IMPLEMENTING ISO9001:2008 QUALITY MANAGEMENT SYSTEM TO MINIMIZE THE RISK OF MEDICAL EVENT

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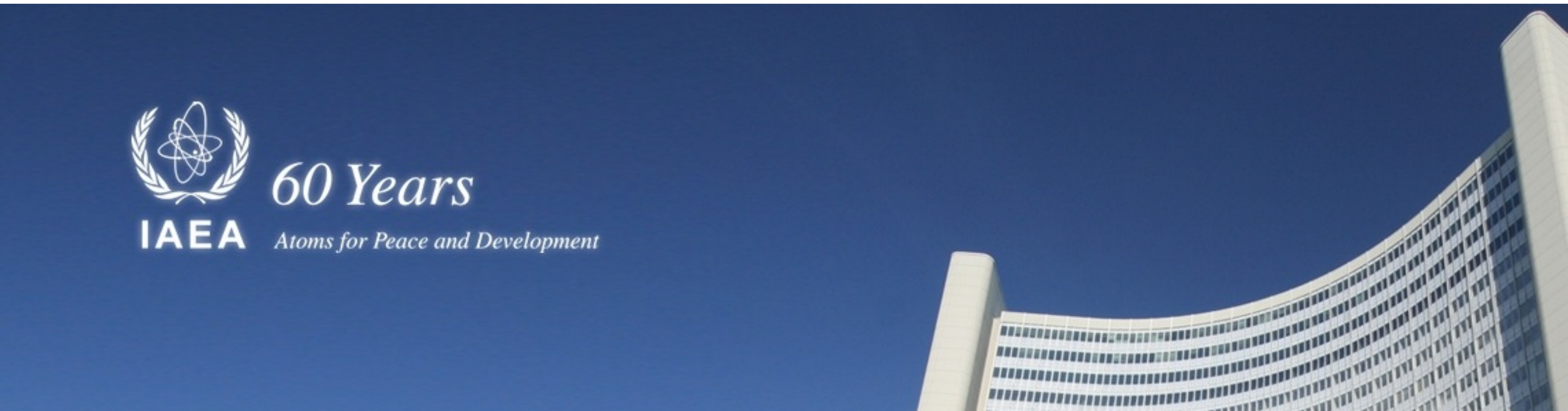
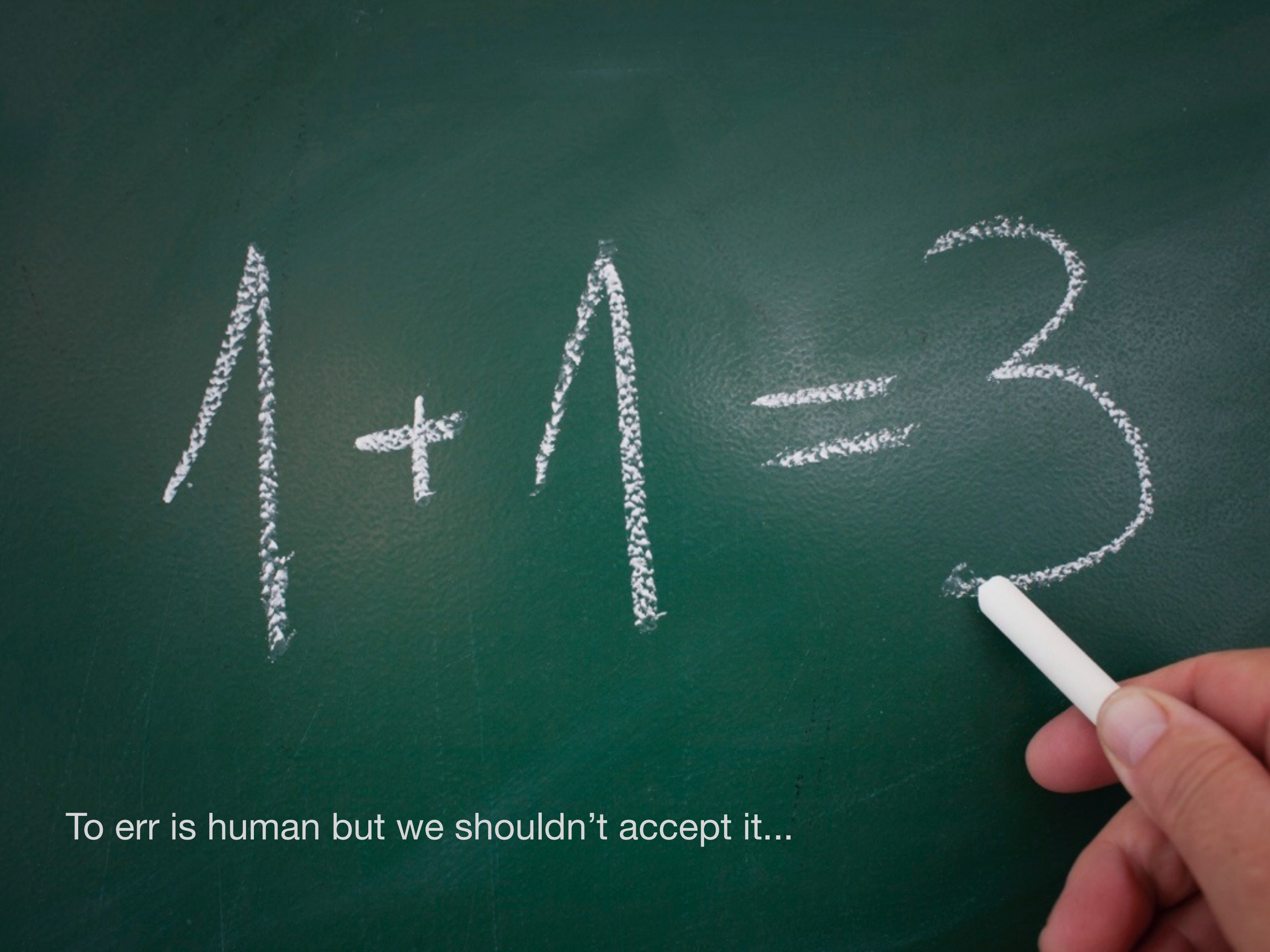
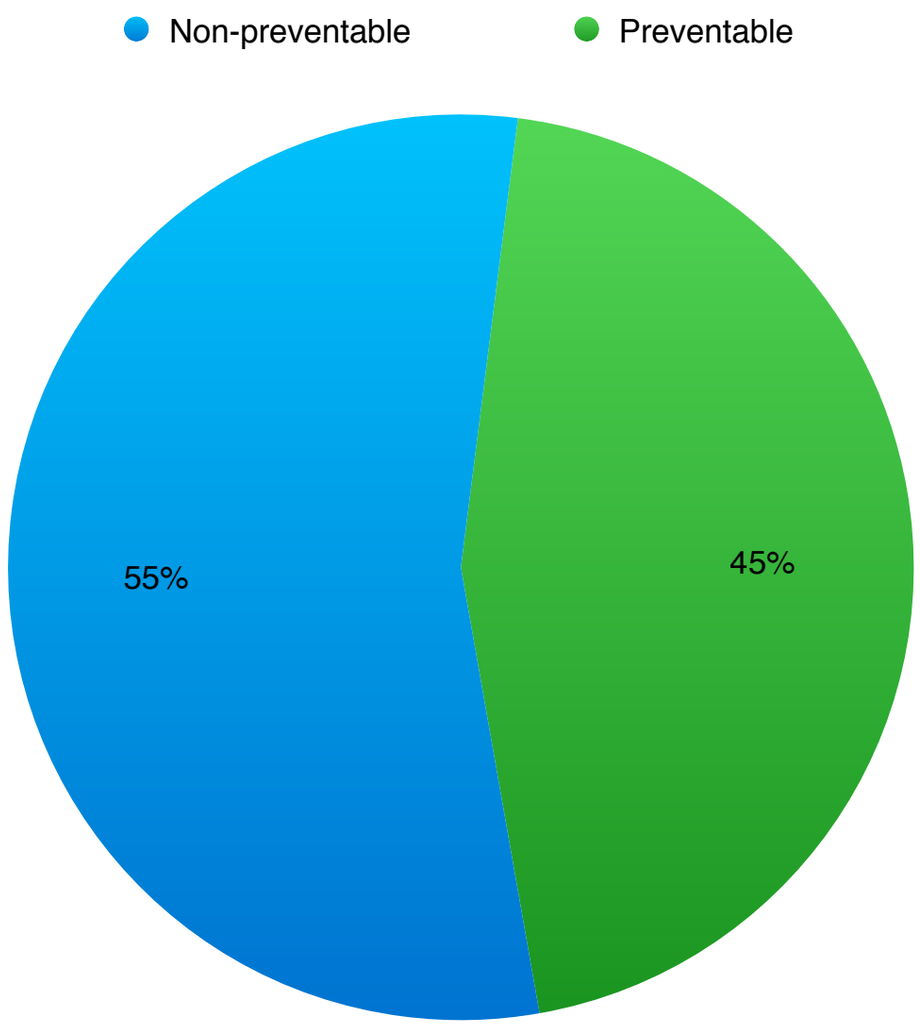




