

## Special Issue

# Statistical Process Monitoring in Healthcare

### Message from the Guest Editor

Healthcare organizations are continuously involved in quality improvement programs, and performance indicators are often suggested as key elements to capture information on clinical, organizational, and financial processes. The challenge is thus to select useful statistical tools for accurately monitoring and providing benchmarks for such indicators. Statistical process control (SPC) provides a methodological approach both for assessing undisturbed, or steady-state, process behaviour and for detecting positive or negative changes in performance. Control charts are one of the primary tools used in SPC and are being increasingly adopted in healthcare to aid in process understanding, to assess process stability and to identify changes that indicate either the improvement or deterioration in quality. This Special Issue aims to bring together state-of-the-art research and practical applications of statistical process control in the healthcare framework.

---

### Guest Editor

Prof. Michele Scagliarini  
Department of Statistical Sciences, University of Bologna

---

### Deadline for manuscript submissions

closed (31 March 2021)



## Healthcare

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.7  
CiteScore 5.5  
Indexed in PubMed



[mdpi.com/si/38864](https://mdpi.com/si/38864)

*Healthcare*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[healthcare@mdpi.com](mailto:healthcare@mdpi.com)

[mdpi.com/journal/  
healthcare](https://mdpi.com/journal/healthcare)





# Healthcare

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.7  
CiteScore 5.5  
Indexed in PubMed



[mdpi.com/journal/  
healthcare](https://mdpi.com/journal/healthcare)



## About the Journal

### Message from the Editor-in-Chief

*Healthcare* is an international, peerreviewed, open access, multidisciplinary journal. Original research articles, short communications, review articles, and symposium highlights are welcomed.

*Healthcare* hopes to influence global health and disease aspects, and hopes to gain high visibility and acceptance by the scientific and healthcare community and will dedicate itself to covering special and specific topics in special issues.

We would be pleased to welcome you as one of our authors.

---

### Editor-in-Chief

Prof. Dr. Lorraine S. Evangelista

Sue & Bill Gross School of Nursing, University of California, Irvine, CA  
92697, USA

---

### Author Benefits

#### High Visibility:

indexed within Scopus, SCIE and SSCI (Web of Science), PubMed, PMC, and other databases.

#### Journal Rank:

JCR - Q2 (Health Policy and Services) / CiteScore - Q1 (Leadership and Management)

#### Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 22.4 days after submission; acceptance to publication is undertaken in 2.9 days (median values for papers published in this journal in the second half of 2025).