



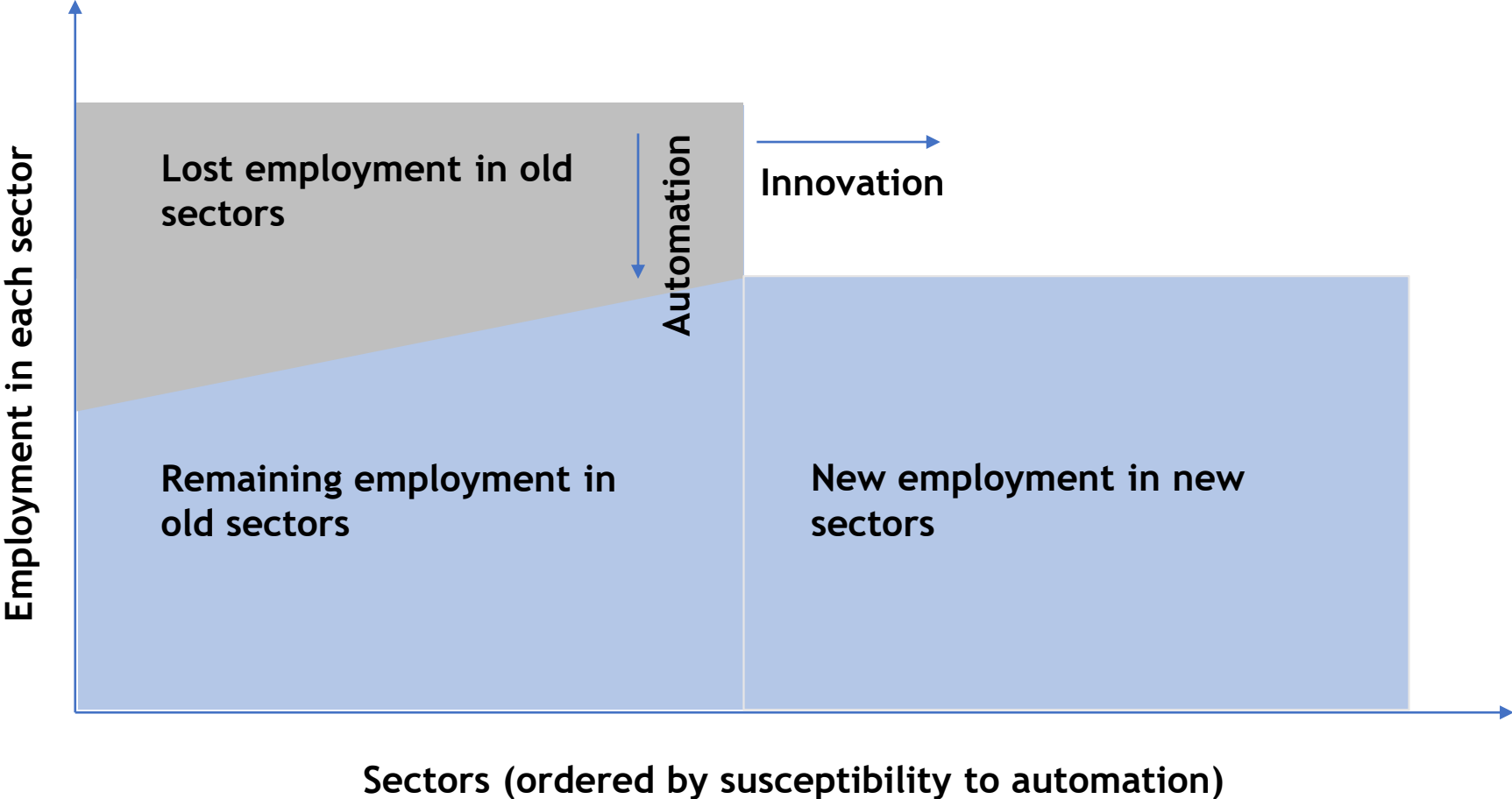
WORLD DEVELOPMENT REPORT 2019

THE CHANGING NATURE OF WORK



WORLD BANK GROUP

