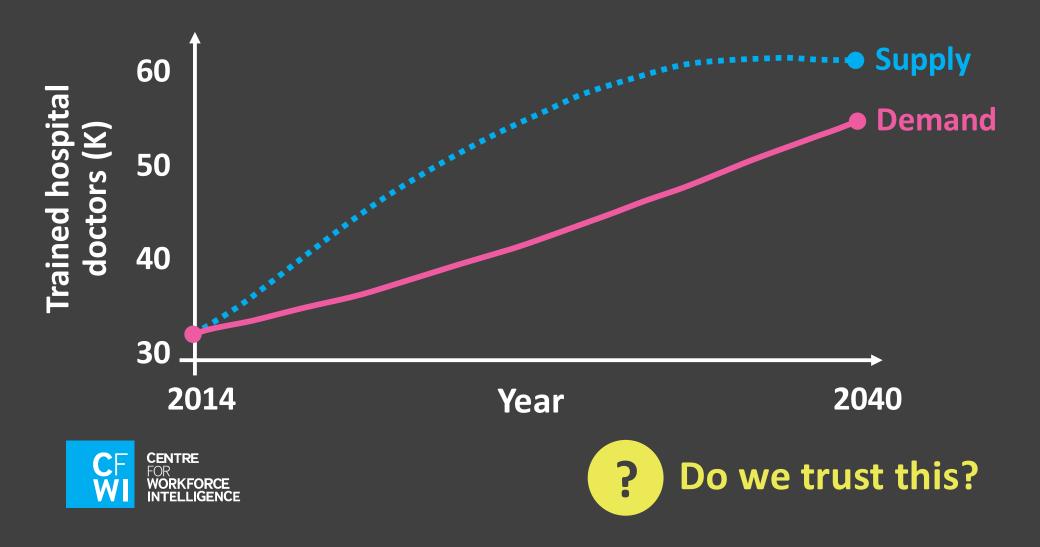
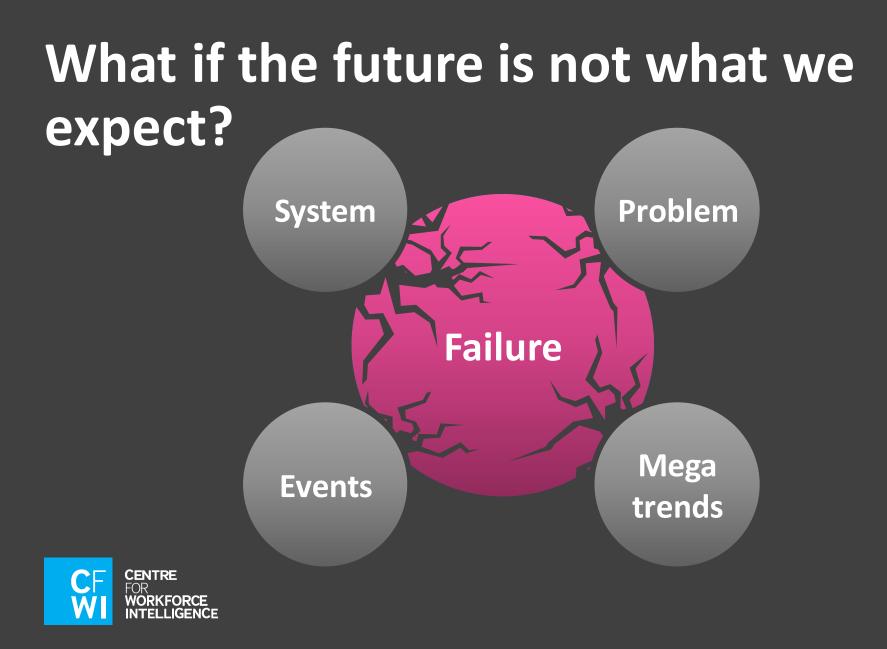


