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United Nations

Distr : General 26 January 2023 Original: English F/CN.9/2023/2

Commission on Population and Development

10-14 April 2023 Item 3 (b) of the provisional asenda* General debate

Population, education and sustainable development

Report of the Secretary-General

Summary

In its decision 2021/101, the Commission on Population and Development decided that the theme for its fifty-sight session in 2023 would be "Population, education and sustainable development" (see E/2021/25). The present report has been prepared to

In the report, the Secretary-General examines the dynamics of the school-age providation in different regions of the world, the relationship hetween education and and the connections with Fender equality and the empowerment of women, human capital formation, economic growth and environmental sustainability. The discussion highlights linkages between demographic variables and trends and access to guality education at all levels, including early childhood, primary, secondary and tertiary education and lifelong learning. The report also includes selected conclusions and

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Did vou know...

This body is crucial as it coordinates economic, agencies, their functional commissions, and five regional commissions. It plays a vital role in policy review, dialogue, and recommendations on issues related to international economic and social fields.



Did you know...

This commission advises the UN on population-related issues and their impact on development, offering critical insights and policy recommendations to address global demographic challenges.

P Did you know...

This theme highlights the interconnectedness of demographic trends, education policies, and sustainable growth strategies. Understanding these links is essential for developing comprehensive policies that promote environmental sustainability

c Notice this!

Reflects the commission's forward planning and thematic focus for future sessions. demonstrating a proactive approach to addressing pressing population and development issues.



P Think about

Understanding these dynamics is essential for planning educational resources and policies. It helps in forecasting future needs and challenges in the education sector.

I. Introduction

- 1. Since the founding of the United Nations, education has been recognized as fundamental to human development and social progress. The right to education and participation in cultural life was included in the Universal Declaration of Human Rights in 1948. Chapter XI of the Programme of Action of the International Conference on Population and Development, held in Cairo in 1994, contains calls for the provision of universal access to primary education and for closing the gender gap in primary and secondary education. Governments were requested to expand policies and programmes to support youth and adult education and lifelong learning, paying particular attention to migrants, Indigenous Peoples and persons with disabilities.
- 2 The International Conference on Provilation and Development also called on Enveroments to provide formal and informal education on population and health issues, including second and reproductive health. Education on such topics is important to enhance sender equality and equity, promote responsible sexual behaviour and protect adolescents from early and unwanted pregnancy, sexually
- 3. The 2030 Agenda for Sustainable Development includes the aim of ensuring inclusive and equitable quality education and conneting lifeloog learning opportunities. for all [Sustainable Development Goal 4]. In addition, education-related targets and indicators are part of several other Goals, including Goal 1 on poverty, Goal 3 on health, Goal 5 on gender equality, Goal 8 on economic growth and decent work, Goal 12 on sustainable consumption and production and Goal 13 on climate change.
- a In September 2022, the Secretary-General convened the Transforming Education Summit in reasonable to the global misis of equity and inclusion in adviration to mobilize action, ambition, solidarity and solutions to transform education by 2030. population, education and sustainable development as the world continued to recover from the coronavirus disease (COVID-19) pandemic, which set back progress on several of the Goals, including those related to poverty, health care and education.
- II. General perspective on population, education and sustainable development
- A. Relationships between education, population growth, economic growth and environmental sustainability
- 5. In 2003, the last time that the Commission incorporated education into its special Inkages between education and population change [see E/CN.9/2003/2). The evidence base on this topic has grown steadily since then, confirming the role of education as a key determinant of levels and trends in fertility and mortality and, more broadly, highlighting the significance of human capital in all aspects of population dynamics.1 Education and training over the life course are, in turn, critically important to sustain socioeconomic development, especially in modern economies increasinely driven by introvation and productivity growth. From a macroeconomic perspective, a well-trained and well-educated workforce reinforces the positive impacts of the demographic dividend and tempers the fiscal and economic challenges associated

Did vou know... 1

Recognizes education as a fundamental human right, highlighting its longstanding global importance. This declaration set the foundation for subsequent international

Universal Declaration of Human Rights (1948)



A landmark agreement emphasizing the gender equality. It underscores the critical role of education in promoting reproductive health and sustainable development.

Programme of Action of the International Conference on Population and Development (Cairo, 1994)

Think about...

This goal aims to ensure inclusive and equitable quality education and promote lifelong learning opportunities for all. Achieving this goal is key to breaking the cycle of poverty and fostering sustainable development.



Held in September 2022, this summit aimed to address global educational inequities by mobilizing action, ambition, solidarity, and solutions to transform education by 2030.

Notice this

These are fundamental components of population chappe influencing various aspects of society, from workforce availability to healthcare demands. Why do you think these components of the population are fundamental in our society?

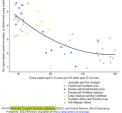
the 21st Century (Deford, Deford University Press, 2014).

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with rapidly againg populations, while contributing to the achievement of various

6. National spending on human capital formation (education and health) in young people under the age of 22 years averages approximately 5 per cent of gross domestic product (GDP) across countries. However, the ratio of spending per person to GDP per capita varies widely across countries and tends to be negatively associated with the ratio of the number of young people to the size of the working-age population (see

Human capital investment in children and young people by the relative size of the population aged 5-24 years, selected countries by region, circa 2010



Note: Human capital investment is equivalent to the spending on education and health per person aged 5-24 years divided by GDP per capita. The relative size of the population aged 5-24 years is equivalent to the population size in that age range divided by 100 adults aged 25-64

7. Access to education in a population is related to a broad range of demographic outcomes and behaviours (see chaps. III and VI). Countries with high rates of population growth and youthful populations tend to have lower enrolment rates in primary and secondary education. Conversely, countries with high levels of primary school enrolment typically everyprivate lower child and maternal mortality rates. Tosefficient hudgetary allocations extreme powerty, early childbearing, armed

6

Did you know...

