



United Nations  
Educational, Scientific and  
Cultural Organization

# Supporting Teachers through Global Challenges with the Science of Learning

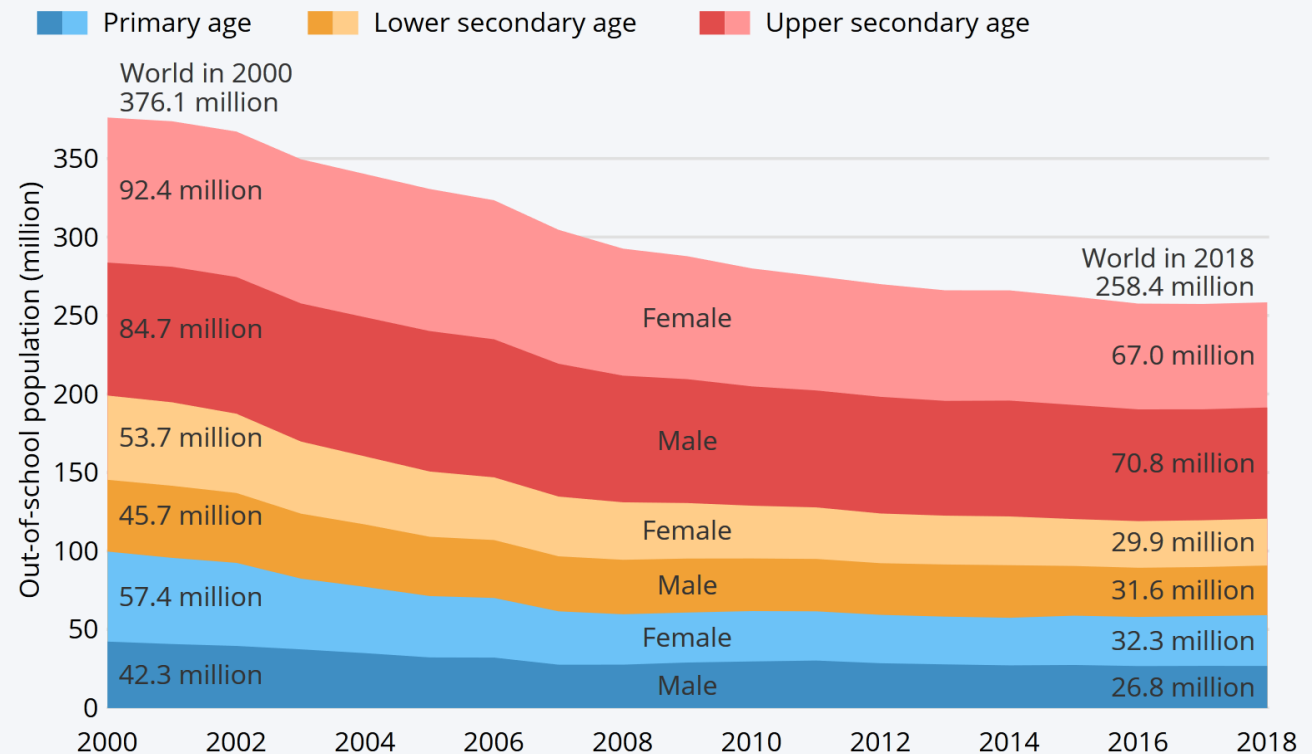
Sonia Guerriero, PhD (18 June 2020)



