

Defining the size of the health innovation prize report

techUK Briefing

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Introduction to the Network

We are *the* health innovation adoption experts.



More than **4.9m**
patients have
benefitted from our
national programmes
and initiatives since
2018



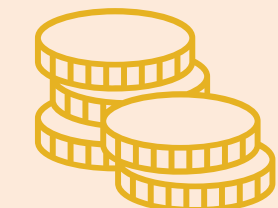
More than
340,000
hours of healthcare
staff capacity released
through our
programmes and
initiatives since 2020



£3bn
investment leveraged
since 2018 by
companies we have
supported



11,000
jobs either created or
safeguarded in
companies we
supported



3:1
return on investment
delivered through our
innovator support
(using Treasury Green Book
methodology)

Health Innovation Network

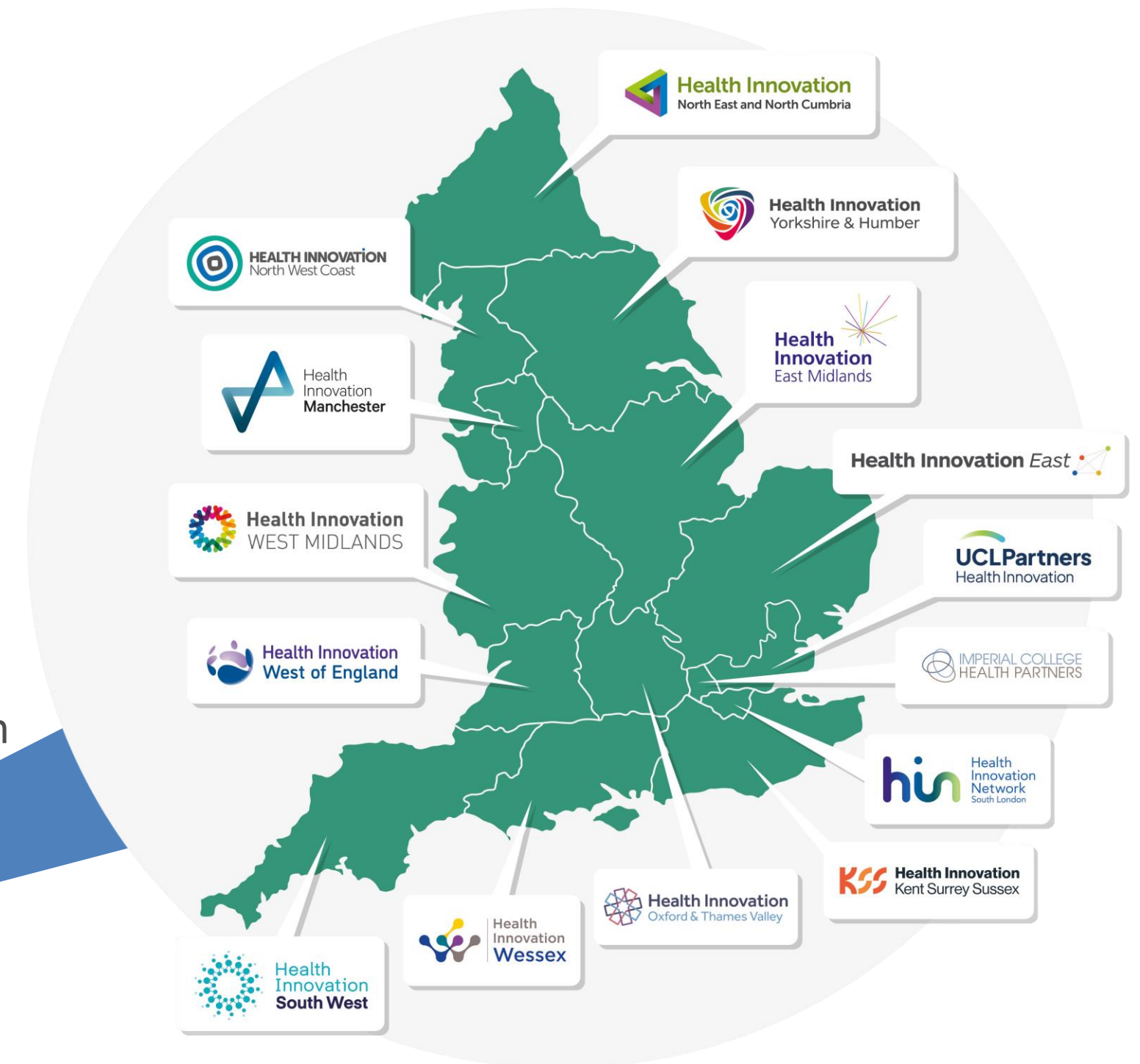
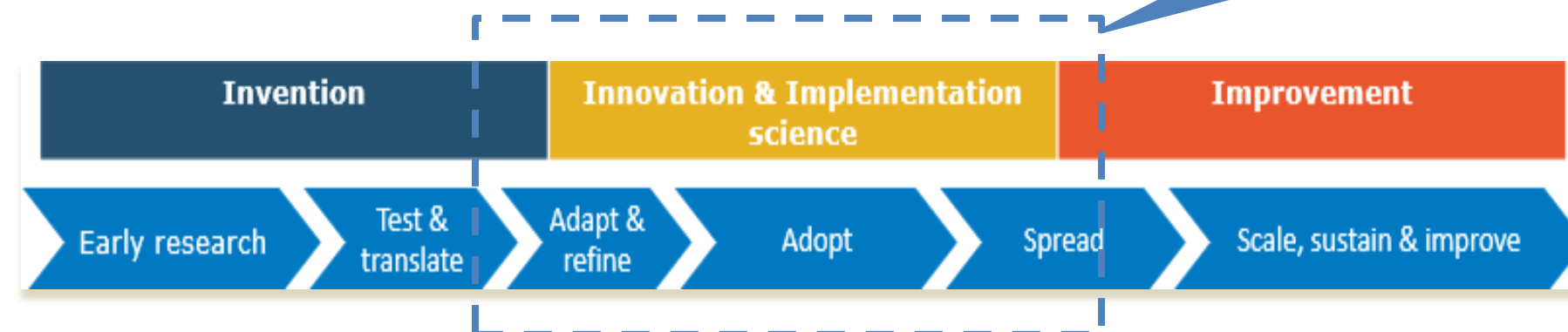
Local change, national impact