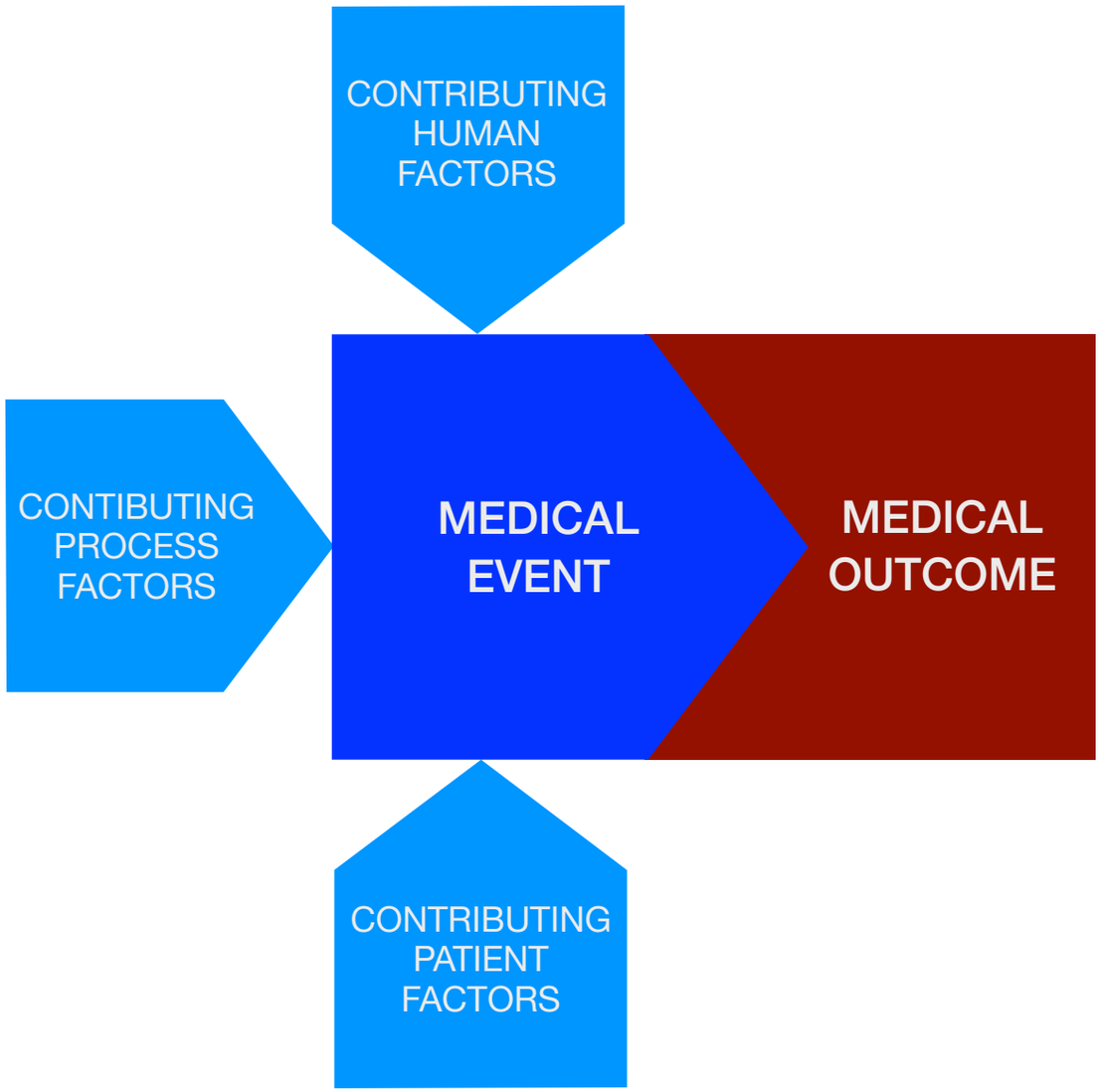
To err is human but we shouldn’t accept it...

