

HCAI – where next?

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HCAI

- Knows no boundaries
- Bacteria move with people
- Affects all health and social care settings
 - Responsibility across the whole health and social care community
 - *Health and Social Care Act 2008*

MRSA target – beyond 2008/9

- Headline : continue to improve
- Zero tolerance
 - What is the minimum achievable?
- Mandatory surveillance continues
- Performance management continues

Zero tolerance.....

- NOT – ‘there will be no infections’
 - *Biologically implausible!*
- NO tolerance
 - of preventable (avoidable) infections
 - of poor clinical practice
 - Hand hygiene compliance
 - Aseptic procedures (eg, line care)
 - Imprudent antibiotic prescribing
- *Do it right EVERY time!*

How have we changed practice?

- Management
 - emphasis on infection control
- Enhanced surveillance
 - MRSA & *C. difficile*
- Clinical practice
 - *Saving Lives & Essential Steps*
- Cleanliness and hygiene
 - hand hygiene
 - environmental cleaning
- Training and audit
- Targets and performance management
- Legislation – *Code of Practice*

...what else?

MRSA screening

- All elective admissions by March 2009
- All admissions asap and at latest by 2010-11

Why are we screening?

- Colonisation precedes infection
- Colonised patient is
 - At risk of developing an infection
 - A source for transmission to others
- Isolate MRSA +ve patients if possible
- Screening AND decolonisation
 - Reduces the risk for the individual
 - Reduces the risk of transmission

HCAI and antibiotic resistance

- HCAI caused by resistant bacteria selected by broad spectrum agents
 - MRSA
 - ESBL producing *E. coli*
 - *Acinetobacter baumannii*
 - *Pseudomonas*, *Klebsiella*, *Enterobacter*
 - Glycopeptide resistant enterococci
- HCAI resulting from use of broad spectrum agents – *C. difficile*

Technology and innovations

- Technologies that the NHS wants
 - Smart ideas (from NHS staff)
 - Smart solutions (from industry)
 - Design Bugs Out (Design Council competition)
 - ‘Portable isolation room’
 - Diagnostics
- Support for innovators – product surgeries
- Review potential value of products
 - Rapid Review Panel
- Fast Track to PASA/Supply Chain
- Showcase hospitals

.....support improved practice!

Design Bugs Out

- Challenge to the design world
 - Commissioned by DH
 - Run by the Design Council
- Two parts
 - Hospital furniture and equipment
 - Patient care items
- Prototypes launched April 28th

Furniture and equipment

- Bedside cabinet
- Bedside system
- Patient chair
- Porter's chair
- Commode

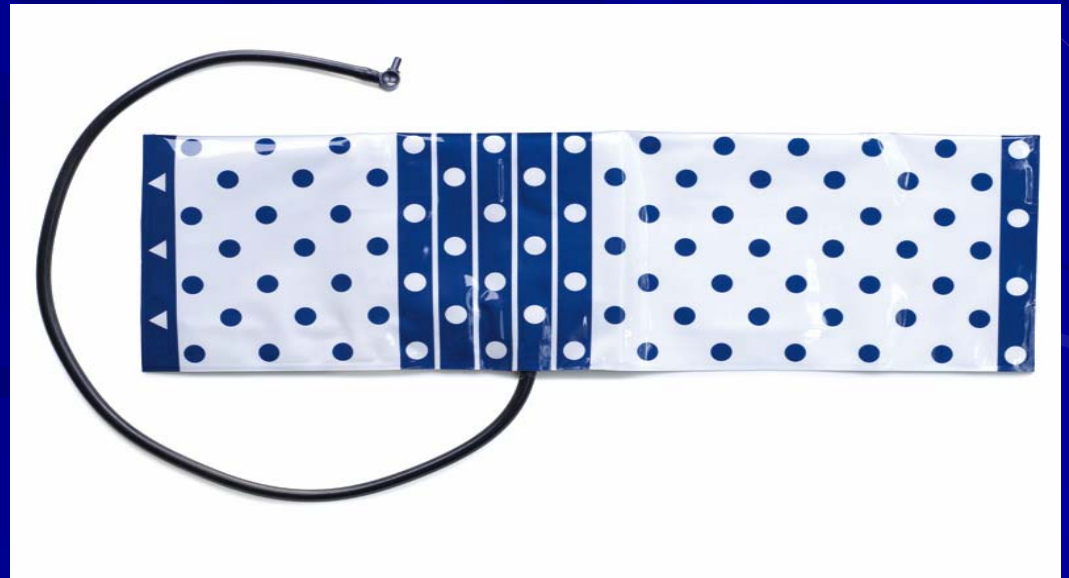
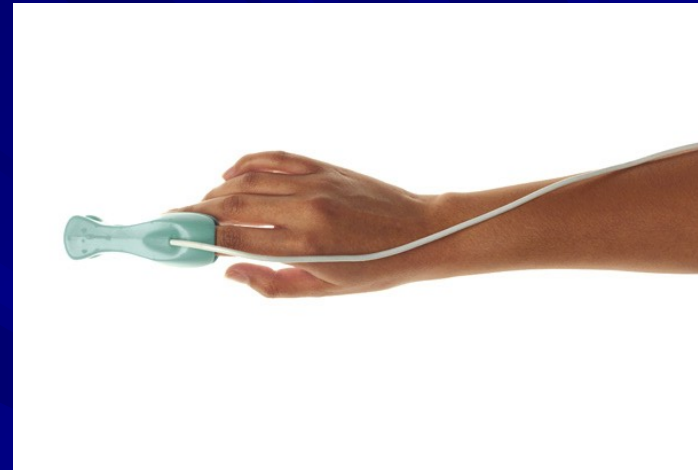