We tackle national problems, with local understanding.

There are 15 health innovation networks across England, organisations that bring together the NHS, industry, academia and the third sector to help drive health innovation across the NHS, at pace and scale.

Each network is fully-embedded in their local health and research ecosystem for over a decade.

All our work is **delivered in partnership, maximising the impact of innovation at national, regional and local levels** across the research and innovation ecosystem.



Office for
Life Sciences

NHS
England

We transform lives through innovation by supporting health and social care teams to find, test and implement new solutions at scale to the NHS' greatest challenges, driving economic growth.



Find
high-potential
innovations
in areas of
unmet need

More than
3,100
innovations in
our national
pipeline

We curate a national innovation pipeline of new high promise technologies, ideas and medicines that enables health & care systems find and prioritise the most promising solutions, and support innovators to prepare their solutions for real world implementation.



Test
and prepare
high-promise
innovations for
real world
adoption

More than
2,800
companies
have been
supported

Through partnerships with innovators and health and care systems, we test innovations in the real world, prove their value and prepare the innovation for large scale adoption, supporting the innovators to ensure new solutions are 'adoption ready'.

Almost
£3bn
investment
has been
leveraged



Implement
proven
innovations
at scale

More than
4.9m
people have
benefitted

We demonstrate the value of innovations at sub-national scale and prepare them for spreading nationally. We then deliver impact through national implementation programmes, adapting the implementation of solutions to deliver value in different local contexts – urban, rural and coastal.

