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#### I. Introduction

In many countries the increasing percentage of the population living in the cities and of elderly population are the main socio-demographic trends. By 2050, about 70 percent of the world's population is expected to reside in urban areas [1] and around 22% of the population will be over 60 years old [2]. These trends make necessary to integrate new technologies and innovative solutions that respond to new environmental, social and healthcare challenges, in order to offer new services that may optimize the quality of life in cities. The latest developments in the sensors networks and cloud technology are providing solutions that can transform our cities into more connected, Sign in to Continue Reading sustainable and collaborative environments. Medical devices had the largest year-over-year increase, in the last five years, around 27 percents, and all of its subsectors had double digit growth. These recent advances in technology expand the traditional means of practicing healthcare through the smart connected healthcare systems that can significantly improve the physiotherapy diagnostic, health condition management and treatment. These technologies are designed to provide better physiotherapist-patient communication, deliver more efficient care and enable remote patient monitoring and independent living solutions.

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