared to 70 percent of primary students and more than 80 percent of upper-secondary students (Nugroho et al., 2020).

Unlike older students, young children typically cannot participate in distance learning without assistance from a parent or other caregiver (Gayatri, 2020). Equally concerning, less than half of the countries in the aforementioned survey reported providing guidance or materials to help parents and caregivers support young children’s learning at home during school closures (Nugroho et al., 2020). Countries were also less likely to report having a plan for nation-wide reopening of early childhood education compared to primary and secondary education (UNESCO et al., 2020a). They are were less likely to assess young children’s learning losses, and to offer remediation measures and support when children returned to in-person pre-primary classes (Nugroho et al., 2021).

The COVID-19 pandemic is expected to threaten education provision and financing, not only through the immediate effects of school closures, but also through the longer-term impacts of the pandemic-induced economic recession (World Bank, 2020b). During previous economic crises, governments responded to budget shortfalls by reducing per capita student spending. Donor assistance to education has only recently recovered from the last global recession. The World Bank warns of a triple shock to education financing driven by stagnating or declining contributions from national governments, households, and international donors (Al-Sammarai et al., 2020). One in 5 ministries of education surveyed in 2020 reported cutting their education sector budgets, and more than half have reallocated existing funds to cover COVID-19 related costs (UNESCO et al., 2020b).

Financing for early childhood education may be particularly vulnerable given that the sub-sector is persistently neglected by governments and donors. Even before the pandemic, aid for preprimary education made up only 0.5 percent of total education aid in 2017, and levels declined from 2015 to 2017 (Zubairi & Rose, 2019). Although investment in early learning is critical for building efficient and effective education systems, low-income countries spent only 2 percent of their overall pre-pandemic education budgets on the preprimary sub-sector (UNICEF, 2019). There is emerging evidence that countries are prioritizing the financing and provision of other levels of education over the early years, which threatens to stall or even reverse the slow and steady progress made in the sub-sector over the past decade (Nugroho et al., 2020).

Analytical framework

To study the extent to which early childhood education has appeared on national political agendas in LMICs during the pandemic, we applied a framework used primarily in global public health (Shiffman, 2007; Shiffman & Smith, 2007) that was adapted for the early childhood education context by Neuman and Powers (2021). The framework highlights 5 factors that shape political priority, as summarized in Table 2.

We applied this adapted political prioritization framework to the specific context of the COVID-19 pandemic in 4 LMICs: Ethiopia, Jamaica, Liberia, and Pakistan (Punjab Province). As discussed in more detail below, preschools and schools in these countries all closed in mid-March 2020 and progressively reopened from June 2020 to March 2021. Through a comparative qualitative policy analysis, we investigated how Ministries of Education in the focus countries have prioritized (or failed to prioritize) early childhood education in their measures around coping with the initial impact of the pandemic and associated school closures; managing continuity as the “new normal” of remote learning and intermittent school closures set in; and efforts to accelerate improvement in education systems by taking advantage of crisis-induced innovations (World Bank, 2020b).

Even pre-pandemic, the political economy conditions to support sustained commitment to early childhood education were only partially present in these focus countries. A previous comparative analysis of Ethiopia, Liberia, Pakistan (Punjab Province), and Tanzania found strong rhetorical commitment to early learning but a lack of sustained follow-through and resource provision (Neuman & Powers, 2021). Two sets of factors were most decisive to plac-

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3 These modalities include: online learning platforms, television, radio, take-home materials, or mobile phone. Schools remained open in another 10 countries (Nugroho et al., 2020).
ing early childhood education on national political agendas between 2010 and 2020. First, national policymakers responded to global efforts to advance early childhood development, including goal setting, technical assistance, and to a limited degree funding. Second, ideas about the benefits of early childhood education gained significant traction in these countries. With few exceptions, however, civil society mobilization around early childhood education was relatively weak. Significant focusing events around early childhood education were rare, and high-level political champions were uncommon. Using this earlier analysis as a baseline, the paper takes stock of the extent to which government prioritization of early childhood education has strengthened or weakened in the context of the pandemic and which factors appear most decisive in these changes.

Methods

Research questions

We focus on 3 primary research questions:

1) To what extent have young learners been prioritized during school closures and reopening plans? What political and resource commitments have been made to support continuity of early learning?

2) How has political priority for early childhood education changed during the COVID-19 pandemic relative to pre-pandemic times?

3) Why is early childhood education less likely to be prioritized than other levels of education? Which political-economic factors shape the level of attention to early childhood education during the pandemic?

Data sources

The data for the paper come from a rapid, coordinated cross-country research effort on the implications of the COVID-19 pandemic for early childhood education systems under the auspices of the Early Learning Partnership Systems Research program. Managed by the World Bank and financed by the Government of the United Kingdom, the program supported country research teams working in Ethiopia, Jamaica, Liberia, the province of Punjab, Pakistan, and Tanzania. These country research teams conducted early learning system diagnostics in each country and evaluations of system-level interventions between 2017 and 2021.

The countries were selected for the Early Learning Partnership Systems Research program on the basis of the potential impact of the research, judged by the presence of ongoing or prospective scale-up of early childhood education services, policymaker demand for the research, and the presence of potential local research and implementation partners. As noted in Neuman and Powers (2021), this tends to lead prima facie to a sample of countries with relatively favorable conditions for prioritization of early childhood education. The country set in this paper differs slightly from the countries analyzed previously due to a change in the focus countries between Phase 1 and Phase 2 of the research program. The work in Tanzania did not continue in Phase 2 due to changes in the country context, while a new focus country, Jamaica, was added.

Between September 2020 and February 2021, the 4 country research teams collected data from: (a) reviews of government policies, plans, and other relevant documents (e.g., news articles) and (b) semi-structured phone interviews with key government, school, and civil-society informants. These findings were synthesized into country reports organized around 6 themes: prioritization; coherence of response; learning at home; teachers; equity; and return to school. Given that this is an evolving policy area, we complemented the country research team data collection with a targeted set of semi-structured interviews to fill in data gaps, particularly those related to recent policy developments.

