

# National Innovation Centre

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# Introduction

- Who we are
- What we do
- How and why we operate
  - Pre-Commercial Procurement of Innovation
  - Grant-Making
- What's happening now
- What's going to happen soon



## Who we are

- Funded by Department of Health
- In response to Industry's complaint to Government that the NHS was un-responsive to innovation.
- With current economic climate, Government, NHS and Industry all see innovation as a key driver to improve NHS:
  - Efficiency
  - Effectiveness
  - Quality

## What we do

- We aim to speed-up the development and delivery of innovations likely to benefit the NHS
- We focus on three areas of work
  - Pre-commercial innovation
  - Horizon scanning
  - Metrics

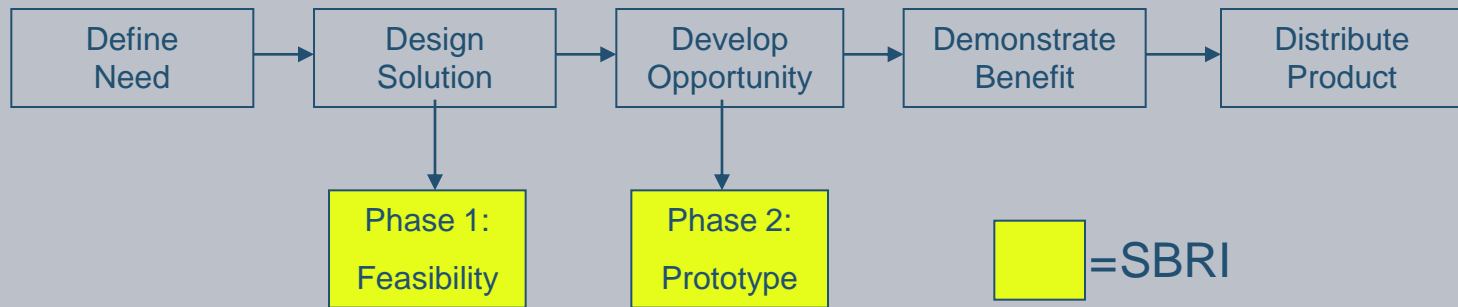
# How and why we operate

- Pre-commercial procurement of innovation
  - Open, fair, transparent web-based processes
  - ISO9001 Accredited
  - Commissioning is crafted and:
    - Contextual
    - Pragmatic
    - Legally compliant
  - Legal Adviser is International Law Firm, Norton Rose
    - EU Competition and Procurement Law
    - State Aid Law
    - Intellectual Property Law

# NIC Innovation Pipeline



*National Innovation Centre*



Phase 1: Proof-of-concept (up to 6 months, maximum value of £20,000). Contract milestones :

- PID (Project Implementation Document)
- Functional Specification report
- Technical Specification report

Phase 2: Prototype (up to 2 years, maximum value £80,000). Contract milestones:

- PID
- Business Plan
- Refinement of Prototype

- Up to 100% funding under commissioned contract
- Intellectual Property rests with contractor (with certain rights of use for the Institute)

## D1: Define the Need

- Wouldn't it be Great If... sessions
- Statement of Clinical Needs Section on NIC website



# National Innovation Centre

- CLINICAL NEED
- COMPETITION
- SCORECARD
- NAVIGATOR
- COLLABORATION
- SHOWCASE

## Clinical Need

### CLINICAL NEED

[MAKE STATEMENT OF CLINICAL NEED](#)

[REGISTER AS A HEALTHCARE PROFESSIONAL](#)

### All Clinical Needs

Topic	Replies	Views	Priority	Close date
<a href="#">Barium impregnated foods required for swallowing assessments</a>	0	39		30/11/2009
<a href="#">Bored to death - Intensive Care Psychological Wellbeing</a>	3	71		30/11/2009
<a href="#">Better Bedpans</a>	1	49		30/11/2009
<a href="#">Mental Health Patients and Ambulance Crews</a>	0	4		30/11/2009

<< Previous 1 - 4 of 4 Next >>

Get Involved!

