

Data Transformation: Harnessing data to achieve better outcomes, modernise and support critical public services

Meeting the demand for new, innovative data services

Digital Scotland
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Digital & Security : Data

DaS provides trusted, secure digital solutions – working with our customers to realise their ambitions to improve health and social care in Scotland

We are the data hub for the health and social care economy in Scotland.

Through an unrivalled mix of health and social care datasets, professional capability and our leading technology platform (SEER) we support the development of insights with partners, including Public Health Scotland, Health Boards, local and national government.



Information Security & Governance (ISG)



Cloud Engineering & Operations



Clinical Informatics



Data Services



Portfolio Services & Transformation



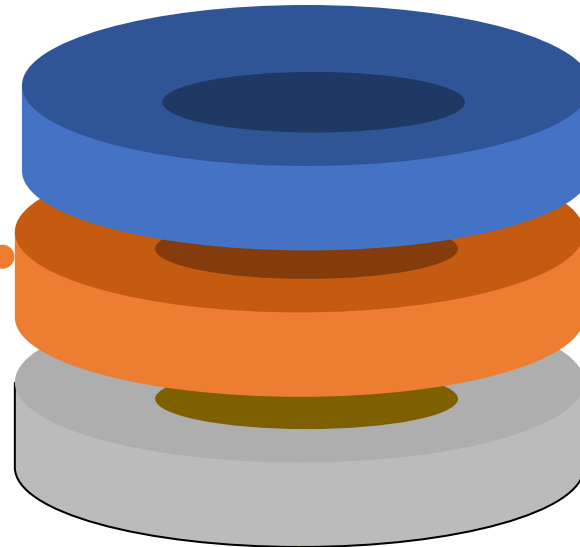
Digital Office

Digital & Security : Data

Data as a national asset

Data

It is at the heart of providing data to over 4,000 users across healthcare providers, government policy teams, academia and healthcare operations.



Capability

60 professionals delivering strategic advice, projects, building out elements such as the CDW, Business Objects and Tableau.

Technology

It provides over 150 data 'products', a collection of datasets, reports and analytical tools around key areas of healthcare, such as Covid vaccinations, blood donations and maternity care.

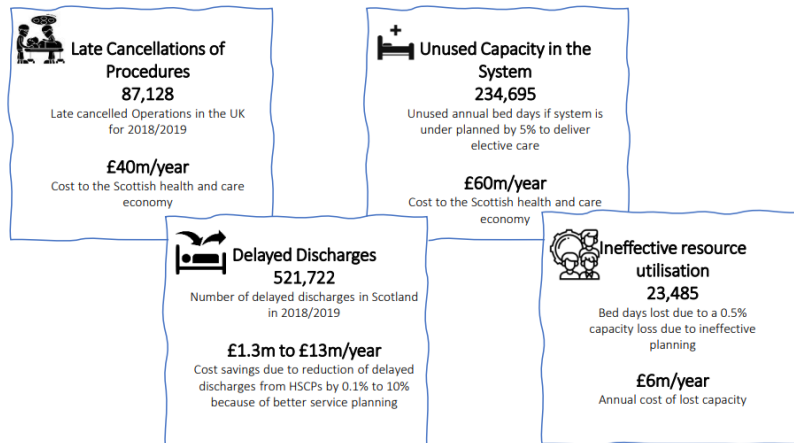
Why is this important?

Our data assets are the foundation in the identification of improvements to service delivery and data and AI powered diagnostics resulting in efficiencies and better health outcomes for Scotland's people.

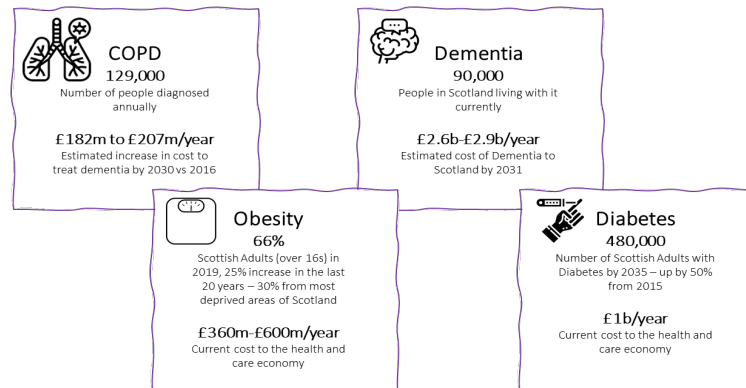
Demand & Capacity Planning, Service Redesign

Using data and AI to predict and forecast demand to plan capacity better, and to identify opportunities for service redesign. Enabling the elimination of unwarranted variation reducing waste and failure demand.

This type of waste currently represents **£174m annually in Scotland** based on cancelled planned operations (for non-clinical reasons) and underused capacity



Population Health and Proactive Care



Using data and AI to predict/ forecast short, medium and long term trends of key diseases in terms of impact, prevalence and prevention.

