

How Can We Effectively, Ethically and Strategically use Data to Save Lives



Our NHS Story



Data Transformation



- ❖ Data Integration and Analytics Platform – national and regional
- ❖ Supply Chain Management for PPE
- ❖ National Covid Vaccine Management Platform



Improving Wait Lists



Delivering on three key principles

- Improving data quality.
- Effective prioritization.
- Applying intelligence to data.

Making an impact to the frontline

- 30% improvement on surgical backlog.
- ~ 2 dozen systems integrated, creating a one screen view.
- Working with 38 + NHS Trusts across the country.

Feedback from users



Our consultants and support teams are using the solution to manage their waiting lists and help us improve our theatre throughput. It's saving time and assuring that they are seeing their patients quickly and in the right order.

Director of Digital Operations, Chelsea and Westminster

It's fairer for the patients, I feel more reassured I'm operating on them within the right waiting time and I'm seeing them fairly

Paediatric Consultant, C&W NHS Trust

Previously, I was working on the Excel sheet on the shared drive, when the server crashed that was hours of work cleared. Here I'm confident the information won't be lost

Colorectal Surgeon, London NW University Healthcare NHS Trust

Thank You!

Questions?

www.palantir.com/uk/healthcare

www.palantir.com

Get in touch

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Onboarded NHS Hospital Trusts

June 2021

At Chelsea and Westminster Hospital Trust, Foundry has become the single source of truth for decisions made across the organization.

Schedulers, clinicians, and management all have the same version of up-to-date data, for such as waitlists.

Building additional application on top of the cleaned, powerful data asset that will let you directly improve care for patients and reduce workload for staff.

- Chelsea and Westminster NHS Foundation Trust,
- Countess of Chester Hospital NHS Foundation Trust,
- East Sussex NHS Hospital Trust,
- Milton Keynes University NHS Trust,
- London North West University Healthcare NHS Trust,
- East Hampshire NHS Foundation Trust
- University Hospitals Plymouth NHS Trust
- Bolton NHS Foundation Trust
- University Hospital of Leicester NHS Trust
- Newcastle upon Tyne Hospitals NHS Foundation Trust
- ...plus 7 others currently
- ...and 21 additional live connections targeted by year's end

- Gives clinicians and their colleagues a single validated elective waiting list.
- Review patient encounters, assign them a clinical priority (or remove them from the list if they no longer need surgery), and request a theatre booking.
- Alerts tool uses logic to flag potential issues with the waiting list data for DQ teams and clinicians to resolve.

- Brings together the cleaned waiting list and data from OR scheduling, rostering, annual leave, pre-operative assessment and any other sources needed to streamline the scheduling process.
- Shows clinicians their schedules, with unbooked sessions highlighted, and suggests potential patients or procedures that could be scheduled within free slots.
- Check the patient's POA status and see staffing information, enabling them to book OR with confidence.
- Module interoperates with third-party patient communication tools, so that appointments can be offered and accepted or changed quickly.

- Track in near-real-time the progress on tackling waiting lists and optimizing OR utilization - for example, by seeing how long the waiting list is, or how many cases have been reprioritized and closed.
- Information captured in this dashboard is summarized against KPIs and can be broken down by site, specialty or other.

Palantir Technologies UK – Data Governance, Data Protection, Data Security



Foundry for Data Governance – Understand and control how data is used. Protect patient privacy.

INTEGRATE DATA WITH BEST-IN-CLASS TOOLING TO ENSURE EFFECTIVE DATA GOVERNANCE

- Privacy-by-design software
- Platform-wide oversight and understanding
- A range of powerful tools to apply to different groupings of work or data
- Have confidence in your end-to-end data governance regime

Foundry provides a first-class solution for data governance users to understand exactly what is happening throughout the platform and to implement powerful data protection measures to carefully limit data access to that which is necessary, proportional, and compliant.