Medical errors cost $37 billion/year

Deaths due to medical error 44000/year



SOURCE: http://iom.edu/~/media/Files/Report%20Files/1999/To-Err-is-Human/To%20Err%20is%20Human%201999%20%20report%20brief.pdf


CONTRIBUTING HUMAN FACTORS
CONTIBUTING PROCESS FACTORS
MEDICAL EVENT
MEDICAL OUTCOME
CONTRIBUTING PATIENT FACTORS

Systemic approach to error prevention is needed

MEDICAL EVENTS IN PROSTATIC BRACHYTHERAPY

- Errors are events in your practice that make you conclude: “that was a thread to patient well-being and should not happen. I don’t want it to happen again”

- Such an event affects or could affect the quality of the care you give your patients

- Errors may be large or small, administrative or clinical, or actions taken or not taken

- Errors may or may not have discernable effects

- Errors are anything that you identify as something wrong, to be avoided in the future

Makeham MAB, Stromer S, Bridges-Webb C et al. Patient safety events reported in general practice: a taxonomy. Qual Saf Health Care. 2008;17:53-57.

ACMUI endorses ASTRO-recommended definition of medical event

Rockville, Md., February 13, 2012

At ASTRO's urging, on February 7 the Nuclear Regulatory Commission's (NRC) Advisory Committee on the Medical Use of Isotopes (ACMUI) reconsidered its proposed **definition of medical event** for permanent implant brachytherapy and instead endorsed a definition that more closely resembles an ASTRO-recommended definition. The new definition tracks closely with the definition that **ASTRO offered in April 2011**, and it follows a November 30, 2011, ASTRO request for ACMUI to revise an earlier definition that ASTRO believed was overly complex. Both ACMUI's new definition and ASTRO's definition rely on determining medical events based on activity, rather than dose. In addition, the ACMUI definition allows for the authorized user to complete the written directive before the patient has been released from the authorized user's control and to include all details of the procedure, including any unusual aspects of the procedure. The NRC is working on changes to the rule governing the use of medical isotopes, including the definition of medical event. A draft rule is expect by the end of 2012, with a final rule in December 2014. For more information, please contact **Cindy Tomlinson**.

