Overview

The overall goal of the ICAREdata® project is to enable clinical oncology research by prospectively gathering high quality real-world data (RWD). The ICAREdata® project is a collaboration between The MITRE Corporation and the Alliance for Clinical Trials in Oncology and is being conducted in association with randomized controlled trials (RCTs) and National Cancer Trial Network (NCTN) institutions. As a pilot use case for mCODE (Minimal Common Oncology Data Elements), the study will evaluate the outcome elements of mCODE and demonstrate a real-world data strategy for clinical trials based on mCODE. As part of the study, an open source infrastructure and automated standards-based interface for data capture and exchange are being developed and piloted.

Goals

Support the collection of high quality real-world data, based on mCODE, to enable clinical oncology research.

<table>
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<tr>
<th>Increase data pool (RCT data + RWD)</th>
<th>Inform therapeutics development</th>
<th>Inform regulatory decision-making</th>
<th>Inform data-driven patient care</th>
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<td>Establishing large scale, prospective collection and integration of high quality clinical data across multiple clinical care sites to augment data collected from clinical trials.</td>
<td>Developing effective treatments for patients with rare tumors or uncommon disease types and understanding the natural history and response to therapy for diseases where multiple sequential therapeutic regimens are employed.</td>
<td>Helping to determine how to best use real-world evidence for medical product regulatory decision-making and achieving efficient and accurate post-market surveillance of FDA-approved therapeutics.</td>
<td>Understanding efficacy and safety of approved therapeutic agents in underrepresented and minority populations and accumulating a large number of patients and data required to achieve success in personalized medicine.</td>
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Help cancer patients at the point of care

Engineer a system for post market surveillance and observational studies

Demonstrate a repeatable approach that can be applied beyond cancer
Support the collection of high quality real-world data, based on mCODE, to enable clinical oncology research.

Contact Us

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Partners

ICAREdata

Support the collection of high quality real-world data, based on mCODE, to enable clinical oncology research.

CLINICAL TRIAL

Data collected only on patients in clinical trials (97% cancer patients not represented)

ICAREdata

Data collected on all patients as part of routine cancer care

Learning Health System

Every patient’s journey improves all future care

RWD-based clinical oncology research

Data-driven patient care

The Standard Health Record Collaborative
One human, one health record.

mCODE™
Minimal Common Oncology Data Elements

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