



THE CHANGING ROLE OF DOCTORS IN 21ST CENTURY HEALTHCARE

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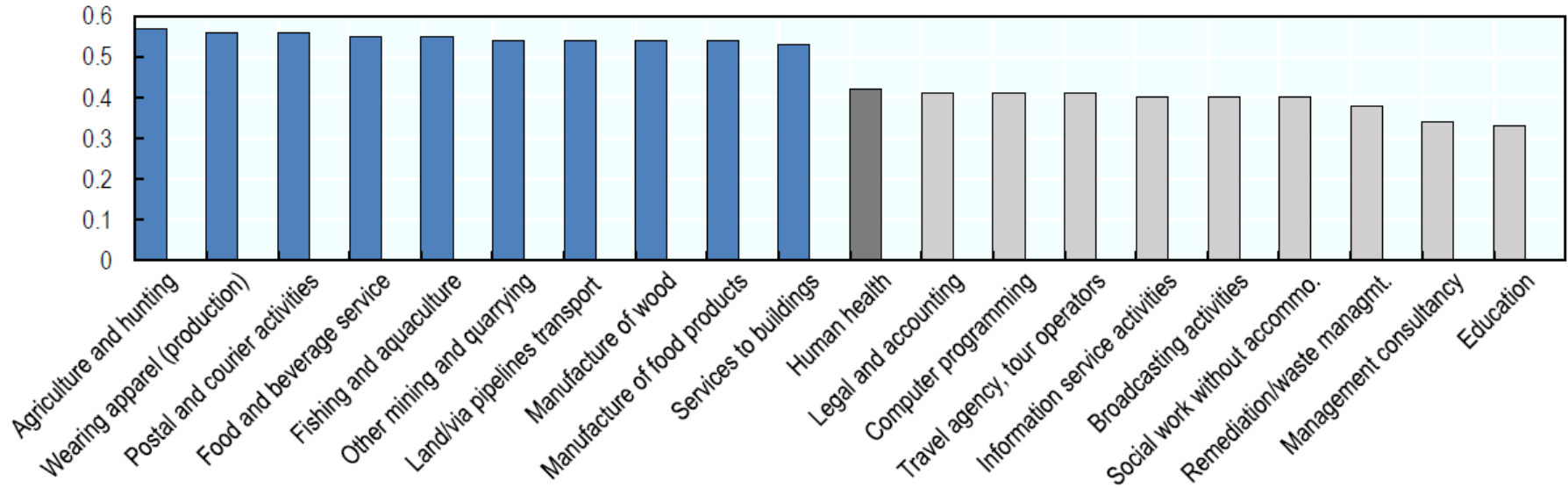


Artificial or augmented intelligence?

Jobs most and least likely to be automated, 20 industries

■ Highest mean probability of job automation

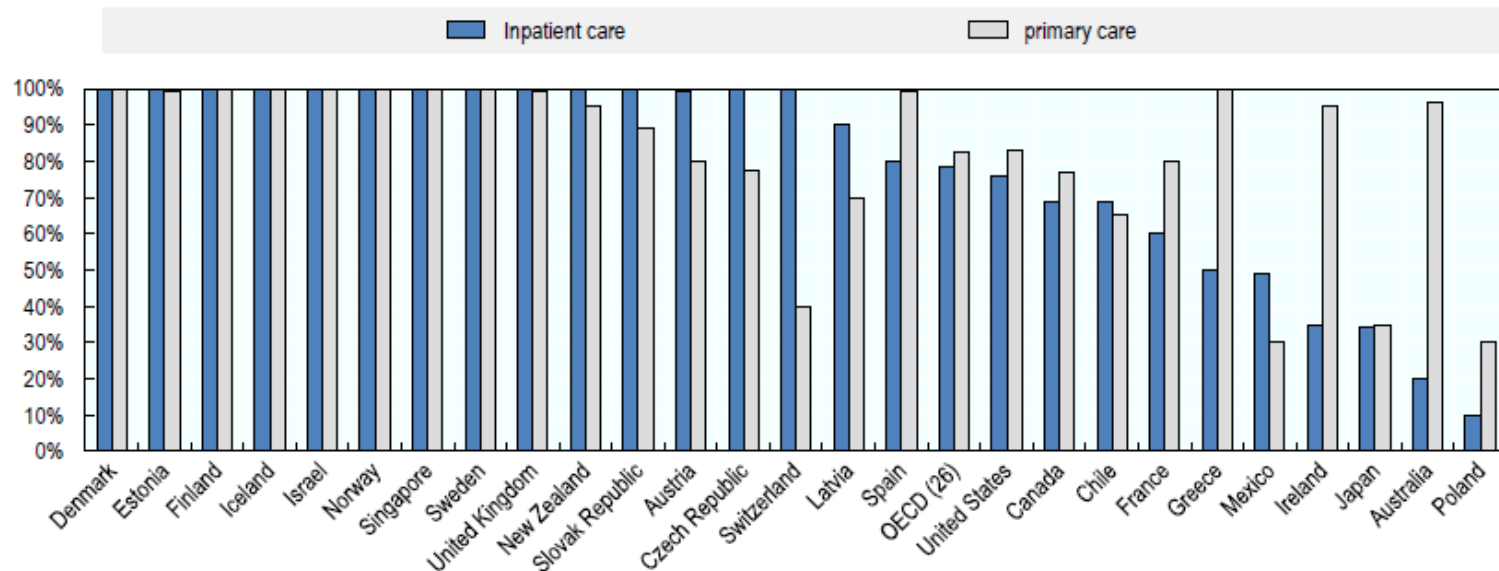
□ Lowest mean probability of job automation





