

New estimates and projections of global and regional trends in the school-age population (SAP)

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Outlines

1. Introduction

- 1) Classifications of SAP by country**

2. Trends of SAP of the World and SDG Regions (Numbers, %)

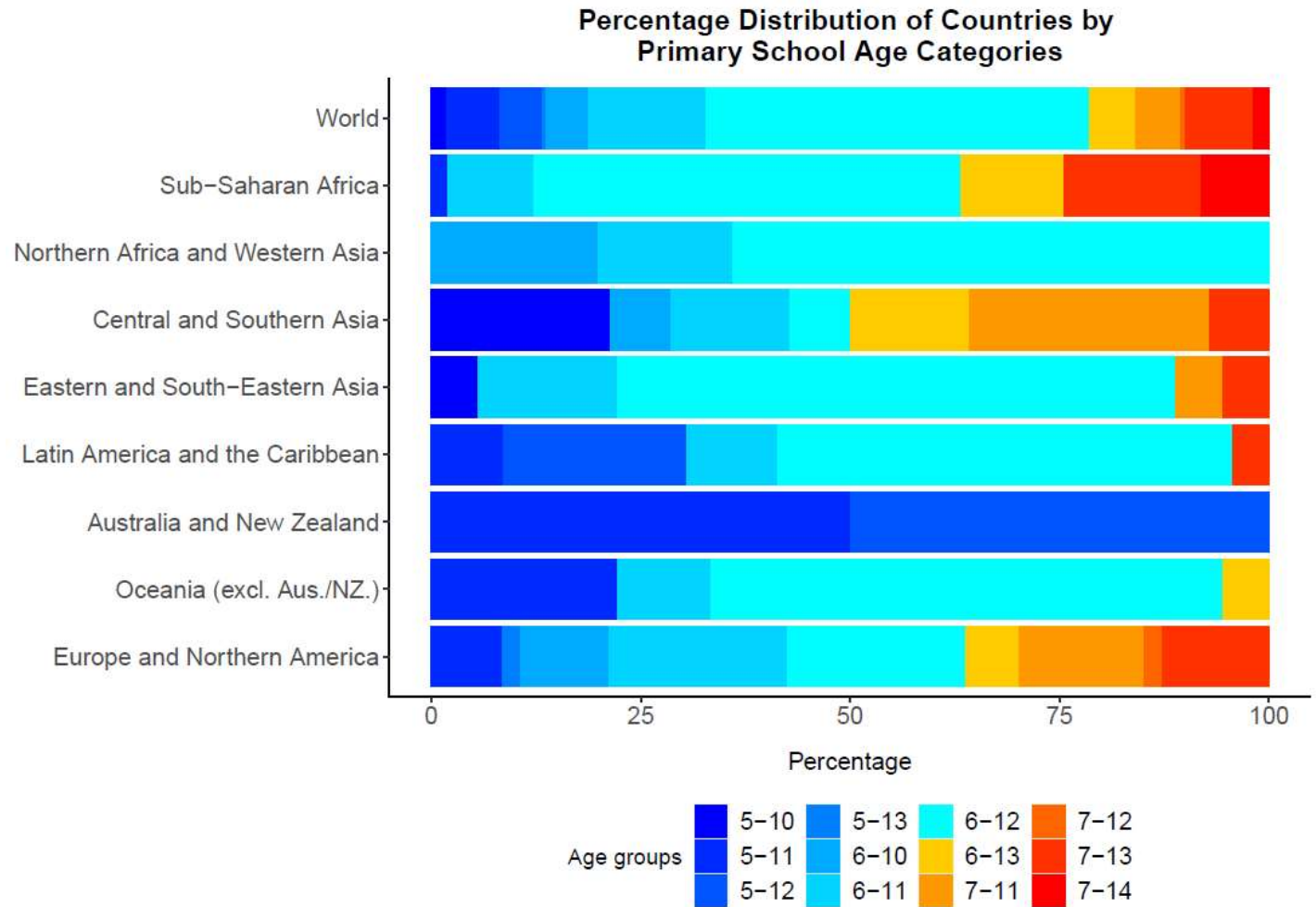
- 1) World Population Growth**
- 2) Trends of SAP of the World and SDG Regions**
- 3) Countries with largest increase and decrease in SAP**

3. Sex ratio of SAP & SAP growth - Education

4. Summary

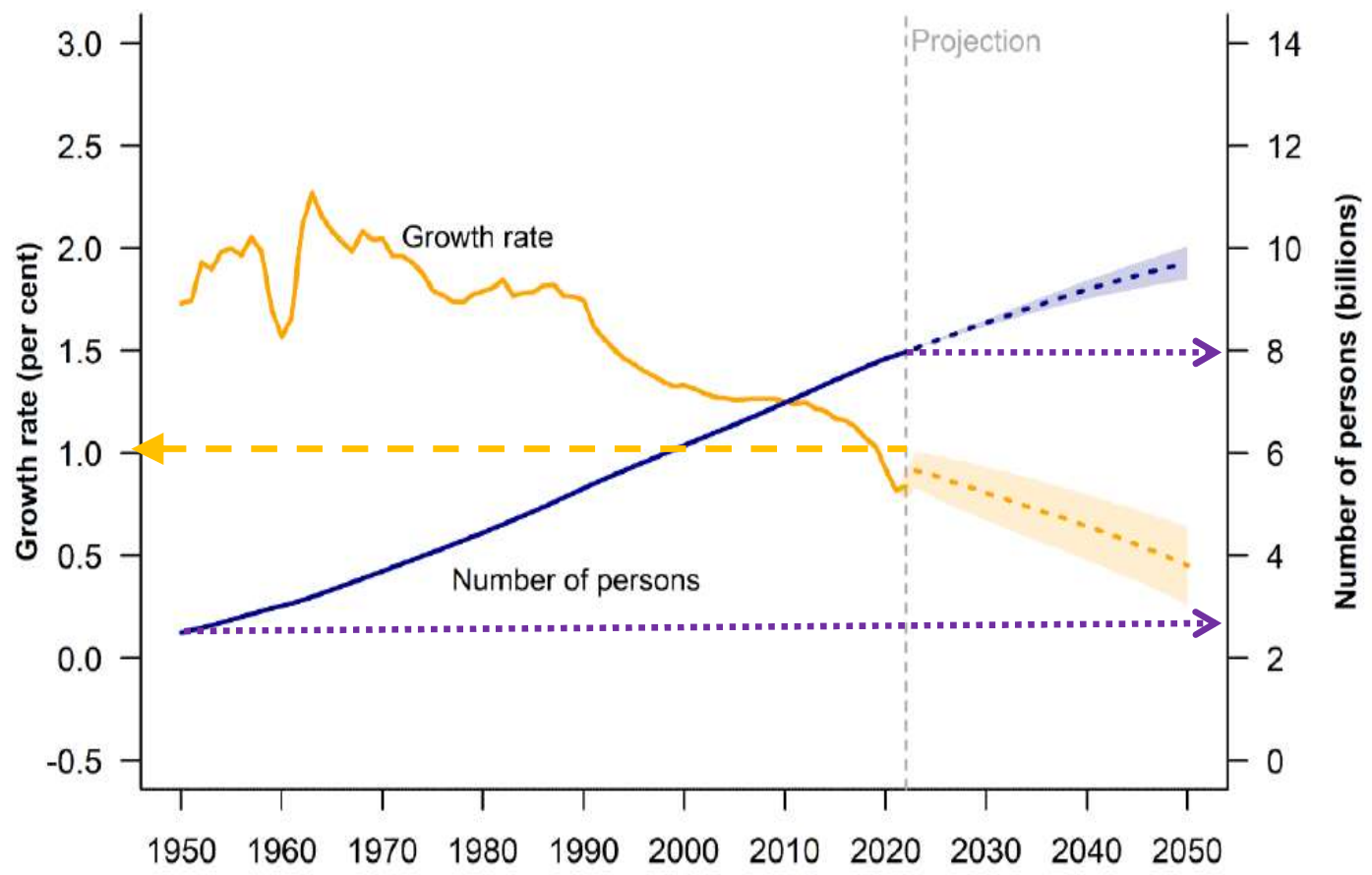
Most common age range for schooling

- Primary school
 - "6-12" ~ 46%
- Lower secondary school
 - "12-15" ~ 32%
- Upper secondary school
 - "15-18" ~ 31%



Global population size and annual growth rate: estimates, 1950-2022, and medium scenario with 95 per cent prediction intervals, 2022-2050

