



ALL DIGITAL Week 2021

22 March 2021

REFLECTIONS ON POST-PANDEMIC DIGITAL SKILLS NEEDS

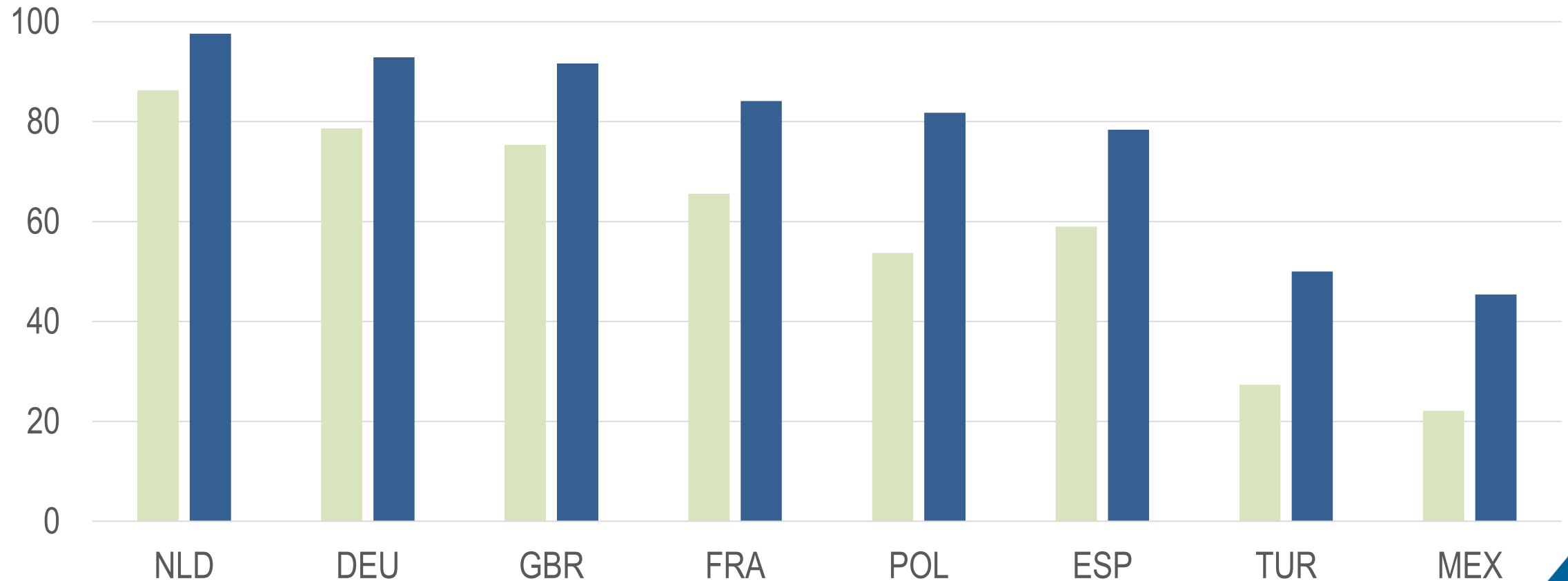
Stefano Scarpetta
Director for Employment, Labour and Social Affairs



