The CDSS provides a detailed warning message, explaining the potential adverse effects of combining these medications and suggests alternative treatment options that would be safer for John.Enhancing Patient Outcomes: By avoiding potentially harmful drug interactions, John's risk of experiencing adverse events or complications associated with medication errors was significantly reduced, ultimately contributing to improved patient outcomes and well-being.Preventing Adverse Drug Interactions: By alerting the physician to the potential drug-drug interaction, the CDSS helped prevent adverse events or complications that could arise from combining incompatible medications.In summary, this example demonstrates how CDSS contribute to enhanced patient safety by proactively identifying and mitigating medication-related risks, ensuring that healthcare providers deliver high-quality, safe, and personalized care to their patients.Improving Clinical Decision-Making: The CDSS provided actionable information and alternative treatment options, empowering the physician to make a more informed decision that prioritizes patient safety.Upon receiving the alert, the physician reviews John's medical history, acknowledges the potential risk, and decides to prescribe an alternative medication that is compatible with his current drug regimen.2.3.4.

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