Health care is rapidly 'digitising', but how to make the most of it?

Percentage of primary care physician offices and acute care hospitals using electronic medical records, 2016

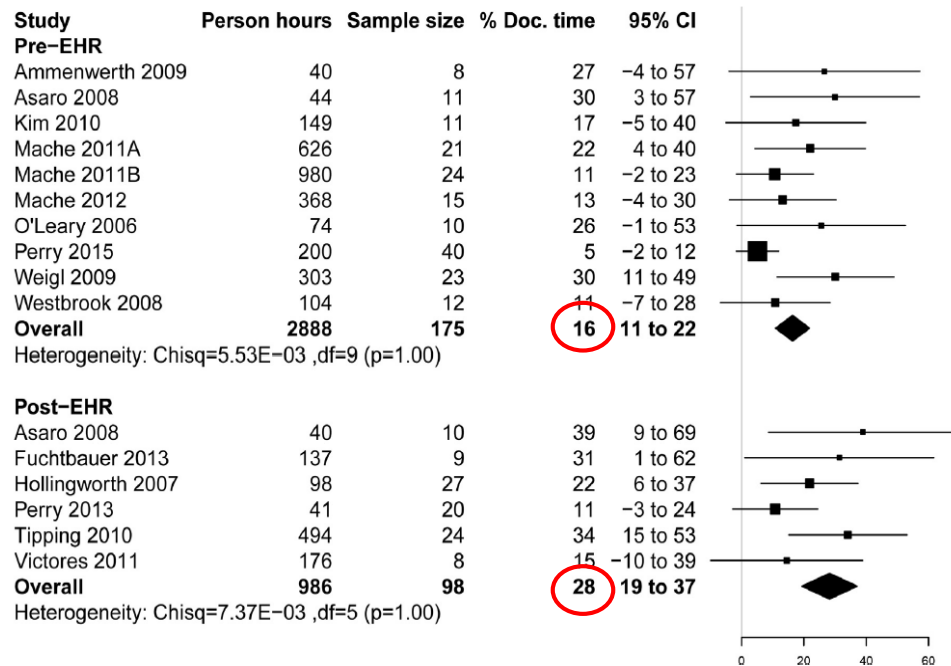


Note: United Kingdom: England, Scotland and Northern Ireland (excludes Wales).