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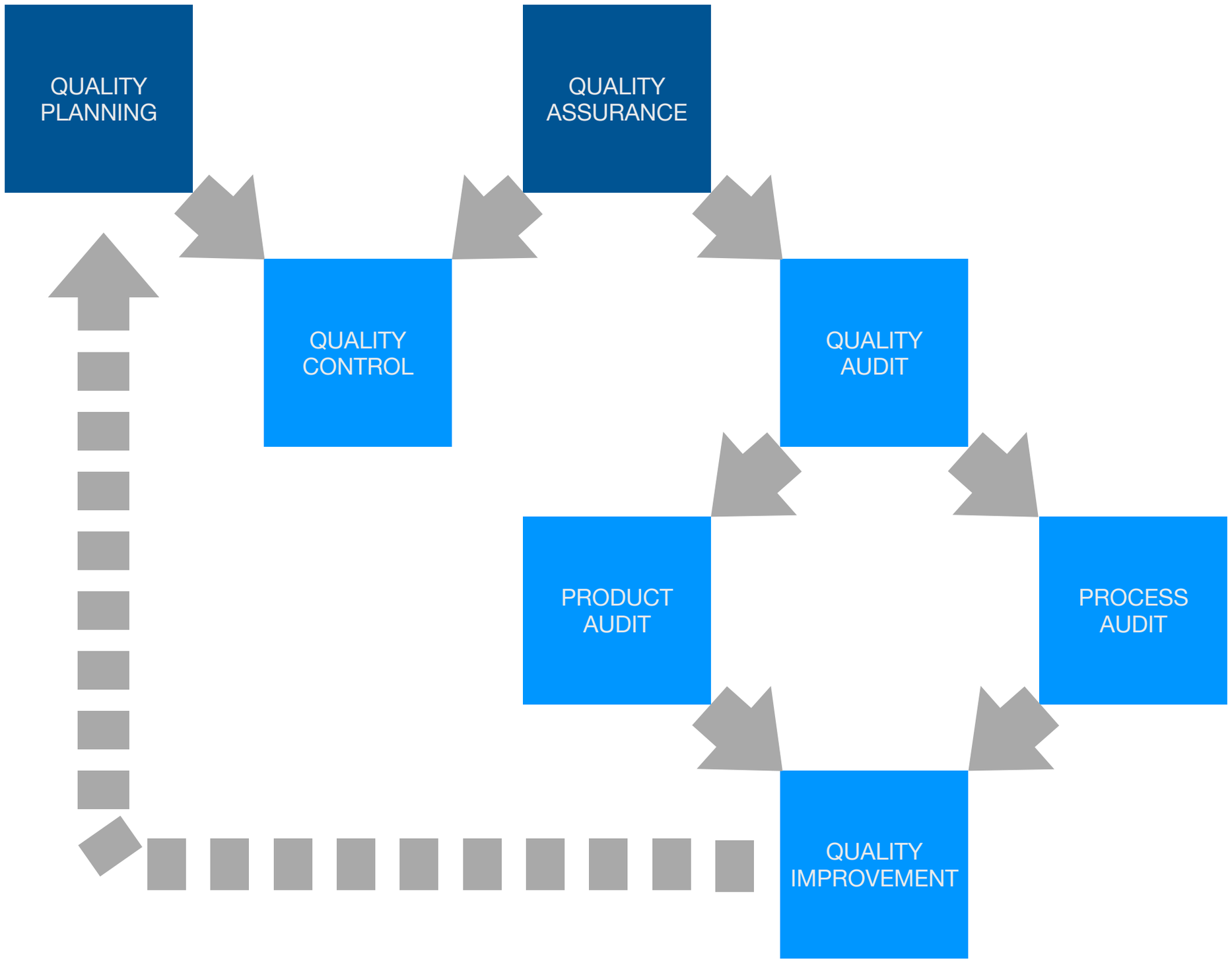
Content last updated 2/20/2012