Digitalisation has been spreading fast

Percentage of households with computers, 2007 and 2017

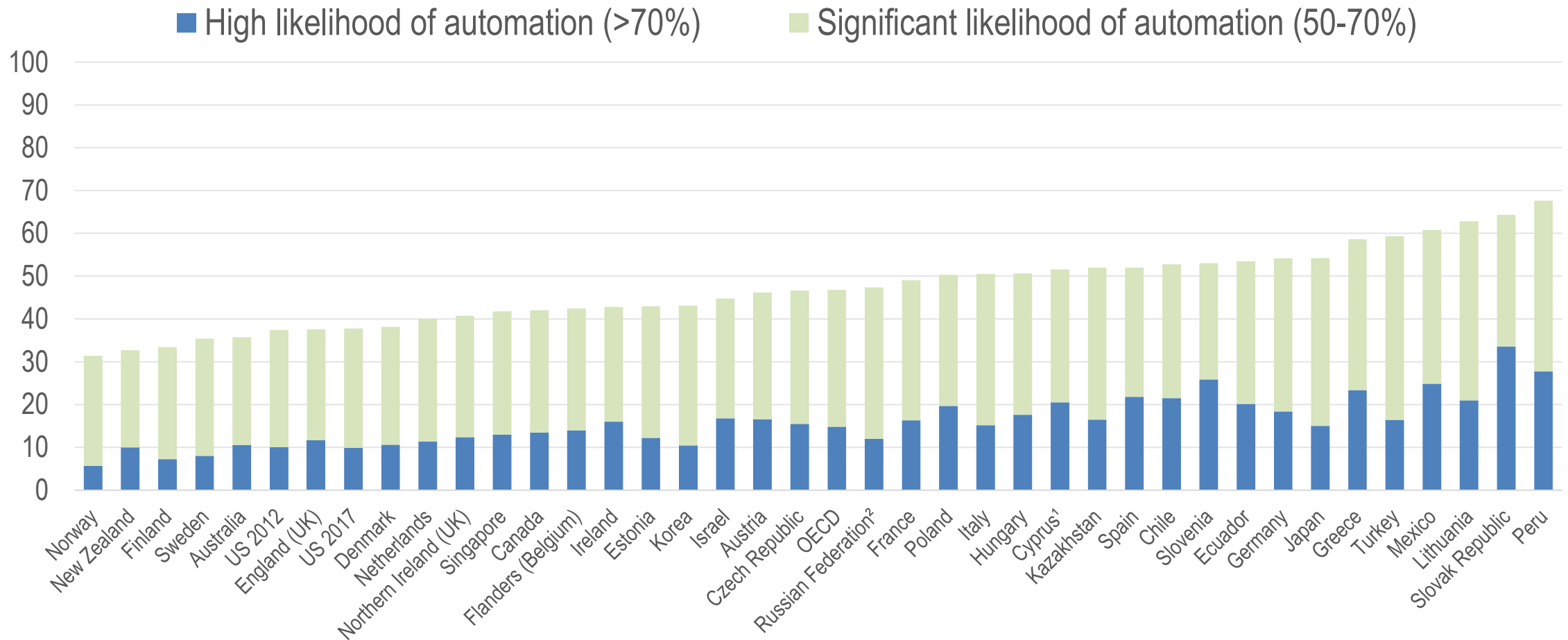
■ 2007 ■ 2017





And many tasks will be automated

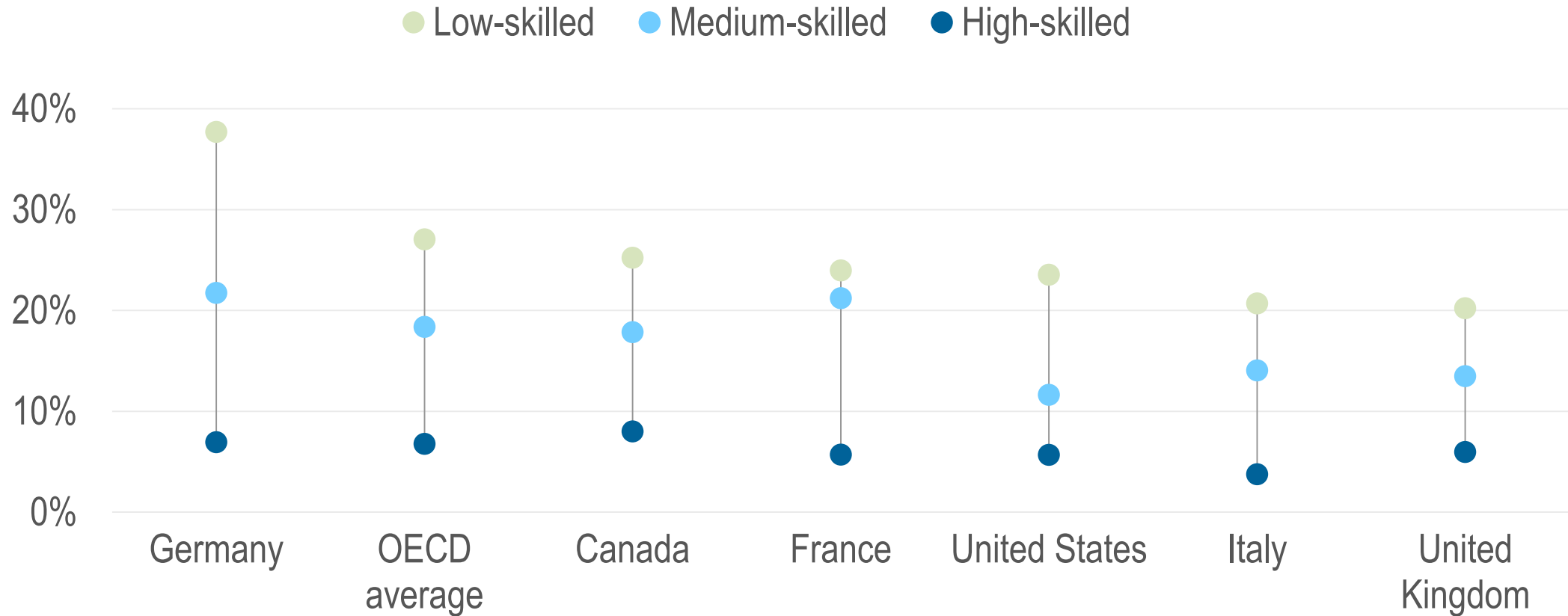
Cross-country variation in job automatability, percentage of jobs at risk by degree of risk





