l'm not a robot



Risk management in healthcare is a complex set of clinical and administrative systems, processes, procedures, and reporting structures designed to detect, monitor, assess, mitigate, and prevent risks to patients. Currently, the numerous risk management practices and processes that occur in healthcare organizations are a response to The Institute of Medicine's ("IOM") report entitled "To Err is Human: Building a Safer Health System." This activity reviews the evaluation of risks and highlights the interprofessional team's role in managing and minimizing risks in the healthcare setting. in risk management. Outline why risk management is important to clinical practice. Review how an interprofessional team can work together to mitigate risk and improve outcomes. Access free multiple choice questions on this topic. Risk management in healthcare is a complex set of clinical and administrative systems, processes, procedures, and reporting structures designed to detect, monitor, assess, mitigate, and prevent risks to patients. Currently, the numerous risk management practices and processes that occur in healthcare organizations are a response to The Institute of Medicine's ("IOM") report entitled "To Err is Human: Building a Safer Health System."[1]In the report, the IOM noted that approximately 98,000 people die in any given year from medical errors while in the hospital. As a result of the report, Congress enacted the Patient Safety and Quality Improvement Act ("PSQIA") of 2005 (hereafter referred to as "The Act").[2]Legal commentators reviewed the impact of The Act and articulated several of its key principles and responsibilities.[3] These duties include: Provision for the certification of Patient safety Organizations ("PSO's") Collection and dissemination of the development of consensus among healthcare providers, patients, and other interested parties concerning patient safety and recommendations to improve patient safetyProvision of technical assistance to states in developing standardized methods for data collection and data collection from state reporting systems for inclusion in the patient safety database. The fundamental goal of this act was to increase the nation's overall patient safety by encouraging confidential and voluntary reporting of adverse events that affected patients. Policymakers theorized that the systematic collection of medical-error data could achieve improved patient safety. The awareness of such error-data by health care providers and administrators would lead to the prevention of errors and the global reduction of their recurrence.[4] Relevant Definitions Sentinel Event: Defined by the Joint Commission as "a patient safety event that results in death, permanent harm, or severe, temporary harm" (The Joint Commission 2017). These events are typically unrelated to the patient's illness/underlying condition. It is important to note that the Joint Commission requires each accredited organization to establish its own definition for a sentinel event, review, and respond to these occurrences. Medical Error: The failure of a planned action to be completed as intended or using a wrong plan to achieve an aim.[1] In the context of this article, medical errors may fall under the definition of sentinel events if the error is severe enough. Root Cause Analysis: The process for identifying the basic or causal factor(s) underlying variation in performance. Also systemic problems in patient safety and care. Risk Management: Clinical and administrative activities undertaken to identify, evaluate, and reduce the risk of loss to the organization itself (The Joint Commission 2017). Why Is This Important To Clinical Practice? The healthcare system is made up of individual players, but its ultimate goals of patient care and safety are accomplished through teamwork. Likewise, when medical errors occur, though they may result from an individual's actions, the appropriate next steps fall on the institution to identify, learn from, and improve on the prevention of such events. policy changes, not individual performances, to progress. For example, consider an emergency room triage system that primarily relies on color-coded wristbands to stratify patients. When given a red wristband, this signifies to a healthcare provider that a patient needs immediate medical care. A white wristband may signify that there is no real urgency, etc. Many hospitals utilize such systems to manage a hectic emergency department efficiently.[5]Imagine that a real estate conference is being held in a busy downtown. Attendees are required to wear a purple wristband for admission to the event. At one point in the evening, a 65-year-old conference attendee with a significant medical history for hypertension, diabetes, and hyperlipidemia begins to feel crushing, substernal chest pain. He drives himself to the local hospital and awaits care in triage. It is 7:00 PM on a Friday night, and a shift change has just occurred. Moments later, the patient stops breathing. The nurse who just began her shift rushes to the patient's side and notices a purple wristband. Mistaking it for a Do Not Resuscitate (DNR) band, she doesn't call the code.[6]It is clear to see that this was one individual's medical error in misidentifying a patient's wristband, resulting in a sentinel event. However, what if, to check in to the ED, a front desk employee's responsibility was to give patients the appropriate, color-coded wristband and to check for any bracelets/bands that a patient may be wearing? Medical errors are likely to happen in this environment, but systems-based safety policies, though loaded with redundancies, can reduce the chances that such a medical error progresses any further. How pervasive is this issue? In 1999, a monumental report was released by the U.S. Institute of Medicine that brought to light the significant issue of medical errors. [1] Throughout the years, many academic papers have attempted to quantify or rank medical error as a leading cause of death in the United States. Though the Joint Commission releases an annual report summarizing the sentinel events reviewed by the committee, they include a caveat that these submissions by accredited institutions are encouraged, but not required. conclusions cannot be accurately drawn. Nonetheless, the importance of identifying, reviewing, and learning from sentinel events cannot be undersold. Not only would an increase in sentinel event reporting result in a more accurate epidemiological picture of medical error in the United States, but hospitals would benefit from a culture of transparency and proactivity that promotes patient safety at all costs. How Are Sentinal Events Prevented? Sentinel event prevention is a team sport. Research has previously shown the creation of a culture where anyone, regardless of perceived status or importance, is welcomed to contribute their concerns regarding patient safety.