Refers to the process of improving the workforce's capabilities through education and health, crucial for economic growth and social development. Investing in human capital is essential for enhancing productivity and competitiveness in the global economy.

Notice this!

A valuable resource for understanding how resources are distributed across different age arouns in various countries, providing insights into the economic lifecycle and the impact of demographic changes on public finances.

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conflicts and natural disasters are the primary factors keeping students out of school, especially in low-income countries.

B. Education also serves to noise public auxoreness of pressing global environmental processions, such as the local of biodiversity or marking publics, and to environmental processions. Indexed, investments, and the auxoreness global development global people face of knowledge of these topics accurate through hormal schooling, a well-rounded education equips people of the school environment environmental markets and the automatic global environment global techniques and the schooling and the schooling and the schooling. The schooling and the s

B. Impacts of the pandemic

- School closumes and disruptions to instruction during the COVID-19 pandemic despend the global learning crisis by exacerbating pre-existing inequalities in access to and quality of discuttion. The pandemic revenued school of the progress achieved towards gender equality in education, as girls and women were especially hard hit by school closures.
- 10. sphile hald locure during 2020 and 402.14 for in-prevent instruction servinged 411 days anout for during 2020 and 402.14 for in-prevent instruction servinged 411 expression of the during 402 and 104.14 for an of balant service in the Carabiean ensight any may ac 273 and 272.6 full days at both and use and the carabiean 2020 and Reinaury 2022.34 Human Instructions, including those resulting from armed conflict, have made calabierging shaatons wave in some parts of the world. For example, in cluster rearity was from 164 for 5.7 million calor-laye children have been forced from their homes and are now living elsewhere in the country or in regibbouring countries.3
- 11. Figure II shows that any reductions in learning poverty (delivincies in basic neading skills) achieved in the years immediately proceeding the panderric were fully reversed therability, with the largest increases, occurring in Latin America and the Cambbeen and in South Asia. Currently, 7 of 30 children in low- and middle-income countries have extreme deficiencies in their have reading skills. 4

10 Good to know!

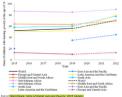
The COVID-19 pandemic has had profound impacts on education systems worldwide, exacerbating existing inequalities and disrupting learning for millions of students. Addressing these impacts is critical for achieving education-related SDGs.

Covid-19: how tech will transform your kids' education

¹World Bank and others, The State of Global Jeanning Poverty: 2022 Update (2022). United Nations Children's Fand (UNICCEF), "Uscalne was response: ensuring access to learning", 2022.

^{*} World Bank and others, The Store of Glabal Learning Poverty.

Figure II Prevalence of learning poverty by region, 2015, 2019 and 2022



Acce: Learning powerty refers to the share of children with deficiencies in basic reading skills at the age of 10.

C. Trends in the school-age population

- 12. The school-age population is the population at a particular age or within a particular age group, as defined in a country's regulations or laws, corresponding to a specific grade or level of education. The school-age population is a key input used to produce education-related indicators of the Sustainable Development Geals and to assess the demand for education.
- 13. The global school-age population aged 6–11 years, usually corresponding to those in primary education, is expected to reach an all-time high of 820 million in 2023. It is projected to drop to 774 million in 2033, then to reach a secondary peak of around 806 million in the early 2050s and to decline continuously thematter.
- 14. Some regions are already acqueriencing a decline in this segment of the schoolage population. It reaches a pask in terropic and hortman harmanics in 1996, Islawed by Eastern and South- Riskin and 1999, Islam America and the Cardbasan in 2002 and Cerreita and Southen Kokin and USL Bisevatore. Its Antonica And the Acathesan in 2002 and Cerreita and Southen Kokin and USL Bisevatore. Its Antonica Antonica Meeters Association and Meeters Association and Meeter Zoolo. The South Cargo population aged 6–11 years is colected to peak after 2005.

W Notice this!

Provides data and analysis on the impact of the pandemic on education, highlighting the urgency of addressing learning poverty to prevent long-term adverse effects on children's development.

Think about!

Understanding these dynamics is essential for planning educational resources and policies. It helps in forecasting future needs and challenges in the education sector.

¹ See UNESCO Institute of Statistics, "Population of the official age/school age population", cellee glocary. Analable at https://sis.unesco.org/en/glocary-serre/population-official-age-school-agepopulation.



- 15. The projected global trend of the school-age population aged 12-17 years (typically, those is secondary evoluciation) and of these aged 12-37 years (in tertiony detaclined) and if these aged 12-37 years (in tertiony detaclined), additional aged 1-11 years (in periodic), thus, the global school-age population aged 12-17 years is projected to reach its post of new 10 global school-age population aged 12-17 years is projected by reach they addite of the school-age population aged 12-17 years is projected by reach they add the school-age population aged 12-17 years is projected by reach they add the school-age population aged 12-17 years is projected by a school aged and the school aged and the school aged and the school aged thereafter.
- 16. Figure III shows the projected regional terrards by age group. Eastern and South-Eastern Asia is expected to expectence the largest chart in the school approximation agest 6–23 years between 2022 and 2050. The second largest decise over this period will take place in Central and Souther Asia. Sub-Shaham Africa will see the largest propulsition aged 6–23 years in sub-Shaham Africa will see the largest propulsition aged 6–23 years in sub-Shaham Africa will see count for 00 per cent of the global increase between 3222 and 3250.

Figure III

Projected change (in millions) in the size of the school-age population in three age segments, world and regions, 2022-2050



Source: United Nations, World Population Prospects: 2022 Revision.

