

SBRI Healthcare





TheAHSNNetwork

SBRI
HEALTHCARE

Agenda

14.00	Andy Burroughs, Wessex AHSN (Chair) - Welcome and introduction to AHSNs Karen Livingstone – National Director SBRI Healthcare - How SBRI works & what it has delivered?
14.20	Stuart Monk, Director of Innovation South West AHSN - Introduction to the Autumn 2017 calls
14.30	A focus on Mental Health: Jane Rowland, Head of Planning & Business Development, Avon & Wiltshire Mental Health Partnership Trust
15.00	A focus on surgery: Professor Robert Hinchliffe, Professor of Vascular Surgery, Bristol Centre for Surgical Research, University of Bristol.

Karen Livingstone How to make a successful SBRI application

15.50 Q&A

Networking

16.30 Close



15.30



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Andy Burroughs, Director Wessex AHSN







TheAHSNNetwork

Welcome from the AHSN Network







What do AHSNs do?

Focus on the needs of patients and local populations: support and work in partnership with commissioners and public health bodies to identify and address unmet health and social care needs, whilst promoting health equality and best practice

Speed up adoption of innovation into practice to improve clinical outcomes and patient experience – support the identification and more rapid uptake and spread of research evidence and innovation at pace and scale to improve patient care and local population health.

Build a culture of partnership and collaboration: promote inclusivity, partnership and collaboration to consider and address local, regional and national priorities

Create wealth through co-development, testing, evaluation and early adoption and spread of new products and services





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What have we achieved? Since 2013 AHSNs have:



Helped introduce over **200** innovations



6m patients



innovations in **11,000** locations



Leveraged £330m to improve health and stimulated creation of 500 jobs





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AHSN Objectives 2018 - 2023

Key NHS and Government Strategies

UK Life Sciences Industrial Strategy Accelerated Access Review

NHS Five Year Forward View Sustainability and Transformation Plans

"Developing People, Improving Care" Berwick Report

AHSN Objectives

Innovation and growth: A more innovative NHS supports the UK's aim to be a global hub for life sciences, and stronger economic growth; patients benefit from quicker access to innovative, cost-effective drugs, devices and diagnostics



Service Transformation: Local populations benefit from significantly improved health outcomes and transformation in NHS leadership, and quality of care





SBRI Healthcare

Karen Livingstone, National Director SBRI Healthcare







SBRI Key features



SBRI is a pan-government, structured process enabling the Public Sector to engage with innovative suppliers:

- ✓ Helping the Public Sector address challenges
 - Using innovation to achieve a step change
- ✓ Accelerating technology commercialisation
 - Providing a route to market
- ✓ Support and the development of Innovative companies
 - Providing a lead customer/R&D partner
 - Providing funding and credibility for fund raising





SBRI Key features



- √ 100% funded R&D
- ✓ Operate under procurement rules rather than state aid rules
- ✓ UK implementation of EU Pre-Commercial Procurement
- ✓ Deliverable based rather than hours worked or costs incurred
- Contract with Prime Supplier
 - ✓ Who may choose to sub contract but remains accountable
- IP rests with Supplier
 - ✓ Certain usage rights with Public Sector Companies encouraged to exploit IP
 - Light touch Reporting & payments quarterly & up front







Things to Note

- Any size of business is eligible
- Other organisations are eligible as long as the route to market is demonstrated
- All contract values quoted INCLUDE VAT
- Applications assessed on Fair Market Value
- Contract terms are non-negotiable
- Single applicant (partners shown as sub contractors)
- Applicants must fully complete the application form







Eligible costs (all to include VAT)

- Labour costs broken down by individual
- Material Costs (inc consumables specific to the project)
- Capital Equipment Costs
- Sub-contract costs
- Travel and subsistence
- Other costs specifically attributed to the project
- Indirect Costs:
 - General office and basic laboratory consumables
 - Library services/learning resources
 - Typing/secretarial
 - Finance, personnel, public relations and departmental services
 - Central and distributed computing
 - Cost of capital employed
 - Overheads







www.innovateuk.org/sbri

website contains details of all SBRI competitions





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Launch Autumn Competition 2017

Mental Health Surgery

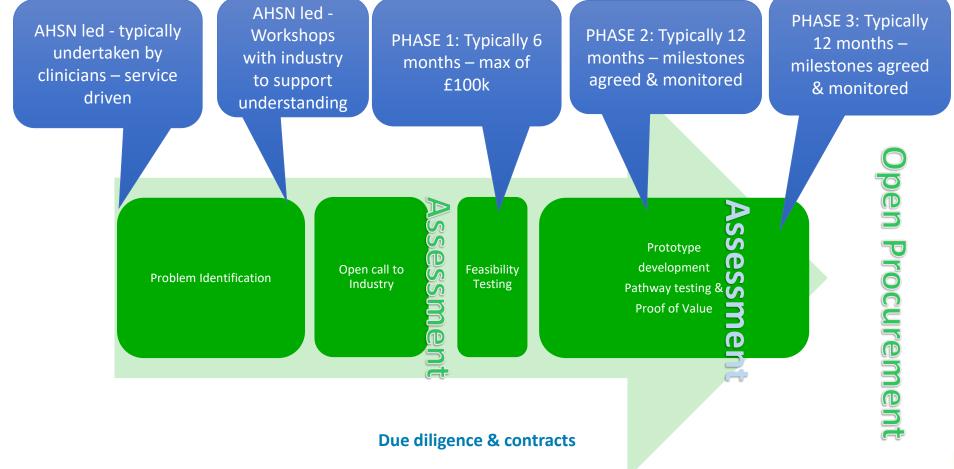


The **AHSN** Network





SBRI Process







New Competition October 2017

Competition launch: 18th October 2017

Closing Date: Noon 29th November

Briefing Events: Bristol 24th October

Nottingham 31st October

Liverpool 3rd November

Assessments: December/January 2017/18

Interview panels: January 2018

Contracts awarded: March 2018





How do we add value?