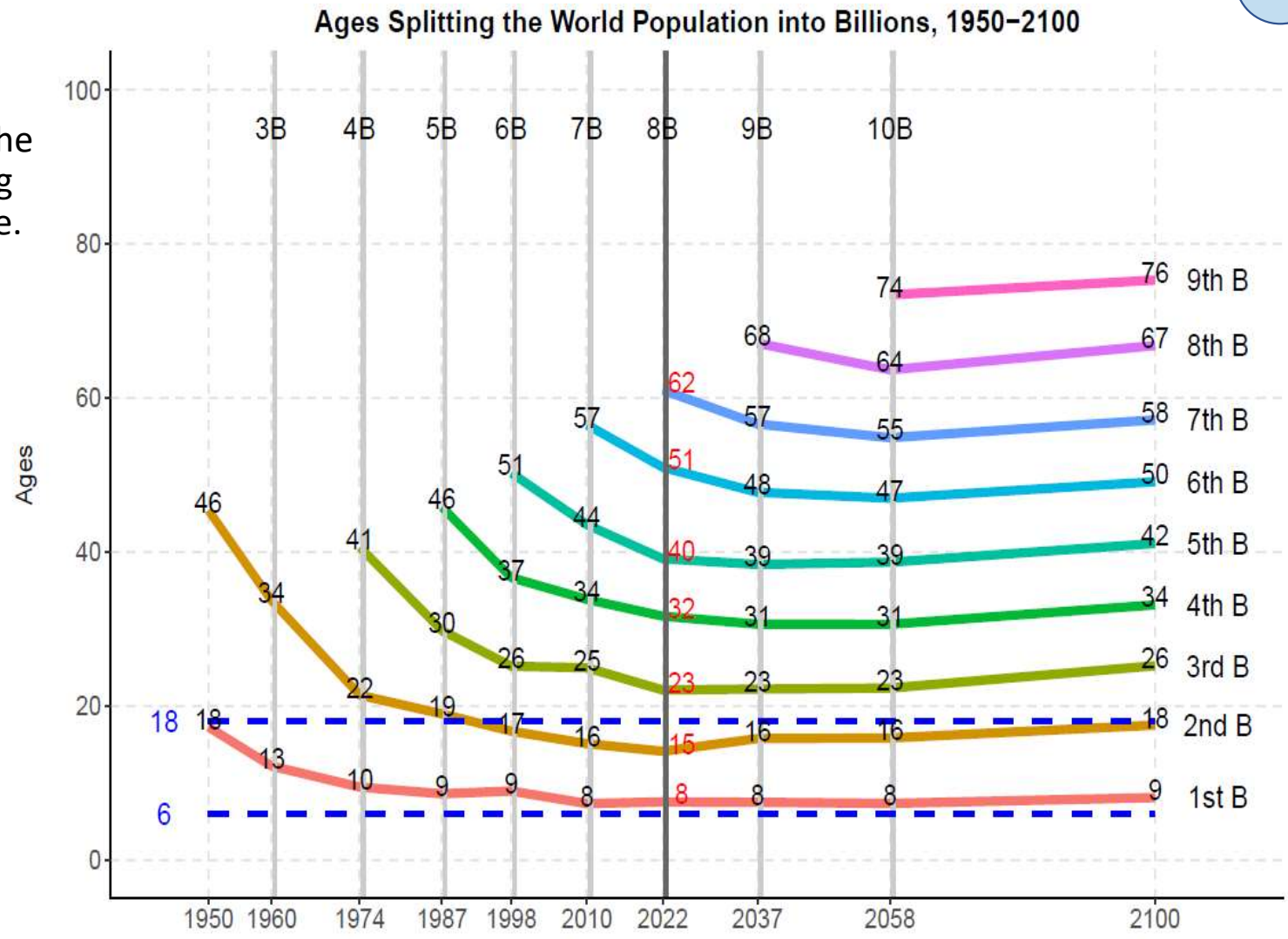
- ❑ World population steadily grows albeit with a slower pace
- We have witnessed 3 b to 7 b since 1950.
- Growth rate rated below 1% i 2020



Sources: United Nations (2022, p3).

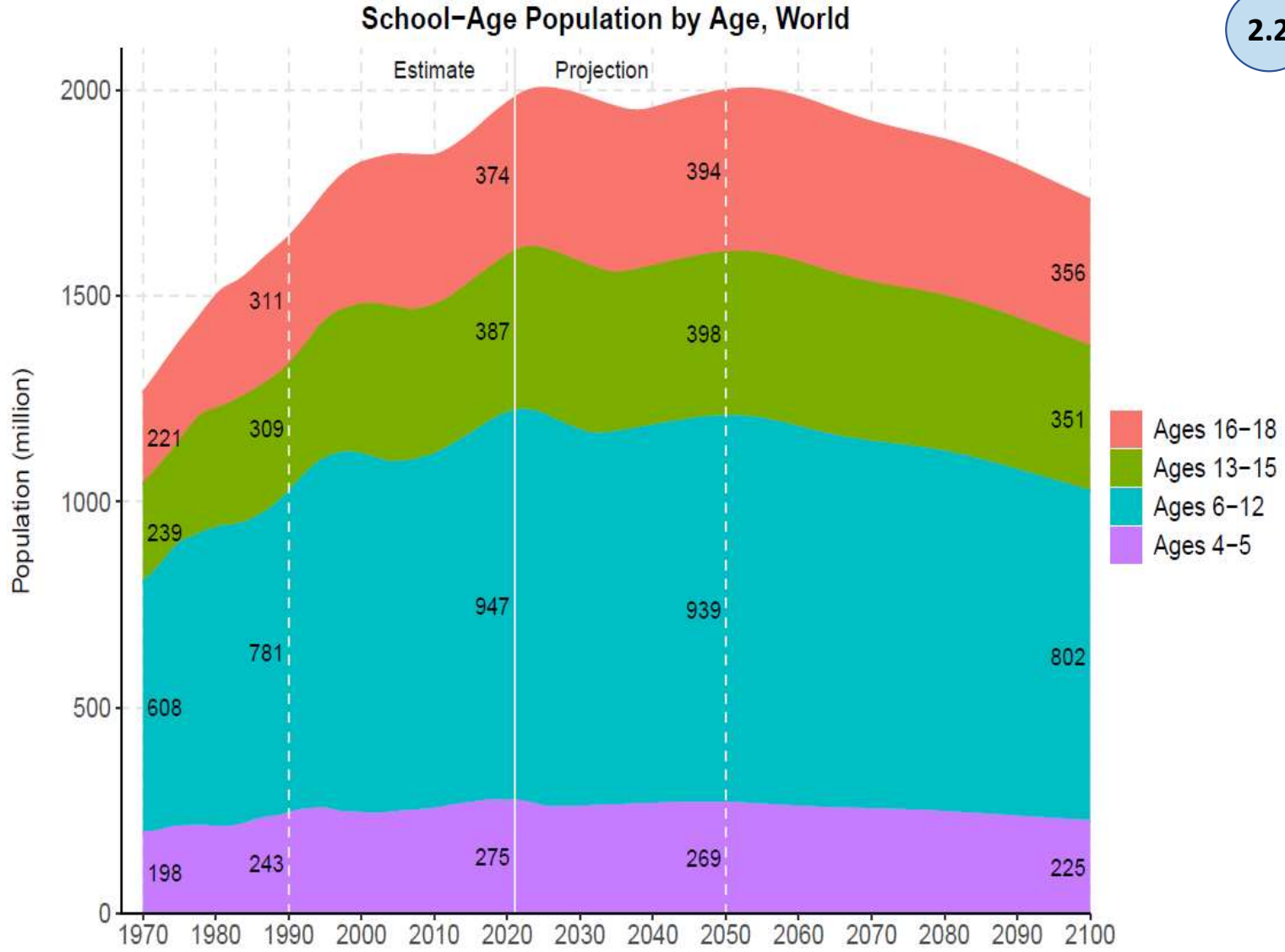
Ages that split each billion of the world population are becoming younger and younger over time.