Data analysis

Using the rubric developed for our previous analysis, we classified the degree to which each of the 13 factors is present and influential in each of the 4 cases (see Table S1). The rubric uses a

| Table 1 |
|---------------------|---------------------|---------------------|---------------------|
| Countries are less likely to provide distance learning options for early childhood education across all media. |
| Percentage of countries offering distance learning by medium and level | Early Childhood Education | Primary | Lower Secondary | Upper Secondary |
| Radio | 28 | 46 | 36 | 34 |
| TV | 42 | 61 | 66 | 65 |
| Online | 51 | 81 | 84 | 86 |
| Paper-Based | 40 | 59 | 55 | 53 |
| Note: Authors’ calculations of UNESCO et al., 2020 data. |

| Table 2 |
|---------------------|---------------------|
| Overview of 5 categories shaping political priority, as adapted for early childhood education. |
| Category | Key questions in the COVID-19 context |
| Transnational influence | To what extent do international organizations promote prioritization of early childhood education by governments in the context of COVID-19, including through global norm setting, technical assistance, and financial resources? |
| Actor power | To what extent are actors engaged with early childhood education - including national political champions, guiding institutions, policy communities, and civil society - a strong and cohesive force in promoting early childhood education as a priority? |
| Ideas | How are COVID-era challenges and solutions for early childhood education understood and framed by political actors? How do the ideas themselves and the presence or absence of a consensus affect political attention to early childhood education? |
| Political contexts | How do features of the political environment – including major political changes, focusing events, and competing policy priorities – affect the prioritization of early childhood education in the COVID-19 context? |
| Issue characteristics | How is political prioritization affected by the features of the problem itself that is, maintaining quality, equitable early childhood education in the pandemic context? This includes the availability of indicators on the severity of pandemic-related challenges (e.g., access to distance learning methodologies in early childhood education) and the presence or absence of scalable and cost-effective solutions? |
Table 3
Factors influencing the degree to which early childhood education appeared on national policy agendas before and during the COVID-19 pandemic.

| Categories       | Factors                                      | Ethiopia Pre-COVID | COVID era | Liberia Pre-COVID | COVID era | Punjab, Pakistan Pre-COVID | COVID era | Jamaica Pre-COVID | COVID era |
|------------------|----------------------------------------------|---------------------|-----------|-------------------|-----------|-----------------------------|-----------|-------------------|-----------|
| Transnational    | Global norm promotion                        | ++                  | ++        | ++                | ++        | ++                          | ++        | ++                | ++        |
| Influence        | External resource provision                  | ++                  | ++        | ++                | ++        | ++                          | ++        | ++                | ++        |
|                  | Policy community cohesion                    | ++                  | *         | ++                | ++        | ++                          | ++        | ++                | ++        |
|                  | National political entrepreneurship           | ++                  | *         | ++                | ++        | ++                          | ++        | ++                | ++        |
|                  | Guiding Institutions                         | ++                  | *         | ++                | ++        | ++                          | ++        | ++                | ++        |
|                  | Civil Society Mobilization                   | ++                  | *         | ++                | ++        | ++                          | ++        | ++                | ++        |
| Ideas             | External frame                               | ***                 | *         | ++                | ++        | ++                          | ++        | ++                | ++        |
|                  | Internal frame                               | ***                 | *         | ++                | ++        | ++                          | ++        | ++                | ++        |
| Political        | Political transitions                        | ++                  | ***       | ++                | ***       | ++                          | ***       | ++                | ***       |
|                  | Competing priorities                         | *                   | *         | ++                | ++        | ++                          | ++        | ++                | ++        |
|                  | Focusing events                              | **                  | *         | ++                | ++        | ++                          | ++        | ++                | ++        |
| Issue            | Credible indicators                          | ***                 | *         | ++                | ++        | ++                          | ++        | ++                | ++        |
| Characteristics  | Effective interventions                      | ++                  | *         | ++                | ++        | ++                          | ++        | ++                | ++        |

* Pre-COVID ratings are from Neuman and Powers (2021). As Jamaica was not included in the earlier analysis, pre-COVID ratings are not included.

The previous analysis noted differences in this factor between the present day and recent past. Historically, rating was high in Liberia due to the political entrepreneurship by Ellen Johnson Sirleaf during her presidency.

Historically, the rating was low in Punjab, Pakistan.

The previous analysis noted differences in this factor between national and regional levels. At the regional level in Liberia, the rating was medium.

At the district level in Punjab, the rating was low.

Table 4
Overview of early childhood education provision in the 4 case countries prior to the COVID-19 pandemic.

| Category                                    | Ethiopia | Jamaica | Liberia | Punjab (Punjab Province) |
|---------------------------------------------|----------|---------|---------|--------------------------|
| Main types of early childhood education provision | Non-governmental organization-sponsored, privately owned, community, and government-subsidized pre-schools. The public O-Class is an optional, fee-free Reception year before children enter Grade 1. | Community operated basic schools, government infant schools, and kindergarten classes of privately owned preparatory schools. | Government, community-based or private preschools. Although the national early childhood education framework stipulates 2 yr of early childhood education, schools offer between 1–3 years of early childhood education classes in practice. | State financed Government schools, Public Private Partnerships, early childhood education run by non-profit and for-profit private organizations. The Katchi class is a grade prior to formal schooling. |
| Target ages                                 | 5–6      | 3–5     | 3–5     | 3–5                      |
| Pre-primary education Gross enrollment Ratio (GER) | 47% (2019) | 76.2% (2019) | 125.2% (2017) | 39% (2019) |
| Main government institution responsible      | Ministry of Education | The Early Childhood Commission within the Ministry of Education, Youth, and Information | Bureau for Early Childhood Education in the Ministry of Education | The School Education Department |
| Is it Fee Free?                              | Yes      | Yes     | No      | Yes                      |
| Is it Compulsory?                            | No       | No      | No      | Yes                      |

Sources: Janil, Anderson, Aslam, & Saeed, 2019; Jones, Brown, and Brown, 2011; Oxford Policy Management, 2019; Rossiter et al., 2018; World Bank EdStats database.

