Report

Recommendations but no action: improving the effectiveness of quality and safety recommendations in healthcare

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Patient safety themes

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About this report

Independent report published by the Health Services Safety Investigations Body and arm's-length body (ALB) members of the Recommendations to Impact Collaborative Group.

Executive summary

Background

Quality and safety recommendations are made to the healthcare system as a mechanism to drive improvements and/or mitigate an identified patient safety risk. These recommendations are made by many different stakeholders both within the healthcare system and outside of it, and can be directed towards any level of the healthcare system, for example national organisations or individual providers. This report distinguishes between recommendations and regulatory actions or requirements, the latter being outside of the scope of this work.

The intention of all such recommendations is to improve outcomes for people who use healthcare services and for staff working within healthcare. However, the sheer number being made and the variance in their quality means that they can be a burden to an already pressured healthcare system which is expected to digest, prioritise, pay for and implement actions in relation to them. This can lead to a lack of action in response to recommendations which means the improvement does not happen or the patient safety risk can remain.

This report is an output of the work commissioned by the Department of Health and Social Care (DHSC). At a meeting of the Arm's-Length Body (ALB) Chief Executives and Chairs in November 2022, areas where joint work between DHSC's ALBs would be valuable were identified. A series of workstreams were set up as a result.

Dr Rosie Benneyworth, the Chief Executive Officer of HSSIB, agreed to Chair the workstream on how ALBs and DHSC can better manage risks that the system is facing. This became known as the Recommendations to Impact Collaborative Group (referred to here as 'the group') and has been meeting virtually and at in-person workshops since March 2023. The group is a collection of organisations and individuals, including a panel of international academics and experts in collaborative governance and the role of evidence in developing policy. The purpose of these meetings is to look at ways in which to increase collaboration and efficiencies in how safety recommendations made to the healthcare system are developed, made and implemented.

This report is now being published by HSSIB on behalf of all ALBs who are part of this group.

The following organisations and individuals have contributed to this work:

Academy of Medical Royal Colleges	NHS Confederation
Care Quality Commission	NHS England
Department of Health and Social Care	NHS Providers
National Institute for Health and Care Excellence	NHS Resolution
Health Research Authority	National Quality Board
Human Fertilisation and Embryology Authority	Parliamentary and Health Service Ombudsman
Human Tissue Authority	The Health Innovation Network
Maternity and Newborn Safety Investigations	The Patient Safety Commissioner
Medicines and Healthcare products	UK Health Security Agency
Regulatory Agency	Academic panel of international experts in patient safety, governance and policy
National Guardian's Office	

	Provider representatives from acute and mental health trusts
NHS Blood and Transplant	

This report sets out the findings to date from this work and proposals for further work in this area.

Findings

- Failure to implement actions following recommendations can impact public confidence in the healthcare system and compound harm to patients.

- The 'noise' created by the significant volume of recommendations being made to the healthcare system means that providers struggle to prioritise and implement recommendations, concentrating on those which are addressed directly to the provider, or where there are immediate patient safety risks.

- Some recommendations duplicate or contradict others. The development of a searchable repository which includes recommendations made across the healthcare system may help to reduce this.

- It may reduce the 'noise' and help with prioritisation if organisations refer to each other's recommendations, or group together in support of one organisation's recommendation rather than repeating it. The development of an agreed system to identify recommendations for cross-referencing would assist this.

- There is currently a lack of visibility of ongoing work across arm's length bodies that would enable collaborative working on related workstreams. A searchable repository of ongoing work may assist this.

- Recommendations differ in terms of the evidence on which they are based, and their structure and language. This can affect their relevance and how they are interpreted.

- It is unclear how some recommendations are intended to impact the patient, which should be a key consideration in their development where possible.

- Most recommendations made to the healthcare system are not costed, either in relation to the cost of implementing the proposed actions or their longer-term cost effectiveness. This may affect providers' ability to implement them and means there is a lack of information to support prioritisation decisions.

