Discussion Board 3

[Name]

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Author Note

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Clinical informatics is a combination of information technology with scientific data processing that is used to deliver quality health services (Aston, 2014). On the other hand, informatics provides the system with the blueprints to help informaticists to streamline the process of workflow, helping the organization as a result (Huber, 2013).

A few of the various tools used by my organization to improve patient care is called Rover. Rovers works with Epic, a visual aid tool that syncs with our software system. It is a hand-held device that allows the hospital staff to take a photo of any wound, or skin breakdown, that a patient may have. It operates on infrared technology to do so. On the other hand, a smart intravenous pump, that also operates in by connecting with Epic through WiFi and synchs the patient to an IV pump to deliver medication (Huber, 2014). It also keeps tracks of recent medication changes and alerts the system if the dosage is too low.

The utilization of these tools enable nurses to improve patient outcomes and decrease the number of days that the patient has to receive inpatient care by days (Ommaya et al., 2018). Furthermore, the use of such tools makes the collection and analysis of data i.e. critical to propel health services among patients is key to improving healthcare services and can pave the way for further research into gadgets that improve patient care (Darvish, Bahramnezhad, Keyhanian, & Navidhamidi, 2014).

In the year 2004, Bush administration committed to improving healthcare among the masses by implementing the maintenance of electronic health record by Americans by the end of the decade (Huber, 2014). This would help improve the quality of the care provided, while reducing the associated costs. . The purpose of this change was solely for promoting quality of patient care and reducing cost. Implementing such a change has allowed my organization alone to better serve patients with comorbidities by making multiple emergency room visits and polypharmacy visits easier in the Tristate area. This system also allows physicians to track previous surgeries while also creating a baseline for patients that would improve patient centered care as a whole.

# References

Aston, G. (2014). Powering the information engine. *Hospitals & Health Networks*, *88*(1), 46–49, 1.

Darvish, A., Bahramnezhad, F., Keyhanian, S., & Navidhamidi, M. (2014). The role of nursing informatics on promoting quality of health care and the need for appropriate education. *Global Journal of Health Science*, *6*(6), 11–18. https://doi.org/10.5539/gjhs.v6n6p11

Huber, D. (2013). *Leadership and nursing care management*. Elsevier Health Sciences.

Ommaya, A. K., Cipriano, P. F., Hoyt, D. B., Horvath, K. A., Tang, P., Paz, H. L., … Sinsky, C. A. (2018). Care-Centered Clinical Documentation in the Digital Environment: Solutions to Alleviate Burnout. *NAM Perspectives*. https://doi.org/10.31478/201801c