

MEDICAL ERRORS: ISSUES AND CHALLENGES

By:

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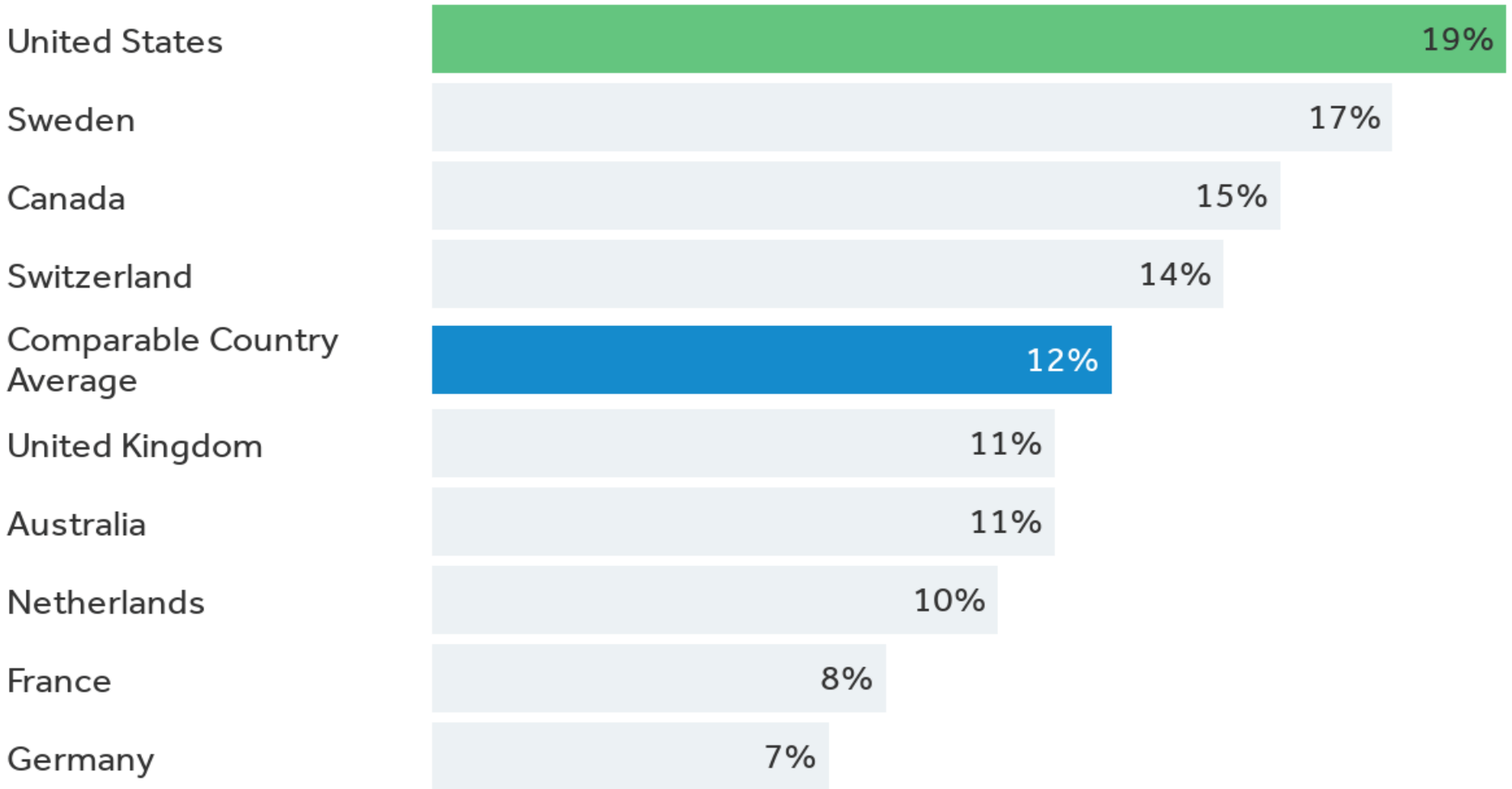
A stethoscope with a silver chest piece and white earbuds lies on a rustic wooden surface. In the foreground, a black rectangular chalkboard is positioned, featuring the words "Medical Error" written in a white, cursive script. A small metal clip is attached to the right side of the chalkboard, holding a piece of light-colored twine. The background is a close-up of the wooden texture.

Medical Error

MEDICAL ERROR

- According to the Agency for Healthcare Research and Quality, , Medical errors affect one in 10 patients worldwide.
- One in five Americans (22%) report that they or a family member have experienced a medical error of some kind.
- In the U.S., medical errors are estimated to result in 44,000 to 200,000 unnecessary deaths, in hospital settings, and 1,000,000 excess injuries each year.