### Search Clinical Needs

- All Health Problems
- All Patient Groups
- All Aspects of Service
- All Sponsors

Enter Keywords:

- Sort order:
- Most Recent
  - Most Discussed

[Search](#)

Other options

## Statement of Clinical Need (SOCN)

### [CLINICAL NEED](#)

### [MAKE STATEMENT OF CLINICAL NEED](#)

Status: This SOCN is currently Open - in progress

### Barium impregnated foods required for swallowing assessments

Submitted by John Egan on 18/08/2009

Applicability: Nationwide

**Health Problem:** Cancer, ENT and audiology, Gastroenterology and liver diseases, Mental health, Neurological conditions, Stroke, Trauma and orthopaedics

**Patient Group:** Child health, Later life, Learning disabilities

**Aspect of Service:** Emergency and urgent care, Innovation and improvement, Surgery, anaesthesia, perioperative and critical care

Author: Elizabeth Dymond, Trust Innovation Lead, North Bristol NHS Trust

Videofluoroscopic (VF) assessments of swallowing require that an adult or child with swallowing difficulties (i.e. following head and neck cancer, stroke, progressive neurological disorders, traumatic brain injury, spinal injury, dementia, learning difficulties, trauma etc) be assessed with a range of food and fluid consistencies to enable a clinician to determine:

- safety and efficiency of swallowing to sustain oral nutrition and hydration
- to evaluate risk of aspiration (foreign material entering the airway and passing the glottis). Through trials of various consistencies/changes in posture, aspiration may be reduced.

### Vote

Importance:  0  1  2  3  4  5

Change potential:  0  1  2  3  4  5

[Vote](#)

### Other options

[Help](#)

## D2: Define the Solution

- Competitions
  - NIC SBRI
  - NIC Standard, complements SBRI by extending to include
    - wider participation (e.g. sole trader)
    - collaborative R&D
    - Full PCP Pipeline R&D (D1-D5)
    - IP ownership and exploitation rights flexibility



# National Innovation Centre

- CLINICAL NEED
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- PROJECTS
- SHOWCASE

## Nationwide Challenges

If you have an idea for a new innovation that will make a clear and positive contribution to solving one of our Challenges, then we'd like to hear about it. On the Competition section of our website you can find helpful information to help you get started.

Challenge	Status	Contracts available	Contracts taken up
<b>Paediatric Transport Chair</b> Wouldn't it be great if children with profound learning and physical difficulties who have long ter... <a href="#">More Details</a> <small>(opens in new window)</small>	Open Until Further Notice	2 <a href="#">Apply</a>	
<b>Paediatric non-Invasive technologies</b> Wouldn't it be great if there were suitable non invasive technologies (or minimally invasive techno... <a href="#">More Details</a> <small>(opens in new window)</small>	Open Until Further Notice	2 <a href="#">Apply</a>	

### Quick links

- [List of Challenges](#)
- [FAQ](#)

### Narrow your results by applying filters

- All Health Problems
- All Patient Groups
- All Aspects of Service
- Nationwide

Enter Keywords:

[Search](#)



Search

CLINICAL NEED

COMPETITION

SCORECARD

NAVIGATOR

PROJECTS

SHOWCASE

### Nationwide: Paediatric non-Invasive technologies

STEP 1 – BASIC INFORMATION

Complete and submit your thoughts using the form below. If your idea has been developed to the point where it is already in use by the NHS or another market, has been market tested or is a service innovation please don't apply.

STEP 2 – DOWNLOAD YOUR ITT

STEP 3 – UPLOAD YOUR RESPONSE

STEP 4 – SUBMIT YOUR IDEA

1. What is the name of your innovation?

2. Describe what your innovation will do and how it will benefit patients?

3. At what stage of development is your innovation? [more about development stages](#)

#### Your application

##### 2 available contracts

- Funding available plus professionally facilitated workshops and expert advice : £20000
- Funding available plus professionally facilitated workshops and expert advice : £20000

#### Quick links

- [Help](#)
- [List of Challenges](#)
- [FAQ](#)

## D3: Develop the Opportunity

## D4: Demonstrate the Benefits

- Performance Manage Contracted Work
- Web-based tool, providing the following reports:
  - Milestones
  - Risks and Issues
  - Financial
  - Benefits Realisation



Homepage

You are here: My Home

Dr. Michael Wilkinson  
09/10/2009 14:36:07  
Role : PROGRAM SUPPORT EXECUTIVE

- Manage Project
- Monthly Report
- Other Reports
- Risk Register
- Issue Register
- Upload Project Templates
- Manage Contracts

Director PMPT [dropdown] Download

Add New Project

Reports

Search

Status  Active  Closed  Terminated  All

Project Submission Date:

From Date

To Date

Project Title

- ALL
- Administration of Data Up-
- Administration of the Clinic
- Ambulance WBGI

Project Owner

- ALL
- Brian Winn
- Mary Green
- Nigel Sansom

Project Type

- ALL
- Institute: TPI
- Institute: Other
- NIC: Policy

Search

List of Projects

No.Of Records Per Page 5

Project Title	Type	Status	Owner	Submission Date
<a href="#">Ambulance WBGI</a>	Expo	Active	Mary Green	09/07/2009
<a href="#">DH Commercialisation of HCAI Kit</a>	NIC: Operations: IP Development: Development Grant	Active	Mary Green	30/06/2009
<a href="#">NHS Blood &amp; Transplantation Service Donor Chair - D2 Design the Solution</a>	NIC: Operations: IP Development: Development Grant	Active	Mary Green	09/07/2009
<a href="#">Non Invasive Blood Glucose Meter - Phase 2 for Lein Applied Diagnostics</a>	NIC: Operations: IP Development: Development Grant	Active	Mary Green	11/02/2009
<a href="#">Paediatric WBGI EXPO</a>	Expo	Active	Mary Green	09/07/2009

### Project Details

You are here: [My Home](#) >> Project Details

**Dr. Michael Wilkinson**  
 09/10/2009 14:44:56  
**Role : PROGRAM SUPPORT EXECUTIVE**

- Project Details
- [Align To Goals and Objectives](#)
- [Align Project Benefits](#)
- [Planning Tasks](#)
- [Planning Dates](#)
- [Add Risk To Project](#)
- [Add Issue To Project](#)
- [Report Submission](#)
- [Upload Project Documents](#)

Project Title *	NHS Blood & Transplantation Service Donor Chair - D2 Design the Solution	
Project Owner *	Mary Green	▼
Project Submission Date *	09/07/2009	📅
Mission Priority *	High	▼
Project Category	Medical device	▼
Project Status *	Active	▼
Project Type *	NIC: Operations: IP Development: Development Grant ▼	
What is the type of technology? *	Hospital hardware	▼
What is the Project Stage? *	Design the Solution	▼
Project Concept and Brief Description *	D2 Design the Solution for NHS BT Blood Donation Chair	
	Files [0].	<b>Upload</b> <b>SpellCheck</b>
PID	<input type="checkbox"/> Files [0].	<b>Upload</b>
Approved Budget *	0	£ Files [0]. <b>Upload</b>
Monthly Report	<input type="checkbox"/> Files [0].	<b>Upload</b>
Project Related Documents	Files [11].	<b>Upload</b>

### Project Communications

Meetings (0)
 Emails (0)
 Contacts (0)

### Project Reports

Reports (0)
 Documents (11)

**Update Project** **Reset** **Back**

## D5: Diffuse the Innovation

- From successful clinical trial to early and limited volume entry into NHS (ie: up to first 10 in NHS)
- Diffusion Theory
  - Designed to speed take-up from early to mid-adopters
- Nudge Theory
  - Designed to make innovation practice normative

## Innovation Showcase

The aim of the Showcase is to encourage innovation activity across the NHS. Innovations profiled can lie anywhere between proof of concept and those that exist but are new to the NHS, and can be drawn from any discipline.

The examples chosen are not exhaustive of innovative ideas in any given field but are simply exemplars that may deliver measured benefits to both patients and the NHS.

The NIC uses an open, fair and transparent process to select Showcase examples. If you have an innovation that you believe will be of interest, please complete the Scorecard at <http://scorecard.nic.nhs.uk/>

### Search results (1 - 3 of 6)

#### [VNUS Closure](#)

20 March 2009



This clinically proven, minimally invasive procedure treats varicose veins and their underlying cause, venous reflux, quickly and with little or no pain.

### Narrow your results by applying filters

All Health Problems [v]

All Patient Groups [v]

All Aspects of Service [v]

Keyword     Location     Postcode

[input field]

[Filter](#)

### Your quick searches

### Other options

- [Help](#)
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Search

- CLINICAL NEED
- COMPETITION
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- NAVIGATOR
- COLLABORATION
- SHOWCASE

Showcase Home > Non-invasive glucose meter > Benefits

## Non-invasive glucose meter

### KEY FACTS

### BENEFITS

### INNOVATION MAP

### FEEDBACK

### EVIDENCE

### Statistics

The number of people with Diabetes across the globe is estimated at around 246 million (Source: International Diabetes Federation). In the UK, 2.3 million people suffer from the disease (Source: Diabetes UK). Due to the increase in the aging population and the prevalence of obesity these figures are set to grow, almost doubling by 2025 (Source: Diabetes UK). This is a major concern as the NHS is already spending £1m an hour, 10% of its yearly budget, treating Diabetes and its complications (Source: Diabetes UK).

