

Starting Strong VII Empowering Young Children in the Digital Age

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Digital technologies are increasingly present in children's lives, but the implications for early childhood education and care (ECEC) remain unclear

Young children



... use digital devices with increasing frequency and at increasingly early ages...

... interact with digital tools in a great variety of ways, steered by parents, other children, and the environment...

... potentially with both positive and negative impacts on their learning, development and well-being...

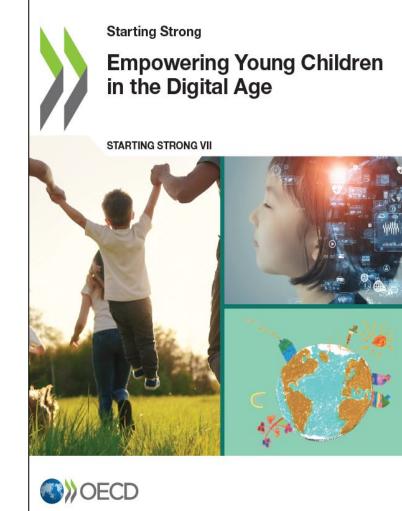


... increasing sense of urgency to react to digitalisation...

... but with a low sense of preparedness and limited resources...

... seeking to exploit opportunities while avoiding risks, but unclear how to strike a balance...

Key outputs of the project



Report

- Data from 30 countries and jurisdictions
- Policy roadmap for making early childhood education and care (ECEC) responsive to digitalisation
- Thematic chapters on policy levers for developing high-quality and equitable ECEC

Supplementary outputs

- 6 country notes Canada, Finland, Japan, Korea, Norway, Sweden
- **20 case studies** from 16 countries and jurisdictions
- Data tables
- 3 expert literature reviews

Five key challenges for early childhood education and care in responding to digitalisation



Young children must be **better protected** in **digital environments**

Potential negative impacts of technology on young children include:



to privacy

Threats





Only 28% of countries listed "Preserving ECEC digital-free" as a priority

Most countries and jurisdictions promote safe and responsible use of technologies in ECEC, rather than restrictive approaches, such as blanket bans





Conflicting and incomplete guidelines mean professionals may adopt approaches of variable quality



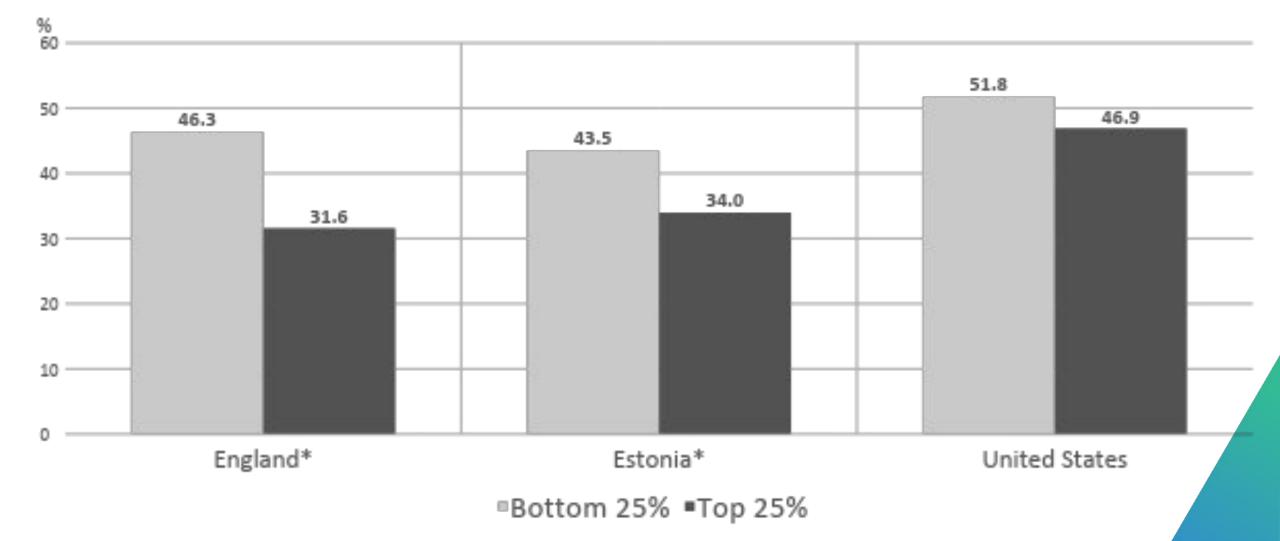
54% of countries reported having guidelines for ECEC staff on topics such as risks to children's well-being, amount of screen time or privacy protection