- 2021: 2.5 billion population below age 18
 - Ages 0-7: 1st billion
 - Ages 8-14: 2nd billion

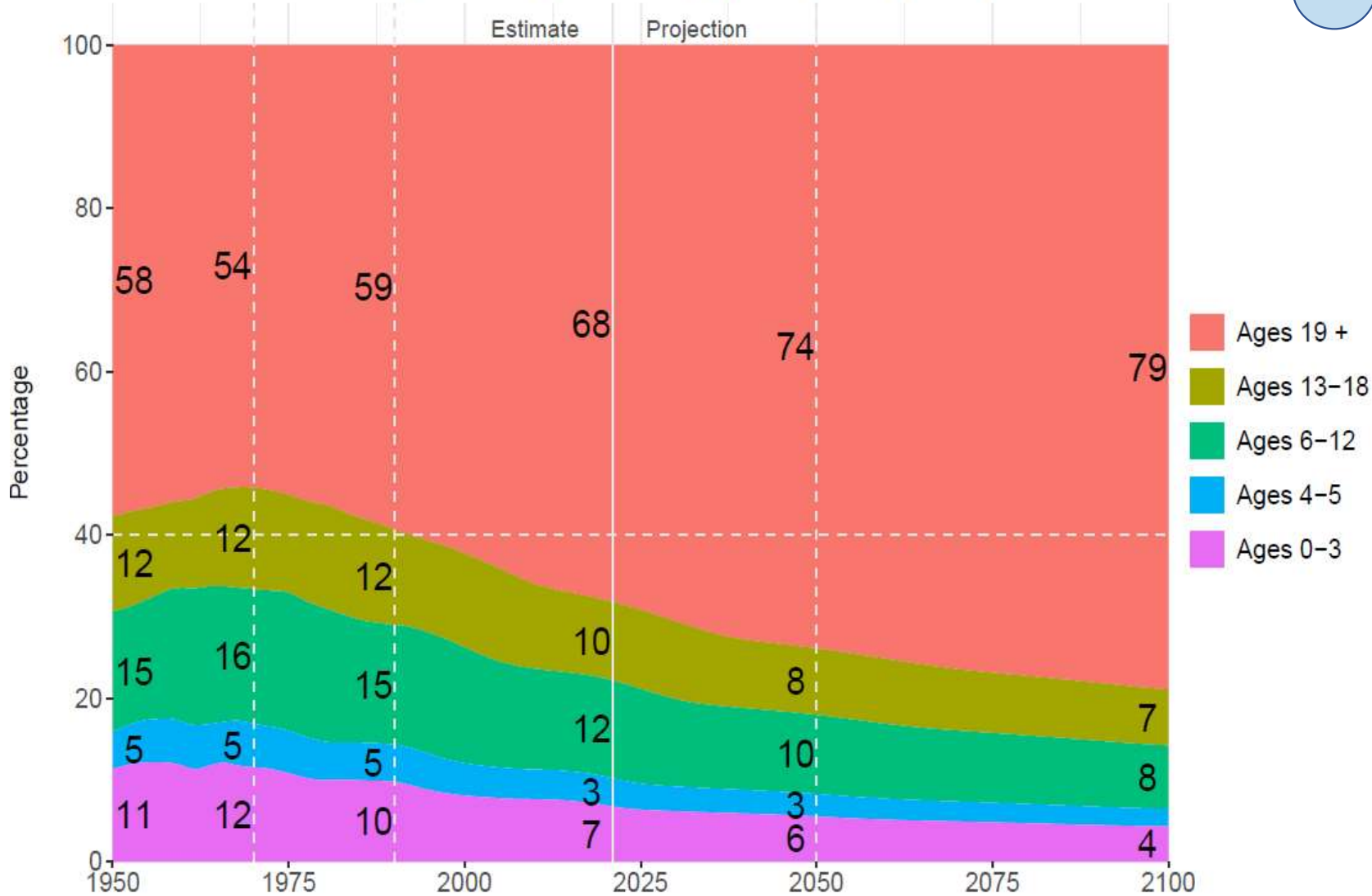


SAP has been growing rapidly, reaching nearly **1.7 billion** in 2022 (or 2 B if including pre-SA).

- Ages 4-5 (pre-SAP)
 - +40% in 1970-2021
 - +13% in 1990-2021
- Ages 6-18
 - + 57% in 1970-2021 (55-77% by age)
 - +20% in 1990-2021 (20-25% by age)



Age Composition of the World population, 1950-2100



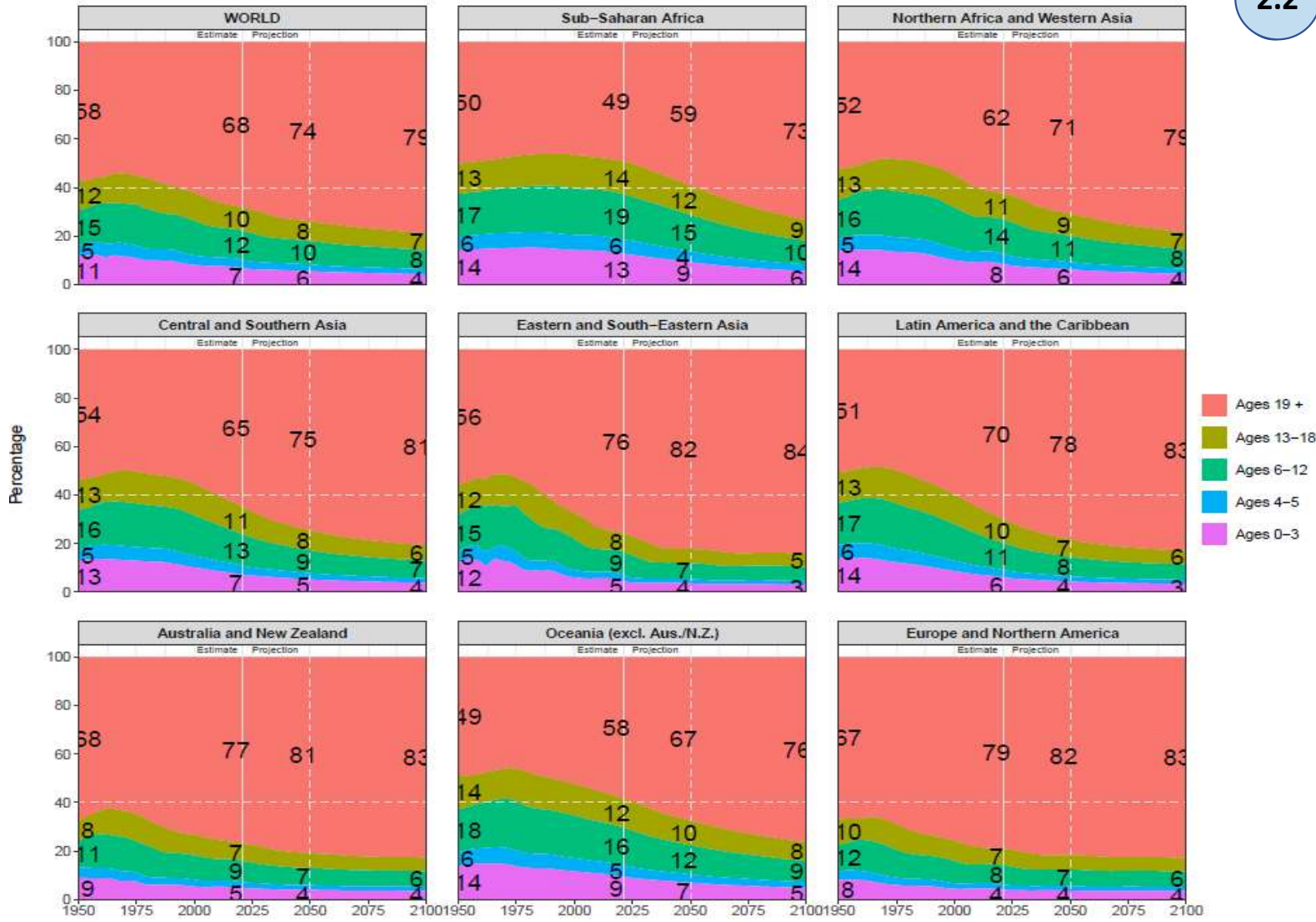
Globally, shares of SAP is declining with a slower pace since 1990

