

Value Proposition for the Integrated Trial Matching for Cancer Patients and Providers Use Case



As of June 2020

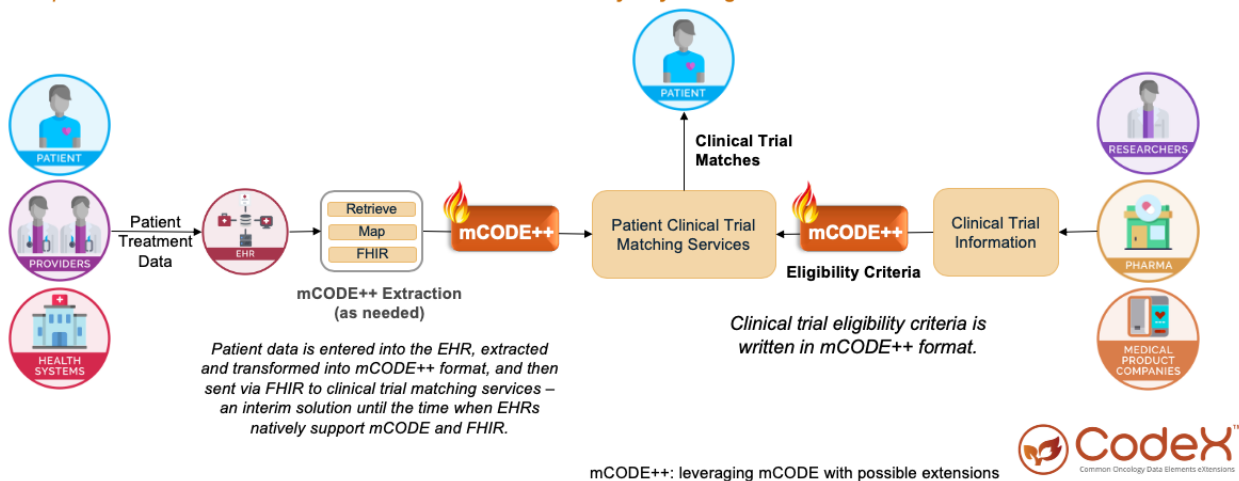
Purpose:

The document describes the different stakeholder groups relevant to the Integrated Trial Matching for Cancer Patients and Providers project and the value they add and gain from joining the project. Additionally, this document captures current partners working on this project, potential partners in the future, and necessary questions to determine how an organization may best fit in this project.

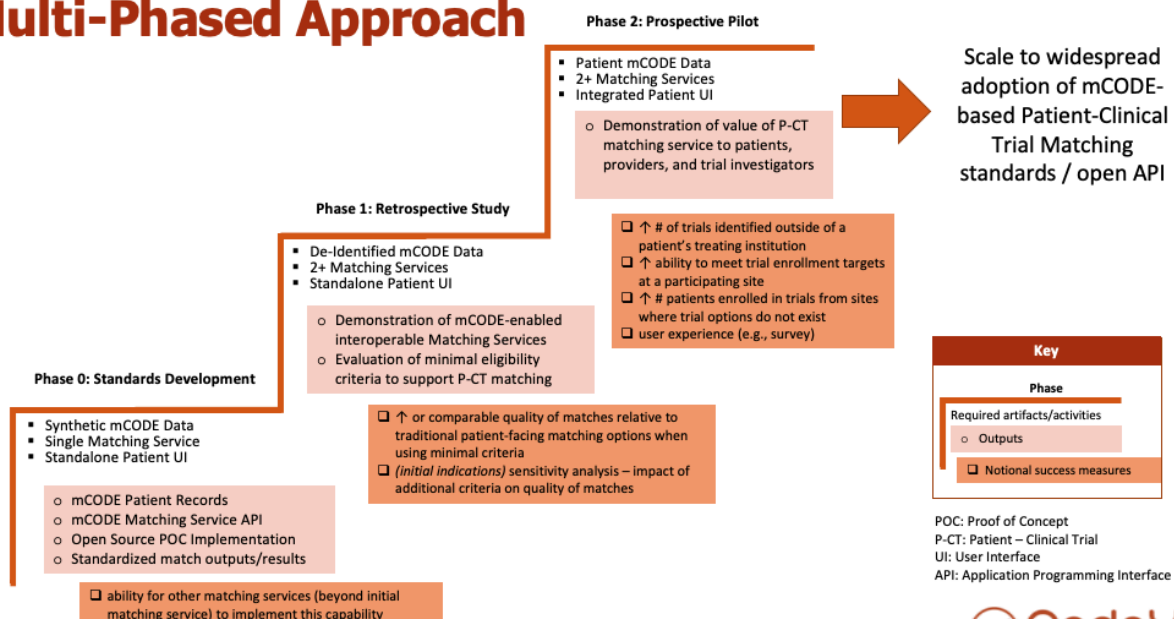
Providers want to find clinical trials suitable for their patients.

Patients want to identify clinical trials for which they may be eligible.

