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Issues in Data Flow and Data Management in Radiation Oncology: Disaster Recovery

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The increasing size and complexity of data within Radiation Oncology is becoming a data management obstacle with data retention questions that are difficult to answer. The medical physicist manages key aspects of the data flow process. Efficient and secure data communication is important for quality control and is part of the medical physicist's domain within clinical workflow of Radiation Oncology. However, safeguarding this data in the event of catastrophic loss or information security breach both fall under the set of data management best practices. This session will focus on disaster recovery strategies within the context of Radiation Oncology information systems, and will specifically address the data decisions that must be made for treatment planning data, electronic medical records, and medical images.

Learning Objectives:

1. Distinguish between electronic source data and the legal health record.
2. Understand the role of the Medical Physicist when creating a Disaster Recovery plan for patient data.
3. Understand how information security fits into the Disaster Recovery plan.
4. Identify best practices for data redundancy and data security within Radiation Oncology data workflow.