

Convention Nazionale
L'Eccellenza Professionale nell'era della Clinical Governance
Bologna, 27 novembre 2009

Focus on... Implementation science

Esistono strategie efficaci per modificare i comportamenti professionali?

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Precisazione semantica

LINGUAGGIO COMUNE

Implementazione = applicazione (pratica)

RESEARCH LANGUAGE

Implementation = changing professional behaviours

Implementazione= modifica dei comportamenti professionali

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1. Background

- Esistono numerosi gap tra le migliori evidenze scientifiche disponibili e la pratica professionale



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1. Background

- Accanto alla mancata prescrizione di interventi sanitari efficaci, si assiste al continuo utilizzo di interventi inefficaci, se non addirittura dannosi per i pazienti

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Stime dell'inappropriatezza

Inappropriatezza in difetto

- 30-45 % of patients are not receiving care according to scientific evidence



Schuster et al. Milbank Q, 1998
Grol R. Med Care, 2001

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Stime dell'inappropriatezza

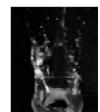
Inappropriatezza in difetto

- 30-45 % of patients are not receiving care according to scientific evidence



Inappropriatezza in eccesso

- 20-25 % of the care provided is not needed or could potentially cause harm



Schuster et al. Milbank Q, 1998
Grol R. Med Care, 2001

1. Background

- Secondo il modello tradizionale, il trasferimento delle nuove conoscenze alla pratica professionale avviene in maniera lineare:



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1. Background

- Il modello tradizionale è inefficace perché:
 - i professionisti non sempre acquisiscono le conoscenze necessarie alla propria pratica
 - la pratica professionale viene influenzata dalle nuove evidenze solo parzialmente.

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Consistenti evidenze scientifiche dimostrano che la diffusione passiva delle linee guida non modifica comportamenti professionali

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Cabana MD, Rand CS, Powe NR, et al.

Why don't physicians follow clinical practice guidelines? A framework for improvement

JAMA 1999;282:1458-65

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Perché i medici non seguono le linee guida?

1. Internal Barriers

- Lack of Awareness
- Lack of Familiarity
- Lack of Agreement
- Lack of Self-efficacy
- Lack of Outcome Expectancy
- Inertia of Previous Practice

→ Conoscenze

→ Attitudini

2. External Barriers

- Guideline-Related Barriers
- Patient-Related Barriers
- Environmental-Related Barriers

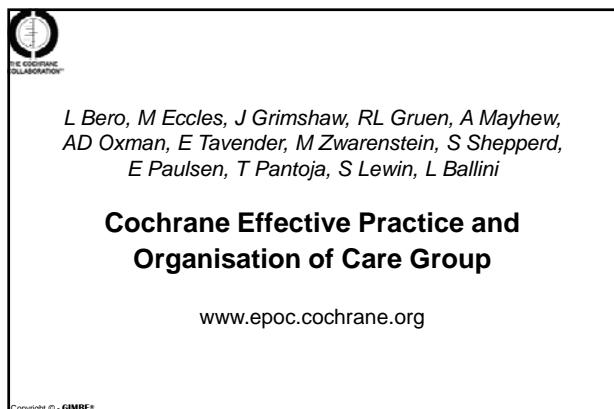
→ Comportamenti

Cabana MD, et al. JAMA 1999

1. Background

- Nell'era della clinical governance, l'organizzazione sanitaria non può mantenere il ruolo di "spettatore passivo"
- La direzione aziendale, supportata dagli uffici di staff e in collaborazione con i professionisti, deve **sviluppare, attuare e verificare un piano di cambiamento efficace e sostenibile**, facendo riferimento alle migliori evidenze scientifiche

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**EPOC taxonomy of interventions
for changing practice**

- Professionali
- Mediati dai pazienti
- Strutturali
- Organizzativi
- Finanziari
- Regolatori

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Solberg LI

**Guideline implementation
What the literature doesn't tell us**

Jt Comm J Qual Improv 2000;26:525-37

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- Reviews of guideline implementation trials have **focused on how to change the behavior of individual clinicians.**
- There has been **little attention to the impact of practice systems or organizational support of clinician behavior**, the process by which change is produced, or the role of the practice environmental context within which change is being attempted.

Solberg LI. Jt Comm J Qual Improv 2000

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Implementation Science

Systematic Review
Organizational interventions to implement improvements in patient care: a structured review of reviews
Michel Wensing*, Hub Wollersheim and Richard Grol

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Published: 22 February 2006
Accepted: 06 November 2005
Accepted: 22 February 2006
doi:10.1186/1748-5966-1-2

Conclusion: There is a growing evidence base of rigorous evaluations of organizational strategies, but the evidence underlying some strategies is limited and for no strategy can the effects be predicted with high certainty.