17. Overall, the global school-age population aged 6–23 years was around 2.3 billion in 2022. It is prejeted to increase to ensity 3.4 billion in 2020 and in fluctuate whith that range until 2056, However, the size of the school-age population aged 6–23 years as a prespection of the total appulation is projected to dischim all angleon in the certing and to increase appendix that the school age population aged to a school age population aged 6–10 years as a school age population and the school age population aged 6–10 years as a school age population and the school age population aged 6–10 years and the school age population aged 6–10 years and the school age population aged 6–10 years and the school age population.

P Think about!

Notice how the numbers change over the time. Younger population tends to increase, meanwhile 6-23 years is going to decline, due to the current enrollment.

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Role of human capital formation in population projection:

Ferecasts of the school-age population such as those described in the present regord are based on standard population pojections with data disaggregated by age and size. However, additional insights can be gained about hurse hursan capital formation if the evolution and demographic impacts of advactional attainment are also considered.

The size and demographic composition of the future school-age population depend primarily on past and future trends in fertility and on the size of successive cohorts of women in the reproductive age range. A ranse of school ares. Most national and international population projections, including those published by the United Nations in the World Population Prospects series, derive projected counts of population by age and sex on the basis of assumptions about future trends in fertility, mortality and migration. Some research groups have added education as an extra dimension, in addition to sex and age, to account explicitly for interrelationships between educational attainment and population chance of Incorporating this additional information allows analysts to formulate scenarios associated with alternative educational policies and to study their potential impact on human capital formation and economic growth in future years. Forecasts of population composition by level of education can inform long-term economic, geopolitical and strategic planning, taking into account the skills and capacities of the future labour force.

⁴ For example, Lutz, Batz and K.C., eds., World Population and Haman Capital in the 21st Century.

18. Because the education sector serves population groups defined primarily by age, located in school districts whose boundaries are often different from other administrative subdivisions, planning related to educational services requires population estimates and projections by single years of age for detailed grogmobic units.

D. Implications for education sector budgets

19. The allocation of resources devoted to elucitation depends on demographic confilment is exploration. So the number of elivity elivity elivity is a set fixed of monoscience of the set of the monoscience of the set of the monoscience of the set of

W Did you know...

Provides benchmarks and policy advice for improving education and economic performance globally. The OECD's analyses help countries design effective education policies and allocate resources efficiently.

OECD Website

^{*}Tim Hiller, Carl Mason and Mauricio Holt, "The Socal impact of demographic charge is ten Latin American countries: projecting public expenditures in education, health, and president", in Population Aging: IS Latin America Neurly?, Daniel Coltair, ed. (Mashington, D.C., World Bank, 2011).

- 20. Sponfig on education has important implications to inequalities in karming. From the mie-2016 to 2020, public sperified on extension as observed for the gendrality for contrains in all income provide spectrality, but contrains the spectrality of the spectral spectral income provide the spectral spectr
- 21. The COVID-19 pandemic lod to significant cuts in public spanding on education in low-income and lower middle-income cuthins, 34 which low entrancingray challenges in recovering from learning losses due to the pandemic and resuming progress towards the universal completion of primary and secondary education by 2030, as proceited by targary 4.1 of the Sastaniab Dovolgnem Caals.

E. Education and labour force participation over the life cycle

- 22. Formal detectation and exceptional transmission gains as large rates in programs (rese entroping) for the control of th
- 2.1. By contrast, the incrementation encoder scores queries, instantiate participants and the score and the contrast and the contrast and the incrementation of the score and the contrast and the contrast and the incrementation of the score and the score and the score and the score and the incrementation of the score and t

23 Interesting Fact!

In low-income countries, higher education doesn't always boost labour force participation due to limited job opportunities and economic challenges.

Access to higher education doesn't always lead to lower unemployment - UN labour agency.

¹World Bank and United Nations Educational, Scientific and Cultural Organization (UNESCO), "Education finance watch 2022", 2022.

World Bank, "Two-thirds of poorer countries are cutting education budgets due to COVID-19", 22 February 2021.

⁹ Teternational Labour Deparization (ILD), World Employment and Social Dathaek: 7 media 2020 (Genera, 2020); and ILDSTAT, Tethoarine page off, but you have to be patient?, Spetight on Work Statistics, No. 10, January 2020.



24. Here highly ducated workers generally earn higher wages, how botter engineers opportunities and health and o less physically derranding work that many second secon

III. Education trends, including progress towards the targets of the Sustainable Development Goals

A. Early childhood education

- 25. Toget 4.2 of the Sustainable Development Golds seeks to ensure unaversal access to publy using Velobio devication pagaments by 2020. Early childhood devication to lifetone learning and yields transmission of the beeffic accentring stateburs performance, cognitiva Jalky, the doublement of social skills and Hendrike, poster equality and health, combinizing to more obtaine and equilibrium sociales. By comparing the state of the definition of the state which, how mention patients and the socialization accenters. In the state official, some energy patients and like socialization accenters.

A Did you know...

Early education is foundational for lifelong learning and personal development. Investing in early childhood education can yield significant returns in terms of improved educational outcomes and reduced social inequalities.

25 Notice this!

Discusses the implications of an ageing population on education and employment, highlighting the need for policies that promote lifelong learning and active ageing.

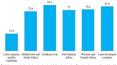
¹⁹ René Bilheim and others, "The impact of health and education on labour locce participation in aging societies: projections for the Vehied States and Germany from a dynamic microsimulation", NBEP Working Paper, No. 29534 (Cambridge, Massachusetts, National Bureau of Economic Insearch, 2023).

UNICEF, A World Ready to Learn: Prioritizing Quelity Early Childhood Education Oleve York, 2019).

^{20170.} If the percentage of children aged 30–39 months attending as early childhood education programme (by see and family wealth quintle). See www.unicef.org/educatios/sorty-childhood-education.

Figure IV

Proportion of children aged 3-5 years who did not attend an early childhood education programme, selected developing regions, 2013-2021



Startic: www.unicef.org/education/early-childhood-education. Based on demographic and health surveys, multiple indicator claster surveys and other household surveys in 92 countries.