Portering chair & Commode

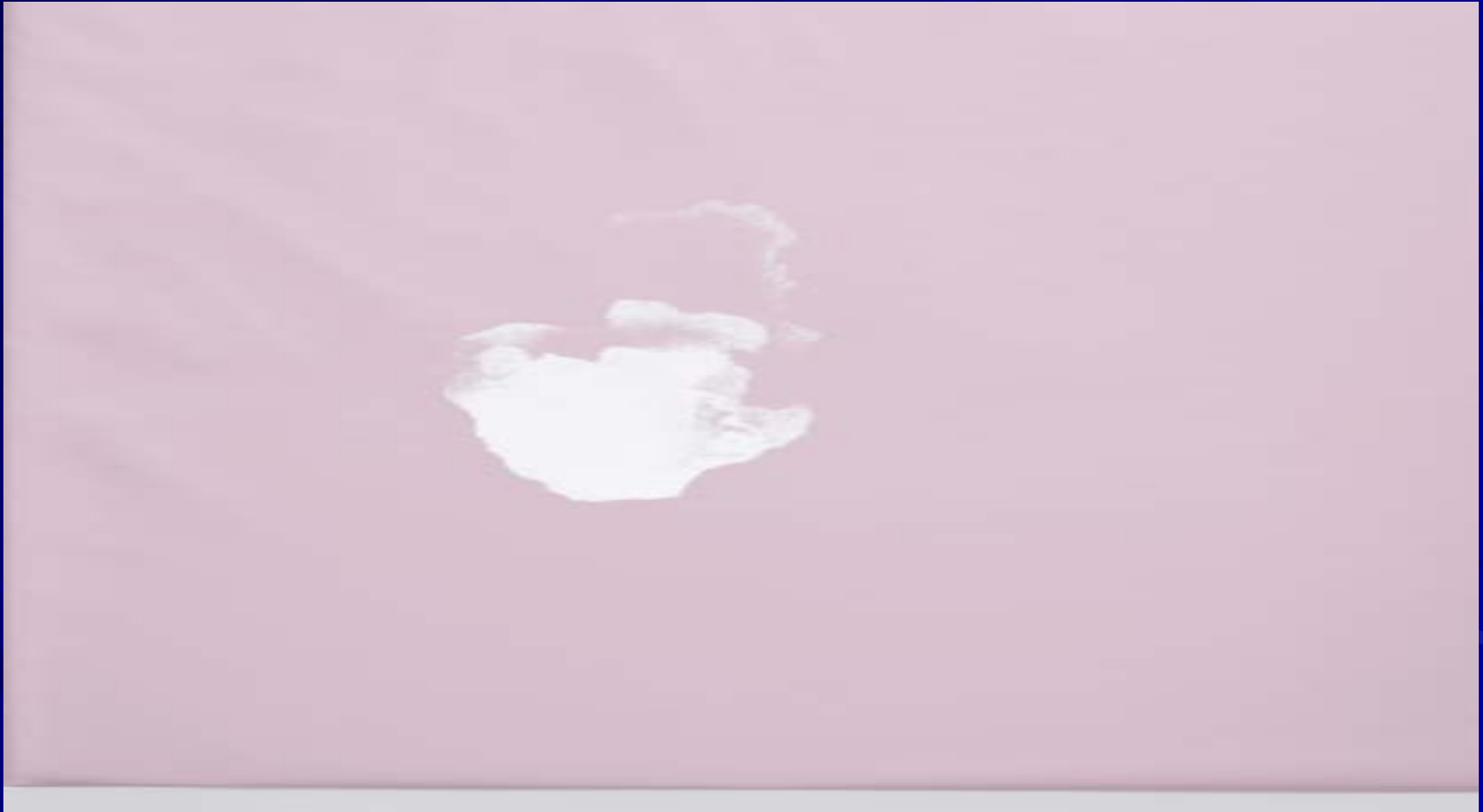


Patient care items

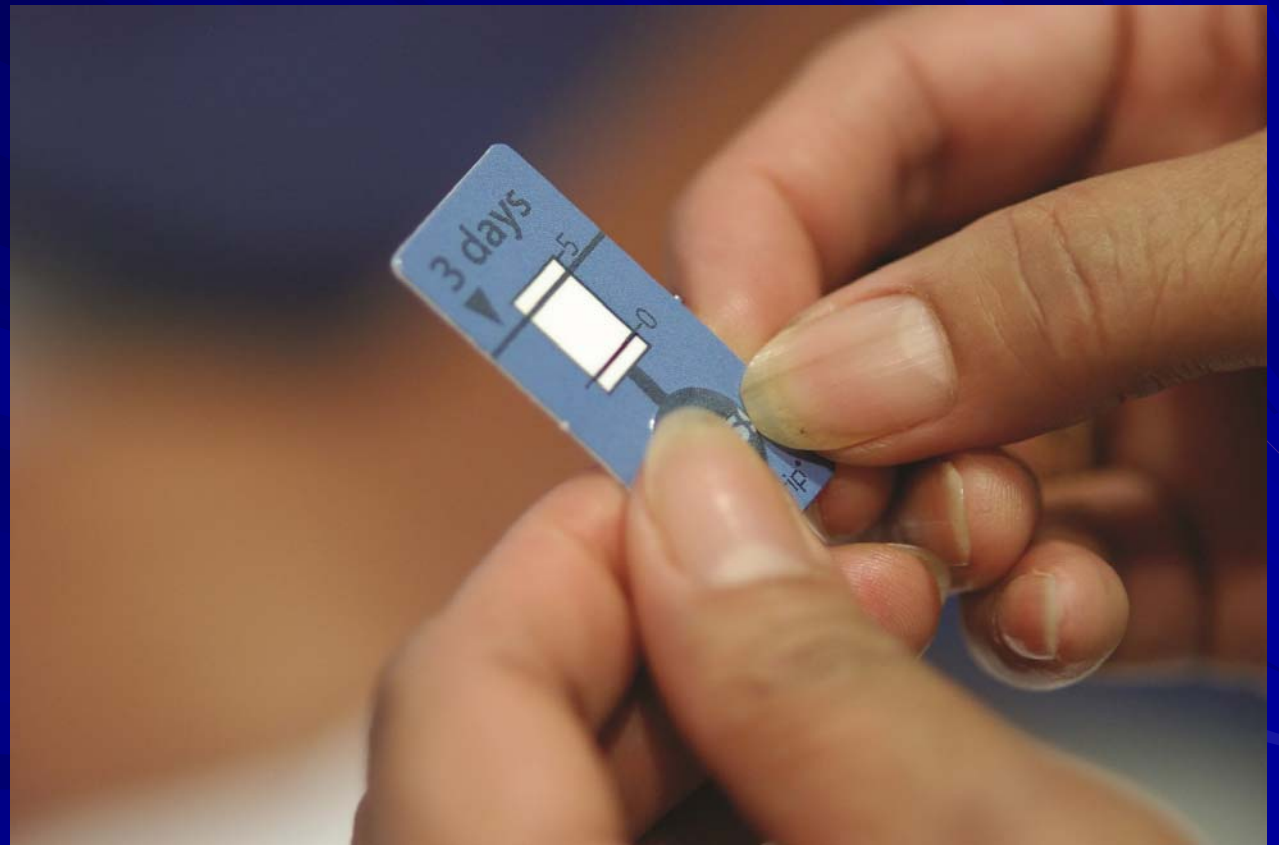
- Pulse oximeter
- Blood pressure cuff
- Wipe dispenser
- Mattress indicator
- Cannula timer
- Curtain clip



Self-monitoring mattress



Cannula timer





NHS

Purchasing and Supply Agency



Technology

Helping Fight Infection