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## **CODIFICO: Teaching game for health coding**

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Directing health systems requires quality information. The basis for the management of health services are medical diagnostics. Proper and accurate coding is essential for the Colombian health system. In Colombia, whether the hospital has electronic or manual medical records, health professionals encode diagnoses without receiving training on how to do it, but by learning empirically and reproducing information biases where they learn. For this, we are working on the design and implementation of a mobile tool (app) called (CODIFICO) to develop skills in diagnoses coding by playful strategies (gamification). So students of health careers learn to codify diagnoses of diseases not by memory but by associations and pathological themed trees. So that, regardless of the type of medical records system, health professionals can, through learning and fun way, encode properly the diagnostics and this reflects in: Better use of time dedicated to care, better health risk management, and at the macro system, accurate diagnosis needed to provide effective health services. It has been identified that implementation of teaching strategies through technological tools such as m-health enhance learning; this is the technical assumption of this project. We will use a methodology before-after evaluation of the quality metrics in the register of medical diagnosis and analysis of usability of the app. It is expected that by their playful nature, the app can be offered free regardless of language, in the smartphones online stores.

### **Biography**

Sandra Milena Agudelo-Londono is a Health information system Manager and has a Master in Epidemiology from Universidad de Antioquia in Colombia. She is Professor of Health Information Systems and Managerial Epidemiology in Pontificia Universidad Javeriana, Bogotá. She has published several papers in reputed journals and has been serving as the Editorial Board Member of *Health Management and Policy Journal* in her country.

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