With potentially distributional consequences

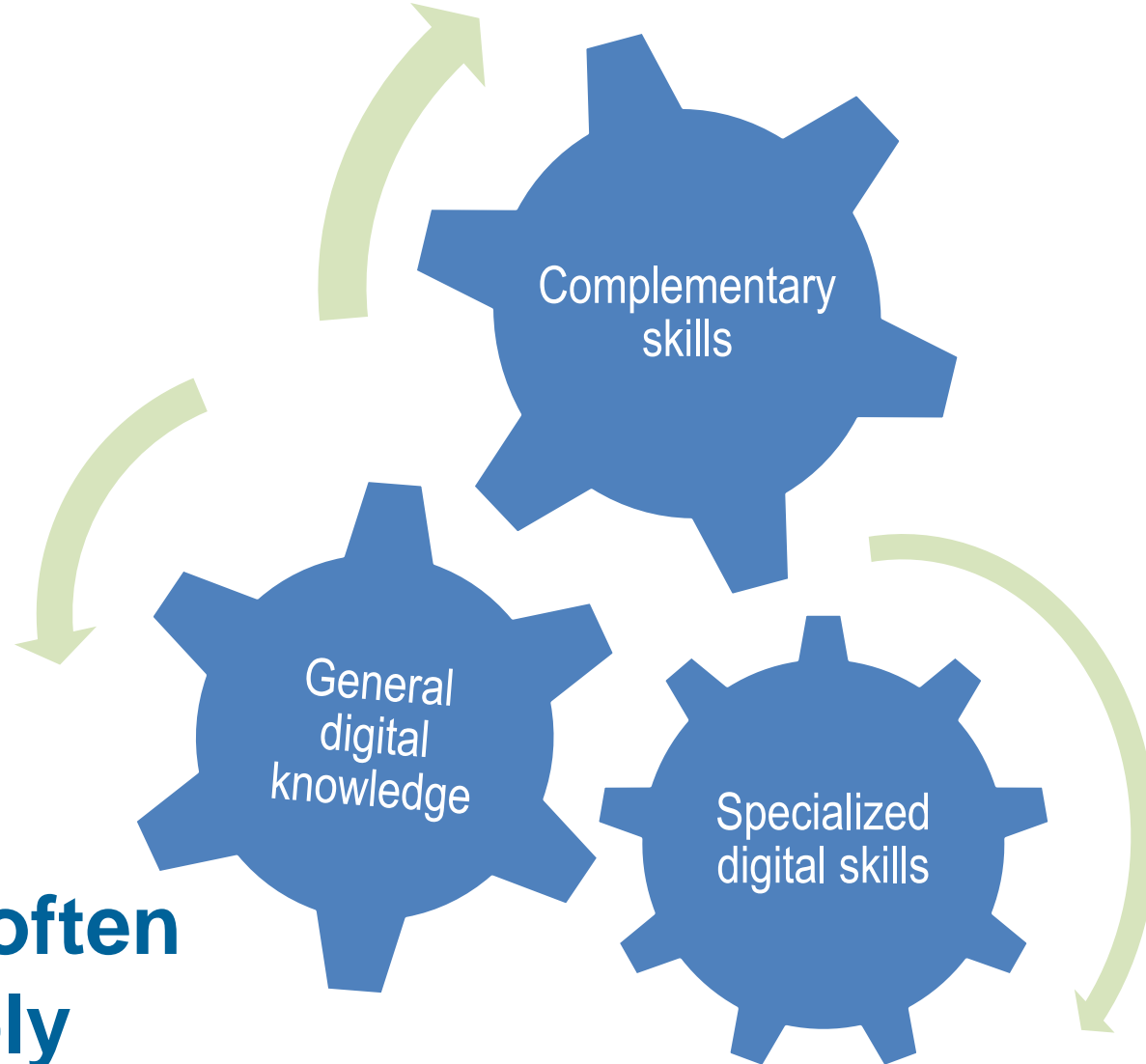
Share of jobs at high risk of being automated, by education



Source: Nedelkoska and Quintini, 2018, based on PIAAC data (2012)



What do we mean by digital skill needs?

