

6.3 Patient safety surveillance systems	International review of patient safety surveillance systems January 2024Star Butler Care	https://www.who.int/publications/m/item/2024-star-butler-care	Report	Health Information and Quality Authority	In summary, this international review highlights the considerable variation in place across countries in relation to patient safety surveillance systems. It is a review of the literature and investigation of patient safety systems for risk profiling and early warning systems. Incidents need to be combined with other quality and patient safety sources of information. In Ireland, as highlighted by the Q&A, there is currently no single agency or body with overall line of sight at a national level in relation to the coordination of patient safety intelligence.	English	Free	
6.3 Patient safety surveillance systems	Root Cause Analysis: Responding to a Sentinel Event	https://www.jointcommission.org.uk/~/media/2024-01-24-root-cause-analysis-responding-to-a-sentinel-event	Report	Ugimott Nursing Center	Adverse events, including sentinel events, require comprehensive review to improve patient safety and reduce healthcare errors. These adverse events require a structured approach for root cause analysis and comprehensive review of the event to enable appropriate identification of opportunities for improvement. Use of RCA is described in the home care setting.	English	Free	
6.3 Patient safety surveillance systems	Understanding benchmarking: RCN guidance for nursing staff working with children and young people	https://www.rcn.org.uk/~/media/2024-01-24-understanding-benchmarking-rcn-guidance-for-nursing-staff-working-with-children-and-young-people	Report	Royal College of Nursing	This Royal College of Nursing (RCN) document explains how benchmarking can support the development of best practice, and how you can develop benchmarks for your area of clinical practice. This guidance is aimed at nursing staff working with children and young people.	English	Free	
6.3 Patient safety surveillance systems	Safety Culture Assessment: Improving the Survey Process	https://www.jointcommission.org.uk/~/media/2024-01-24-safety-culture-assessment-improving-the-survey-process	Tool	The Joint Commission	The Joint Commission uses organizations to establish a safety culture that factors trust in reporting unsafe conditions to ensure high patient care. A project recently completed by The Joint Commission addressed how to improve the assessment of safety culture during surveys.	English	Free	6.1
6.4 Patient safety research programmes	Patient safety research: a guide for developing training programmes	https://www.who.int/publications/m/item/2024-star-butler-care	Guidance	WHO	This guide is a comprehensive document that provides guidance to educators for the development of training programmes in this important, but not well known, field of research. This guide addresses research for change or research for improvement – a form of translational and applied research that seeks to improve patient safety based on sound methodology.	English	Free	
6.4 Patient safety research programmes	Global Priorities for Patient Safety Research: Better Knowledge for Safer Care	https://www.who.int/publications/m/item/2024-star-butler-care	Guidance	WHO	WHO Patient Safety brought together a working group of research experts from around the world to focus on identifying research priorities in developing, transitional and low-income countries. This work, published in May 2020, provides a crucial focus and starting point for global research into patient safety. The identification of these priorities enables a more collaborative global approach, focusing attention that can be applied in different countries and thus avoiding duplication of research. Although priorities differ in different parts of the world, there is considerable overlap in priorities between developing countries and countries in transition.	English	Free	
6.4 Patient safety research programmes	Patient safety assessment manual, second edition	https://www.who.int/publications/m/item/2024-star-butler-care	Manual	WHO	The Patient safety assessment manual is a component of the WHO Patient Safety Friendly Hospital Initiative. The manual integrates different standards that are directly related to the recommended WHO patient safety interventions and challenges. These standards define the patient safety domains, indicators and management, patient and public involvement, safe evidence-based clinical practice, safe environment and lifelong learning. The manual is intended to provide health care professionals with practical guidance on how to identify patient safety gaps at the hospital level.	English	Free	