- 3% points per decade in 1990-2021
- 2% points per decade in 2021-2050

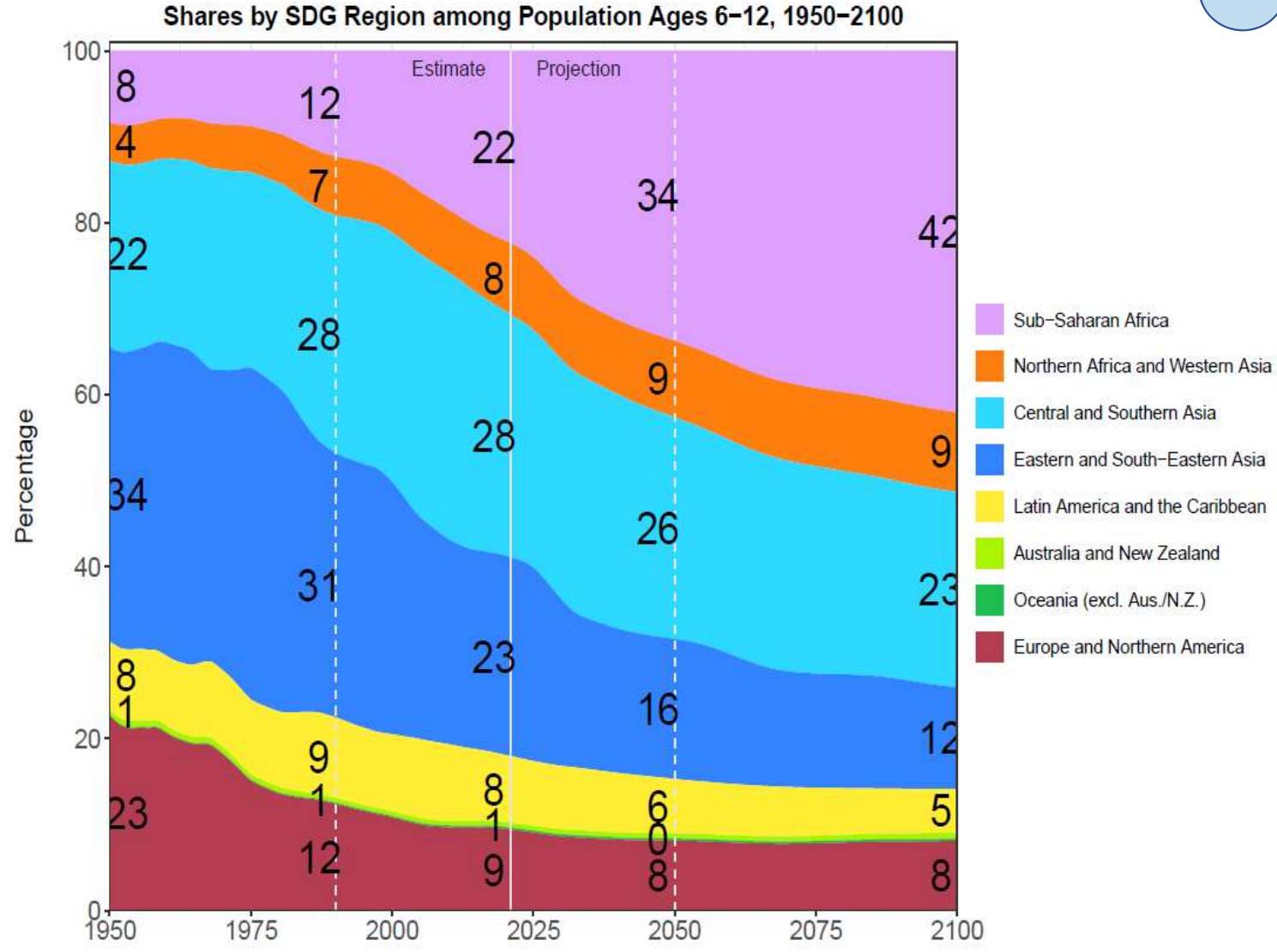
Age Composition of population by Region, 1950-2100

Level of share of SAP and decline pace :

- Highest in SSA – 51%
- Lowest in ENA – 21%
 - Less than 25% in ANZ & ESEA
- Declined by 10% points each in SSA, NAWA and CSA



- CSA: 28%, not much change
- Share by SSA increased rapidly
- Share by ESEA declined rapidly
- ESEA and CSA shared 60% in 1990 and now 51%
- ENA declined from 23% in 1950 to 9% in 2021
- 1990-2021
 - SSA: +10 % points
= sum of reductions in almost all other regions
 - ESEA: -8% points
 - ENA: -3% points
- 2021-2050
 - SSA: +12 % points
= sum of reductions in almost all other regions
 - ESEA: -7% points
 - LAC: -2% points