B. School enrolment and completion

- 27. In 120%, 745 million thinks new servicidi in partury schools (plauty, and 1 service) million over and a million over an and a million over a distance.
- 28. Glidal progress towards the Sustainable Devolpment Goal target of universal completion of primary and secondary education by 2000 has been uneven. In 2020, the completion and for primary advanced by 2000 and 2000 and 2000 has been uneven. In 2020, the secondary advanced by the secondary advanced by 2000 has been uneven. In 2020, the secondary advanced by 2000 has a secondary advanced by 2000 has a secondary advanced trans. Secondary advanced by 2000 has a secondary advanced by 2000 has a secondary than cost brief to lower secondary documents (advanced by 2000 has a secondary of the than cost brief to lower secondary documents (advanced by 2000 has a secondary of the advanced by 2000 has a secondary documents (advanced by 2000 has a secondary of the than cost brief to lower secondary documents (advanced by 2000 has a secondary of the advanced by 2000 has a secondary documents (advanced by 2000 has a secondary of the advanced by 2000 has a secondary document (advanced by 2000 has a secondary of the advanced by 2000 has a seco

27 Interesting fact!

Look how the globalisation of the education norm diffuses.

Why is education important?

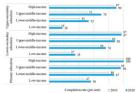
¹¹ UNESCO Institute for Statistics, UIS-Stat database. Available at http://data.ais.anecco.org. ¹⁶ UNESCO Institute for Statistics, "Total net enrolment sub", online glassary. Available at http://dx.anecco.org.

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Figure V





Saurce: UNESCO Institute for Statistics, September 2022 release, available at http://uted-data.uk.ueerco.org

- 29. Globally in 2020, fewer than half of all enrolled students reached minimum proficiency in reading at the Josens-secondary school level (sc just over one third of all children, including those out of school). In sub-Sahara Africa, only about 10 per cert of children into completed lower secondary school had achieved minimum proficiency in reading.
- 18. The pointing gas in tables evidences and antidations to do different the paint terrority and approximation and antidations to do different the paint terrority and approximation and approximation and the first paint of the paint of t

29 Think about!

Why would this happen? Is this dependent on the spread of the educational norm, or the issue of nations' quality of education?

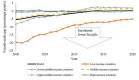
¹¹ UMESCD, Globor / Education Maniforming Repart: Gender Report - Deepening the Gehate an 7hour SVII Left Behind (Panin, 2022). The gender gap in enrolment is defined as the difference between ternale and make stores for the official age mange for a given education.

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long-standing. However, those gains have not translated into equivalent success in the labour market, where women remain at a disadvantage in most countries.16

Figure V1

Gender gap in enrolment rates for adolescents of lower-secondary-school age (female-male), by country income group, 2000-2020



Source: UNESCO Institute for Statistics, UIS Stat database, available at http://data.ais.unesco.org.

31. Completion rates also vary by location and household wealth. For example, only one suith al contract, with workshot exact and party become must and utal actives in the completion of lower-secondary education, while differences in completion entitled wideprated between the poorest and riches thouseholds within countries. Givin in the poorest thouseholds remain at a disadvantage in terms of educational attainment and learning outprotees.17

C. Digital inclusion

12. Fluency with and access to digital sectivelya are necessities of modern life. As the model gapable with the CUVID-19 and partners, sectors, parents and starburst witnessed transities of digital sections. And and the cuvid-19 and the section of the sectio

31 Interesting fact!

Only one-sixth of countries with available data achieved parity between rural and urban zones in lower-secondary education completion, indicating a significant ruralurban education gap.

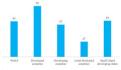
Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all

¹¹To LUID-Anciola and the Carbons. In example, success an inferentiasected in TedS without in Information and emanatizations interformation, subject to the Carbon and the preparations that the best of appropriate in research and prevailing emanations. Many take preparations that the best of appropriate in research and prevailing emanations and emanation of the carbon and the carbon and the carbon and the carbon employment. Since Second Prevailing (Laboration and English Manakara, Santana Boos, Jon Santanakara, Benchmann, Santana, Santanakara, Santanakara, Benchmann, Santanakarara, Benchmann, Sa

90 per cent of the population in developed countries used the Internet, compared with only 27 per cent in the least developed countries (see figure VII).18

Figure VII

Percentage of individuals using the Internet, 2021



Snarce: International Telecommunication Union, Measuring Digital Development: Facts and Figures 2021

D Lifelong learning

- 33. Demographic changes, along with new technologies and globalization, are transforming the world of work, bringing fresh coportunities and novel challenges for people to access decent jobs and for companies to thrive and adapt. The structural transformations related to remote and flexible work, disitalization and the demand for new types of jobs and skills, 19
- 34. The context of these changes includes the progressive ageing of the global population. With unprecedented numbers of people surviving to advanced ages. If elong learning and the re-skilling of workers are more important than ever. Moreover, the strengthening of intergenerational workforces can alleviate associated fiscal pressures on health and pension systems and contribute to sustained and more
- 35. There has been significant progress in access to adult learning and education, notably in the participation of women and other disadvantaged and vulnerable groups. such as Indiaenous Peoples, rural populations, migrants, older persons, persons with disabilities and prisoners, who often have limited access to learning opportunities.21 Despite the progress made, however, significant gaps and challenges remain. Among

33 Think about!

Notice how globalization here is taking place with the help of the United Nations and set a trend for nations to follow the pattern of improving education.

¹⁸ International Telecommunication Union, Heasaving Digital Development: Facts and Figures 2022 (General 2021).

ILO, Shaping Skills and Lifelong Learning for the Fature of Work (Geneva, 2021).

