

digitalhealth

**REWIRED**  
BIRMINGHAM 12-13 MARCH 2024

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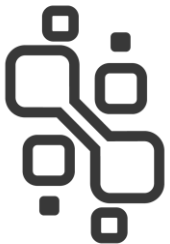
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Transforming Care

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# Kal Turnbull

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Senior Product Manager,  
National Digital Platform,  
NHS Education for Scotland



AI,  
DATA AND  
ANALYTICS  
STAGE

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# National Digital Platform

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Kal Turnbull

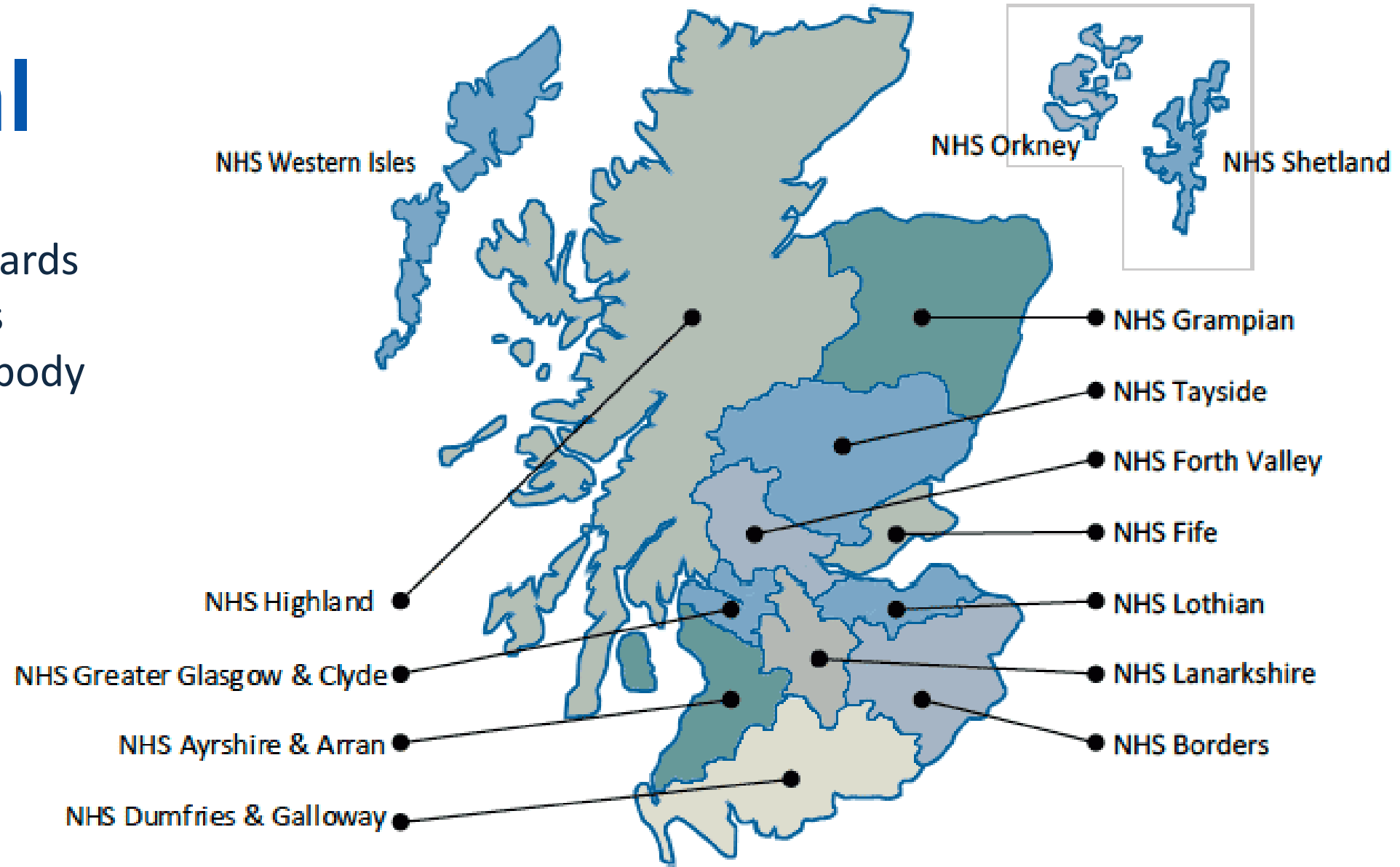
Senior Product Manager

**“Those are big words”**

# National

# National

- 14 territorial boards
- 7 special boards
- 1 public health body



# National

- Alignment of national and territorial eHealth strategies

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- Potential for vibrant competitive market