To control their condition, people with Type 1 Diabetes normally test their blood glucose concentration four to five times a day. To do so, they take a blood sample by pricking their finger tip.

Source: <http://www.who.int/diabetes/facts/en/>



### Key benefits

Dispensing with the current method of intrusive blood sampling has human and financial benefits.

The cost savings to the NHS are immense if 'finger stick' testing can be replaced. At present a single-use disposable 'finger stick' is used to draw blood each time the sufferer performs their glucose test. The global finger-stick market is valued at approximately £5.9bn billion per annum and is growing at 10% per annum.

The long term physical and emotional health of Diabetes sufferers can be improved. The already painful, intrusive, inconvenient and unhygienic process can eventually lead to callused fingertips. Also, some patients don't test themselves as often as necessary which can increase their susceptibility to other health problems.

### Additional benefits

Because the device also measures the tear film, ocular lens and

### Other options

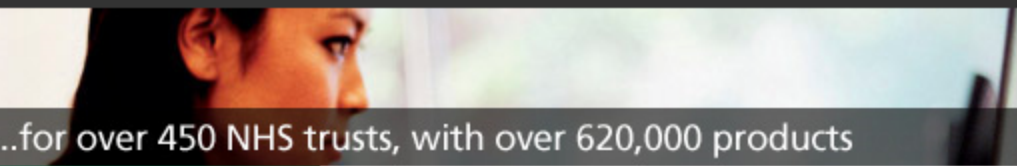
- Help
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- Email to a friend
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- Download page content
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- Share

### See also

[VNUS Closure](#)  
A new way to treat varicose veins

## ...D6: Commercial Procurement of Innovation


- NHS Supply Chain Scorecard
- NIC/Supply Chain Collaboration
  - Designed to 'link-up' Government
  - One port-of-call for industry for innovation
  - Takes innovation from clinical need (D1) to clinical care (D6)




..for over 450 NHS trusts, with over 620,000 products

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- Our services >>
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- Opportunities
- Supplier forum
- Catalogue advertising

For further information:

 +44 (0) 1773 724000

 [Email NHS Supply Chain](#)

[Suppliers](#) > Innovation

## Innovation

NHS Supply Chain is committed to supporting innovation in everything we do. We strive to do this by working alongside clinicians to understand their demand for innovation, and matching demand with availability from suppliers.

### [How do we innovate?](#)

Innovation is at the forefront of NHS Supply Chain's procurement process. This process is supported by our [Task Force programme](#) which exists to obtain clinical product feedback throughout our procurement process. Through the programme we can also ensure that any new/innovative products to market can be assessed as to their suitability and if appropriate can provide a quicker route to supply on a pilot contract. This process also helps us to identify new ways of anticipating product, procurement and logistics needs within the marketplace.



### [How we can assist you to bring innovation to the market place?](#)

We encourage you to tell us about new or innovative products once they are ready for market so that we evaluate them and if deemed innovative, offer them through the Supply Chain. We now have a formalised process to manage supplier innovation. Our new Innovation Scorecard, which has been developed with support from the NHS National Innovation Centre, offers the chance for a product's innovation level to be assessed and considered for a pilot contract.

### [How innovative is your product?](#)

Just a few simple steps to submit your innovation for assessment...



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OCTOBER '09 Catalogue

...coming soon

# What's Happening Now

- Competitions
- Metrics
- Horizon Scanning
- Semantic Web Build

# What's Going to Happen Soon

- Launch of new tools
  - Semantic Search
  - Collaborative Project Management
- UK
  - Contributing to delivery of NHS Innovation Agenda
  - Roll-out of The Key across government departments
- EU/Global
  - Developing links with other interested national/international organisations

Thank You!

Please feel free to contact Michael at:

[Michael.Wilkinson@institute.nhs.uk](mailto:Michael.Wilkinson@institute.nhs.uk)