3-point scale: low (*), medium (**), or high (***) Given that we collected and analyzed data at 2 time points for 3 of the 4 countries, we were able to use the pre-COVID-19 assessment as a baseline and compare it with the current situation (see Table 3). Due to the timing of our data collection, our analysis focuses on the first year of the pandemic.

Evolving policy responses to the pandemic

Table 4 provides an overview of early childhood education policy and provision in the 4 focus countries prior to the pandemic. In the following section, we discuss the timing and nature of government responses, with a focus on the implications for early childhood education from March 2020 to March 2021.

Ethiopia

The Government of Ethiopia closed all schools on March 15, 2020, affecting more than 26 million learners, including 3.2 million young children who were participating in pre-primary education. The Ministry of Education prepared a COVID-19 Emergency Response Plan, which detailed strategies to: support learning during school closure; raise awareness about COVID-19 and the need to keep children at home; prepare for safe reopening of schools; and support the recovery of the education system once schools reopen (Ministry of Federal Education & Professional Training, 2020). The government’s pandemic response has focused more on primary and secondary education than on younger children. For example, there is only 1 mention of preschool learners in the COVID-19 Emergency Response Plan, and educational radio programs delivered during school closures did not include early childhood education content. Even simple measures by the educational system to ensure continuity of learning – such as communication between schools and caregivers during school closures – were largely absent. In a recent survey, only 12 percent of caregivers reported using radio lessons with their young children while schools were closed (Kim & Rose, 2020).

A phased reopening took place between October 19 and November 9, 2020, beginning with about 17,000 schools, mainly in rural areas. In the second phase, schools in regional towns and zones reopened, followed by schools in Addis Ababa and the surrounding zones of Oromia in phase 3 (UNICEF Ethiopia, 2020).
The government guidelines prioritized students in grades 8 and 12, who needed to sit for the national examinations, followed by younger learners.

Jamaica

Jamaica’s schools, including early childhood institutions, closed nationwide on March 13, 2020. The Early Childhood Commission, an agency of the Ministry of Education, Youth, and Information, established a dedicated “COVID corner” webpage with resources and daily lesson plans for parents of children 0–5 years old. The government pursued a range of strategies to ensure continuity of learning, including radio and TV programs targeted to early childhood, and distribution of printed materials to areas with poor internet access. With support from the Commission, early childhood teachers maintained regular contact with parents through WhatsApp (Early Childhood Commission, 2020).

A partial reopening was initially scheduled for September 2020, but postponed to October due to fears of an infection surge following Jamaica’s September 3 general elections, which used early childhood institutions and other schools as polling places. As of January 2021, 436 institutions (of approximately 2700) had reopened for hybrid face-to-face and online instruction. The pace of reopening was affected by a backlog of Ministry of Health assessments that were required for schools to reopen. In response to a surge in COVID-19 cases, the Minister of Education, Youth and Information closed schools again from February to November 2021. In person learning continued only for students preparing for exit exams in grades 6, 11, 12, and 13. Early childhood institutions were allowed to remain open as long as they followed mitigation measures to prevent the spread of the virus (Early Childhood Commission, 2021).

Liberia

The Ministry of Education in Liberia announced the suspension of classes at all educational institutions on March 16, 2020. The announcement anticipated a 2-week closure in response to a temporary health crisis, but by the end of that period official communications recognized that school closures would continue indefinitely. The Education Cluster, a forum for development partners to coordinate assistance in humanitarian crises, was re-launched. The government also began to broadcast distance learning programs on the radio, building on strategies and resources the Ministry of Education had developed during the 2014–2016 Ebola virus outbreak. The radio programs included early childhood, but made no distinction between different levels of early childhood education, which officially has a 4-year curriculum in Liberia (Jeffery & McLaren, 2021).

In May 2020, the Ministry’s COVID-19 Education Emergency Response Plan identified early childhood education as facing unique challenges, given the difficulty of delivering social and play-based learning remotely. The Plan also outlines 7 priorities under a long-term system strengthening recovery plan, of which 2 relate explicitly to early childhood education: assessments for school readiness and professional development for all teachers, including those in early childhood education. However, early childhood education is not mentioned explicitly in the plan’s budget or costing framework (Jeffery & McLaren, 2021).

In June 2020, the government announced the reopening of schools for grade 12, so that students could prepare for regional examinations, followed by grades 6–9 and then grades 10–11. The government decided that early childhood education through Grade 5 would reopen only with the new academic year in November 2020. In the interim, the Ministry tasked early childhood and primary school teachers with preparing materials for children to use at home. Ultimately, young children did not return to school until December 2020 (Jeffery & McLaren, 2021).

Pakistan (Punjab province)

On March 13, 2020, the federal government of Pakistan closed all public and private educational institutions, affecting 40 million learners. The National Education Response and Resilience Plan for COVID-19 provides a framework of strategies and interventions to cope with the effects of the pandemic (Ministry of Federal Education & Professional Training, 2020). Although the plan covers pre-primary to higher secondary education, there is minimal attention to early childhood education. During initial school closures, the federal government launched the Teleschool Initiative in collaboration with leading education technology providers to broadcast free learning content to grades 1–12 students (Kashif & Khan, 2020). Early childhood education content was developed for television and radio through it was generally inaccessible in rural areas (Idara-e-Taleem-o-Aagahi, 2021). Guided by the federal plan and guidelines, the provincial Ministers of Education lead the education response and coordination of task forces/committees for their provinces.

A phased national reopening of schools began in September 2020, starting with Classes 9 and 10, and colleges and universities followed by secondary and primary education. In the hybrid approach, half of students attended on alternate days. After only 6 weeks, schools closed again and shifted to home learning. In December 2020, the government launched its first Radioschool to expand outreach to students during the second round of school closures. A second national reopening began in January 2021. In Punjab, classes 9–12 reopened on January 18, and early childhood education through Grade 8 reopened January 25 on a hybrid basis. As of early March 2021, all students attended full-time. However, schools have closed again intermittently as subsequent waves of the pandemic arrived in Pakistan.