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- Alignment of national and territorial eHealth strategies
- Potential for vibrant competitive market
- National doesn't have to mean monolithic



# What next for General Practice IT?



Paul Miller · [Follow](#)

7 min read · 5 hours ago



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## A bit of history

From the 1990s until around 2008, the NHS in Scotland provided general practices with an NHS-developed and maintained clinical information system known as “GPASS” – the “General Practice Administrative System for Scotland.”



# Digital

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- Digitalisation is an ongoing process


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- Case study: Medical Device Data Hub (MDDH)

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- Digitalisation is an ongoing process
- Case study: Medical Device Data Hub (MDDH)
  - Component of Scan for Safety programme (<https://scanforsafety.nhs.scot>)
  - Tracking and tracing of implantable medical devices
  - Moving from stickers on paper logbooks to NDP storage

# Platform

 We agree the best way forward for data sharing is through a single platform, or spine, for data that other systems connect into.

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**Scottish Parliament Health and Sport Committee report  
on technology and innovation in health and social care,  
from the 2018 Digital health and care strategy**



This is not a single product but a collaborative and integrated approach to delivering cloud-based digital components and capabilities

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**2021 Digital health and care strategy**



# Platform

## Platform Interfaces

Store data in an open format

NDP Structured Data Service

NDP Unstructured Data Service

Move data between different places

NDP Integration Service

Read data from multiple sources

NDP Demographics Service

NDP Core Data Service

## Platform Capabilities

Right data, right people, right time

NDP Identity Service

NDP Access Management Service

NDP Audit Service

## Platform Infrastructure

Enable development of more services

NDP Developer Platform

NDP Cloud Platform

# Case study: Medical Device Data Hub (MDDH)



# Scope: devices

<b>Class IIb</b>	generally regarded as medium risk	Lung ventilators, bone fixation plates
<b>Class III</b>	Generally regarded as high risk	Pacemakers, heart valves, implanted cerebral stimulators

<https://scanforsafety.nhs.scot/aboutus/classification-of-medical-devices/>

Date & time

15:10  
5 Aug  
2022



Place

GLN

Product

GTIN

GSRN

Practitioners

GSRN

Patient

Procedure

GIAI

**NHS**  
SCOTLAND

**Scan  
for Safety**

Equipment



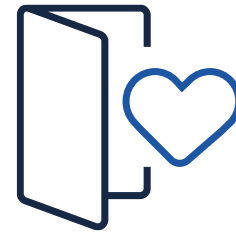
# Benefits to the public



Device traceability  
and efficient patient  
recall.

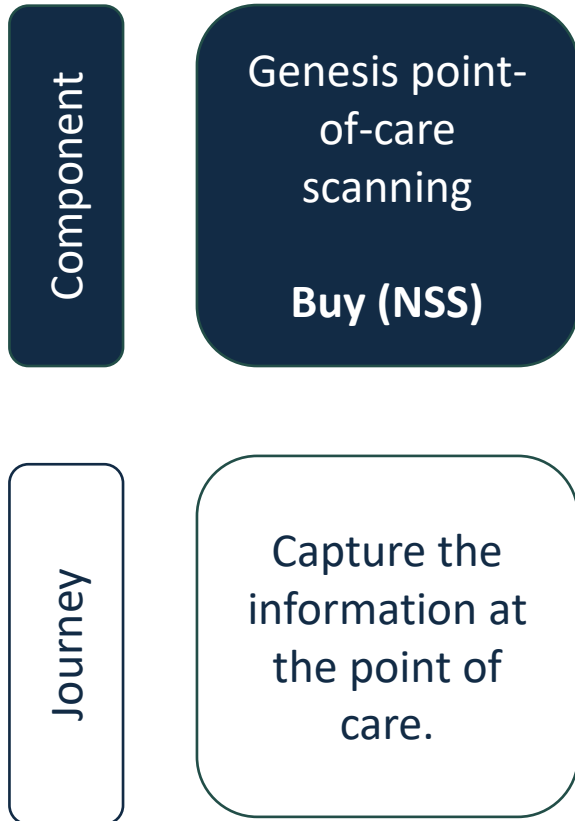


Monitoring of device  
performance.