6.4 Patient safety research programmes	Summary of the Evidence on Patient Safety Implications for Research	https://www.who.int/publications/m/item/2024-star-butler-care	Report	WHO	The aim of the report was to summarize existing research on patient safety and to set priorities on that basis. The group identified specific clinical outcomes (such as health care-associated infections), underlying structural problems (such as lack of a trained workforce) and procedural mechanisms (such as poor communication between clinicians) that contribute to unsafe care. On the basis of the epidemiology of patient safety and expert opinions, the group identified 22 topics that have a substantial impact on the safety of medical care and asked experts to describe how each issue affects patient safety.	English	Free	
6.4 Patient safety research programmes	Centre for Quality Improvement & Patient Safety	https://cqips.co.uk	Webpage	Centre for Quality Improvement & Patient Safety	The webpage of the centre for quality improvement and patient safety.	English	Free	
6.4 Patient safety research programmes	Centre for Patient Safety Research (Columbia)	https://www.patient-safety-research.org/columbia	Webpage	Columbia University	Webpage of the Center for Patient Safety Research at Columbia University.	English	Free	
6.4 Patient safety research programmes	High Quality and Safe Care - Wolfson Centre for Applied Health Research	https://highqualityandsafecare.org/research/whats-on	Webpage	High Quality and Safe Care - Wolfson Centre for Applied Health Research	The webpage the high quality and safe care research group within the Wolfson Centre for Applied Health Research.	English	Free	
6.4 Patient safety research programmes	Armstrong Institute for Patient Safety and Quality	https://www.armstronginstitute.org/our-research	Webpage	Armstrong Institute	Webpage of the Armstrong Institute at Johns Hopkins.	English	Free	
6.4 Patient safety research programmes	NIHR Patient Safety Translational Research Centre	https://www.pstresearch.org.uk/about-us	Webpage	Imperial College London	The webpage of the NIHR Patient Safety Translational Research Centre at Imperial College.	English	Free	
6.4 Patient safety research programmes	NIHR King's Patient Safety and Service Quality Research Centre	https://www.kings.ac.uk/healthcare/quality-research-centre	Webpage	Imperial College London	The webpage of the NIHR King's Patient Safety and Service Quality Research Centre at King's College London.	English	Free	
6.4 Patient safety research programmes	NIHR Greater Manchester Patient Safety Translational Research Centre (Greater Manchester PTSC)	http://www.patient-safety-research.org/greater-manchester-ptsc	Webpage	The University of Manchester	The webpage of the NIHR Patient Safety Translational Research Centre at the University of Manchester.	English	Free	5.1
6.5 Digital technology for patient safety	Plan of Action for Strengthening Information Systems for Health 2023-2033	https://www.who.int/publications/m/item/2024-star-butler-care	Action plan	WHO	This document presents the Plan of Action for Strengthening Information Systems for Health 2023-2033, which contains strategic lines of action and tools to support implementation of the 2030 Agenda for Sustainable Development. Its purpose, moreover, is to guide health institutions in the Member States to advance toward meeting the targets of the Sustainable Health Agenda for the year 2033-2035, especially targets 6.1 and 6.2, in alignment with other government initiatives such as open government and e-government.	English, Portuguese, Spanish, French	Free	
6.5 Digital technology for patient safety	Health IT and Patient Safety: Building Safer Systems for Better Care	https://www.who.int/publications/m/item/2024-star-butler-care	Book	Institute of Medicine	ICM's 1999 landmark study To Err is Human estimated that between 44,000 and 98,000 lives are lost every year due to medical errors. This call to action has led to a number of efforts to reduce errors and provide safe and effective health care. Information technology (IT) has been identified as a way to enhance the safety and effectiveness of care. In an effort to catalyze the implementation, the U.S. government has invested billions of dollars toward the development and meaningful use of effective health IT.	English	39.99 - 48 dollars	
6.5 Digital technology for patient safety	A Framework for Selecting Digital Health Technology	https://www.who.int/publications/m/item/2024-star-butler-care	Framework	Institute of Healthcare Improvement	The intent of this 30-day PH Innovation Project, conducted in the summer of 2023, was to use for health technology innovations that will provide the greatest value to health systems working to achieve the SDG Targets. The Triple Aim is a framework developed by the Institute for Healthcare Improvement (IHI) that describes an approach to optimizing health system performance to improve the lives of populations, the experience of patients, and the health of the workforce. The project focused on three dimensions of the Triple Aim: 1) improving the patient experience of care; 2) improving the health of populations; and 3) reducing the per capita cost of health care.	English	Free	