Results

The comparative analysis of the 4 focus countries is organized around the 5 categories in the analytical framework presented earlier: (a) transnational influence, (b) actor power, (c) ideas, (d) political contexts, and (e) issue characteristics. Where data are available, we highlight the extent to which political prioritization of early childhood education changed before and after the start of the pandemic in each focus country.

Transnational influence

Transnational influence refers to the role of international organizations in encouraging national governments to prioritize early childhood education in response to the pandemic through the promotion of global norms and the provision of technical and financial resources. As lockdowns began and schools closed around the world, the international community quickly mobilized to raise awareness about the needs of young children and potential strategies to support families, such as distance learning approaches. Global efforts to raise the visibility of early childhood included rapid research, position statements, guidance notes, and documentation of promising practices. These global goods were developed and disseminated by the Early Childhood Development Action Network, regional early childhood networks, UNICEF, the World Bank, UNESCO, the World Health Organization, and others. There is limited evidence to date that global efforts shaped national government responses. For example, UNICEF, the World Bank, and UNESCO jointly issued Guidance on Reopening Early Childhood Settings in September 2020 (UNICEF, 2020a). However, government plans
in the focus countries did not reference this guidance and were not fully aligned with it. Due to the rapidly evolving situation and competing priorities (discussed under Issue Characteristics), it is likely that there was little time and opportunity for global norms to influence national policy debates and decisions compared with pre-pandemic times.

In Ethiopia, Liberia, and Punjab, development partners, as part of the local education groups in these countries, contributed technical and financial support to the development of the governments’ COVID-19 education response plans. As noted earlier, none of these plans accord more than minimal attention to young children and early childhood education provision. In terms of external resource provision, the international actors that were proponents of early learning prior to the pandemic (e.g., UNICEF. Save the Children, World Bank, the UK, and others) continued their support to the sub-sector as part of their COVID-19 responses through a combination of reallocating existing financing and providing new emergency resources. As this financing was aligned with government priorities, early childhood education did not receive significant support. To partially address the limited attention to early childhood education in existing distance learning plans, 2 of the focus countries received small grants from the World Bank’s Early Learning Partnership to develop radio messages for parents (Ethiopia) and television content for young children (Punjab) (World Bank, 2020a).

The education system in Jamaica is less dependent on external assistance than the other 3 countries. Development partners like UNICEF and PACE Canada complemented the government’s pandemic response efforts. For example, UNICEF supported the delivery of 1100 early childhood play and learn packs to children under 6 in quarantined zones, and the development of a free online virtual instructional school leadership course taken by more than 1200 school leaders. UNICEF established a parent helpline and created public service announcements on COVID-19, including a series for parents of children with disabilities, as well as an Instagram live with a well-known developmental pediatrician (UNICEF Jamaica, 2020).

**Actor power**

Actor power considers the degree to which individuals and organizations are engaged in promoting early childhood education as a priority during the pandemic. Specifically, the strength of 4 factors - policy community cohesion, national political entrepreneurship, guiding institutions, and civil society mobilization - are important for advancing a particular issue on the national policy agenda. Across the focus countries, there was limited coordination of the COVID-19 response among the main early learning stakeholders and few high-level leaders championing the issue. Prior to the pandemic, there was less civil society mobilization for early learning in Ethiopia and Liberia compared to Punjab and Jamaica, and this trend has continued during the COVID-19 response. Overall, development partners have focused more on emergency service delivery than influencing policymakers to prioritize policies and resources for early childhood education.

The policy communities for early childhood education - government officials, development partners, and others - have been relatively fragmented in their pandemic responses in Liberia and Ethiopia. Although the Education in Emergencies Committee in Liberia helped to create a shared narrative about the extent and nature of the challenges posed by the pandemic and school closures, development partners commonly acted autonomously, focusing on their own programming rather than on a coordinated COVID-19 response. The Early Childhood Education Bureau’s activities are significantly dependent on donor resources. Aside from Teaching by Radio, development partners supported a number of relatively small programs during school closures. The emphasis on early childhood education in these education initiatives was dependent on the reach and preferences of the development partner involved. Some of these initiatives, such as the Kids’ Educational Engagement Project, had a particular focus on early childhood education, but many did not (Jeffery & McLaren, 2021).

In contrast, in Punjab, a more unified pandemic response emerged with clear roles for the different government agencies and active civil society engagement. Although the School Education Department has been the apex institution for implementing early childhood education since 2017, the Project Monitoring and Implementation Unit of the Punjab Education Sector Reform Programme (PESRP) and the Quaid e Azam Academy for Educational Development are increasingly the major institutions engaged in governing early childhood education. While following directions set by the School Education Department and the Punjab government, both agencies were involved in the training of early childhood education teachers as well as collating data from the field to develop response strategies. In parallel, civil society organizations collaborated to generate evidence on the effects of the pandemic on early learning, led trainings and community mobilization sessions, and engaged the policy community through activities like webinars to encourage buy-in on early learning work during the pandemic (Idara-e-Taleem-o-Aagahi, 2021).

Jamaica stands out from the other cases for having strong guiding institutions which pay attention to early childhood education. The Early Childhood Commission provides cross-sectoral and multi-stakeholder governance structure for early childhood development. During the pandemic, the Education in Emergencies Committee set up to respond to the crisis developed recommendations on various areas including psychosocial, teacher training, educational progression, nutrition, and finance. This committee included representatives from the Commission and the Ministry of Education, as well as an early childhood institution principal, a board chair, and an educator. In addition, political entrepreneurs and civil society mobilization have helped maintain a focus on early childhood education. Jamaica is the only focus country where key informants identified a national champion for early childhood education during the crisis. Professor Maureen Samms-Vaughan, a globally renowned researcher at the University of the West Indies and former Chair of the Commission, initiated and led high-profile activities that helped raise the visibility and attention to young children during the pandemic, including a town hall which featured national and international experts. Samms-Vaughan also contributed to the national task force that developed the protocols for reopening the early childhood institutions.