OUR YEAR IN NUMBERS

£10.9m



contracts awarded





applications from industry assessed and supported or feedback given

FIVE YEARS OF DELIVERY

£69m

£69m total funds awarded

153

Phase 1

71

Phase 2

Phase 3

135 patents, copyrights, trademarks and scientific publications applied for or awarded

382 finalised 18 companies exporting their products to international markets



The AHSN Network



Benefit for patients

- 704k patients impacted to date
- Potential to impact 59.5m
- Reduced harm evidenced.
- Reduced length of stay and no. of GP appointments
- Improved PROMs reporting from <2% to >40%









Benefit for the NHS and wider health system

- £17.8m cash releasing savings secured to the NHS and social care to date
- Estimated cumulative future savings to the NHS expected to be of the order of £300- £440m in five years (2022), rising to between £1,100m £1,800m in 10 years
- 135 IP applications: Five NICE approvals submitted
- 778 different NHS/care settings involved to date







Benefit for business and the economy

- £140m private investment secured by SBRI Healthcare backed companies
- 788 jobs created or safeguarded with £47m economic impact
- 50 products on the market and available to purchase – 18 companies are exporting & 3 have secured sales in excess of £500k
- Companies have been created and have only survived as a consequence of SBRI funding





































AHSN/SBRI companies

NW Coast Veraz, Cardiocity North Cumbria
Polyphotonix Ltd

North East &

Yorks & Humber Halliday James Ltd **East Midlands**Monica Healthcare Ltd,
Astrimmune Ltd

Radisens, Edixomed,

Scotland & N Ireland

Greater Manchester

- Sky Med, & Rapid Rhythm

West Midlands

SensST Systems, Just Checking Ltd

West of England

SentiProfiling, My mHealth, HandAxe CIC Oxford -

Fuel 3D, Oxford Biosignals, Message Dynamics

Eastern -Aseptika, Bespak, TwistDX

S.London, Imperial, UCLP

ABMS, Therakind, uMotif

Kent, Surrey &
Sussex
Anaxsys, InMezzo

South West Frazer Nash Wessex CreoMedical, Morgan Automation



sbrihealthcare.co.uk

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Launch Autumn Competition 2017

Stuart Monk, Director of Innovation, South West AHSN





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Mental Health

- The Five Year Forward View for Mental Health reports that mental health problems account for 25% of all ill health in the UK
- One in four adults will experience mental health problems each year
- Mental illness is the UK's single largest cause of disability.
- Mental health problems have an estimated economic and social cost of £105 billion a year – approximately the cost of the entire NHS.
- Nearly 1/3 of all people with a long-term physical health condition also have a mental health problem, typically depression or anxiety
- The effect of poor mental health on physical illnesses has been estimated to cost the NHS at least £8 billion a year.



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Mental Health Themes

Children and Young Peoples'
 Mental Health

Suicide/Depression

 Operational Productivity and New Models of Care







Technology in Surgery

- Increasing pressure on the cost of delivering surgery and patient waiting times.
- In the last 10 years, the number of surgical admissions to secondary care increased by 27%, from 3.7 million in 2003/04 to 4.7 million in 2013/14.
- There are over three thousand NHS operating theatres in England
 - 19% of which are dedicated day case theatres
 - \circ Annual expenditure on surgery in the NHS has been estimated at £4.5 billion (2013).
- The 92% target for all patients to be seen within 18 weeks has not been met since February 2016.
- NHS Improvement today! Believes operating theatres could be saving 2 hours a today through increased efficiency







Technology in Surgery Themes

Technologies to assist with surgical procedures

 Preoperative surgical simulation technologies





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Jane Rowland, Head of Planning and Business Development, Avon and Wiltshire Mental Health Partnership NHS Trust

A focus on Mental Health





Mental Health

24th October 2016

Jane Rowland - Head of Planning and Development

Mental health today





Mental Health Partnership NHS Trust



World Mental Health Day 2016

Good mental health throughout life

Mental health of young people



Mental illness starts early. The median age of onset for any mental illness is 14 years-old, and for anxiety disorders as low as 11 years-old

Disadvantages early in life have long-term implications:

- Poorer educational outcomes
- · Higher risk of dropping out of school · Bigger problems finding work after



JOB

Percentages of young people leaving school early

No mental illness Moderate mental illness 20% leave early Severe mental illness 26% leave early

Mental health and work

People with a mental disorder are more likely to be dismissed and typically 2-3 times more often unemployed.

Employees with mental ill-health are also less productive at work, and more likely to take sick leave. Between one-third and one-half of all sickness and disability caseloads in OECD countries are related to mental-health problems.

/orkplaces need a three-pronged response: / prevention of psychosocial workplace risks / action to retain workers with mental health proble







Employment services need to tackle mental it is a major barrier to

Treatment and outcomes

Treatment for mild and moderate mental illness is often unavailable, or patients have to wait a long time, or face high



Undertreatment contributes to poor outcomes. In the typical OECD country, people with bipolar disorder or schizophrenia have a mortality rate 4-6 times higher than

Improvements are needed; effective diagnosis and coordination by GPs, access to psychological therapies, and good community services should be



Mental health of older people



27% of the OECD population will be 65 or older by 2050.





retirement, social isolation and loneliness. declining physical health and bereavement. In high income countries at least 12% of older people are affected by clinically

significant levels of depression at any one

Health professionals, carers, family and friends and older people themselves should watch out for mental ill-health, and make accessing appropriate treatment a priority

Recommendation of the OECD Council on Integrated Mental Health, Skills and Work Policy



An issue that is still stigmatised in most OECD countries and can only be addressed through a coordinated policy approach.

An issue that needs concerted action towards a common goal in four policy areas: Youth policy; Health policy; Workplace policy: Social and employment



OECD Member countries want to push action and improve outcomes by adhering to an agreed Recommendation of the OECD Council and measuring progress continuously.