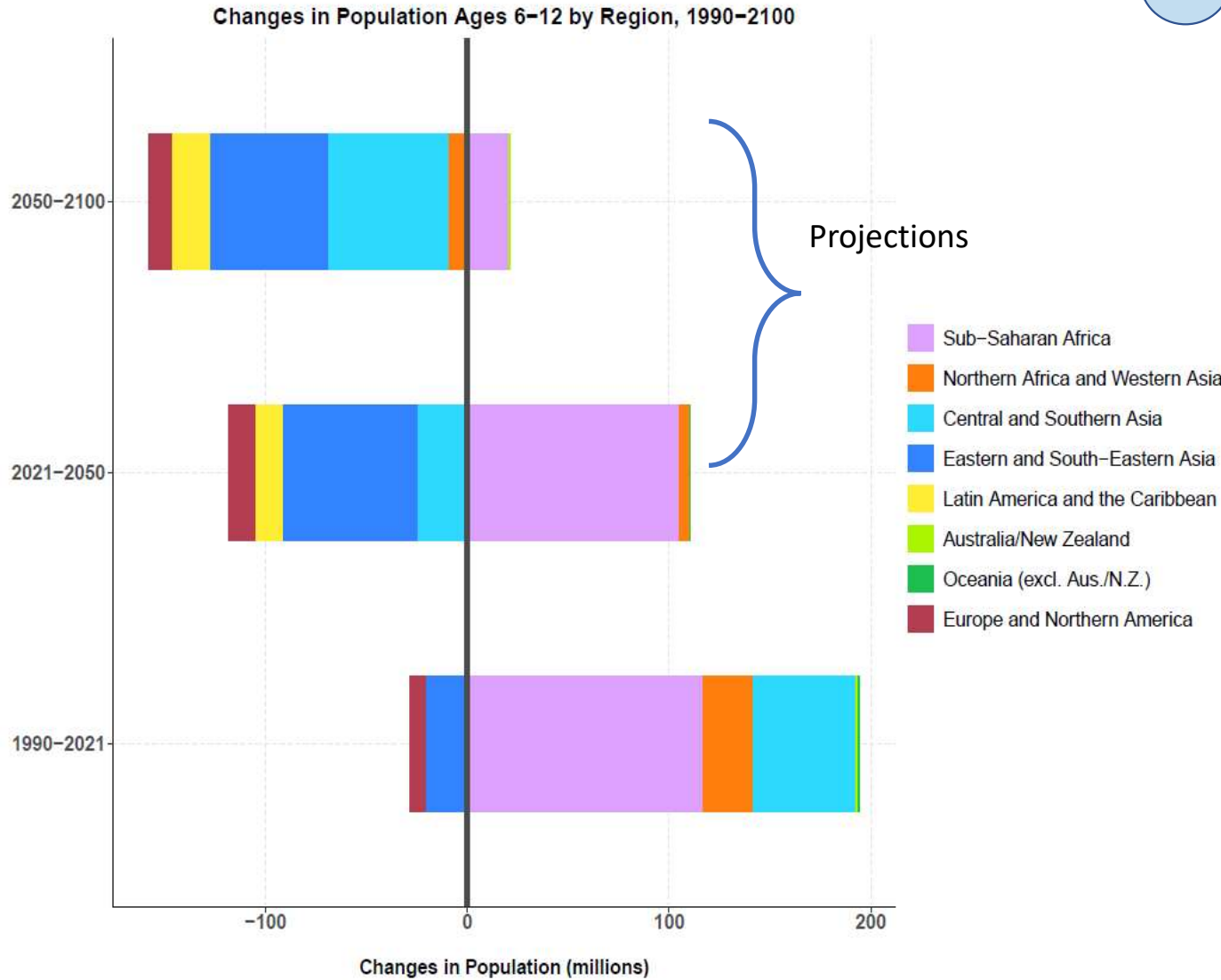


☐ **Added populations**

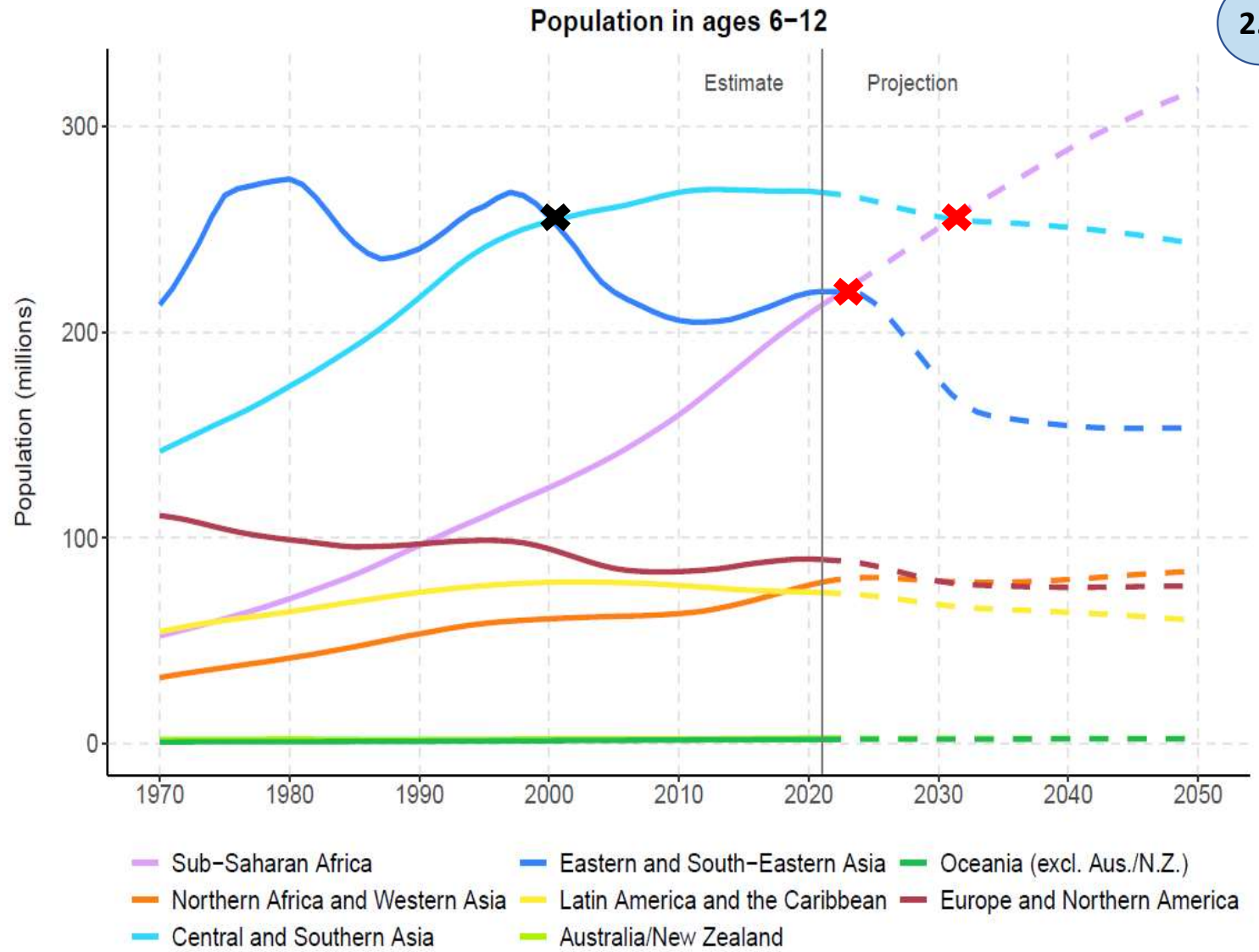
- 1990-2021
 - SSA: >60%
 - CAS: 26%
 - NAWA: 13%
- 2021-2050
 - SSA: >95%
- 2050-2100
 - SSA: >99%

☐ **Lost populations**

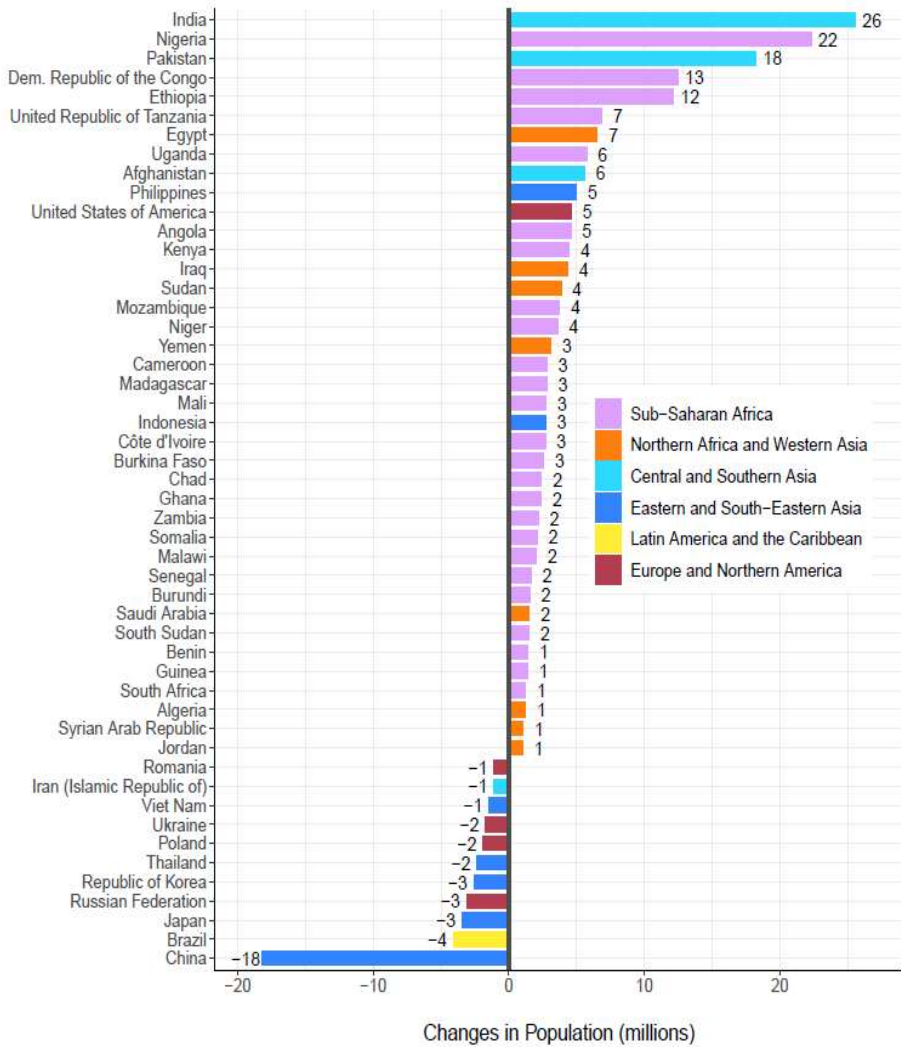
- 1990-2021
 - ESEA: ~73%
 - ENA: ~ 27%
- 2021-2050
 - ESEA: ~56%
 - CSA: ~ 21%
 - ENA: ~12%
- 2050-2100
 - ESEA: ~ 38%
 - CSA: ~ 39%
 - LAC: ~ 12%



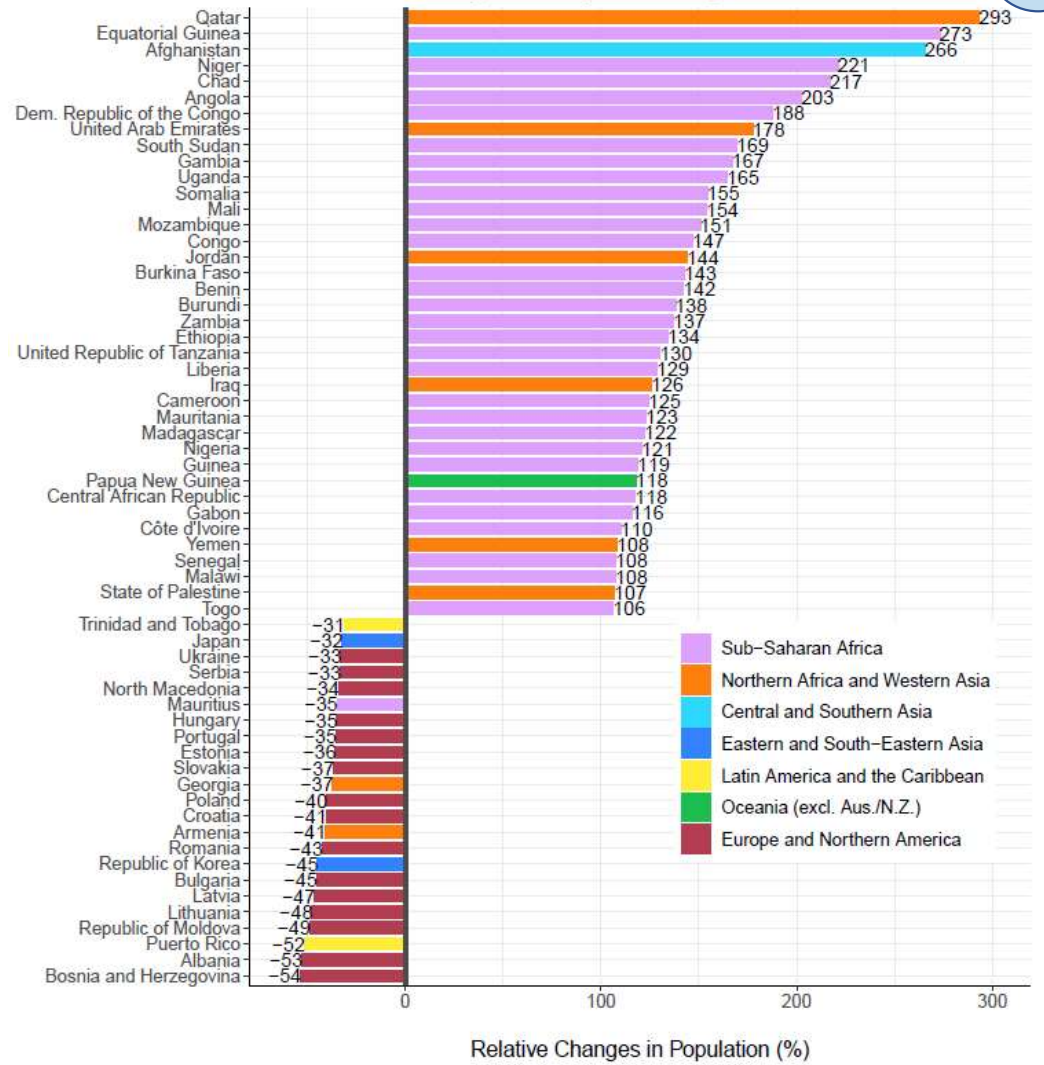
- **CAS grew rapidly** before 2000
 - SSA overtake ESEA in 2025 and CSA in 2032
 - CSA exceeded ESEA in 2000
- **SSA grows rapidly** since 1970
 - SSA overtake ESEA in 2025 and CSA in 2032
 - CSA exceeded ESEA in 2000
- LAC: some decrease in 2021-2050