Even in Jamaica, grassroots civil society and private sector organizations have focused more on service delivery than on pushing the government to act. The Commission has tried to play the coordinating role, but it has been challenging to keep up with the many local responses to the pandemic. While grassroots initiatives seek to address immediate community needs, they can also influence public policy. As one example, a local entrepreneur set up “community blackboards” in inner-city communities to teach children who are not able to access other activities. The project quickly garnered support from UNICEF and other organizations and companies, and more recently from the Ministry of Education, Youth, and Information (Mckoy Phipps, 2020).

**Ideas**

Globally, early childhood proponents have faced difficulties in portraying the issue (external frame) in a way that resonates with political leaders who control resources. At the national level, the role of ideas in the political prioritization of early learning varies across contexts. Prior to the pandemic, for example, early child-
hood education struggled for public visibility in Liberia, whereas a strong and compelling case for early learning had attracted a recent increase in political attention and resources in Ethiopia. When COVID-19 hit, awareness of the importance of the early years persisted in Ethiopia, but it seems that the framing of the issue was insufficiently compelling to translate into greater prioritization. In Liberia, key informants viewed the place of early learning in the COVID-19 response as similar to its place in the pre-COVID-19 system: not completely neglected, yet not prioritized, with a sense of regret that more could not be done (Jeffery & McLaren, 2021).

Another way that ideas can shape prioritization is the extent of policy community agreement on the definition and causes of the problem and preferred solutions (internal frame). Across countries, there seems to be a general understanding that (a) young children are less susceptible to the worst consequences of the virus and (b) stay-at-home orders and preschool closures are likely to be detrimental to their learning. In contrast, there has been less consensus among those involved in making education policy decisions about what solutions would be best for young children – how to deliver effective distance learning for preschoolers as well as how to reopen schools safely while mitigating further learning losses. This fragmentation made it difficult for governments to mount a strong and coherent response during school closures as well as in reopening plans.

In Liberia, for example, the Education Response Plan noted that during school closures: “Young pre-school aged children are also likely to miss out given that their social and play-based learning style is not easily supported through distance learning” (p.14). During the Ebola epidemic, most children did not participate in distance learning, and teaching by radio had limited reach in certain regions. There were similar concerns about whether and how to effectively reach young children during COVID-19 school closures. At the same time, there was a perception that pre-primary students would have the greatest difficulty complying with health regulations, and thus posed the greatest risk of transmitting the virus when schools reopened (Jeffery & McLaren, 2021). Development partners in Ethiopia also raised these concerns. Ultimately, young children were underserved by distance learning and were among the last to return to school.

In Punjab, where early childhood education is gradually being mainstreamed into the education system, the official reopening policy originally did not mention early childhood education at all; many schools kept younger children home until they received clarification from the government. As schools reopened, children initially returned on alternate days to reduce classroom density and allow for physical distancing even though headteachers and parents preferred daily attendance to address learning losses.4 Concerns about these learning losses also led teachers, headteachers and district officials to disagree with the policy of children advancing from early childhood education to the next grade (Idara-e-Taleem-o-Aagahi, 2021) (see Issue Characteristics for further discussion on reopening of schools).

**Political contexts**

Changes in political contexts, including political transitions and focusing events, did not notably aid or hinder prioritization of early childhood education during the first months of the COVID-19 emergency, given the relatively short time horizon and the all-consuming nature of the pandemic itself as an event. Jamaica held general elections on September 3, 2020 which returned the incumbent government – led by Prime Minister Andrew Holness, a previous Minister of Education – to power. The new Minister of Education, Fayval Williams, had previously been Minister of Science, Energy, and Technology. Some key informants noted that the new minister’s priorities were accordingly focused on skills for science and technology, but that the institutional strength of Early Childhood Commission ensured a continuity of prioritization for early childhood education.

Across all countries, early childhood education’s priority suffered from the competing priority of preparing students to take high-stakes examinations. Of 116 countries that responded to UNESCO, UNICEF and the World Bank’s (2020) survey, only 6 countries with high-stakes examinations at the end of the secondary cycle reported canceling them outright in 2020, and 11 reported introducing alternative assessments. The majority of countries either postponed the examinations or implemented them with some combination of staggered administration, social distancing, and reduced curricular content. In Liberia, the government decided in June 2020 to reopen schools immediately for older grades in preparation for regional examinations, while the return to school for ECE through Grade 5 would wait for the next academic year. In Jamaica, the Ministry prioritized students preparing for the Primary Exit Profile examination, which determines placement in selective secondary schools, and for regional examinations such as the Caribbean Secondary Education Certificate. Key informants in Ethiopia and the Punjab also reported a government preference for focusing distance learning provision and school reopening for the students taking examinations most immediately.

**Issue characteristics**

The final category captures the extent to which the features of the policy challenge itself – maintaining continuity of learning in early childhood education during the pandemic – enable or impede its prioritization by policymakers. The availability and strategic deployment of credible indicators facilitates recognition of the issue as a problem and enables actors to monitor progress toward addressing it. The availability of effective interventions also favors political prioritization; it is easier for an issue to gain traction when cost-effective, readily implementable, and evidence-based solutions are available.

The primary sources of relevant data were prepandemic household surveys on availability of information and communication technologies (e.g., mobile phones, radio, television) and, in some countries, household phone surveys launched after the pandemic began. In Ethiopia, researchers financed by Research on Improving Systems in Education and the Early Learning Partnership mobilized data within weeks of school closures to demonstrate low and unequal access to radio and mobile phone technology, as well as possible constraints to parents in supporting learning at home (Kim & Rose, 2020). The same group completed a caregiver phone survey in August and September of 2020. They documented limited access to children’s books in homes, continued large urban/rural divisions in access to technology, very little contact between schools and parents, and increases in behavioral problems among young children (Kim, Rose, Woldehanna, Hailu, & Araya, 2020). However, in Ethiopia’s case the lack of effective interventions seems to have impeded government action on these issues. The lack of an existing platform for distance learning in early childhood education was a major challenge, in contrast to primary education where radio programming already existed and could be adapted to the pandemic context.