[7] This team includes physicians, physician assistants and nurse practitioners, nurses, nursing assistants/medical technicians, hospital support staff, patients, and patients' family members. Each of these individuals is involved in a specific component of medical system. With this in mind, the only way to comprehensively ensure that a sentinel event is recognized is by creating a system in which everyone is empowered to speak up. This culture must be pervasive - from the highest hospital administrator to the newest volunteer, patient safety-focused training must begin on day one of the new hire orientation and be reinforced frequently throughout an employee's career.[7] There are varied methods via which hospital systems seek to create this team approach to participate. The priority of sentinel event prevention is ensuring an accurate understanding of what constitutes a sentinel event. This is a specific subcategory within the broader concept of medical error. As stated in the definitions above and according to The Joint Commission, a sentinel event that results in death, permanent harm, or severe temporary harm" (The Joint Commission, 2017). Even an exhaustive list of day-to-day medical care areas that can precipitate a sentinel event would still be incomplete. Commonly cited high-risks processes include (AHRQ, 2017; [1]): Verifying surgical siteSpecimen mislabelingMedication, correct medication, correct dose, correct medication, correct medication, correct dose, correct medication, correct medicatin, corre infections: urinary catheters, central venous catheters, percutaneously inserted central venous catheters, provider hand hygieneProvider sleep deprivationProvider sleep deprivationProvider turnoverInadequate staffing/high patient volumes per provider band hygieneProvider sleep deprivationProvider sleep publication, "To Err is Human: Building a Safer Health System," first released in 1999 by the US Institute of Medicine, was the first of its kind to acknowledges that human beings make mistakes - whether due to fatigue, stress, or working conditions, this fact is unavoidable. It states, "there are not bad people in healthcare, but good people working in bad systems that need to be made safer." This report seeks to spur systems-level protections to minimize the opportunity for human error. Ultimately, this set forth a nation-wide agenda to improve patient safety. While each of the high-risk areas listed above individually deserves article-length attention, this article's focus will be on three exemplary situations - patient handoff, medication errors, and wrong-site/wrong-patient procedures. Patient Handoff Many hospital systems have adopted standardized communication systems, particularly for provider-to-provider turnover. This process has previously been shown to contribute heavily to medical error and poor patient safety.[1][8] The most ubiquitous example is the TeamSTEPPS Curriculum ("Advances in Patient Safety," AHRQ, 2008) - an evidence-based patient turnover framework developed by the
Department of Defence (DOD) and Agency for Healthcare Research and Quality (AHRQ). This curriculum yielded the "I-PASS" standardized approach to patient information to be passed between providers during turnover. This is a mnemonic for the passage of critical patient information to be passed between providers during turnover. "watcher", "unstable"P - Patient summaryA - Action list: "to-do list" and timelineS - Situation awareness and contingency planning: planning for "what might happen"S - Synthesis by the receiver: summarizes back to off-going staff, repeats action listFor example, handoff of a patient following the "I-PASS" system would be structured as follows: "Thiss patient is a watcher. Ms. X is a 65-year-old female, anticoagulated on apixaban, who presented to the ED after a mechanical fall. She was admitted to the ICU. She needs neurological checks every 1 hour and a repeat head CT in 4 hours. Should she have an acute mental status change, please plan to reverse her anticoagulation, consider intubating her and giving hypertonic saline, obtain a STAT head CT, and contact neurosurgery immediately. "After this, the receiving provider would summarize the patient and repeat the action points back to ensure proper understanding. The I-PASS patient handoff system has been successfully implemented at the physician and nursing levels. It has shown positive results concerning patient safety and avoidance of medical errors in both adult and pediatric medicine.[9][10][11][12][13][14] Wrong-Site/Wrong-Patient Procedures Wrong-site and wrong-patient procedures were identified in "To Err is Human" as a particularly devastating example of medical error and patient harm. This information ultimately led to a massive undertaking to improve safety in the surgical arena. In 2009, the World Health Organization (WHO) was the first to release a "surgical arena. In 2009, the World Health Organization (WHO) was the first to release a "surgical arena. In 2009, the World Health Organization (WHO) was the first to release a "surgical checklist" of critical patient information that must undergo verification before initiation of a surgical procedure (Figure 2, "WHO Surgical Checklist"). This is a "pre-op," "intra-op," and "post-op" process that makes patient safety the number one priority in the operating room. The checklist includes "check-boxes" such as: Confirmation of patient identifyMarking of the correct surgical siteVerifying functional cardiopulmonary monitors and anesthesia machineAllergy reviewAirway assessmentReview of all surgical team members and assigned rolesExpected blood lossProphylactic antibiotic administrationVerification of the procedure performedAnticipated recovery concernsThis checklist has been adjusted and modified countless times by hospital systems as well as national governing bodies such as the Association of Perioperative Registered Nurses (AORN), American Academy of Orthopedic Surgeons (AAOS), American Society of Anesthesiologists (ASA), the American Society (ASA), the Americ the single most effective patient safety measures to date.[15][16][17][18] Medication-related errors have long been cited as a cause of patient harm - this includes incorrect medication, incorrect medication, incorrect dosing, and administration, incorrect medication administration of medication errors have long been cited as a cause of patient harm - this includes incorrect medication errors have long been cited as a cause of patient harm - this includes incorrect medication errors have long been cited as a cause of patient harm - this includes incorrect medication errors have long been cited as a cause of patient harm - this includes incorrect medication errors have long been cited as a cause of patient harm - this includes incorrect medication errors have long been cited as a cause of patient harm - this includes incorrect medication errors have long been cited as a cause of patient harm - this includes incorrect medication errors have long been cited as a cause of patient harm - this includes incorrect medication errors have long been cited as a cause of patient harm - this includes incorrect medication errors have long been cited as a cause of patient harm - this includes incorrect medication errors