**Globally,  
258 million  
children  
and youth  
are out of  
school**

**FIGURE 1**

Global number of out-of-school children, adolescents and youth, 2000-2018

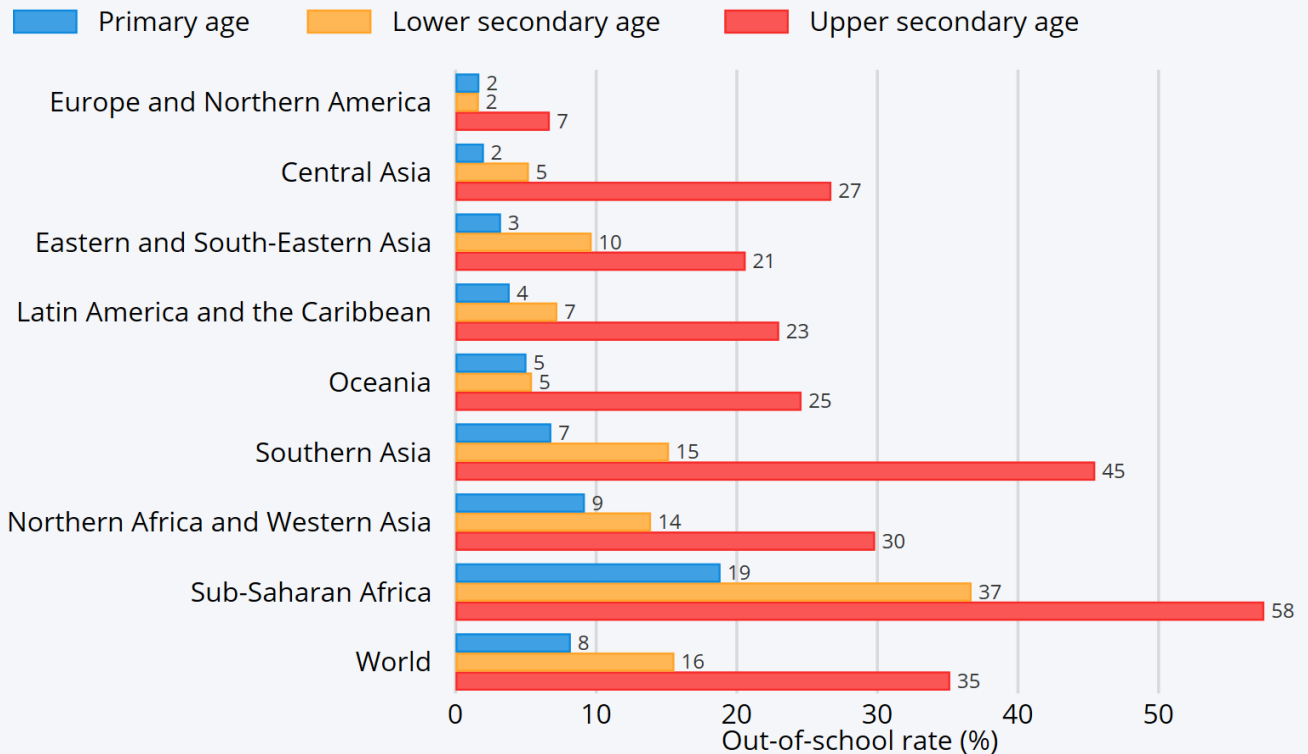


Source: UNESCO Institute for Statistics database.

