NHS Digital Data Processing Services

Transforming the way we work with data to improve health and care

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Information and technology
for better health and care

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Product Manager

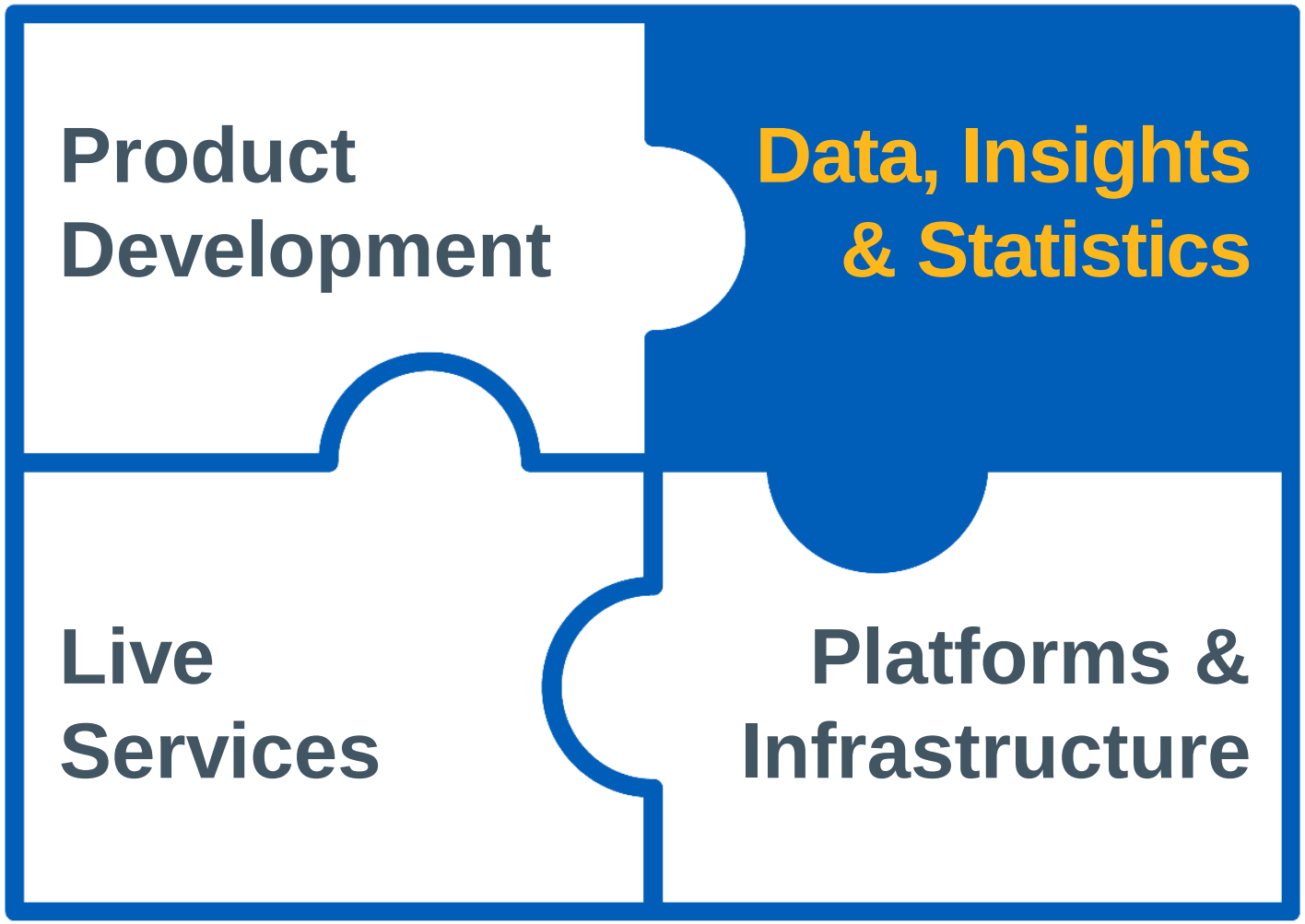
Our mission

To harness the power of information and technology to make health and care better