- Some recommendations may be of limited relevance to certain providers and could promote inequalities by negatively impacting certain patient groups if

implemented. However, providers can feel they are not empowered to reject recommendations, especially those related to safety.

- Few recommendations require a formal response from the recipient organisation, and there is a lack of monitoring of the actions planned or taken to address recommendations. A monitoring system could help to track actions and identify opportunities for escalation where changes have not been made.

The Recommendations to Impact Collaborative Group recommend further work in this area to develop:

- guidance on the creation and implementation of recommendations

- a proposal for a repository for recommendations

- a proposal for a repository for ongoing workstreams

- a proposal for a monitoring system with a multi-agency board feeding into the Department of Health and Social Care to provide oversight and a route of escalation for recommendations that are not implemented.

Introduction

The Recommendations to Impact Collaborative Group (referred to in this report as 'the group') has been meeting virtually and at in-person workshops since March 2023. The purpose of these meetings is to look at ways in which to increase collaboration and efficiencies in how safety recommendations made to the healthcare system are developed, made and implemented. This work started by looking specifically at recommendations made by ALBs but it was soon recognised that to get the greatest impact from this work it was necessary to include recommendations made by other organisations. The group has therefore engaged with non-ALB organisations who make recommendations to try and ensure that the work being done in this area is widely applicable. The group also acknowledges that while this report is focussed on healthcare systems the learning is relevant across the wider health and care system.

Quality and safety recommendations are made to the healthcare system to improve the quality of care and reduce the risk of unintended harm to patients. They are distinct from regulatory actions or requirements, which state that an organisation 'must' do something, and instead highlight a risk or change which can be acted upon.

In 2019 an academic paper (Oikonomou et al, 2019) identified that there are more than 126 organisations 'who exert some regulatory influence on NHS provider organisations in addition to 211 Clinical Commissioning Groups' (see appendix A). Since this paper was published the healthcare landscape has changed considerably but the complexity remains.

The problems with recommendations

The group first sought to 'diagnose the problem' in relation to recommendations, and then move towards consideration of next steps to help improve the situation. The following is an analysis of discussions and workshops undertaken by the group.

Volume

Healthcare providers told the group that they were being "swamped" by the number of recommendations being made by many different organisations, and that implementation of all such recommendations was not possible or in some cases desirable. These recommendations were in addition to regulatory actions, which must be completed. Some providers described having received hundreds of recommendations which had been made by various organisations and said that it was difficult to know where to start with implementation. They also highlighted that some recommendations duplicated or conflicted with others, making it difficult for providers to know which ones to implement. The 'burden' of recommendations on providers was recognised by the investigation into maternity and neonatal services in East Kent, as was the risk that making additional recommendations 'would inevitably repeat those made previously, or conflict with them, or both' (Kirkup, 2022).

The group discussed the need for organisations to take a more pragmatic approach so that they avoid repetition, by referring to a similar recommendation made by another organisation, or grouping together to support one organisation's recommendation rather than repeating it. The development of an agreed system to identify recommendations was also discussed, to create a simpler and more joined-up process for cross-referencing recommendations.

Sometimes recommendations are made to healthcare organisations that contradict with previous recommendations. The group identified that silo working (that is, organisations and/or the teams delivering workstreams working in isolation) was one cause of this. For example, it is not uncommon for different arm's length bodies (ALBs) to be undertaking investigations or reviews within related areas of healthcare without knowledge of each other's work. The group considered that a searchable repository (central online store) of ongoing work within ALBs would enable collaborative working on related workstreams, which may reduce duplication of recommendations and avoid contradictory recommendations. The group plans to develop a proposal for the creation of such a repository while keeping in mind the need to avoid additional administrative burden.