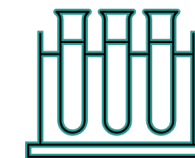
Developing risk stratification approaches using AI to target and focus early intervention and prevention strategies.

Use data, AI and apps to support the targeting of behavioural science to drive better lifestyle choices in the population.

Innovation and Cross Collaboration

Creating a coordinated trusted innovation environment solution that can be used for wider health and wellbeing benefit such as:

- Using anonymised health and social care data to collaborate for epidemiological and academic research to understand disease progression and prevalence
- Ability to provide anonymised control group samples to support clinical trials and effectiveness



MOVING TO PUBLIC CLOUD

Migrating SEER to an AWS and Snowflake stack

Security

Security of the data you are working with is protected by AWS cloud infrastructure

Enhanced Innovation

Becoming future ready with latest technologies allowing faster product creation

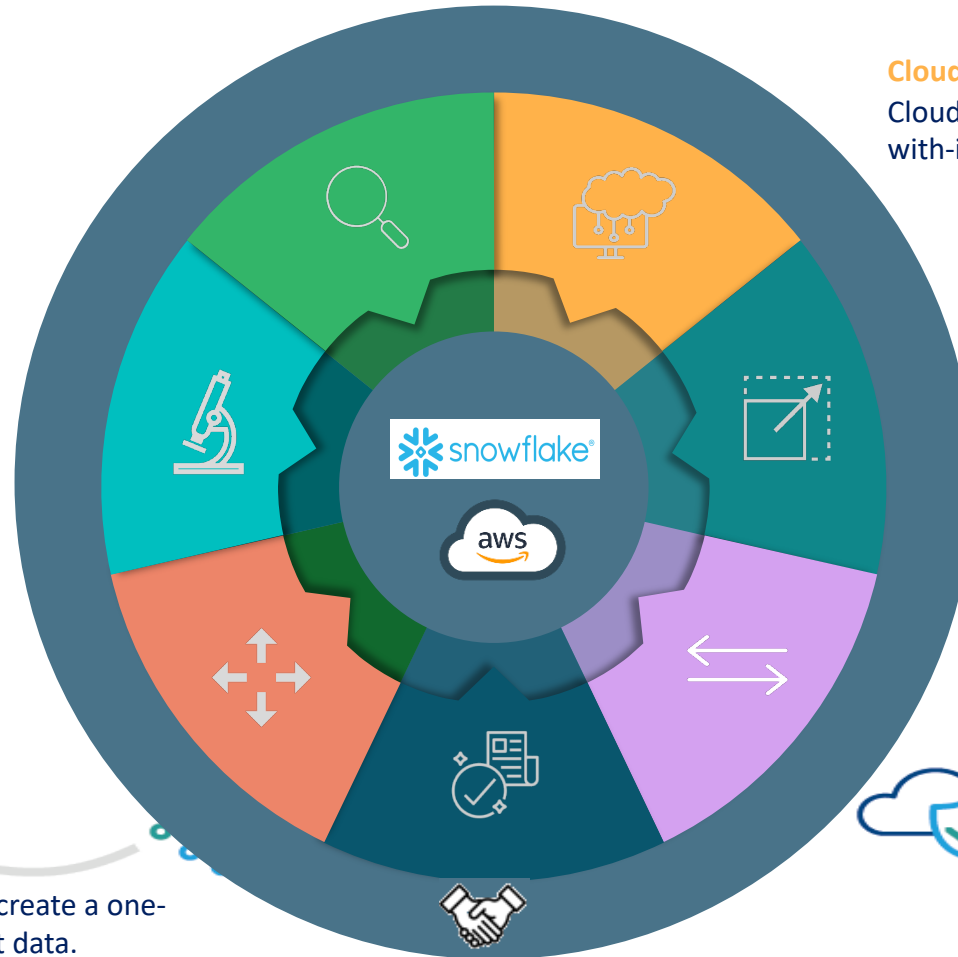
Increased Agility

Provide users with instant access to data with rapid provisioning of tools.

Single Source of Truth

Bringing different data sources together to create a one-stop shop to consolidate and present data.

Digital and Security
powered by NSS



Cloud First Approach

Cloud first approach with provisioning of services with-in the boundaries of the

Dynamic Scalability

Building a platform that can be scaled up and down with users based on their needs.

Increased Reliability

Improving availability and performance of the platform.

Data Trust

Discovering, describing and assuring data assets across our data ecosystem.



DATA ASSETS POWER INNOVATION

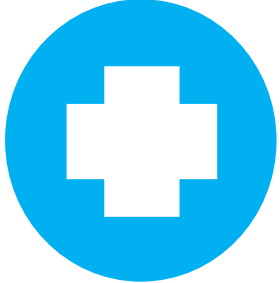
To save time, money & lives



Automation & Administration



Knowledge & Intelligence



Diagnostics & Treatment



THANK YOU

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