For more information visit: www.oecd.org/employment/mental-health-and-work.htm ; www.oecd.org/nealth/mental-health-systems.htm

⟨OBCD | COD |

FUNDING FOR MENTAL HEALTH

ADULTS

report having been diagnosed with at least one mental health problem 1



2 MILLION MORE PEOPLE will have a mental health problem in

the UK by 2030²

£600 REAL-TERM FALL IN NHS MENTAL HEALTH FUNDING

over the course of the last parliament 3 Mental Health Network NHS CONFEDERATION

MENTAL HEALTH TRUSTS REPORTED A



Mental Health Taskforce report 2016 said: 66 WE HAVE IDENTIFIED THE NEED TO INVEST AN ADDITIONAL

A RECENT SURVEY SHOWS

MENTAL HEALTH TRUSTS COMMISSIONERS

DO NOT FEEL CONFIDENT £1 BILLION ADDITIONAL TASKFORCE INVESTMENT WILL BE ENOUGH TO MEET MENTAL HEALTH SERVICE CHALLENGES. 6

FOR MORE INFORMATION, PLEASE VISIT



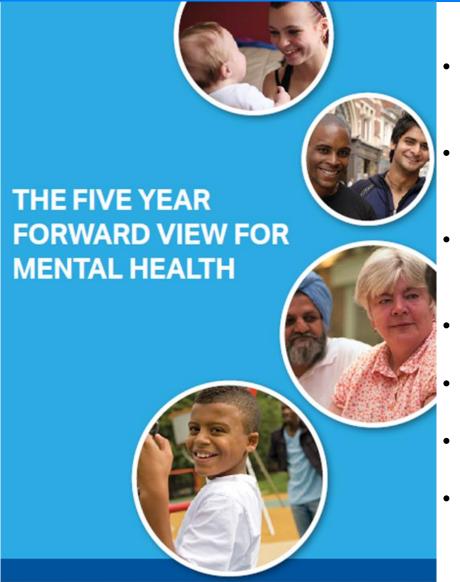
www.nhsconfed.org/mhn

Health & Social Care Information Centre (2015), Health survey for Buyland, 2014 * Mental Health Foundation (2013), Sturring today; future of montal health services * Mellicull & (2015), Mental Health Foundation (2013), Sturring today; future of montal health services * Mellicull & (2015), Mellicull & (201

Change is happening...



Mental Health Partnership NHS Trust

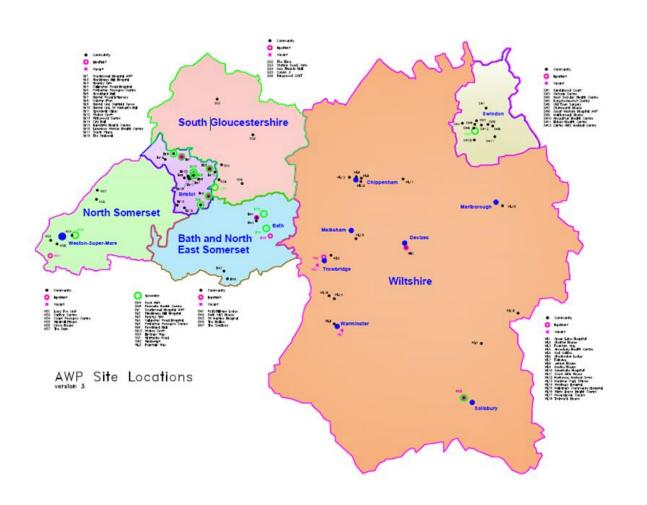


- **CAMHS** Better access to local services for children and young people, including specialist provision
- **Perinatal mental health** community teams to support more women, close to home
- **Adult mental health** improve access to lower level mental health services and crisis response when needed
- **Secure care** enable more people to be treated closer to home
- **Health and Justice** improvements in Liaison and Diversion
- **Suicide Prevention** reducing the number of suicides by 10%
- **New care models** for specialist services, including Eating Disorders, **CAMHS** and Secure Care

The ask for mental health...

- An increasingly 'tech savvy' population but....a health system that doesn't make best use of it
- Engaging service users at every age and stage
- Making use of the technology we have available to us
- Joining up with other providers and commissioners
- Using big data to track patterns and changes we need to make

Mental Health Partnership NHS Trust



General Services

- •PCLS
- •IAPT
- Acute Liaison
- Rehabilitation
- •Drug and Alcohol Services (Psychosocial)
- •CAMHS Tier 2 & 3
- CMHT
- •Rehabilitation and Recovery services

Intermediate Services

- Acute Inpatient
- Older Adult Inpatient
- Learning Disabilities (Community);
 ASD; ADHD
- •Drug and Alcohol Services (Prescribing)
- Prison Healthcare (Specialist MH provision)

Highly Specialised Provision:

- Secure
- •Tier 4 CAMHS
- •PICU
- Learning Disabilities (IP)
- Eating Disorders
- ·Mother and Baby Unit

NHS England commissioned services

Eating Disorders: 10 bedded unit located in Bristol, adjacent to Southmead Hospital

CAMHS: 9 bedded unit, on the Blackberry Hill site in Bristol

Secure: 112 bedded unit – both medium and low secure at Fromeside Hospital,

Blackberry Hill

Perinatal: 4 bedded Mother and Baby Unit, adjacent to Southmead Hospital



- Relatively, south west has fewer specialist beds than rest of England
- When beds are not available, service users have to travel out of area for treatment
- NHS England track all service users through the Specialist Mental Health database (SMH)
- Service users are repatriated back to in area beds when possible

- We need data to:
 - Understand our service users
 - Know where service users are in their treatment pathway
 - Case manage their care
- What we don't have is:
 - A joined up system
 - Shared oversight of all service users
- What this leads to:
 - Lots of manual data entry and validation
 - Potential for inaccuracy/omission

- A solution that sits between RiO (the Trust operating system) and the SMH Database
- Integrity of information without lots of data checking and analysis
- Case managers who are able to concentrate on clinical pathways, not reconciliation

But.....