The group recognised that ALBs were just one set of organisations feeding recommendations into the healthcare system. Many recommendations are made by organisations with no statutory responsibility to do so. In some other industries, recommendations made by those without statutory authority may not be implemented. However, in the healthcare sector organisations are reluctant to not take action on recommendations because of the repercussions for patients and a desire to improve patient safety wherever possible.

The 'noise' created by a significant volume of recommendations has been recognised by other industries and has led to organisations such as the Air Accidents Investigation Branch (AAIB) changing their approach. The AAIB told the group that during the 1980s and 1990s it would produce hundreds of recommendations, many of which were quite direct in their language and the actions they expected organisations to take. It has since changed its philosophy on recommendations and now highlights the risk and outcome without specifying the solution, as the recipient is often best placed to develop this. Also, recommendations made previously which have been rejected are not repeated unless there is additional evidence to support them; in such cases the recommendation is reworded to reflect this.

Making reference to previously made recommendations is possible in the aviation sector, as there are repositories of recommendations that have been made across the sector which hold most of the recommendations for future reference.

NHS England has developed a [National Recommendations Register for Maternity and Neonatal Services](#), which is available from its FutureNHS platform. This repository includes 708 recommendations from 'published national maternity and neonatal reports and audits' and allows users to search these by care setting. The development of this resource over a number of years by NHS England is recognition

of the need for visibility of recommendations made. Similarly, the Health Quality Improvement Partnership, which commissions and contract manages the National Clinical Audit and Patient Outcome Programme (NCAPOP) has developed [a publicly available recommendations repository](#). This includes recommendations made in reports published by the NCAPOP. It was developed following feedback from trusts on the recommendations 'burden' they were experiencing. Most recently, the Grenfell Tower Inquiry: Phase 2 Report (2024) recommends for the government to maintain a publicly accessible record of recommendations made by select committees, coroners and public inquiries together with a description of the steps taken in response.

However, there is currently no repository which includes recommendations made across the wider healthcare system, which the group considered would be useful. The group is therefore developing a proposal for such a repository.

Development

The group found that because recommendations were being made by so many different organisations, the robustness of the evidence on which they were based, and the structure and language used, differed. This meant that individual providers had to interpret the recommendations, which they often did differently, potentially creating inconsistency. The intended meaning of the recommendation could also be lost if the wording was unclear.

Some recommendations made were also unclear as to the intended impact on the patient or whether there was consideration of the patient when the recommendation was drafted. The group agreed that a "line of sight" to the patient should be a key consideration in the development of recommendations.

In recognition of the inconsistency of recommendations the NHS England Patient Safety Team has developed a framework for the creation of recommendations. This structure uses the acronym CREATED SMART (see appendix b), a variation on the commonly used SMART approach, to highlight the components of and considerations for a recommendation. The idea is that this is to be used across NHS England for the development of recommendations. While uptake at this time is variable, it has been built into the framework for how the NHS England Patient Safety Team commissions independent investigations. Other organisations in the group used SMART or aspects of this framework to develop recommendations, while others used collaborative working groups or human factors principles (which focus on the interaction between people and the elements of the system in which they

work). Some of the principles used overlapped but there was no consistent approach across the organisations in the group to the development of recommendations.

A consistent theme across the group's discussions was the importance of taking a collaborative approach to the creation of recommendations. Some reports and national inquiries deliver recommendations at the point of publication without prior engagement with the intended recipients. The group learned that approaches to collaboration differed across ALBs but there was strong agreement that involving the intended recipient in the development of recommendations was the right approach.

The advantages of this were cited as including:

- assurance that the correct recipient had been identified with the remit to effect change
- it enables the opportunity to learn from mitigations which may have already been explored by the recipient
- it can improve the response to recommendations as they have been co-created
- it promotes a sense of 'with, not to', and
- it helps to ensure that the recommendation is realistic and within "the art of the possible".

The importance of co-development of recommendations was said to be the same for those made at different levels of the healthcare system. For example, one trust told the group that recommendations following internal investigations were sometimes made by the investigator in isolation. This meant that the recommendation may not be practicable or realistic for the recipient team or department.