Formally regulated mechanisms =Guidelines or recommendations =Not in place

Children (5-year-olds) from disadvantaged families are more likely to be heavy users of digital devices (e.g. every day) (2018) Figure 7.3 (2)

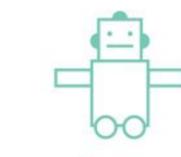
By family socio-economic status:





Digital divides need to be tackled from an early age

Introducing children to digital literacy in early education settings is key to closing gaps in digital skills Early digital literacy skills can be introduced with minimal exposure to screens, using, for example, robotic kits and puzzles Only 41% of countries reported supporting the provision of "unplugged" material



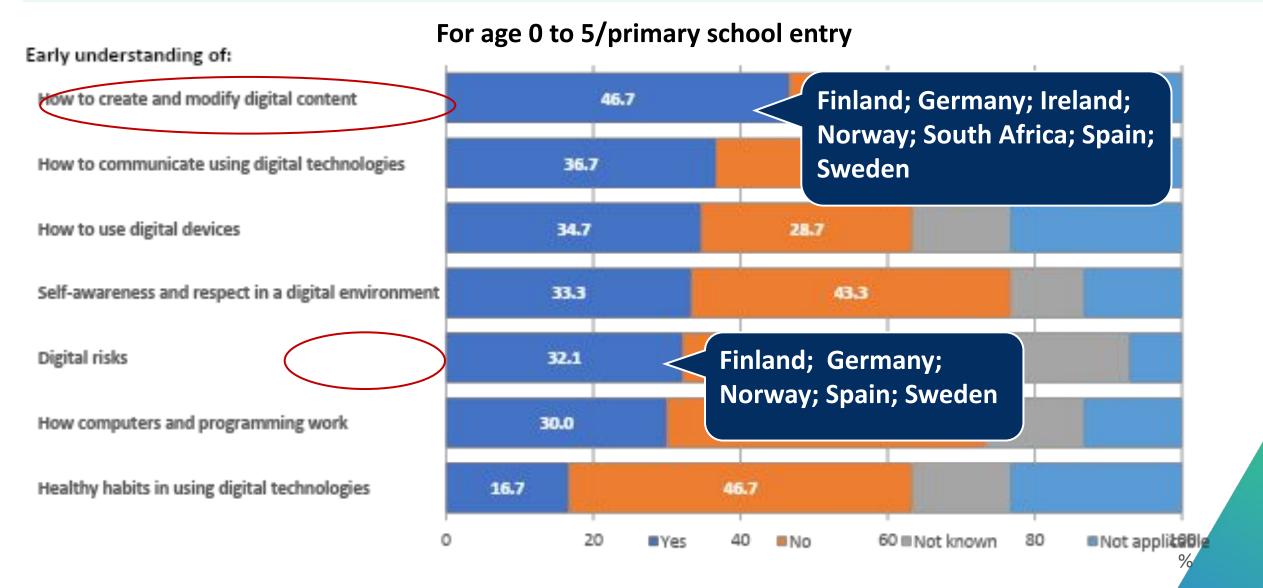


But few governments support this

What are the key dimensions of early digital literacy?