- Integration engines are expensive to design and implement
- Management of any system has to be simple



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Prof Robert Hinchliffe, Professor of Vascular Surgery, Bristol Centre for Surgical Research, University of Bristol

A focus on Surgery









Clinical Presentation – Technology in Surgery

Professor Robert Hinchliffe
Professor of Vascular Surgery
University of Bristol &
Bristol, Bath & Weston Vascular Network





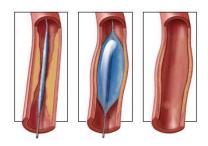
Overview

- Innovations
- Desirables
- Current climate
- Evaluating new technology and procedures





Innovations in vascular surgery



Balloon angioplasty



Embolectomy balloon catheters



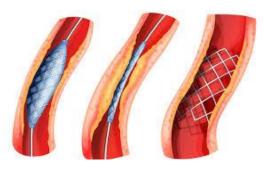
Prosthetic grafts



Stent-grafts



Branch stent-grafts



Stents



Endovenous ablation





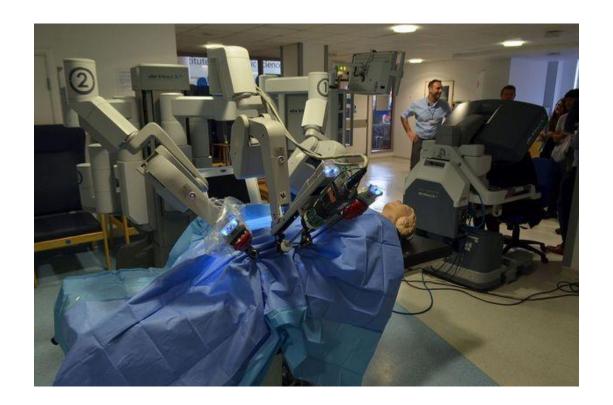
What I (any surgeon) would like

- Augment my senses
- Understand where I am + help to get somewhere else
- Familiar environment (standard operating theatre)
- Improve outcomes (standardise)
- Limited resources (standard kit)





Please – no more 'robots'





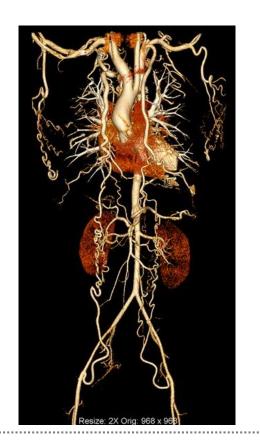


Surgery – pre-operative planning

Anticipate problems

Management strategy

Alternative solutions

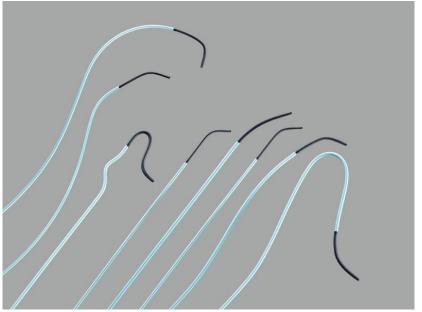






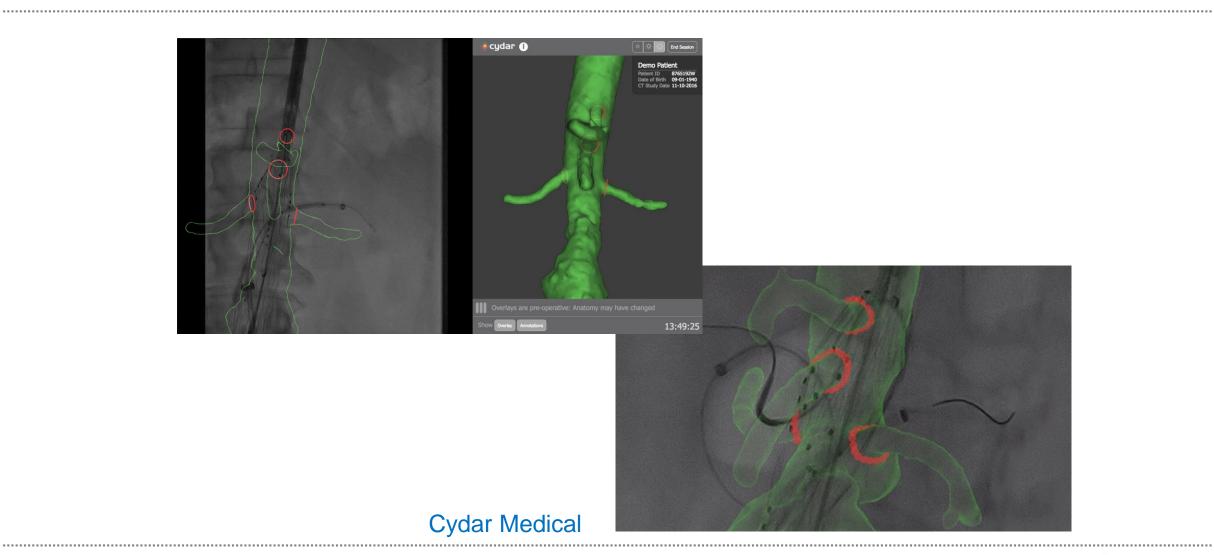
Technologies to assist the surgical procedure



