have long been cited as a cause of patient harm - this includes incorrect medication errors have long been cited as a cause of patient harm - this includes incorrect medication errors have long been cited as a cause of patient harm - this includes incorrect medication errors have long been cited as a cause of patient harm - this includes incorrect medication errors have long been cited as a cause of patient harm - this includes incorrect medication errors have long been cited as a cause of patient harm - this includes incorrect medication errors have long been cited as a cause of patient harm - this includes incorrect medication errors have long been cited as a cause of patient harm - this includes incorrect medication errors have long been cited as a cause of patient harm - this includes includes includes incl certainly falls on individuals to verify correct medication, correct dose, and patient allergies before ordering and administering medication, this topic was also covered in "To Err is Human" and an area for systems-level improvement. The advent and wide-spread implementation of Electronic Medical Records (EMRs) have been imperative to developing protections against medication errors. EMRs could verify the correct dosage based on a patient's allergy list.[21] These are systems protection at the time of the physician ordering medication; EMRs also provide levels of protection for nursing colleagues. Many hospitals have implemented a barcode scanning system in which a patient identification wristband has a barcode that must be scanned to verify the identity and accuracy of the medication prior to administration by the nurse. [22][23] Finally, many hospitals have increased pharmacist availability and visibility as an additional step to prevent medication-related errors; this includes 24-hour pharmacist consultation by phone, pharmacist review and sign-off on all medication orders, and physical presence of a clinical pharmacist in higher risk areas of medicine, such as intensive care and emergency medicine. [24][25][26] These systems-level protections all seek to fulfill the goal outlined in "To Err is Human" - to minimize the opportunity for human error by creating a multi-layered system must first accept that human error is inevitable and, to some degree, unavoidable. As introduced in "To Err is Human," the focus must shift from blaming individuals for human error and, instead, developing a multi-faceted system and culture of protection surrounding providers and patients. Successful examples of this approach include standardization of patient handoff, perioperative checklists, use of EMRs to verify accurate medications, and increased visibility and involvement of pharmacists. Overall, hospital-systems that succeed in patient safety share one key feature - a positive, supportive, and collaborative culture that encourages every employee, patient's family member, and the individual patient to participate.[27][28][29][8] The Proper Response To A Sentinal Event When a sentinel event occurs, an organization must 'he first involves a comprehensive systems-based investigation into the causative factors of the event, known as a root cause analysis, or RCA. This goal of RCA is to develop a robust, corrective action plan that will not only address the current event but also will implement changes that prevent future method successfully shifts focus away from an individual's errors and onto policies or lack thereof that may be applicable in analyzing several lower-risk medical error occurrences as well. For example, in a Danish study of 40 randomly selected community pharmacies, a root-cause analysis was employed to investigate over 400 separate medical errors.[30] The results identified four chief causes of medicationsLack of effective control of prescription label and medicineLack of concentration caused by interruptionsSince 1997, the Joint Commission has provided materials to accredited institutions can be analysis. Central to this process are three questions: What happened? Why did it happened? Why did it happened? What are the latent conditions? Latent conditions can be defined as the elements of a healthcare system's inherent design that can either contribute to or prevent medical error and sentinel events. One author describes these conditions as pertaining to "the 6 P's."[31]Providers: unfamiliarity with new procedures; inherent risks involvedProducts: the complexity of medical devices, variability in branding, names, etcPeripherals: hospital infrastructure, environmental factorsPatients: capable of preventing accidental treatmentPolicy: outdated regulations, unnecessary complexityIn answering the three questions above, an institution can identify specific causes that may be amenable to solutions. However, root cause analysis has not been immune to criticism. A 2017 retrospective study published in the BMJ Quality and Safety journal examined over three most common event types involved a procedure complication, cardiopulmonary arrest, and neurological deficits. In 106 RCAs, action planses in an eight-vear period. were proposed. The most common solution types were training (20%), process change (19.6%), and policy reinforcement (15.2%). The study concluded that "the most commonly proposed solutions were weaker actions, which were less likely to decrease event recurrence."[32] The trouble seemed to be more with the effectiveness of the action plan than the methods by which solutions were reached. An opinion piece published in JAMA in 2008 proposed:"...many recommendations stemming from RCAs should focus at the level of the healthcare system to prevent the inefficiencies of having individual institutions recycle the same
discussions locally. This conversation would require greater collaboration among relevant national stakeholders to develop and share mechanisms for deploying scarce implementation resources."[33]In 2015, the National Patient Safety Foundation convened to provide an updated definition for root cause analysis, based on substantive feedback on the lack of success in implementing its results. "Root cause analysis and actions" was determined to provide an appropriate emphasis on preventing patient harm through action.