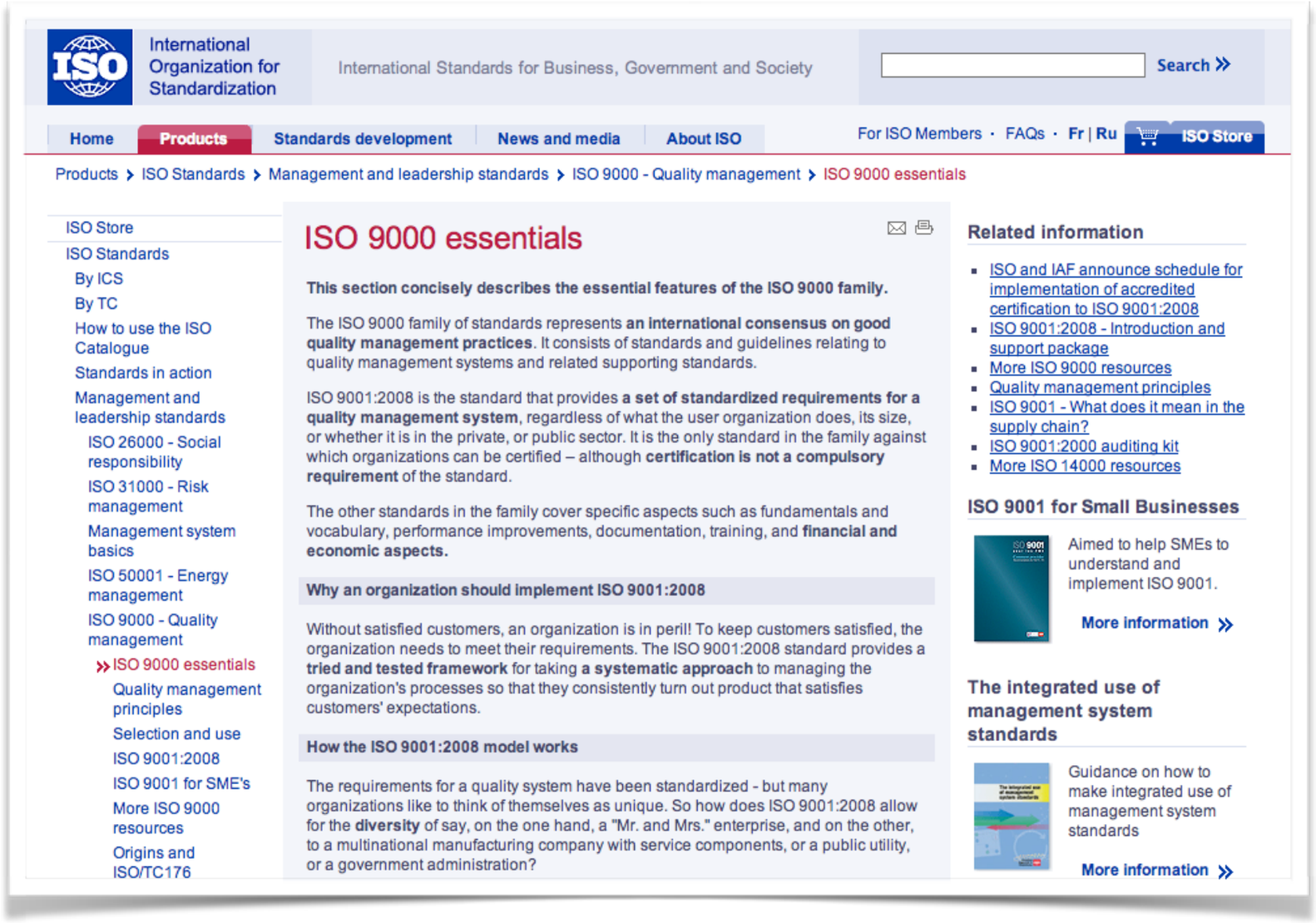
https://www.astro.org/Advocacy/Whats-Happening-In-Washington/2012/ACMUI-endorses-ASTRO-recommended-definition-of-medical-event.aspx