Too often, technology is still ‘getting in the way’ of work

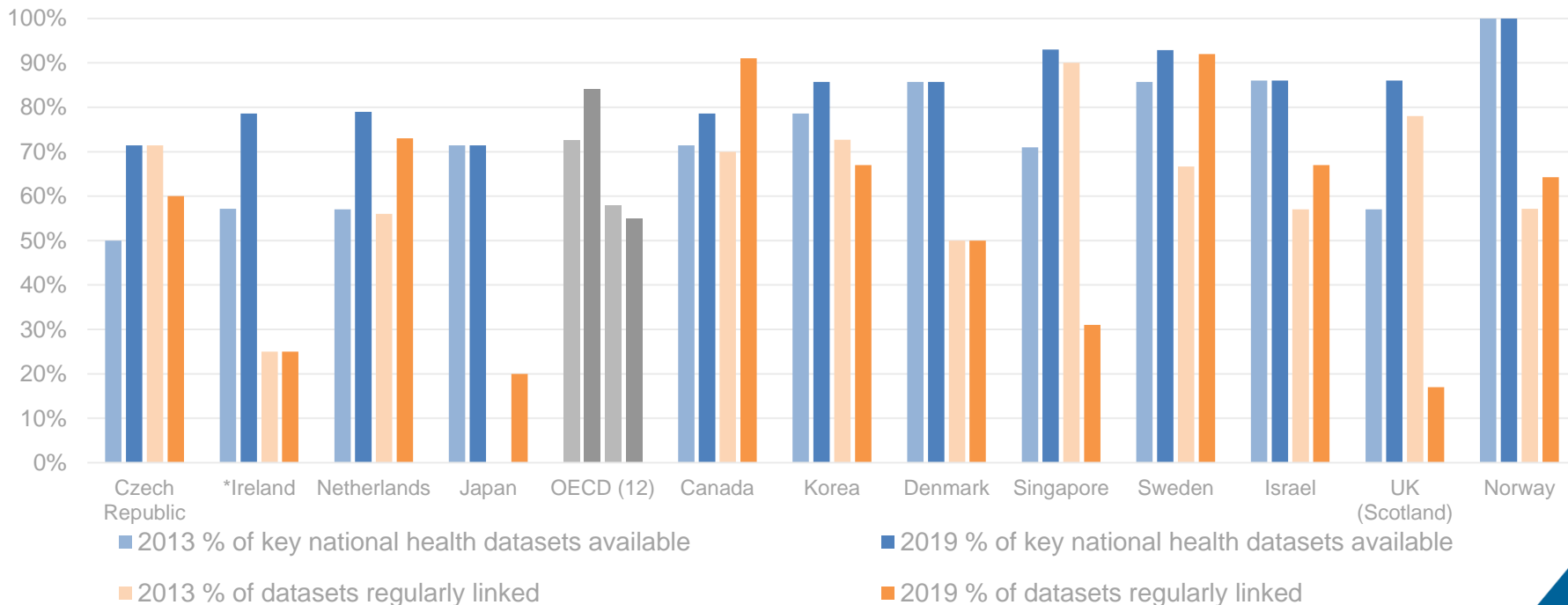
Pre- and post-EHR comparison of percentage of total workload spent on documentation tasks by physicians





Data can be most relevant when it follows the people across the health system

Availability of data is growing but their linkage appears stagnant





OECD Health Policy Studies

Health in the 21st Century

PUTTING DATA TO WORK FOR STRONGER HEALTH SYSTEMS



Most barriers are not technological

“The key barriers to building a 21st century health system are not technological.

They are found in the institutions, processes and workflows forged long before the digital era.”

<http://www.oecd.org/health/health-in-the-21st-century-e3b23f8e-en.htm>



Rights skills and right work processes



30 to 70% of health professionals* report knowledge and skills shortages relating to digital tools and data analytics



Outdated day-to-day work processes do not enable the digital technology to add value



A digital tool is often a “black box” to a health worker or is not informed by workers’ and their patients’ needs

* depending on category and country



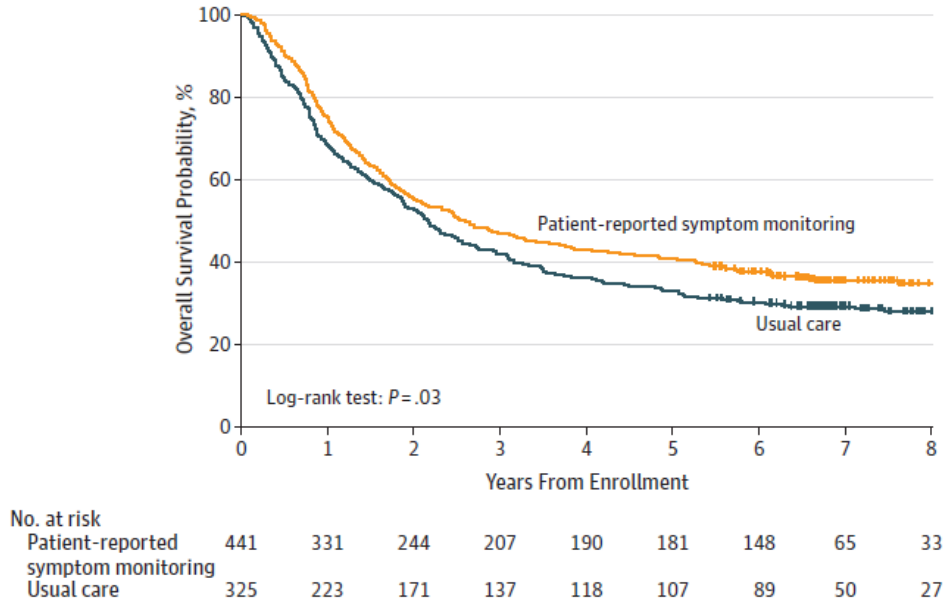
People (rightly) expect a health system designed around their needs & preferences





