



COINs17

7th International Conference on Collaborative Innovation Networks

RESILIENCE THROUGH COINs

September 14th -17th 2017, Detroit, Michigan, USA

Healthcare Track: Improving Resilience of Healthcare Systems

This track aims at collecting relevant and robust contributions that advance both theory and practice in building Resilient Healthcare Systems through Collaborative Innovation Networks.

The topic is at the same time scholarly interesting and practically relevant.

The Healthcare Systems of the most developed countries are stressed by external and internal forces and unlikely will be sustainable in the next future: policy-makers, hospital managers and professionals are searching for improvement strategies to guarantee the delivery of high-quality, low-cost and safe care.

Generally, the term resilience describes the ability to cope with internal and external shocks. Resilient Organizations manage to adapt for a change of environment. This concept applies also to Healthcare organizations which - beyond the current crisis - constantly face stress, shocks, crises and change of environment: e.g. demographic change, rising health care costs, the obesity epidemic and pandemic outbreaks (Maresso et al., 2013).

Building resilience is a context-dependent and iterative process. Authors in diverse fields such as ecology, engineering, complex adaptive systems, psychology, and public health have produced resilience frameworks trying to advance assessments of system capacities and weaknesses, investments in vulnerable components of the system before a crisis, reinforcements during the emergency, and review of performance after a crisis.

Resilient Healthcare Systems are ideally: aware (i.e. confident of the areas of strength and vulnerability), diverse (i.e. able to address a broad range of health challenges), self-regulated (i.e. capable to isolate health threats and avoid propagating instability throughout the system), integrated (i.e. able to bring together different actors, ideas, and groups to formulate solutions, adaptive (i.e. flexible and reactive to enhance performance in the short term and, ideally, contribute to build long-term resilience). In short, they show all properties of Collaborative Innovation Networks (COINs).

Information sharing, communication, and coordination of multiple actors through internal and external process networks – innovatively supported by new technologies – are focal factors enabling smart monitoring, control, integration and flexibility of the Healthcare networks, and thus potentially effective drivers of change for the system.

This track invites original contributions to stimulate the debate about the role of resilience in healthcare system, with respect – but not limited – to the following perspectives:

- (i) What does Resilience in healthcare systems actually mean? How can we measure it? Which are possible enablers, drivers and factors boosting resilience in these kinds of systems?
- (ii) How might COINs assist in building resilient healthcare systems or improve resilience in existing ones?
- (iii) How might research on Big Data help decision-making and management in healthcare?
- (iv) How do healthcare decision-makers contribute at different levels to build resilience of healthcare organizations?
- (v) How can performance be measured in healthcare to facilitate the convergence toward resilience?
- (vi) Which role does qualitative/quantitative research play within such a framework?
- (vii) Do experiments, simulations, process-mining techniques generate evidence that matters in building Healthcare resilience?

We invite contributions dealing with either methodological/theoretical issues or empirical investigations. The track is open to a broad audience aiming to stimulate cross-sector debates among academics and practitioners.

Authors of high quality papers will be invited to submit an extended version to the special issue on "Evidence-Based Management for Performance Improvement in Health Care" in Management Decision journal (<http://emeraldgroupublishing.com/products/journals/journals.htm?id=md>). Papers will undergo to a double blind peer review process.

See the general COINs' Call for Paper for more details about submission deadlines and formats of papers.

Track Chairs

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