

Rapid Integration Plan

Integrate pRxcision® in less than 40 hours

We understand that hospital IT departments face significant pressures and ever-growing responsibilities. With that in mind, here's a clear, straightforward overview of the integration plan and resource requirements for deploying pRxcision in your Test Environment.

Overall Time Estimate

We estimate about 32.5 hours of work over 13 weeks.

A Note on Microbiology Results

If your organization gets a significant amount of inpatient microbiology results from software other than Epic Beaker, there may be a bit more work needed to map these results to the LOINC nomenclature, ensuring smooth interoperability.

WHAT'S INVOLVED

Our integration mainly uses your current FHIR web services to pull the clinical data required for pharmacokinetic modeling and organism identification. In other words, your existing standards will help make everything flow smoothly.

For Clinical Decision Support, we extend Epic's native Best Practice Advisories. This setup allows for real-time data exchange with pRxcision, streamlining the workflow for both physicians and pharmacists during medication reviews.

Additionally, Epic's Private API for Medication Administrations provides extra data to fine-tune exposure-response calculations and dosing recommendations. If you have Willow Inpatient and Client Systems TS enabled, we make use of these APIs. Similarly, we can use the InBasket Messaging API giving you the flexibility to send notifications asynchronously – great if your team prefers InBasket over Patient Lists.

TEAM INVOLVEMENT

We recommend you form an Adoption Workgroup, with the following members: Your Antibiotic Stewardship Program Lead

- An Infectious Disease Clinical Stakeholder
- An Inpatient Pharmacy Super User
- An Inpatient Physician Champion

This group plays a crucial role by providing feedback and guidance during the technical implementation phase. They help fine-tune the workflows in the Test Environment and identify key end-users for the pilot phase when you go live.

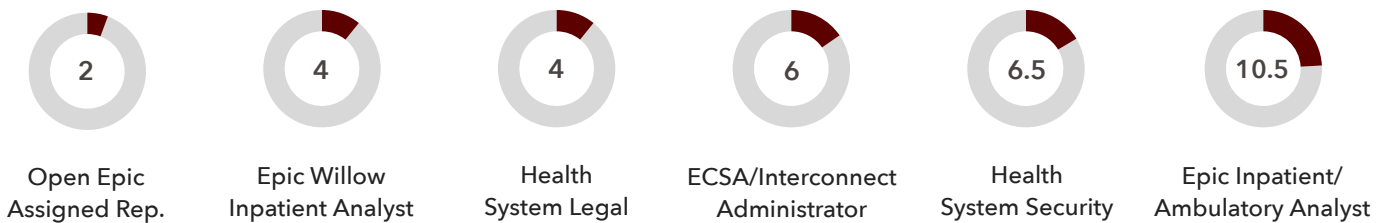
INITIAL WORKGROUP MEETING

We begin with a 30-minute kick-off meeting. In this session, you decide whether to use InBasket Pools or Patient Lists for managing antibiotic stewardship and referring cases to Infectious Disease clinicians. This meeting is a great opportunity to review your current workflow, discuss any tweaks needed, and gather feedback from the team.

This conversational overview helps clarify what to expect during the integration process and aligns your technical efforts and team dynamics for a successful deployment.

Breakdown by Role

TOTAL HOURS BY ROLE



DETAILED BREAKDOWN BY ROLE BY PHASE

Pre-Approval/Contracting

TASK DESCRIPTION	RESPONSIBLE ROLE	TIME EST.
Review Security Risk Assessment Responses and request clarification	Health system Security and Access team	4 hrs
Review/Redline Terms of Service	Health System Legal	2-4 hrs
Complete negotiation/contracting processes	pRxcision® and Health System Legal	2-4 hrs

Epic App Authorization (Back-End Services)

TASK DESCRIPTION	RESPONSIBLE ROLE	TIME EST.
Request the pRxcision® application (client IDs, permissions, and encryption keys) from the open.epic.com website or Vendor Showroom. This part of the integration supports the background synchronization of clinical data for patients receiving antibiotics.	App Market / Open.Epic assigned representative	1 hr

Epic App Authorization (Back-End Services) Continued

TASK DESCRIPTION	RESPONSIBLE ROLE	TIME EST.
Approve the Request. Upload public keys corresponding to the application's private keys used for JWT signature. Your organization automatically downloads the public keys from Epic when the request is approved	pRxcision® Engineering	1/2 Hr
Create an Epic User (EMP) record with the requested/approved security points	Health System Security and Access Team	2 Hrs
Review Interconnect setup to ensure Authentication method (OAuth2), FHIR, and private APIs are available	ECSA or Interconnect Admin	1/2 Hr
If Interconnect setup required: Update Interconnect instance for appropriate authentication method and/or FHIR API support. Note: Your Epic ECSA may need to enable the Medication Administration API to allow full support for in-process antibiotics.	ECSA or Interconnect Admin	2 Hrs
Provide a test patient for pRxcision® testing, update patient with required data	Epic Inpatient or Ambulatory analyst	4 Hr
Migrate EMP record to Epic TST and PRD environments at appropriate times	Epic Inpatient or Ambulatory analyst, or Data Courier team	1/2 Hr