It was also highlighted that some recommendations that are made across the healthcare system may not be relevant for every provider. The group heard that some recommendations may have a negative impact on certain patient groups and drive inequality by shifting the focus of efforts and funds to an area which is not relevant to the patient population served by that provider. The group discussed this

challenge and whether the providers felt, or should be, empowered to be able to reject recommendations which were not relevant to their patient population. Barriers to rejecting such recommendations included:

- it could be viewed negatively by staff and/or the public if an organisation did not implement something that was badged as an improvement to services or patient safety

- the provider being seen as defensive, or not being open and transparent.

Again, collaborating on and co-designing recommendations, and/or testing them, may be opportunities to identify unintended consequences.

A consistent structure and approach for use by accredited organisations exists in relation to National Patient Safety Alerts (NHS England, n.d.). However, these alerts are not recommendations but required actions. The development of an agreed approach and structure for recommendations, which can be used across different organisations, is something the group is currently working on.

Implementation and cost

Recommendations can only be effective if actions are implemented, and sustained. The group learned that due to the challenges associated with the volume and development of recommendations, it is not possible for providers to implement all the recommendations they receive. Instead they have to consider how to prioritise actions in response to recommendations.

Putting the onus on providers to prioritise the implementation of one recommendation over another has an impact on patients, carers and families, not only in relation to the safety and quality of care in future but also for those who have experienced a patient safety incident and want to see change through recommendations. This can compound the harm experienced and damage public confidence in the healthcare system. Additionally, the group heard about moral injury (psychological harm) caused to NHS staff where recommendations were not implemented and patient harm continued to occur.

In recognition of the challenge of prioritising recommendations, NHS Resolution has developed and piloted a tool to prioritise recommendations in emergency medicine, the support of which has been a focus of the group. Details of this work are included below, with additional information available from the [Royal College of Physicians 'Commentary' magazine](#).

Case study: Recommendation to Implementation Emergency Medicine Tool

The Recommendation to Implementation (R2I) Emergency Medicine Tool prototype was designed with the overarching aim of supporting the healthcare system to provide high-quality, safe emergency care. Developed in collaboration with relevant royal colleges and arm's length bodies, the tool consolidates the 21 recommendations from three emergency medicine thematic reviews published by NHS Resolution (2022). This served as a pilot for a digital recommendations tool, with the ambition that this could be scaled up and broadened to other areas of clinical recommendations in future.

The R2I Emergency Medicine Tool provides an overview of recommendations on a single screen, supporting clinicians and clinical leaders making decisions about prioritisation, tracking implementation, and managing the risk associated with recommendations. The objective was to enhance time efficiency in clinical practice, enabling emergency department staff to concentrate on delivering high-quality care and prioritise quality improvements.

The tool was launched in October 2023 at NHS Resolution's Emergency Medicine Conference and subsequently piloted with ten trusts across England. The participating trusts were asked to assess the tool's design, functionality and how the completed tool was used alongside existing information within their departments. A follow-up survey was sent to the trusts and a virtual meeting was convened to conduct semi-structured interviews with trust staff to explore feedback further.

Key themes arising from the feedback on the pilot tool include:

Time savings: individuals found that the tool was easy to use once completed and saved them time in terms of tracking and implementing recommendations.

Design and functionality: individuals found that the tool was easy to use, facilitated useful discussions at all levels of the trust and provided the opportunity to integrate the tool with local action plans and risk registers. It was suggested this could be further enhanced in further development of the tool.

Impact: The tool facilitated a collective understanding of departmental risks at a local level and aligned these to national risks and risk mitigation plans. It helped to provide board oversight, assisting governance arrangements and early indications suggest these discussions could lead to clinical improvement for patient safety.

NHS Resolution will be exploring the opportunity to develop and expand this tool further, with support of the Royal Colleges and the Recommendations to Impact Collaborative Group.

