Pitches - Focus Group Meeting 1 - Wednesday, 24 June 2020

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Building-up Trust by Co-Designing Digital Tools with Health Professionals: A New Paradigm

- In order to engage more the stakeholders and create trust between them we need to change how we design and implement digital health systems: to speak the same language!

- We need to change the culture and how we build digital systems by involving health professionals, managers, researchers, etc. We do not take implementation seriously!!!

- Researchers and Experts are very often put aside the implementation process because the "IT project leaders", or the "Software Vendors" "Know it all!": This is a big mistake with huge costs!

- Implementation Science, like Design Science Research Methodologies, is crucial to allow for the translation of evidence and of standards into the real-world implementations.



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We have to tackle a set of "complex" barriers...mainly related with organisational and management issues: Where is the value for the health professionals?

Hospital organisation, management, and structure for prevention of health-care-associated infection: a systematic review and expert consensus

Walter Zingg, Alison Holmes, Markus Dettenkofer, Tim Goetting, Federica Secci, Lauren Clack, Benedetta Allegranzi, Anna-P Didier Pittet, for the systematic review and evidence-based guidance on organization of hospital infection control programm

Despite control efforts, the burden of health-care-associated infections in Europe is high a 37000 deaths each year. We did a systematic review to identify crucial elements for the organ infection-prevention programmes in hospitals and key components for implementation of mo published from 1996 to 2012 were assessed and ten key components identified: organisation of inf hospital level; bed occupancy, staffing, workload, and employment of pool or agency nurses; availa access to materials and equipment and optimum ergonomics; appropriate use of guidelines; edu auditing; surveillance and feedback; multimodal and multidisciplinary prevention program behavioural change; engagement of champions; and positive organisational culture. These cor manageable and widely applicable ways to reduce health-care-associated infections and improve p

Introduction

Health-care-associated infections (HAIs) affect millions of patients worldwide every year.¹² In the European Union (EU) alone, the estimated number of HAIs is 4544100 annually, leading directly to around 37000 deaths and 16 million extra days of hospital stay.³ Several evidencebased practice guidelines have been published in the past decade⁺¹² but, despite evidence suggesting that good practice strategies are sufficient, hospitals struggle to comply.¹³⁻¹⁷ The systematic review and evidence-based guidance on organisation of hospital infection control programmes (SIGHT) was funded by the European Centre

arrangements to implement infe grammes, including access to qualifi professionals and the roles of manag committees; targets and methods o outbreak management, and the role o and effectiveness of educating and workers (HCWs); effectiveness of behavioural change and quality of o the context of multimodal prevent overview and effectiveness of local policies and resources

overview and effectiveness of local policies and resources for standard and transmission-based isolation precautions (figure 1) (B Allegranzi MD); European Centre for Disease Prevention



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POLICY AND PRACTICE

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The contribution of eHealth and mHealth to improving the performance of the health workforce: a review

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The co-design process is a good instrument to maintain everyone engaged, and to "find time" to align the working processes with the system.

Some observed implementation obstacles often blocking the process:

- the lack of real political support: "Is very important but we do not have resources to allocate"
- the game of economic and political interests: Showing the Value! Showing that Information Systems can help us address our problems!
- bad timing for a change in the organization (e.g. due to a board changes or a HRH shortages).

Important factors to consider:

- the multi-players' way of dealing with the processes of change & reorganization of their routines: digital systems have to be strongly supported by working processes
- find ways to improve translation capacity: terminology, standards, interfaces' usability, etc.
- Be ready to deal with the lack of available time from the information systems' department staff and technical issues (such as delays for bureaucratic authorizations).