^{*} World Social Report 2023: Leaving No One Behind in an Ageing World (United Nations

patrication, 2023).
In UNESCO Enstitute for Lifelong Learning, 5th Global Report on Adult Learning and Education:

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159 countries and areas with available data, about 60 per cent reported no improvement in participation by persons with disabilities, migrants or prisoners. In 24 per cent, the participation of rural populations and or older persons had declined.

- E. Progress in education, building human capital and effects on other Sustainable Development Goals
- 36. Ensuring inclusive and equitable quality education and premoting lifetong learning opportunities for all (Sustainable Devolution Geal a) is a key development goal that has great value in itself. Noncover, available extincts esgents that expanded access to quality educations brings myniad direct and indirect benefits to society and has the potential to drive regress towards all ababit goals.
- 17. The enterine includes table the force of testing of under a simulation of testing of testing

IV. Education, entry into reproductive life and fertility

A. Fertility trends and educational levels: international evidence

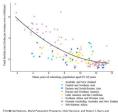
- 38. Women with higher education levels generally bear fewer children than those who are less educated, with differences especially marked in low- and middle-income contraits. Note educated women have greater autoremy in experioducitiv decisionmaking and more knowledge about and access to family planning, and are more likely to delay their marking and exhibitibating than women with less education.
- 39. An interest correlation between levels of education and finitity is generally observed across countries (see figure VIII). The same is true for changes over time in netrest decases: the expansion of primary and secondary educations in developing countries, together with the increased availability of family planning services, has been closely associated with the global decline in tertility.23

²⁰ Jesús Crespo Guaresma, Wolfgang Lutz and Warren Sanderssen, "Is the demographic dividend an education dividend?", *Demography*, vol. 51, No. 1 (February 2014).

¹⁰ Daphne H, Liu and Athian E, Rattery, "How do education and family planning accelerate fertility declined", *Psoulation and Develoament Pervine*, vol. 46, No. 3 Gentember 2020.

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Figure VIII Average fertility level by mean years of schooling, 148 countries, circa 2015



343494Heb Nations, Work Population Prospects: 2022 Kensions and Robert J. Barro and Jong-Wha Lee, "International data on education attainment", Barro-Lee dataset. Anailable at www.barrolec.com.

- 40. Femility unice within countries by educational level (at various stapes of the transition from light to low firstly. In the early stages of the transition, significant fertility diffuentials are observed between women with and without printary education, but these differences tend to diminise accountries more streamed to women the ending of the ending of the ending of the ending of the secondary education or higher between endicable at more advanced stages of the fertility transition, even though absolute differences tend to be multi.
- 41. The lentity decise is sub-Salvara Mice stand take than industry engines and stalled in the entity 0000, does set/to to standing in the encloser of oils in primary adout from the 1980s to the early 2000s. If the thirty had continued its entire downard there, it is estimated that there would have been adout 13 million lever birthe to worres aged 35–34 years between 1998 and 2010 in 10 countries in Mices is which the territy doction bad studie, historing Koyan, the Mige and Migeria 24
- 42. The educational attainment of women, in particular at the lower-secondary level or higher, has played a more important role in accelerating fertility decline in recent decades. However, there have been concerns that in many sub-solution African.

40 Think about!

The correlation between the fertility and educational level has a valuable link to the development of nations. Try to see this and make notes.

Thanks to education, global fertility could fall faster than expected

41 Interesting Fact!

Consider this information as a representation of the general idea in the region.

Article - Stalls in Africa's fertility decline partly result from disruptions in female education

²⁴ Endale Kebede, Erich Striessnig and Amme Goujoe, "The relative importance of women's education on fertility denies in sub-Saharan Africa: a multilevel analysis", Population Studies, vol. 76, No. 1 (2022).

countries the expansion of education may have been achieved without much improvement in quality, with many primary school students not acquiring the literacy skills expected for their age and grade.

Bildeveloped countries that achieved low fertility decades ago, educational

differentials emain, with mixed evidence for birth of different orders. In these controls, the educational lattivented or element controls to be possible a systelling with levels of childnessness and the evenge age of exorem at the birth of their first. Child Heaveser, in controls in hotherm and Western Europe, there is data increased windence of a positive association of education with vensell forcelling interfinition and with the finguater, of accord or third birth Lepschail, in the Western Europe, there's controls, greater genetic equality within hoseholds combined with suggestime, family-hierdy policies may the controlling to an aptime in refifty among mere educated wenter.

B. Education and age at initiation of sexual activity, contraceptive use and childbearing

- 44. Educational attainment influences various aspects of people's sexual and reproductive lives, including when they become sexually active, II and how they use family planning and the timing of their childbearing. In general, research indicates that education and family planning programmes help to reduce levels of both wanted and unanted tertility.
- 45. Across major world regions, higher levels of education are associated with a higher mean age at sexual initiation. Constraint of a second ary solucation yields the largest impact on delying sexual initiation. However, endetcer from sub-Sharrah Arica suggests that the positive consistion to themean education and age at sexual initiation may hold only or mostly for grins and warren and may ence he reversed for largest of the yar.
- 40. These are indexers contractions entends is also positively correlated with the level of doctors. Statistical with the ways are indexers of the statistical bases in the value of an other contractions by the statistical methods in the value of an other statistical method. The value of an other statistical method is also possible value of an other methods. Sociation may also indexers with an immediate the definition of the value of an other methods. Sociation may also indexers with the value of the valu
- 47. Completion of education at the secondary level or higher affects the labour force participation and economic <u>empowerment of worren</u>. These, in turn, increase their income, bargaining position in the household and freedom of movement, providing greater opportunities for them to access effective family planning services.

C. Early marriage or childbearing and educational attainment

48. The proportion of women aged 20-24 years who were married or in a union before the age of 18 (Sustainable Development Goal indicater 53.1) remained high in many countries in 2021, in particular in sub-Saharan Africa (35 per cent), Central and Sauthern Ada (28 per cent), and Latin America and the Cathbean (21 per cent).