Listening to patients makes a difference

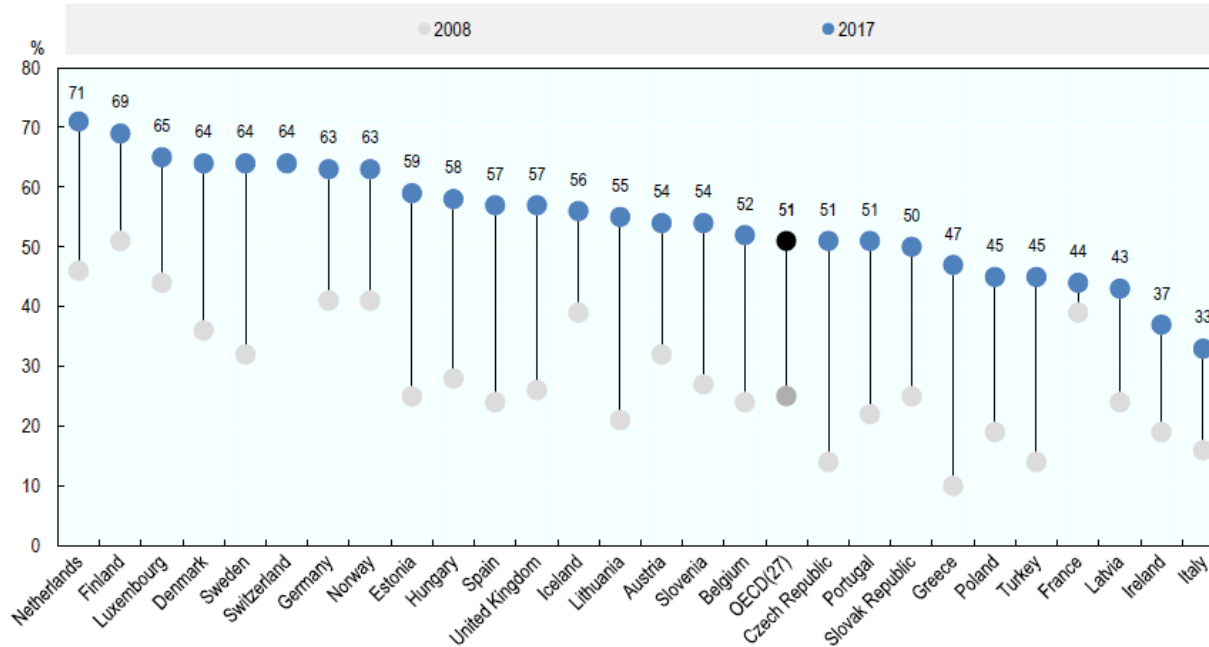
Figure. Overall Survival Among Patients With Metastatic Cancer Assigned to Electronic Patient-Reported Symptom Monitoring During Routine Chemotherapy vs Usual Care





People want to take control of their own health

Percentage of adults who sought health-related information online, 2008 and 2017



Source: Health in the 21st Century www.oecd.org/health/health-in-the-21st-century-e3b23f8e-en.htm