As well as having to prioritise recommendations, providers must consider the cost of implementing actions to address recommendations. Such costs might include new documentation, technology or training in addition to the staffing resources to implement these actions. The group found that the cost of implementing such actions was not routinely considered as part of the development of recommendations by ALBs. One reason was that organisations who make recommendations do not always specify which actions should be taken to address an issue, as there may be multiple options available. This causes a challenge in how the organisation making the recommendation might cost these.

The result of not costing recommendations is that those recommendations which align with existing funding streams are more likely to be prioritised and actions put in place. In addition, several members of the group considered that recommendations which follow a particular political priority are more likely to lead to implementation due to public perception, political will and, in some cases, additional funds and resources to support associated actions. Examples heard by the group included the emphasis placed on the actions from the independent review of maternity services at the Shrewsbury and Telford Hospital NHS Trust, and the drive and financial support to implement Martha's Rule.

Cost/benefit analysis is undertaken by some ALBs (such as the National Institute for Health and Care Excellence) but others (CQC and HSSIB, for example) do not complete such analyses when considering recommendations.

The group recognises the challenge of not costing recommendations as an area that requires greater exploration, as is the associated resource that organisations need to be able to complete this work, such as the use of health economists.

Monitoring and oversight

Some bodies which feed into the healthcare system require the recipient of recommendations to provide a response. These include national inquiries, HSSIB and coroners (in the form of Prevention of Future Deaths reports). Other organisations do not require or expect a response to recommendations made and most do not monitor or follow up on whether actions have been implemented as a result of the recommendation.

Indeed, even for recommendations which do require a response, such as those listed above, there is usually no process for monitoring or tracking what happens after the response is made, such as the actions taken. The lack of monitoring of such actions means it is not clear whether implementation has taken place, or, importantly, whether the actions have resulted in the required improvement to patient care. Such monitoring would also inform our understanding of what types of actions lead to positive change for patients.

The group heard that to patients, families or carers responses to recommendations can feel cold and defensive when for them the learning and change are aligned to the human impact which led to the recommendation. Additionally, the lack of monitoring of actions in response to recommendations can compound these feelings, affecting faith in the healthcare system.

The Parliamentary and Health Service Ombudsman undertook a survey of complainants to understand their perspective in relation to recommendations made following complaints about healthcare. Less than 40% of respondents prioritised a compensation payment as of high importance, while more than 80% felt that revising procedures to prevent the recurrence of the issue was of high importance. However, where there is inaction following a recommendation this can compound the harm caused. For example, the group engaged with a family who had experienced a coroner's inquest following the death of their son, aged 22 months. At the conclusion of the inquest the coroner wrote a Prevention of Future Deaths report to six national bodies highlighting concerns. As is required, responses were received from these organisations. The family found these to be 'generic' and felt they were passing responsibility to another agency. Overall the family described being 'extremely disappointed' with the responses. Also, they had not realised that there was no mechanism to challenge a response to the coroner, should it be considered lacking or if it states that no changes will be made.

The House of Commons Justice Committee recognised this monitoring and implementation gap as part of its work on a follow-up inquiry into the Coroner Service. It stated that it would like to see 'a cross-sector board within each sector overseen by the relevant Department of State, tasked with oversight and analysis of all relevant PFDs [Prevention of Future Deaths reports] and responses' (Neill, 2024).

There is limited monitoring of implementation all the way through the healthcare system, including at government level, as evidenced by the recent reports of The Thirlwall Inquiry (2024) and the Expert Panel of the Health and Social Care Committee (2024).