[34] Their recommendations included forming a diverse, 4 to 6 member team within 72 hours of recognizing that an RCA is necessary. Though the individuals directly associated with the sentinel event are not included on the team, the RCA committee must interview those individuals. The National Patient Safety Foundation hoped that these new recommendations would place heavier importance on actual outcomes and results from root cause analysis has been performed, and the provocating factors that led to the sentinel event have been identified, a corrective action plan must be established and put into effect. The Joint Commission defines an effective action plan as one that addresses: Identification of corrective actions to eliminate or control system hazards or vulnerabilities directly related to causal and contributory factors and effective action plan as one that addresses: Identification of corrective action plan as one that addresses: Identification of corrective actions to eliminate or control system hazards or vulnerabilities directly related to causal and contributory factors. for evaluating the effectiveness of the actionsStrategies for sustaining the changeThe accredited institution's a root cause analysis and corrective action plan to the Joint Commission for review. If deemed acceptable, the institution's accreditation is in jeopardy due to compliance issues. This objective measurement is known as a Sentinel Event Measure of Success (SE MOS) (The Joint Commission 2020). Through these efforts, hospitals may benefit from a culture of transparency and teamwork with systems-based patient safety protocols capable of investigating and preventing. sentinel events. Risk management requires each provider to be aware of the inherent risk and benefits of care of the patient and a goal among all providers to "first do no harm". Working together as a team will improve patient outcomes and mitigate risks. Risk management requires the efforts of a complete, top-down interprofessional team, both in terms of implementing policies and practices, executing them in day to day patient care, and even when addressing medical errors that have occurred. A coordinated team approach where everyone is on the same team and empowered to express their concerns irrespective of "rank," and members are knowledgable about their duties, offers the best chance for successful risk mitigation. This interprofessional approach leads to enhanced patient care and a reduction in potentially catastrophic events. Disclosure: Amanda Wojahn declares no relevant financial relationships with ineligible companies. Disclosure: Joseph Nicolini declares no relevant financial relationships with ineligible companies. As a library, NLM provides access to scientific literature. Inclusion in an NLM database does not imply endorsement of, or agreement with, the contents by NLM or the National Institutes of Health. Learn more: PMC Disclaimer | PMC Copyright Notice Clinical Risk Management aims to improve the performance quality of healthcare services through procedures that identify and prevent circumstances that could expose both the patient and the healthcare personnel to risk of an adverse event. consequent actions. In healthcare systems, where organizational dynamics and technological evolution are constantly changing, risk management must constantly assess whether these changes may lead to new opportunities for errors and new risks of adverse events that could result in to healthcare litigations. In the study by La Russa et al. [1], a retrospective analysis of civil litigation of the Sant' Andrea Hospital in Rome, 40% of total litigation in the five years of 2012-2016 involved the orthopedics, traumatology, emergency, and radiology departments. Especially in these wards, medical practice quality should be improved, and a clinical risk management specialist should be employed to manage malpractice claims. Considering morgue and necropsy activity, as explained in the study performed by Del Fante et al. [2], operators of necropsy services are subjected to potential dangers or threats such as the postural risk for manual handling of loads and noise or vibration exposure. Tomao et al. [3], instead, analyzed biological risks related to necropsy activities, which can expose individuals to infectious diseases directly (e.g., inhalation of aerosol particles). This requires an attentive risk analysis, through environmental and air microbiological monitoring clinical-anamnestic questionnaires where the operators are questioned on if they use personal protective equipment (PPE), the adoption of bacteriological and virological tests on cadaveric samples. The results of these surveys have highlighted the importance of accurate identification of hazards the assessment of exposure methods, and the adoption of risk-limiting measures and operational preventive protocol. Clinical risk management is involved in all healthcare activities, and when an adverse event occurs it is essential to be able to learn from it. In these cases, it is necessary to identify not the culprits but the causes. This is what happens for example, in the case of nosocomial infections. In the study by Bolcato et al. [4], the case of Mycobacterium Chimaera is reported, a bacterium whose infection is characterized by specific symptoms (e.g., emboli on cardiac valves, neurological, ocular, and auditory damages) that usually manifest after 20 months. This bacterium disseminates through aerosol mechanisms, and is frequent in patients who undergo heart surgery with exposure to contaminated heater-cooler units (HCU). For this reason, cardiologists and cardiac surgeons must nowadays perform follow-ups and prevention in cardiac surgeons must nowadays perform follow-ups and prevention in cardiac surgeons must now and prevention in cardiac surgeons must of emergencies, such as acute drug intoxication or Fatal Foreign Body Aspiration (FBA). In the first case, a study by Piccioni et al. [5] highlights how drug abuse is an increasing phenomenon among young people. The identification of a standardized treatment protocol is important for healthcare workers to manage intoxicated patients and choose between hospitalization, discharging, or temporary observation units (TUOs). The second case, described in the study by Montana et al. [6], represents pediatric emergency, which is considered the fourth cause of accidental death in children. For this reason, it is recommended that everyone learns the Heimlich maneuver, especially teachers and childcare providers, and parents should be conscious of the risks associated with eating some solid food (e.g., sausages) and the importance of constant supervision, even during playing. Finally, the pandemic spread of COVID-19 represents a new challenge for risk management. The study by Zanza et al. [7] focuses on the hypercoagulable state induced by COVID-19 infection, which increases the risk for venous thromboembolism and consequently makes thromboprophylaxis mandatory unless contraindicated. However, risk management in the COVID-19 era involves not only healthcare structures but even necropsy activities (Tomao et al. [3]), penitentiary facilities (Pagano et al. [8]), and nursing homes (Bolcato et al. [9]). In all these cases, a preventive screening protocol was drawn up in order to contain infection risks and provide, especially in the residents to safely interact, through digital interactions or distanced visits, with their family members. This research received no external funding. Not applicable. Not applicable. Not applicable. The authors declare no conflict of interest. 1.La Russa R., Viola R., D'Errico S., Aromatario M., Maiese A., Anibaldi P., Napoli C., Frati P., Fineschi V. Analysis of Inadequacies in Hospital Care through Medical Liability Litigation. Int. J. Environ. Res. Public Health. 2021;18:3425. doi: 10.3390/ijerph18073425 [DOI] [PMC free article] [PubMed] [Google Scholar] 2.Del Fante Z., Di Fazio N., Papale A., Tomao P., Del Duca F., Frati P., Fineschi V. Evaluation of Physical Risk during Necropsy and Morgue Activities as Risk Management Strategy. Int. J. Environ. Res. Public Health. 