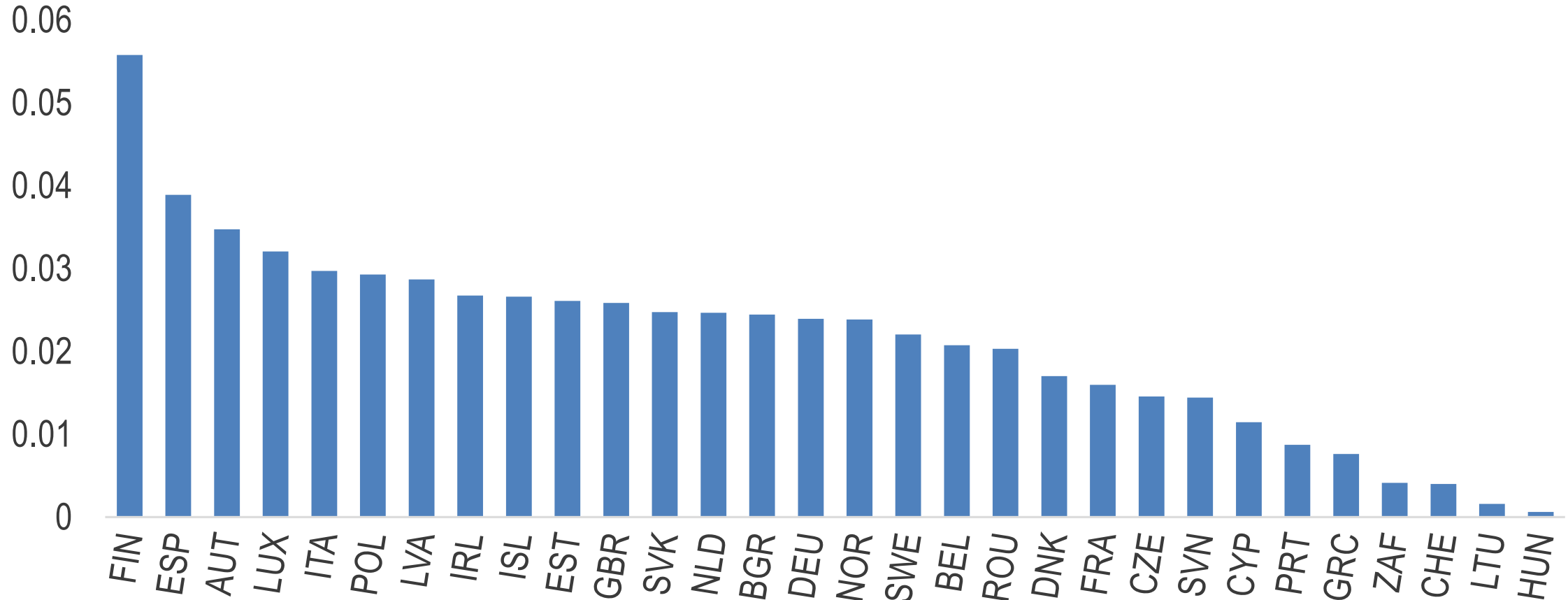


**All three are often
in short supply**



Many countries have a critical shortage in specialist skills

Index of shortages in computers and electronics skills