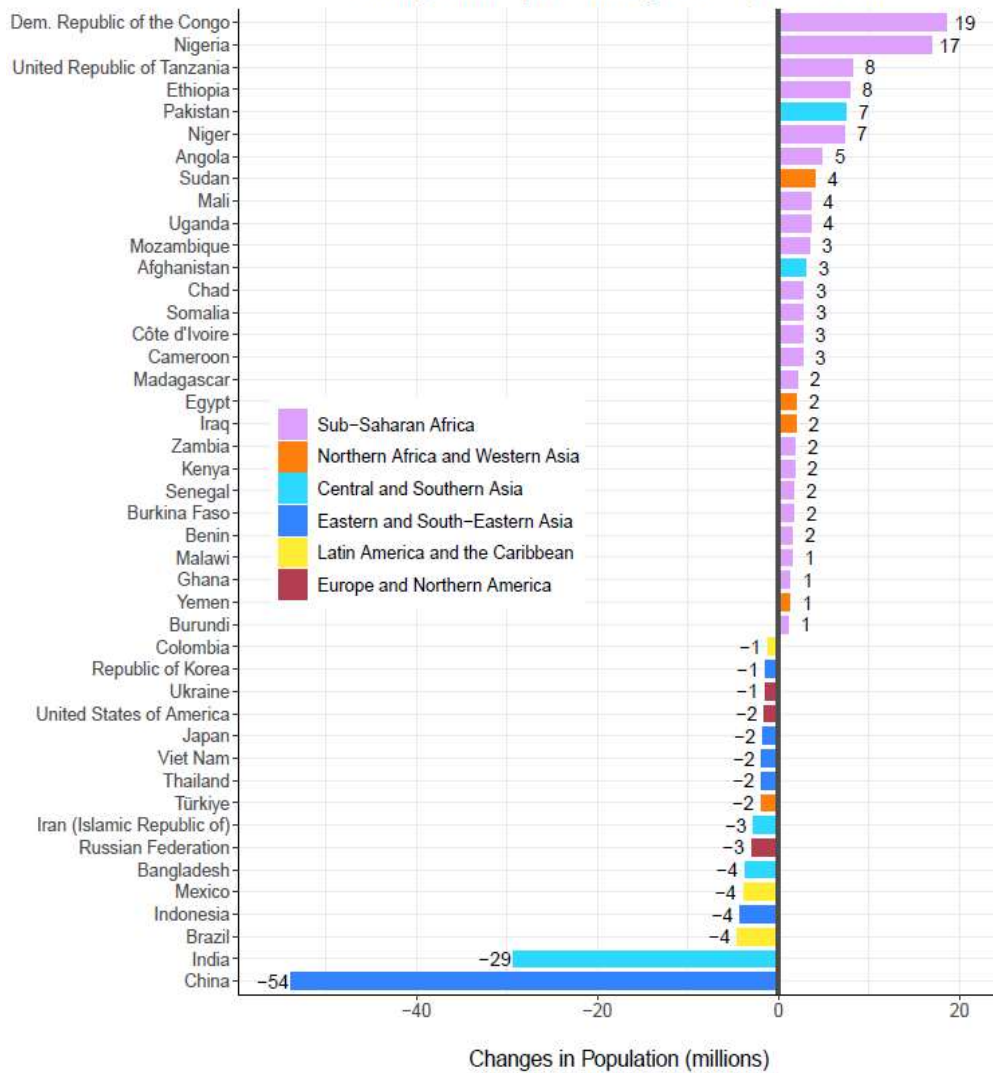
Changes in Population Ages 6-12, 1990-2021



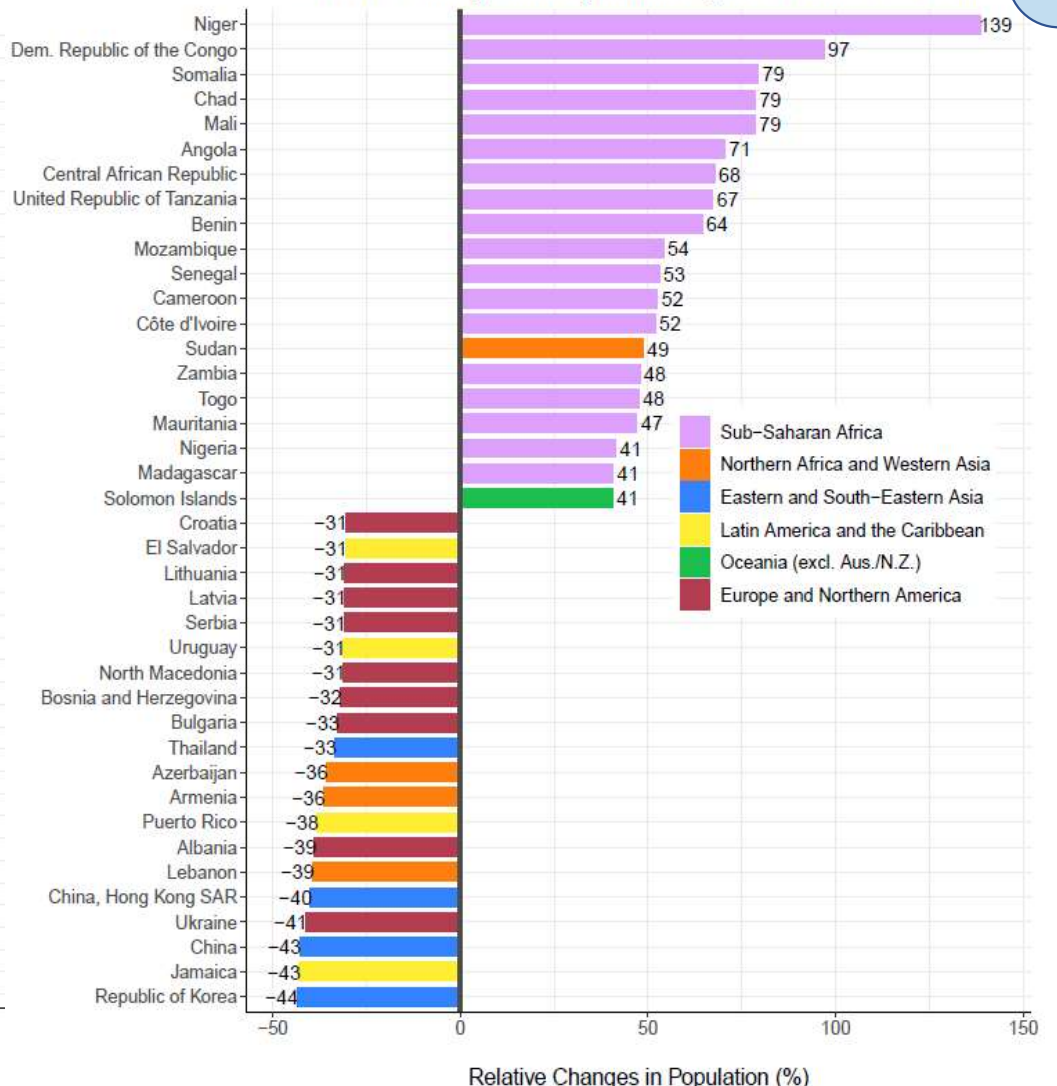
Relative Changes in Population Ages 6-12 in 1990-2021