2021;18:8266. doi: 10.3390/ijerph18168266. [DOI] [PMC free article] [PubMed] [Google Scholar] 3.Tomao P., La Russa R., Oliva A., De Angelis M., Mansi A., Paba E., Marcelloni A.M., Chiominto A., Padovano M., Maiese A., et al. Mapping Biological Risks Related to Necropsy Activities: Old Concerns and Novel Issues for the Safety of Health Professionals. Int. J. Environ. Res. Public Health. 2021;18:11947. doi: 10.3390/ijerph182211947. [DOI] [PMC free article] [PubMed] [Google Scholar] 4.Bolcato M., Rodriguez D., Aprile A. Risk Management in the New Frontier of Professional Liability for Nosocomial Infection: Review of the Literature on Mycobacterium Chimaera. Int. J. Environ. Res. Public Health. 2020;17:7328. doi: 10.3390/ijerph17197328. [DOI] [PMC free article] [PubMed] [Google Scholar] 5.Piccioni A., Cicchinelli S., Saviano L., Gilardi E., Zanza C., Brigida M., Tullo G., Volonnino G., Covino M., Franceschi F., et al. Risk Management in First Aid for Acute Drug Intoxication. Int. J. Environ. Res. Public Health. 2020;17:8021. doi: 10.3390/ijerph17218021. [DOI] [PMC free article] [PubMed] [Google Scholar] 6.Montana A., Salerno M., Feola A., Asmundo A., Di Nunno N., Casella F., Manno E., Colosimo F., Serra R., Di Mizio G. Risk Management and Recommendations for the Prevention of Fatal
Foreign Body Aspiration: Four Cases Aged 1.5 to 3 Years and Mini-Review of the Literature. Int. J. Environ. Res. Public Health. 2020;17:4700. doi 10.3390/ijerph17134700. [DOI] [PMC free article] [PubMed] [Google Scholar] 7.Zanza C., Racca F., Longhitano Y., Piccioni A., Franceschi F., Artico M., Abenavoli L., Maiese A., Passaro G., Volonnino G., et al. Risk Management and Treatment of Coagulation Disorders Related to COVID-19 Infection. Int. J. Environ. Res. Public Health. 2021;18:1268 doi: 10.3390/ijerph18031268. [DOI] [PMC free article] [PubMed] [Google Scholar] 8.Pagano A., Maiese A., Izzo C., Maiese A., Attianese M., Busato G., Caruso R., Cestari M., et al. COVID-19 Risk Management and Screening in the Penitentiary Facilities of the Salerno Province in Southern Italy. Int. J. Environ. Res. Public Health. 2020;17:8033. doi: 10.3390/ijerph17218033. [DOI] [PMC free article] [PubMed] [Google Scholar] 9.Bolcato M., Trabucco Aurilio M., Di Mizio G., Piccioni A., Feola A., Bonsignore A., Tettamanti C., Ciliberti R., Rodriguez D., Aprile A. The Difficult Balance between Ensuring the Right of Nursing Home Residents to Communication and Their Safety. Int. J. Environ. Res. Public Health. 2021;18:2484. doi: 10.3390/ijerph18052484. [DOI] [PMC free article] [PubMed] [Google Scholar] This section collects any data citations, data availability statements, or supplementary materials included in this article. Not applicable. Articles from International Journal of Environmental Research and Public Health are provided here courtesy of Multidisciplinary Digital Publishing Institute (MDPI) This is a proactive approach used to identify, assess, and reduce risks to patients and their care team. Clinical Risk Management aims to improve the quality and safe delivery of care by introducing systems that identify and minimise or prevent the chances of harm occurring during treatment. This process also involves perceiving future problems in order to effectively plan for prevention, and if not, for contingencies. Four-Step Process to Clinical Risk ManagementAccording to the World Health Organisation, the four-step process to Clinical Risk Management are as follows: Identify the risk: this involves recognising where potential harm could occur by observing processes and workflows to spot weak points. This may also be done by reviewing incident reports, near-misses and complaints. Assess the frequency and severity of the risk: When the risks are identified, they must be analysed to figure out how often they might occur and how serious they may become. This aids in prioritising which risks need immediate attention and intervention, and distinguishes high-impact rare events from low-impact patients are and how they may impact patients and staff, the next step to take is to formulate a way to manage them. This may be done through the elimination of the risk, substitution of high-risk processes with safer ones, designing safety systems, as well as creating protocols and ensuring staff undergo training. Cost the risk: occur. Health Technology's Role in Clinical Risk ManagementHealthTech plays various and crucial roles in Clinical Risk Management, acting as a tool for prevention and a safety net when adverse events do occur. Key examples are: Electronic Health Records (EHRs): aid in reducing medication errors by tracking patient history for allergies or duplicate prescriptions. It also standardises documentation and provides real-time access to patient information, ensuring that the entire care team is updated and there is a smooth transition of care between shifts or departments Clinical Decision Support System (CDSS): assists the patient's care team in making informed and evidence-based decisions. CDSS flag abnormal lab results and provides evidence-based recommendations, helping clinicians catch issues early. Master Patient Index (MPI): stores all patient through the use of Unique Identifiers (UID). Each patient is assigned a distinct code or value that ensures accurate tracking and identification. This aids in avoiding data leaks, patient mix-ups, especially with patients who have the same names, and enables smooth and fast data sharing between systems. In Episode 438 of the Talking HealthTech Podcast, the Honourable Jaala Pulford from MTPConnect and Children's Cancer Foundation, talks about how managing risks around patient privacy and medical information is also one of the biggest challenges there is in implementing these advanced digital technologies. And while this may be the case, she also emphasises how storing patient information and records digitally is safer than keeping them in filing cabinets: "So I think, you know, managing, the risks around privacy is obviously the clear number one challenge..., and in some respects, you know, in data about people's health, de-identified, and sent off into the 'universe' is probably infinitely more secure than filing cabinets full of paper, really, when you think about it." - The Honourable Jaala Pulford, Episode 438 of the Talking HealthTech Podcast Today, I am going to unpack something that plays an instrumental role in maintaining the safety and well-being of patients - Clinical Risk Management. As a clinical expert, I've often seen how crucial this process is and how often it gets overlooked, especially when we get caught up in the day-to-day routines of patient care. What is Clinical Risk Management, you ask? It's a systematic approach to identifying and reducing risks in the healthcare setting to ensure the highest patient safety standards. In simpler terms, it's like a safety net designed to catch any unforeseen incidents that might affect patient safety standards. In