

# Digital Smart City as a Platform



**How we work**  
Simplify, standardise, share

# Context - health and social care

We work as a whole system to:

- Prevent people from going into hospital
- Get them out of hospital quickly and safely home
- Help people to stay at home

CITY FIRST > Simplify Standardise and Share



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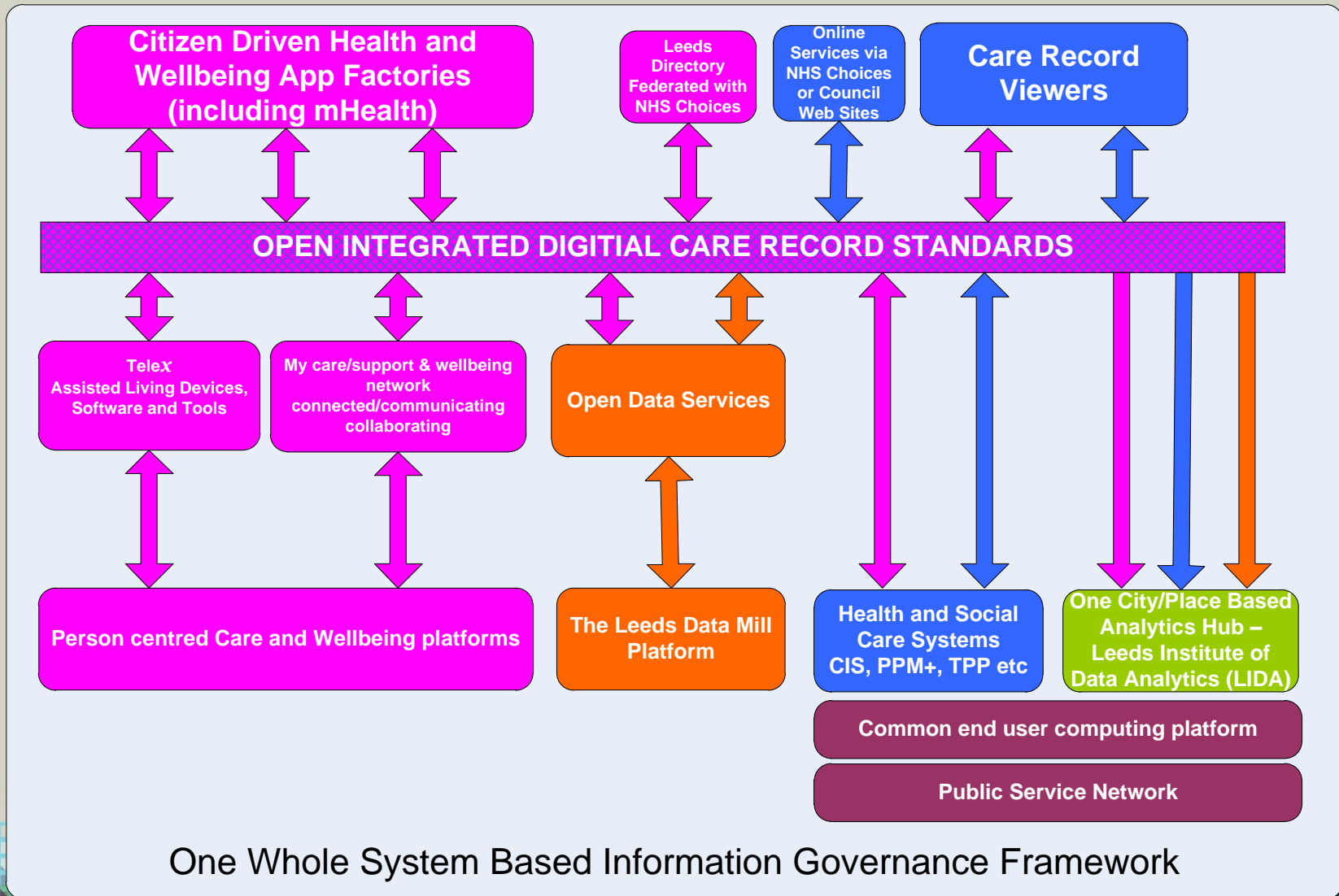
# How do we apply digital to supporting these objectives?

‘Digital smart city as a platform’



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# What does that look like?