- Collaborate safely on work with sensitive data via **secure, compartmentalised containers** – each configured to meet the data governance requirements of the specific work it houses
- Establish **granular access controls** to grant access to a group of work, a dataset or a sub-dataset selection of data
- Implement a range of **data minimisation measures**, including aggregation, generalisation, obfuscation, and small number suppression through no-code, point-and-click, or open-source code-based data transformation tools
- Track data as it is approved for certain uses, and understand exactly where data has come from as it moves through the platform (**'data lineage'**)
- Configure **permissions on sensitive actions** like joining or exporting data
- Generate **rich and contextualized audit logs** for enhanced oversight

Learn more →

[Data Protection in Palantir Foundry](#)

[Anonymisation in Palantir Foundry](#)

Data Governance Solution for Life Sciences – Purpose-Based Access Controls

INTEGRATE DATA WITH BEST-IN-CLASS TOOLING TO ENSURE EFFECTIVE DATA GOVERNANCE

- Introduce structure and clarity to data access decisions
- Capture missing context and make it available to the people who need it
- Build intuitive tooling for non-technical data governance teams to enforce rules

A powerful configuration of Foundry's data governance fundamentals for healthcare & life sciences is the Purpose-Based Access Control (PBAC) model.

PBAC provides an intuitive structure to the process of data governance, recording data governance imperatives such as 'purpose for processing' and 'justification for requesting access' as first-class objects within Foundry - easily tracked, understood, and controlled.

Instead of applying for access to an individual data set, a user applies for access to a Purpose. The Purpose is set by data governance teams to contain data specifically scoped to help the user meet their goal — no more, no less. Every user must apply to a Purpose, and they only have access to the data that's been assigned to that Purpose.

Likewise, data owners must record a rationale when they approve the use of a data set for a Purpose. Recording these justifications prompts both sides to continually consider the necessity and proportionality of their decisions.

The result is a best-in-class interrogatable resource of data assets, processing purposes, and user access. An auditor can immediately understand not just *who* has access to *what* data, but also *why* they were given access – with all the context that went into that decision.

Watch the demo →

[Purpose-based access controls](#)

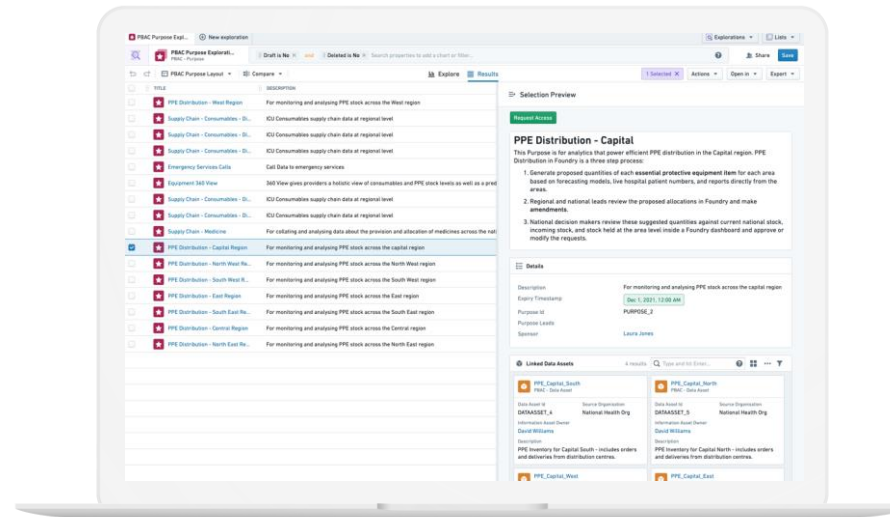
Data Governance Case Study – Purpose-Based Access Controls (PBAC) at NHS England

THE CHALLENGE

Responding to the pandemic required navigating an acute data governance challenge. Personal data had to be brought together from many different sources at great speed, and parts of this data had to be made available only to the users and institutions who had a legitimate mandate to access it.

THE SOLUTION

The NHS deployed PBAC to provide structure and clarity to this complex data governance situation, and to ensure that access was carefully calibrated and fully auditable. PBAC allowed a small team of data governance decision makers, who met daily in a 'Triage Panel', to safely administrate 16k+ access requests over 134 active datasets.



IMPACT

→ 134 ACTIVE PURPOSES

→ 278 ACTIVE DATA ASSETS

→ 16k+ PURPOSE REQUESTS

Data Security – [Accreditations](#)

Foundry is a [secure Software-as-a Service platform](#) trusted by UK organisations across Health, Government, and Industry to protect their information.

