

Accepted Manuscript

Title: Estimating Time Physicians and Other Healthcare Workers Spend with Patients in an Intensive Care Unit Using a Sensor Network

Author: Rachel Butler, Mauricio Monsalve, Geb W. Thomas, Ted Herman, Alberto M. Segre, Philip M. Polgreen, Manish Suneja

PII: S0002-9343(18)30296-1

DOI: <https://doi.org/10.1016/j.amjmed.2018.03.015>

Reference: AJM 14599

To appear in: *The American Journal of Medicine*



Please cite this article as: Rachel Butler, Mauricio Monsalve, Geb W. Thomas, Ted Herman, Alberto M. Segre, Philip M. Polgreen, Manish Suneja, Estimating Time Physicians and Other Healthcare Workers Spend with Patients in an Intensive Care Unit Using a Sensor Network, *The American Journal of Medicine* (2018), <https://doi.org/10.1016/j.amjmed.2018.03.015>.

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.

Estimating time physicians and other healthcare workers spend with patients in an intensive care unit using a sensor network

Rachel Butler, MD¹, Mauricio Monsalve, PhD^{2,5}, Geb W. Thomas, PhD⁴, Ted Herman, PhD⁵, Alberto M. Segre, PhD⁵, Philip M. Polgreen, MD, MPH^{1,2}, Manish Suneja, MD¹

¹Department of Internal Medicine, University of Iowa, Iowa City, Iowa

²Department of Epidemiology, University of Iowa, Iowa City, Iowa.

³Centro de Investigacion para la Gestion Integrada de Desastres Naturales, Chile

⁴Department of Mechanical and Industrial Engineering, University of Iowa, Iowa City, Iowa

⁵Department of Computer Science, University of Iowa, Iowa City, Iowa

Note: The first and second author contributed equally to this manuscript

Corresponding Author:

Manish Suneja MD Professor, Department of Internal Medicine,

University of Iowa Hospitals and Clinics, Iowa City, IA 52242.

Email: manish-suneja@uiowa.edu

Tel.: +1 319 356 1734; Fax: +1 319 356 2940.

Declarations of interest: none

Conflict of interest (for all authors)/funding: none

Author roles: All authors had access to the data and a role in writing the manuscript

Running title: Time spent with patients in an ICU

Key Words: time and motion, sensor networks, contact with patients, time with electronic medical records

Download English Version:

<https://daneshyari.com/en/article/8944098>

Download Persian Version:

<https://daneshyari.com/article/8944098>

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