simpler terms, it's like a safety net designed to catch any unforeseen incidents that might affect patient safety standards. when it comes to patient care, the stakes are high, and there is no room for error. Every decision we make, and every action we take, has the potential to significantly impact a patient's life. Clinical Risk Management helps us navigate this complex landscape, ensuring that we deliver the safest, most effective care possible. In this post, I'll walk you through the ins and outs of Clinical Risk Management, helping you understand why it's crucial and how it contributes to patient safety. So, sit back, relax, and prepare for an enlightening journey through the realm of Clinical Risk Management. Let's start by gaining a broader understanding of what it actually is. If we peel back the layers, Clinical Risk Management is essentially a structured and systematic approach to improving the quality of patient care and safety. This is achieved by identifying, analyzing, and reducing risks that might be associated with patient care. In every healthcare setting, from bustling hospitals to small clinics, risks lurk. These risks can manifest in various forms. They could be related to clinical procedures, such as a surgeon performing a complex operation, or they could stem from the use of medical technology, where an incorrect setting on a piece of medical technology, where an incorrect setting on a piece of medical technology. among healthcare professionals. To paint a clearer picture, imagine a patient who's due to undergo a surgical procedure. There are numerous risks at every step of their care journey. It starts right from the pre-operative phase where an inaccurate medical history could lead to complications during surgery. Then there's the intra-operative phase where things like anesthesia reactions, surgical errors, or equipment failures could pose a risk. And we haven't even reached the post-operative phase yet, which carries its own set of risks like infections, medication errors, or issues with follow-up care. Clinical Risk Management enters the scene as our ally in this battle against these potential threats Its job is to identify these risks in advance and implement strategies to either prevent them from occurring or minimize their impact if they do occur. It's a bit like having a detailed map and a reliable compass guides you helping you chart the safest path forward. In the realm of Clinical Risk Management, the tools of our trade include risk assessments, safety protocols, training programs, and technological solutions. Using these, we can proactively manage potential threats, ensuring that our patients' journey through the healthcare system is as smooth and safe as possible. But like any good map, the value of Clinical Risk Management lies not just in highlighting the potential hazards but also in its ability to guide us towards our destination - in this case, excellent patient care. It helps us focus on what's truly important and ensures that we don't lose sight of our goal amid the hustle and bustle of the healthcare world. So, in essence, Clinical Risk Management is the roadmap that guides us towards our ultimate goal: providing safe, high-guality care to every patient, every time. With a firm grasp on what Clinical Risk Management is, let's explore why it holds such pivotal importance in healthcare. dig a little deeper to truly understand why this system is so vital. At its core, healthcare revolves around the care for. Every step I take, and every decision I make, can have a significant impact on a patient's life. And in this high-stakes environment, Clinical Risk Management serves as an invaluable safety net, helping us safeguard our patients' health and well-being. Picture this: a hospital ward bustling with activity. Nurses are attending to patients, doctors are making their rounds, and administrative staff are ensuring everything runs smoothly. complex web of tasks, processes, and decisions, each carrying potential risks. An error in medication administration, a missed symptom, or a delay in treatment can lead to serious, even life-threatening, consequences. And here's where Clinical Risk Management steps in. By systematically identifying and addressing these potential risks, we can ensure
that these worst-case scenarios don't become a reality. It helps us deliver care that is not just effective, but also safe. But the significance of Clinical Risk Management extends beyond immediate patient care. By minimizing errors and adverse events, it can enhance a healthcare organization's reputation, leading to increased trust among patients and their families. In the long run, it can also lead to cost savings by reducing complications that require additional treatments. To illustrate this point, let's revisit our earlier hypothetical scenario. Suppose a patient is mistakenly administered a medication they are allergic to due to a miscommunication or an oversight in their medical record. The patient might suffer a severe allergic reaction, requiring emergency treatment and a prolonged hospital stay. Beyond the physical and emotional toll on the patient financial burden, legal complications, and reputational damage to the healthcare provider. But what if there was an effective Clinical Risk Management system in place? Such a system could have flagged the potential allergy before the medication was administered, helping to prevent the incident altogether. As a result, the patient would have received safe and appropriate care, and the healthcare provider would have flagged the potential allergy before the medications was administered. In essence, Clinical Risk Management is not just about avoiding worst-case scenarios. It's about promoting best-case scenarios - scenarios where patients receive the safest, most effective care possible, and healthcare. So, we have established what Clinical Risk Management is and why it's crucial in healthcare. Now, let's take a step further and delve into the components of an effective Clinical Risk Management system. First, we have risk identification. This is where the journey begins. In this stage, we systematically go through every single process, procedure, and piece of equipment involved in patient care. We question everything. Could this procedure lead to complications? Could this piece of equipment malfunction? The goal is to bring every potential source of risk to light. It's a bit like shining a flashlight in a dark room, trying to reveal anything that might make us trip. Next comes risk assessment. Now that we have identified potential risks, we need to figure out which ones are most critical. This involves evaluating each risk based on two factors - how likely it is to occur and how severe its impact could be if it does occur. It's like looking at a weather forecast. A light drizzle isn't too concerning, but a thunderstorm? That demands our attention and preparation. Once we have assessed our risks, we move on to risk control. This is where we brainstorm strategies to manage these risks. This could involve preventive measures like safety protocols