Technological Progress Expands Job Opportunities

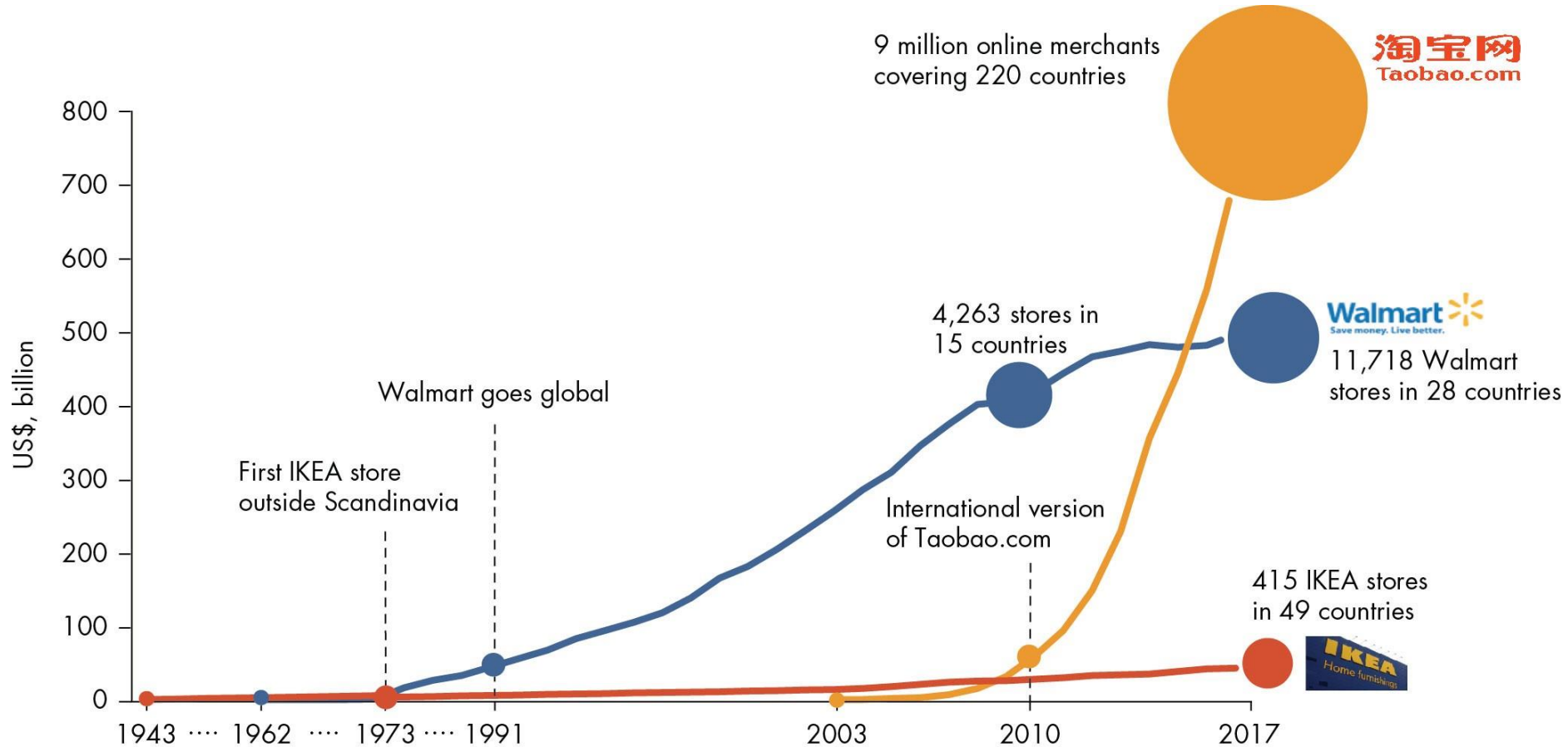


Source: Authors' analyses.