- ✓ **Improved population health**
- ✓ **Increased NHS efficiency**
- ✓ **Economic Growth**

Our offer to innovators

Distinctive

A unique offer provided depending on resource availability

Enhanced

14 services available to selected innovators where the solution meets a local priority or unmet need

Transition to Enhanced Offer guided by meeting the Health Innovation Network threshold, for example is there a local demand or does it meet a Network priority

Universal

4 core services available to all innovators at no cost – UK and International

Health Innovation Network

Local change, national impact



Office for
Life Sciences

As a Network, we are commissioned by the Office for Life Sciences to provide support to innovators. We curate a national pipeline of over **3100 innovations, new high promise technologies, ideas and medicines**, to find and prioritise the most promising solutions to areas of unmet NHS need.

We support the innovators to prepare their solutions for real world implementation, ensure new solutions are 'adoption ready' for a real-world settings and deliver partnerships with innovators and health and care systems to test the innovation in the real world, prove value and prepare innovation for large scale adoption.

Our innovator support offer includes:

- Help to navigate the NHS
- Signposting to resources
- Market access studies and research
- Developing a value proposition
- Evaluating real-world impact
- Health economic reports / business cases
- Implementation support and advice for adopting organisations
- Grant funding opportunities
- Product development

235
Horizon
scans
completed

88
evaluations
initiated

150
innovations
introduced to
new clinical
setting

685
companies
receiving
highest level
support

197
innovations
being
evaluated



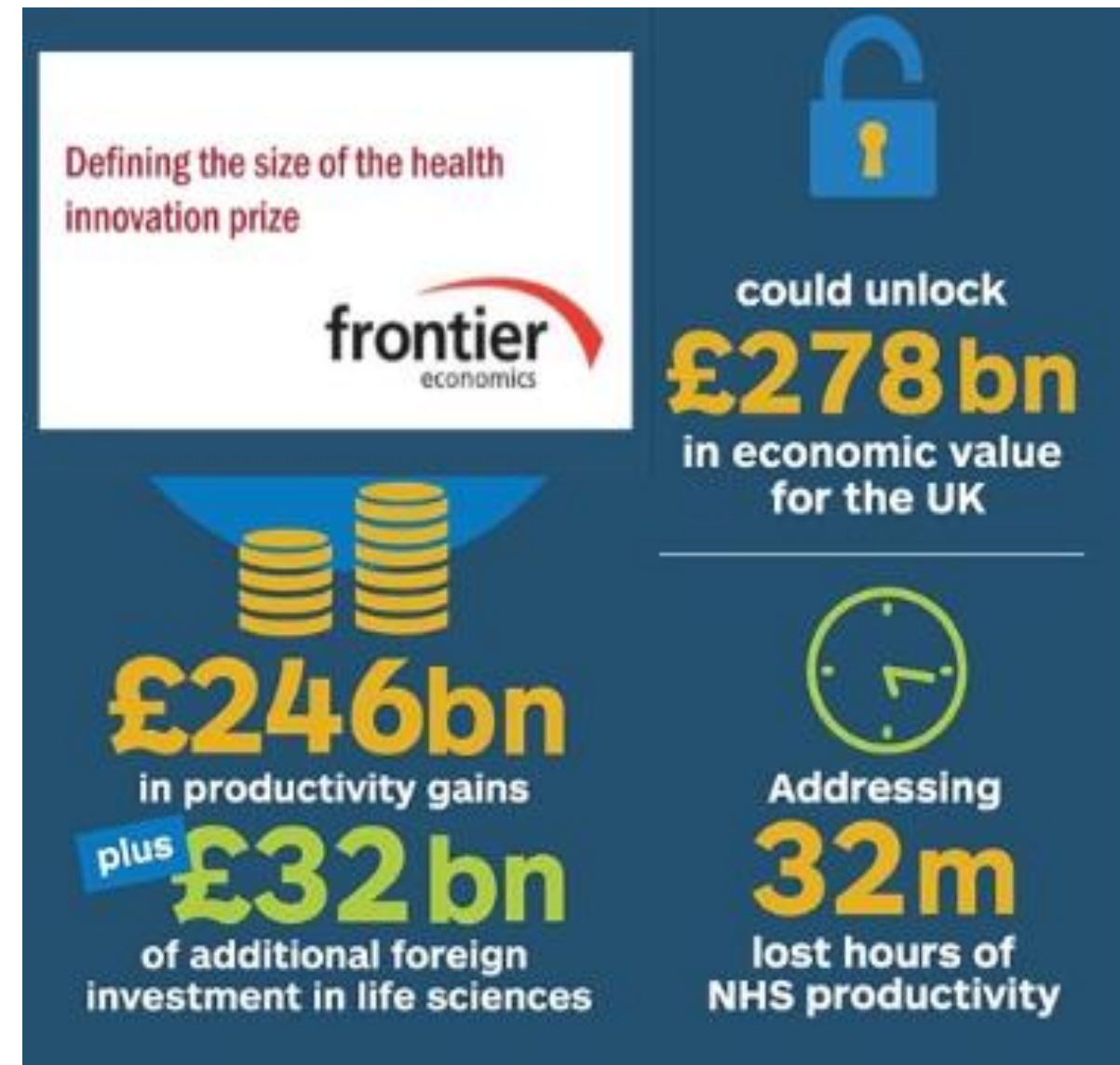
Defining the Size of the Health Innovation prize

