# Clarification of Concepts

**Clinical Decision Support System (CDSS):** A combination of Health and Information Technology which provides practitioners with knowledge and patient-specific information. It is used to make more accurate clinical decisions and improve patient safety (Margaret Rouse, 2016).

**Computerized provider order entry (CPOE):** Application that allows health care providers to enter medical orders electronically. This includes sending treatment instructions and laboratory orders (Megan Charles, 2018).

**Human Computer Interaction (HCI):** HCI is the design and improvement of interaction between computers and humans. It allows computer to be more user-friendly and efficient. It is crucial when considering the design of software involving decision-making with an easy-to-use framework. This will help improve usability in carrying out healthcare processes (Daniel Chandler & Rod Munday, 2011).

**Oncology:** The study and treatment of cancer which includes the various forms of therapy and procedures used to treat cancer (National Cancer Institute, 2011).

**Evidence-Based Medicine (EBM):** Is the usage of clinical experience and data to improve healthcare decisions. The evidence is then used and applied to evaluate the performance during clinical practice (Tenny & Varacallo, 2022).

For the QIP project we will be looking at implementing CDSS within the hospital. Our focus would be catered towards critical decision-making when diagnosing and treating cancer patients. We will also look at how CDSS helps improve patient safety when delivering effective oncology care and how it will improve the overall quality when used in hospitals. Management of the risk in late cancer diagnosis will also be evaluated when compared to having the CDSS in place.

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