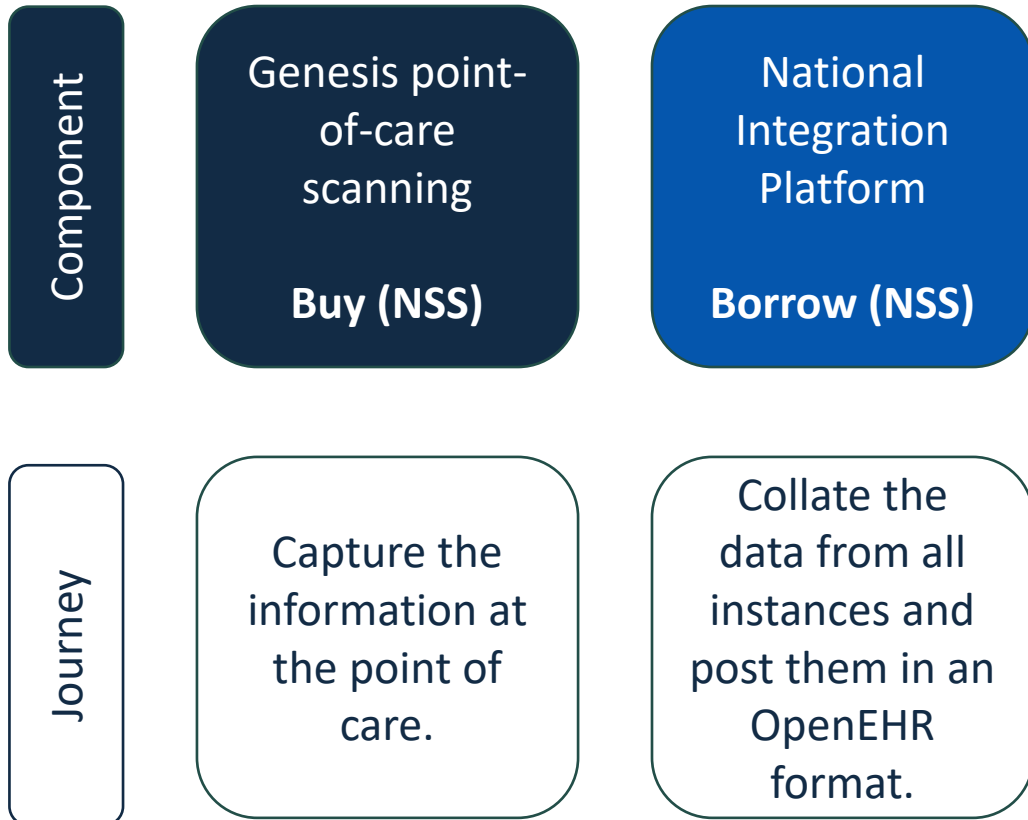


Improved clinical  
outcomes.