**Sub-Saharan Africa and Southern Asia have the largest share of out-of-school children and youth**

**FIGURE 4**

Out-of-school rate by region and age group, 2018

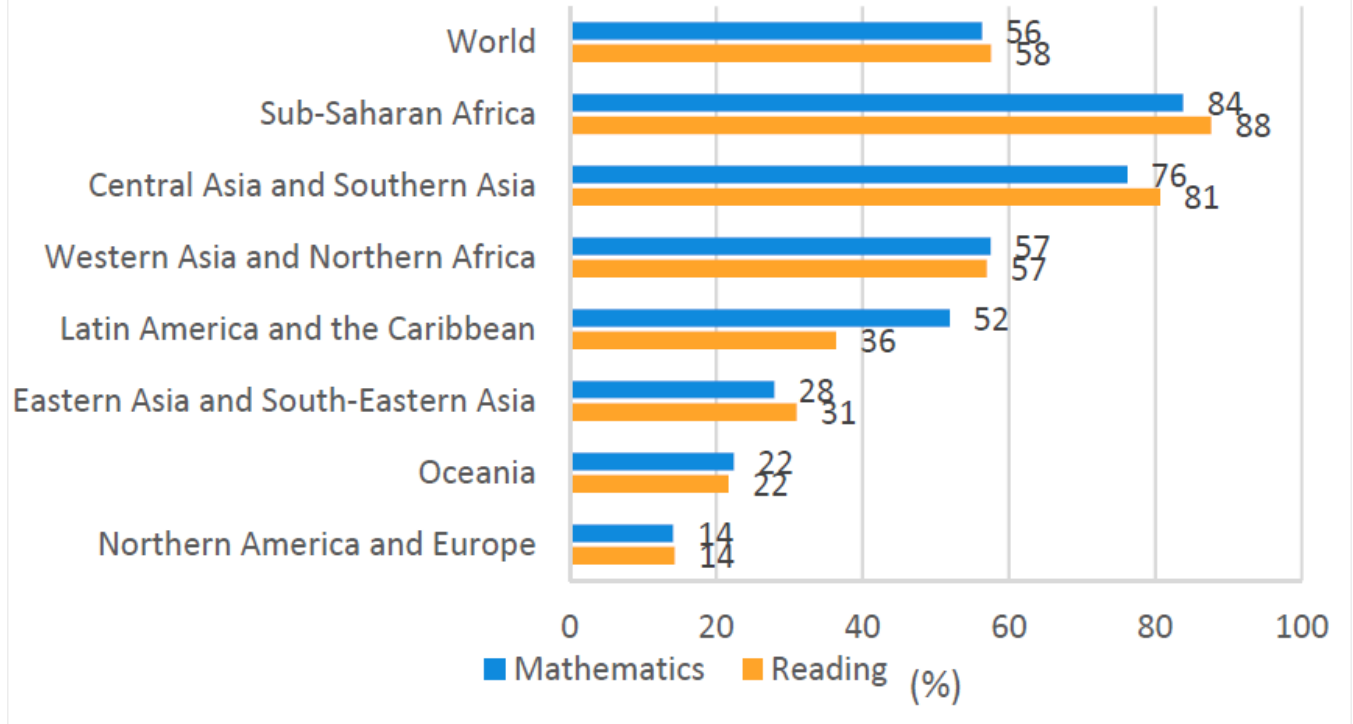


Notes: Regions are sorted by the primary out-of-school rate.  
Source: UNESCO Institute for Statistics database.

# Children and Youth Not Achieving Minimum Proficiency Levels

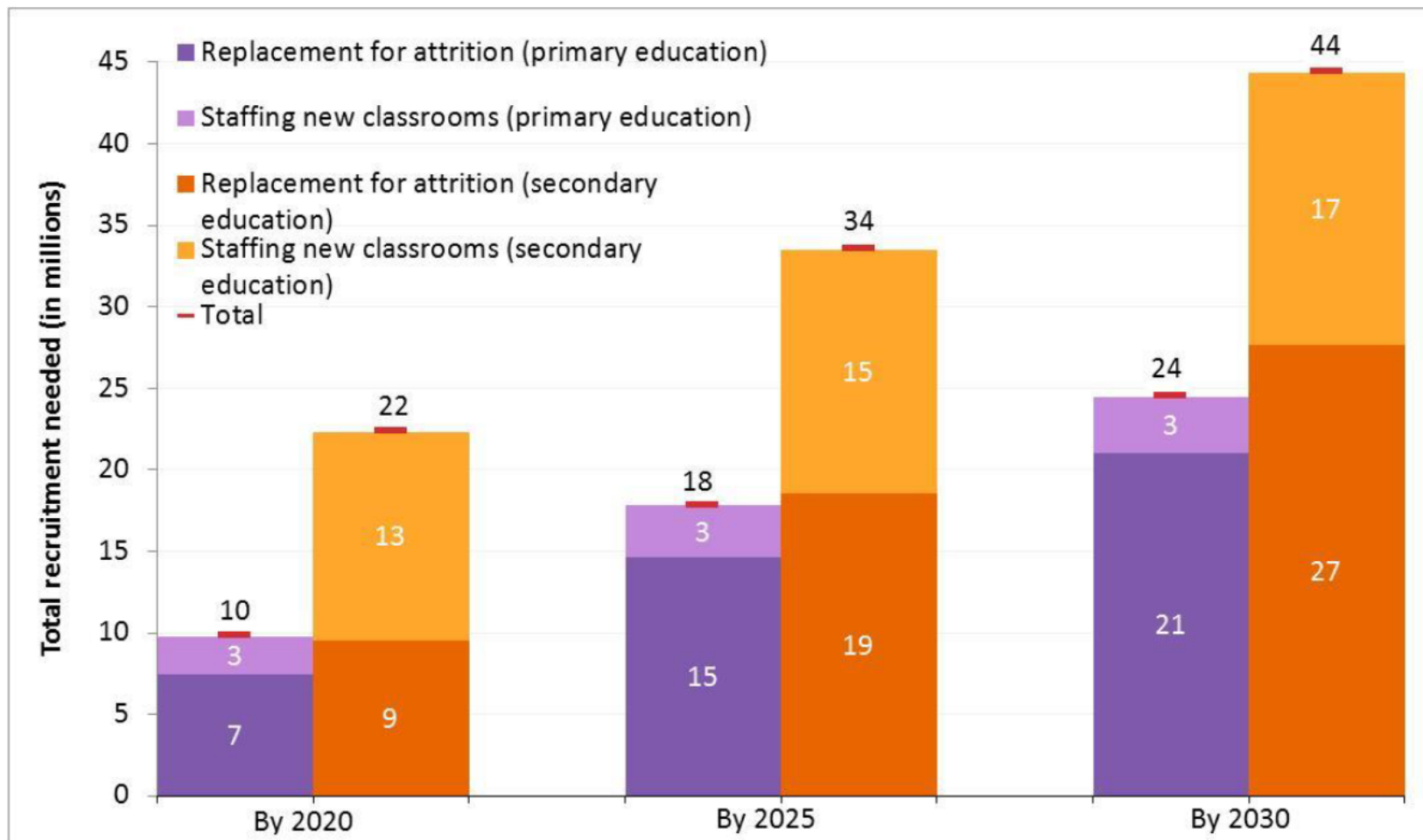
**Globally, more than 617 million children and adolescents are not achieving minimum proficiency levels (MPL) in reading and math**