	1 Idea	2a Development	2b Exploration	3 Assessment	4 Long-term study
Purpose	Proof of concept	Development	Learning	Assessment	Surveillance
Number and types of patients	Single digit; highly selected	Few; selected	Many; may expand to mixed; broadening indication	Many; expanded indications (well defined)	All eligible
Number and types of surgeons	Very few; innovators	Few; innovators and some early adopters	Many; innovators, early adopters, early majority	Many; early majority	All eligible
Output	Description	Description	Measurement; comparison	Comparison; complete information for non-RCT participants	Description; audit, regional variation; quality assurance; risk adjustment
Intervention	Evolving; procedure inception	Evolving; procedure development	Evolving; procedure refinement; community learning	Stable	Stable
Method	Structured case reports	Prospective development studies	Research database; explanatory or feasibility RCT (efficacy trial); diseased based (diagnostic)	RCT with or without additions/ modifications; alternative designs	Registry; routine database (eg, SCOAP, STS, NSQIP); rare-case reports
Outcomes	Proof of concept; technical achievement; disasters; dramatic successes	Mainly safety; technical and procedural success	Safety; clinical outcomes (specific and graded); short-term outcomes; patient-centred (reported) outcomes; feasibility outcomes	Clinical outcomes (specific and graded); middle-term and long- term outcomes; patient-centred (reported) outcomes; cost- effectiveness	Rare events; long-term outcomes; quality assurance
Ethical approval	Sometimes	Yes	Yes	Yes	No
Examples	NOTES video ⁶	Tissue engineered vessels	Italian D2 gastrectomy study ⁸	Swedish obese patients study ⁹	UK national adult cardiac surgic database ¹⁰

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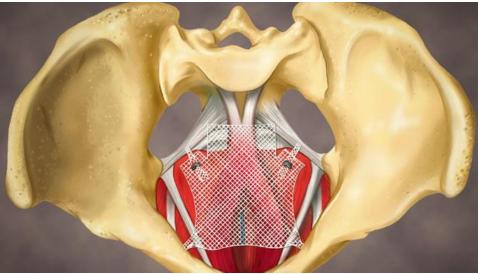
bristol.ac.uk





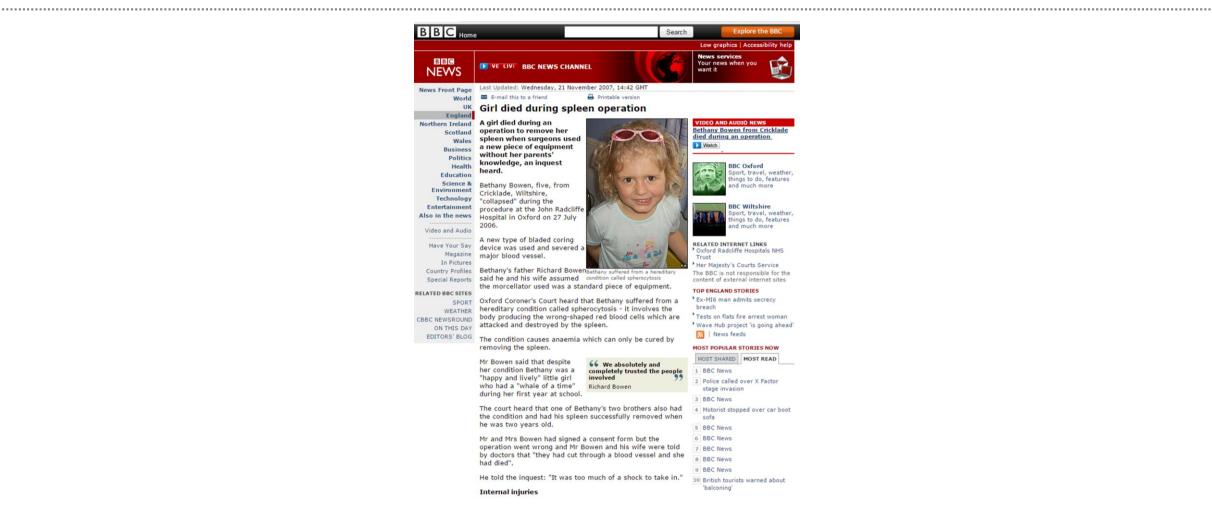
Surgical innovation

















NEW CLINICAL INTERVENTION / PRACTICE - INTRODUCTION CG23

This policy can only be considered valid when viewed via the NBT Intranet policies page. If this policy is printed into hard copy or saved to another location, you must check that the version number on your copy matches that of the one online.

Specific Staff groups to whom this policy <u>directly</u> applies	Likely frequency of use	Other staff who may need to be familiar with the policy:
Consultants and all clinical staff who want to introduce a new practice	As required	Managers, Directorate Accountants

Owner	Dr Chris Burton, Lesley Le-Pine	
Consultation Route:	Clinical Effectiveness Committee, Clinical Directors, Medical & Nursing Directors	
Approved Clinical Effectiveness Committee:	January 2010	
Next Review date:	January 2013	
Key Words:	Intervention; practice	

University Hospitals Bristol NHS Foundation Trust

Introducing new interventional procedures into routine clinical practice

Document Data			
Subject:	Procedural Documents		
Document Type:	Policy		
Document Status:	Draft		
Document Owner:	Stuart Metcalfe, Clinical Audit & Effectiveness Manager		
Executive Lead:	Medical Director		
Approval Authority:	Clinical Quality Group		
Estimated Reading Time:	10 Minutes ¹		
Review Cycle:	36		
Next Review Date:	Date of First Issue:	Date Version Effective From:	
31/07/2017	31/07/2014	31/07/2014	
-			

Document Abstract

This policy outlines the Trust's expectations on the appropriate implementation of new interventional procedures into routine clinical practice. The policy outlines the necessary processes around application, review and approval processes. The Clinical Effectiveness Group is the lead body for this Policy.