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EPOC taxonomy of interventions for changing practice

- Professionali
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Table 1. Classification of Professional Interventions from EPOC Taxonomy

| |
|--|
| a) Distribution of educational materials—distribution of published or printed recommendations for clinical care, including clinical practice guidelines, audio-visual materials, and electronic publications |
| b) Educational meetings—health care providers who have participated in conferences, lectures, workshops, or traineeships |
| c) Local consensus processes—local consensus processes in discussion to ensure that they agreed to the chosen clinical problem was important and the approach to managing the problem was appropriate |
| d) Educational outreach visits—use of a trained person who met with providers in their practice settings to give information with the intent of changing the provider's practice |
| e) Local opinion leaders—use of providers nominated by their colleagues as "educationally influential." The investigators must have explicitly stated that these colleagues identified the opinion leaders |
| f) Patient mediated interventions—new clinical information (not previously available) collected directly from patients and given to the provider, e.g., depression scores from an instrument |
| g) Audit and feedback—any summary of clinical performance of health care over a specified period of time |
| h) Reminders—use of personal interviewing, group discussion ("focus groups"), or a survey of targeted providers to identify barriers to change and subsequent design of an intervention that addresses identified barriers |
| i) Marketing—use of personal interviewing, group discussion ("focus groups"), or a survey of targeted providers to identify barriers to change and subsequent design of an intervention that addresses identified barriers |
| j) Mass media—varied use of communication that reached great numbers of people including television, radio, newspapers, posters, leaflets, and brochures, alone or in conjunction with other interventions; and (k) targeted at the population level |

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STRATEGIE DI IMPLEMENTAZIONE Valutiamone insieme l'applicabilità



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EPOC: professional interventions

a) Distribution of educational materials

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EPOC: professional interventions

b) Educational meetings

- Health care providers who have participated in conferences, lectures, workshops, or traineeships

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EPOC: professional interventions

c) Local consensus processes

- Inclusion of participating providers in discussion to ensure that they agreed that:
 - the chosen clinical problem was important
 - the approach to managing the problem was appropriate

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EPOC: professional interventions

d) Educational outreach visits

- Use of a trained person who met with providers in their practice settings to give information with the intent of changing the provider's practice

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EPOC: professional interventions

e) Local opinion leaders

- Use of providers nominated by their colleagues as "educationally influential". The investigators must have explicitly stated that their colleagues identified the opinion leaders

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EPOC: professional interventions

f) Patient mediated interventions

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EPOC: professional interventions

g) Audit and feedback

- Summary of clinical performance of health care over a specified period of time

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EPOC: professional interventions

h) Marketing

- Use of personal interviewing, group discussion ("focus groups"), or a survey of targeted providers to identify barriers to change and subsequent design of an intervention that addresses identified

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EPOC: professional interventions

i) Reminders

- Patient or encounter-specific information, provided verbally, on paper or on a computer screen that is designed or intended to prompt a health professional to recall information

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EPOC: professional interventions

j) Mass media

- Varied use of communication that reached great numbers of people including television, radio, newspapers, posters, leaflets, and booklets

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- Bero LA, Grilli R, Grimshaw JM, et al. Closing the gap between research and practice: an overview of systematic reviews of interventions to promote the implementation of research findings. *BMJ* 1998;317:465-468

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EPOC: professional interventions

CONSISTENTLY EFFECTIVE

- Educational outreach visits (drugs)
- Reminders
- Interactive educational workshops
- Multifaced interventions

Cochrane EPOC Group Reviews'. 2009
Bero L, et al. BMJ 1998 - Grol, et al. Lancet 2003
Grimshaw JM, et al. HTA 2004 - Grimshaw JM, et al. J Gen Intern Med 2006

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EPOC: professional interventions

VARIABLE EFFECTIVENESS

- Audit and feedback
- Local opinion leaders
- Local consensus processes
- Patient mediated interventions
- Mass-media
- Marketing

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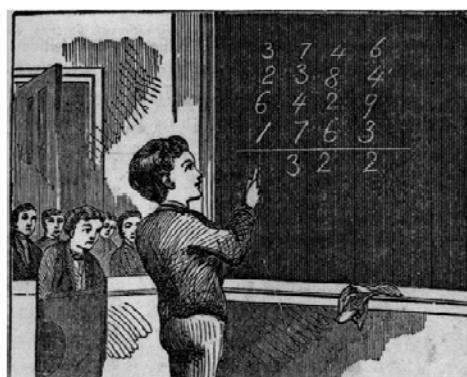
EPOC: professional interventions

LITTLE OR NO EFFECT

- Distribution of educational materials
- Didactic educational meetings

Cochrane EPOC Group Reviews'. 2009
Bero L, et al. BMJ 1998 - Grol, et al. Lancet 2003
Grimshaw JM, et al. HTA 2004 - Grimshaw JM, et al. J Gen Intern Med 2006

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Tirando le somme...

- L'*implementation science* ha valutato prevalentemente le strategie per modificare il comportamento individuale dei professionisti
- Le revisioni sistematiche sull'efficacia dei vari interventi sui professionisti dimostrano:
 - Modesta qualità della ricerca
 - Risultati dei singoli studi ampiamente variabile (elementi di contesto?)
 - Sprechiamo troppe risorse per interventi di documentata inefficacia

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Tirando le somme...

- Non esistono *magic bullets* per modificare i comportamenti professionali
- Il piano di implementazione deve sempre considerare:
 - Efficacia delle singole strategie
 - Ostacoli e barriere al cambiamento
 - Motivazioni e incentivi al cambiamento
- I migliori risultati si ottengono utilizzano multiple strategie di implementazione che, individualmente, collegano i singoli interventi agli ostacoli ed alle motivazioni locali

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