



Healthcare
Improvement
Scotland

SHTG
Advice on health
technologies

Scottish Health Technologies Group

Health Technology Assessment (HTA) and links to IRIC

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SHTG - Unit Head

NHS
SCOTLAND

- Introduce the Scottish Health Technologies Group (SHTG)
- Describe the role of health technology assessment (HTA)
 - Components of HTA
- Note the importance of working alongside partner groups and organisations
- Recognise the link between SHTG and IRIC
 - Improved information for decision makers
 - Mutual benefits?



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scottish
health
council

making sure
your voice counts

Supports NHS boards and health and social care providers to involve patients and the public in the development of services.



ihub
supporting health
and social care

Helps health and social care providers design and deliver better services for the people of Scotland.



Scottish Intercollegiate Guidelines Network

Develops evidence-based clinical practice guidelines for NHS Scotland.

We are
with one
purpose
improving
the patient
experience

Our
brings
support
care
services
together
This
in
independence
along
with
parts
of
the
country
have
a
shared
purpose

Accepts
medicines
for
use

We are one organisation with many parts and one purpose

Advice
on new
medicines

Death
Certification
Review Service

Advice
on health
technologies

Scottish
Patient Safety
Programme

Standards,
guidelines
and indicators

Making the
public voice
count

Enabling health
and social care
improvement

Global quality
improvement
webinars

Improving
antibiotics use

Inspections
and reviews

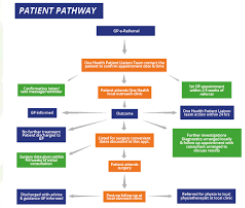


**Healthcare
Improvement
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SHTG
Advice on health
technologies

- SHTG is a national health technology assessment (HTA) agency

- Core team of clinicians, scientists and economists
- SHTG Co-ordinators and representatives from all NHS Scotland boards



- We provide evidence support of new and existing health technologies (devices) and which are likely to have significant implications for people's care



- A health technology is an intervention, health product or service developed to prevent, diagnose or treat medical conditions; promote health; provide rehabilitation; or organize healthcare delivery. The intervention could be a test, device, procedure or patient pathway.

Health Technology Assessment (HTA)

SHTG

A multidisciplinary process that uses explicit methods to assess the value of a health technology (at an agreed point within its lifecycle). The process is comparative, systematic, transparent and involves multiple stakeholders. The purpose is to inform health policy and decision-making to promote an efficient, safe, sustainable, equitable and high-quality health system.

- Systematic evaluation of the properties and effects of a health technology
- Aimed at informing / helping decision-makers
- Largely a scientific process, but increasing need for value judgements
- Stakeholder engagement vital: clinical, patients, industry etc.

Application of HTA – alignment to key groups^{SHTG}

- Range of HTA ‘activities’
 - horizon scanning and trying to identify the ‘right’ topic
 - prioritisation of what to assess
 - assessment of effects and impacts
 - appraisal to determine overall value
 - implementation
- SHTG keen to align to key groups who have an...
 - ...awareness of priority areas and live issues
 - ...ability to affect change.

Topic
identified

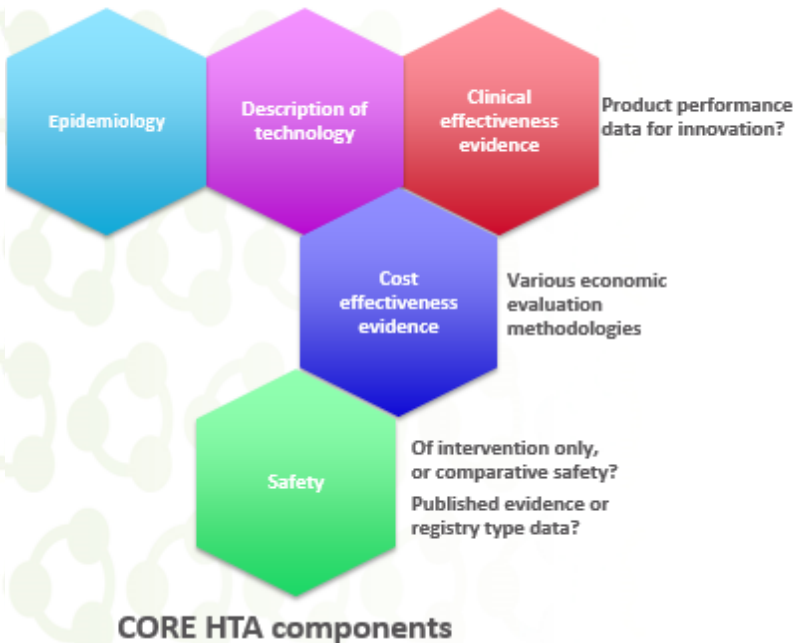


Assessment and
appraisal (SHTG)

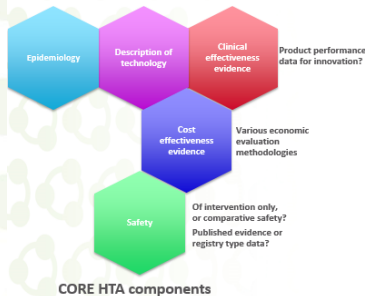


Consideration /
implementation

Health Technology Assessment (HTA) components ^{SHTG}



Where does IRIC fit in?



- Safety as a core HTA component
 - Focus tends to be published safety data
 - Registry type data?
- The IRIC mission is to improve the safety of equipment and facilities in Scotland's health and social care services
 - Adverse incidents
 - Safety alerts.

Example 1: Current work programme – Hernia Mesh^{SHTG}

Under Assessment

Health Technology	Referrer	Planned Outputs	Publication
Cochlear Implantation	NSS	Evidence Synthesis	TBC
Closed System Drug Transfer Device - Cytotoxic Drugs	NHS Forth Valley	Evidence Synthesis	TBC
Hernia Repair Mesh	SG	SHTG Advice	Dec 2019
Stem cell transplant for MS	SG	SHTG Advice	Oct 2019
Synovasure alpha defensin laboratory test	Golden Jubilee National Hospital	SHTG Advice	July 2019
Left Atrial Appendage Occlusion	National Advisory Committee on Heart Disease	SHTG Advice	July 2019
Mitral clip	National Advisory Committee on Heart Disease	SHTG Advice	July 2019
Transcatheter aortic valve implantation (TAVI) for severe aortic stenosis	National Planning Board	SHTG Advice	April 2019

Example 2: Previous assessment – Freestyle Libre^{SHTG}



Alternative to finger prick method of glucose monitoring.

SG / SDG referral

Significant geographic and financial inequality of access

Impact – huge interest / engagement following positive SHTG recommendation



Clinical Effectiveness literature review



Safety (based on literature)



Cost Effectiveness literature review



Economic modelling for Scotland & Budget Impact



Patient Group Submission: Diabetes Scotland



Clinical Expert Group (Linked to MCN)



Industry Liaison

- Systematic evaluation of the properties and effects of a health technology
- Aimed at informing / helping decision-makers
- Largely a scientific process, but increasing need for value judgements
- Stakeholder engagement vital: clinical, patients, industry etc.
- **“Uncertainty is an uncomfortable position. But certainty is an absurd one.”**
 - Comprehensiveness versus time?
 - How important is the uncertainty?
 - Weighting of HTA components?
- IRIC collaboration can only help towards ascertaining the effects of the health technology
- Reduced uncertainty, improved information for decision-makers.

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Keep in touch

SHTG

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