In Liberia, by contrast, data were not readily available, but the country’s previous experience with distance learning during the Ebola crisis provided a head start on interventions. Public documents on the education response make few references to data, although the Emergency Response Plan makes reference to collection

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4 While schools opened full-time in early March 2021, they have continued to close intermittently in response to new waves of the pandemic.
of data and a monitoring and evaluation strategy. Among key informants, there was a consensus that radio-based early childhood education programming was a necessary effort to provide some level of service under difficult circumstances, and that the development of both materials and experience during the Ebola crisis was critical. However, the limitations of the medium meant that radio was not seen as a good substitute for in-person instruction. Key informants noted that the child-centered and play-based methodologies desired for early learning translate poorly to radio, and limited access for rural and poor families compounded existing inequities in service provision (Jeffery & McLaren, 2021).

In Jamaica, the COVID-19 response in early childhood education benefited both from greater availability of credible indicators and a wider variety of available interventions. Data sources included follow-up phone interviews with a subsample of households from JAKIDS, a long-running birth cohort study, conducted from April to June 2020; and a UNICEF study of a random sample of households with at least 1 child, conducted in June and July 2020 (Samms-Vaughan & Pellington, 2021). Parents of young children were much more likely to report receiving educational materials from school “few or no days per week” relative to parents of primary- and secondary-age children. The surveys also surfaced concerns about equity of access, insufficient support for home-based learning, and increasing levels of violence. At the same time, the response benefited more than in the other countries from existing resources which could be leveraged for continuity of learning. For example, WhatsApp was already in widespread use for parent-teacher communication, so teachers were able to continue using the medium to share learning materials and encouragement for home-based learning activities. The Early Childhood Commission used this network as well as its social media presence to direct parents to a dedicated webpage for children 0-5 years old (https://ecc.gov.jm/covid-19-corner/) with lesson plans, storytelling and tips for parents.

Discussion

Across many factors, the conditions for prioritization of early childhood education during the first year of the pandemic represented a continuation of the status quo, which resulted in relatively low prioritization in these 4 countries/regions. Both before and during the crisis, resource provision from donors and international organizations consisted of technical support and a modest degree of financial resources, relative to basic education. Civil society mobilization has continued to be low in most countries, and political transitions have not elevated learning as an issue.

For several factors, COVID-19 worsened conditions in a way which particularly disfavored early childhood education. In terms of both Ideas and Issue Characteristics, distance-learning methodologies were seen as particularly ill-suited to younger children. These perceptions were based on both their shorter attention spans and limited ability to use the technology, and their developmental needs which favor more social and play-based learning environments. At the same time, the perception of young children’s lower capacity for compliance with masking and social distancing requirements made early learners less of a priority in the return to school. In all countries, early childhood education suffered from competition for government attention with the levels of education preparing for high-stakes examinations.

The sheer urgency of the crisis also weakened several factors which previously had helped prioritize early childhood education. The promotion of global norms around early learning took many years of painstaking research and dialogue, which simply was not possible during the initial pandemic response. Previous household surveys on access to technology and, in some cases, rapid phone surveys provided indicators on the severity of the issue, but these were quite limited compared to the availability and richness of data in normal times. The COVID-19 pandemic crowd-cut potential focusing events around early childhood education, as events were canceled or repurposed to focus on the crisis itself. The fragmentation of policy communities increased as many donors and civil society organizations responded to the pandemic autonomously rather than as a cohesive force. There was also little time for policy entrepreneurs to emerge.

To the extent that there were mitigating factors supporting prioritization of early childhood education, these were more country-specific. Liberia’s response to COVID-19 clearly benefited from its relatively recent experience with distance delivery and school reopening following the 2014–2015 Ebola outbreak. During this last lengthy period of school closures, the government and development partners developed relevant radio content as well as some limited strategies for improving access. This experience equipped Liberia with ready-made resources which Ethiopia, another low-income country, did not have. Relative to the other focus countries, Jamaica has a more developed early childhood system generally, and the presence of a strong guiding institution with coordinating authority was an important enabling factor. The prominence of the Early Childhood Commission seems to have protected early childhood education from forces that might favor deprioritization, such as Ministries’ focus on technology-driven interventions and high-stakes examinations. Although even in Jamaica the response included more autonomous than coordinated action by development partners and civil society, the Commission was an important channel connecting parents and schools to various services and initiatives.

These findings help explain why, according to both our data and the global survey of Ministries of Education, countries were both less likely to provide distance learning options for early childhood education and less likely to have a plan for nationwide reopening of preschools. The impact of the pandemic on COVID-19 could be seen as another example of the “Matthew effect” (Merton, 1968). In conditions of crisis the political position of early childhood education, already weak relative to other levels of education and other government priorities, has deteriorated further. The COVID-19 shock could have opened a “policy window” for dramatic change in favor of early learning in our focus countries, if only it were positioned well to take advantage of this opportunity. Our analysis calls attention to the persistent neglect of early learning which undermines earlier investments by governments and development partners in expanding early childhood education access and quality.

There are 2 main implications of our study for prioritization of early childhood education during the ongoing crisis and its aftermath. First, our analysis of country responses during the first year of the pandemic underlines the need for governments to strengthen prioritization of early childhood education immediately and as part of their ongoing recovery efforts. As the health and economic situations improve, political champions and civil society organizations can help mobilize the policy community for young children to advocate for more national attention to early learning. This includes advocating for measures to mitigate the effects of the pandemic on young children’s development and learning and protecting the early childhood education sub-sector from budget cuts. As countries increasingly mainstream early childhood education into their education systems, donors should align their priorities and financing accordingly.

Second, it is important to learn from the pandemic experience so that countries are better prepared for future crises. Early childhood specialists within Ministries of Education should be represented in the preparation of emergency preparedness plans so that these documents include more attention to young children. Education systems need to track early development learning indicators.
upon children’s return to school to raise awareness of the impact of school closures and inform remediation efforts. Similarly, collecting and disseminating data on the reach and effectiveness of various distance learning modalities for young children will help ensure that the absence of effective, feasible interventions is not an excuse for inaction. As countries build the resilience of their education systems, the extent to which they include early childhood education in these efforts will determine whether early learning opportunities will be protected in future shocks or the next crisis will further erode the progress of the past decade.