47 Think about!

Critical areas that significantly affect social and economic development. Promoting gender equality can lead to more inclusive and sustainable growth.

UNDP - Why Gender Equality Leads to Sustainable Economic Growth

²⁵ Stephanie Simmons Zulikowski and Matthew C.H. Jakes, "The impact of education on sexual behavior in sub-Saharan Africa: a review of the evidence", AUSS Care, vol. 24, No. 5 (2012).

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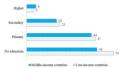
These three regions together account for about three quarters of the 650 million girls and women who were married or in a union before the age of 18 globally 26

49. Early marriage and childbearing can have lifelong impacts on girls'

sociencement outcomes as these demographic events can interrupt their outcation, beauting to easily without from the document of the document independence and an increased risk of povery. Keeping gifs in school is not of the moor difficult wayed orchanizing sith manages. On average, the iskificated of a gift morping as a child in reduced by six generatings. On average, the iskificated of a gift evendary education. 27 This impact to enviet the instead in the outcomes of executive social size of the more with higher levels of completed ducation are moch less (likely to have been marring botter large of 18 gines D).

Figure IX

Percentage of women married before the age of 18 by highest level of education completed, 49 low- and middle-income countries, 2010-2021



555YOC Demographic and health surveys.

Note: Percentages are based on data reported by women aged 20-24 years at the time of the survey.

- 50. Studies in countries in sub-Saharan Africa, Latin America and the Caribbean, and Europe and Northern America have shown that, the earlier gifts many, the loss likely they are to be lixense or to statend and complete secondary education. Similarly, gifts who give birth before the age of 18 have worse educational and labour market outcomes than those who do end 28
- These relationships are also reflected at the population level: across countries, adolescent lettility rated among girls aged 10–14 years (Sussimable Development Goul indicator 37.2) are negatively correlated with fermice education completion rates at the primary, lower-secondary and upper-secondary levels (Indicate 4.1.2) (see Figure X).

51 Think about!

An important demographic indicator affected by education levels, impacting long-term development. Reducing adolescent fertility through education can lead to better health and economic outcomes for young women.

Fertility among Young Adolescents at Ages 10-14 Years- A global assessment

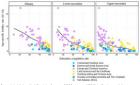
²⁹ UNICEF, "Child marriage around the world", 11 March 2020.

Owners Biodon and others, Mixing Dippervisitive: The High Cost of Ner Educating Givis Physiologian, D.C., World Bank, 2018; and World Bank, "Educating girls, ending child marrings", 24 Autonal 2017.

Minh Ceng Ryayee and Queetin Woolon, "Impact of child marriage on literacy and education attainment in Mrica", background paper prepared for a task Anded by the Gabali Parmership for Education, September 2014, and Tecon marriages and union deepe gedee inequalities", 2014.

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Snarce: United Nations, World Population Prospects: 2022 Revision; and 506 Global Database, available at

- 52. Child marriage is a far more common reason for the early withdrawal of girls from education direct rause of precedurely leaving school than powerty, distance to school, quality of instruction and the perceived value of education, among others,
- 53 Child marriage is more common in low- and middle-income countries that do not have a minimum legal age of marriage or do not enforce existing laws, especially in rural areas. Rigorous enforcement of a minimum legal age of marriage is needed to yield the desired individual and societal benefits. Multisectoral empowerment programmes that include life skills training, livelihood training, gender rights pregnancy and early childbearing, 29

D. Sexuality education, fertility outcomes and lifetime development implications

54. Comprehensive sexuality education is a curriculum-based process of teaching and learning about the cognitive, emotional, physical and social aspects of sexuality.30 which can help in achieving development objectives on health, education and gender equality (Sustainable Development Goals 3, 4 and 5) and to reduce adolescent



In many nations, this topic is debated whether it is ethical to teach kids about this or not, mainly due to the traditions and mentality of nations. Is this healthy to teach or not?

Comprehensive sexuality education

childbearing", presentation at the expert group meeting of the United Nations Population Division September 2022. 2 UBESCO "Who representation separative education is important". 23 April 2022.

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Tertility. Education on health, well-being, the human body, sex and relationships, delivered at a time mine an adolescent's cognitive, emotional and social development is taking place, yields a range of benefits, including the ability to learn better and to lead a healthier and happine He31.

- 5. Conventing, a lack of electracian or of access to information about human sessally creates cimulative disadvergings access the responsibility disadverging constraints and access the electronic of the elec
- 6. Comprehensive security decision can help to reduce any for unintended preparative, emmergia gender-equilable anticles and reduce stude approximation. 27 11 can also help to delay securit initiation and decrease the incidence of HV and other security immortline relations. When dedicers is a conjunction with importance in the end of the end core component of effective approacy prevention programmers among addisectors and young proved. Stochas are also important is for the device part choicutants because there is an end that furthers in security beams in course protection services and end that furthers in encoursing head in course protection services.

V. Education, health and mortality

57. The 2020 Agenda underscrease the interfinitings between development galation health and execution. The health and underscrease of the event method by determinants of educational outcomes, Education, Int turn, Itag an impact on install by the event of the event transfers to execution the event that improve health. Educations may also tacillates the adoption of healthy behaviours, including earling healthy dest, engaging excell support to open with threases.

A. Differentials in mortality and health by education level

58. An educational gradient in health and mortality indicators has long been recognized. Recent studies have confirmed, for example, a clear association at the national level between mean years of schooling and measures of child and adult mortality. Between 1970 and 2010; 14 per cont of the reduction in mortality under the

A Notice this!

Highlights the broader impacts of education on population health and longevity. Education is associated with healthier lifestyles, better access to healthcare, and lower mortality rates. How does education impact population health and increase longevity?