Changes in Population Ages 6-12, 2021-2050

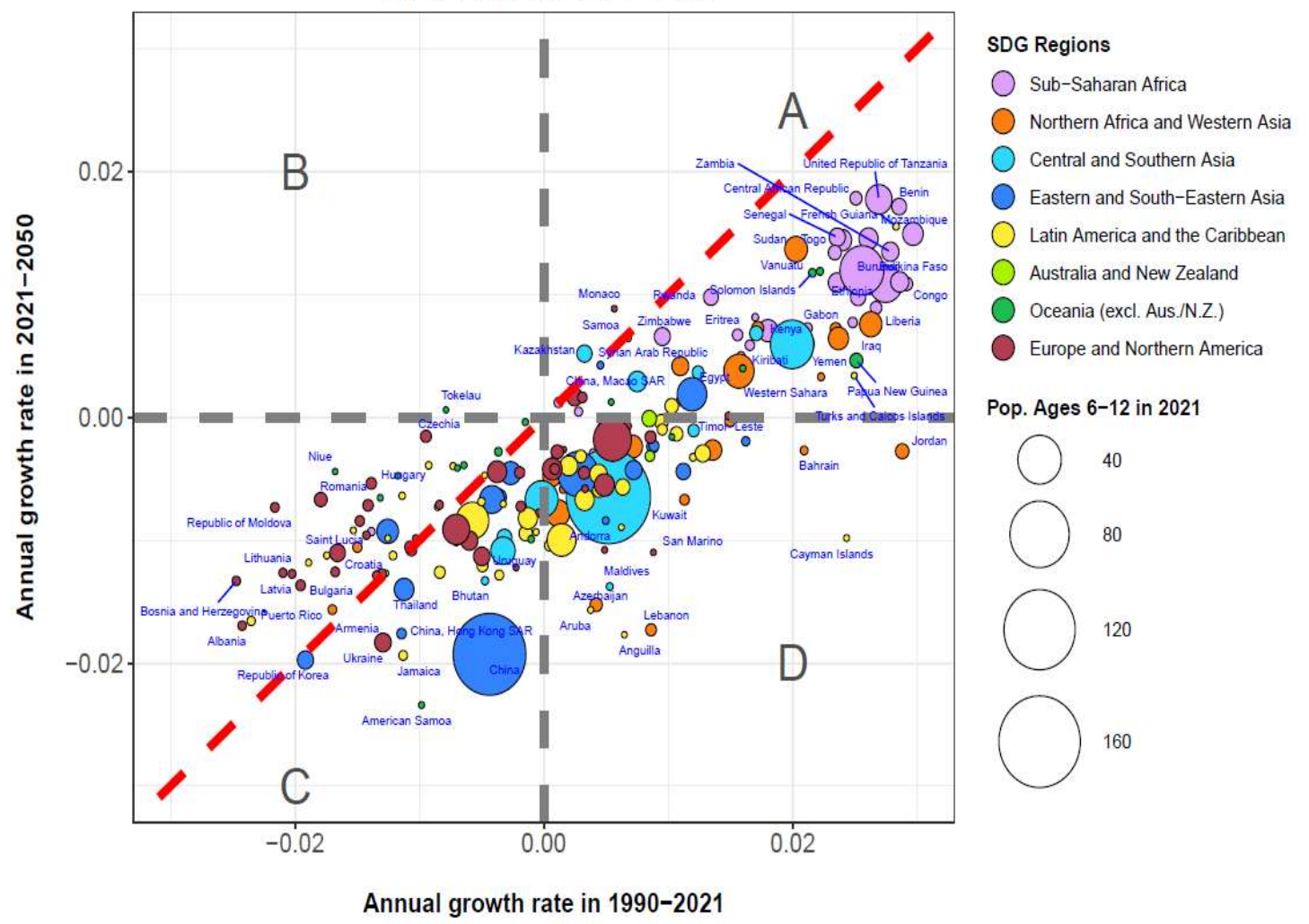


Relative Changes in Population Ages 6-12 in 2021-2050



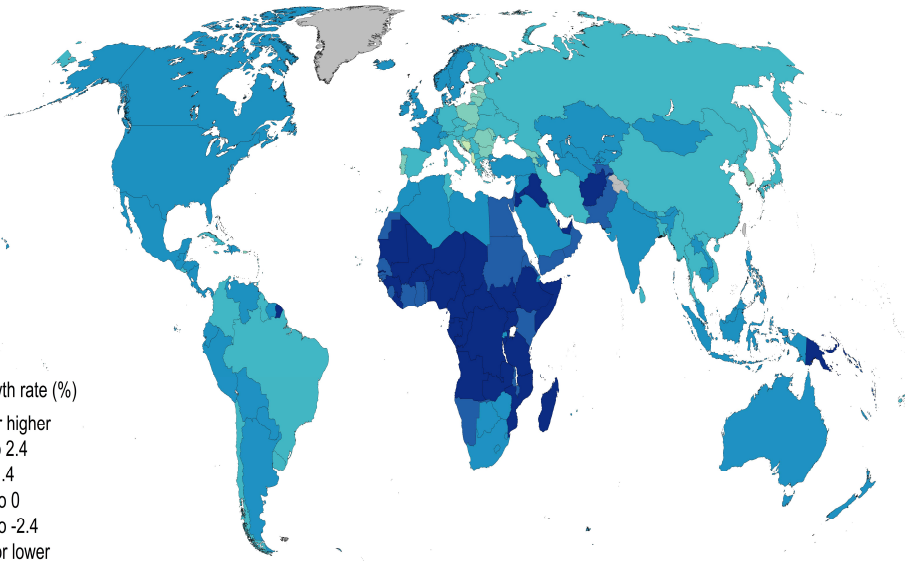
Annual Growth Rate of Population Ages 6-12
2021-2050 vs. 1990-2021

- Most SSA countries in Zone A
- Many ENA and ESEA countries in Zone C
- Many CSA and LAC countries in Zone D



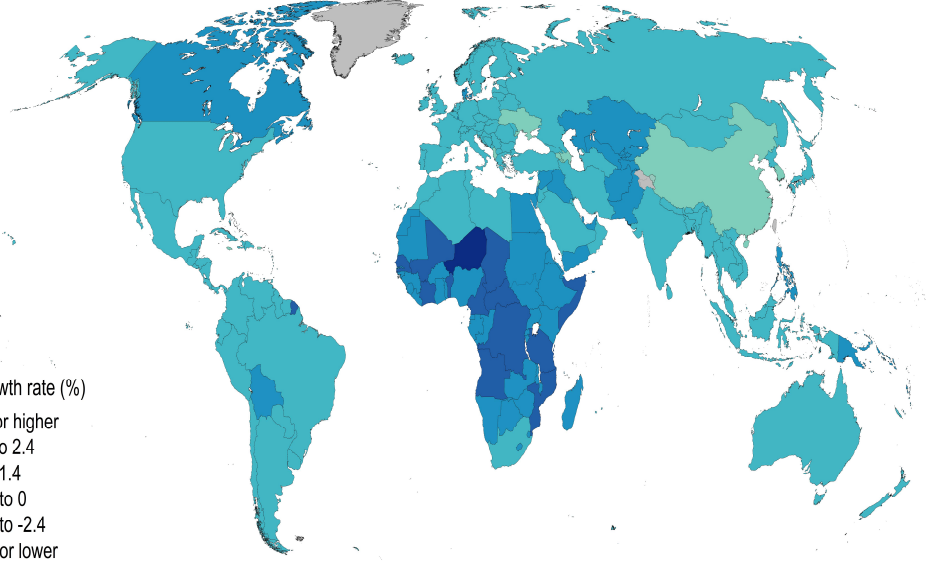
Annual Growth Rate of School Age Population (Ages 6-12), 1990-2021 and 2021 -2050

1990-2021



- Annual growth rate (%)
- 2.4 or higher
 - 1.4 to 2.4
 - 0 to 1.4
 - 1.4 to 0
 - 1.4 to -2.4
 - 2.4 or lower
 - No Data