[Foundry protects its customers data sovereignty](#). Data is processed in the UK and each Foundry Enrolment is isolated with a dedicated unique encryption key.

- Palantir holds a current DSP Toolkit at [Standards Exceeded](#) and is aligned with ISO 27001.
- Palantir Technologies UK, Ltd is certified by Cyber Essentials Plus.
- Foundry complies with the National Cyber Security Centre's [Cloud Security Principles](#) and a full compliance report is available on request.
- Our cloud hosting platform's infrastructure and operations are certified compliant with the following industry best practice standards and frameworks:
 - SSAE18 SOC 2 Type II
 - ISAE 3000 SOC 2 Type II
 - FedRAMP (Moderate IL-5)



Data Security and Protection Toolkit

About Palantir

Palantir software powers data integration and analysis to strengthen decision-making

OUR HISTORY

Founded in 2003, currently 3000+ people in 25+ offices across globe.



In Canada, partnering with government and commercial clients, since 2012.

CLIENTS (Public Sector Sample)

Some of the **world's most significant organizations use Palantir** to transform the quality and speed of decision-making.

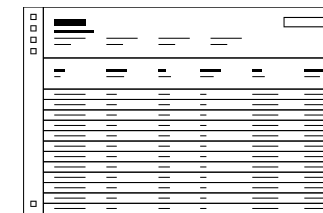


National Institutes of Health

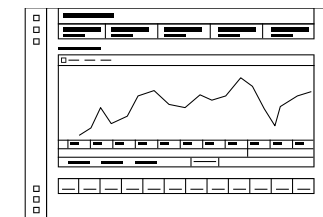
ncats.nih.gov/n3c



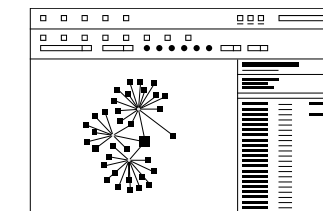
FOUNDRY PLATFORM



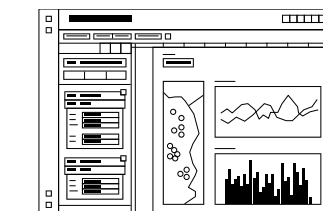
Data Integration Management & Security



Analytics Modeling & Exploration



Operational Decisioning Tools

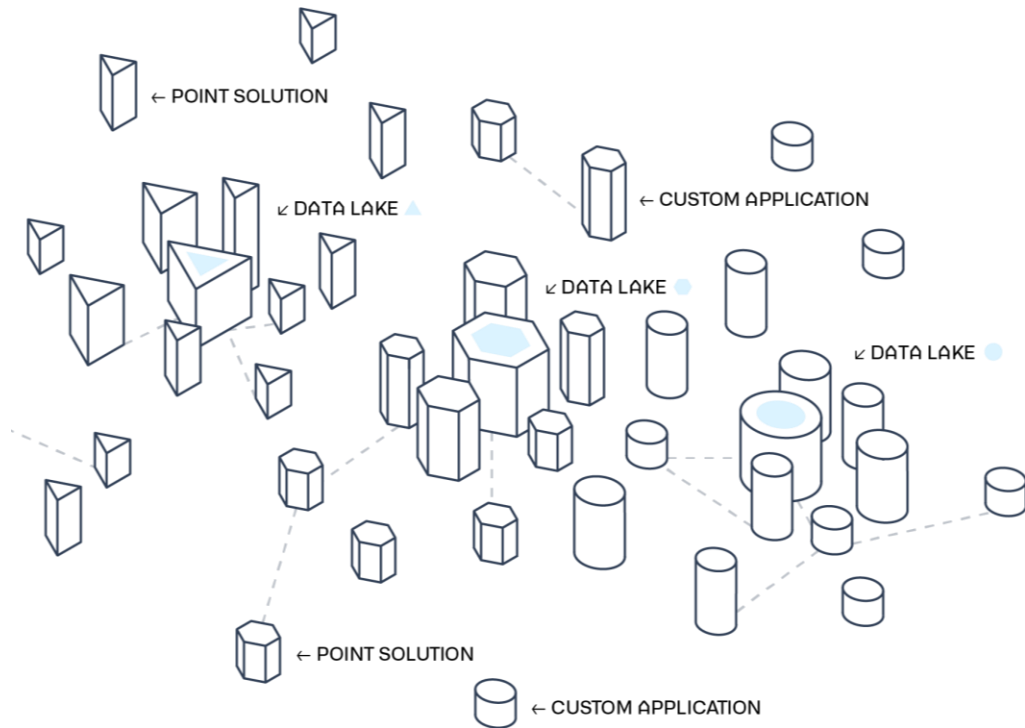


Nuanced Access Controls

What problems does Palantir help solve?

Commonalities

- Significant amounts of data
- Siloed data coming from multiple sources and systems in multiple formats
- Real time decision making needed
