



## AIREDALE NHS TRUST

T-HEALTH – IT'S APPLICATION IN THE UK PRISON SECTOR

4<sup>TH</sup> MARCH 2010



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NHS Trust



- Airedale NHS Trust is an award winning acute hospital
- 2700 staff caring for a local population of over 200,000
- Rural hospital & cover 700 miles
- Specialist services - Haematology, Oncology, Cardiology, Orthopaedics, Midwifery, Children's Services and Gynaecology.
- Committed to patient satisfaction and recently opened a new Haematology and Oncology Day Unit, Stroke Unit and Children's Outpatient Unit.
- We care for
  - 24,700 inpatients
  - 21,800 patients as day case
  - 103,500 as out patients.
- Our Accident and Emergency Department sees and treats over 47,000 patients every year.

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## Vision for the Future

“A truly world class, local healthcare provider, recognised by everyone as being a superb organisation to belong to, one that works flexibly and in partnership to ensure the best deal for patients, leading and innovating on new ways of delivery, confident about its role, and in command of its future”

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The 2008 Learning and Skills Council Large Employer of the Year for Yorkshire.



The Dr Foster Small Hospital of the Year for two out of the last three years



A second wave Health Foundation, Safer Patient Initiative site, with now the lowest Hospital Standardised Mortality Rate (HSMR) outside of London, and 15 months and counting since our last ventilator acquired pneumonia (VAP).



The Airedale Lean Health Care Academy has inspired hundreds of staff across the region to learn about and employ LEAN techniques. In 2008 the Trust was short listed for eight nominations for differing awards at the first National LEAN Healthcare Exhibition and Award Event. Trust was successful in winning four awards:

- Organisation of the Year
- NVQ champion of the Year
- NVQ Project of the Year
- Special Award



In recognition of our track record of innovation we are the Yorkshire and the Humber NHS Enterprise Hub.



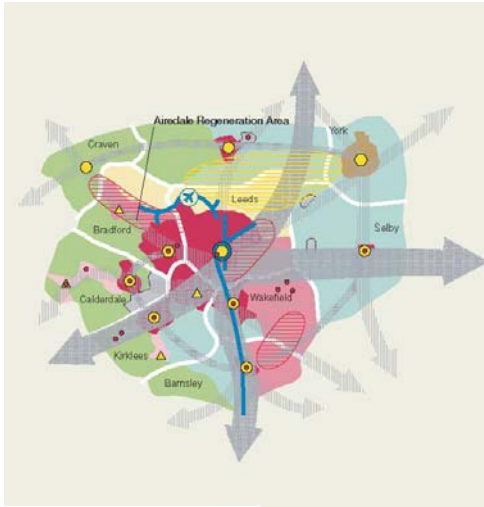
Celebration of Learning and Skills Yorkshire and The Humber Regional Large Employer of the year 2009



Investors in People is a flexible and easy to use standard which helps organisations transform their business performance.

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## Airedale Corridor

- Regeneration areas
- High levels of Deprivation in the UK
- Keep Hospital 'Fit for Purpose'
- New Approach to Healthcare
- Link Healthcare, Community and Business Together
- Capitalise On Current Strengths

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## Prisoner Health

- Around 20% of the prison population is on remand (not sentenced).
  1. About 6% of the prison population is female; 94% male.
  2. 60% of prisoners are between 16 and 30 years of age.
  3. About 28% of the prison population is from a minority ethnic group.
- Almost half of all prisoners have no educational qualifications and were unemployed prior to entering prison.
- Prisoners have very high levels of adverse family and social experience of prior to entering into prison and over a quarter of both male and female prisoners were in local authority care as children.
- Female prisoners report very high levels of previous domestic violence (over 50%) and previous sexual abuse (over 30%).

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## Prisoner Health

- The prison population has very high levels of mental illness.
- 7% of male sentenced prisoners having a functional psychotic disorder in the preceding 12 months.
- 40% a current neurotic disorder.
- 90% of prisoners have some kind of mental health problem.
- High prevalence of drug and alcohol abuse and complications such as Hepatitis B and C.
- Levels of most chronic physical disorders (such as epilepsy, asthma, diabetes, coronary heart disease, cancer) are similar to those found in an equivalent population.
- Many of these chronic conditions may have been relatively poorly treated.
- New prisoners are at high risk of acute mental health problems including suicide/ self harm.