What is changing?

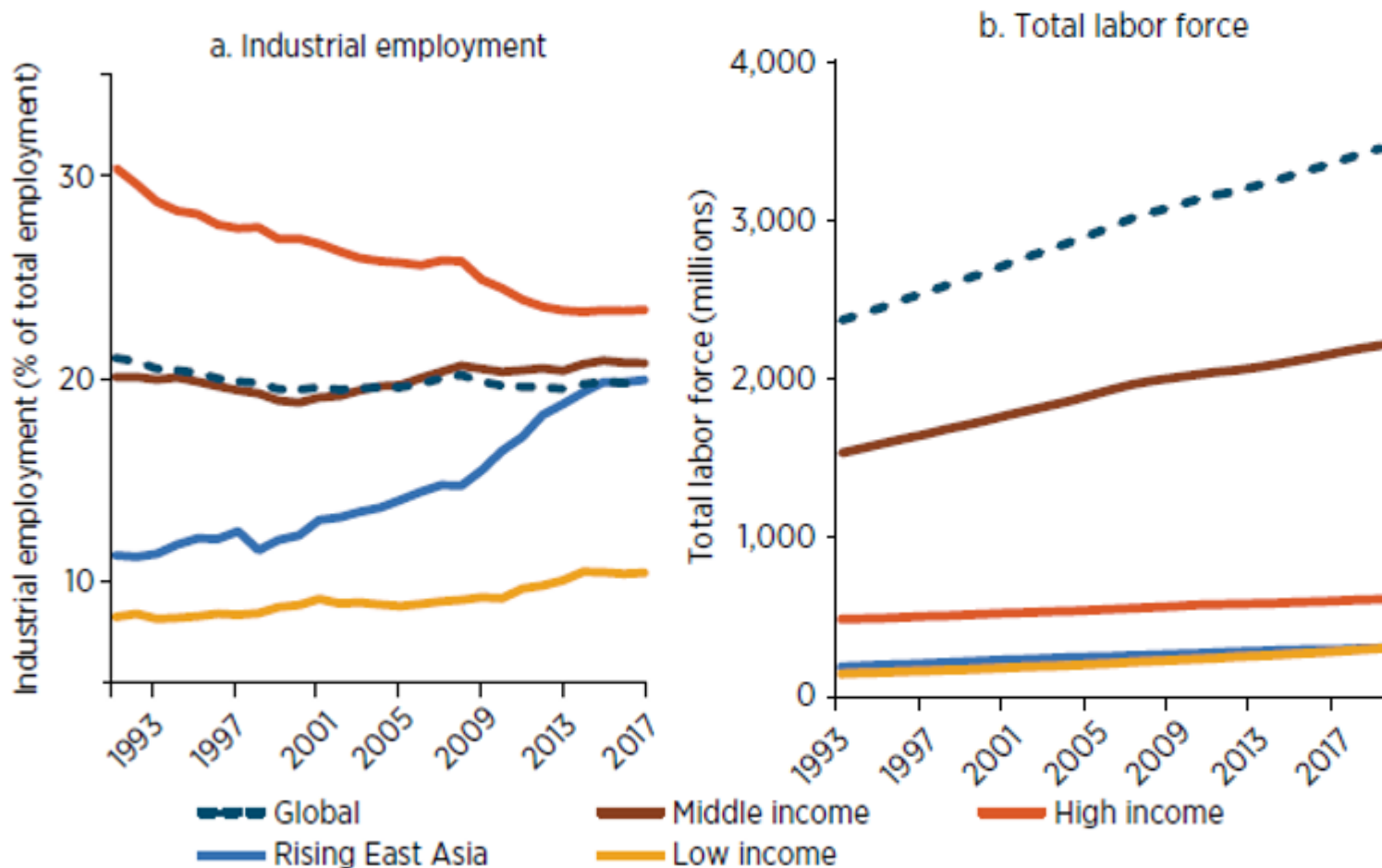


Recent Technological Advances Accelerate Firm Growth



Source: Authors' analyses based on Walmart Annual Reports, Statista.com, NetEase.com

The Total Labor Force Has Been Increasing Across The Globe



Source: Authors' analyses based on World Bank's World Development Indicators (database)

Technology Is Changing How People Work



Convergence in the nature of work?