6.5 Digital technology for patient safety	Improvement leaders' Guide Technology to improve service	https://www.who.int/publications/m/item/2024-star-butler-care	Guidance	WIS	This guide is a practical approach to enabling technology to be used to benefit your patients, your colleagues and you. This guide is for anyone in the NHS or social care who would like improve services and care for users and patients.	English	Free	
6.5 Digital technology for patient safety	Safely implementing health information and emerging technologies	https://www.jointcommission.org.uk/~/media/2024-01-24-safely-implementing-health-information-and-emerging-technologies	Guidance	The Joint Commission	The overall safety and effectiveness of technology in health care ultimately depend on its human users. Ideally working in close concert with properly designed and installed electronic systems. Any form of technology may adversely affect the quality and safety of care if it is not designed, implemented, or maintained properly. Not only must the technology or device be designed to be safe, it must also be operated safely within a safe workflow process. This provides guidance on how to address this.	English	Free	
6.5 Digital technology for patient safety	Safe use of health information technology	https://www.jointcommission.org.uk/~/media/2024-01-24-safe-use-of-health-information-technology	Guidance	The Joint Commission	This alert builds upon Sentinel Event Alert #62 on safely implementing health information and converging technologies (published in 2006) to take a broader look at health IT, particularly the socio-technical factors having an impact on its safe use. This alert's reported actions center on safety culture, process improvement and leadership.	English	Free	
6.5 Digital technology for patient safety	Ethics and governance of artificial intelligence for health	https://www.who.int/publications/m/item/2024-star-butler-care	Guidance	WHO	The report identifies the ethical challenges and risks with the use of artificial intelligence of health, its consensus principles to ensure it works to the public benefit of all countries. It also contains a set of recommendations that can ensure the governance of artificial intelligence for health maintains the promise of the technology and holds all stakeholders – in the public and private sector – accountable and responsive to the healthcare workers who will rely on these technologies and the communities and individuals whose health will be affected by its use.	English	Free	
6.5 Digital technology for patient safety	SARF Guides	https://www.healthcare.gov/our-initiatives/sarf-guides	Guide	The Office of the National Coordinator for Health Information Technology	The SARF Guides consist of four guides organized into three broad groups. These guides enable healthcare organizations to address EHR safety in a variety of areas. The guides identify recommended practices to optimize the safety and safe use of EHR. The content of the guides can be explored here, at the links below, or interactive PDF versions of the guides can be downloaded and completed locally for self-assessment of an organization's degree of conformance to the Recommended Practices. 7	English	Free	
6.5 Digital technology for patient safety	Electronic Health Records: Manual for Developing Countries	https://www.who.int/publications/m/item/2024-star-butler-care	Manual	WHO	This manual has been designed as a basic reference for use when exploring the development and implementation of Electronic Health Record (EHR) systems. It provides a general overview, some basic definitions and examples of EHR practices. Also covered are points for consideration when moving towards the introduction of an EHR, some issues and challenges which may need to be addressed and some possible strategies, along with steps and activities to implementation. There is a particular focus on setting goals, setting policies, developing an action plan and evaluating implementation procedures.	English	Free	
6.5 Digital technology for patient safety	Electronic Health Record Systems: Definitions, Evidence, and Practical Recommendations for Latin America and the Caribbean	https://publications.who.int/publications/m/item/2024-star-butler-care	Recommendations	Inter-American Development Bank	This document uses the available evidence to provide policy makers and other stakeholders with general insights about EHR systems. The first section summarizes the potential and promise of EHR systems for LAC, the second section reviews definitions of EHR systems and their key features, the third section reviews the evidence on the benefits of EHR systems based on the existing evidence, the fourth section describes the key challenges related to implementing EHR systems, and the fifth section proposes practical recommendations to support successful implementations of EHR systems at scale in LAC.	English, Spanish	Free	
