

# Basic Medication Safety (BMS) Course

Saudi Medication Safety Center

# Introduction to the Basic Medication Safety (BMS) Course



# Preventable Hospital Deaths

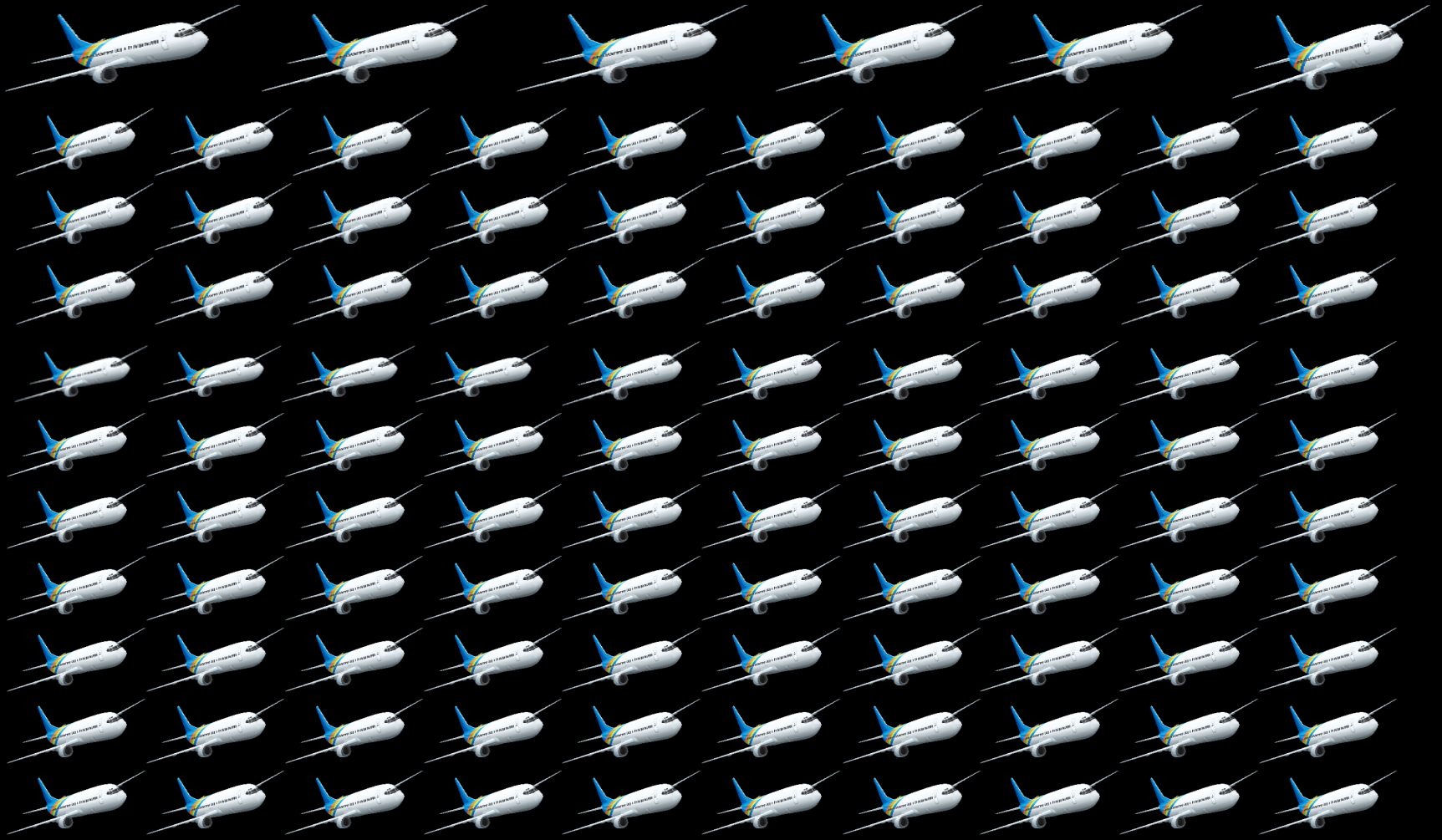
- In the US there are 44,000 – 98,000 preventable deaths / year from medical errors.
- This is similar to:
  - Crashing 106 Boeing 747-400s
  - This is 2 planes a week, all year long.