64.7% average informality
in emerging economies



**What can
governments do?**

Three Areas For Policy Action:

Human Capital and
Lifelong Learning

Social Protection
and Labor Policies

Revenue
mobilization



Human Capital Index: Methodology



$$ax^2 + bx + c = 0$$

$$\frac{ax^2}{a} + \frac{bx}{a} + \frac{c}{a} = 0$$

$$x^2 + \frac{bx}{a} + \frac{c}{a} = 0$$

$$\left(x + \frac{b}{2a}\right)^2 - \left(\frac{b}{2a}\right)^2 + \frac{c}{a} = 0$$

$$\left(x + \frac{b}{2a}\right)^2 = \left(\frac{b}{2a}\right)^2 - \frac{c}{a}$$

SURVIVAL

Children who don't survive don't grow up to become future workers

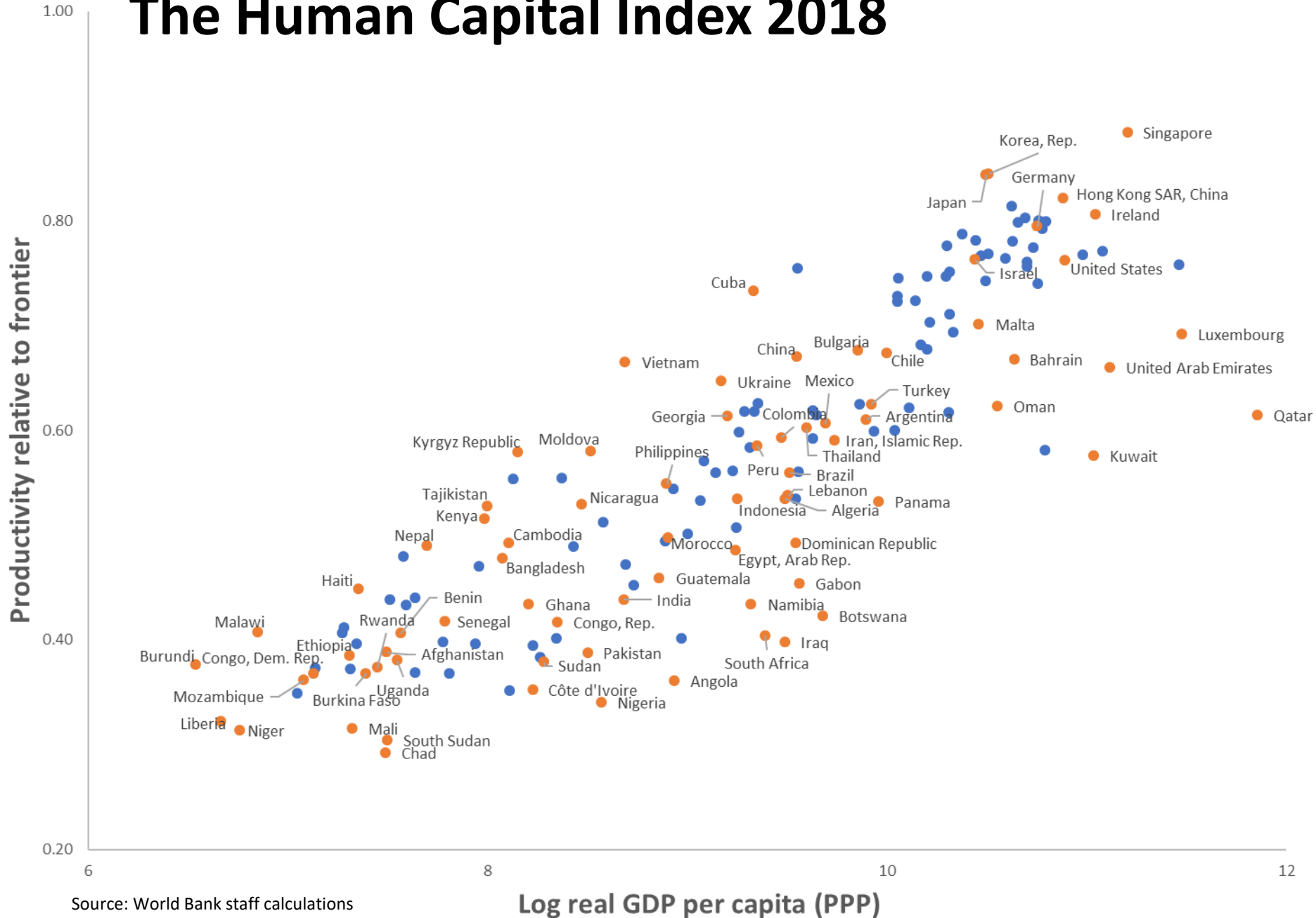
SCHOOL

Contribution of quality-adjusted years of school to productivity of future workers

HEALTH

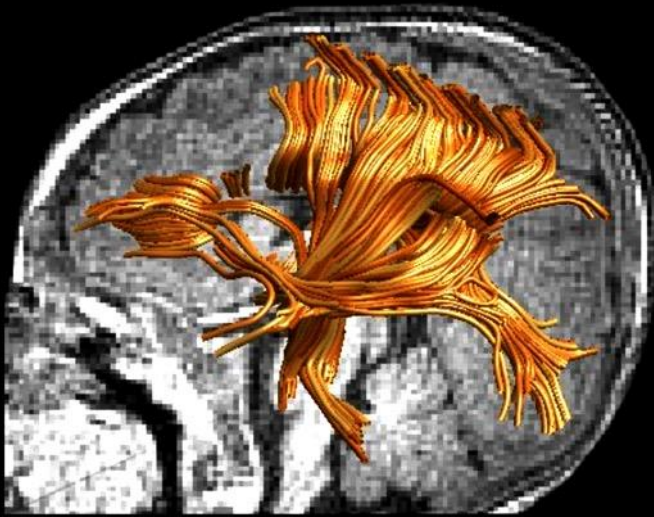
Contribution of health (average of adult survival rate and stunting) to productivity of future workers

