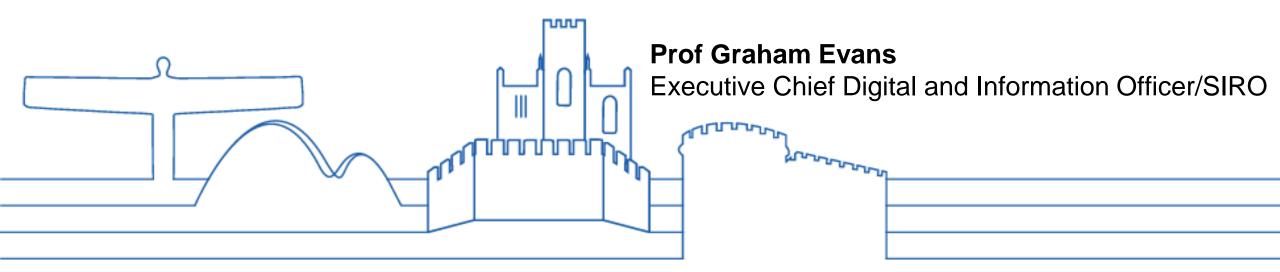


Integrated Care Partnership:

21 June 2023

'Developing an Information system for the North East and North Cumbria'



Regional perspective



North East and North Cumbria in numbers

3 million estimated resident population and the largest ICB in the country Census 2021

21% of the population aged 65 and over (England 18.6%) Census 2021

Nearly 1 in 3 live in the 'Core 20%' of the most deprived areas in England MHCLG

Circa **700,000** (55%) households are deprived in one more dimensions: housing, education, employment and health (Census 2021)

91% of the population are white British. (England 74%) Census 2021

79% rate their health as good or very good. (England 82%) Census 2021

Sources: 1 in 3 = 32% in most deprived area calculated from IMD 2019 MHCLG Open data. Population data from Census 2021. ONS

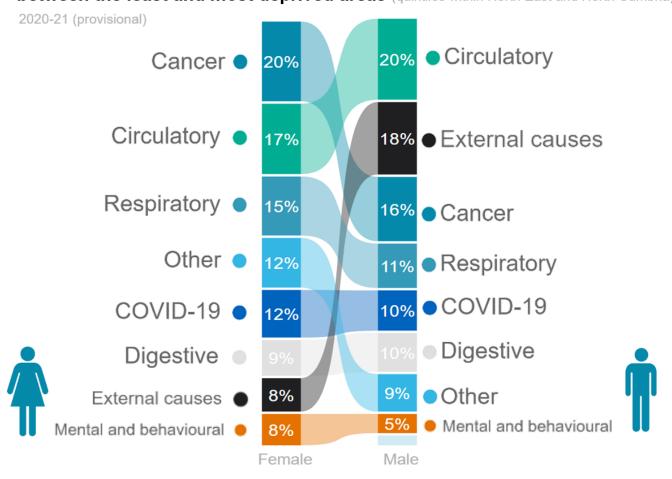
Deprivation and life expectancy



Diseases that contribute most to the gap in life expectancy between most and the least deprived areas

- The main three causes of death in women: Cancer. circulatory* and respiratory disease.
- In men, the main three are circulatory disease, external causes** and cancer.

The proportion each cause of death contributes to the gap in life expectancy between the least and most deprived areas (quintiles within North East and North Cumbria)



^{*}heart disease and stroke.

^{**}external causes: deaths from injury, poisoning and suicide

Regional determinants of health

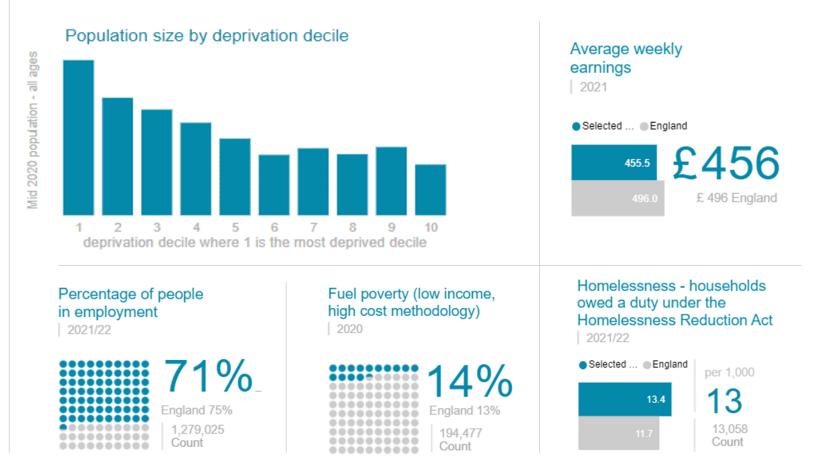


Prevalence of risk factors for health

A vast majority of the North East and North Cumbria population live in the more deprived areas of England

The area fares worse, for example, on employment, weekly earnings, fuel poverty and homelessness indicators compared to England.

