



Camino™

Computable Oncology Clinical Pathways

mCODE™ MITRE

Increasing Data Interoperability - Computable Oncology Clinical Pathways

New, advanced oncology treatment options, including breakthroughs in genetics and immunotherapy, offer hope to many cancer patients. In this complex new environment, cancer centers and clinicians are looking for ways to help determine which treatments are most appropriate for their patients.

Many organizations are using Oncology Clinical Pathways, which are evidence-based treatment protocols for delivering cancer care. Clinical pathways have three main goals: standardization of care, improved effectiveness, and cost savings.

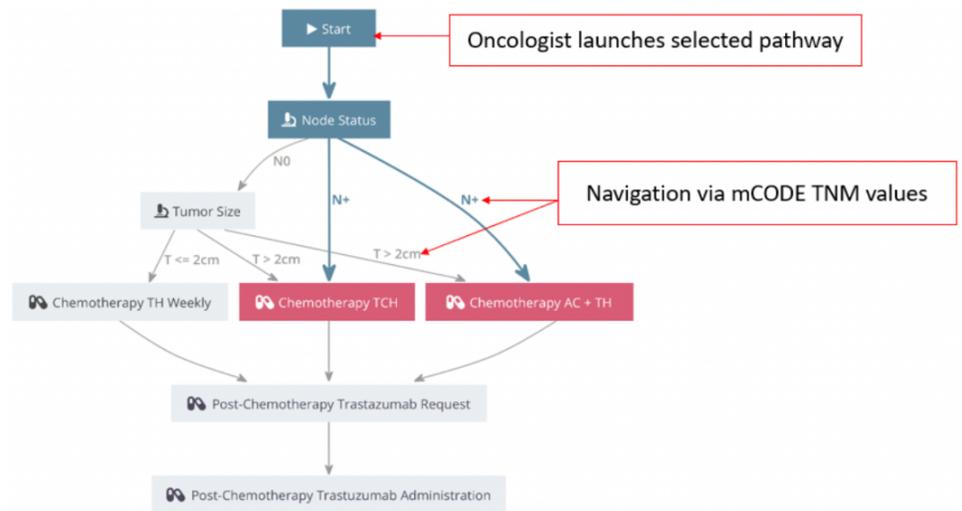
The Camino Pathways application helps manage the complexity of cancer care using computable pathways. The open source decision-support tool enables clinicians to quickly determine the right treatment for their patients.

mCODE + FHIR + Pathways

MITRE is one of the organizations that collaborated to create an HL7 oncology standard—called mCODE™ (minimal Common Oncology Data Elements). It enables organizations to collect and share data from electronic health records (EHRs) to benefit a variety of stakeholders, including patients, clinicians, payers, researchers, vendors, and government agencies. mCODE data is collected at the point of care through EHRs and made accessible using Fast Healthcare Interoperability Resources (FHIR) standard interfaces.

Through working with cancer centers on mCODE implementation, we discovered the need for interoperable pathway systems. We created the Camino SMART-on-FHIR application, which provides *computable* pathways in which navigation through the protocol is driven by mCODE.

Camino Pathways provide an interoperable approach to share pathways across institutions using mCODE. The app also provides an opportunity for downstream analytics of the cancer patient populations.



For More Information

For more information, please contact Jim O'Connor, joconnor@mitre.org or mcode@mitre.org.

What Is mCODE? - The American Society of Clinical Oncology (ASCO) and The MITRE Corporation have developed the minimal Common Oncology Data Elements (mCODE). mCODE represents the minimal set of data elements needed for cancer care and research. It leverages and expands on the existing data-sharing capabilities of FHIR.