or backup plans in case a risk does become a reality. For instance, if a particular surgical procedure carries a high risk of infection, we could implement stringent sterilization protocols to prevent this. And if, despite our best efforts, infection does occur, we could have a treatment plan ready to minimize its impact. Last but not least, we have risk monitoring. Risk management isn't a one-and-done thing. It's an ongoing process that requires continuous vigilance. Once we have our risk control measures in place, we need to monitor them to ensure they're working as intended. Are our safety protocols effective? Are our safety protocols effective? Are our backup plans adequate? We need to stay alert for any new potential hazards that might come our way. We now know what Clinical Risk Management is, why it's important, and what the key components are. But how do we put this knowledge into action? How do we put this knowledge into action? How do we put this knowledge into action? governance structure. This could be a dedicated risk management committee or assigning a risk management officer - someone with the authority and responsibility to oversee and steer the Clinical Risk Management process. This person or group essentially acts as the captain of our ship, leading the way as we navigate through the sea of risks. Next the process of identifying and assessing risks. This involves thoroughly examining all aspects of patient care, from the big picture down to the nitty-gritty details. Clinical procedures, medical equipment, administrative processes, communication protocols - nothing is off-limits. This step is akin to mapping out the terrain. we comes the neavy litting need to understand the lay of the land before we can plan our risks and prioritized them based on our assessment, we can start developing our risk control strategies. This typically involves a wide range of stakeholders - physicians, nurses, administrators, and even patients themselves. Each brings a unique perspective and valuable insights, helping us develop comprehensive and effective risk control measures. Think of it as a brainstorming session. Everyone pitches in their ideas, and together, we come up with a plan. And finally, with our risk control measures in place, it's time for vigilance. We need to monitor our strategies, see how they fare in real life, and make adjustments as needed. We also need to stay on our toes for any new risks that might emerge. It's a continuous cycle of improvement and adaptation, like an athlete training for a competition. We start with a training plan, but we need to continuously monitor our progress, make tweaks as necessary, and adapt to new challenges. Now that we've charted our path to implementing Clinical Risk Management, it's important to acknowledge that this journey, like any other, can have its share of challenges. However, recognizing these hurdles and strategizing ways to overcome them can make the process smoother. First among the challenges is change resistance. Any new system or process can face resistance from those who are accustomed to the old ways. Clinical Risk Management, with its proactive and systematic approach, may require significant changes to existing practices. The key to overcoming this resistance lies in communication and training. Make sure all stakeholders understand why these changes are necessary, how they contribute to patient safety, and what their roles in the process are. Secondly, we might encounter resource constraints. Implementing Clinical Risk Management requires an investment of time, effort, and sometimes, finances. Small healthcare organizations, in particular, might find it challenging to spare these resources. The solution here could be to start small. Begin with the most critical risks, and as you start seeing the benefits, gradually expand the scope of your Clinical Risk Management activities. Next, there is the issue of complexity. Healthcare is a complex field, with numerous interdependencies and variables. Identifying and managing every possible risk can seem like a daunting task. However, remember that perfection is not the goal here. The aim is to minimize risks, not eliminate them completely (which, let's face it, is practically impossible). Start with what you can do and build from there. Lastly, there's the challenge of maintaining momentum. Clinical Risk Management is an ongoing process, not a one-time event. Keeping the momentum going can be challenging, especially when the initial enthusiasm wears off. Regular feedback, celebrating successes, and continuous training can help keep the process alive and vibrant. In conclusion, while implementing Clinical Risk Management can indeed be a challenging journey, the potential hurdles are not insurmountable. And the rewards - safer, more effective patient care, reduced costs, and enhanced reputation - make the journey worth every bit of effort. So, take the plunge, and you'll soon see the benefits ripple through your organization, touching every patient you care for. And there you have it. From understanding what Clinical Risk Management is to implementing it in practice, we've journeved through the landscape of this crucial aspect of modern healthcare field, perhaps it has given you a clearer path to enhancing patient safety and care guality in your organization. Clinical Risk Management may seem complex and challenging, but remember - it's all about patient safety. And isn't that why we're all here in the first place? So, embrace the challenge, navigate the complexities, and let's make healthcare safer, together. A Guide to Risk Management in Healthcare So, embrace the challenge and challenge a plan that includes all practices and procedures and meets the demands of all interested parties. This means that as the advisor, you'll need to review the needs of each of the organization's stakeholders — including the leadership, staff, patients, visitors, and community you serve. While no single plan applies to all types of practice environments, using the steps below can help you create a plan unique to your specific needs and the risks specific to your organization and practice. For example, if your facility is a college health clinic, your risks will be different from those of a dental office. Remember: This structure is just a sample recommendation. You must design a plan that's tailored specifically to your organization and its needs. That may require additional topics and categories not listed here, or the revision or removal of items we included. Here are the steps to take to create a risk management plan and process for your organization. The 5-Step Process for your organization and its needs. that describes your plan in detail. The plan should begin with a list of these elements: Name of Your Organization Location of Your Organization Statement Person(s) Acting as Risk Manager(s) Key Leaders of the Organization Person(s) Designated to Communicate Information About Possible Risks or Actual Events How Information Will Be Communicated Person(s) to Whom the Info Will Be Told (e.g., staff, leadership, the community,