Applying scenario methods to health and social care workforce planning

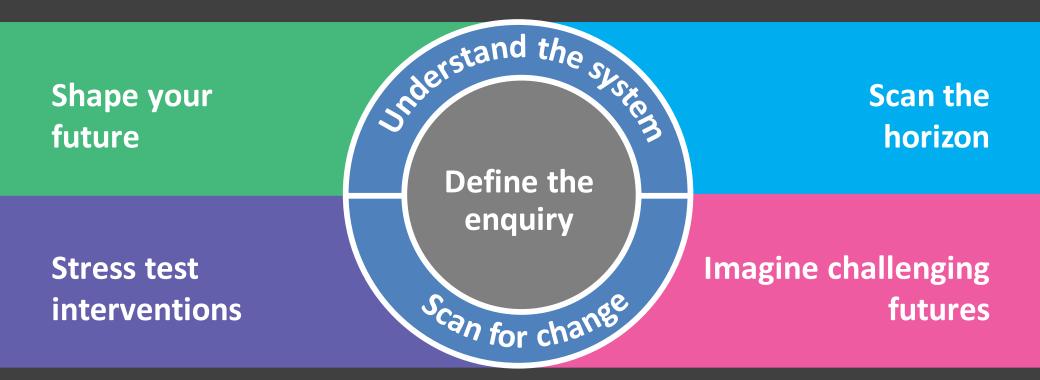
Dr. Graham Willis Head of Research and Development, CfWI E: graham.willis@cfwi.org.uk T: +44(0)78 1234 0405

What we used to do...





Robust workforce planning





High degree of stakeholder involvement in all stages

Horizon scanning

Issues

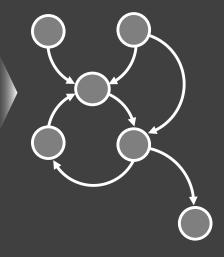
Factors

Events

Contextual analysis

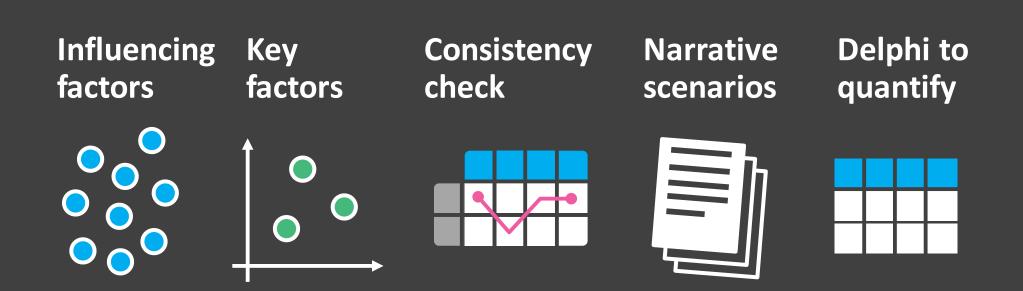
Ideas about the future

Probability Impact Workforce Stakeholder Systemic analysis



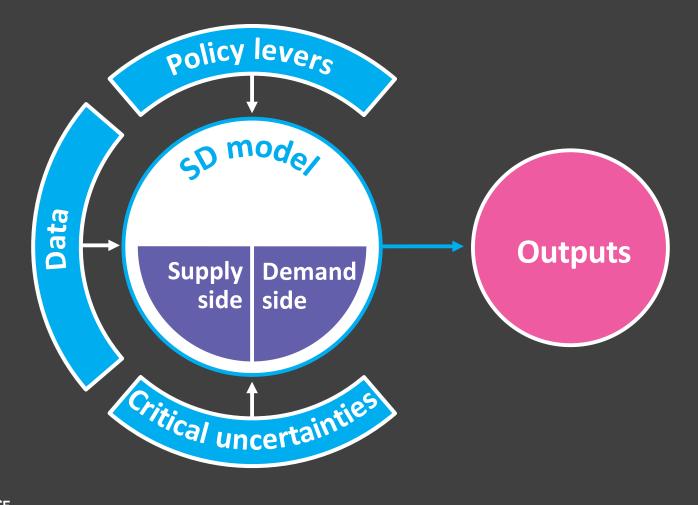


Scenario generation





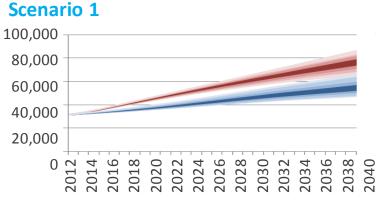
Modeling and simulation



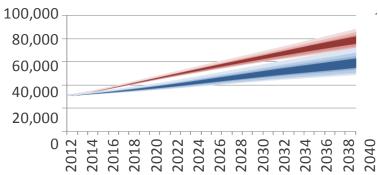


Pharmacy: how uncertain is the future?