Wider determinants of health: North East and North Cumbria



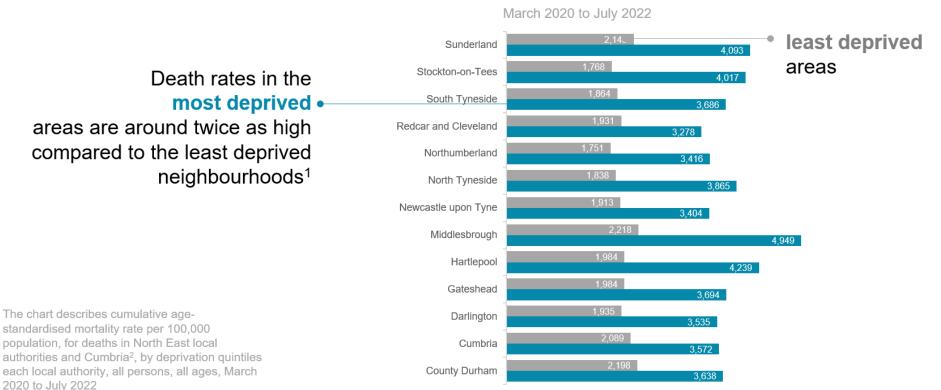
From: Picture of Health Sources: MHCLG Open data: English Indices of Deprivation 2019 - LSOA Level, and ONS mid year population 2020 by age. Contains public sector information licensed under the Open Government Licence v3.0. © Crown copyright 2020. 1 Deprived neighbourhoods are those lower super output areas (LSOAs) in the first two most deprived deciles of England.



Regional Pandemic impact



Pandemic impact: Disparities in death rates between the least and most deprived neighbourhoods within local authorities



Source: COVID-19 Health Inequalities Monitoring for England (CHIME) tool [15 November 2022]. All cause deaths, including COVID-19 deaths. Based on provisional mortality data, and may be subject to revision ¹ Neighbourhoods refer to lower super output areas divided into quintiles within a local authority – which is different to the quintiles within England (the Core 20). For example in Middlesbrough over half of LSOAs in the area are within the England's most deprived quintile, a much higher proportion than the 20% when comparing within area quintiles. ² North Cumbria values unavailable.

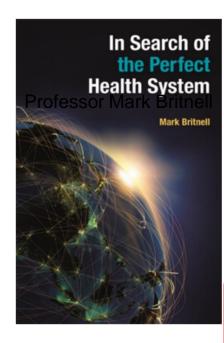
A system cannot be integrated without digital capability

North East and North Cumbria

Global lessons in integrated care

Professor Mark Bittnell, Mark Charle and Carlot and C

High performing integrated care systems have...



- A clear focus on quality with recognised quality management systems in place
- Multi-professional teams across health and social care working to agreed protocols and pathways
- Aligned financial incentives, usually bundled payments and capitation
- A digital infrastructure that supports care pathways and measures and monitors in near real time
- Rigorous guidelines that enhance compliance, recording and reflection. A self improving, intelligent system.

- Accountability for performance across and within organisations. Shared risk.
- Defined populations with active participation of patients. A deeply collaborative culture.
- New clinician-management partnerships that bring the best from both and don't confuse committees with action
 - A clear vision, Target Operating Model, levels of delegation and accountability.
 - A workforce designed to enhance integration for the patient and not just the clinical team or organisation

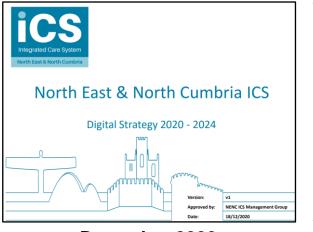
- **Digital Infrastructure**
- Digital
- Data
- Technology

Ref: Professor Mark Britnell - KPMG

Our strategic alignment – key steps







December 2020







North East North Cumbrid Health & Care

Better

health &

wellbeing

A plan to improve health and care

in the North East and North Cumbria

*O+IR+SEAIO

December 2022

Digital data and technology strategy 2023 - 2025

Refresh June 2023

Key points – Data driven decisions, DD&T workforce etc.

