Advice on Health Technologies

Quarterly Bulletin | April 2023

What is the purpose of this bulletin?

This bulletin lists advice and guidance on health technologies published in January to March 2023 by the Scottish Health Technologies Group (SHTG) and also recent health technology assessments (HTAs) undertaken by other HTA agencies across the UK, Ireland and Europe.

It is produced by SHTG to support decision making on the use of health technologies within NHSScotland. You can find out more about the work of SHTG on our website.

What is a health technology?

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

What areas of work are covered this quarter?

- Blood and immune system
- Cancer
- Cardiovascular system
- COVID-19
- Dermatology
- Digestive system
- Ear, nose and throat
- Endocrine, nutritional and metabolic
- Eye
- Genitourinary system
- Health service organisation and delivery

- Infectious diseases
- Injuries, accidents and wounds
- Mental and behavioural disorders
- Musculoskeletal system
- Nervous system
- Obstetrics and gynaecology
- Paediatrics
- Public health
- Respiratory system

Advice and guidance is ordered by area of work or specialty, the full list is at the end of this document.

What advice is NHSScotland required to consider?

The advice and guidance NHS Scotland is required to consider is highlighted in the 'Status' column below.

What next?

Where a technology assessment is relevant to current policy, planning and clinical decisions within NHSScotland and you would like to discuss its application, please email SHTG. If you would like to refer a technology for assessment, please use this request form.

Area of Work / Speciality	Technology Assessment	Agency/ Product	Date Published	Status in Scotland
Blood and immune system	TER441: AI-assisted ultrasounds for the detection of deep vein thrombosis (DVT)	HTW Topic Exploration Report[1]	March 2023	For information only
Cancer	Placental growth factor (PlGF)-based testing to help diagnose suspected preterm pre-eclampsia	SHTG Recommendation[2]	March 2023	**NHSScotland required to consider**
	Consideration of selective internal radiation therapies (SIRT) for treating primary hepatocellular carcinoma (liver cancer)	SHTG Assessment[3]	February 2023	For information only
	GUI044: Photobiomodulation for the prevention and treatment of oral mucositis and radiation dermatitis associated with cancer treatment	HTW Guidance[4]	March 2023	For information only
	TER426: Stereotactic ablative body radiotherapy (SABR) for locally advanced exocrine pancreatic cancer	HTW Topic Exploration Report[1]	January 2023	For information only
	IPG752: Biodegradable spacer insertion to reduce rectal toxicity during radiotherapy for prostate cancer	NICE Interventional Procedures Guidance[5]	February 2023	For information only
	A rapid HTA of gene expression profiling tests for guiding the use of adjuvant chemotherapy in early-stage invasive breast cancer	HIQA Advice[6]	February 2023	For information only
Cardiovascular system	TER435: Cyanoacrylate glue occlusion for varicose veins	HTW Topic Exploration Report[1]	March 2023	For information only

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[1] **HTW Topic Exploration Report:** designed to provide a high-level briefing on new topics submitted for consideration in Wales

[2] **SHTG Recommendation**: Evidence-based recommendations for how the health technology should be used in the Scottish context, developed by a national advisory council in consultation with stakeholders

[3] **SHTG Assessment**: Bespoke reviews of health technologies to inform policy and practice across NHSScotland

[4] **HTW Guidance:** summarises clinical- and cost-effectiveness evidence and implications for the health technology in Wales

[5] **NICE Interventional Procedures Guidance**: covers procedures used for diagnosis or treatment, considers if they are safe and work well enough for wider use in NHS England, Scotland or Wales

[6] **Health Information and Quality Authority (HIQA) Advice**: summarises clinical and cost-effectiveness evidence and implications for the health technology in Ireland

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	TER430: Percutaneous implantation of pulmonary artery pressure sensors for monitoring treatment of chronic heart failure	HTW Topic Exploration Report[1]	February 2023	For information only
	TER434: Electrical stimulation to improve muscle strength and associated outcomes for people with chronic respiratory conditions, chronic heart failure and chronic kidney disease	HTW Topic Exploration Report[1]	February 2023	For information only
	TER427: Liposuction for chronic lymphoedema	HTW Topic Exploration Report[1]	February 2023	For information only
	TER404: Retinal-based AI-enabled tool to triage people at risk of cardiovascular disease	HTW Topic Exploration Report[1]	February 2023	For information only
	TER318: Ambulatory patch electrocardiography monitoring devices used to detect cardiac arrhythmias	HTW Topic Exploration Report[1]	February 2023	For information only
	TER425: Leadless cardiac pacemakers for bradyarrhythmias	HTW Topic Exploration Report[1]	January 2023	For information only
	IPG754: Percutaneous transluminal renal sympathetic denervation for resistant hypertension	NICE Interventional Procedures Guidance[5]	March 2023	For information only
	TER441: AI-assisted ultrasounds for the detection of deep vein thrombosis (DVT)	HTW Topic Exploration Report[1]	March 2023	For information only
COVID-19	International review of the epidemiology of long COVID	HIQA Advice[6]	January 2023	For information only
Dermatology	Bacteriophage therapy for patients with difficult to treat bacterial infections	SHTG Recommendation[2]	February 2023	**NHSScotland required to consider**
	TER410/411: Digital tools for the monitoring and management of wounds.	HTW Topic Exploration Report[1]	February 2023	For information only
	Store-and-forward teledermatology for triage of primary care referrals	SHTG Assessment[3]	February 2023	For information only
Digestive system	MIB317: LIVERFASt for assessing and monitoring liver fibrosis, activity and steatosis	NICE Medtech Innovation Briefing[7]	February 2023	For information only

