Radiation Therapy 
Treatment Data

The Challenge
Currently, there is a critical communication gap between radiation oncology health information technology (health IT) systems and electronic health records (EHRs) that are used by health systems. Radiation therapy (RT) information (e.g., a treatment summary) is not readily available to reuse or share across systems because patient data is typically siloed and unstructured in radiation oncology health IT systems.

This radiation therapy treatment data challenge can cause patient safety issues and increase clinical burden for clinicians who need to search for RT information.

CodeX Use Case
The goal of this use case is to develop, test and deploy open data standards that enable interoperable, multi-purpose exchange of RT treatment summary data for care coordination and data reuse, such as quality management, research, and payer-required reporting.

CodeX is a member-driven HL7® FHIR® Accelerator, building communities to create interoperable data models and applications leading to step-change improvements in cancer patient care and research.

CodeX projects center on use cases that address cancer care and research. CodeX members are achieving interoperability by implementing the FHIR standard mCODE (minimal Common Oncology Data Elements), which defines key cancer characteristics in an interoperable framework.

To learn more about CodeX, visit www.hl7.org/codex.

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