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## T-HEALTH

- T-Health is 'the delivery of medicine from a distance. It enables real time medical consultations to take place between people in separate locations'
- Look to improve ways we deliver healthcare and are therefore using T-health for the benefit of patients who have difficulty accessing healthcare.

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## T-Health for Prisons

- 4 years experience of delivering to 8 of Her Majesty's Prisons
- Very broad range of conditions dealt with

### Acute

- All medical emergencies
- Sports injuries – strains, fractures
- Wounds received by attack from other inmates
- Wounds received as a result of self harm /overdoses
- Cardio vascular problems

### Second Opinions

- Diabetes
- Chronic Heart Disease
- Neurology (seizures, fitting)
- Urology
- General Surgical advice
- Cardiology
- ENT
- Maxillofacial – advice on treatment of scars
- Dermatology

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We currently provide services to 8 prisons within the UK and anticipate in the coming year a further 14 prisons will come on line:

- HMP Durham
- HMP Deerbolt
- HMP Low Newton
- HMP Acklington
- HMP Castington
- HMP Holme House
- HMP Kirklevington
- HMP Parkhurst
- HMP Albany
- HMP Camp Hill
- HMP Whitemoor
- HMP Blundeston
- HMP Styal
- HMP Risley

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## Telehealth Prisons

- Excellent feedback from staff
- High prisoner / HMPS satisfaction
- No adverse clinical events
- Improvement in local clinical skills
- Positive feedback from local secondary care
- Improved response times
- Reduced lock downs

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## Benefits

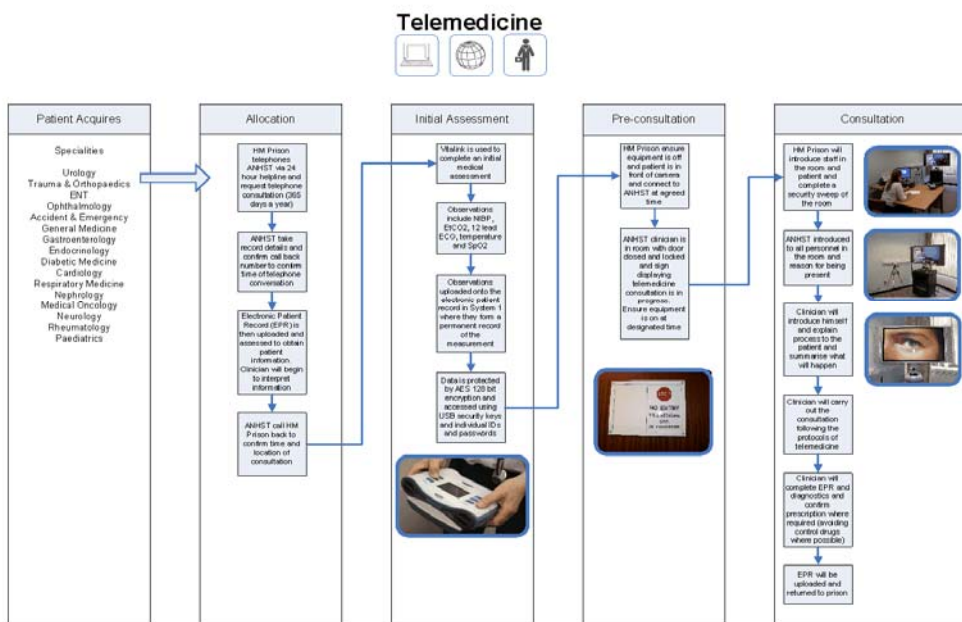
- High quality, equitable and prompt clinical care
- Reduced transfers out / lock downs (cost saving / reduced impact on security)
- 75% of patients are treated without transfer from the Prison - previously all would have required this
- Reduced litigation risk (second opinions)
- Staff feel supported
- Local secondary care - less disruption
- Reduced carbon footprint

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## Telemedicine Prison Care Pathway

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## Future

- Strong future for T-Health
- Mainstream into the NHS and across different specialities
- Needs to be affordable
- Created by its users



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