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[7] **NICE Medtech Innovation Briefing:** offers support for NHS England when considering using new medical devices and other medical or diagnostic technologies.

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	MIB313: PredictSURE IBD for inflammatory bowel disease prognosis: ulcerative colitis	NICE Medtech Innovation Briefing[7]	January 2023	For information only
	IPG753: Endoluminal gastroplication for gastro-oesophageal reflux disease	NICE Interventional Procedures Guidance[5]	March 2023	For information only
	IPG751: Transvenous obliteration for gastric varices	NICE Interventional Procedures Guidance[5]	February 2023	For information only
	IPG749: Laparoscopic insertion of a magnetic ring for gastro-oesophageal reflux disease	NICE Interventional Procedures Guidance[5]	January 2023	For information only
Ear, nose and throat	TER436: Balloon dilation for chronic eustachian tube dysfunction	HTW Topic Exploration Report[1]	March 2023	For information only
	TER301: Active middle ear hearing implants for complex hearing conditions	HTW Topic Exploration Report[1]	January 2023	For information only
	MIB316: Ambu aScope 4 RhinoLaryngo for visualising upper airways during rhinolaryngoscopy	NICE Medtech Innovation Briefing[7]	February 2023	For information only
	MIB314 Ambu aScope 4 Broncho for routine diagnostic and therapeutic bronchoscopy	NICE Medtech Innovation Briefing[7]	January 2023	For information only
Endocrine, nutritional and metabolic	Bacteriophage therapy for patients with difficult to treat bacterial infections	SHTG Recommendation[2]	February 2023	**NHSScotland required to consider**
	MIB320: Macimorelin for diagnosing growth hormone deficiency	NICE Medtech Innovation Briefing[7]	March 2023	For information only
Eye	IPG750 Trabeculectomy with a biodegradable collagen matrix implant for glaucoma	NICE Interventional Procedures Guidance[6]	January 2023	For information only
Genitourinary system	Bacteriophage therapy for patients with difficult to treat bacterial infections	SHTG Recommendation[2]	February 2023	**NHSScotland required to consider**
	TER434: Electrical stimulation to improve muscle strength and associated outcomes for people with chronic respiratory conditions, chronic heart failure and chronic kidney disease	HTW Topic Exploration Report[1]	February 2023	For information only
	MIB315 Aquablation robotic therapy for lower urinary tract symptoms caused by benign prostatic hyperplasia	NICE Medical Technologies Guidance[7]	January 2023	For information only

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Health service organisation and delivery	Store-and-forward teledermatology for triage of primary care referrals	SHTG Assessment[3]	February 2023	For information only
	TER338: Digital companion robots to deliver remote care	HTW Topic Exploration Report[1]	March 2023	For information only
	TER391: Electronic prescribing and medicines administration systems	HTW Topic Exploration Report[1]	February 2023	For information only
	TER360: Co-ordinated treatment or management plans for people with multimorbidities	HTW Topic Exploration Report[1]	January 2023	For information only
	TER371: Clinical decision support software (CDSS) during emergency telephone triage	HTW Topic Exploration Report[1]	January 2023	For information only
	MIB314: Ambu aScope 4 Broncho for routine diagnostic and therapeutic bronchoscopy	NICE Medtech Innovation Briefing[7]	January 2023	For information only
	HTA of Domiciliary Invasive Ventilation for Adults with Spinal Cord Injuries	HIQA Advice[6]	February 2023	For information only
	TER386: Solution-focused assessment tools for improving the management and treatment of people with severe mental illness within secondary mental health services	HTW Topic Exploration Report[1]	February 2023	For information only
Infectious diseases	Bacteriophage therapy for patients with difficult to treat bacterial infections	SHTG Recommendation[2]	February 2023	**NHSScotland required to consider**
Injuries, accidents and wounds	Bacteriophage therapy for patients with difficult to treat bacterial infections	SHTG Recommendation[2]	February 2023	**NHSScotland required to consider**
	TER410/411: Digital tools for the management of wounds	HTW Topic Exploration Report[1]	February 2023	For information only
	HTA of Domiciliary Invasive Ventilation for Adults with Spinal Cord Injuries	HIQA Advice[6]	February 2023	For information only
Mental and behavioural disorders	An assessment of the Feeling Good app	SHTG Assessment[3]	February 2023	For information only
	TER352: Digitally delivered psychological therapies for the treatment of depression	HTW Topic Exploration Report[1]	February 2023	For information only
	TER386: Solution-focused assessment tools for improving the management and treatment of people with severe mental illness within secondary mental health services	HTW Topic Exploration Report[1]	February 2023	For information only

