

Whole Systems Demonstrator



Newham WSD Trial

TeleCare & TeleHealth

in partnership with

Newham London

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1 September 2009

Overview

- Background of Newham
- Background of WSD
- WSD Programme
- Main Objectives
- Patient Groups
- TeleCare
- TeleHealth
- Benefits
- Case Studies

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About Newham

- Most culturally diverse of all London Boroughs
- Registered GP patient population – 300,000
- Substantial health inequalities with the adverse impact of poverty and deprivation
- Aging population
- Increasing number with long term conditions
- Increasing number with health and social care needs

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Background – WSD

- Two-year research project
- Funded by DH
- One of three sites
- PCT and Council partnership
- Independently evaluated
- 4 Workstreams: TeleCare, TeleHealth, IT, SAP/ICP
- Use of technology for management of long term conditions
- Showcase benefits to users, carers and health industry
- Enables users to take ownership of own health
- Retain independence in own homes

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WSD Programme

- Largest randomised trial of it's kind
- Intervention and control groups
- Compliance
- Eligibility criteria
- Maximized spread of equipment
- Minimized impact on healthcare system
- Risk management
- Control group: delayed delivery

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Objectives of the WSD Trial

To reduce:

- **emergency hospital bed days and admissions;**
- **accident and emergency attendances;**
- **numbers admitted to residential care and nursing homes.**

Ultimately reducing financial and staffing pressures on Council / NHS

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Patient Groups

The trial focuses on two main patient/user groups. Work on both groups are mandatory for the trial:

TeleCare patients with:

- A care need
- Physical disability
- Frail and elderly
- Risk of hospital admission

TeleHealth patients with:

- Chronic heart disease
- Chronic obstructive pulmonary disease (COPD)
- Type 2 diabetes

TeleHealth



TeleHealth equipment is used to:

- Monitor vital signs (health indicators)
 - Blood pressure
 - Pulse
 - Blood oxygen levels
 - Weight
 - Glucose levels
- Monitored by healthcare professionals
- Escalate if required

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TeleCare



Panic Button



Watch Alarm



Alarm Pull
Cord



Flood
Detector



Epilepsy
Sensor



Carbon Monoxide
Detector

- Alarms
- Sensors
- Remote monitoring
- Call centre, 24/7/365
- Escalate as required
- c3,300 TeleCare in the borough, 1,000 on trial

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Benefits of the WSD Programme

- Promotes independence
- Improves quality of life
- Cost effective
- Clinically effective

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TeleHealth Case Study



- Ahmed, diabetic
- 1st patient on trial
- Ambassador for TeleHealth
- Featured in media
- Health deteriorated end 2008 (unrelated to diabetes/TeleHealth)
- Off TeleHealth for few months
- Motivated to get better to return to TeleHealth

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TeleCare Case Study



- William – frail, danger of falling, COPD, arthritis, deaf, heart
- Sheila – wife & carer
- Confidence – William to be home alone, Sheila to go out
- Reassured – monitored, escalated
- Peace of Mind