**Proportion of children and adolescents not achieving MPLs in mathematics and reading, by SDG region (UNESCO Institute for Statistics, 2017)**



# The Global Teacher Shortage: 68 Million Teachers

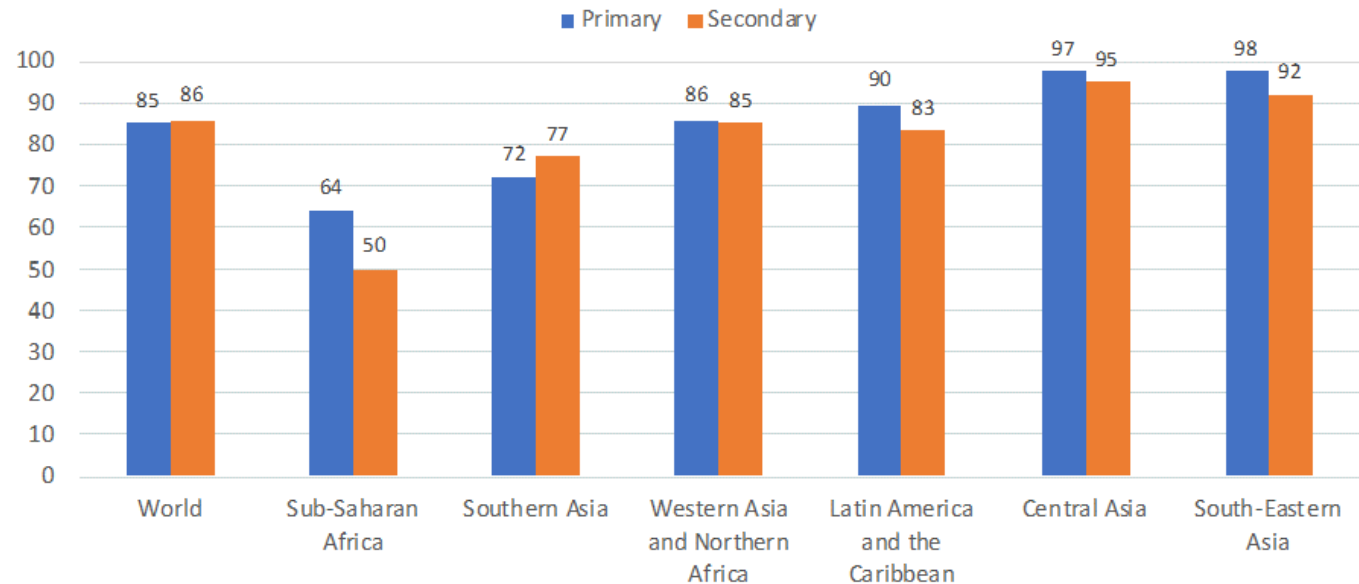
**FIGURE 1. GLOBAL NUMBERS OF TEACHERS NEEDED TO ACHIEVE UNIVERSAL PRIMARY AND SECONDARY EDUCATION BY FIVE-YEAR INTERVALS: 2020, 2025 AND 2030**