NHS patients are missing out on life-saving robot surgery

(Guardian 13th April 2014)

"New treatments are being introduced in a haphazard fashion, says surgeon's body (Royal College of Surgeons)"











NIHR Bristol Biomedical Research Centre



http://www.uhbristol.nhs.uk/research-innovation/our-research/nihrbristolbrc/





Bristol Centre for Surgical Research

Surgical Innovation Theme







Aim: to transform early phase study design

- New methods for safe & transparent translation of innovation
- Expedition of rejection of ineffective techniques
- Efficient trial design

Ultimately inform evidence-based surgical practice

Overview of the theme

Evaluation of innovation

Early phase design & intervention definition

Information provision & informed consent

Selection, measurement & reporting outcomes

Design interventions and co-interventions

Identify active (clusters) of interventions/co-interventions using network meta-analyses

Utilise surgical registries to identify outliers, innovators and successful interventions

Develop novel co-interventions using mixed methods







Core Outcome Measures in Effectiveness Trials

http://www.comet-initiative.org/home/







'Clinical trials are only as credible as their outcomes' Tugwell 1993





Why are outcomes important?

"...a method of gauging the effectiveness of an intervention"





Patient reported outcomes also important

"You need to know about customer feedback that says things should be better."

Bill Gates







.... and information used in practice to inform decision-making





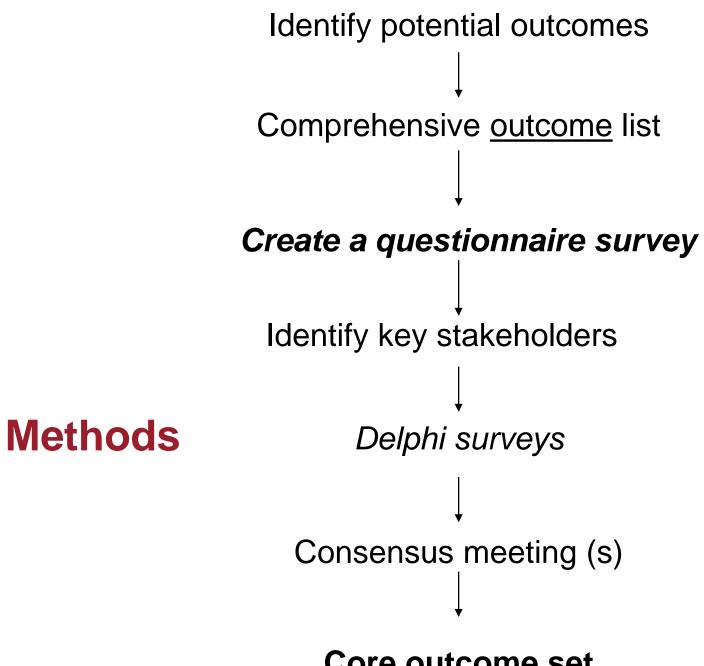
Problems with outcomes

Heterogeneity of outcomes

Outcomes definition & measurement

Outcome reporting bias





Core outcome set

Oesophageal surgery for cancer

Literature review of clinical outcomes n=248

Literature of patientreported outcomes

Review of patient information leaflets

National Audit Data 2010 (AUGIS)

Consultations & patient interviews

'Long list' of all possible outcomes

Reporting of Short-Term Clinical Outcomes After Esophagectomy

A Systematic Review

Natalie S. Blencowe, MRCS,*† Sean Strong, MRCS,* Angus G.K. McNair, PhD,*† Sara T. Brookes, PhD,†
Tom Crosby, FRCR,‡ S. Michael Griffin, MD,§ and Jane M. Blazeby, MD*†

Objective: This review summarizes reporting of complications of esophageal cancer surgery.

Background: Accurate assessment of morbidity and mortality after surgery for cancer is essential to compare centers, allow data synthesis, and inform clinical decision-making. A lack of defined standards may distort clinically relevant treatment effects.

Methods: Systematic literature searches identified articles published between 2005 and 2009 reporting morbidity and mortality after esophagectomy for cancer. Data were analyzed for frequency of complication reporting and to check whether outcomes were defined and classified for severity and whether a validated system for grading complications was used. Information about reporting outcomes adjusting for baseline risk factors was collated, and a descriptive summary of the results of included outcomes was undertaken.

Results: Of 3458 abstracts, 224 full papers were reviewed and 122 were included (17 randomized trials and 105 observational studies), reporting outcomes of 57,299 esophagectomies. No single complication was reported in all papers, and 60 (60.6%) did not define any of the measured complications. Anastomotic leak was the most commonly reported morbidity, assessed in 80 (80.1%) articles, defined in 28 (28.3%), but 22 different descriptions were used. Five papers (5.1%) categorized morbidity with a validated grading system. One hundred fifteen papers reported postoperative mortality rates, 25 defining the term using 10 different definitions. In-hospital mortality was the most commonly used term for postoperative death, with 6 different interpretations of this phrase. Eighteen papers adjusted outcomes for baseline risk factors and 60 presented baseline measures of comorbidity.

Conclusions: Outcome reporting after esophageal cancer surgery is heterogeneous and inconsistent, and it lacks methodological rigor. A consensus approach to reporting clinical outcomes should be considered, and at the minimum it is recommended that a "core outcome set" is defined and used in all studies reporting outcomes of esophageal cancer surgery. This will allow meaningful cross study comparisons and analyses to evaluate surgery.

recent evidence that short- and long-term outcomes are improving, esophagectomy remains a procedure associated with major complications and a significant risk of in-hospital death.^{2–4}

Rates of complications after esophagectomy reflect a combination of factors including appropriate selection for surgery, technical expertise, and standards of perioperative care. Accurate measurement of postoperative complications is necessary to allow comparisons between surgeons and centers to be made, to inform data synthesis (eg, meta-analyses) and to provide patients with information for decision making. If outcomes are not accurately defined, measured, and reported, estimates may be misleading resulting in outcome reporting bias. Outcome reporting bias occurs when a subset of originally recorded outcomes are selected for publication on the basis of the results. This may influence the overall recommendations from trials.5 Outcome reporting bias may be avoided by preselecting trial outcomes and ensuring that all are reported, irrespective of the magnitude of effect sizes observed in the final data set as is recommended by the updated CONSORT guidance for reporting standards in randomized controlled trials (RCTs).6

Validated methods of measuring surgical outcomes include the Clavien-Dindo⁷ and Accordion systems, which classify complications according to severity. The Clavien-Dindo classification was first published in 1992 but despite the provision of this valuable resource, which has been updated, it is not widely used leading to poor quality evidence in the surgical literature. In addition, it is not specific for defining and measuring surgical outcomes after esophagectomy.