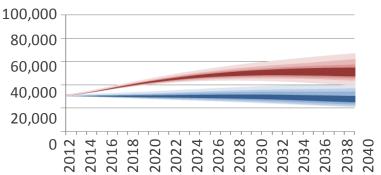
Number of pharmacists (full-time equivalent)



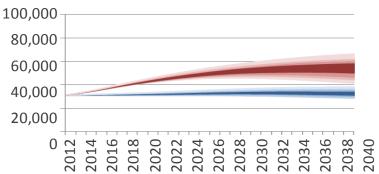
Scenario 3



Scenario 2

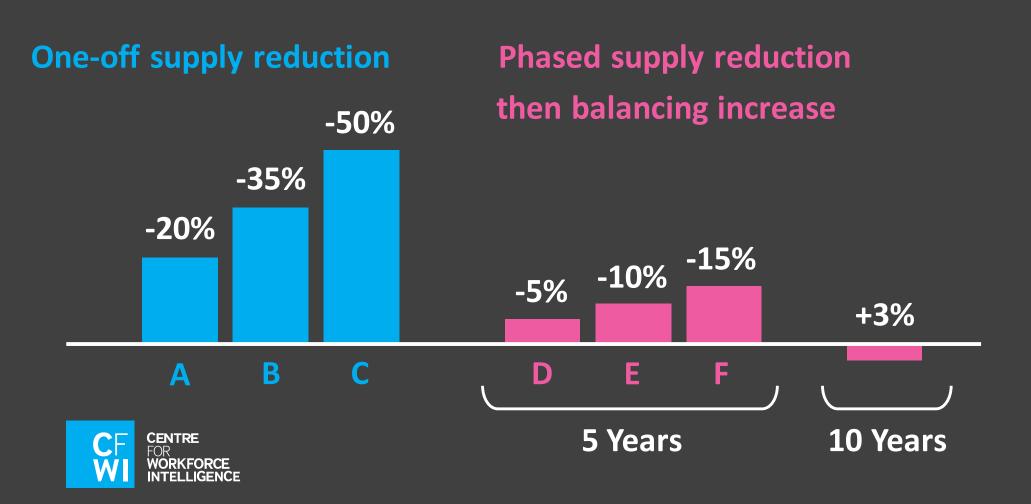


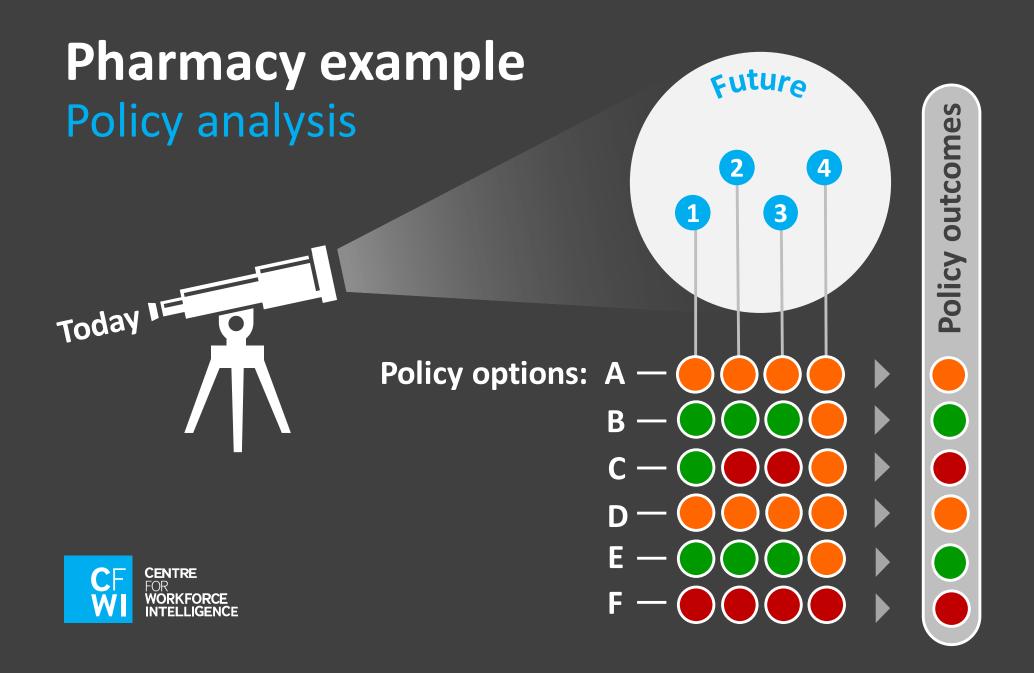
Scenario 4