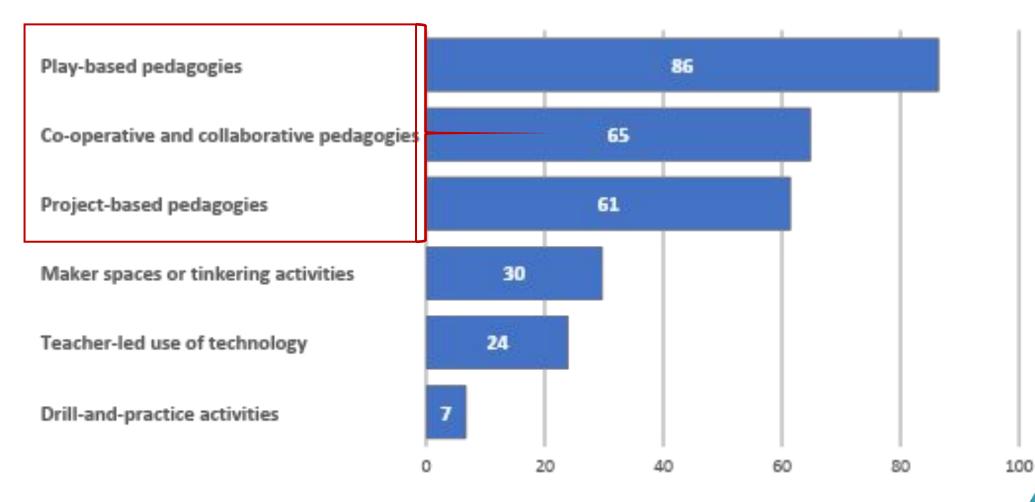


Almost 50% of countries lack **specific goals for early digital literacy in curriculum framework** (2022)



Curriculum frameworks tend to specify pedagogies that are interactive and play-based for using digital technologies with young children (2022) Figure 4.6

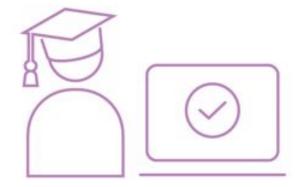
For age 0 to 5/primary school entry



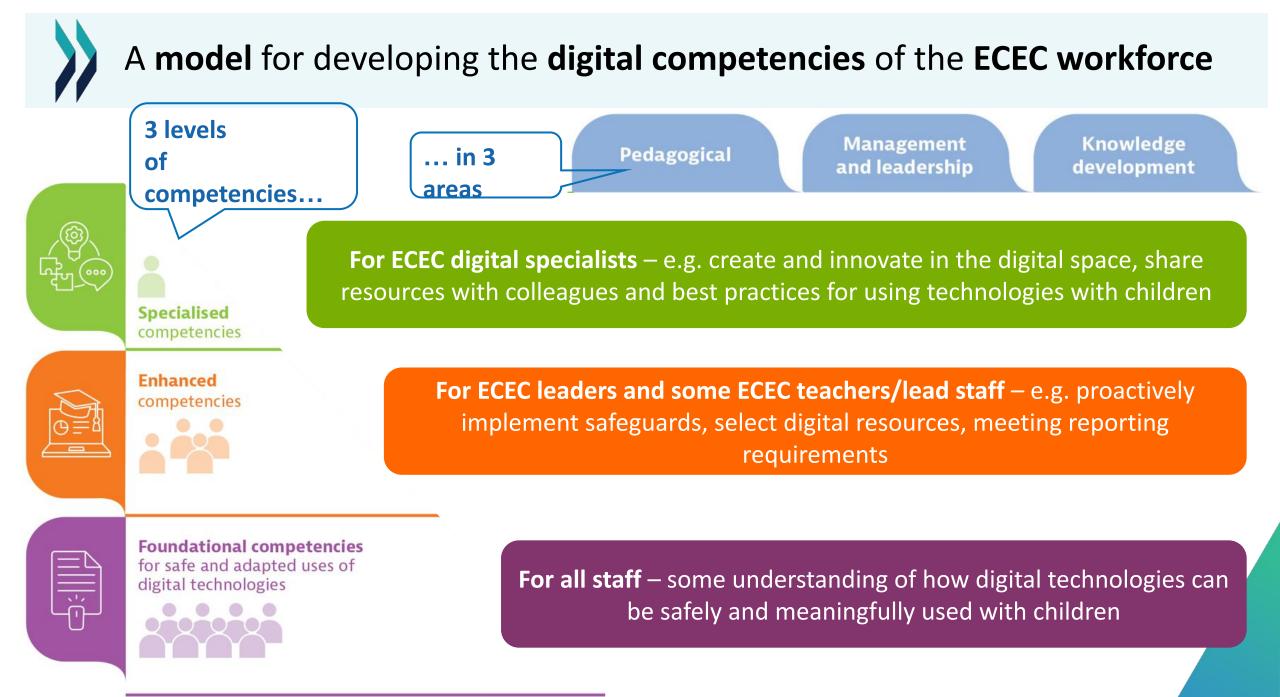
Yes

Early childhood professionals are central to a policy roadmap

All staff need foundational training to use digital technologies safely and effectively