The Human Capital Index 2018

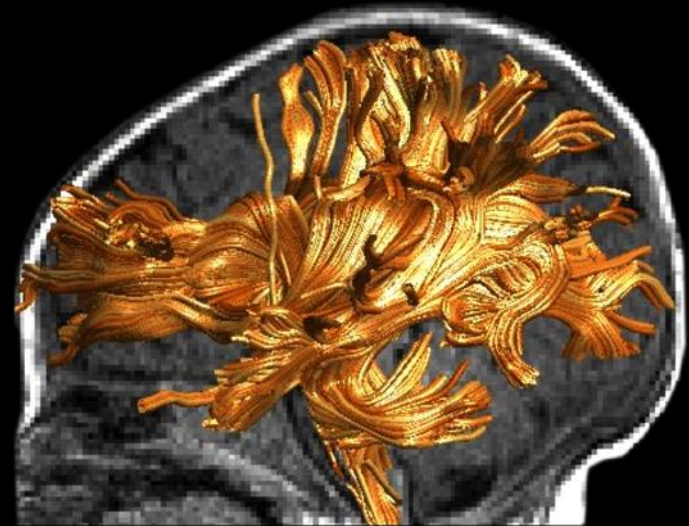


Source: World Bank staff calculations

The First 1,000 Days Lay A Lifelong Foundation



CHILD WITH STUNTED BRAIN DEVELOPMENT



HEALTHY, CARED FOR CHILD

社会实践中
的活动。
四、珍
命，注意安
感身体，讲
卫生。



1. 1000
2. 1000
3. 1000
4. 1000
5. 1000
6. 1000
7. 1000
8. 1000
9. 1000
10. 1000

夏天的皮肤

捉夏天的蝉，
把个中地边边的小河，
谢谢你手划下凉凉的，
比数两个头。

凉凉的小河，
把心凉的小儿，
让心凉透手，
让心凉透手，
让心凉透手。