But still too seldom people can interact with their own records

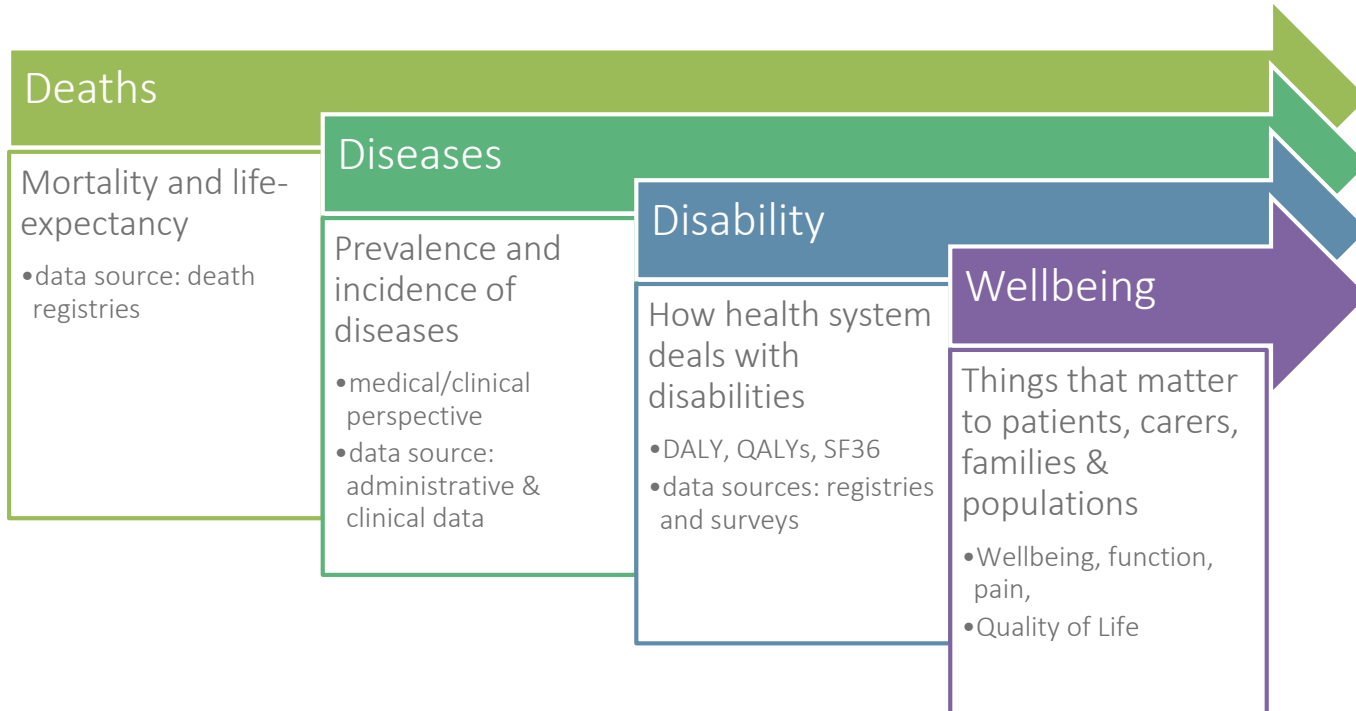
70% of countries planning to allow people to access their electronic medical record

43% of countries say that people will be able to interact with their record





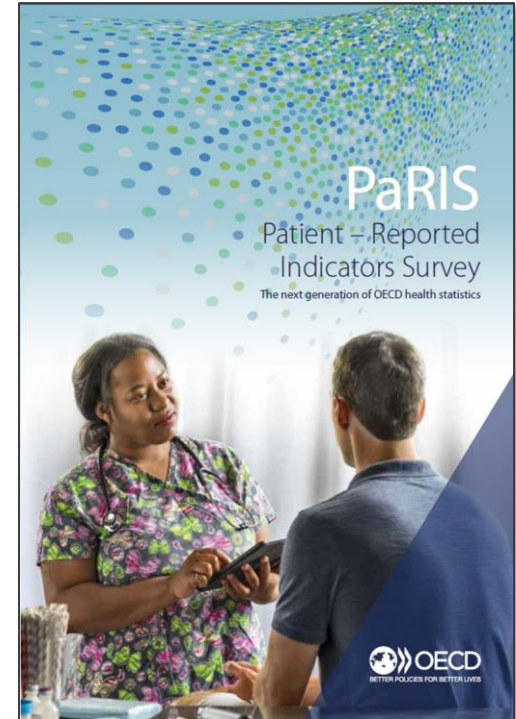
Time for a new generation of health measures...





PaRIS - www.oecd.org/health/paris.htm

- New international survey of patients with chronic conditions treated in primary care
 - ✓ all countries invited to join!
- Three international working groups
 - ✓ Hip and knee replacements
 - ✓ Breast cancer
 - ✓ Mental health
- PaRIS helps
 - ✓ Policy makers, to identify the areas that require policy attention
 - ✓ Providers, with feedback data to improve quality
 - ✓ Patients, to understand how their care is improved for them





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