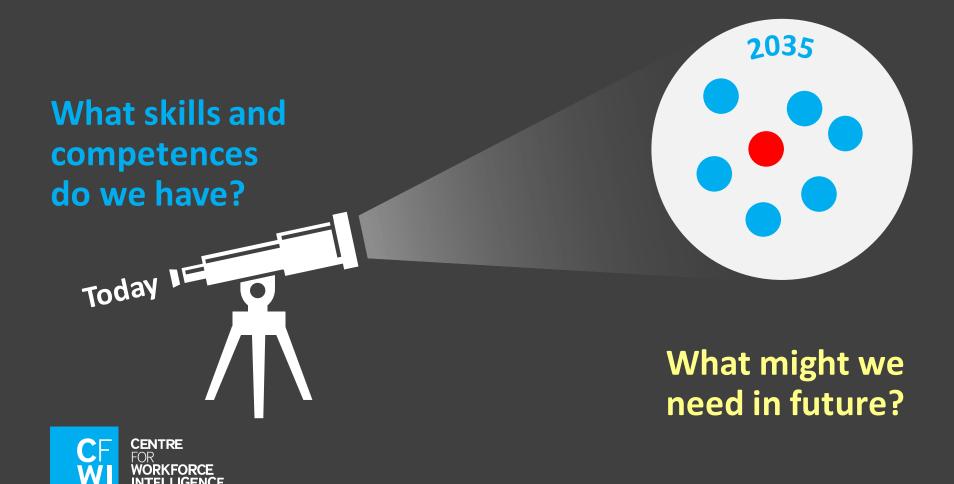
Year

Policy options



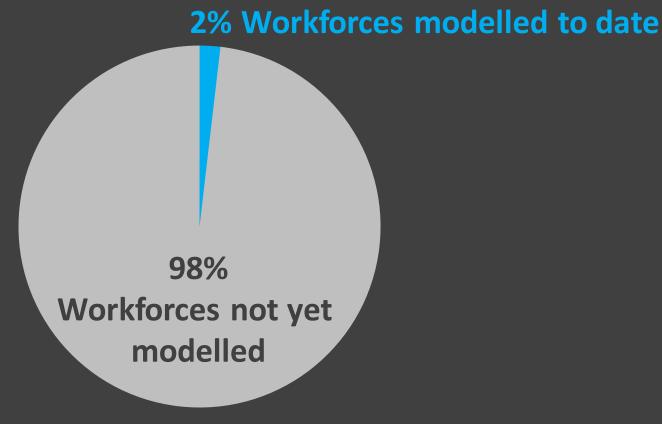


A new challenge: Horizon 2035



What had we modelled in 2013?

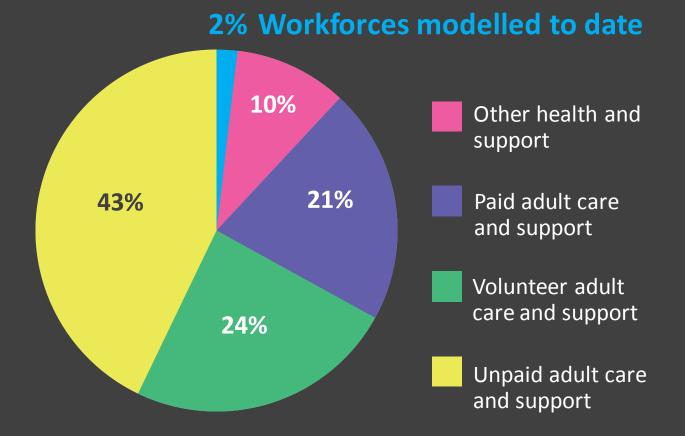
Health Public health Social care





What about the rest of the system?