Staff with specific responsibilities can be supported to develop enhanced or specialised digital skills In most countries, digital competencies are commonly included in initial education programmes for ECEC teachers, but not formally required, with exceptions in Denmark and Luxembourg



Most countries support traditional approaches to continuous professional development (2022)

ECEC authorities provide funding for in-service training that uses digital tools :

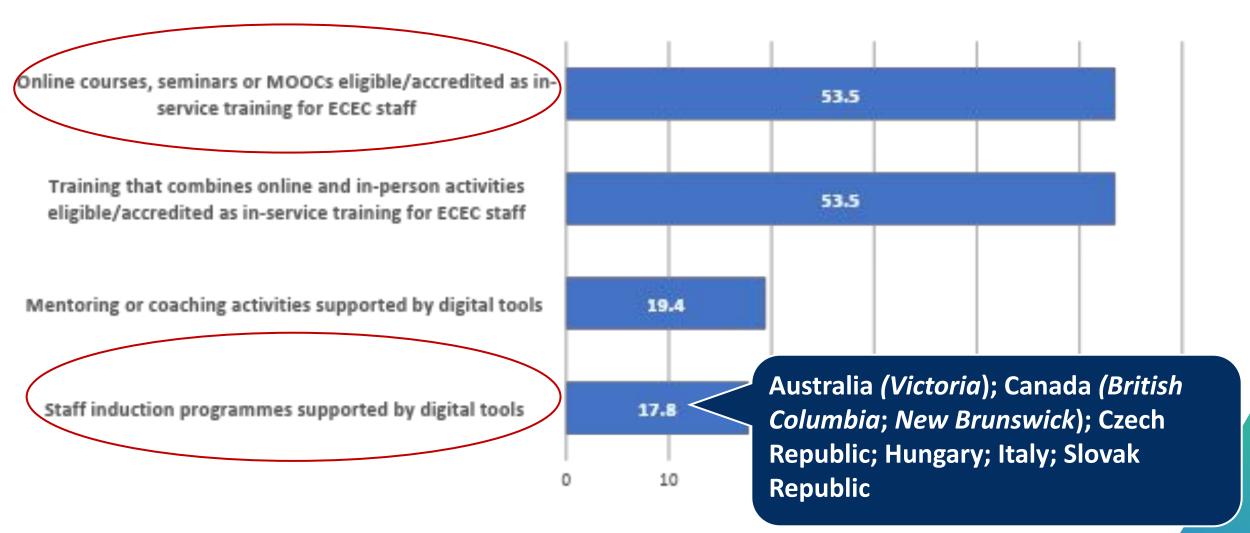
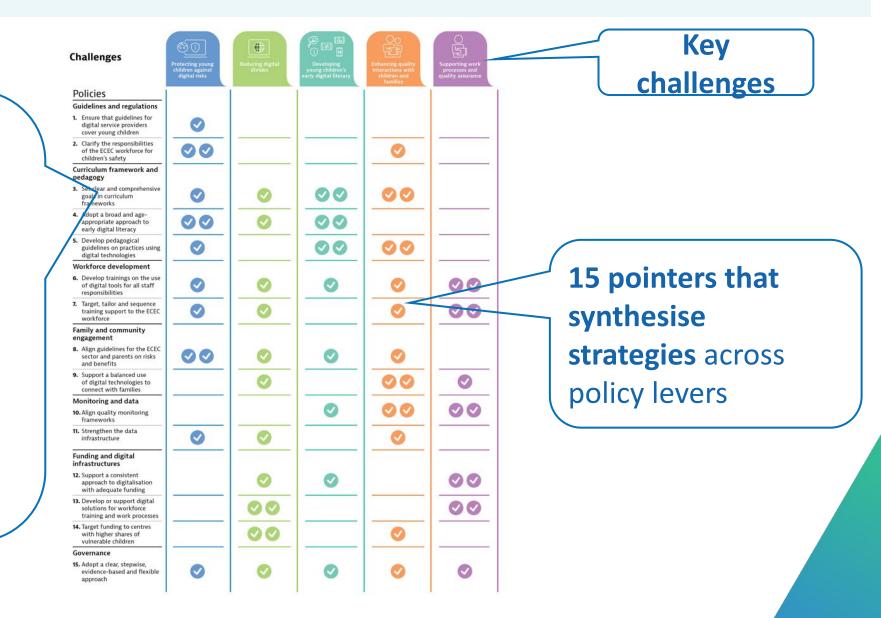