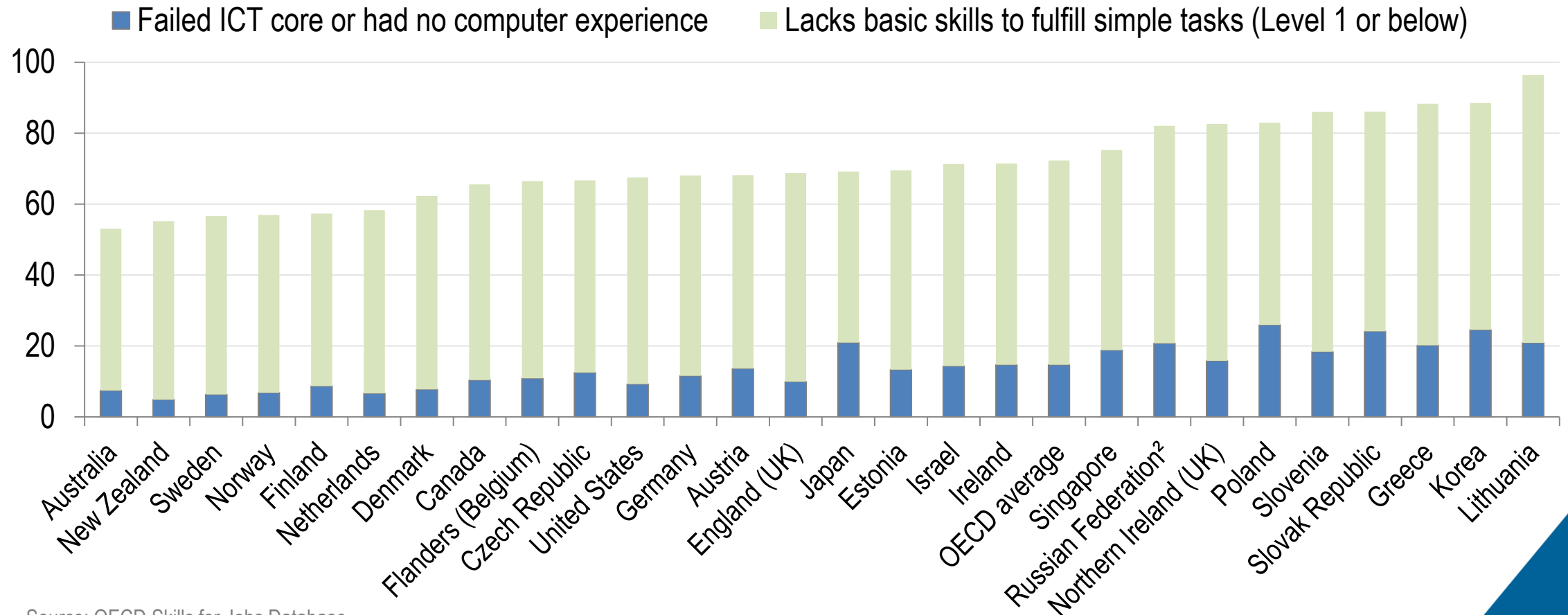




More basic and general digital skills are often lacking

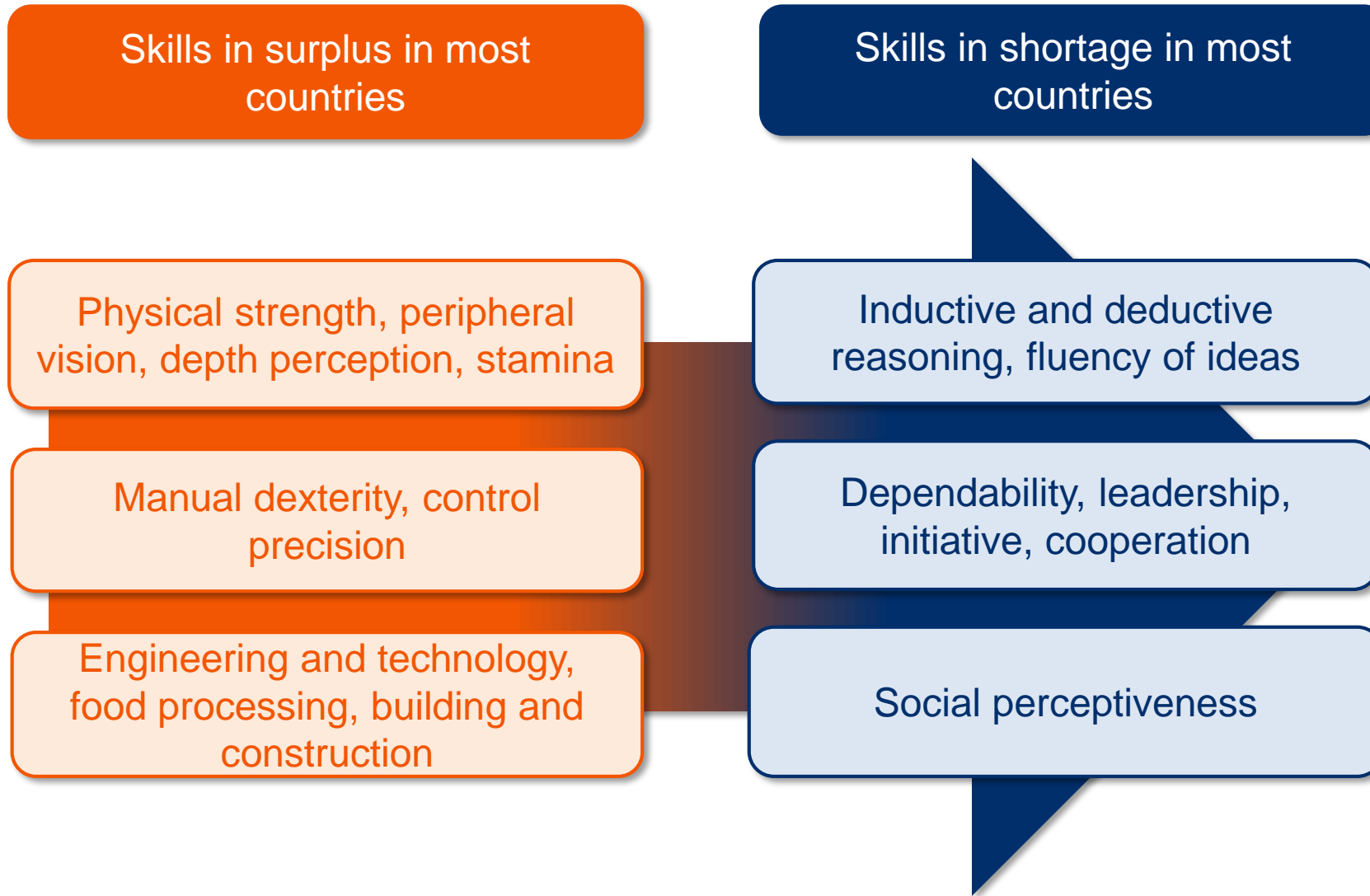
Problem-solving skills in Technology-Rich Environments