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	MIB318: QbTest for the assessment of attention deficit hyperactivity disorder (ADHD)	NICE Medtech Innovation Briefing[7]	March 2023	For information only
	IPG748: Transcutaneous electrical stimulation of the trigeminal nerve for ADHD	NICE Interventional Procedures Guidance[5]	January 2023	**NHSScotland required to consider**
Musculoskeletal system	Orthotic bracing for the treatment of idiopathic scoliosis in children and young people (<18 years)	SHTG Assessment[3]	January 2023	For information only
	TER396: Remote digital pose estimation for orthopaedic injury or surgery	HTW Topic Exploration Report[1]	March 2023	For information only
	MIB319: BPMpathway for rehabilitation support in joint replacement surgery	NICE Medtech Innovation Briefing[7]	March 2023	For information only
	TER434: Electrical stimulation to improve muscle strength and associated outcomes for people with chronic respiratory conditions, chronic heart failure and chronic kidney disease	HTW Topic Exploration Report[1]	February 2023	For information only
Nervous system	TER317: Single pulse transcranial magnetic stimulation for the acute treatment or prevention of migraines	HTW Topic Exploration Report[1]	March 2023	For information only
	TER429: Stereotactic radiosurgery for trigeminal neuralgia	HTW Topic Exploration Report[1]	February 2023	For information only
	TER432: Gracilis free-functioning muscle transfer (FFMT) to restore upper limb function in brachial plexus injury	HTW Topic Exploration Report[1]	February 2023	For information only
	IPG747: Percutaneous image-guided cryoablation of peripheral neuroma for chronic pain	NICE Interventional Procedures Guidance[5]	January 2023	For information only
Obstetrics and gynaecology	Placental growth factor (PlGF)-based testing to help diagnose suspected preterm pre-eclampsia	SHTG Recommendation[2]	March 2023	**NHSScotland required to consider**
Paediatrics	Bacteriophage therapy for patients with difficult to treat bacterial infections	SHTG Recommendation[2]	February 2023	**NHSScotland required to consider**
	Orthotic bracing for the treatment of idiopathic scoliosis in children and young people (<18 years)	SHTG Assessment[3]	January 2023	For information only

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Public health	TER407: <u>Personal SOS alarm wearables for vulnerable and/or older people</u>	HTW Topic Exploration Report[1]	February 2023	For information only
	TER406: <u>Passive monitoring technologies to support the independence of older adults living alone</u>	HTW Topic Exploration Report[1]	January 2023	For information only
Respiratory system	<u>Bacteriophage therapy for patients with difficult to treat bacterial infections</u>	SHTG Recommendation[2]	February 2023	**NHSScotland required to consider**
	TER431: <u>Ex-vivo lung perfusion for advanced pulmonary disease</u>	HTW Topic Exploration Report[1]	February 2023	For information only
	TER440: <u>Smart inhalers for people with asthma and other respiratory conditions</u>	HTW Topic Exploration Report[1]	February 2023	For information only
	TER428: <u>Endoscopic balloon dilation for subglottic or tracheal stenosis</u>	HTW Topic Exploration Report[1]	February 2023	For information only
	<u>HTA of Domiciliary Invasive Ventilation for Adults with Spinal Cord Injuries</u>	HIQA Advice[6]	February 2023	For information only
	TER434: <u>Electrical stimulation to improve muscle strength and associated outcomes for people with chronic respiratory conditions, chronic heart failure and chronic kidney disease</u>	HTW Topic Exploration Report[1]	February 2023	For information only

Acknowledgements

Area of work categorisation list

Blood and immune system	Cancer	Cardiovascular System
Caring for older people	COVID-19	Dermatology
Digestive system	Ear, nose and throat	Endocrine, nutritional and metabolic
Eye	Genitourinary system	Health service organisation and delivery
Infectious disease	Injuries, accidents and wounds	Learning disability
Mental and behavioural disorders	Mouth and dental	Musculoskeletal system
Nervous system	Obstetrics and gynaecology	Paediatrics
Palliative care	Patient experience	Physical disability
Public health	Respiratory system	