Advice on Health Technologies

Quarterly Bulletin | April 2024

What is the purpose of this bulletin?

This bulletin lists advice and guidance on health technologies published in January 2024 to March 2024 by the Scottish Health Technologies Group (SHTG) and 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
- Caring for older people
- Digestive system
- Ear, nose and throat
- Eye
- Health service organisation and delivery
- Injuries, accidents and wounds
- Mental and behavioural disorders
- Musculoskeletal system
- Nervous system
- Paediatrics
- Respiratory system
- Social care

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 NHSScotland is required to consider is highlighted in the 'Status' column in the table 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 / Uploaded	Status in Scotland
Blood and Immune System	GUI056 Liposuction for the treatment of chronic lymphoedema	HTW guidance	March 2024	For information only
	TER486 Kitelock 4% in the prevention of central line catheter associated bloodstream infection and blood clots	HTW Topic Exploration Report	March 2024	For information only
	TER508 Optical sensor devices for the detection of infiltration and extravasation of intravenous fluid	HTW Topic Exploration Report	January 2024	For information only
Cancer	GUI053 Low energy contact X-ray brachytherapy (CXB) for the treatment of early stage rectal cancer	HTW guidance	January 2024	For information only
	GUI011-2 Robot-assisted thoracic surgery	HTW guidance	January 2024	For information only
	TER486 Kitelock 4% in the prevention of central line catheter associated bloodstream infection and blood clots	HTW Topic Exploration Report	March 2024	For information only
	TER482 Computer-assisted diagnostic tools for thermographic images to assist in diagnosis of malignant breast lesions	HTW Topic Exploration Report	March 2024	For information only
	TER516 Circulating tumour DNA tests for T790M mutations in non-small cell lung cancer	HTW Topic Exploration Report	January 2024	For information only
	Artificial intelligence supported clinician review of chest x-rays from patients with suspected lung cancer	SHTG Innovative Medical Technology Overview	March 2024	NHSScotland required to consider
	An assessment of local anaesthetic biopsies of suspicious laryngeal and pharyngeal lesions	SHTG Assessment	February 2024	NHSScotland required to consider
	Colon capsule endoscopy (CCE) for the detection of colorectal polyps and cancer	SHTG Innovative Medical Technology Overview	February 2024	NHSScotland required to consider
Cardiovascular System	IPG782 Temperature control to improve neurological outcomes after cardiac arrest	NICE Interventional Procedures Guidance	January 2024	For information only
	DG57 Artificial intelligence (AI)-derived software to help clinical decision making in stroke	NICE Diagnostics guidance	January 2024	For information only

Area of work/ Speciality	Technology Assessment	Agency/ Product	Date Published / Uploaded	Status in Scotland
	IPG780 Intravascular lithotripsy for calcified arteries in peripheral arterial disease	NICE Interventional Procedures Guidance	January 2024	For information only
Caring for older people	DG57 Artificial intelligence (AI)-derived software to help clinical decision making in stroke	NICE Diagnostics guidance	January 2024	For information only
Digestive System	TER486 Kitelock 4% in the prevention of central line catheter associated bloodstream infection and blood clots	HTW Topic Exploration Report	March 2024	For information only
	IPG783 Endoscopic sleeve gastroplasty for obesity	NICE Interventional Procedures Guidance	February 2024	For information only
	Colon capsule endoscopy (CCE) for the detection of colorectal polyps and cancer	SHTG Innovative Medical Technology Overview	February 2024	NHSScotland required to consider
Ear, nose and throat	IPG781 Pharyngeal electrical stimulation for neurogenic dysphagia	NICE Interventional Procedures Guidance	January 2024	For information only
	An assessment of local anaesthetic biopsies of suspicious laryngeal and pharyngeal lesions	SHTG Assessment	February 2024	NHSScotland required to consider
Eye	TER515 Optical coherence tomography angiography for detection and diagnosis of vascular diseases of the eye	HTW Topic Exploration Report	January 2024	For information only
Health service organisation and delivery	TER518 Community based respiratory care services for people with chronic respiratory conditions	HTW Topic Exploration Report	March 2024	For information only
	TER481 Advanced paramedic practitioners	HTW Topic Exploration Report	January 2024	For information only
	DG57 Artificial intelligence (AI)-derived software to help clinical decision making in stroke	NICE Diagnostics guidance	January 2024	For information only
	Artificial intelligence supported clinician review of chest x-rays from patients with suspected lung cancer	SHTG Innovative Medical Technology Overview	March 2024	NHSScotland required to consider
	An assessment of local anaesthetic biopsies of suspicious laryngeal and pharyngeal lesions	SHTG Assessment	February 2024	NHSScotland required to consider
	Review of national rare disease strategies in selected countries	HIQA Other Evidence Synthesis	February 2024	For information only
Injuries, accidents and wounds	GUI056 Liposuction for the treatment of chronic lymphoedema	HTW guidance	March 2024	For information only
	GUI051 Digital tools for the monitoring and management of wounds	HTW guidance	January 2024	For information only
	TER481 Advanced paramedic practitioners	HTW Topic Exploration Report	January 2024	For information only