Sets strategic priorities

National data direction

What good looks like Digital inequalities

Digital and data chapter input

5 year joint

Forward plan

The golden thread...





Enablers

Learning

Better health & wellbeing for all...

Our integrated care strategy for the North East and North Cumbria

Our four key goals...



Longer & healthier lives

Reducing the gop between how long people live in the North East and North Cumbria compared to the rest of England



Fairer outcomes for all

As not everyone has the same opportunities to be healthy because of where they live, their income, education and employment



Better health & care services

Not just high-quality services but the same quality no matter where you live and who



Giving children and young people the best start in life

Enabling them to thrive, have great futures and improve lives for generations

Our supporting goals...



Reduce the gap in life expectancy for people in the most excluded groups



Reduce alcohol related admissions to hospital by 20%



Halve the difference in the suicide rate in our region compared to England

Reduce drug related

deaths by at least 15%



Reduce smoking rates from 13% of adults in 2020 to 5% or below by 2030



Reduce social isolation, especially for older and vulnerable people



Increase the number of children, young people and adults with a healthy weight



Increase the percentage of cancers diagnosed at the early stages

We will do this by...



Supporting and growing our workforce



Harnessing new technology and making best use of data



Making the best use of our resources



Being England's greenest region by 2030



Listening to and involving our communities







Ambitions ICB/ICS....





