



# A Deep-Big Data Approach to Health Care in the AI Age

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## Abstract

The intersection of these two trends is what we call *The Issue* and it is helping businesses in every industry to become more efficient and productive. One's aim is to have an insight into the development and maintenance of comprehensive and integrated health information systems that enable sound policy and effective health system management in order to improve health and health care. Undeniably, different sorts of technologies have been developed, each with their own advantages and disadvantages, which will be sorted out by attending at the impact that Artificial Intelligence and Decision Support Systems have to everyone in the healthcare sector engaged to quality-of-care, i.e., making sure that doctors, nurses, and staff have the training and tools they need to do their jobs.

**Keywords** Artificial intelligence · Decision support systems · Medical imaging · Deep learning · Logic programming · Knowledge representation and reasoning · Artificial neural networks · Big data

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