Area of work/ Speciality	Technology Assessment	Agency/ Product	Date Published / Uploaded	Status in Scotland
Mental and behavioural disorders	HTE17 Digital health technologies to help manage symptoms of psychosis and prevent relapse in adults and young people: early value assessment	NICE Health Technology Evaluation	March 2024	For information only
Musculoskeletal system	TER517 Orthotic bracing for the treatment of idiopathic scoliosis in children and young people	HTW Topic Exploration Report	March 2024	For information only
	TER513 Slot-scanning, biplanar X-ray imaging (EOS imaging systems) for spine and lower limb conditions and orthopaedic surgery	HTW Topic Exploration Report	March 2024	For information only
	HTE16 Digital technologies for managing non-specific low back pain: early value assessment	NICE Health Technology Evaluation	March 2024	For information only
Nervous system	IPG781 Pharyngeal electrical stimulation for neurogenic dysphagia	NICE Interventional Procedures Guidance	January 2024	For information only
	IPG782 Temperature control to improve neurological outcomes after cardiac arrest	NICE Interventional Procedures Guidance	January 2024	For information only
Paediatrics	GUI046 Intensive Family Preservation Programmes (IFPP) for families in crisis	HTW guidance	March 2024	For information only
	GUI047 Video feedback interventions to improve communication within family relationships and support children at risk	HTW guidance	March 2024	For information only
	TER486 Kitelock 4% in the prevention of central line catheter associated bloodstream infection and blood clots	HTW Topic Exploration Report	March 2024	For information only
	TER517 Orthotic bracing for the treatment of idiopathic scoliosis in children and young people	HTW Topic Exploration Report	March 2024	For information only
	HTE17 Digital health technologies to help manage symptoms of psychosis and prevent relapse in adults and young people: early value assessment	NICE Health Technology Evaluation	March 2024	For information only
Respiratory system	TER518 Community based respiratory care services for people with chronic respiratory conditions	HTW Topic Exploration Report	March 2024	For information only

Area of work/ Speciality	Technology Assessment	Agency/ Product	Date Published / Uploaded	Status in Scotland
	TER511 Artificial intelligence for the diagnosis of chronic obstructive pulmonary disease at point-of-care	HTW Topic Exploration Report	March 2024	For information only
	Artificial intelligence supported clinician review of chest x-rays from patients with suspected lung cancer	SHTG Innovative Medical Technology Overview	March 2024	NHSScotland required to consider
Social Care	GUI046 Intensive Family Preservation Programmes (IFPP) for families in crisis	HTW guidance	March 2024	For information only
	GUI047 Video feedback interventions to improve communication within family relationships and support children at risk	HTW guidance	March 2024	For information only

Acknowledgements

Glossary

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

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

SHTG Innovative Medical Technology Overviews: summarises emerging evidence surrounding new and innovative technologies.

SHTG Assessment: bespoke reviews of health technologies to inform policy and practice across NHS Scotland

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

NICE Diagnostics Guidance: evaluates new, innovative diagnostic technologies. It includes all types of measurements and tests that are used to evaluate a patient's condition

Health Information and Quality Authority (HIQA) Other evidence synthesis: other evidence synthesis includes systematic reviews, rapid reviews, scoping review and other types of analysis

NICE Health Technology Evaluation: rapid assessment of digital products, devices and diagnostics (also known as Early Value Assessment, or EVA). Provides guidance on value of a technology and recommendations for use whilst further evidence is generated.

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	Infections	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	Renal system
Respiratory system		