Our role

The national information and technology partner to the health and care system

How we work…

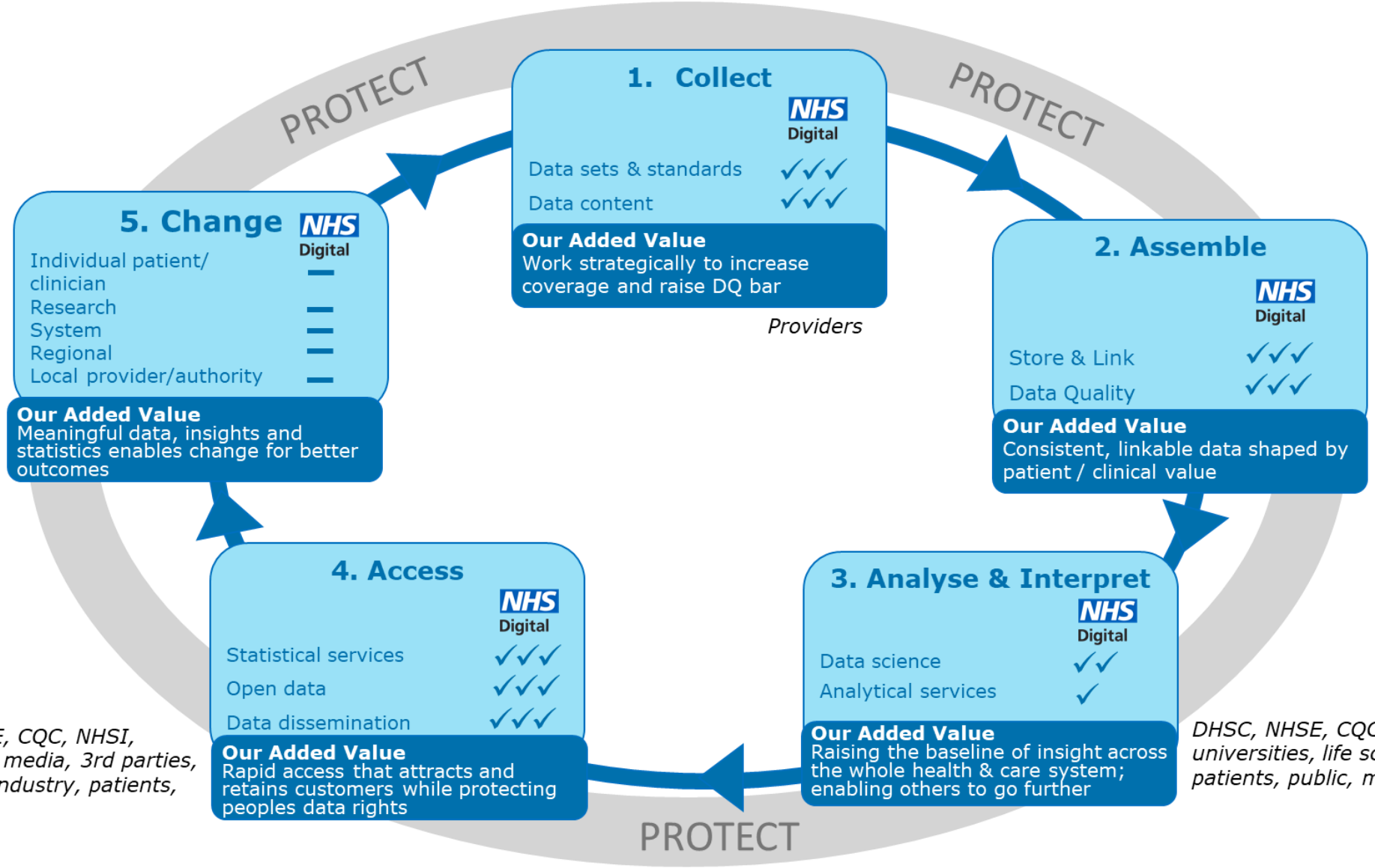


Our vision is to improve the nation's health and well-being, while contributing to GDP, through innovative uses of data

- Leading the market
- Driving demand
- Innovating together
- Commanding trust
- Providing recognised expertise

https://digital.nhs.uk/dis

Adding value across a “learning health system”…



DHSC, NHSE, CQC, NHSI, universities, media, 3rd parties, life science industry, patients, public etc.

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The Data Processing Service is now live

Secure, internet-facing data collection portal: to collect data from providers and provide data quality feedback

Modern, cloud-based data processing platform: to standardise the processing of data collected by NHS Digital

Strategic master person service: to improve the quality of person matching and facilitate improved data linkage

Strategic de-identification/re-identification solution: to provide consistent de-identification and controlled linkage and re-identification of data, for use in the DPS and across the NHS

Modern, cloud-based data access environment: to provide secure, remote access to data held by NHS Digital

Providing our customers with…

Faster access to data that is…


Secure


Better-linked


High quality


More timely


Transparent

whilst benefitting from…

- ✓ DARS integration – simplifying governance
- ✓ Interrogation and analysis tools – more functionality
- ✓ ‘Bring Your Own Data’ capability – greater utility

A modern data platform…

Delivering modern data processing services to significantly enhance our ability to increase the security, reduce the cost and increase the efficiency of our data services; and, ultimately, to deliver faster and higher quality information and insights to customers to improve health and care