- Access and collaboration across multiple levels and roles (Front line operators to analysts to executives)
- Robust privacy, audit, and access controls.
- Urgent project timelines



Palantir software powers data integration and analysis to strengthen decision-making

Integrate

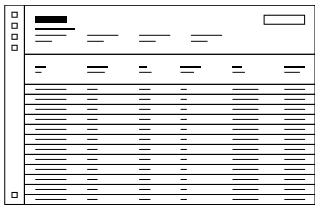
Combine data from across the organization and provide centralized access. Connected view.

Unify

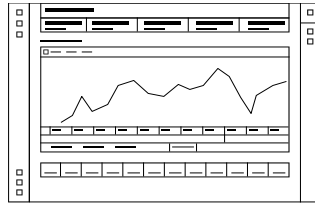
Make data useful by transforming, categorizing, and delivering it for easy search and discovery

Understand (and Improve)

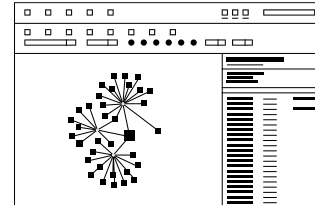
Explore, analyze, and operationalize data with powerful, natively interoperable apps



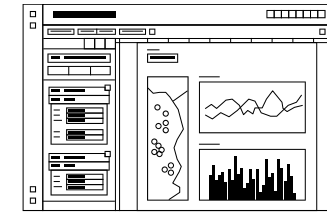
Data Integration,
Management &
Security



Analytics, Modeling
& Exploration



Operational Decisioning
Applications

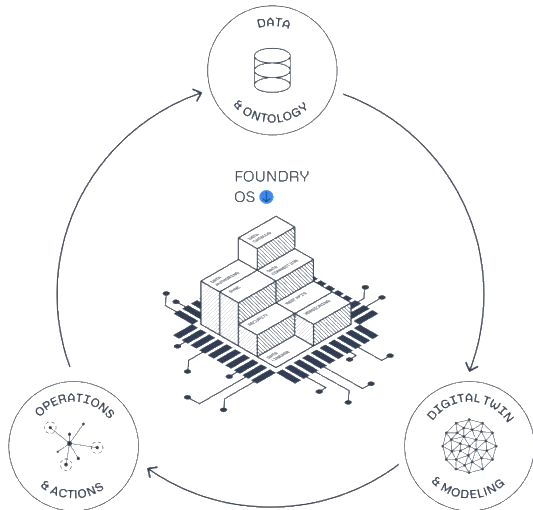


Nuanced Access
Controls for Enhanced
Collaboration

Palantir Platform

Overview

Palantir is an open, interoperable, and highly extensible platform designed to transform organizations into data-driven institutions.



Solutions

- **Deliver immediate impact.** We achieve outcomes with our partners in weeks instead of years.
- **Create a common understanding across the organization.** Turn a complex data landscape into a common language, or ontology, that everyone can trust.
- **Make operations analytical and analytics operational.** Palantir provides collaborative tooling for all skill levels in an integrated environment.
- **Embed security as a non-negotiable.** Palantir's security model propagates security policies comprehensively throughout the data asset.
- **Enhance the value of existing investments.** Palantir interoperates with in-house and third-party solutions through open data formats and APIs, compounding value and securing past investments.