Calls for the development of a structure for monitoring and oversight are not limited to healthcare. They have also been made in relation to deaths in state detention (Inquest, n.d). In addition, volume 1 of the recently published report of the Infected Blood Inquiry (2024) refers to the need for post inquiry scrutiny of the responses to, and potential implementation of, the recommendations made as a mechanism of accountability for the recipients of those recommendations. The creation of a monitoring structure and accountability mechanism for the implementation and evaluation of actions taken would be in line with established Safety Management System principles (Health Services Safety Investigations Body, 2023). Additionally, it would demonstrate a firm and public commitment to a learning culture following recurrent gaps in the implementation of recommendations designed to improve the safety of patients.

The group will explore and draft a proposal for a monitoring system with a multi-agency board which would feed into the Department of Health and Social Care to provide oversight and a route of escalation for recommendations when no actions have been implemented. In creating this proposal the group will consider the role which patients, families and carers could have on this board.

Impact

The group heard that the impact on patients of actions taken following a recommendation is not commonly known by the organisations that make recommendations, and few organisations have systems in place to try and identify such impact. All members of the group recognised the growing importance of being able to understand the impact of recommendations, to identify whether the actions taken in response to the recommendation have been effective. If they have not

been effective there is then an opportunity to explore why and whether the recommendation needs to be redirected (to another organisation), reworded or reconsidered.

One challenge in relation to assessment of impact is that there may be some distance between the recommendation recipient and the actions being undertaken in healthcare services. There was recognition that balancing the reporting burden on healthcare providers with the need for assurance was difficult. Local 'ownership' of recommendations (by integrated care boards) was discussed as they are well placed to gather information about the implementation of actions, including those which span multiple providers and pathways, and the impact on patients within local providers. However, it was recognised that this was an aspiration rather than current practice. It was clear that ensuring accountability for the implementation of actions in response to national recommendations would require building the capacity to do so where required (locally within integrated care boards or nationally within organisations, or separately).

A first step towards the assessment of impact, discussed by the group, could be the inclusion of metrics within the wording of recommendations to indicate how impact is to be measured. This will be considered as part of the development of an agreed recommendations approach and structure, as discussed above.

Next steps

The current situation in relation to recommendations is untenable The lack of structure around the creation and implementation of recommendations as well as the lack of monitoring of actions means that many are not improving patient care while continuing to burden providers. A recommendation is designed to improve care and the group want to develop processes which can be used across organisations to improve the quality of recommendations, reduce the 'noise', enable collaboration with recommendation recipients, and ensure implementation of actions can be monitored. These are significant tasks and the development of these processes are likely to require further detailed work to fully understand the recommendations landscape, the culture surrounding recommendations and how recommendations move through the healthcare system.

The Recommendations to Impact Collaborative Group recommend further work in this area to develop:

- guidance on the creation and implementation of recommendations

- a proposal for a repository for recommendations

- a proposal for a repository for ongoing workstreams

- a proposal for a monitoring system with a multi-agency board feeding into the Department of Health and Social Care to provide oversight and a route of escalation for recommendations that are not implemented.

The group recognises the importance of the issues being explored and how working together across the healthcare landscape can lessen the burden on providers, and others in the healthcare system, while still highlighting safety risks present across the system.

Due to the complexity of the healthcare system there may be other relevant work underway or being scoped that is not linked to the group's work. The group welcomes further information that might be relevant from any source.

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Appendix A: Organisations with regulatory influence in the healthcare landscape

This diagram maps the 126 organisations, plus clinical commissioning groups, that exert some regulatory influence over healthcare providers (Oikonomou et al, 2019).

Service Regulators

Care Quality Commission (CQC), NHS Improvement , United Kingdom Accreditation Service (UKAS), Human Fertilisation and Embryology Authority, Health and Safety Executive (HSE), Environment Agency (EA), NHS Resolution, The Coroners' Society of England and Wales, Human Tissue Authority (HTA), Medicines and Healthcare products Regulatory Agency (MHRA)

Professional Regulators

General Medical Council (GMC), General Dental Council (GDC), General Chiropractic Council (GCC), General Optical Council (GOC), General Osteopathic Council (GOsC), General Pharmaceutical Council (GPhC), Health and Care Professions Council (HCPC), Nursing and Midwifery Council (NMC)

National Commissioning Groups (CCGs)

On average NHS Trusts deal with five CCGs.

