



# Role of AHSNs in Health & Wealth

## SPARK 2014 SBRI Healthcare Innovation Expo

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# What and where

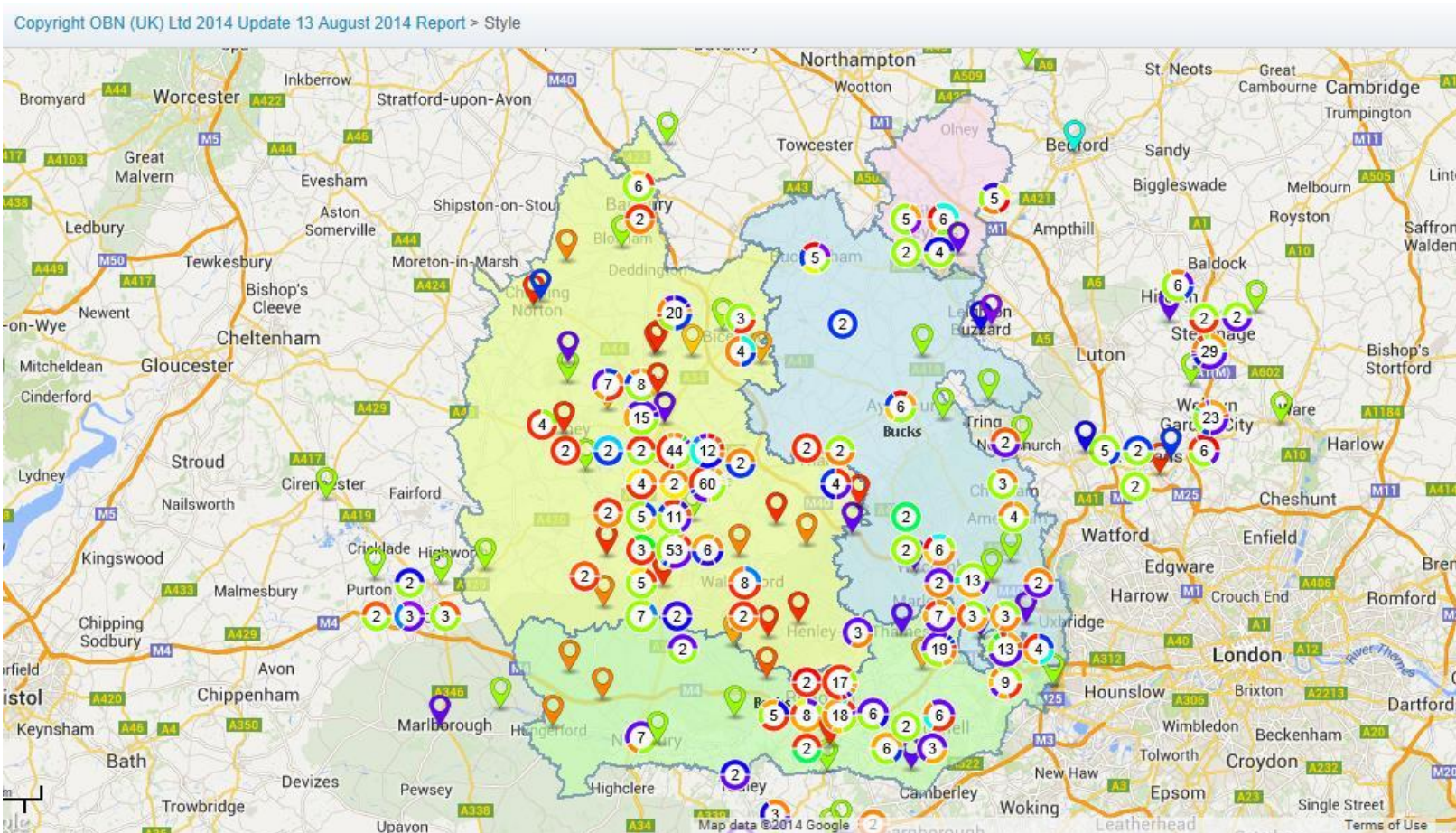
Oxford AHSN – 1 of 15 in England  
 3.3M population  
 Annual NHS spend circa £5bn  
 NHS employees 65,000  
 12 Clinical Commissioning Groups  
 4 Local Enterprise Partnerships  
 12 Councils  
 Major international companies  
 569 healthcare and life science organisations  
 Complex and varied landscape



Oxford AHSN Life Sciences map link:

<http://www.oxfordahsn.org/our-work/wealth-creation/obn-map/>

# Interactive Industry Map



569 companies within the region with 20 large multinationals  
Allergan, Bayer, Baxter, BD, Boehringer Ingelheim, BT, Covance, Daiichi Sankyo, GE Healthcare, ICON, Johnson & Johnson, Microsoft, Oracle, Oxford University Press, Quintiles, Sanofi, Stryker, UCB, Vodafone

