



Medical Errors

- In 1999/2000 the Institute of Medicine published their report To Err is Human: Building a Safer Health System.
- This groundbreaking report estimated that between 49,000 and 98,000 deaths were attributable to medical errors in America per year
- This made medical errors the nations 3rd leading cause of death
- Estimated 1 million people harmed by medical errors per year

Medical Errors

- There are 48 million surgical procedures performed in America each year
- These are done in one of 6146 Hospitals in America, or 9280 ambulatory surgery centers
- There were 4.38 billion prescriptions filled in the United States in 2019

Types of Medical Errors

- Medical Errors can be categorized into different types
- These can occur anywhere along the patient care journey
- These are the 4 types of medical errors

Diagnostic Errors

- Error or delay in diagnosis
- Failure to employ indicated test
- Use of outmoded tests or therapy
- Failure to act on results of monitoring or testing

Treatment Errors

- Error in performance of an operation, procedure or test
- Error in administering treatment
- Error in the dose or method of using a drug
- Avoidable delay in treatment or in responding to an abnormal test
- Inappropriate care

Preventive Errors

- Failure to provide prophylactic treatment
- Inadequate monitoring or follow-up treatment

Other Errors

- Failure of communication
- Equipment failure
- Other system failures

Most Common Medical Errors

- Medication Errors
 - Includes prescribing errors
 - Administration errors
 - Filling errors by pharmacy

Most Common Medical Errors

- Healthcare Associated Infections
 - Includes Ventilator Associate Pneumonias (VAP)
 - Surgical Site Infections (SSI)
 - Central line Associated Bloodstream Infections (CLABSI)
 - Catheter Associated Urinary Tract Infection (CAUTI)

Most Common Medical Errors

- Diagnosis Errors
 - Missed diagnosis
 - Delayed diagnosis

Most Common Medical Errors

- Surgical Errors
 - Wrong site surgery
 - Wrong procedure
 - Error in performance of the procedure

| Medical Errors, Past and Present Anid recent news of medical mistakes, a number of past medical errors stand out. By DAN CHILDS February 19, 2009, B31 AM + 15 min med Nov. 27, 2007 It's every surgical patient's worst nightmare. And it happened three times at Rhode Island Hospital. According to Associated Press reports, the hospital was fined \$50,000 and reprimanded by the state Department of Health on Monday after the third episode this year involving a doctor performing brain surgery on the wrong side of a patient's head. Fortunately, the chance of a serious mistake occurring during any given medical procedure is small. But these errors do happen a fact evidenced by this recent news. Not all hospitals share this track record. But due to the sheer number of medical procedures that take place in the country every year, even isolated incidents add up. A report last April by the independent health care-ratings company HealthGrades found through Medicare hospitalization records that nearly 3 percent of patients in the nation's hospitals risk experiencing hospital errors. | obcNEWS | VIDEO LIVE | SHOWS | 2020 ELECTIONS | CORONAVIRUS | | Q |
|--|---------|--|---|--|---|---|---------|
| Fortunately, the chance of a serious mistake occurring during any given medical procedure is small. But these errors do happen a fact evidenced by this recent news. Not all hospitals share this track record. But due to the sheer number of medical procedures that take place in the country every year, even isolated incidents add up. A report last April by the independent health care-ratings company HealthGrades found through Medicare hospitalization records that nearly 3 percent of patients in the nation's hospitals risk experiencing hospital errors. | | Medic Amid recent By DAN CHILD: February 19, 200 Nov. 27, 200 happened According reprimand episode thi side of a pa | eal Erro news of medica , 851 AM - 15 min)7 | read earl mistakes, a number of read erry surgical patient's w Rhode Island Hospit Press reports, the hos e Department of Heal ing a doctor performin | Present of past medical errors worst nightmare. An al. spital was fined \$50 Ith on Monday after ng brain surgery on | nd it ,000 and the third the wron | t g |
| | | Fortunatel medical pr by this reco Not all hos medical pr incidents a company F that nearly hospital er | 7, the chance ocedure is sm ent news. Ditals share the ocedures that dd up. A repo lealthGrades 3 percent of p ors. | of a serious mistake o nall. But these errors d nis track record. But d take place in the cou rt last April by the in found through Medic patients in the nation | occurring during an lo happen a fact e lue to the sheer num ntry every year, eve dependent health c are hospitalization 's hospitals risk exp | y given videnced nber of en isolated are-rating records eriencing | d gs |