Defining the Size of the health innovation Prize – Frontier Economics report

This isn't just about fixing the NHS – it's about positioning the UK as a world leader in health innovation through our Plan for Change and ensuring our healthcare system drives prosperity rather than holding it back.

The findings in this report will help inform our mission to build a health service that delivers for patients and contributes to a stronger economy.

Health Secretary Wes Streeting



This report sets out the impressive potential we can unlock by using the NHS as an engine for innovation. From personalised therapies for diseases, to using AI to free doctors and nurses from admin so they can spend more time with patients, new technologies stand to benefit both our health and the economy.

Science Minister Lord Vallance

The health innovation prize

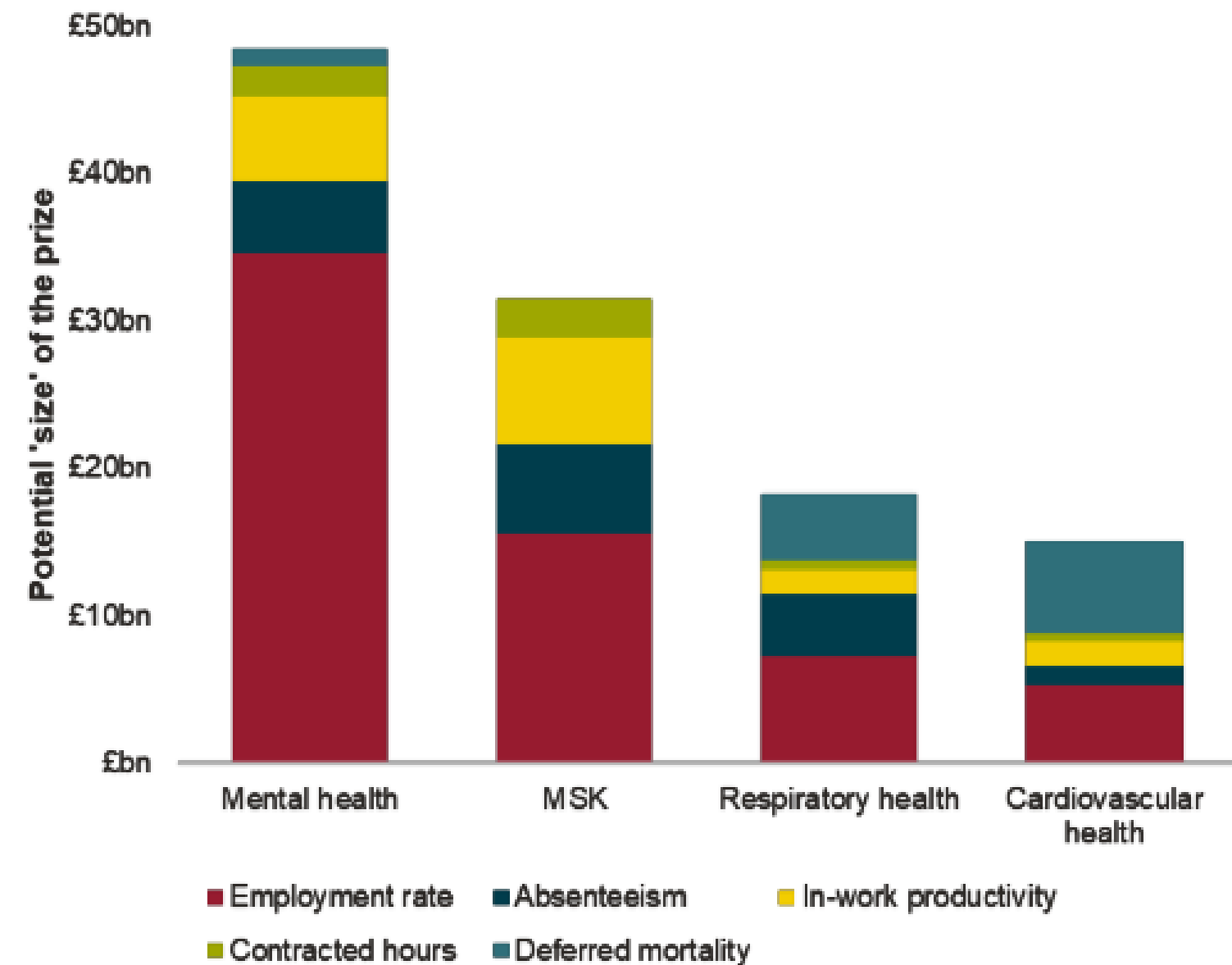
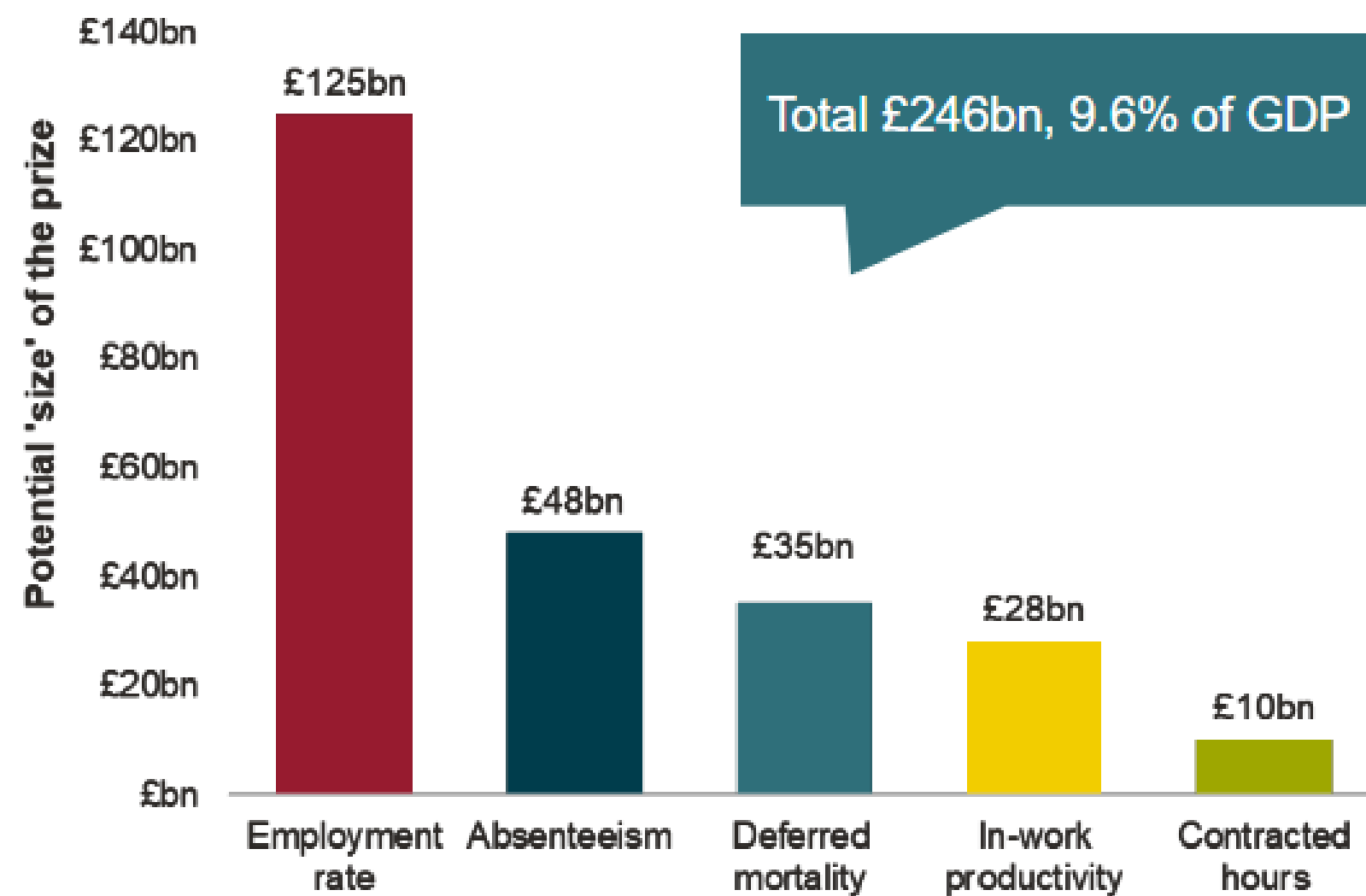
What is the cost of ill-health?