The aim of this article, therefore, was to summarize reporting of short-term morbidity and mortality in studies of esophageal cancer surgery and to consider methods for standardizing outcome reporting.

METHODS

Search Strategy

The OVID SP version of MEDI INE and the Cochrane Con

(Ann Surg 2012;255:658-666)

Listed them all verbatim

Activities of daily living

Activity level

Anger-Hostility

Anxiety

Appetite loss

Bloating

Bodily pain

Body image

Bowel & bladder function

Bowel habits

Breathing

Choking

Cognitive function

Confusion-Bewilderment

Constipation

Cough

Deglutition

Deglutition disturbances

Depression

Depression-Dejection

Diarrhoea

Diarrhoea/Constipation

Difficulty in swallowing

Domestic environment

Dry mouth

Dumping

Dysphagia

Dyspnoea

Eating

Eating & drinking

Eating restrictions

Eating with others

Emotion

Emotional function

Emotional problems (anxiety)

Emotional well-being

Employment status & finances

Energy

Esophageal cancer scale

Extended family relationships

Fatigue

General Health

Global Evaluations

Global QOL

Global Satisfaction

Global life satisfaction

Hair loss

Health perceptions

Healthcare Orientation

Heartburn

Height

Hoarseness

Indigestion

Information needs

Insomnia

Knowledge / communication

Location of dysphagia

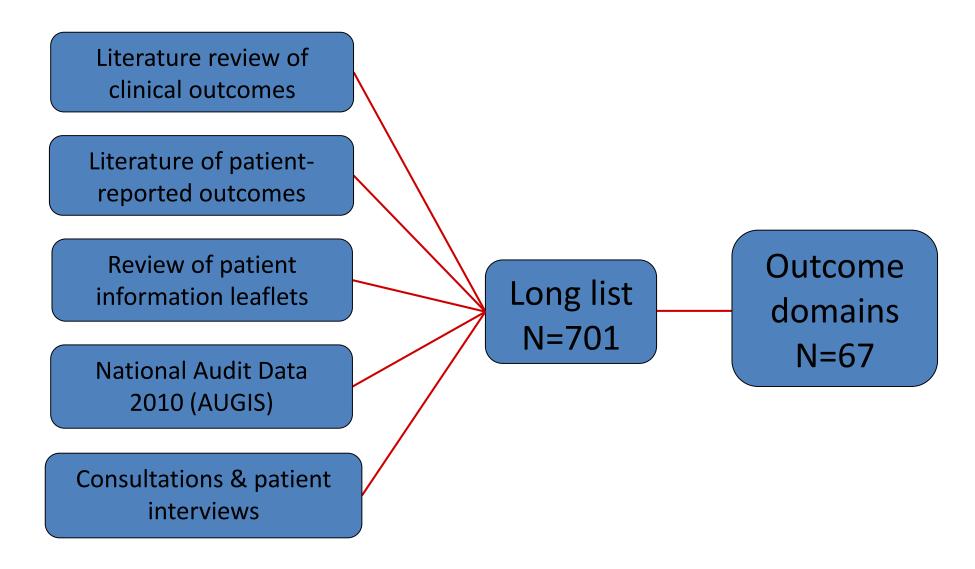
Loss of independence

Loss of weight

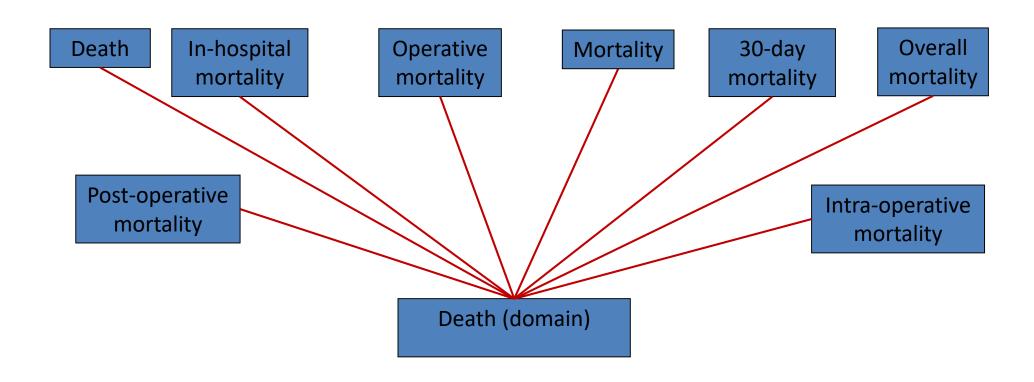
Meal and snack frequency

Medical Treatment

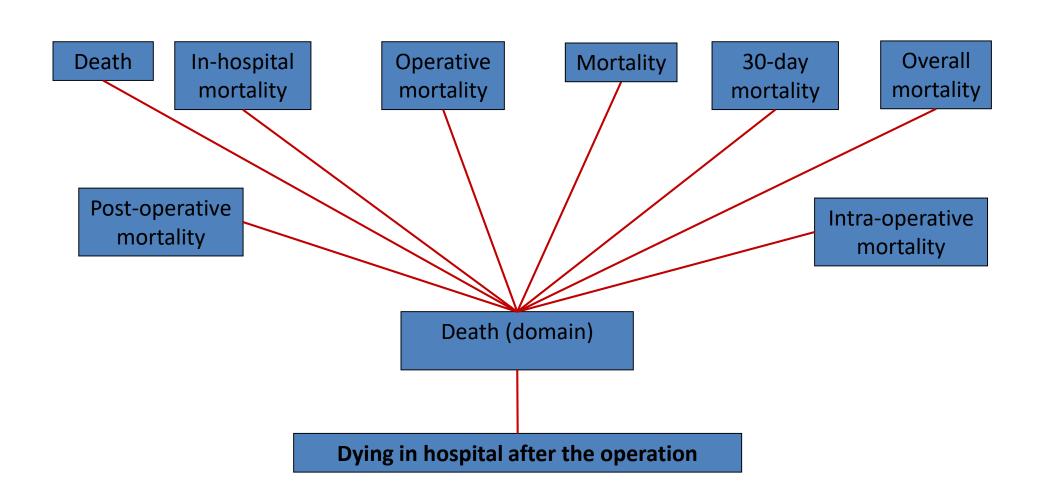
Oesophageal surgery for cancer



An example – outcomes to domain



E.g. Outcomes to domain to item







Why are single items needed?







Conclusions

- Surgical innovation augmentation (simple)
- Heightened time of caution / fiscal control
- Rigorous assessment
- Bristol NIHR BRC evaluation methodology
- Standardised outcome measures in ALL new surgical technology









SBRI Healthcare

Karen Livingstone, National Director SBRI Healthcare







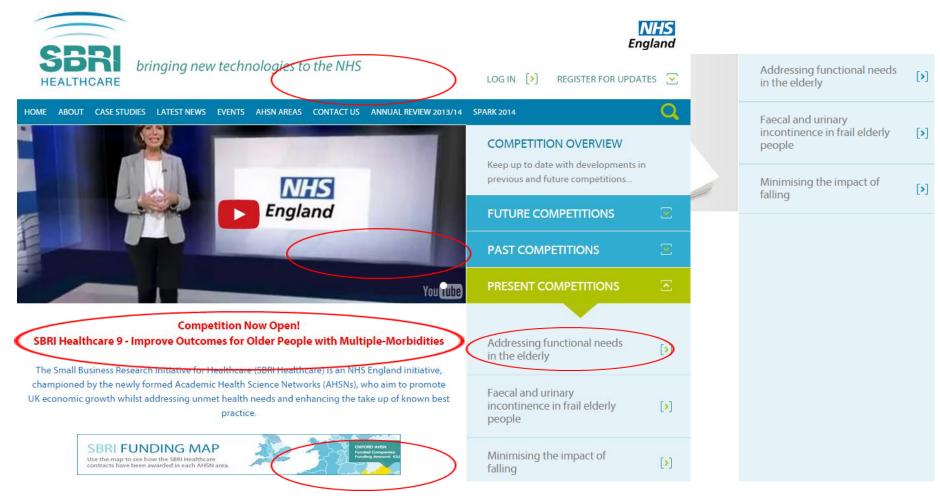
The application process

www.sbrihealthcare.co.uk @sbrihealthcare





Application Process www.sbrihealthcare.co.uk









Home » A-0014

A-0014 (A-0014)				
This submission is in stage A It was last updated at: 06/16/2	ctive Applications with a status of Active 2015 01:55:24 PM.		Progress This submission is 0.0% complete. You still need to: • Complete task "Download of Application Guidance" • Complete task "Application Summary"	
Task	Status	Actions	Complete task "Company Details" Complete task "SBRI Application	
Download of Application Guidance	INCOMPLETE	<u>Start</u>	Form" Complete task "Declaration" Submit	
			Members Nicholas Offer (Owner)	
Application Summary	INCOMPLETE	Start	Add Member	



HEALTHCARE SBRI Application Form



Required fields are noted with an *				
1) Description of Proposed Idea/Technology *				