Figure 5.5

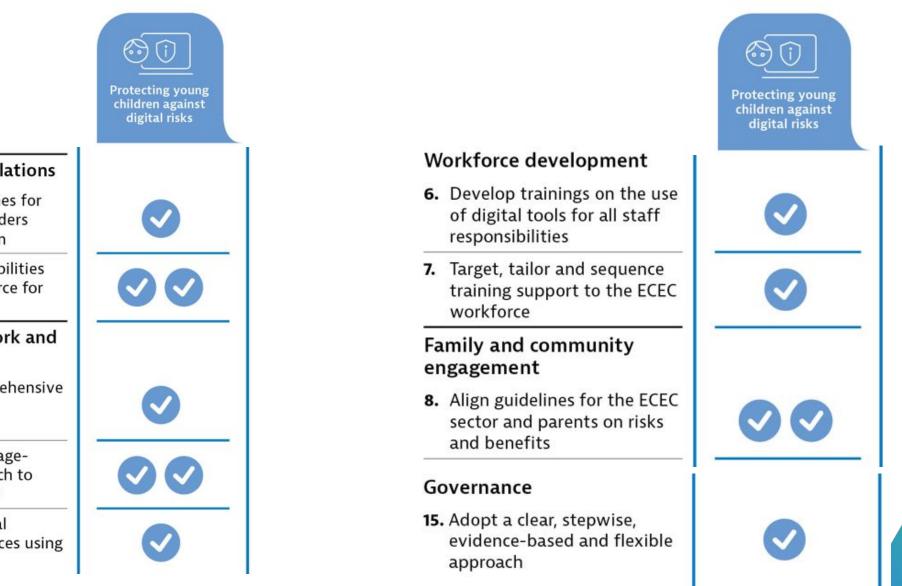
15 policy pointers to make ECEC responsive to digitalisation

Policy levers:

- Guidelines and regulations
- Curriculum and pedagogy
- Workforce development
- Family engagement
- Monitoring and data
- Funding and infrastructure
- Governance



Example: **Policy pointers** for addressing the challenge of **better protecting children in digital environments**



Guidelines and regulations

- Ensure that guidelines for digital service providers cover young children
- Clarify the responsibilities of the ECEC workforce for children's safety

Curriculum framework and pedagogy

- Set clear and comprehensive goals in curriculum frameworks
- Adopt a broad and ageappropriate approach to early digital literacy
- Develop pedagogical guidelines on practices using digital technologies

Identifying countries and jurisdictions with a **consistent set of policies** addressing a particular challenge, or active in specific areas

<u>©</u>	Policy pointers	Examples of countries active on this pointer	Specific initiatives
Protecting young children against digital risks	Guidelines and regulations		
Australia	 Ensure that guidelines for digital service providers pertinently cover young children 	Australia, Germany, Norway, United Kingdom	Box 3.1: Germany, Japan, Sweden; Box 3. United Kingdom, United States
Canada	 Clarify the responsibilities of the ECEC workforce for children's safety in digital environments depending on their role, children's age and type of ECEC setting 	Australia, Germany, Luxembourg, Norway	Box 3.5: Canada, Netherlands, Norway, United Kingdom Case Studies: Australia, Norway
(Manitoba)	Curriculum framework and pedagogy		
Luxembourg	 Set clear and comprehensive goals in curriculum frameworks for ECEC in light of digitalisation 	Finland, Germany, Israel, Luxembourg, Norway, Spain	Box 4.1: Portugal
Norway	 Adopt a broad and age-appropriate approach to early digital literacy in curriculum frameworks 	Belgium (3-5), Canada (Manitoba), Finland, Germany, Norway, Spain	Box 4.1: Canada (Manitoba), Finland Case Study: Israel
Portugal	 Develop pedagogical guidelines on practices using digital technologies and choices of digital material 	Finland, Japan, Norway, Portugal, South Africa	Box 4.2: Finland, Japan, Norway, Portuga South Africa Case Studies: Germany (2), Estonia, Lithuania, Norway

EDUCATION & SKILLS

Thank you for your attention!

https://www.oecd.org/education/school/earlychildho odeducationandcare.htm