June 2025

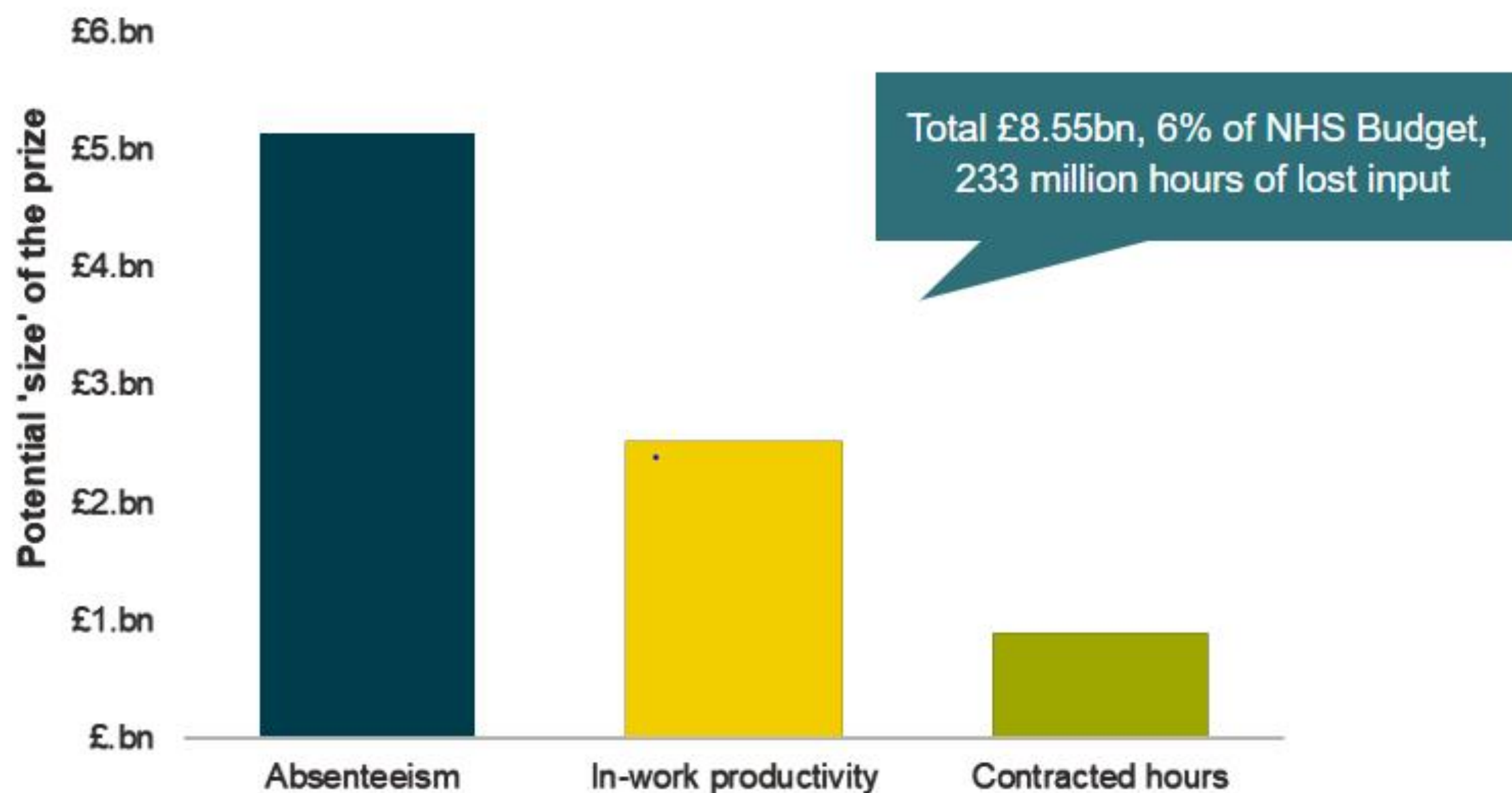
Health innovation generates value. We were appointed to understand how much future value might be at stake through the lens of the cost of ill-health.