Percentage of the working-age population (aged 15/16-64)





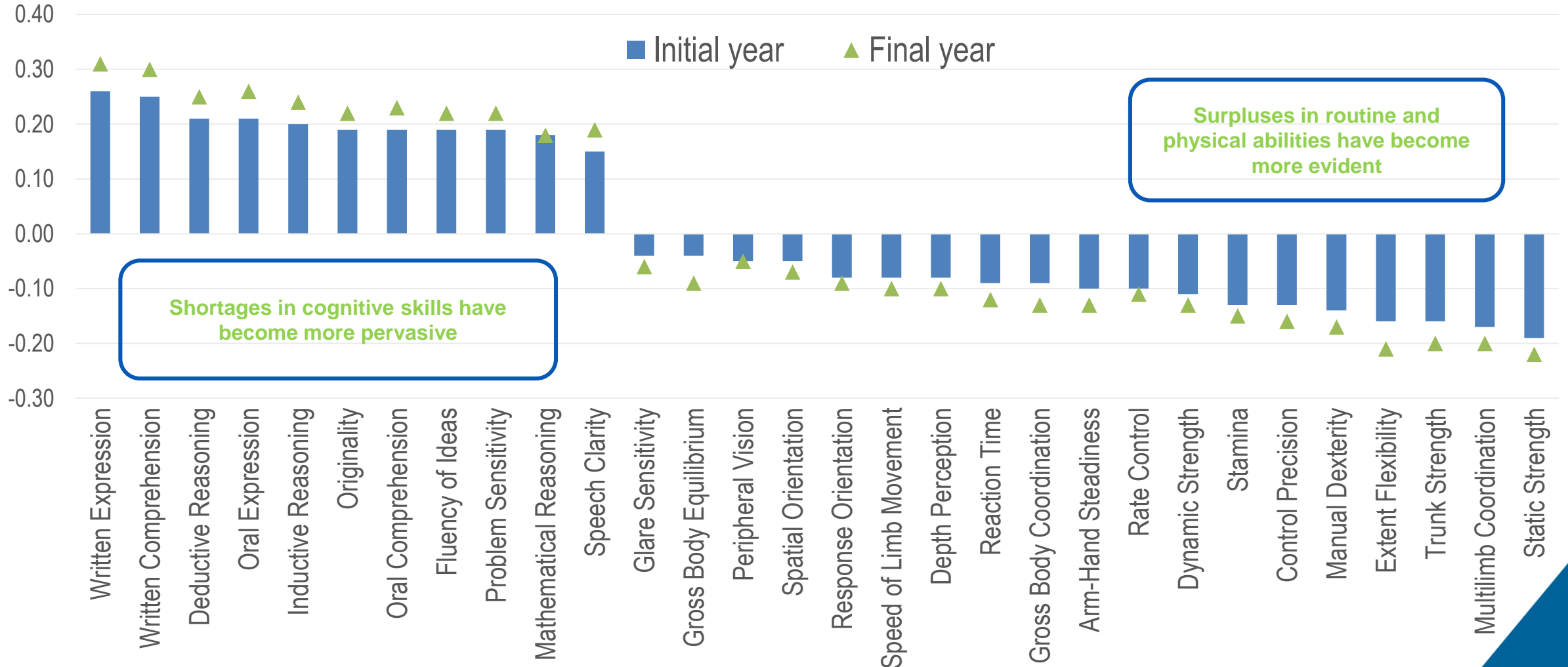
As are many of the complementary skills





