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Model of environmentally sustainable benchmarking

María Carmen Carnero Moya
University of Castilla-La Mancha, Spain

Healthcare organizations are the only kind of company which generates all the types of waste: General, urban-like sanitary waste, potentially infectious sanitary waste, bodies and human remains chemical, cytotoxic and radioactive waste. Although it is considered that 20% of all waste generated is dangerous, this quantity may be higher if appropriate separation is not carried out. Nevertheless, despite the influence of healthcare organizations on the environment, there is a severe lack of assessment systems for comparing the results of environmental sustainability between healthcare organizations; this may be due to the lack of common indicators applied or standard benchmarks, different data acquisition procedures, etc. This contribution describes a multicriteria model which facilitates environmental sustainability benchmarking in healthcare organizations. A series of relevant criteria have therefore been defined, suited to the number of services offered by health care organizations. This model allows the environmental situation of an organization to be more objectively assessed and shows how corrective actions or improvements contribute over time to environmental sustainability.

Biography

María Carmen Carnero Moya has a Doctorate in Industrial Engineering from the University of Castilla-La Mancha (2001) and is a University Lecturer at the Technical School of Industrial Engineering at the University of Castilla-La Mancha. She has published two books, four chapters in science books, 43 research articles and 46 contributions to conferences. She was the Lead Researcher in three projects financed by the regional government and has been a part of 16 other European, national, regional and local projects and of five contracts.

Carmen.Carnero@uclm.es

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