The regulators

NHS TRUST

Information and standards

National Institute for Health and Care Excellence (NICE), UK National Standards Body - British Standards Institution (BSI), International Organization for Standardization (ISO), Office for Standards in Education (OFSTED), Ionising Radiation (Medical Exposure) (IR(ME)R) , Health Education England (HEE), NHS Digital, National Joint registry (NJR), National Confidential Inquiry into Patient Outcome and Death (NCEPOD), British Cardiovascular Society (BCS), Institute of Physics and Engineering in Medicine (IPEM).

Professional Peer Review and Quality Improvement

Healthcare Safety Investigation Branch, National Cancer peer review and Quality Improvement Network System, National Diabetes peer review (DQuINS)/ Diabetes Quality Improvement Network System, National Stroke Peer Review (NSPR)/ Stroke Quality Improvement Network System, National Trauma Peer Review (NTPR)/ Trauma Quality Improvement Network System, National Social Care Research Ethics Committee, United Kingdom Ethics Committee Authority (UKECA), UK Forum on Haemoglobin Disorders, Healthcare intelligence and quality improvement services (CHKS), College Centre for Quality Improvement (CCQI), NHS Regional Quality Assurance Service, Improving Quality in Physiological Services programme (IQIPS), Healthcare Quality Improvement Partnership (HQIP),

Advisory Groups

Healthwatch England, Confidentiality Advisory Group (CAG),The National Young People's Mental health Advisory Group, Healthcare Science Advisory Group, Public Health Advisory Committees , Patient Advisory Forum (PAF), , Nursing and Midwifery Advisory Group (HEEAG) , Allied Health Professionals (AHP) advisory group , Dental advisory group, Medical Advisory Group, Pharmacy Advisory Group, Health Services Advisory Group (HSAG), Advisory Group on Ionising Radiation (AGIR), Health Premium Incentive Advisory Group (HPIAG), INVOLVE public participation group , Administration of Radioactive Substances Advisory Committee, Joint Advisory Group of Endoscopy (JAG), Advisory Group on contraception (AGC), Gene Therapy Advisory Committee (GTAC), Clinical Pharmacology Special Interest Group, Committee on Mutagenicity of Chemicals in Food, Consumer Products and the Environment.

Royal Colleges

Royal College of Physicians of London, Royal College of Psychiatrists, Faculty of Dental Surgery, Faculty of Public Health, Royal College of General Practitioners, Royal College of Anaesthetists, Royal College of Obstetricians and Gynaecologists, Royal College of Radiologists, Faculty of Occupational Medicine, Royal College of Surgeons of England, Royal College of Emergency Medicine, Royal College of Ophthalmologists, Royal College of Pathologists, Royal College of Paediatrics and Child Health, Faculty of Pharmaceutical Medicine, Faculty of Sport and Exercise Medicine (UK), Faculty of Intensive Care Medicine, Faculty of Sexual and Reproductive Health, Faculty of Forensic and Legal Medicine

