Unit 4 overview

- Second of four units devoted to electronic health record (EHR)
- Diagnostic expert systems were among the first medical informatics applications but their usefulness was marginal, although they spawned new approaches that have had profound impact
- Newer approaches to decision support focus on its applications in specific situations, especially tied in to medical errors, patient safety, and quality of care
- Remainder of unit covers implementation and research results
Clinical Decision Support; EHR Implementation

1. Historical Perspectives and Approaches
2. Medical Errors and Patient Safety
3. Reminders and Alerts
4. Computerized Provider Order Entry (CPOE)
5. Implementing the EHR
6. Use and Outcomes of the EHR
7. Cost-Benefit of the EHR