IMPLEMENTING QUALITY MANAGEMENT SYSTEMS IN BRACHYTHERAPY

A GENERIC QUALITY MANAGEMENT SYSTEM IN BRACHYTHERAPY

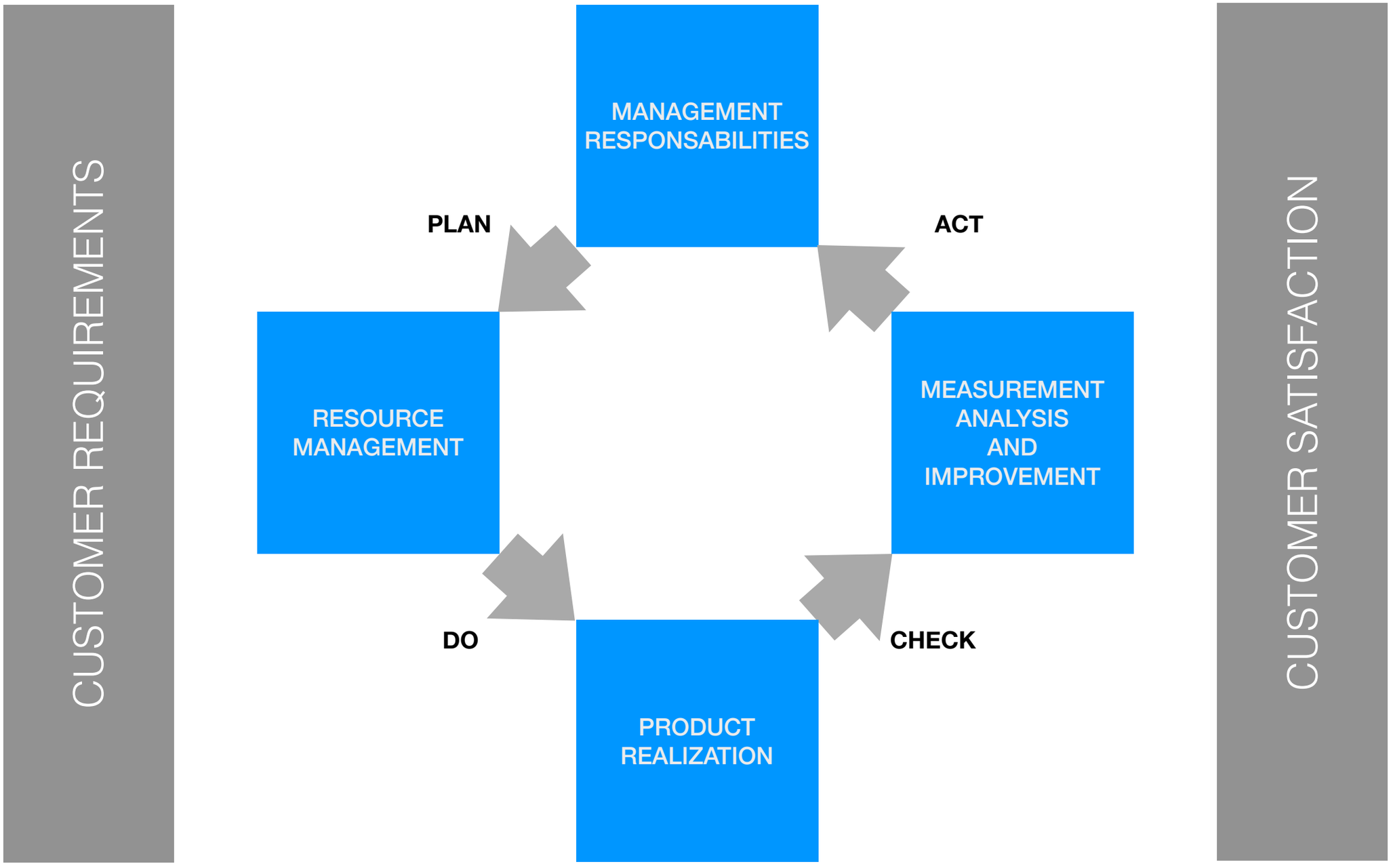


Inspired by: Thomadsen BR. Achieving Quality in Brachytherapy (Series in Medical Physics and Biomedical Engineering). Taylor \& Francis; 1999:252.



http://www.iso.org/iso/iso_9000_essentials

CONTINUAL IMPROVEMENT (PLAN-DO-CHECK-ACT)



CONCLUSION