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# Engaging Citizens to self manage

**Citizen Driven Health and Wellbeing App Factories  
(including mHealth)**

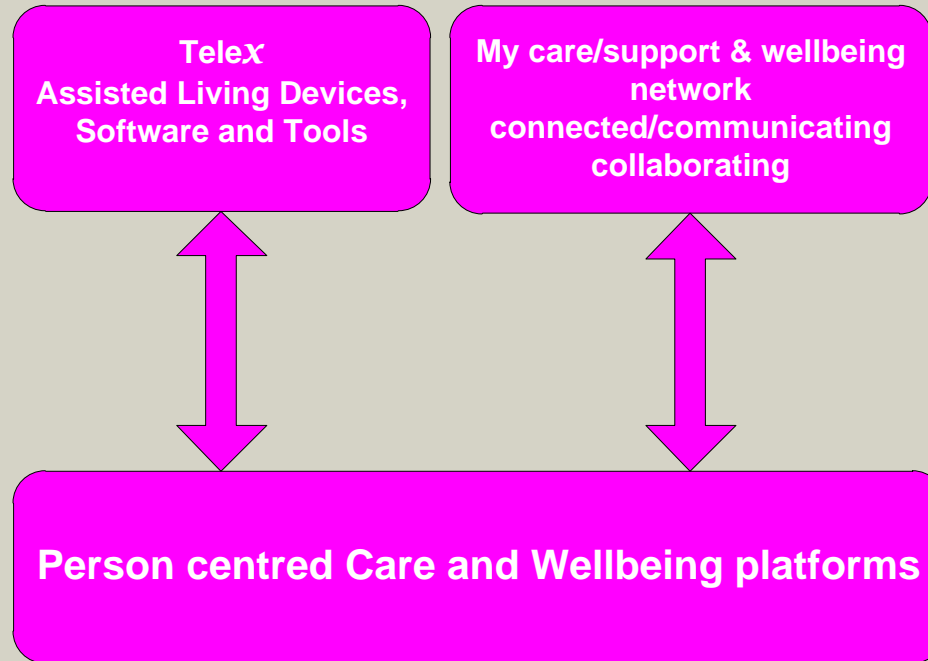
**Leeds  
Directory  
Federated with  
NHS Choices**

**Online  
Services via  
NHS Choices  
or Council  
Web Sites**



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# Citizen Driven Health



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# Social Isolation Context

Leeds Population  
**798,800**

65-74 years  
**97,400**

75+ years  
**55,200**

**20%**  
Sometimes lonely

**10%**  
Intensely lonely

Potentially  
**15,000+**  
Intensely lonely in Leeds\*

- Greater risk of health issues, from mood disorders like depression to stress-related chronic conditions like heart disease
- Research also shows increased mortality  
<http://healthland.time.com/2013/03/26/social-isolation-not-just-feeling-lonely-may-shorten-lives/>



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# Tele X - Aims and Outcomes



Exploring the use of technology

Inform procurement



Transforming health and care

Using digital capabilities



Helping the Leeds Pound (£) go further

Productivity and Efficiency



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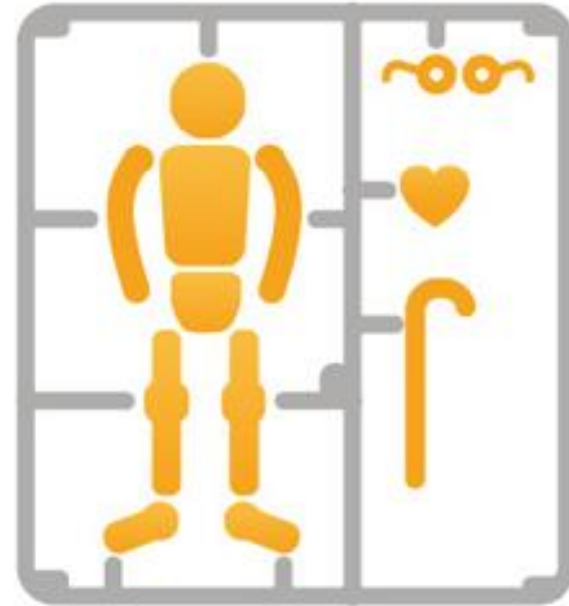


# Shared Well Leeds Project

Bob often feels that he's seen by public services as a collection of bits and illnesses



Bob as seen by his friends and family



Bob as seen by the healthcare system



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# Pilot Outcome Aims

- ❑ Reduced social isolation and loneliness
- ❑ Greater level of Empowerment, Control and Self-Care
- ❑ Reduction of unplanned Contact with Medical and Social Care Professionals