- Question we were asked to address: **What is the cost of ill-health to the economy and the NHS?**
 - We have undertaken “**top down**” analysis to answer the question, at the level of the whole economy and for the NHS
- Innovation in healthcare is one way in which value (growth, increased productivity) will be created by tackling ill-health
- Supporting analysis:
 - Innovation itself generates further economic value through investment and business growth – we have provided focused **analysis on foreign direct investment**
 - Role of innovation in reducing health-related economic cost – we have provided some “**bottom up**” **examples** to demonstrate that health innovation can play that role

Innovation that maintains health, returns people to work and improves their in-work productivity could help to address large current costs of ill-health



Innovation can also help to reduce ill-health in the NHS workforce – enabling it to treat more patients.



Improving the climate for innovation can also help to encourage new overseas funds to come to the UK

Total yearly UK economy contribution in 2035 from FDI					
	2023 (actual)*	Low	Medium	High (DE)	High (FR)
R&D spillovers	0.1 bn	£0.4 bn	£3 bn	£5.6 bn	£10 bn
Employment (# new jobs)	4,123	8,128	49,629	90,091	158,687
GVA	£13.7 bn	£14bn	£16 bn	£18bn	£22 bn
Total	£13.8 bn	£14.3bn	£19bn	£24bn	£32bn

There is clear evidence that innovation can deliver these improvements: where innovators and deliverers of care combine, we can improve in-work outcomes

Cholesterol level optimisation

The total potential impact of proactive care from full roll-out. Proactive care is expected to reduce the number of CVD events.

	First year of optimised treatment	Continued treatment
CVD events avoided	2,500	12,300
Deferred mortality	£82mn	£381mn
Employment impacts avoided	£160mn	£750mn
Total	£242mn	£1.13bn

Stroke AI Imaging

Stroke AI Imaging aims to increase the number of stroke patients who are treated with MT. E-stroke technology is expected to reduce mortality and disability for those who receive the treatment following stroke.

	Deferred mortality	Functional independence
Full-time employment	£22mn	£373mn
Part-time employment	£4mn	£60mn
Total	£26mn	£434mn

Questions

A stylized globe graphic composed of intersecting curved lines, creating a grid of diamond-shaped segments. It is positioned in the lower right quadrant of the slide, partially overlapping the dark blue background.