**Overview and Suggested Usage**

This checklist lists key steps from the [MITRE Health Data Interoperability Playbook](/playbook/), which aims to help health specialty organizations create data standards that provide substantial improvements to patient care and research - within individual specialties and across all specialties. The checklist should only be used with the Playbook, and links to the Playbook for longer descriptions for each of the items in the checklist.

The first section below lists questions that a new specialty should ask themselves before getting on the five Playbook tracks that follow. The five tracks and the checklist items in the track below are not solely sequential. The work of the tracks overlap in time, interact substantially, and continue to evolve and improve with experience. The order of items in the checklist is roughly the order of starting the work. Here you go ….

**The Checklist**

**[Before Starting](/playbook/playbook/getting_started.html)**

Before Starting Your Project: Four Questions to (mostly) Answer in Advance of Launching a New Specialty Standards Initiative

[ ]  A. [Which specialty Community Champions will drive success?](https://mitre.github.io/playbook/playbook/getting_started.html#champions)

[ ]  B. [Which Use Cases will the specialty work on first?](/playbook/playbook/getting_started.html#use_cases)

[ ]  C. [What's the strategy for adoption of standards-based solutions?](/playbook/playbook/getting_started.html#adoption)

[ ]  D. [Are the necessary resources available to start the first Use Case(s) and deliver success?](/playbook/playbook/getting_started.html#resources)

[**Track 1. Community Building**](/playbook/playbook/community.html)

Gathering the right organizations and people has been the most foundational and challenging track in the MITRE Interoperability Playbook.

[ ]  [Secure Commitment from Champions](/playbook/playbook/community.html#champions). Secure initial leaders for the specialty initiative as a whole, and for each Use Case.

[ ]  [Agree on Governance](/playbook/playbook/community.html#governance). Leverage existing structure (e.g., CodeX) or build agreement with Champions on a new scheme.

[ ]  [Grow the Community](/playbook/playbook/community.html#growth). Secure commitments for needed roles before starting each Use Case.

[ ]  [Value Propositions](/playbook/playbook/community.html#value_prop). Understand and apply these to help grow the community and to drive Use Cases and adoption.

[**Track 2. Use Cases & Planning**](/playbook/playbook/use_cases_planning.html)

Scoped Use Cases are critical to success. Planning the work within a Use Case documents agreed steps, schedules, and resources needed to deliver solutions successfully.

[ ]  [Understand the Use Case concept](/playbook/playbook/use_cases_planning.html#what_is_use_case).

[ ]  [Understand Use Case Development Guidelines](/playbook/playbook/use_cases_planning.html#use_case_development_guidelines).

[ ]  [Apply Use Case Development Guidelines to Prioritize Potential Use Case projects and Build Out Concepts](/playbook/playbook/use_cases_planning.html#use_case_discovery).

[ ]  [Develop a Use Case Plan](/playbook/playbook/use_cases_planning.html#use_case_planning).

[**Track 3. Standards Development**](/playbook/resources/tech-standards.html)

To communicate effectively, all stakeholders and systems in the health ecosystem need common data standards to communicate effectively and improve health and research. The checklist below refers to the [Standards Development technical deep dive](/playbook/resources/tech-standards.html). See [Standards Development executive overview](/playbook/playbook/standards.html).

[x]  [Review the mCODE Development Video Tutorial](/playbook/resources/tech-standards.html#mcode_standards_tutorial).

[x]  Understand [key organizations](/playbook/resources/tech-standards.html#standards_orgs) and [steps in the standards development process](/playbook/resources/tech-standards.html#standards_overview).

 [Prioritize Clinical Requirements for each Use Case](/playbook/resources/tech-standards.html#clinical_requirements).

[ ]  [Define the Data Dictionary](/playbook/resources/tech-standards.html#standards_dictionary).

[ ]  [Understand Common Challenges Related to Compiling Clinical Information Requirements and a Data Dictionary](/playbook/resources/tech-standards.html#standards_clin_challenges).

[ ]  [Clinical Review of the Data Dictionary.](/playbook/resources/tech-standards.html#standards_clin_review)

 [FHIR Implementation Guide Development](/playbook/resources/tech-standards.html#fhir_ig_development).

[ ]  [Understand the Framework and Tools for IG Development](/playbook/resources/tech-standards.html#stds_framework).

[ ]  [Develop the Data Model from the Clinical Data Dictionary](/playbook/resources/tech-standards.html#stds_data_model).

[ ]  [Choose, and/or Develop Terminology Content](/playbook/resources/tech-standards.html#stds_terminology).

[ ]  [Design FHIR Profiles and Extensions](/playbook/resources/tech-standards.html#stds_profiles).

[ ]  [Plan IG Development](/playbook/resources/tech-standards.html#IG_plan).

[ ]  [Validate Modeling Assumptions](/playbook/resources/tech-standards.html#stds_assumptions).

[ ]  [Create the FHIR IG](/playbook/resources/tech-standards.html#stds_create_IG).

 [HL7 Standardization](/playbook/resources/tech-standards.html#hl7_standardization).

[ ]  [Understand the HL7 Standards Process and Timelines for IG Standardization Work](/playbook/resources/tech-standards.html#HL7_process).

[ ]  [Plan for Maintenance Updates to the IG](/playbook/resources/tech-standards.html#stds_maintenance).

[ ]  [Understand and Apply Best Practices for HL7 Standardization and Apply within Next Steps](/playbook/resources/tech-standards.html#HL7_best_practices).

[**Track 4. Implementation & Testing**](/playbook/playbook/implementation.html)

Health data standards must be implemented into software systems and workflows to provide a potentially-valuable new or enhanced function in the health ecosystem. Assessing the potential for real value requires testing, including pilots in increasingly realistic settings. [NOTE: When new Implementation Deep Dive is created, replace sections and links below, which are to the executive overview.]

[ ]  [Implement into Systems and Workflows](/playbook/playbook/implementation.html#implement_workflows).

[ ]  [Test and Pilot](/playbook/playbook/implementation.html#execute_pilots).

[ ]  [Provide Feedback to Use Cases, Planning, and Standards Development](/playbook/playbook/implementation.html#use_feedback).

[**Track 5. Adoption & Value**](/playbook/playbook/adoption.html)

Adoption in the real world is best driven by understanding - starting during the Discovery track - of what forces will move the market to use new standards-based solutions. Forces include user demand, Government mandates, and the promise of improved care and research. Value in the real world depends on the level of adoption and the quality of the underlying, new standards-based processes and systems being adopted.

[ ]  [Drive Adoption of the Standards-Based Systems in the Real World](/playbook/playbook/adoption.html#adoption).

[ ]  [Measure Value of Adopted Systems](/playbook/playbook/adoption.html#value).