Health Public health Social care





Some embarrassing problems... ...mostly resolved!

- 1. Too many Delphi questions!
- 2. Only four scenarios?
- 3. We don't know what skills are needed to meet future demand.

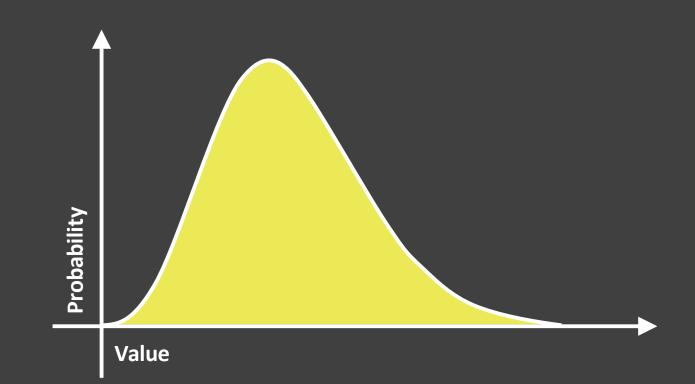


Solution 1: SHELF

Sheffield Elicitation protocol

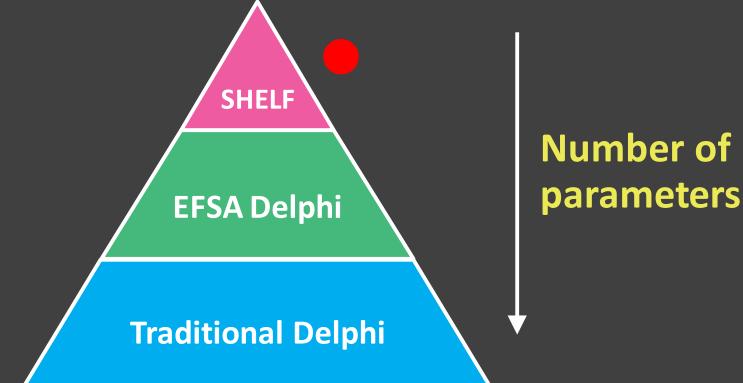
Monte Carlo simulation





Solution 1: Expert elicitation framework

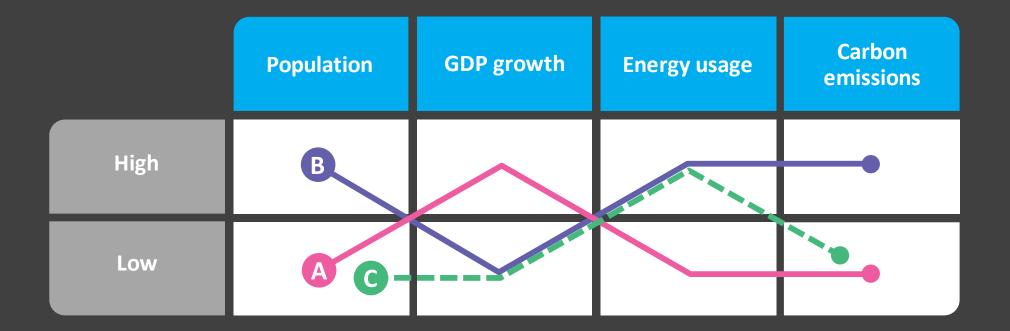
Intensity of effort





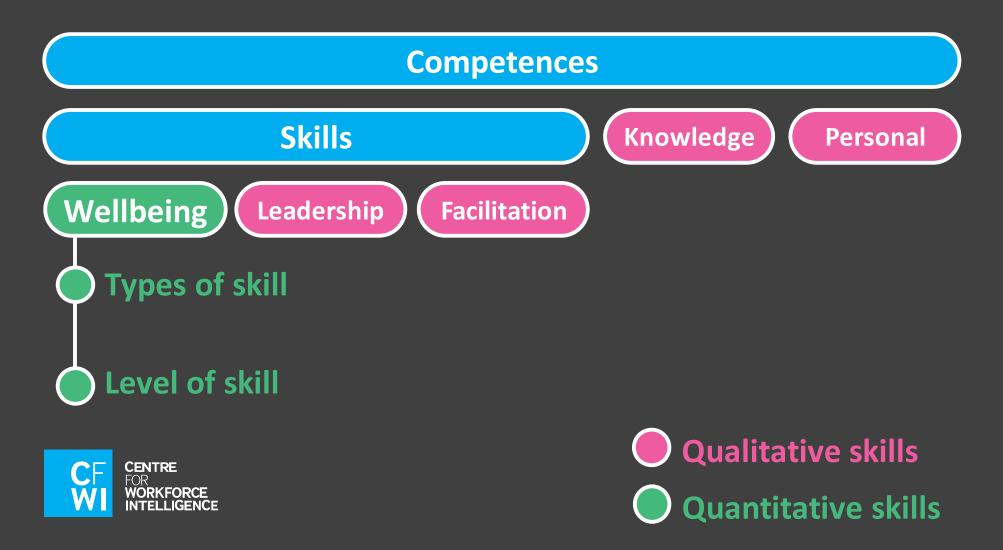