# The Oxford AHSN – 4 programmes

- **Best Care programme**
  - 10 AHSN funded **clinical networks** and working with Thames Valley Strategic Clinical Networks
  - **Continuous learning** – working with Health Education Thames Valley
    - Evidence Based Healthcare Fellowships
    - Patient Safety Academy (and Patient Safety Collaborative)
- **Clinical Innovation Adoption programme** – adoption at scale of innovations to improve patient outcomes, experience and safety. Clinically led, working with NHS providers and industry
- **Research and Development programme** - work with Thames Valley and South Midlands Local CRN, NIHR, CLAHRC, life science industry and other research infrastructure
- **Wealth Creation programme** - to help the region become the favoured location for inward life science investment, life science business creation and growth

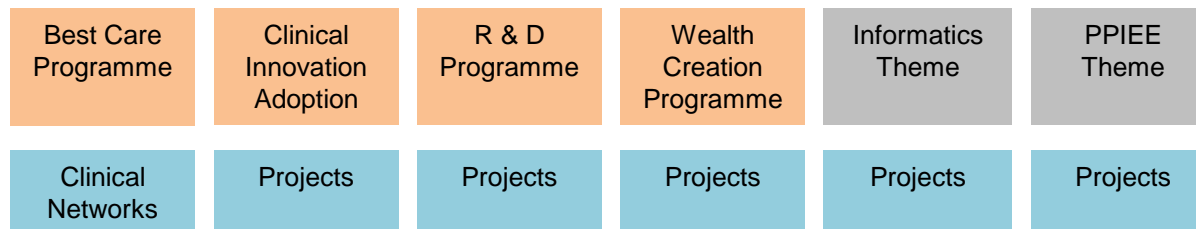
# Best Care

The Oxford AHSN is funding and supporting ten clinical networks for driving improvements in health. We also work closely with the Thames Valley Strategic Clinical Networks (SCN).

1. **Children - Prof Andrew Pollard**
2. **Dementia - Dr Rupert McShane**
3. **Depression and anxiety - Prof David Clark**
4. **Diabetes - Prof Stephen Gough/Dr Katharine Owen**
5. **Early intervention in mental health - Dr Belinda Lennox/Dr Mark Allsop**
6. **Imaging - Prof Fergus Gleeson**
7. **Maternity - Mr Lawrence Impey**
8. **Medicines optimisation - Mr Boo Vadher**
9. **Mental and physical comorbidity - Prof Michael Sharpe**
10. **Out of Hospital Care - Dr Daniel Lasserson**
11. *Cancer SCN – Dr Bernadette Lavery*
12. *Cardiovascular SCN – Dr Will Orr*

# Working with the Clinical Networks

- **Clinical lead in the diabetes category on the 5th SBRI Healthcare competition**
- **Clinical networks well positioned to provide input and support into SBRI process and applications**
  - Each clinical network collects baseline data to support measurable outcomes with emphasis on reducing variation in care
- **Input into SBRI themes taken from across the AHSN programmes/themes**



- **Patient Safety Collaborative**

# Wealth Creation – Key Priorities

- **Supporting companies along the adoption pathway**
  - Pilot studies
  - Clinical access
- **Supporting investment into the region**
- **Building a culture of innovation in the NHS**
- **Building long-term partnerships with businesses**
  - Working with the LEPs to improve SME environment
  - Partnership Board

# Working with Companies

## £3.6 million received by companies in the region to date

- **Isansys Lifecare (x2)** - New colorectal cancer test identifying patients at earlier stage
  - Development of a method for early detection of sepsis in the community to avoid hospital admission through primary care interventions for cancer patients undergoing chemotherapy.
  - Development of a multiple vital sign patient data acquisition and analysis platform for rapid early detection of patient deterioration and avoidance of adverse events
- **Oxford Medical Diagnostics** - Breath ketone analysis for improved diabetes management
- **P1Vital** - Assessment tool for managing treatment of depression
- **ProReal** - Software development with applications in mental health
- **OBS Medical** - Sensors detecting changes in everyday activities indicating mood changes
- **Halliday James** - Improving patient safety and outcomes through early detection of patient deterioration and instability
- **Fuel 3D** - wound management system
- **Message Dynamics** – Provider of low cost telehealth services
- **EcoRoute** – Keeping children active



# Working with Companies

- **Regional SBRI Meetings to showcase SBRI**
  - Presentation from Karen Livingstone
  - Company experience of SBRI – Isansys Lifecare, Oncascan
- **Supporting individual companies**
  - Directing to SBRI
  - Support in drafting applications
- **Post-award support**
  - Oncascan – identifying lead clinicians
  - Isansys – Initiating discussions around the adoption pathway for vital signs monitoring platform
  - ProReal – Identifying lead clinicians

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