These trends have strengthened

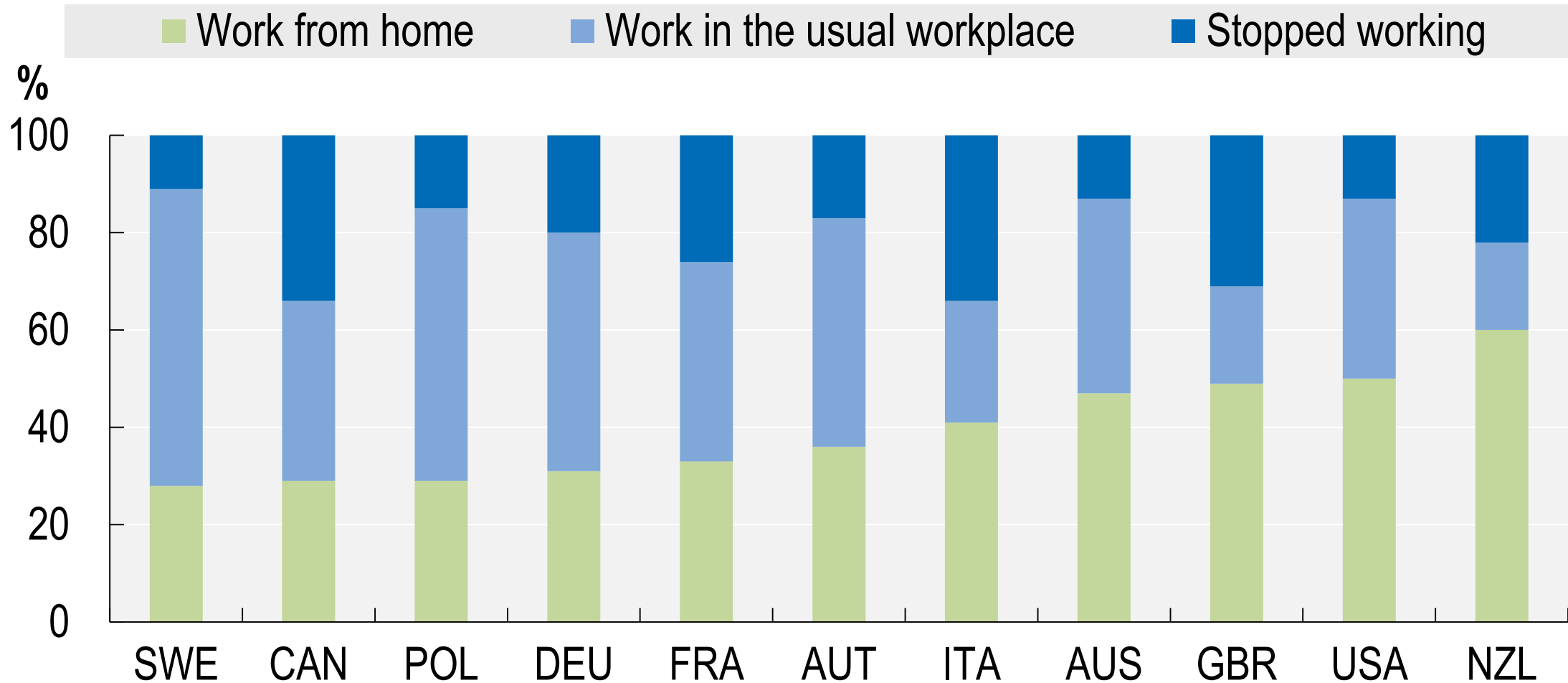
Intensity of Shortages (+) and Surpluses (-)





What has been the impact of Covid-19?