Solution 2: GBN method +C +A \bigcirc R +D -D **-**C **-B** +B CENTRE FOR WORKFORCE ·Δ

Solution 2: CIB Analysis





Solution 3: Skills framework



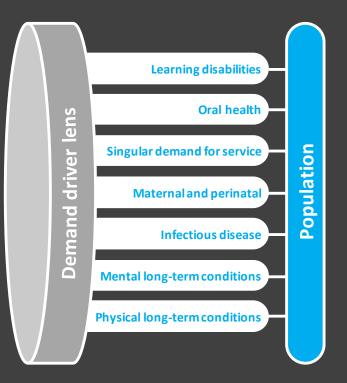
What skills do you have today?

Skill types groups Prevent Adult social care and competency lens Enable Nurses Assess Dentists Plan **Medical generalists** Treat **Medical specialists** Rehabilitate Skills Volunteer care and support Relieve Other workforce groups Link CENTRE FOR WORKFORCE INTELLIGENCE

Workforce

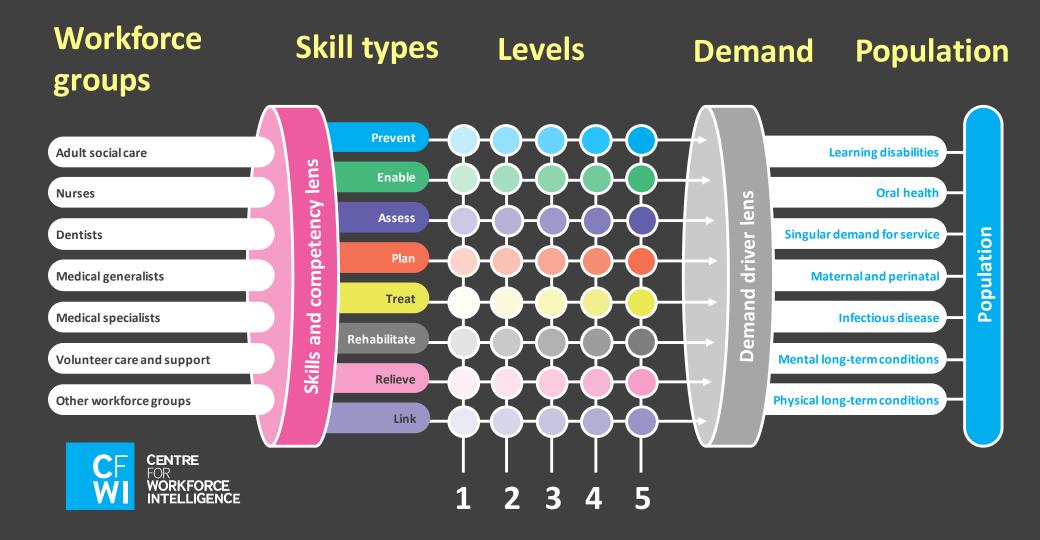
What drives the demand for skills?

