

ACS Cancer Conference 2025

March 12-14 | Phoenix, AZ

The Role of Interoperability in Improving Cancer Data

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ACS Cancer Programs
American College of Surgeons

Disclosures

- None.

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North American Association of Central Cancer Registries

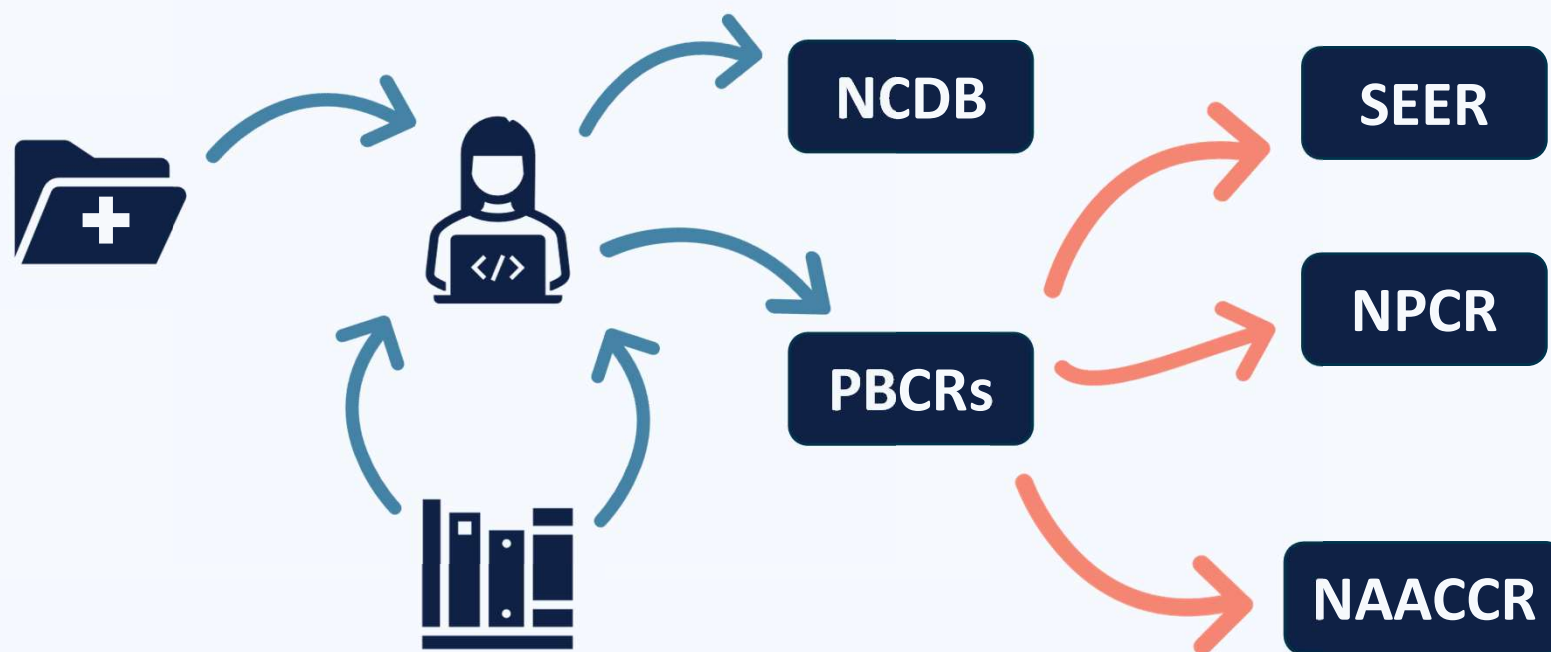
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**FACT #1: The pace of
growth in oncology
medicine is increasing.**

FACT: #2: Cancer Registrars are a finite resource.

Cancer Registry Data Collection



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THE CHALLENGE



More data.



Faster data.



Better data.

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THE SOLUTION

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- Interoperability**
- Streamline data exchange
 - Enhance data accuracy & completeness
 - Reduce time lag in reporting
 - Lessen the burden on registrars
 - Enable advanced analytics and research

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National Interoperability Initiatives

- USCDI
 - National baseline for health data exchange.
- USCDI+
 - Expands on the USCDI data classes/elements for specialized use cases, including cancer registry, clinical trials, and irAE.
- US Core Implementation Guide
 - HL7 rules for exchanging data using FHIR.
- mCODE
 - Standard set of oncology data elements using FHIR

Learn More: <https://www.naaccr.org/interoperability-resources/>

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Getting There

Early incidence minimum dataset

USCDI+ Cancer Use Case collaboration

USCDI+ Cancer Data Summit (May 2024)

NAACCR HLSG Standards Alignment Task Force

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Critical Success Factors for Interoperability



Complete & accessible clinical documentation.



Structure & standardization at the point of data generation.



EHR Integration & Workflow Alignment.



Data quality & validation mechanisms.

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Thank You

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