Dangers Posed by Artificial Intelligence in the Healthcare Industry

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Artificial intelligence is a branch of Computer science that deals with the creation of machines that are intelligent and can react and work like humans (Techopedia, n.d.). Artificial intelligence has been very crucial in the development of various industries such as healthcare, space exploration, retail, military, and agriculture. In a report by PwC, it has been predicted that artificial intelligence could add $15.7 trillion to the global economy by the year 2030 (Forbes, 2017). Artificial intelligence has been extensively applied in the healthcare industry. According to a 2016 report by CB Insights, 86 percent of healthcare facilities, life science companies, and organizations that sell technology to healthcare facilities employed the use of artificial intelligence in their operations. It is expected that by 2020, $54 million will be spent by these organizations on artificial intelligence (Novatio, n.d.). In healthcare facilities, artificial intelligence is used in managing medical records, conducting jobs that are repetitive, the design of treatment procedure, virtual nurses, management of medication, the creation of drugs, monitoring of health, precision medicine, and analysis of healthcare system (Novatio, n.d.).

As seen from the multiple applications of artificial intelligence in the healthcare industry and its expected global rise in the next decade, it is evident that artificial will play an essential role in human health. It is therefore important to minimize the possible dangers posed by artificial intelligence in the healthcare industry. Some problems have already been identified and could be solved by Computer Science. First, the training of artificial intelligence has been termed as complicated. This has been attributed to the lack of curated datasets (Brown, n.d.). Through Computer Science research, better methods of training can be developed with the aim of reducing the complications. Also, in radiology, there is the danger of automation bias when feeding images into the computer (The Medical Futurist, 2017). Automation bias and risk

homeostasis are other dangers posed by artificial intelligence in the healthcare industry. Research

in Computer Science and increasing knowledge in these areas is very crucial.

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