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.
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

<table>
<thead>
<tr>
<th>Region</th>
<th>Primary age</th>
<th>Lower secondary age</th>
<th>Upper secondary age</th>
</tr>
</thead>
<tbody>
<tr>
<td>Europe and Northern America</td>
<td>2</td>
<td>7</td>
<td>7</td>
</tr>
<tr>
<td>Central Asia</td>
<td>2</td>
<td>5</td>
<td>27</td>
</tr>
<tr>
<td>Eastern and South-Eastern Asia</td>
<td>3</td>
<td>10</td>
<td>21</td>
</tr>
<tr>
<td>Latin America and the Caribbean</td>
<td>4</td>
<td>7</td>
<td>23</td>
</tr>
<tr>
<td>Oceania</td>
<td>5</td>
<td>5</td>
<td>25</td>
</tr>
<tr>
<td>Southern Asia</td>
<td>7</td>
<td>15</td>
<td>45</td>
</tr>
<tr>
<td>Northern Africa and Western Asia</td>
<td>9</td>
<td>14</td>
<td>30</td>
</tr>
<tr>
<td>Sub-Saharan Africa</td>
<td>19</td>
<td>37</td>
<td>58</td>
</tr>
<tr>
<td>World</td>
<td>8</td>
<td>16</td>
<td>35</td>
</tr>
</tbody>
</table>

*Notes: Regions are sorted by the primary out-of-school rate.*

*Source: UNESCO Institute for Statistics database.*
Globally, more than 617 million children and adolescents are not achieving minimum proficiency levels (MPL) in reading and math.
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**

- **Replacement for attrition (primary education)**
- **Staffing new classrooms (primary education)**
- **Replacement for attrition (secondary education)**
- **Staffing new classrooms (secondary education)**
- **Total**

**Source:** UNESCO Institute for Statistics database
Globally, not all in-service teachers have the minimum required pedagogical training.
Globally, not all students have access to remote learning opportunities. Post-Covid: ‘New’ Global Inequalities have Emerged

Proportion of learners in households with no access to internet or computers, by region (International Telecommunications Union, 2019)
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How can the Science of Learning community support teachers?
Thank you

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Sonia Guerriero, PhD
UNESCO
s.guerriero@unesco.org