¹⁰ Leon Feinstein and others, "What are the effects of education on health?", in *Hessaving the Effects of Education on Health and Civic Engagement: Proceedings of the Copenhugen Syntagesium*, Histhard Desjaulins and Torn Schuller, eds. [Organisation for Economic Co-operation and Development (IDCD). 2006).

And Development Conference and Conference progress-servical and regarductive health and rights for all: report of the Quitewasher-Laron Commission, "The Laronet Commissions, vol. 391, Nrs. 10140 June 3021(g. ed. Lawreen N. Legen and thens, "School haudi International for improving contraceptine use in addiscements", Calorinee Dobabore of Systematic Reviews, vol. 6, article No. COD12249 (2016).

⁽⁾ URESC and others, International Technical Guidance on Sensatiny Education: An Evidence-Informed Approach (Paris, URESCO, 2021), and Androa Irvin and others, Comprehensive Sensatily Education as a Strategy for Gender-Based Violence Provention (Bareglock, United Nations Population Fund, Asia Pacific Region Office, 2022).



age of 5 and around 30 per cant of reductions in adult mortality could be attributed to given in female educational attainment.74 Education can have lifeleng impacts on an individual's health status and is associated with health disparities throughout the life course, including at clear ages.

- 60. In neurof decades, data form sample survey, echort studies and demographic surveillates is have expanded bu understanding of decadantial differentials in headh and aging around the works. A project collaring data from 17 ochort studies is have included participants form 35 occurrises across is constrained to a project collaring data from 17 ochort studies in the included participants form 35 occurrises across is constrained to a project collaring data from 16 occurred to a project of the project of the included participant form 35 occurred as a project of the pro
- 61. Available data also confirm wide dispatifies in the providence of physical or functional disabilities between the least and novae toducated addita within countries. In the United States and countries in Europe, the prevalence of disability among addits aged 50 years or doler was tunio as high in abadit 2018 for those with lose (avels edication compared with those who were highly educated, Sorrewhat smaller differences were observed between similar groups in China, India and Nexico.37

B. Relationship between parents' education and child's health

42. Recent research has confirmed that the increased extraction of numbers and futhers being to recent control junce the age of your, with maintain duration being a discussion being a sector control with the sector being to recent control of the sector being and the sector being

Notice this!

Education levels of parents significantly influence their children's health outcomes. Educated parents are more likely to adopt healthy practices and seek medical care for their children. This generational effect underscores the long-term benefits of education on family well-being and overall public health.

¹⁰ Elias Prachas and others, "The effects of education quantity and quality on child and adult mortality their regaritude and their sudar," in Disease Cardov Priorities, and ed., vol. B, Dearn T, Jornisas, eds. (Moshington, D.C., Wantid Bank, 2017).

³⁵ Arene Case and Augus Deators, "Like expectances in adulthood is fulling for those without a BA degree, but an educational gaps have widened, racial gaps have narrowed", Proceedings of the Bashead Academy of Sciences, vol. 118, No. 11 (2021).

> Yu-Too Wu and ethers, "Education and wealth inequalities in healthy agoing in eight harmonised orbors in the ATHLOS consortium: a population-based study", The Lancet: Pablic Meelth, vol. 5, Mo. 70 July 2020.

World Social Report 2023 [United Nations publication, 2023).

Mizza Balai and others. "Parental education and inequalities in child mortality: a glob

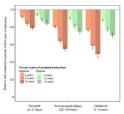
systematic review and meta-analysis", The Loncet, vol. 398, No. 10309 (August 2021).

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robust evidence that universal access to quality education is critically important for the achievement of target 3.2 of the Sustainable Development Goals on reducing neonatal and child mortality.

Figure XI

Relative risks of neonatal, post-neonatal and child mortality, by parents' educational level



Saaxee: Balaj and others: "Parental education and inequalities in child mortality". Note: The baseline category is "no education". Based as the results of a mets-analysis of published studes of the effects of parental education on child mortality and an analysis of demographic and health source plata.

C. Education on sexual and reproductive health, including prevention of HIV/AIDS and other sexually transmitted infections

43. As started in chapter IV, one positive impact of sexuality education is increased involving of this/vincus and risks associated with sexuality transmitted intercents, indicating interview in an end of the second second second second second second second origins of years people, which though the part of a horizer transpire (or protecting the head) and rights of years people, which though the part of a horizer transpire (or protecting the head) and rights of years people, which though the part of a horizer transpire (or protecting the head) and reproduce the learning of the part of a horizer transpire (or particular transpire) and and reproduce the learning of the particular transpire (or particular transpire) and the horizer ducation. The particular transpire of the particular transpire (or particular transpire) and horizer ducation.

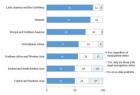
¹⁹ UMESCO. Jaternational Technical Gaidance on Sexuality Education.

64. Education about human assourity and serval and reproductive health's most impactful where school-based programmers are complemented with concentrally advises and services, including distributing contartors, training health providers and incohing partners, and reachers, Netli-component programmers, segregative thread where the services, are particularly effectively instally education with non-school-based sensibly education with non-school-based sensibly education with non-school-based youth-friendly health services, are particularly important to making many manufact young health providers in school.

VI. Education and migration

- 65. Immigrants and their children, sometimes even those been in the boat country, face various barriers in accessing quality education on lawning opportunities. They are less likely to be enrolled in evely childhood education, which can have a negative impact on their academic performance and lifetime educational attainment. Overcoming these barriers is critical to improving educational inducers for migrant children and preventing their integration into bott societies.
- 6. The proportion of <u>Boverneems grant originals access is public enclation water</u> across engines. Contrinsion in Datata de Southen Avia and In Easten and South-Easten Avia had the losest shorar of Governmers (S Dg nr cont aca) reporting that they preveled equal access to spatial exclusion for all migrarius, regardless of immigration status. Joint America and the Cardbear (D) proving Language and the Souther and Souther Hamilton and Cardbear (D) proving Language back on the Unit Finance XII.