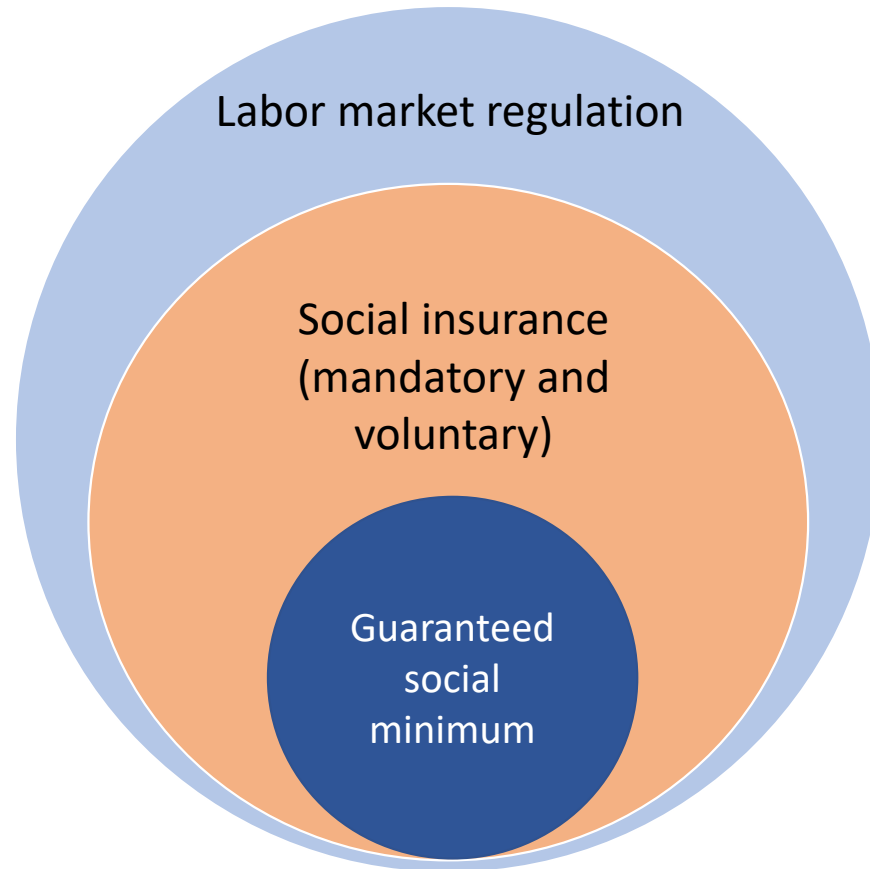
夏天坐得高，
坐在柳树下，
送你小牌儿，
一追一追唱歌谣。

夏天坐得巧，
坐上水牛角，
水牛跳进小河里，
他和水牛玩个累。

我们的天空蓝蓝的，
“六一”的太阳红红的，
“六一”的鲜花艳艳的，
“六一”的歌儿脆脆的，
“六一”的欢笑美美的，
“六一”是属于我们的。

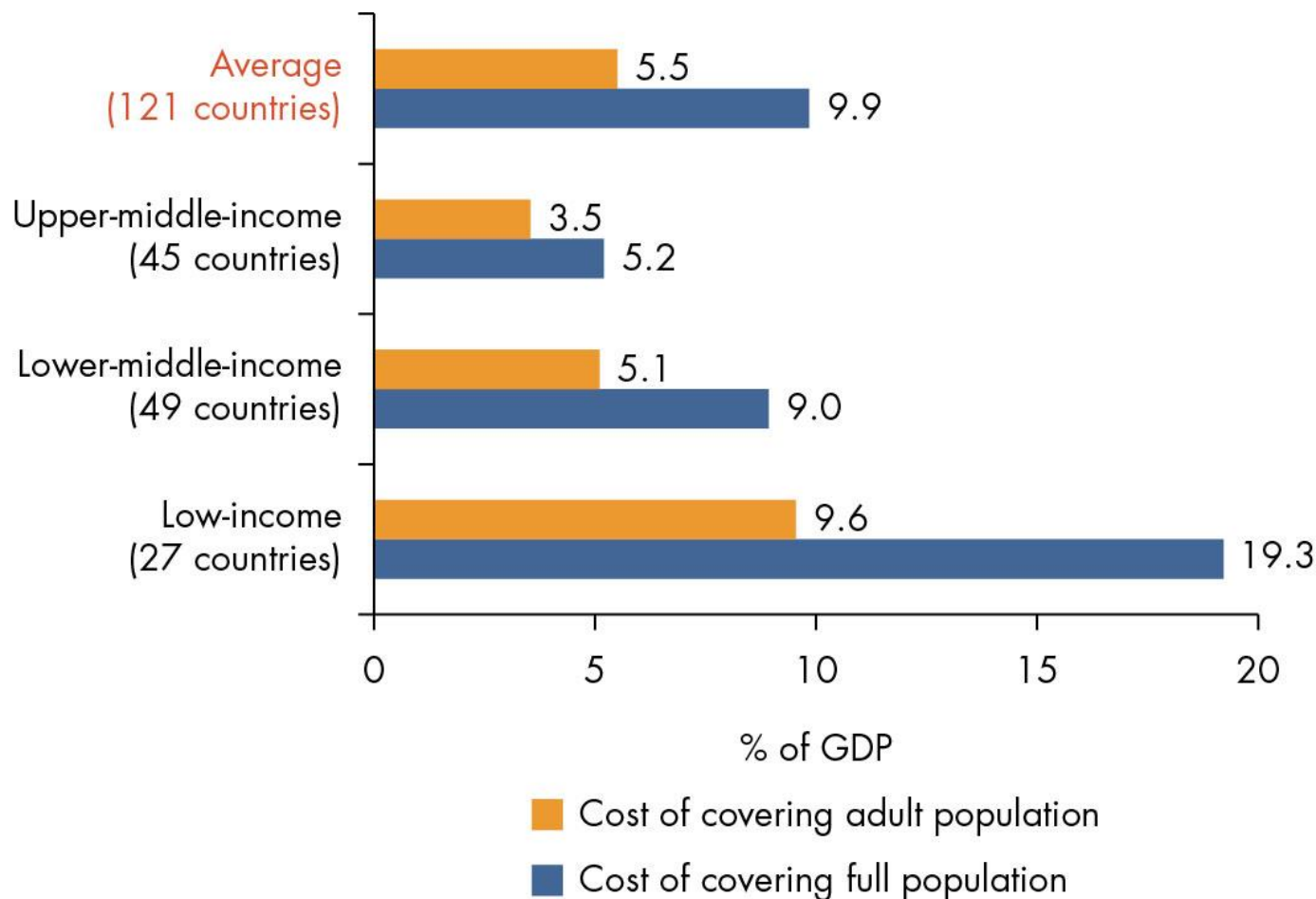


Stronger Social Protection: Protect People, Not Jobs



Source: Authors' analysis

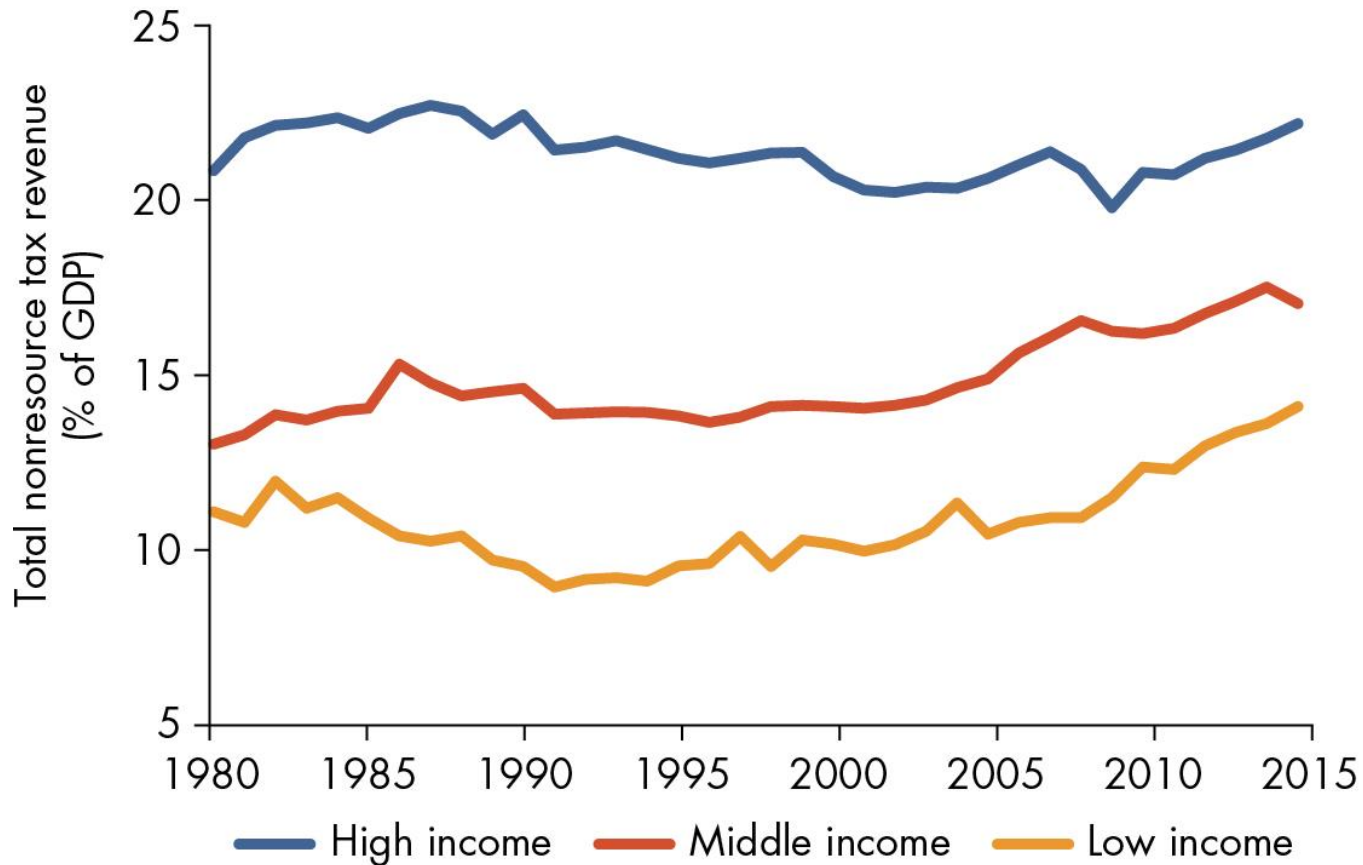
Social Inclusion Is Costly



Simulated cost of UBI for closing the poverty gap by country income group (% of GDP)

Source: Authors' analysis based on World Bank World Development Indicators, World Bank PovcalNet, and United Nations World Population Prospects.

Tax Revenues Have to Rise, Especially in Developing Economies



Source: Authors' analysis based on International Centre for Tax and Development (ICTD) and UNU-WIDER Government Revenue Dataset 2017.



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