

Title: TECHNOLOGY AND HEALTHCARE IN DEVELOPING COUNTRIES

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Abstract:

Technology is advancing rapidly. Assistive technology for healthcare, Especially for aging population, is a research intensive and application driven field throughout the whole world. However in addition to ageing population, there are many other factors which impact human health in developing countries, such as infectious/communicable diseases, emerging diseases, non communicable diseases(eg:diabetics,cvs) ,maternal, perinatal as well as nutritional deficiencies are some of the common problems? In addition, Environmental and Climate changes affect the developing countries where infrastructure is not well developed and preparedness to face disasters are not in place, therefore they take a long time to recover compared to developed economies. Air pollution, smoke from burning forest, sand storms are some of the examples developing countries facing among many others. Availability of safe drinking water is a serious concern. Unsafe water kills 1.7 million (e.g. cholera, diarrhea) Smoke and deforestation kills 1.6 million, Malaria kills 1.2 million, snake, scorpion etc. envenomation kills millions (no proper statistics available). These examples clearly shows the clear link between Health-Environment-Poverty Link. Increased connectivity among doctors, smart phones-based devices/Social Media, Artificial Intelligence - computer based devices, 3D printing of devices/ Assistive Devices/Robots/Cyborgs wearables/ Sensor for diagnosis /Health Check/Progress Online, Mobile educational & consultative options, Robotics and Nanotechnology, Health Analytics are some of the technology solutions to overcome these problems in developing countries.