



Cancer Registry Pathology Report Profile (CPR)

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IHE Patient Care Coordination

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HIMSS Member Organization - Registry Widgets



Value Proposition

Almost two million cancers are diagnosed each year in the United States; approximately 95% of these cancers have one or more pathology reports describing the disease.

The US federally mandates reporting to national cancer programs which serve as the foundation for a comprehensive strategy to reduce illness and death from cancer.

Re-engineering the data collection process to make use of the electronic health record (EHR) and the IHE methodology and artifacts will reduce the time and resources required to meet the federal mandate and will improve the timeliness of reporting.

The CPR Profile uses existing, fully developed, tested and implemented standards from North American cancer surveillance workspace.

Use Case

- Patient notices a black jagged mole on her right arm.
- Dermatologist does a biopsy and sends the tissue sample to the pathology laboratory for review and diagnosis.
- Pathologist analyzes the specimen and makes the diagnosis of: *malignant melanoma*.
- Anatomic pathology LIS identifies the report as having a diagnosis of cancer (reportable event) and creates an HL7 2.3.1 message to send to the central cancer registry.
- The Central Cancer Registries receives the message, codes the diagnosis and adds the case to the database.

Scope

- **Pathology Laboratory Information System (LIS)**
- **Electronic Health System (EHR)**
- **Central Cancer Registry (CCR)**

Key Technical Properties

- Use of one standard for reporting to federally mandated central cancer registries
- Reuse of PCC Technical Framework Templates

Standards Used

- **HL7 Version 2.3.1 ORU R01 Unsolicited observation message**
- **LOINC**
- **SNOMED**
- **NAACCR* Standards for Cancer Registries Volume V: Pathology Laboratory Electronic Reporting v2.1**
- **NAACCR Search Term List**
- **International Classification of Diseases for Oncology, 3rd Edition**

*NAACCR - North American Association of Central Cancer Registries



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