

# Accepted Manuscript

Quality and accuracy of electronic pre-anesthesia evaluation forms

Meshari Almeshari , Mohamed Khalifa , Ashraf El-Metwally ,  
Mowafa Househ

PII: S0169-2607(18)30062-2  
DOI: [10.1016/j.cmpb.2018.03.006](https://doi.org/10.1016/j.cmpb.2018.03.006)  
Reference: COMM 4646



To appear in: *Computer Methods and Programs in Biomedicine*

Received date: 12 January 2018  
Revised date: 21 February 2018  
Accepted date: 9 March 2018

Please cite this article as: Meshari Almeshari , Mohamed Khalifa , Ashraf El-Metwally , Mowafa Househ , Quality and accuracy of electronic pre-anesthesia evaluation forms, *Computer Methods and Programs in Biomedicine* (2018), doi: [10.1016/j.cmpb.2018.03.006](https://doi.org/10.1016/j.cmpb.2018.03.006)

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

**Highlights**

- Pre-anesthetic evaluation is extremely important in reducing morbidity and mortality through the review of the patient's medical history, targeted clinical studies, clinical examination, and providing referrals for medical consultations when appropriate.
- The study demonstrates that the electronic pre-anesthesia form has better data quality and meets the expectations of anesthetists
- Electronic pre-anesthesia form markedly supports to reduce time-consuming tasks, captures more details and provides immediately available data for quality assurance activities.

**QUALITY AND ACCURACY OF ELECTRONIC PRE-ANESTHESIA EVALUATION FORMS**

Meshari Almeshari<sup>a\*</sup>, Mohamed Khalifa<sup>b</sup>, Ashraf El-Metwally<sup>c</sup>, and Mowafa Househ<sup>a</sup>

<sup>a</sup> Department of Health Informatics, College of Public Health and Health Informatics, King Saud Bin Abdulaziz University for Health Sciences, National Guard Health Affairs, Riyadh, Saudi Arabia. King Saud Bin Abdulaziz University for Health Sciences, King Abdullah International Medical Research Center, Ministry of National Guard, Riyadh, Saudi Arabia: Email: [MeshariM@ngha.med.sa](mailto:MeshariM@ngha.med.sa)

<sup>b</sup> Centre for Health Informatics, Australian Institute of Health Innovation, Faculty of Medicine and Health Sciences, Macquarie University, Sydney, Australia. Email: [dr.m.khalifa@gmail.com](mailto:dr.m.khalifa@gmail.com)

<sup>c</sup> Docent of Epidemiology, Department of Epidemiology, School of Health Sciences, University of Tampere, Finland; Associate Professor of Epidemiology; College of Public Health & Health Informatics; King Saud Bin Abdulaziz University for Health Sciences; and King Abdullah International Medical Research Center's (KAIMRC); Riyadh, Saudi Arabia: Email: [ashraf.elmetwally@gmail.com](mailto:ashraf.elmetwally@gmail.com)

**\*<sup>1</sup> Corresponding Author:**

Mowafa Househ,

Associate Professor of Epidemiology, Epidemiology & Biostatistics Department,

College of Public Health & Health Informatics,

King Saud Bin Abdulaziz University for Health Sciences, P.O. Box: 2350, Riyadh, Saudi Arabia

Email: [mowafah@gmail.com](mailto:mowafah@gmail.com),

Tel: +966541860424, Fax: +965401299999.

Download English Version:

<https://daneshyari.com/en/article/6890915>

Download Persian Version:

<https://daneshyari.com/article/6890915>

[Daneshyari.com](https://daneshyari.com)