HEALTH AND CARE PROVIDERS

NHS Digital Data, Insights & Statistics

Data Acquisition

Data Optimisation

Insights & Statistics

Data Access

DPS

Collect → **Process** → **Utilise**

DPS portal

Data processing, master person and de-id/re-id services

Data access environment

- Media
- Researchers
- Charities
- Providers
- Public
- Commissioners
- DH
- Politicians
- Regulators
- ALBs

How you access the data - Data Access Environment

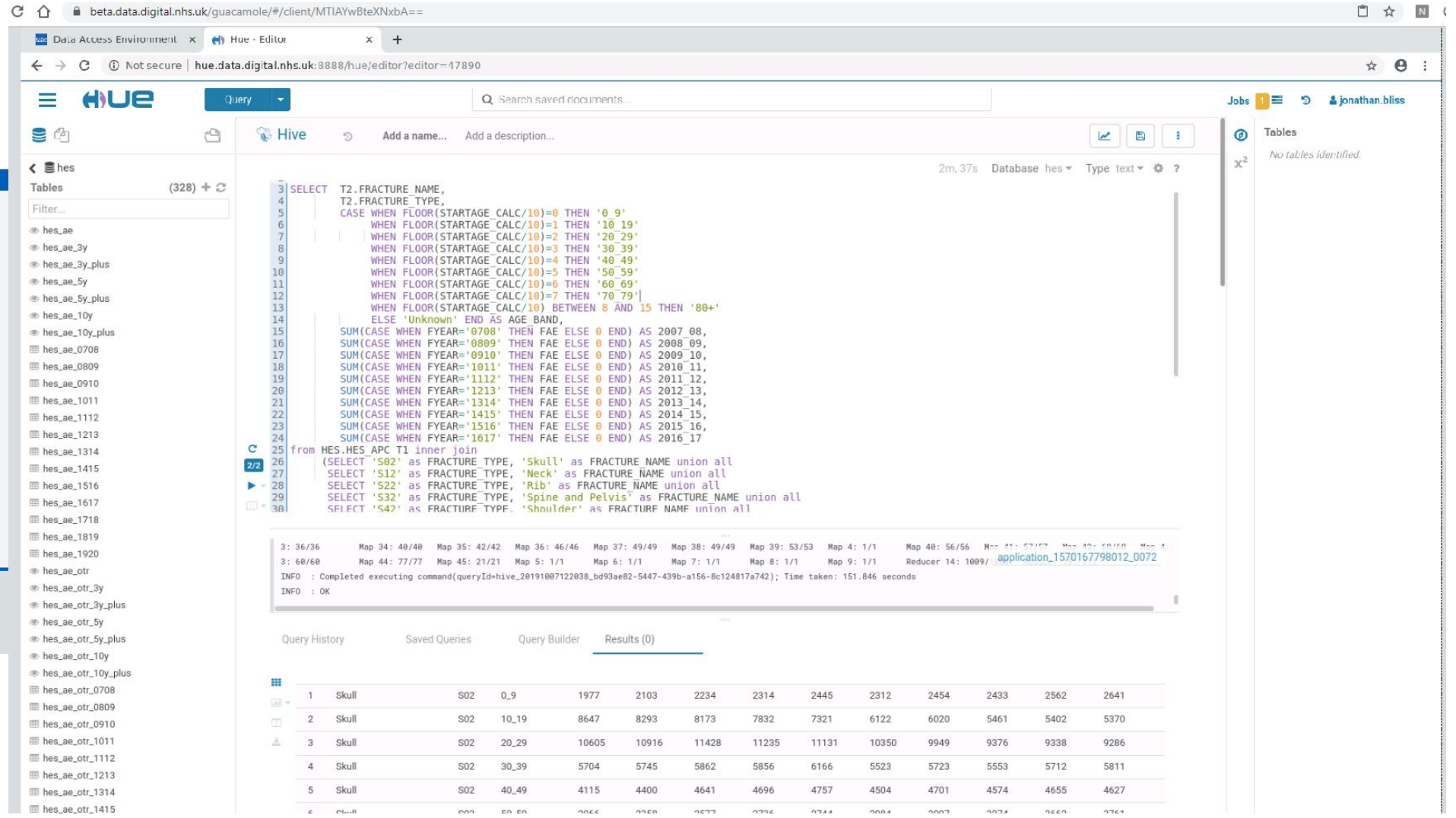
NHS Digital

Log in

Username

Password

Next



Data Access Tools

Currently

Later this year

Protecting people's data…

Where we are now

- Historic HES Data ✓
- Mental Health ✓
- Maternity ✓
- Primary Care Medicines
- Secondary Care Medicines
- IAPT
- Community
- PROMS
- DIDS

- 111 Pathways
- SUS+ Hospital CDS & AHAS (HES)
- Emergency Care Dataset
- GP Appointments
- ONS Births & Deaths
- PLICS – Acute, Amb, IAPT, MH
- Aggregate datasets
- More…
- Other sources of data…