6.5 Digital technology for patient safety	Technology in the NHS: Transforming the patient's experience of care	https://www.longfund.org.uk/~/media/2024-01-24-technology-in-the-nhs	Report	The King's Fund	This review builds on current work in this area and aims to improve the uptake of useful consumer-facing technology in health care by evaluating the main barriers to adoption and suggesting measures to overcome them. We begin by describing an 'ideal scenario' for the use of health care technology and reviewing the conditions likely to be most favourable for the adoption of technology. Chapter 2 of the report analyses the factors that influence the adoption of technology, and Chapter 4 goes on to identify the most important barriers to adoption. Chapter 5 sets out our recommendations for overcoming these barriers and improving the adoption of technology.	English	Free	4.1
6.5 Digital technology for patient safety	Management of Patient Information: Trends and Challenges in Member States	https://www.who.int/publications/m/item/2024-star-butler-care	Report	WHO	This, the final report in the Global Overview for Health Series, assesses the results of the survey module that dealt with the patient information. It examines the adoption and use of patient information systems in Member States and reviews data standards and legal protection for patient data. The survey results – provided by WHO regions, World Bank income groups, and globally – showed that electronic information systems are being increasingly adopted within health settings. The report concludes with an overview of key Member States can take to facilitate the implementation of patient information systems.	English	Free	
6.5 Digital technology for patient safety	Global strategy on digital health 2020-2025	https://www.who.int/publications/m/item/2024-star-butler-care	Strategy	WHO	The global strategy on digital health builds on resolutions adopted by the United Nations General Assembly and the World Health Assembly,3 related WHO global and regional reports, regional strategies, the two-part report of the SD Technical Committee on health information in health action, the resolution on ICT-3 and the WHO Framework of International Classification and Terminologies, the three-part National health strategy toolkit, Member States' current digital health situation and status, actions, strategies, policies and investments, and recommendations of various United Nations panels on digital and innovation topics.	English	Free	
6.5 Digital technology for patient safety	Future of digital health systems: report on the WHO symposium on the Future of digital health systems in the European Region (Copenhagen, Denmark, 6-8 March 2024)	https://www.who.int/publications/m/item/2024-star-butler-care	Symposium Report	WHO	The aim of this Symposium was to develop priorities for public health action to accelerate the adoption of digital health in countries and to help to develop a European roadmap for the digitalisation of national health systems by sharing country experience and exploring how digital health and emerging innovations are used to strengthen national health systems.	English, Polish	Free	
6.5 Digital technology for patient safety	National eHealth Strategy Toolkit	https://www.who.int/publications/m/item/2024-star-butler-care	Toolkit	WHO	The Toolkit provides a framework and method for the development of a national eHealth vision, action plan and monitoring framework. It is a resource that can be applied at all government and public management and implementation levels. It is a practical, comprehensive, step-by-step guide, directed chiefly towards the most relevant government departments and agencies, particularly ministries of health and ministries of information technology and communication.	English, Arabic	Free	
6.5 Digital technology for patient safety	Video: Safe use of Health Information Technology	https://www.jointcommission.org.uk/~/media/2024-01-24-video-safe-use-of-health-information-technology	Webinar	The Joint Commission	This is a webinar, held by the Joint Commission, which builds upon Sentinel Event Alert 54: Safe Use of Health Information.	English	Free	
6.5 Digital technology for patient safety	Harmonising technology and innovation	https://www.who.int/publications/m/item/2024-star-butler-care	Webpage	WIS	The major work programmes mapped out in this Plan are underpinned by an agreed, linked and phased NHS technology plan, building on the recommendations of the Wadsworth review. It will simplify patient access to care, in the most appropriate location, whilst supporting people in managing their own health.	English	Free	
6.5 Digital technology for patient safety	Health IT feedback and inquiry Portal	https://www.healthit.gov.uk/support/feedback	Website	The Office of the National Coordinator for Health Information Technology	This website compiles evidence, look, and case examples to help prepare organizations for problems associated with implementation and use of electronic health records.	English	Free	