2021-2050



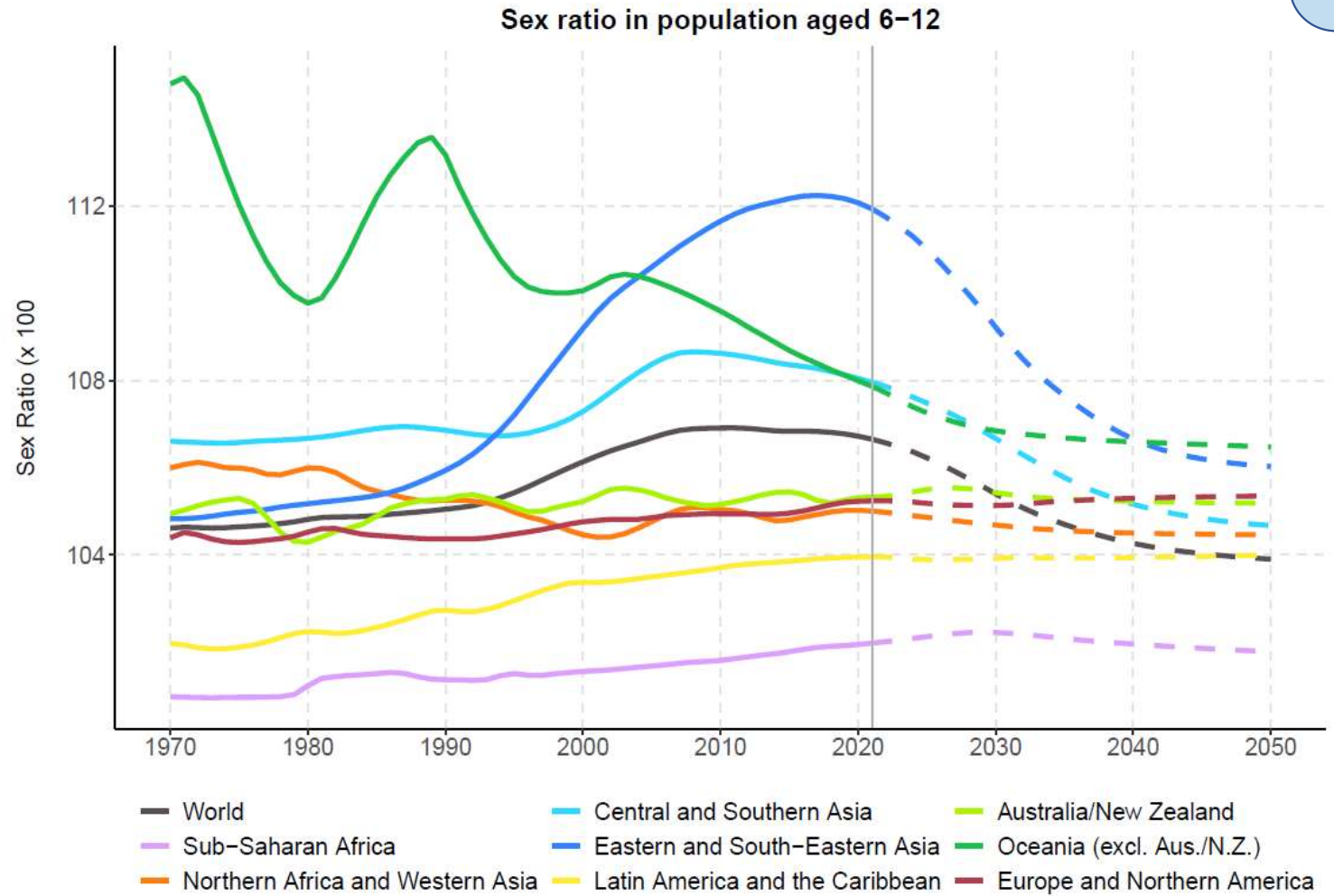
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Data source: World Population Prospects 2022.
The designations employed and the presentation of material on this map do not imply the expression of any opinion whatsoever on the part of the Secretariat of the United Nations concerning the legal status of any country, territory, city or area or of its authorities, or concerning the delimitation of its frontiers or boundaries. Dotted line represents approximately the Line of Control in Jammu and Kashmir agreed upon by India and Pakistan. The final status of Jammu and Kashmir has not yet been agreed upon by the parties. Final boundary between the Republic of Sudan and the Republic of South Sudan has not yet been determined. A dispute exists between the Governments of Argentina and the United Kingdom of Great Britain and Northern Ireland concerning sovereignty over the Falkland Islands (Malvinas).

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Sex ratio has been around 107 and is projected to decline.

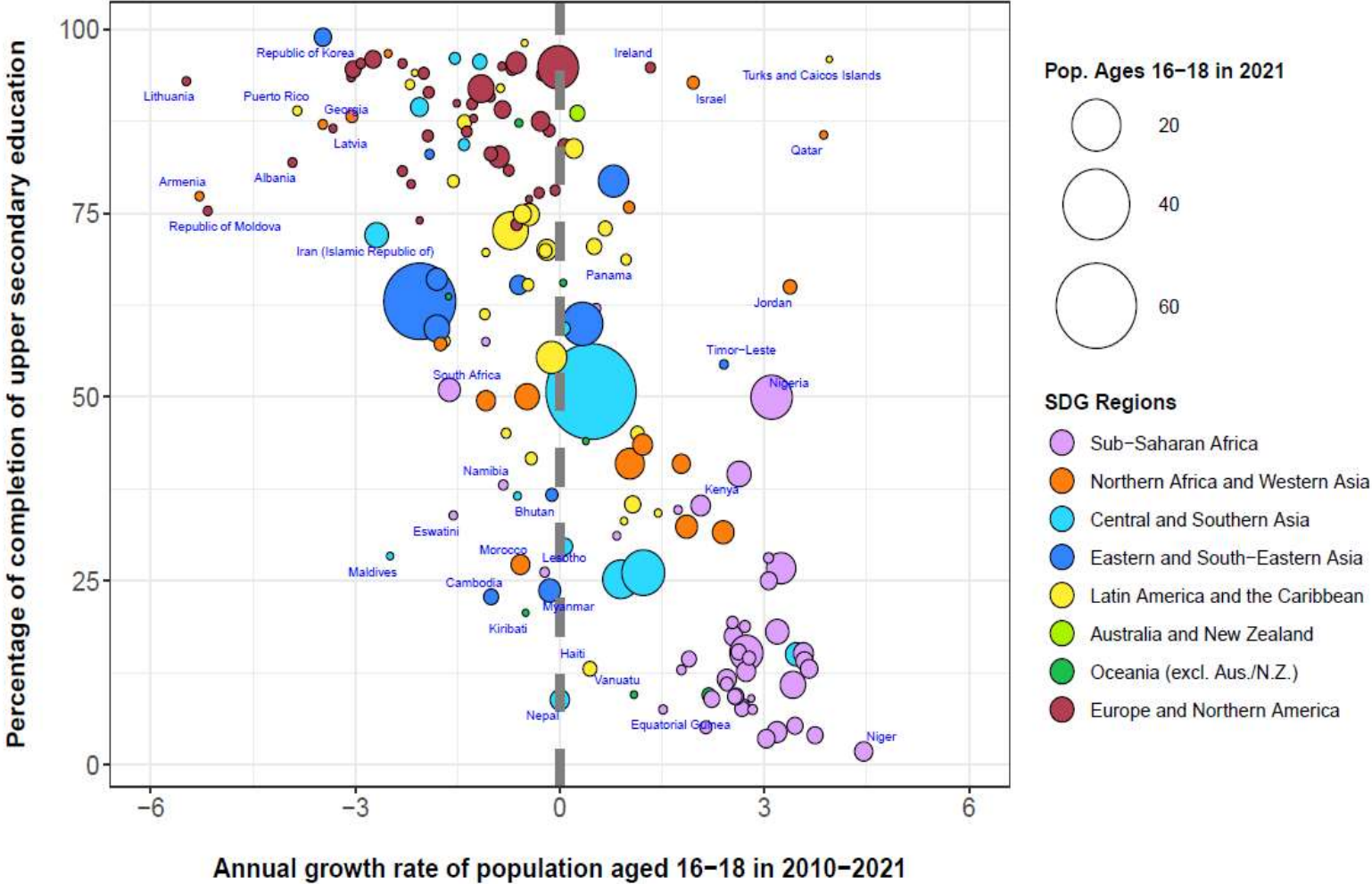
- Highest in ESEA > 110
 - Sharply increased after 1980s
- Lowest in SSA < 103



Completion of upper secondary education and the annual growth rate 2010–2021

for population aged 16–18, Girls

A clear negative association between % of completion of upper secondary education and their population growth rate



Take home messages:

1. Whereas the world's SAP had a steadily growth in numbers in the last few decades and is projected to continue the trend with a slower pace, its % share among the total population has been steadily decreasing, albeit also with a slower pace.
2. Vast majority of the added SAP in the future are projected to be in countries in SSA.
3. ESEA countries are projected to have a substantial decrease in SAP in coming decades.
4. Many ENA countries are projected to continuing their decreasing trends in SAP in coming decades but are relatively small at the global scale.
5. High growth rate of SAP in most countries in SSA is a challenge to achieve SGD 4 given the lower education in the region.