Our data supports…

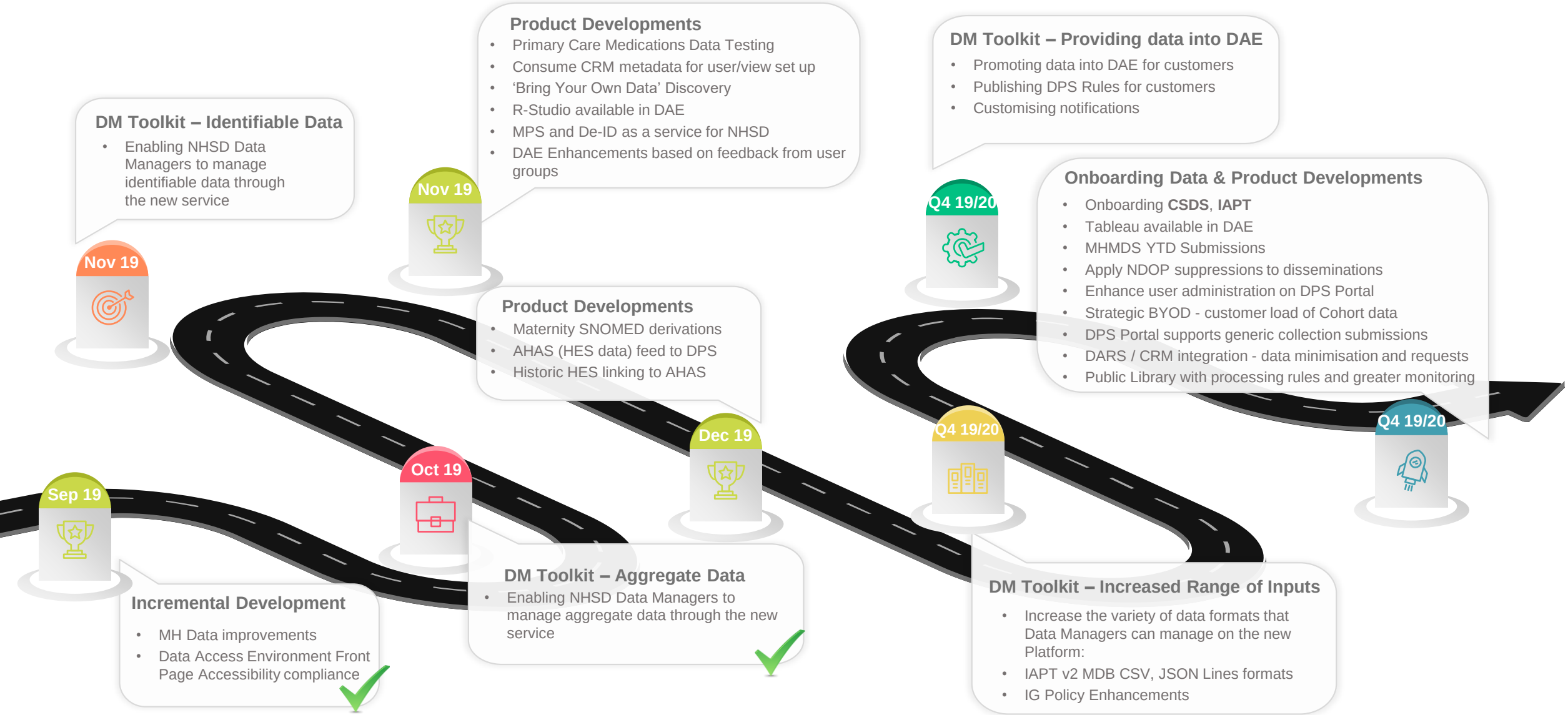
University of Oxford, Million Women Study
The largest study of its kind in the world carrying out research on the cohort for over 20 years
Main focus is on the effects of hormone replacement therapy, but the large cohort enables the study of a very broad range of health issues
Study findings have influenced national policy, including recommendations on the prescribing and use of hormone replacement therapy

Imperial College London, Small Area Health Statistics Unit
Internationally recognised research into environmental health
Assesses the risk to the health of the population from environmental factors at a small area scale
Work includes substantive epidemiological enquiries of environmental health problems and methodological research
Studies have produced over 200 peer reviewed publications

University of Bristol, Children of the 90s/Avon Longitudinal study of parents and children
World leading birth cohort study, charting the health of 14,500 families in the Bristol area
Provides a uniquely rich resource for studying environmental and genetic factors that affect a person's health and development.
Over 1,500 academic papers published

Blue Alberta Skies

DPS Technical Product Roadmap – October to March 2020




WHAT'S NEXT?

NHS Digital

Connect with us

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www.digital.nhs.uk

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