IOM. To Err is Human – Building a Safer Health System. Washington DC: The National Academies Press; 2000



# What will 106 Boeing “Jumbo Jets” look like over one year?



# Revised Estimate

The IOM estimate published in 2000 was based on 1984 data; the basis of the estimate is nearly 3 decades old; an updated estimate developed from modern studies published from 2008 to 2011 puts the figure at about **440,000 preventable deaths / year from medical errors in the US.**

James JT. J Patient Saf 2013;9: 122-128.

# Statistics

- Chance of being harmed in an aircraft?  
**1 in 1,500,000\***
- Chance of being harmed in a hospital?  
**1 in 4\***

*\* CNN report 2014*

*\* N Engl J Med. 2010; 363: 2124-2134*

# Initiative of Medication Safety Program (MSP)

NGHA JCIA-Accreditation  
NOVEMBER 2006

CHIEF EXECUTIVE OFFICER  
JANUARY 2007

MEDICATION SAFETY  
PROGRAM

# Guidelines of BMS Course

- Certification is mandatory for all Healthcare Providers, involved in medication use process.
- Approved by Saudi Commission for Health Specialties for CME hours.
- Certification is valid for two (2) years.
- At the present, the Certification Course is paid for by the organization.



# Goals of BMS Course

- Enhance the knowledge of the healthcare providers about medication safety.
- Promote Safe Medication Practices.
- Promote a Just Culture for reporting and managing medication errors.

# Basic Medication Safety (BMS) Course

- **January 2008:**  
Proposal made to Institute for Safe Medication Practices (ISMP) for establishment of a “BMS” course for Nurses.
- **29 June 2008:**  
1<sup>st</sup> BMS Certification Course for Nurses.
- **30 June 2008:**  
1<sup>st</sup> Saudi International Medication Safety Conference.



# May 2009

The Institute for Safe Medication Practices (ISMP) has endorsed this program on Basic Medication Safety



**Institute for Safe  
Medication Practices**

*a nonprofit organization*



Saudi Medication Safety Center  
المركز السعودي لسلامة الأدوية

# September 2010

- Initially Accredited by





**IMSN** INTERNATIONAL  
MEDICATION  
SAFETY NETWORK

- Global presence at the (IMSN):
  - Dublin, Ireland; November 2007
  - Copenhagen, Denmark; October 2009
  - Ouro Preto, Brazil; September 2010
  - Hong Kong; November 2011
  - Abu Dhabi, UAE; November 2012
  - Paris, France; October 2013
  - Singapore; October 2014
  - Cartagena, Colombia; October 2015

<http://www.intmedsafe.net/>

## Basic Medication Safety (BMS) Course

The **Basic Medication Safety (BMS) Course** developed in 2008 by the **Saudi Medication Safety Center (SMSC)** is designed for any healthcare provider involved in the medication use process - e.g., physicians, dentists, pharmacists, nurses, respiratory therapists, etc.

Certification is valid for a period of two years, after which time it must be renewed. The Course curriculum is revised every two (2) years.



The learning objectives of the BMS course are to:

- identify Human Factors associated with medication errors
- explain the concept of a Just Culture
- review definitions related to medication safety
- discuss the impact of latent failures on medication safety

### The Basic Medication Safety (BMS) Course Agenda

PowerPoint Lectures

- Introduction to the Basic Medication Safety (BMS) Course [Download](#)
- Overview of Medication Errors [Download](#)
- Look-Alike & Sounds-Alike Medications & Error-Prone Abbreviations [Download](#)
- Medication Allergy & Hypersensitivity [Download](#)
- High Alert Medications & Concentrated Electrolytes [Download](#)
- Safeguards to Prevent Medication Errors [Download](#)
- Medication Error & Near Miss Reporting [Download](#)
- Clinical Pearls & Take Home Messages [Download](#)

[IMSN satellite meetings](#)

[Medication safety curricula](#)

[Medication Safety: an International Experience](#)

[Practicum in Medication Safety for International Practitioners](#)

[Basic Medication Safety \(BMS\) Course](#)

[WHO Education & Training](#)

[IMSN members events](#)

**Safe Patient Care Is Our Goal**

