



Presented by Gueorguie Vassilev

Head of Economic Well-being and Human Capital, ONS

economic.wellbeing@ons.gov.uk

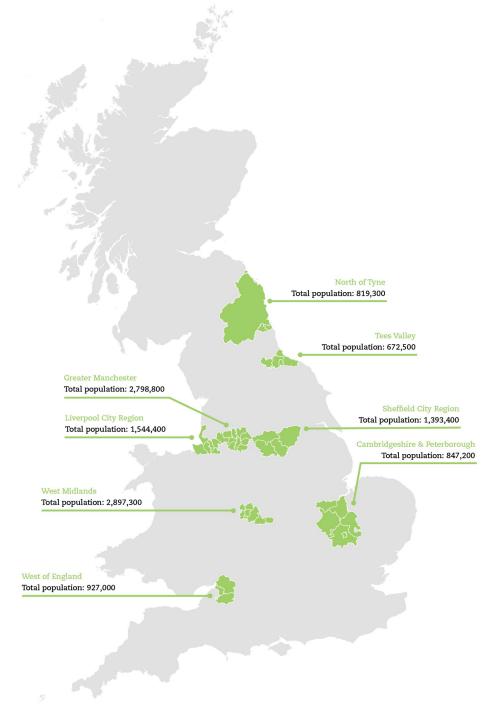
Agenda

- 1. Recent experience measuring and developing human capital statistics
- 2. Intentions of future statistical production and analysis
- 3. UK focus

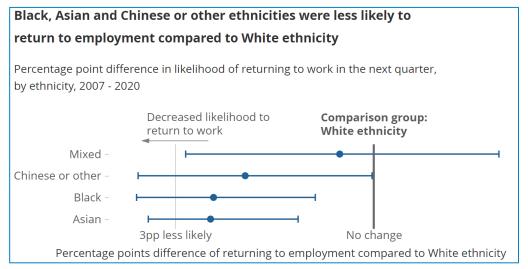
Motivating factors

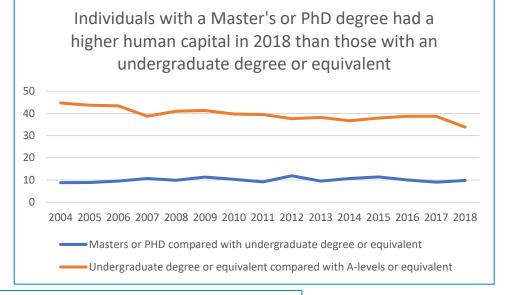
1. Devolved political policy-setting

- 2. Considering investment in the UK's workforce
- 3. Interaction between human capital and other policies



Recent experience







Producing human capital stocks

Sources: Labour Force Survey (s), life expectancy tables

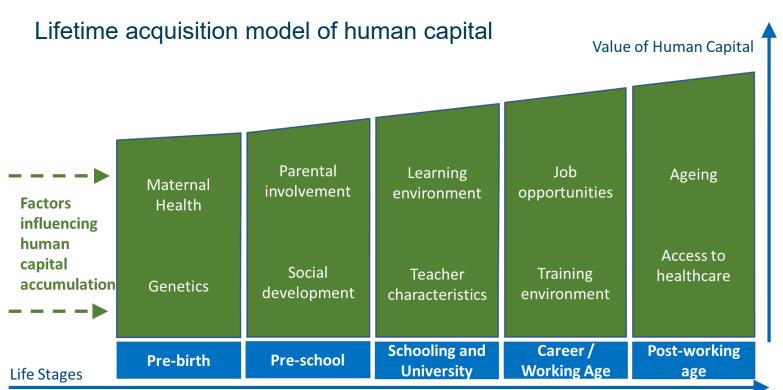
Methods: Fraumeni framework – discounted adult lifetime earnings

Data requirements – earnings (all employee jobs) and education transitions by age, sex, qualifications (others for developments)

Main assumptions:

- 1. Lifetime earnings at age X calculated based on current earnings fort those at age above X, up to age 65
- 2. Earnings measure one year's marginal product
- 3. Future earnings discounted at 3.5%, annual nominal growth of 2%
- 4. Real stocks calculated with Tornqvist index

Future statistical needs



- Consider wider scope of human capital factors
- 2. New data requirements e.g. commercial job adverts
- 3. Links to National Accounts

Bringing back to a coherent framework - questions

- 1. If human capital is an asset, what is investment? Are some elements current spending?
- 2. What would be the scope?
- 3. If there is investment, what are the products?
- 4. If there's an asset, who owns it?
- 5. Where is the new production boundary?
- 6. What is the price/deflator?



Bringing back to a coherent framework – answers?

- 1. Investment = increase in skills or knowledge; Valuation? current spending = 'maintenance' of human capital
- 2. Scope = Education, Family, Health, Work, Life experience
- 3. Products = skills + knowledge, not education levels
- 4. Ownership = All + further distributive transactions?
- 5. Boundary = unpaid work, independent learning
- 6. Deflators = marginal skills prices



Questions

Contact: economic.wellbeing@ons.gov.uk