- When taken just as a financial burden to the health care system, the cost of these errors is estimated to be around \$20 billion per year
- When the financial burden to the families, employers, and overall economy are taken into account, aggressive estimated put the burden at \$1 trillion annually

How Do We Prevent Medical Errors?

- Change the goal from errors to safety
- Create a culture that recognizes that errors can occur
- This culture will recognize when errors occur, and not seek to lay blame, but look at the systems that allowed the error to happen
- Change the system and put in place safeguards that prevent the error from occurring again

How Do We Prevent Medication Errors?

Example

- Medication administration in a hospital setting
- Can be very confusing with many patients requiring multiple medications throughout the day
- Medication administration was the most common medical error sited in the Institute of Medicine report
- How can you create a system that helps prevent incorrect medical administration?
- How can you create a culture that helps prevent incorrect medical administration?

How Do We Prevent Medication Errors?

Example

- Medication administration in a hospital setting
- Can be very confusing with many patients requiring multiple medications throughout the day
- Medication administration was the most common medical error sited in the Institute of Medicine report
- How can you create a system that helps prevent incorrect medical administration?
- How can you create a culture that helps prevent incorrect medical administration?

How Do We Prevent Medication Errors?

Example

- Medication administration in a hospital setting
- Can be very confusing with many patients requiring multiple medications throughout the day
- Medication administration was the most common medical error sited in the Institute of Medicine report
- How can you create a system that helps prevent incorrect medical administration?
- How can you create a culture that helps prevent incorrect medical administration?

Bar Code Medication Administration

- Each drug to be administered is checked against the patient wristband
- Two patient identifiers will be used to make sure the correct patient is getting their medication.
- This will be done for all medications given







Culture Change in Medication Administration

- Five rights of nursing drug administration
- 1. Right medicine
- 2. Right patient
- 3. Right dosage
- 4. Right Route
- 5. Right Time

HealthCare Associated Infections

- CMS has devised a system to hold hospitals accountable for quality outcomes
- They withhold a certain percentage of payments at the beginning of the year
- If you reach certain benchmarks, you can earn back this money
- If you exceed these benchmarks, you can earn more money than was at risk







HealthCare Associated Infections

- Hospitals found, that by reducing these HAI, they would get more money from CMS
- They also found, they could make more money overall, with decreased length of stays for patients, decreased complications, and overall better outcomes
- A win-win for everyone at the table

Surgical Errors

- This group includes what we call "Never Events"
- A wrong site surgery or a wrong procedure events are things we think should never occur.
- How can something like this happen?



Surgical Errors

- How do we close these holes in the system surrounding surgery?
- We look to our colleagues in the aviation industry
- 1972 was the worst year in aviation safety history.
- 460 deaths that year
- Realized that a lack of communication in the cockpit was leading to a majority of the problems

Surgical Errors

- Instituted CRM Crew Resource Management
- At any time in the process of aviation, anyone on the team can speak up and "stop the line"
- Meaning all concerns are heard
- This leads to investment from the whole team, and a common goal, which is error free flying

Surgical Errors

- Operating rooms around the country have taken idea of Crew Resource Management to heart
- We now run through the same checklists, like a pre-flight check
- All voices are heard. Anyone in the OR can "stop the line" and voice concerns, and these will be addressed and remedied.



Conclusion

- Medical errors are preventable
- We need to look at how to fix the system, not who is to blame
- It takes a focus from everyone on the same goal:

Patient Safety