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Nanosensor and actuator technologies for wearable mobile patient monitoring systems: a review. (English) [Zbl 07332004](#)

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Summary: Currently India's population is increasing at the rate of 1.2% and to provide good healthcare services to these people healthcare sector needs a transformation. Information and Communication Technology (ICT) along with nanotechnology revolution has opened up whole new opportunities for developing countries like India to improve the healthcare for the betterment of 1.34 billion lives. With the use of ICT and nano-electronics, we can provide our patients better and specialized healthcare services at a reduced cost. ICT-based healthcare initiatives like eHealth and mHealth includes healthcare centers, mobile telemedicine, electronic patient records, remote patient monitoring, mobile patient monitoring, health surveys, awareness raising, and decision support systems that can play a crucial role towards the accomplishment of development goals to enhance Healthcare services in India. Nanosensors and actuators will play a critical role in the success of these technologies. In this paper, we are going to present a comprehensive review of existing and future wearable healthcare sensor and actuator technologies along with their merits and demerits.

For the entire collection see [\[Zbl 1457.65003\]](#).

MSC:

- 65 Numerical analysis
- 82 Statistical mechanics, structure of matter
- 85 Astronomy and astrophysics

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