

## Supporting an older population that is healthier, happier, secure and empowered for longer

**There is a pressing need to make older people's care more affordable...**

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The scale of this challenge is significant; there are more people over the age 65 than there are under the age of 18. In the next 20 years, the number of people over 85 in England will double, and those over 100 will quadruple. From a financial perspective older people currently account for nearly 60% of the £16.1 billion gross current social care budget and 40% of all hospital bed days. Unfortunately, even these current service costs are under pressure, with the coalition Government looking for the NHS to release £20 billion of efficiency savings of by 2014.

The 'prevention agenda' sits at the heart of Central Government's and the sector's response to this challenge. The following quote from the Department of Health's whitepaper (Improving care and saving money: Jan 2010) encapsulates this strategy:

**...our data sharing solution directly aligns with, and supports this agenda.**

*"Prevention and early intervention are at the very heart of our vision for the future of care and support. Promoting the independence of older people through a strategic shift to prevention and early intervention can produce better outcomes and greater efficiency for health and social care systems. Better outcomes for older people also appear to be aligned with approaches which target the right people at the right time and provide personalised responses focused on 'working with' the person rather than 'doing for' them"*

To deliver this agenda, health partnerships will need to get better at; predicting those people at highest risk of poor outcomes and implementing the 'right interventions' in a timely fashion, in order to slow or prevent poor outcomes.

In turn, the ability to implement the 'right intervention' is dependent on having commissioned the right services in the first place, and 'delivery in a timely fashion' is dependent on getting the right information to front line teams and carers as quickly as possible.

The ability of partnerships to deliver these capabilities is directly dependent on effective data sharing across partnerships. For example, the broader the range of data that can be used to make risk predictions, the more accurate these predictions will be, the more accurate these predictions, the more able we will be to make impactful service interventions.

## **Xantura's data sharing solution**

Accepting that effective data sharing is critical to the delivery of the 'prevention agenda', any solution will also need to address security, privacy and civil liberty concerns.

Our data sharing solution has been designed to deliver these improved prediction and intervention capabilities whilst directly tackling legal and political data sharing challenges.

Xantura is a niche consulting and technology company focused on embedding the innovative use of citizen and patient data into health and local government services. We have developed a unique data sharing and analytics platform (informed by work undertaken for the Department for Communities and Local Government) that draws securely on records from different agencies – and information from service users themselves - to create powerful insight into individuals' care needs, and links it to the actions required to meet those needs.

A number of different applications support the use of this approach to help address the prevention and the coalition's new reform agenda:

**Approved by the  
Information  
Commissioner's  
Office...**

### **Commissioning / strategic planning**

Our software enables commissioning and strategic planning teams to profile individuals according to risk (for example, of a fall, care home admission, stroke). These profiles can be used to project future service demand and undertake 'what-if' scenario modelling (for example, how resources can best be re-prioritised if faced with budget reductions).

### **Frontline operational efficiency and effectiveness**

Our software supports the secure flow of personal data and the automated notification of key life events across service teams and organisations (for example, alerting a care worker that an

**...our solution addresses key legal, business change and technical barriers**

individual is now at high risk of a fall, or care home admission).

#### **Citizen engagement**

Our software enables individuals to control data sharing permissions, provide feedback on service quality and be prompted to take up or apply for targeted services (for example, giving explicit consent for their housing benefit data to be made available to the social care team to streamline an assessment process, receive a prompt to apply for home insulation, or enable their GP and care worker to view their Telehealth data).

Employing a cloud computing approach, our platform is hosted externally at a secure accredited (GovConnect, ISO27001) data centre, and is accessible via the web. With no complex technology project to implement, service teams and individuals can be exploiting and acting on insights almost immediately.