SMART on FHIR Integration (Clinical and Administrative Users)

TASK DESCRIPTION	RESPONSIBLE ROLE	TIME EST.
Request the pRxcision® SMART on FHIR client IDs from the open.epic.com website or Epic's App Market. This part of the integration supports end-user workflows and seamless single-sign-on	App Market / Open.Epic assigned representative	1 Hr
Define the users who will access the pRxcision® SMART on FHIR launch	Epic Inpatient or Ambulatory analyst	1 Hr
Create Epic Menu (E2U), Activity (E2N), Integration record(s) (FDI), and Message Types	Epic Inpatient or Ambulatory analyst	1/2 Hr
Add the Menu record to users Role (E2R) record(s) to make it visible	Epic Inpatient or Ambulatory analyst	1/2 Hr
Review Interconnect setup to ensure Authentication method (OAuth2), FHIR, and private APIs are available	ECSA or Interconnect Admin	1/2 Hr
If Interconnect setup required: Update Interconnect instance for appropriate authentication method and/or FHIR API support. Note: Your Epic ECSA may need to enable the Medication Administration API to allow full support for in-process antibiotics.	ECSA or Interconnect Admin	2 Hrs
Pre-register the test clinician record with pRxcision® as needed	Epic Inpatient or Ambulatory analyst, and pRxcision® Staff	1/2 Hr

Clinical Decision Support (Best Practice Advisory Setup)

TASK DESCRIPTION	RESPONSIBLE ROLE	TIME EST.
Create BPA Base and Criteria Record and populate Web Integration fields with pRxcision® CDS URL	Epic Inpatient or Ambulatory analyst	1 Hr
Create or identify an antibiotic medication grouper to restrict the triggering of the BPA	Epic Willow Inpatient analyst	1 Hr
Provide a test patient for pRxcision® testing. Place an antibiotic medication order on the patient and verify that the Best Practice Advisory displays the pRxcision recommendations. This validates the connectivity for CDS Hooks.	Epic Inpatient or Ambulatory analyst	1 Hr
Test the SMART on FHIR Launch in the TST environment	Epic Inpatient or Ambulatory analyst	1 Hr
Migrate BPA and FDI records to Epic TST and PRD environments at appropriate times	Epic Inpatient or Ambulatory analyst, or Data Courier team	1/2 Hr

Epic Private API Implementation

Permission to access this API is included in the Backend Services application authorized above. These steps describe the additional setup that your Client Systems TS or ECSA might need to complete to enable access.	Users & Security Team	1/2 Hr
Create an Epic User (EMP) record with requested/approved security points. For InBasket API: Ensure the pRxcision EMP record created has security to send InBasket messages and has an attached Provider record if required for InBasket messaging by the organization.	Epic Inpatient or Ambulatory analyst	1/2 Hr
Review Interconnect setup to ensure the Epic-Private API is available.	ECSA or Interconnect Admin	1/2 Hr
(If interconnect setup required) Update Interconnect instance for appropriate the Epic-Private API	ECSA or Interconnect Admin	1/2 Hr
Create or identify an existing InBasket pool for pRxcision® notifications. For InBasket API: Provide an appropriate Message Type or create a new Message Type for pRxcision® messages	Epic Inpatient or Ambulatory analyst, and Prxcision® Staff	1 Hr
Provide a test patient for pRxcision® testing. The analyst may need to work with the lab team to add a discrete microbiology report to this patient during testing	Epic Inpatient or Ambulatory analyst	1 Hr
Complete InBasket notification testing with pRxcision® staff	Epic Inpatient or Ambulatory analyst	1 Hr
Migrate EMP record and message Type (if applicable) to Epic TST and PRD environments at appropriate times	Epic Inpatient or Ambulatory analyst, or Data Courier team	1/2 Hr

Medication Formulary and Preference Lists

Identify and export antibiotic medication (ERX) records currently active on the facility preference list Note: Epic's default order preferences, set on the medication record, are used by the CDS integration. Additional setup can enable preference lists for use by CDS and Active Guidelines	Epic Willow Inpatient analyst	2 Hrs
Update pRxcision® filter list to show only on-formulary medications	pRxcision® staff	N/A
Describe your Formulary Update Process to pRxcision® so that our recommendations can be kept in sync	Epic Willow Inpatient analyst	1 Hr