Investigators want to find eligible patients to enroll in clinical trials.



Multi-Phased Approach



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Matching Services

- **Value gained from the project** → receive more accurate, complete, structured, and computable patient data using mCODE
 - More accurate matches
 - Less burden to input patient data to make the match.
 - More patients will use the service, resulting in an increase in searches.
 - Get paid more for making higher quality matches.
- **Value added to the project** → match the patient data to clinical trials
 - Test to see if the service is compatible with multiple matching services. It can't be high burden for the matching service to implement mCODE.
 - Test receipt of key mCODE and other data via FHIR APIs
 - Define standards for and test format of data returned from matching services to requesters
 - Provide insight on other eligibility criteria to be added.
 - Participate in the retrospective and prospective studies to match patients to clinical trials.
 - Send trial matches back to the EHR.
- **Partners currently working on this project** → TrialScope, breastcancertrials.org
- **Potential partners** → Massive Bio, IBM, Be The Match, MatchMiner
- **Questions:**
 - What health system do you work with?
 - What pharmaceutical companies do you work with?
 - What cancers do you focus on?
 - What level of standardization do you have?
 - Demo of how you make the matches?
 - What patient data do you require?
 - Do you have a patient facing application?

Patient Portals/Apps

- **Value gained from the project** → the patient data will be standardized and will be easier to send via mCODE, will be able to present clinical trial matches to clients
 - Added function of trial matching to the app, without having to develop/maintain that infrastructure.
 - Receive meaningful data that will get patients to use their portal and app.
- **Value added to the project** → an interface to present clinical trial matches, patients can send their data to a matching service using the app and then get results back
 - Access to patients for a retrospective/prospective study
 - Knowledge of the burdens on patients and providers and how it can be improved
 - Insight on the patient experience while using the service
 - Administer surveys to test the usability of the service
 - Present matches for matching services that don't have a patient facing tool
- **Partners currently working on this project** → Cancer Insights
- **Potential partners** → Andaman7, iNDX Technology, Keto-Mojo
- **Questions:**
 - How many cancer patients use your app?
 - Do you have your own matching engine? Do you partner with another matching company?
 - Do you have partnerships with health systems or EHRs?
 - How do you get the patient data in your application currently?

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EHR Vendors

- **Value gained from the project** → easier for providers to find clinical trials for their patients
 - If clients (health systems) want this, EHR vendors will need to enable the service.
 - Will incentivize providers to use EHRs as tools for patient care.
 - Requires minimal coding infrastructure on vendor's part.
- **Value added to the project** → enables the "blue button" service of sending patient data to a matching service directly from the EHR
 - Need for the overall goal of the project
 - Understand and work through how matches will be presented in the EHR
- **Partners currently working on this project** →
- **Potential partners** → Epic, Cerner, Flatiron
- **Questions:**
 - Is the vendor used at the sites we're working with?
 - What mCODE data elements are integrated with the system already (Epic)?
 - What mCODE data elements are standardized in the system already?

Foundations/Patient Advocacy Groups

- **Value gained from the project** → allows for patients to find clinical trials better, better for the patients being advocated for
 - Many have trial matching services on their websites – enabling mCODE will make finding the match easier.
 - Will generate more funds for operations.
- **Value added to the project** → experience in the field of clinical trial matching.
 - Access to patients for a prospective/retrospective study
 - Access to trial matching services
 - Knowledge of the burdens on patients and providers and how it can be improved
- **Partners currently working on this project** → ACS CAN
- **Potential partners** → Alliance, SU2C
- **Questions:**
 - What cancer do you focus on?
 - What trial matching services do you work with?
 - How many patients do you support?

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Health Systems

- **Value gained from the project** → easier for providers to find clinical trials for their patients
 - Will be seen as a place patients can go to for cutting edge treatment, making them more money for better care.
- **Value added to the project** → access to patients for a retrospective/prospective study
 - Will make EHR vendors more interested in the project.
 - Experience implementing FHIR-based APIs as required by recent ONC/CMS rules
- **Partners currently working on this project** →
- **Potential partners** → UTSW, UCSF, DFCI
- **Questions:**
 - Other mCODE collaborations?
 - What EHR vendor do they use?
 - Do they have partnerships with trial matching services?
 - How many cancer clinical trials does the health system have on site? Focus on a particular cancer type? Breast cancer?
 - Are you willing to screen your patients against offsite trials with the potential of losing them?

Pharmaceutical Companies

- **Value gained from the project** → more patients and providers can find their trials.
 - Discover and market new, cutting edge, high profit margin drugs.
- **Value added to the project** → knowledge on how to best structure eligibility criteria
 - Down the line and as a side project to this “blue button” project, will be important for structuring the actual eligibility criteria of trials
- **Partners currently working on this project** →
- **Potential partners** → Novartis, Pfizer, EMD
- **Questions:**
 - Partnerships with trial matching services?
 - Partnerships with health systems?
 - Cancer type where the burden to meet trial participants is high?
 - Protocols coming out soon that can be curated using mCODE?