Professional Associations

British Psychological Society (BPS), Chartered Society of Physiotherapy, College of Paramedics, College of Optometrists, Professional Standards Authority for Health and Social Care, British Society for Haematology , British Geriatrics Society, Royal Society of Medicine British Institute of Radiology (BIR), British Society of Echocardiography (BSE), Joint Accreditation Committee (JACIE), Institute of Biomedical Science (IBMS), Association for Paediatric Palliative Medicine, Association of Paediatric Emergency Medicine, British Academy of Childhood Disability, British Association for Adoption and Fostering (BAAF), British Association for Child and Adolescent Public Health (BACAPH), British Association for Paediatric Nephrology, British Association of Community Child Health (BACCH), British Association of General Paediatrics (BAGP), British Association of Paediatricians in Audiology (BAPA), British Association of Paediatric Surgeons (BAPS), British Association of Perinatal Medicine (BAPM), British Congenital Cardiac Association (BCCA), British Inherited Metabolic Disease Group (BIMDG), British Paediatric Allergy Immunology and Infection Group (BPAIIG), British Paediatric and Adolescent Bone Group (BPABG), British Paediatric Neurology Association (BPNA), British and Irish Paediatric Pathology Association (BRIPPA), British Paediatric Respiratory Society (BPRS), British Society for Paediatric and Adolescent Rheumatology (BSPAR), British Society for Paediatric Dermatology (BSPD), British Society for Paediatric Endocrinology and Diabetes (BSPED), British Society for Paediatric Gastroenterology, Hepatology and Nutrition (BSPGHAN), Paediatric Mental Health Association (PMHA), College of Medicine , Paediatric Oncology Shared Care Unit (POSCU), Paediatric Intensive Care Society (PICS), Surgical Review Corporation (SRC), Clinical Genetics Society, Children's Cancer and Leukaemia Group (CCLG), UK Psychological Trauma Society (UKPTS), Paediatric Chronic Fatigue Syndrome/MR Special Interest Group, British society for genetic medicine (BSGM), Institute of Healthcare Engineering and Estate Management (IHEEM)

Organisations with regulatory influence

Appendix B: The CREATED SMART approach

Cost/Benefit – The cost of implementing recommendations should be justified by the benefits. While full economic may not be feasible, those creating recommendations have a duty to ensure what they are proposing is proportionate to the issue at hand.

Reasoned – Recommendations should arise from a logical flow from the findings of an investigation/review/inquiry to analysis and reasoning, with the link between the recommendation and the causal factors made explicit.

Effective – Recommendations should be effective in reducing the risk of the harm they are designed to address, if implemented as intended. Assessment of effectiveness may draw from published evidence of direct relevance to the issue, or from an understanding of patient safety science and error theory.

Accidental impacts – Recommendations should be assessed for the risk of accidental or unintended consequences, as any change in complex healthcare systems has the potential to create new risks. The recommendation should be accompanied by clear instructions for mitigating any risks identified.

Together – Recommendations should be developed together with experts in the relevant patient safety issue/clinical area. Critically this includes experts by experience – patients and the public with lived experience whose insight is treated as equal to that of those with learned expertise – as well as the organisations and individuals who the recommendation is targeted at.

Equalities – Recommendations should be assessed for any equalities impact to assess if the recommendation will reduce inequalities and certainly not adversely affect protected groups or widen health inequalities.

Duplicative – The recommendation should not duplicate existing recommendations or recommend existing work unless there is a strong justification for doing so, such as highlighting that previous recommendations are yet to be implemented and a risk therefore persists. In these circumstances, consideration should be given to why the previous recommendation has not been implemented and the new recommendation should take account of those factors. Existing work should be referenced in the main body of the report rather than as a recommendation.

Specified – Recommendations should be clear in terms of who they are directed at and what the recommendation requires.

Measurable – Recommendations should be worded to enable measurement of whether they have been achieved; measurement in this context means that objective evidence that the recommendation has been met could be provided.

Achievable – Recommendations should be achievable for the organisation/team expected to deliver them, rather than expect them to act in ways that are not within their power or remit. If the recommendation is likely to require new financial resources, rather than a shift in existing resources away from other priorities, it should be directed at a funding organisation rather than a delivery organisation.

Realistic – Recommendations need to reflect an understanding of the context into which they will be introduced, both in terms of the political, policy and service considerations but also the level of priority the recipient is likely to be able to give them.

Timebound – Recommendations should have a definable end point within a reasonable period. This does not need to equate to a set completion date but recommendations should not simply be 'ongoing'. Defining a reasonable timeline for a recommendation should involve discussion with the target of the recommendation (see 'Together').