Disclosure

Declaration of interest: None.

Acknowledgments

The authors gratefully acknowledge the collaboration of ELP Systems Research teams on whose fieldwork this paper was based, as well as the key informants who contributed time, information, and insights. Denise Bonsu and Chiara Nicastro provided excellent research assistance. Any errors are the responsibility of the authors.

This work was supported by the UK Foreign, Commonwealth, and Development Office (FCDO).

Supplementary materials

Supplementary material associated with this article can be found, in the online version, at doi:10.1016/j.ejcrse.2022.01.006.

References

Aldeman, C. (2020). Analysis: what lasting academic (and economic) effects could coronavirus shutdowns have on this generation of students? Some alarming data points from research on previous disasters. The 74. https://www.the74million.org/article/aldeman-what-lasting-academic-effects-will-coronavirus-school-shutdowns-have-on-students-research-on-previous-disasters-offers-some-clues/

Al-Samarrai, S., Gangwar, M., & Gala, P. (2020). The impact of the COVID-19 pandemic on education financing. Economic impact of COVID-19. Washington, DC: World Bank Group. https://openknowledge.worldbank.org/handle/10986/33739

Andrabi, T., Daniels, B., & Das, J. (2020). Human capital accumulation and disasters: evidence from the Pakistan earthquake of 2005: Research on Improving Systems of Education (RISE). Oxford: RISE Programme. https://doi.org/10.35489/RISE-RISE-WP-2020/035

Bennett, A. D., & Mistry, R. S. (2020). Child development during the COVID-19 pandemic through a life course theory lens. Child Development Perspectives, 14(4), 236–243. https://doi.org/10.1111/cdep.12387.

Borkowski, A., Ortiz Correa, J. S., Bundy, D. A. P., Burbano, C., Hayashi, C., Lloyd-Evans, E., & Reuge, N. (2021). COVID-19: missing more than a classroom. The impact of school closures on children’s nutrition (No. 2021–01; Innocenti Working Papers). Florence: UNICEF Office of Research-Innovations. https://www.unicef-irc.org/publications/11769-covid-19-missing-more-than-a-classroom-the-impact-of-school-closures-on-childrens-nutrition.html

Desmond, C., Sherr, L., & Cluver, L. (2020). Covid-19: accelerating recovery. Vulnerable Children and Youth Studies, 1–6. https://doi.org/10.1080/17450128.2020.1706731.

Devereux, A. E., & Beaton-Day, F. (2020). Better jobs and brighter futures: investing in childcare to build human capital. Washington, DC: World Bank Group. https://openknowledge.worldbank.org/handle/10986/35062

Early Childhood Coalition (2020). ECC implements measures to assist children during school closure as a result of COVID-19. https://ecg.gov.jsn/ecce-implements-measures-to-assist-children-during-school-closure-as-a-result-of-covid-19

Early Childhood Coalition (2021). Nurseries permitted to operate. https://ecg.gov.jsn/nurseries-permitted-to-operate/

Gayatri, M. (2020). The implementation of early childhood education in the time of COVID-19 pandemic: a systematic review. Humanities & Social Sciences Reviews, 9(4), 46–54. https://doi.org/10.8151/hssr.2020.8465

Gromada, A., Richardson, D., & Rees, G. (2020). Childcare in a global crisis: the impact of COVID-19 on work and family life [Innocenti Research Brief]. Florence: UNICEF Office of Research – Innovations. https://www.unicef-irc.org/publications/1109-childcare-in-a-global-crisis-the-impact-of-covid-19-on-work-and-family-life.html

Idara-e-Taleem-o-Aagahi. (2021). ELP COVID-19 Impact Research – Qualitative Research. Unpublished manuscript.

Jamal, B., Anderson, K., Aslam, M., & Sared, S. (2019). Quality, equity and governance for early years: lessons from the Punjab, Pakistan. Early Learning Partnership. Lahore: Idara-e-Taleem-o-Aagahi.

Jeffery, D., & McLaren, L. (2020). Early Learning Partnership systems research COVID-19 response: Liberia. Oxford: Oxford Policy Management.

Jones, J., Brown, A., & Brown, J. (2011). Caring and learning together: A case study of Jamaica. Paris: UNESCO. https://unesdoc.unesco.org/ark:/48223/pf0000191327

Kashri, J., & Khan, S. (2020). Coming together like never before to fight COVID-19 in Pakistan. End Poverty in South Asia. https://blogs.worldbank.org/endpovertynousouthasia/coming-together-never-fight-covid-19-pakistan.

Kim, J., & Rose, P. (2020). The threat of COVID-19 on Ethiopia’s recent gains in pre-primary education. The Education and Development Forum (UKFIE). https://www.ukfie.org/2020/the-threat-of-covid-19-on-ethiopias-recent-gains-in-pre-primary-education/

Kim, J., Rose, P., Woldehanna, T., Hailu, B. H., & Araya, M. (2020). Implications of COVID-19 for pre-primary education in Ethiopia: Perspectives of parents and caregivers. The Education and Development Forum (UKFIE). https://www.ukfie.org/2020/implications-of-covid-19-for-pre-primary-education-in-ethiopia-perspectives-of-parents-and-caregivers/

Lopez Boo, F., Behrman, J. R., & Vazquez, C. (2020). Economic costs of preprimary program reductions due to COVID-19 pandemic. Washington, DC: Inter-American Development Bank. https://publications.iadb.org/publications/english/document/Economic-Costs-of-Preprimary-Program-Reductions-due-to-COVID-19-Pandemic.pdf.

Malala Fund (2020). Girls’ education and COVID-19: What past shocks can teach us about mitigating the impacts of pandemics. Washington, DC: Malala Fund. https://malala.org/newsroom/archive/malala-fund-releases-report-education-covid/

McCoy, D. C., Cuartas, J., Behrman, J., Cappa, C., Heymann, J., Lopez Boo, F., & Fink, G. (2021). Global estimates of the impacts of COVID-19-related preprimary school closures for children’s instructional access, development, learning, and economic wellbeing. Child Development, 92(5), e399–e883. https://doi.org/10.1111/cdev.13658.