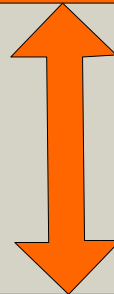


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# Open Data

1

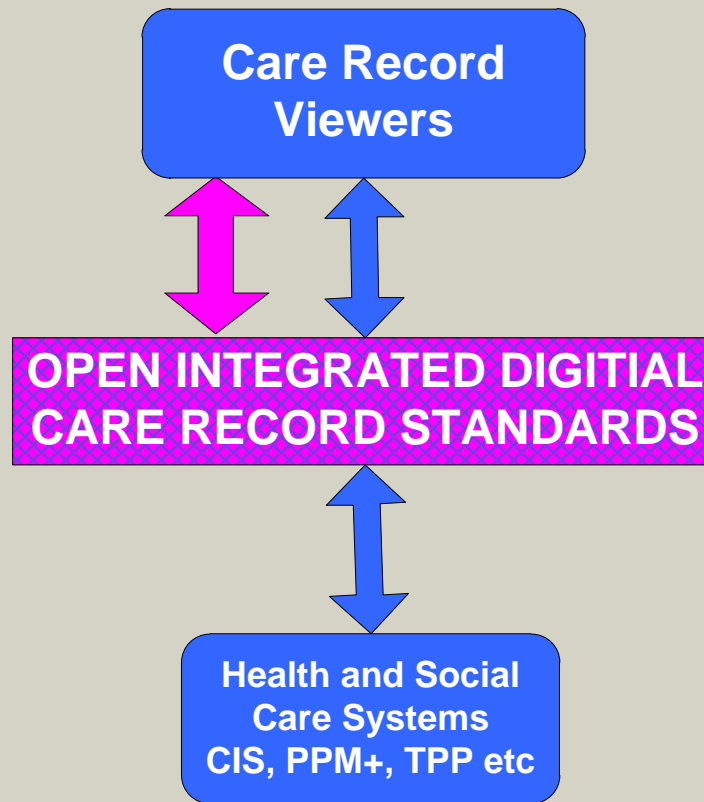
Open Data Services



The Leeds Data Mill Platform

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# Integrated Digital Care Record



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# CRITICAL FOR INTEROPERABILITY

## OPEN INTEGRATED DIGITAL CARE RECORD STANDARDS



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# Leeds Institute of Data Analytics and Integrated Intelligence Hub

One City/Place Based Analytics Hub –  
Leeds Institute of Data Analytics (LIDA)

Clinical Integration

Clinical Support Tools

Business Intelligence



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# Technology Infrastructure enablers

Common end user computing platform

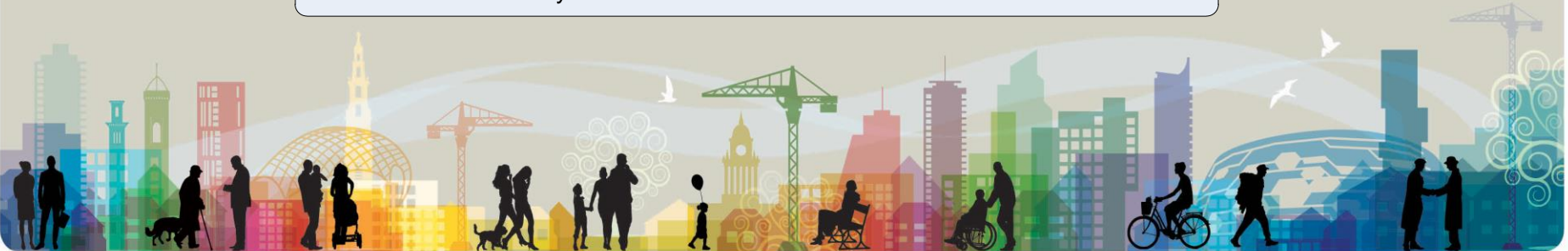
Public Service Network



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# One Whole System Information Governance Framework

One Whole System Based Information Governance Framework



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# KEY MESSAGES – what's important

- It's all about people – **'CO-PRODUCTION'**
- **DIGITAL** is an enabler
- Governance and partnership – **CITY FIRST**
- Interoperability is essential to make this work – **OPEN STANDARDS...**
- **SIMPLIFY STANDARDISE AND SHARE** – Pioneer network - let's share resources and work across organisations/areas to achieve this together



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