


Rate of adherence to treatment recommendations (TREATRE) based on high quality literature: a clinical audit project

Authors: Koch, F. Di Stilio, G. Gíglar, M.C. Brema, G. Bledel, I. Federik, M. Masgoret, P. Panigadi, G. Gómez, E. Gonzalez Malla, C. Catalano, H.N.

Hospital Alemán
Buenos Aires, Argentina



Background

- Although Evidence Based Medicine is the new paradigm for practicing medicine, moving from evidence to practice seems to be difficult.
- Studies in the USA and the Netherlands suggest that about 30–40% of patients do not receive care according to present scientific evidence, and about 20–25% of care provided is not needed or is potentially harmful (1)

1- Groll R, Grimshaw J. Lancet 2003; 362: 1225-30

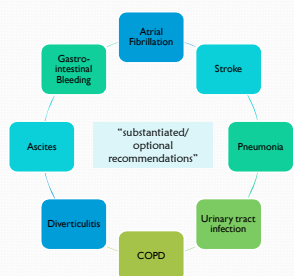
Objective

- To assess the adherence of physicians on treatment recommendations and the level of performance under different literature quality scenarios

Methods

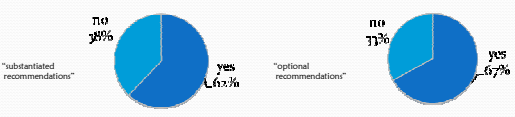
1- Guidelines assessment

2- Retrospective analysis of inpatients clinical records in a private community hospital.



Results

- 916 medical records reviewed from 2003 to 2008. 724 were included.
- We identified a total of 6513 opportunities to practice the recommendations. Exactly 4186 (64% 95% CI 63-65) opportunities were registered as adherent to the recommendations and 2327 (36% 95% CI 34-37) were not.
- The adherence probability, if the recommendation was supported by high quality literature showed an OR = 0.8 (95% CI 0.72 - 0.89).



Conclusions

- Almost 40% of opportunities to practice evidence based medicine using good quality evidence were missed at our practice.
- Our results are similar to others in different parts of the world.
- It reflects the need of keep working on education, specially on critical appraisal of the medical literature.

*Bibliography
 *Groll R, Grimshaw, J. From best evidence to best practice: effective implementation of change in patients' care. Lancet 2003; 362: 1225-30
 *Gruner IK, Mc Clynn E, Brook R. How good is the quality of health care in the United States? Milbank Q 1998; 76: 517-63
 *Groll R. Success and failure in the implementation of evidence-based guidelines for clinical practice. Med Care 2001; 39 (suppl 2): 46-54.