Please provide a brief description of your proposed idea/technology and how this addresses the customer need, market and patient problems. Include how you plan to engage key stakeholders in Phase 1. Please consider defining the market/patient you plan to address; the implications, size, cost of the problem and market. Outline your solution and how it meets the market/patient needs, including the needs described in the competition category brief, how it could be implemented, cost of doing so and any other matters arising from its adoption. To support this description you may upload an image file by using 'Upload Proposal Document(s)' Task, which is available from the Main Application task menu. (500 word limit)				



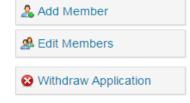


NHS

England



Application Summary	INCOMPLETE	Start
Company Details	INCOMPLETE	<u>Start</u>
SBRI Application Form	INCOMPLETE	<u>Start</u>
Upload Attachment (optional)	PREREQUISITES NOT MET	
Upload 2nd Proposal Document (optional)	PREREQUISITES NOT MET	
<u>Declaration</u>	INCOMPLETE	<u>Start</u>
Submit your application	PREREQUISITES NOT MET	







Assessment Phase Timelines





Assessment Criteria

- 1. What will be the effect of this proposal on the challenge addressed?
- 2. What is the degree of technical challenge? How innovative is the project?
- 3. Will the technology have a competitive advantage over existing/alternate technologies that can meet the market needs?
- 4. Are the milestones and project plan appropriate?
- 5. Is the proposed development plan a sound approach?
- 6. Does the proposed project have an appropriate commercialisation plan and does the size of the market justify the investment?
- 7. Does the company appear to have the right skills and experience to deliver the intended benefits?
- 8. Does the proposal look sensible financially? Is the overall budget realistic and justified in terms of the aims and methods proposed?





Key Points to Remember

- Research and define the market/patient need
- Review the direct competitor landscape and make sure you define your USP
- Consider your route to market, what is the commercialisation plan? Do you know who
 your customer will be, how will you distribute, how much will you charge for the
 product/service?
- How will the project be managed (what tools will you use, how will the team communicate etc)
- Provide a clear cost breakdown
- Make sure you answer all of the questions in sufficient detail
- Try not to use too much technical jargon, sell the project in terms the NHS will understand (outcomes, benefits to patients etc)





Contact Us

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Contact Us

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Any Questions?





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