Demand Population

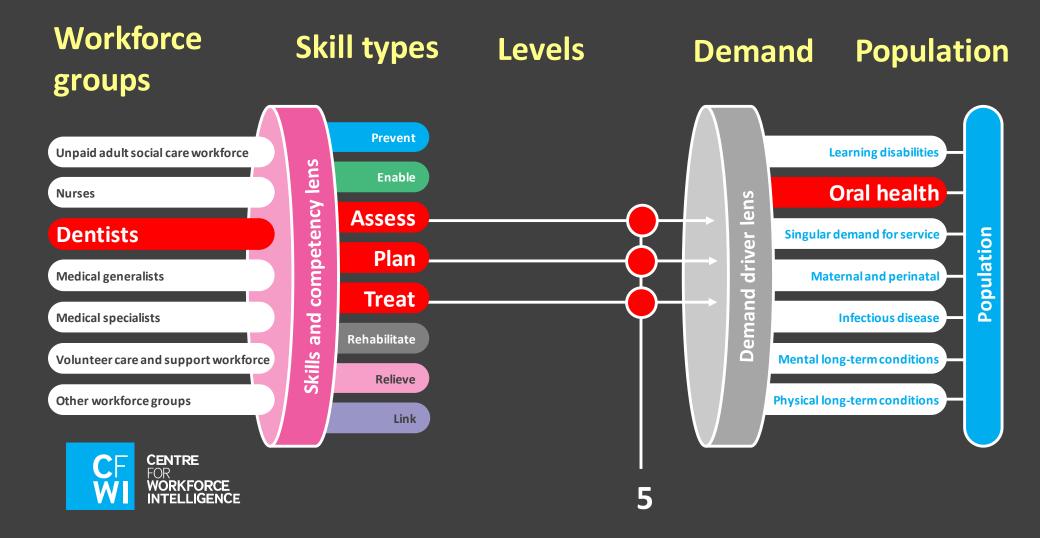




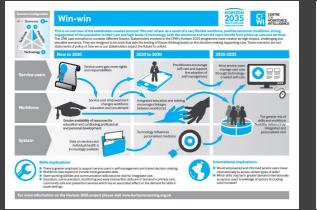
How do our skills met demand?

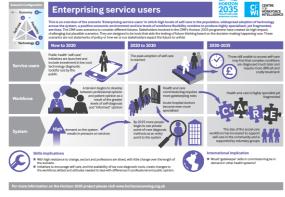


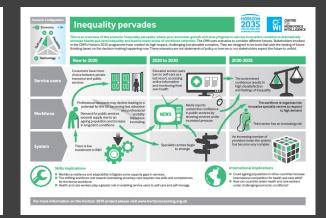
How do our skills meet demand?