Learning, innovation and research Population health

Net Zero

Priority
areas

Finance

Sustainability/

Data and Digital

Provider collaboration

Commissioning

for integrated

care

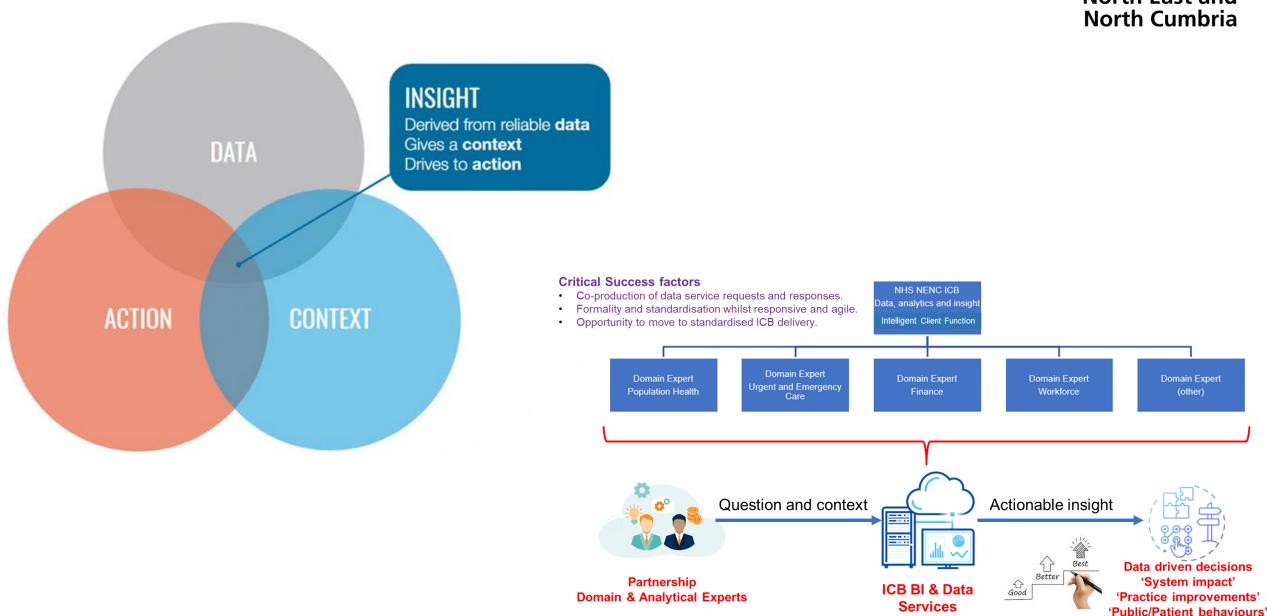
Workforce

Data and digital - ambitions for the future

- The NENC ICS will build on the excellent interoperability and access provided by the existing digital solutions in health and explore how these can be made accessible to all partners in the footprint
- The NENC ICS will underpin all decisions with robust data evidence through developing a greater analytics capacity, leveraging existing capabilities, and ensuring the generated insights flow into the decision making process
- The system will build up its population analysis and behaviour predictive capabilities to better inform the design of health and social initiatives to drive improved outcomes for the population
- The NENC ICS will develop a strong pipeline of digital and analytics capacity through supporting upskilling and recruitment, in collaboration with business, academia and system partners
- The system will raise the digital maturity of all providers and system partners, to ensure interoperability of functions is maximised
- The NENC ICS will become a 'trailblazer' system for digital services, including for enabling digital access to citizens for all services
- By improving the digital adoption in the population and enabling access to digital services, NENC ICS will empower residents to take ownership over their own health

Extracting actionable insights from digital data





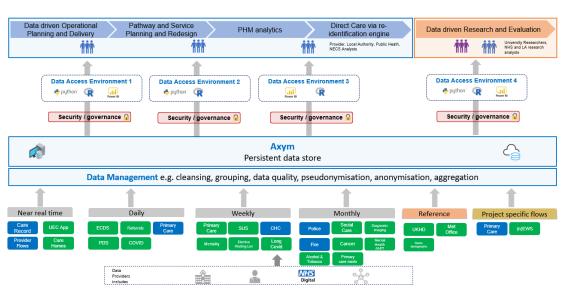
Digital technology infrastructure: key principles



- Technology is an investment not a cost.
- Provider digital maturity is essential and a rate determinant (level up).
- Leverage installed digital and data assets wherever possible.
- An integrated care system is as strong as its weakest links.

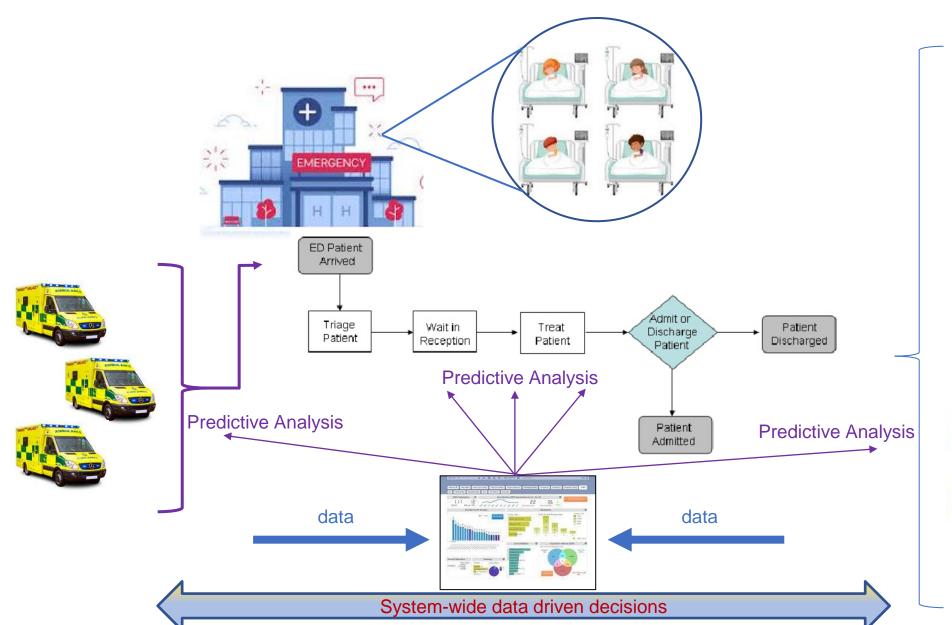
How does this work in practice?