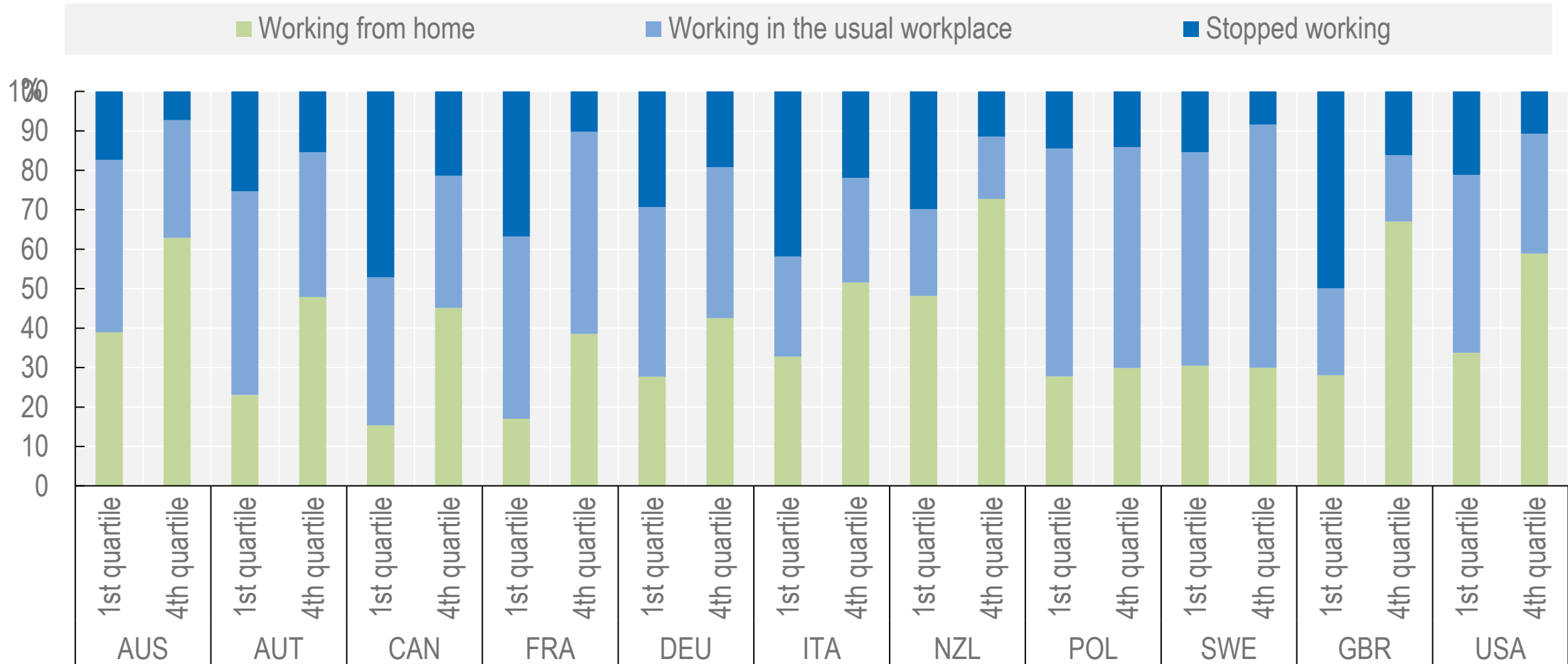
Share of total workers usually employed before the onset of the crisis





Access to teleworking varied by income

Share of total workers usually employed before the onset of the crisis by earnings quartile, mid-April 2020





Youth have missed out on work experience



Many apprenticeships were cancelled, interrupted or put on hold and certification was disrupted



Internship were mostly cancelled or allowed online, missing out on much of informal learning



Work-based learning was disrupted as it was difficult to provide online



What needs to be done?

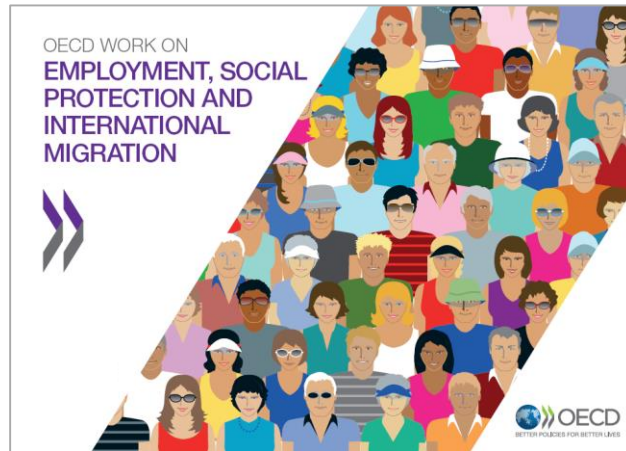




Thank you

Contact: Stefano.scarpetta@oecd.org

Read more about our work



Follow us on Twitter: [@OECD Social](https://twitter.com/OECD_Social)



<http://oe.cd/employment-outlook>

<http://oecd.org/coronavirus>

<https://www.oecd.org/future-of-work/>

Newsletter: www.oecd.org/els/newsletter