

Azizi Amirabbas 1

Hasibian Mohammad-Reza 2*

Tara Mahmood 3

1- PhD Candidate in Medical Informatics, (Mash.U.M.S)

1- Instructor in Management and Health Information Technology (Ahw.U.M.S)

2- Instructor in Medical Informatics Department, (Mash.U.M.S)

3- Assistant Prof. of Medical
Informatics (Mash.U.M.S)

*** Corresponding author:**

Department of Medical Informatics, School of Medicine, the Campus of Universit, Azadi SQ. Mashhad, Iran

Tel: 05118002443

E-mail:

HasibianMR@mums.ac.ir

Journal of Medical Council of Islamic Republic of Iran, VOL. 31, NO. 4, Winter 2014: 389-396

● **ORIGINAL ARTICLE** CODE:29

Systematic Review of the Factors Influencing the Implementation and Acceptance of Electronic Health Records

Abstract

Introduction: This study is aimed at extracting the factors which affecting the implementation and acceptance of electronic health records through a systematic review of articles related to health information domain.

Methods: In this study, using a five-stage researching strategy, 194 relevant articles of the four scientific databases including PubMed, ScienceDirect, Cochrane Library, and CINAHL were extracted, and after applying the exclusive criteria, were conceptually analyzed for the variety of presented factor affecting the adoption and acceptance of electronic health records.

Results: These factors were then organized and categorized into three categories of facilitators, barriers, and dual-role factors.

Conclusion: The final result presented a table of concept factors that could inform health system's manager in his/her further decision on adoption, and implementation of EHR systems.

Keywords: Acceptance, Implementation, Systematic Review, Electronic Health Record, EHR