# MDDH solution overview

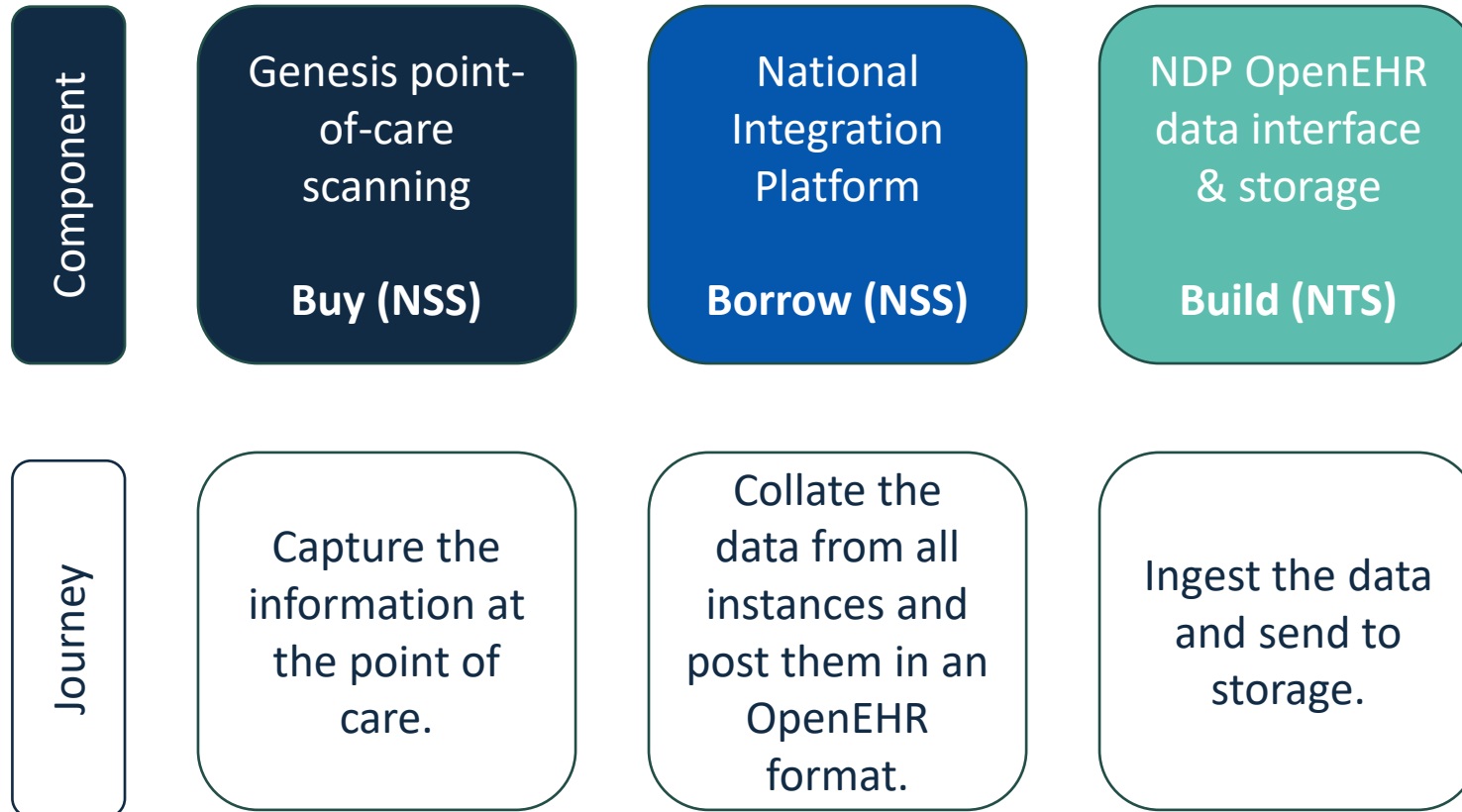


# MDDH solution overview

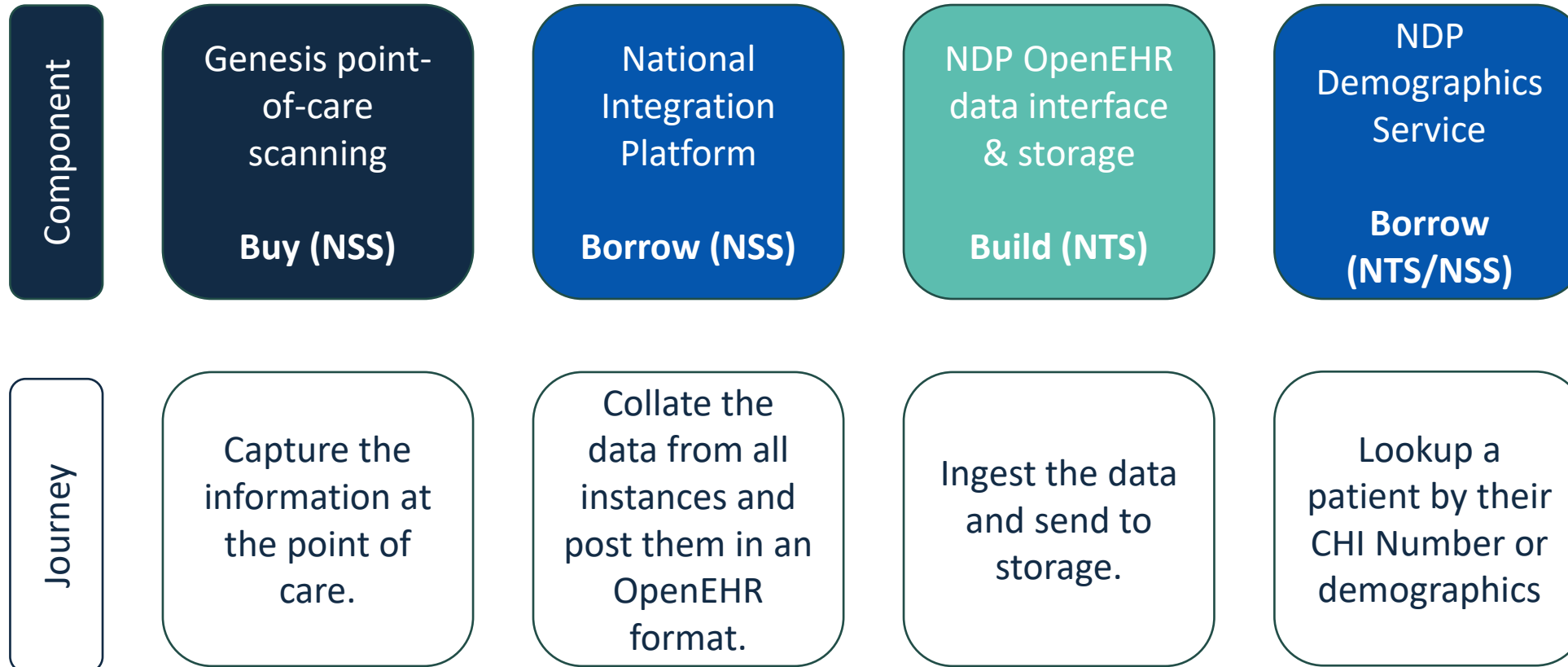




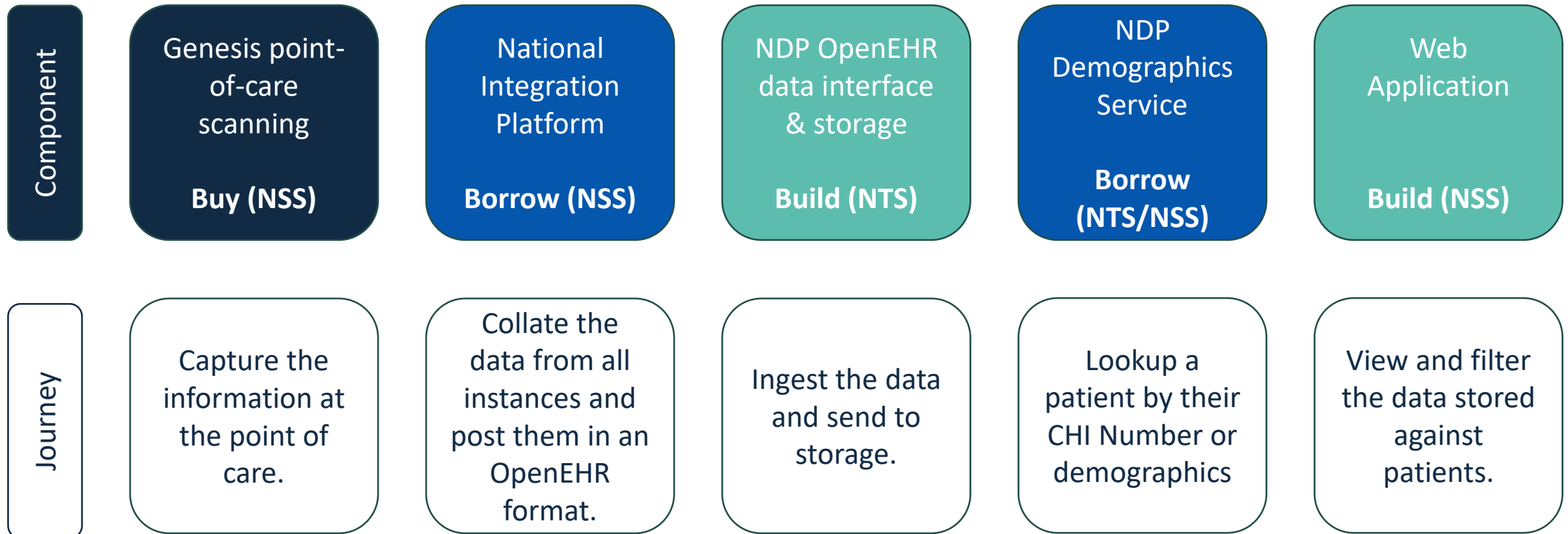
# MDDH solution overview

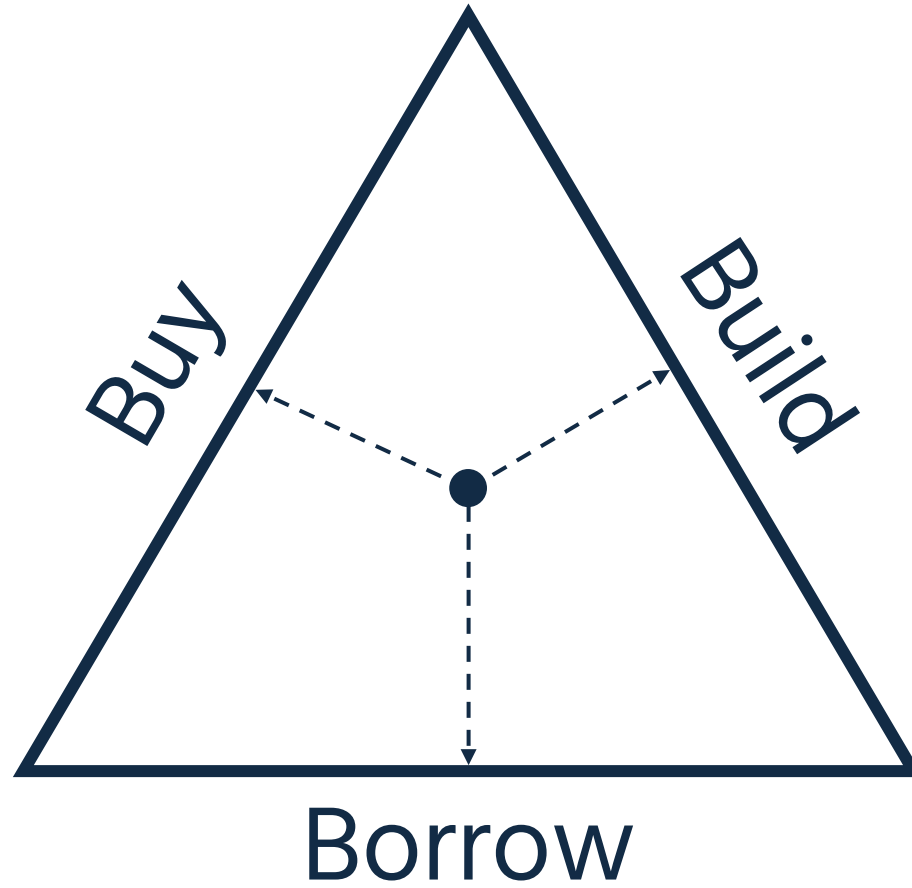


# MDDH solution overview



# MDDH solution overview





Credit: Jonathan Waldheim-Ross

# NDP Strategy





By looking sideways across all programmes and identifying common needs the NDP will grow in capability while also offering **tangible value and cost savings.**

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NES Technology Service, National Digital Platform Delivery Plan



**National Digital Platform**

**Our website: [nationaldigitalplatform.scot](https://nationaldigitalplatform.scot)**

**My email: [kal.turnbull@nhs.scot](mailto:kal.turnbull@nhs.scot)**

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