Nearly 69 million teachers must be recruited to achieve universal primary and secondary education by 2030.

- 49M to replace teachers who leave the workforce
- 20M to staff new classrooms and expand access to schools

Refugees are far more likely to be out-of-school at all levels of education

Enrolment rates
Refugees vs All

Primary: 61% (Refugees) vs 91% (All)
Secondary: 23% (Refugees) vs 84% (All)
University: 1% (Refugees) vs 36% (All)

Source: UNHCR (2017) - Left behind: Refugee Education in Crisis
At present growth rates, the world will miss its 2030 target for universal education by nearly 54 years!
In the US, 75% of teachers believe that digital learning will replace printed textbooks in the next 10 years.
How concentrated is investment in Education Technology?

About 1% of all ed-tech companies...  
... capture over 50% of private investment

When will artificial intelligence outperform humans?

- **2024**: Translating languages
- **2049**: Writing a best-selling book
- **2053**: Performing surgery
- **2138**: All human jobs

Timeline of AI milestones

Source: Grace, et al. (2017) - When Will AI Exceed Human Performance?

Evidence from AI Experts
Across OECD countries, immigrant children are more likely to repeat a grade than non-immigrant children.

- Immigrants: 20%
- Non-immigrants: 11%

Difference in grade repetition remains significant even after accounting for students' socio-economic status and performance in science and reading.

How often do internet users double check information they find on social media?

- 21% Always when in doubt
- 53% Occasionally
- 26% Hardly ever or never

Source: Quello Centre (2013) - Search and Politics: The Uses and Impacts of Search in Britain, France, Germany, Italy, Poland, Spain, and the United States
What is the level of support for new technologies in higher education?

- Open educational resources: 65%
- Competency-based education: 63%
- Gamification: 39%
- MOOCs: 37%
- Badges or digital credentials: 37%

Source: ECAR (2013) - Study of Faculty and Information Technology (US)
In the US, 42% of fake news sites are accessed via social media.

Proportion of website visits by source:
- 42% of fake news sites visits are via social media.
- 30% of fake news sites visits are via direct browsing.
- 22% of fake news sites visits are via search engines.
- 6% of fake news sites visits are via other links.
- 10% of top US news sites visits are via social media.
- 49% of top US news sites visits are via direct browsing.
- 31% of top US news sites visits are via search engines.
- 10% of top US news sites visits are via other links.

Figure represents web traffic around the time of the 2016 US Presidential election.

How much international aid flows into education?

Official Development Assistance (ODA) for health and education

(Measured at constant 2013 prices, gross disbursements)

Health $21.2 billion
Education $12.2 billion

Source: SEEK Development (SEEEK) and Results for Development (R4D) (2016) - Rethinking the Financing and Architecture of Global Education
Automation could affect 50% of employees around the world.

Countries where half of these replacements would occur:

- China
- India
- US
- Japan

Percentage of parents willing to pay at least 25% more for an international university education.
Where is it best to be a social entrepreneur?

1st: US
2nd: Canada
3rd: UK
4th: South Korea
5th: Malaysia
6th: Chile
7th: Singapore
8th: Hong Kong
9th: Indonesia
10th: Israel

Source: Thomson Reuters Foundation (2016) Survey in 45 of the world's biggest economies
40% of millennials see automation posing a threat to their jobs.