Infrastructure building blocks



System Coordination and oversight









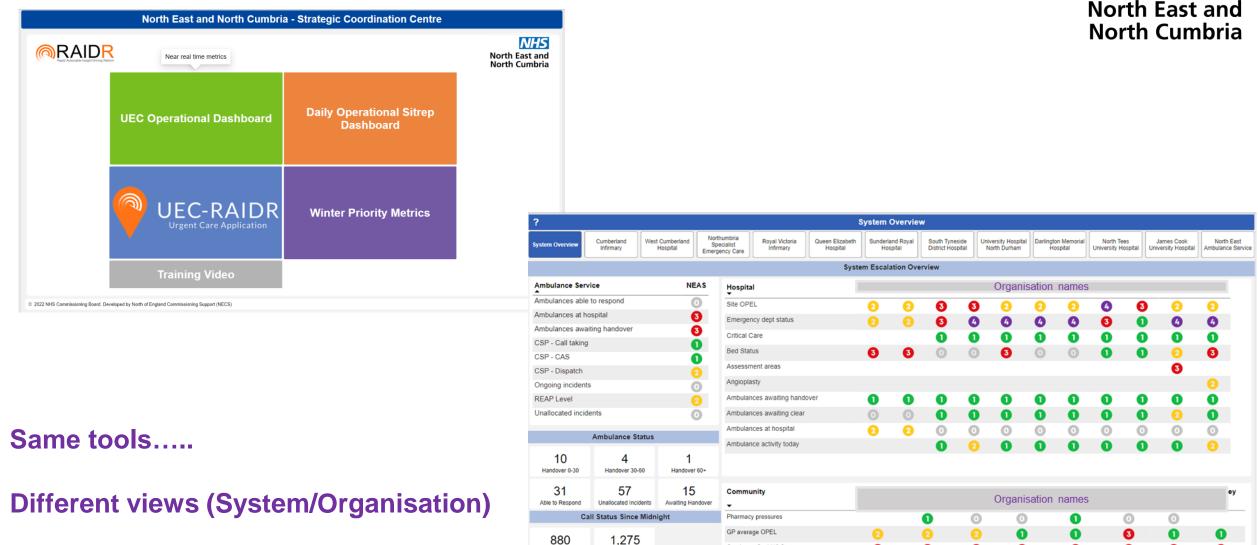






Leverage installed digital and data assets wherever possible.





111 Calls

999 Calls

Single version of the truth

Carehome Covid19 Status

Carehome Bed Capacity - Not inclusive of

8

8

8

8

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Patient and population centred system transformation



North East and **North Cumbria**



GNCR (HIE/PEP)



NHS App

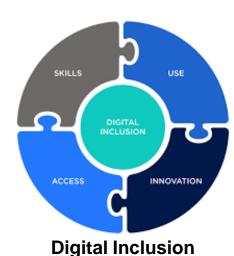


Digital Maternity





Patient and Population Centric





Aging well/Anticipatory care







Digital Diagnostics

Digitise, connect, transform



We will develop our people skills and capabilities

Digital and data services are fast becoming mission critical.

All health and care staff need a basic level of digital, data and analytics skill and capabilities.

Increased digital and data skills will aid increased "user" self-sufficiency.

In the NENC we have;

- established an Informatics Skills Development Network (ISDN),
- created an accredited analytics learning programme (ALP)
- announced the Shuri Network and Fellowship programme



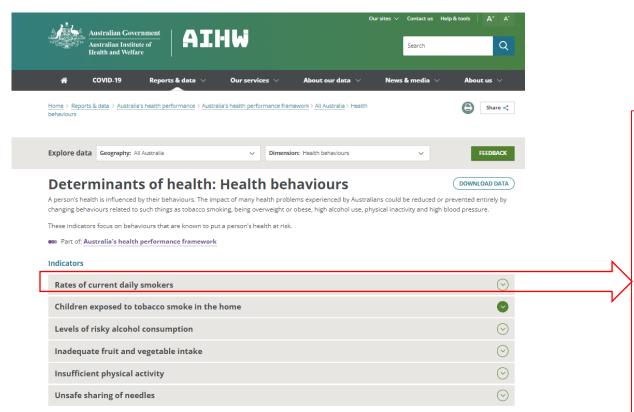


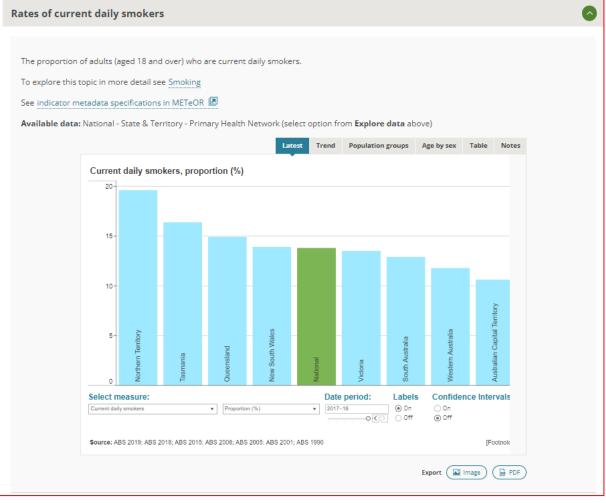




Ambition for the 'near' future – Public transparency











#DataSavesLives