Percent of sicker adults who have experienced medical, medication, or lab errors or delays in past two years, 2016



Source: KFF analysis of data from "Mirror, Mirror 2017: International Comparison Reflects Flaws and Opportunities for Better U.S. Health Care" (The Commonwealth Fund, July 2017)

MEDICAL ERROR

THIRD LARGEST KILLER IN US



Globally an estimated **1,42,000** people died in 2013 from adverse effects of medical treatment

A Harvard University study earlier estimated **43 million** medical injuries occurred globally and **5.2 million** in India

TOP CAUSES OF DEATH IN THE US MENTIONED BY BMJ



Heart Disease



Cancer



Medical Errors



COPD



Suicide



Firearms



Motor Vehicles

LEADING CAUSES OF DEATH IN INDIA



HEART DISEASE | COPD | STROKE | TUBERCULOSIS | PNEUMONIA |
SUICIDE | ROAD INJURIES | DIABETES

MEDICAL ERROR



would be the 3rd leading killer in the U.S. per year



ESCAPEFIREMOVIE.COM

source: cdc.gov; Health Affairs

MESCO Institute of Management & Computer Sciences, Mustaidpura, Hyderabad.

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India's medical error deaths, nearly 5 mn a year, can be cut by 50%: Expert

The Acute Critical Care Course could be a boon for Indian hospitals, especially in rural areas

Press Trust of India | New Delhi

Last Updated on 23/09/2018 at 14:05:55 MESCO Institute of Management & Computer Sciences, Mustaidpura, Hyderabad.

RELATED KEYWORDS: World-Health-Organization | Medical-Errors

Medical errors in top 10 killers: WHO

RELATED KEYWORDS: World-Health-Organization | Medical-Injuries-In-India | India-Records-5.2-Million-Medical-Injuries | DALYs | Ashish

'India records 5.2 million medical injuries a year'

By Ashish

RELATED KEYWORDS: Vivek-Agarwal | Manipal-Northside-Hospital | Manipal-Hospitals | Malleswaram-Police

Hospital charges patient Rs5,796 extra

We often come across such news headlines but have we ever wondered that the increasing numbers of such medical scams can affect us and our loved ones too someday?

OOPS!

5.2 Million

Medical Errors

Happen Annually in India



Type of error	No. of error (%)
Prescription errors	262 (65)
Inappropriate selection of medicine	260
Incomplete medical history of patient	02
Dispensing errors	15 (4)
Omission	15
Administration errors	126 (31)
Inaccurate dose	72
Error in dosing interval	38
Wrong route of administration	15
Wrong patient	01
Total number of medication errors	403 (100)

Manufacture



- Strength of active ingredient
- Contaminants
- Inaccurate or misleading packaging

Medication choice



- Irrational, inappropriate, or ineffective
- Underprescribing appropriate drugs
- Overprescribing appropriate drugs

Writing the prescription



- Errors in dosage or medication name
- Illegible writing

Dispensing the medication



- Wrong drug
- Wrong formulation
- Wrong label

Medication administration



- Wrong dose (amount, frequency, and/or duration)
- Wrong route
- Wrong patient

Monitoring therapy

- Failing to alter treatment when necessary
- Erroneous change in therapy

9 types of Nursing Documentation errors



Sloppy or illegible handwriting



Failure to date, time, and sign a medical entry



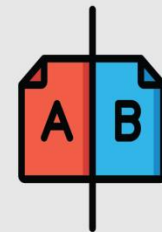
Lack of documentation for omitted medications and/or treatments



Incomplete or missing documentation



Adding entries later on



Documenting subjective data



Not questioning incomprehensible orders



Using the wrong abbreviations



Entering information into the wrong chart

Causes of errors

- Errors of Omission: errors related to prescription, drug dispensing by pharmacist, drug administration by medical personnel like nurses & patient themselves
- Errors of Commission: most common form of errors encountered in clinical practice, this include –
 - 1.) Wrong phenomenon
 - 2.) Drug interaction related
 - 3.) Communication failure
 - 4.) Failure to follow appropriate policies related to drug use
 - 5.) Failure to follow drug-specific instructions
 - 6.) Overuse of a drug(irrational drug use & polypharmacy)



Diagnostic

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

Treatment

- 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

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

Other

- Failure of communication
 - Equipment failure
 - Other system failure
-



CONCLUSION

WHO Guidelines

9 Ways to Medication Safety



Good Luck for Good Health

Good Luck for Good Health

THANKYOU

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