Mckipps, T. (2020). Community blackboards keep children learning. UNICEF Innocenti. https://www.unicef.org/icjme/2020/12/2020-pandemic.pdf

Ndege, J., Jeon, Y., Kamei, A., & Lopez Boo, F. (2021). It’s not too late to act on early learning: understanding and recovering from the impact of preprimary education closures during COVID-19 (Innocenti research brief no. 2021–03). Florence: UNICEF Office of Research – Innovations. https://www.unicef-irc.org/publications/1213-its-not-too-late-to-act-on-early-learning.html

Nugroho, D., Lin, H.-C., Borisova, I., Nieto, A., & Ntekim, M. (2020). COVID-19: trends, promising practices and gaps in remote learning for pre-primary education – 2019-20 COVID-19 PPIF – Research Results: UNICEF Office of Research – Innovations. https://www.unicef-irc.org/publications/1166-covid-19-trends-promising-practices-and-gaps-in-remote-learning-for-pre-primary-education.html

Oxford Policy Management (2019). Early learning partnership systems research: Liberia diagnostic report. Oxford: Oxford Policy Management. https://www.opml.co.uk/files/Publications/a1785-elsr-report-final.pdf?noredirect=1

Rossiter, J., Hailu, B. H., Terra, T., Rose, P., Dawes, A., & Hodдинott, J. (2018). Early learning in Ethiopia: Equitable access and learning. Cambridge, UK: Research for Equitable Access and Learning Centre, Cambridge University. https://www.educ.cam.ac.uk/research/centre/downloads/PolicyPapers/ELP%20System%20Diagnostic%20Final%20Nov%202018_updated.pdf

Save the Children & UNICEF (2020). Impact of COVID-19 on multidimensional child poverty: Technical note. New York: UNICEF. https://data.unicef.org/resources/impact-covid-19-multidimensional-child-poverty

Shiffman, J. (2007). Generating political priority for maternal mortality reduction in 5 developing countries. American Journal of Public Health, 97(5), 796–803. https://doi.org/10.2105/AJPH.2006.095455.

Shiffman, J., & Smith, S. L. (2007). Generation of political priority for global health initiatives: a framework and case study of maternal mortality. The Lancet, 370(9605), 1370–1379.

Shumba, C., Maina, R., Mbutiga, G., Kimani, R., Mbugua, S., Shahi, S., & Ndirangu, V. (2020). Reopening nurseries and caring for early childhood development during the COVID-19 pandemic in Kenya: A review. International Journal of Environmental Research and Public Health, 17(19), 7028. https://doi.org/10.3390/ijerph17197028.

Tomlinson, M., Richter, L., & Slemmer, W. (2021). What the science of child and adolescent development contributes to understanding the impacts of COVID-19. South African Journal of Science, 117(1/2), 1–2. https://doi.org/10.17159/sajs.2021.8876.

296
UNESCO, UNICEF, & World Bank (2020a). Survey on national education responses to COVID-19 school closures [Data file]. https://datacatalog.worldbank.org/dataset/survey-national-education-responses-covid-19-school-closures.

Sammus-Vaughan, M., & Pellington, S. (2021). Rapid assessment of Jamaican children and families in COVID-19: Report to the World Bank. Unpublished manuscript.

UNESCO, UNICEF, & World Bank. (2020b). What have we learnt? Overview of findings from a survey of ministries of education on national responses to COVID-19. Paris, New York, Washington, DC: UNESCO, UNICEF, and World Bank. https://openknowledge.worldbank.org/handle/10986/34700.

UNESCO (2020). Technical segment of Advancing the early childhood agenda: Inclusive innovative dialogue towards a global partnership strategy, Paris, New York, Washington, DC: UNESCO.

UNICEF Ethiopia (2020). Ethiopia novel coronavirus (COVID-19) (No. 19; situation report). Addis Ababa: UNICEF Ethiopia. https://reliefweb.int/sites/reliefweb.int/files/resources/UNICEF%20Ethiopia%20COVID-19%20%20situation%20report%20No.%2019%20-%2001%20%2016-30%20September%20%202020.pdf.

UNICEF Jamaica (2020). NPSC launches parent support helplines amid COVID-19 crisis. UNICEF Connects. Blog post. UNICEF Jamaica. https://www.unicef.org/jamaica/press-releases/npsc-launches-parent-support-helplines-amid-covid-19-crisis.

UNICEF, World Bank, & UNESCO (2020). Global guidance on reopening early childhood education settings. New York, Washington, DC, Paris: UNICEF, World Bank, UNESCO. https://www.unicef.org/documents/guidance-on-reopening-early-childhood-education-settings.

UNICEF (2019). A world ready to learn: Prioritizing quality early childhood education. New York: UNICEF. https://www.unicef.org/reports/a-world-ready-to-learn-2019.

UNICEF (2020a). Children in monetary poor households and COVID-19. https://data.unicef.org/resources/children-in-monetary-poor-households-and-covid-19/.

UNICEF (2020b). Policy brief: the impact of COVID-19 on children. New York: UNICEF. https://unsdg.un.org/resources/policy-brief-impact-covid-19-children.

World Bank (2020a). Announcement: List of emergency COVID-19 funding round proposals approved. https://www.worldbank.org/en/topic/earlychildhooddevelopment.

World Bank (2020b). The COVID-19 pandemic: shocks to education and policy responses. Washington, DC: World Bank Group. https://openknowledge.worldbank.org/handle/10986/33696.

Yoshikawa, H., Wuermli, A. J., Britto, P. R., Dreyer, B., Leckman, J. F., Lye, S. J., & Stein, A. (2020). Effects of the global coronavirus disease-2019 pandemic on early childhood development: Short- and long-term risks and mitigating program and policy actions. The Journal of Pediatrics, 223, 188–193. https://doi.org/10.1016/j.jpeds.2020.05.020.

Zubairi, A., & Rose, F. (2019). Leaving the youngest behind: Declining aid to early childhood education. London: TheirWorld. http://theirworld.org/resources/detail/leaving-the-youngest-behind.