government agencies, etc. You will want to consult with your organization's leadership and/or legal department for guidance as you develop and finalize your plan. You may also want to consult with your organization's leadership and/or legal department for guidance as you develop and finalize your plan. You may also want to consult with your organization's leadership and/or legal department for guidance as you develop and finalize your plan. of the final plan once it's complete (e.g., at least once a year). Step #2: Identify risks should depend largely on the focus and scope of your organization. Methods used to identify risks should depend largely on the focus and scope of your organization. compile a list of past events that occurred or as complex as implementing diagrammatic identification techniques, like a Fault Tree Analysis or Ishikawa and Fishbone's Cause and Effect. The goal of this step is not only to determine as many possible and actual risks as possible, but also to include the policies, procedures, general practices, and organizational structure of the physical environment so that risks are identified and planned for. Step #3: Analyze the risk. Once you determine what your risks are, you'll then want to assess the probability of an adverse event actually happening. Analyzing the probability of each risk is done both qualitatively. Qualitatively Risk Analysis: Done first by the risk manager or planner, this analysis determines the probability of each negative outcome happening); "Medium" (between 30 and 70 percent); or "High" (more than 70 percent chance). Quantitative Risk Analysis: A quantitative risk analysis involves assigning a numeric value (e.g., 1-4 or 1-5) to each established risk that categorizes how severe its impact could be if it happened. For this step, risk assessors or planners may choose to assign descriptive words (e.g., "low," "medium, "high") instead of a number scale. From these assessments, you'll be able to decide where to prioritize your risk prevention efforts, starting first with the high qualitative risks that also have high quantitative impacts. Step #4: Respond to the risk in the processes below. It's also helpful to delegate each risk to a particular staff person to take precautionary (mitigation) and reactionary (contingency) measures. That way, if the adverse event does happen, your team knows who owns the risk and how to respond. Mitigation: Document how you will take action to lower the probability of the particular risk. Example: "Patient fall Train all staff to keep bed rails up when patients are in bed. Ensure floors are clean and dry; add signage when floors are wet." Contingency: List specific steps to take if the adverse event occurs so you can minimize the size and scope of any negative outcomes from the event. Example: "Patient fall Notify a physician. Apply comfort measures to patient. Provide diagnostics tests for injury." Transfer: Move some financial responsibility of the risk to another entity, such as the an insurance company or the bed rail manufacturer. Avoidance: Eliminate the risk and don't take any further action. Step 5: Manage the risk. Once a risk occurs, you have to allow for reporting, controlling, and monitoring the events that follow. Ongoing assessment of these planned responses is required, as well as continuously evaluating all risk. This includes: Creating Reporting Forms Establishing Reporting Forms Establishing Reporting Forms Establishing Reporting Procedures Establishing Reporting Forms Establi Risk Management Plan in Healthcare We created an example of a healthcare risk management plan using the steps and structure shown above. For the sake of easy reading, we've broken up the plan into two sections: Step 1 will be in a table. Ideally, this format will allow you to view each risk prevention step and reaction process in an organized layout. Here's what an example of what Step 1 could look like: Organization Name: J. Doe General Hospital Organization staff, and visitors by identifying, assessing, responding to, and learning from risks." Organization's Mission Statement: "To provide compassionate, high-quality care to the community. To treat and care for all patients and pursue research efforts to achieve higher rates of prevention and cures." Name of Risk Manager(s): Names of Organization's Leaders Person(s) Designated for Communication About Possible Risks or Actual Events: How Information Will Be Communicated: "Meeting to be held by June 10, with quarterly training sessions as follow-up. Determine which staff members will communicate information to and from staff and all involved in an event. This can be a risk manager unit, or departmental managers, or other designees as appointed by the organization' leadership. Schedule ongoing training for staff as appropriate to your organization to discuss current risk management strategies." And here's an example of what Steps 2-5 could look like: Risk/Assignee Probability Qualitative Score Quantitative Score First Response Management Risk: Person Handling Risk: N/A, All medical staff is trained in falls. High in the acute care and long-term care settings, and for certain patients are in bed. Use bed alarms if patient is at high risk for falls. Ensure wet floors are cleaned up promptly. Use prominent signage warning of wet floors and block access. Contingency: Examples: Notify physician. Apply comfort measures, ice, pillows, splint patient to X-Ray as needed. Notify Risk manager and family. Transfer: Examples: Faulty bed rail design, contact manufacturer and insurance carrier to report for possible reimbursement of costs related to patient injury. Avoid: Permanently remove faulty equipment that contributed to the event. Accept: Examples: Patient broke free from bed restraints due to improper application (staff responsible for incident)-educate staff on proper use of restraints for confused or agitated patients. Reporting: Examples: Notify physician. Notify environmental services. Notify department or unit manager. Notify risk manager. Controlling: Examples: Follow up with injured patient. Conduct ongoing tracking of falls with a goal of reducing their frequency. Ensure ongoing staff education regarding fall prevention protocols One example of how you can format a healthcare risk management plan. Image courtesy of iStock.com/tzahiV Last updated on Aug 25, 2021. Originally published on Aug 25, 2021. do not necessarily reflect those of Berxi<sup>m</sup> or Berkshire Hathaway Specialty Insurance Company. This article (subject to change without notice) is for informational purposes only, and does not constitute professional advice. without notice. The full coverage terms and details, including limitations and exclusions, are contained in the insurance policy. If you have questions about coverage available under our plans, please review the policy or contact us at 833-242-3794 or support@berxi.com. "20% savings" is based on industry pricing averages. Berxi<sup>™</sup> is a part of Berkshire Hathaway Specialty Insurance (BHSI). 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