Different futures Six narrative and quantified scenarios

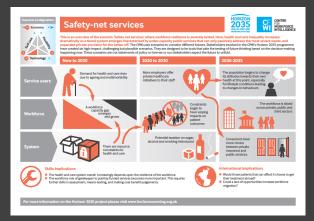




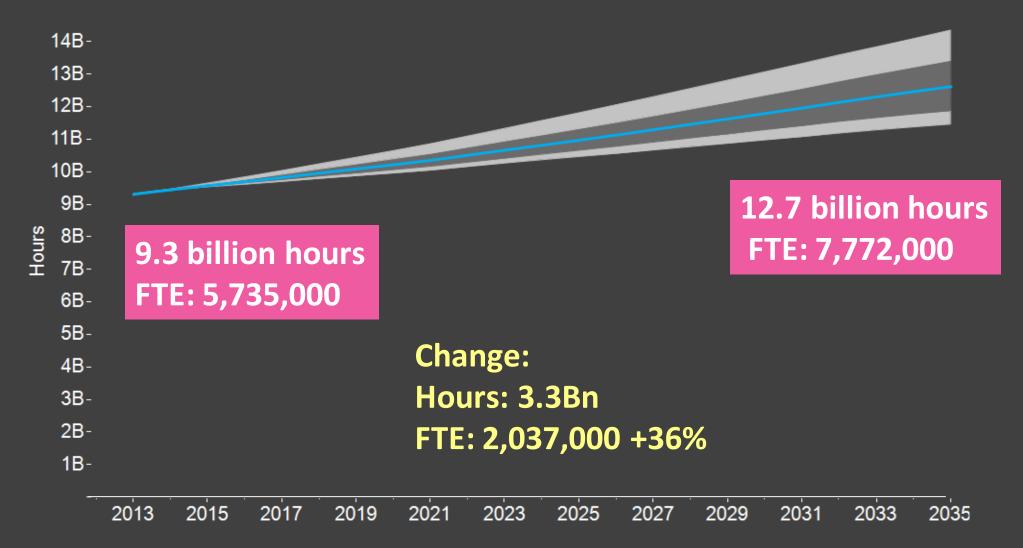




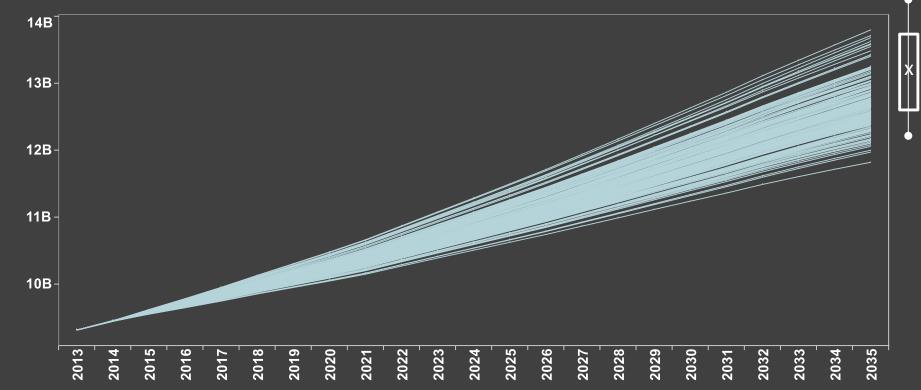


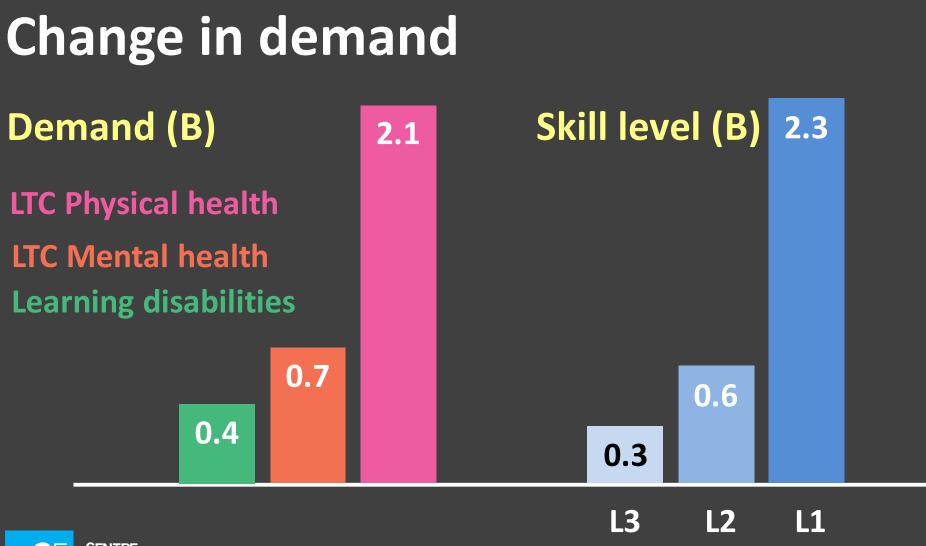


How does skills demand change? Reference future



How does skills demand change? Monte Carlo simulation







Next steps

- 1. Multi-scale scenarios and reuse.
- 2. Probability of scenarios?
- 3. Presenting findings to policy makers.



More information



Horizon 2035 Future demand for skills: Initial results

http://www.cfwi.org.uk/publications /horizon-2035-future-demand-forskills-initial-results





Applying scenario methods to health and social care workforce planning

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