

Implications of Health Information Systems on Medical Technology

Health information systems, overtime, contribute to the overall improvement and advancement of medical systems and healthcare. It paves a way for reducing errors, ensure efficiency, and continually foster patient satisfaction. Furthermore, health information systems are vessels for communication between healthcare workers and providers, ultimately optimizing medication safety when tracking and reporting—especially when working with patient data in the clinical lab. Information systems are bridges for smooth operations when dealing with data and tests, patient information, results, and processes in the clinical laboratory. They ensure that the data medical technologists input into a device are processed efficiently to produce reliable information, especially when dealing with patient information and test results.

Implications of AI systems to do work for Medical Technologists or students

AI systems like *chatgpt* are tools that bring convenience into the life of professionals and students alike. As a Medical Technology student, AI systems aid in our research—how information can be easily accessed anywhere and at any time. They allow us to save time, sufficiently shortening time-consuming, tedious, and meticulous tasks; this is evident in the life of a medical technologist, in the inputting, recording, and processing of patient data and test results. Ultimately, the existence of AI systems meant the existence of convenience. For a student, AI systems, and its various components, are the epitome of “working smart.” Frankly, they have made student life so much easier—and it’s evident in the role they played during online classes, offering efficient support in the lives of both the students and the teachers.

There are, however, negative implications, like how AI systems foster laziness. In the life of a student who is heavily reliant on technology for the completion of their tasks, AI systems take away the value of working hard—of learning to be economical in looking for solutions. In the presence of AI systems, work and student life may have become more convenient, but at the cost of being detached with reality.

Reference:

Seo, K., Tang, J., Roll, I., Fels, S., & Yoon, D. (2021). *The impact of artificial intelligence on learner-instructor interaction in online learning*.
<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC8545464/>