Percentage of Governments with policies in place to provide equal access to public education, by region, 2021



Savore: World Population Phyliciss database C0231, Wried Mations Inquing among Devenments on Papalation and Development, available of www.in.org/downent/fearpot/data/mont-papalation-paticies. Metre: Read on 138 countries with available data (as at 31 Otober 3231). Pable education in this context refers to public preventionity, primary autobala and successful gradeary actions.

66 Think about!

Isn't ensuring that all individuals, regardless of their background, have access to public education the key to unlocking a more inclusive and prosperous society for everyone?

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- 67. Higuitan generates important economic benefits for countries of origin, with remittances being one of the most wielder and sizeble. The varial majority of remittances worldwide in 2022 (15440 Billion of \$702 Billion) were sent to low-ro middle-increase countries. Remittances can high so improve disclarized autometer in the mitance on child labour to increase and to deflay school valuated costs, potentially increasing school antenders.
- 48. However, the transaction costs of sending remittances remain high, severaling 6.4 per core in 2021, much higher than the Satasianable Development Coal target of less than 3 per cost by 2020. Efforts to Isaer remittance transaction costs and craster alternative, low-cost chararies backouts be prioritized, including those specified in the Additional Action Agenda of the Third International Conference on Financing for Development.
- 49. The countries of origin, the entregration of individuals with high bends of human capital and silitat non-weights concentrations; in them is produce concences in terms of producing, the providence of animates and the memory, a pleasahorshow human capital and silitat of the average sources, in many capital and entry that of the horizon sources in the memory and the average sources and the intervention of the capital source of the source capital and sources in the source capital and sources in the source capital and sources intervents for the foreign sources and the source capital sources and the memory of the capital source of the capital source of the sources and the three to the source and the sources and the sources and the three to the source of the so
- 70. The <u>blobal Compact for Safe, Orderdy and Regular Migration contained calls</u> for <u>Governments to facilitate the musual recognition of abilits, qualifications and competences of migrant workness at all skill levels and percente demand-driven skills development to operimize the recellopability of migrants in formal labour markets to contribute of distinguistics and in countries of origin spon return, as well as to ensure desent works in labour migration (see General Ascenthe requirours 73/10), sames).</u>

VII. Conclusions and recommendations

- 71. Population data from national population consistes, population registres and other sources, as well as geographically disaggened population projections, are fundamental inputs to policy planning in education. Population estimates and projections disaggeogated by age, sea and geography, together with data or school enrithment, attendance and completion, are needed for planning and to monitor the education-related targets of the Sustituinko Development Goals.
- 72. The school-age population is projected to decire in most regions over the next fee decise. Deciring summer bileant ensources that can be used to increase expendiance per student and improve the quality of education. However, school-age populations will control to grow in sub-Shahara Aritica, Northern Aritics and Verstein Asia, and Oceania feeching. Association and New Zealandy, quality of decision.
- Governments and the international community should ensure universal access to quality education at all levels, so that all people, including those with disabilities, Indigenous Peoples and other disadvantaged or vulnerable groups,

70 Did you know...

A framework for improving migration policies, including access to education for migrants. Ensuring educational access for migrants is crucial for their integration and contribution to host societies.

Global Compact for Safe, Orderly and Regular Migration (GCM)

¹⁰ DECD, The Road to Integration: Education and Migration , OECD Reviews of Nigrant Education (Paris, 2019).

have access to lifelong learning opportunities and can participate fully in society and contribute to sustainable development.

- 74. Policies that support the completion of secondary education, lacilitate schoolto-work transitions and remore barriers to employment can help individuals to obtain batter compensated, productive employment while benefiting the macroscroomy and lowering the costs of unerendowneed insurance.
- 75. Education serves to calse public awareness of pressing global environmental problems, such as global summing, lass of biodiversity and manual pollution, and may encourage young people to be more environmentally correctious. Interstimetis in education about the environment and sustainable development are critical to meet global development objectives and to combat climate charge and environmental degradation.
- 76. Education and family planning programmes help to reduce both wanted and unsamted tertility and affect the poxe of fartility decline. Education programmers bluid raise awareness about available optimism for tanih) planning and should affirm the right of all persons to docide, freely and responsible, the number of children that they with to have and the timing of their brits.
- 77. School-saxed sexuality doctation is a creatial and cost-effective means of a protecting the health and rights of propopole and thosing be part of a holicitic strategy to engage young people in Hearing about their sexual and reproductive health and rights of the sheafth and health and the sheafth and health and
- 78. Bridge obtactional levels are associated with improvements in population health and wrink. Health outpends for children are usually batter when parents are well educated. Governments are encouraged to expand access to health care for all and to promote health literary and education babter behavioural factors allocting health, including for persons with lower educational levels.
- 79. Lifebrag learning should be made available across the age range, including working-age adults and older persons, enhancing their employment prospects by teaching transferable skills. Coversments are encouraged to provide adults and healthy ageing and to implement lifetong learning policies in response to changing thermographic transferation and labour method methor media.
- Governments are encouraged to provide universal access to education for all migrants, regardless of their immigration status.
- 81. Governments should invest in skills development and facilitate mutual recopation of the skills, sublicitations and competences of migrar waters at all letted, pomoring demand-drives skills development to optimize migrant emphasibility in termilabourn metrics are descring access to development in the high-drives political forum on subtractube development in 3023 and the upcoming <u>Signatube Bendermannet</u> associations the states may within consistent the inlarges between polycloins change and access to subtraditional polycloins and and access to subtractube development.



An upcoming opportunity for nations to reaffirm commitments and strategies for achieving the SDGs, including educational targets. This summit will be critical for assessing progress and mobilising resources to meet global education goals.

2023 SDG Summit