Source: [UNESCO Institute for Statistics database](#)

**Globally,  
not all in-  
service  
teachers  
have the  
minimum  
required  
pedagogical  
training**

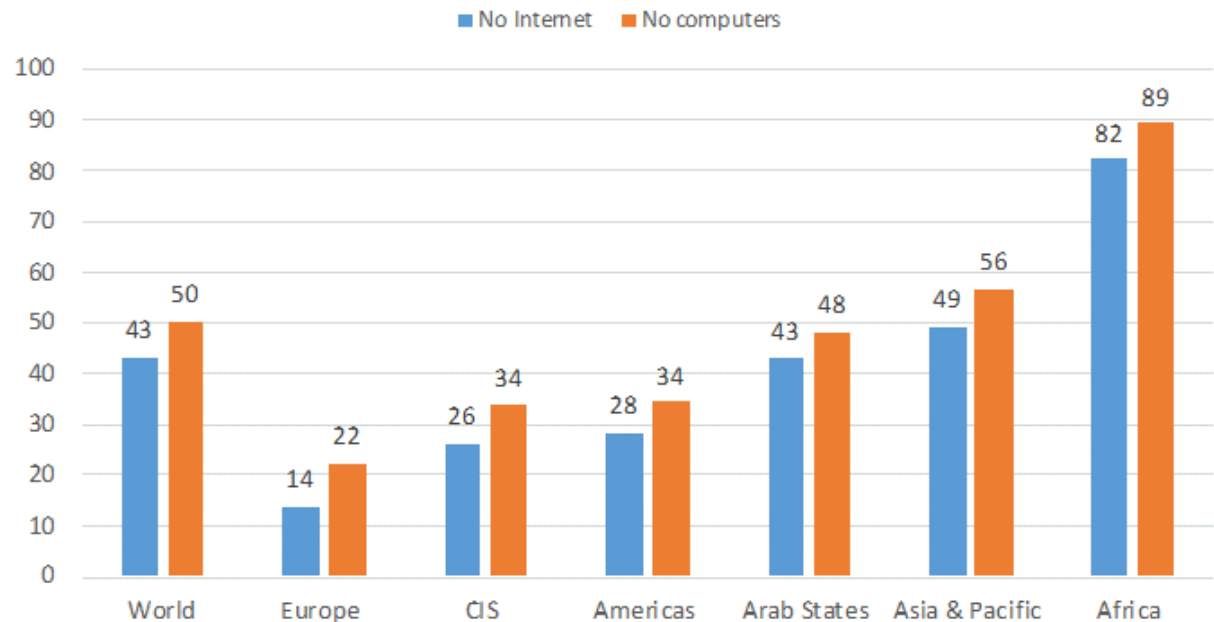
**Proportion of trained teachers in primary and secondary education, by region (UNESCO Institute for Statistics, 2018)**



# Post-Covid: 'New' Global Inequalities have Emerged

**Globally, not all students have access to remote learning opportunities**

**Proportion of learners in households with no access to internet or computers, by region (International Telecommunications Union, 2019)**



# How can the Science of Learning community support teachers?

## The UNITWIN/UNESCO Chairs Programme

- International inter-university cooperation and networking
- Platform for institutional capacity-building and knowledge-sharing
- Research, training, and exchange of academics, researchers, graduate students
- Pooling of resources to address pressing global challenges
- Research-practice-policy interface
- Forward thinking and innovative
- Inter-disciplinary and inter-sectoral
- North-South, South-South, North-South-South



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# Thank you

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