Charlotte's Story

A Complete Patient Journey

CHARLOTTE STARK

27 year-old, married, female

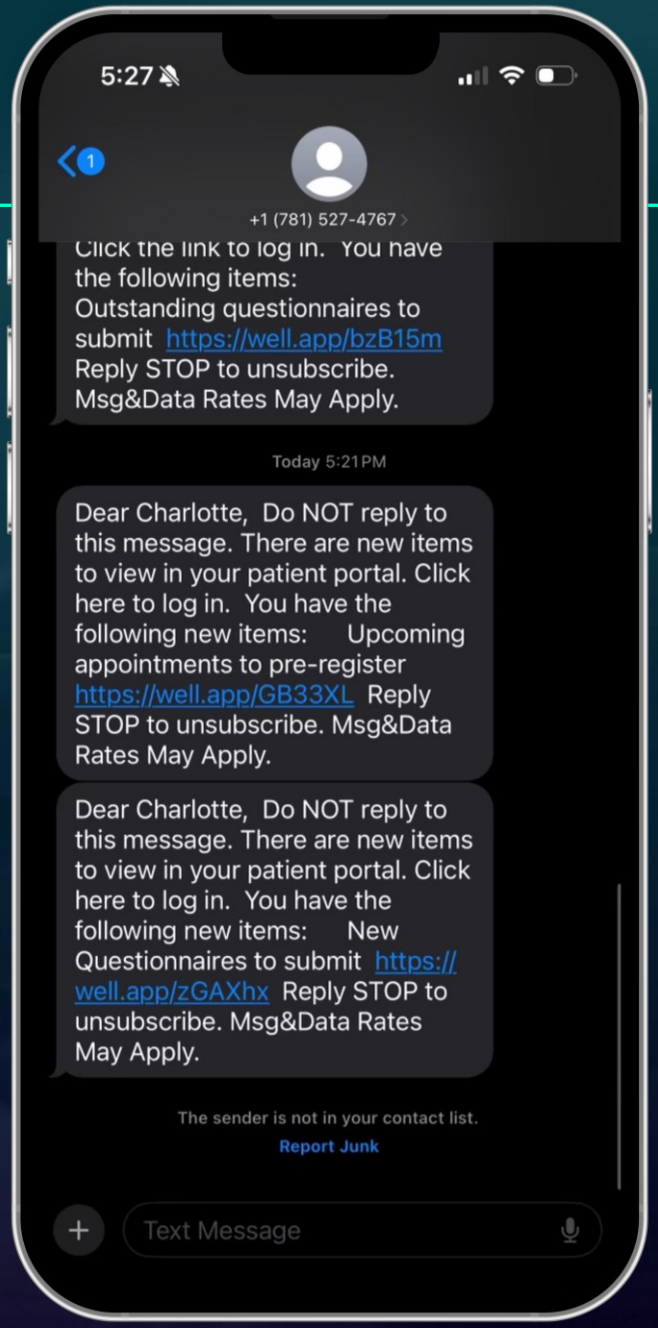
Works in Marketing

Presents to Urgent Care with

- ✓ Nausea
- ✓ Vomiting
- ✓ Fatigue
- ✓ Loss of Appetite

Patient Connect

FHIR Scheduling APIs using the Argonaut implementation guide allows a patient to receive notifications regarding an appointment through a third party app.

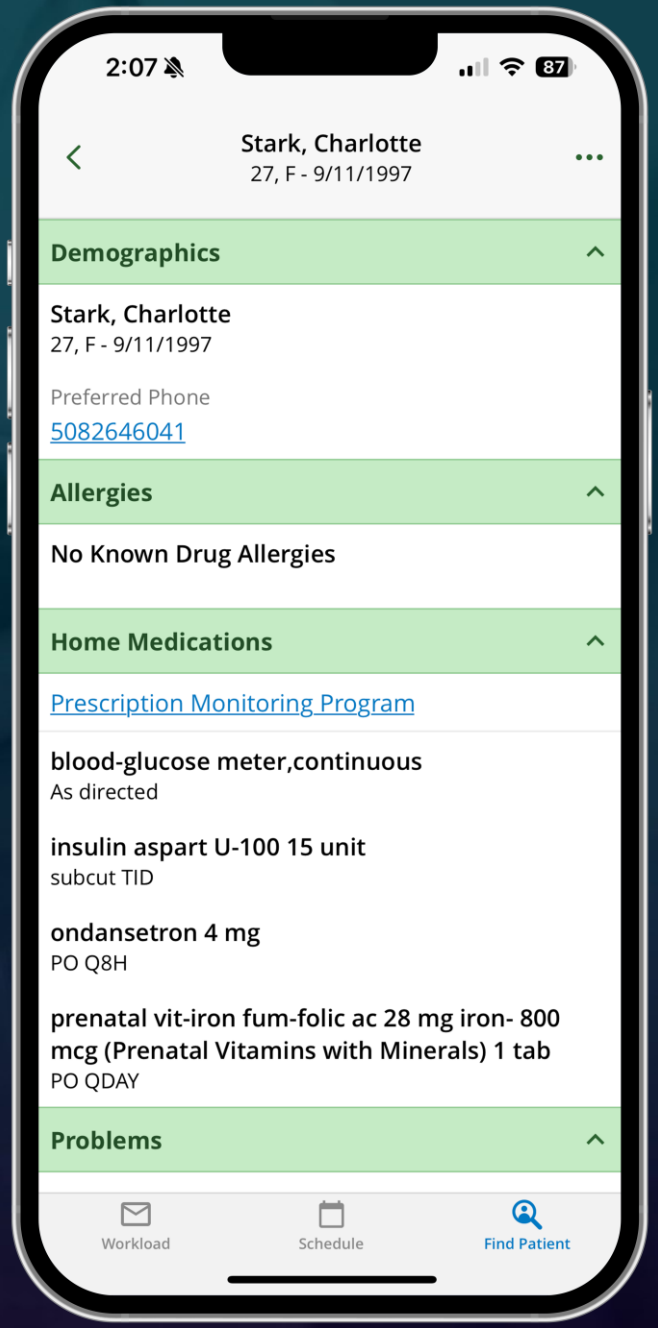


Traverse Exchange

FHIR-first advanced data exchange network, with connection to the Health Gorilla QHIN. Utilizing SMART on FHIR to launch a consolidated patient summary of external data identified via a Record Locator Service, obtained using FHIR R4 document reference and binary resources for all document exchange, and temporarily stored in a FHIR structure for deduplication.

Expanse Now

Replicates the provider workflow from a mobile device, using MEDITECH APIs based on the FHIR standard. The APIs are built upon MEDITECH nomenclature allowing real-time search, read, and write capabilities to and from MEDITECH Expanse.



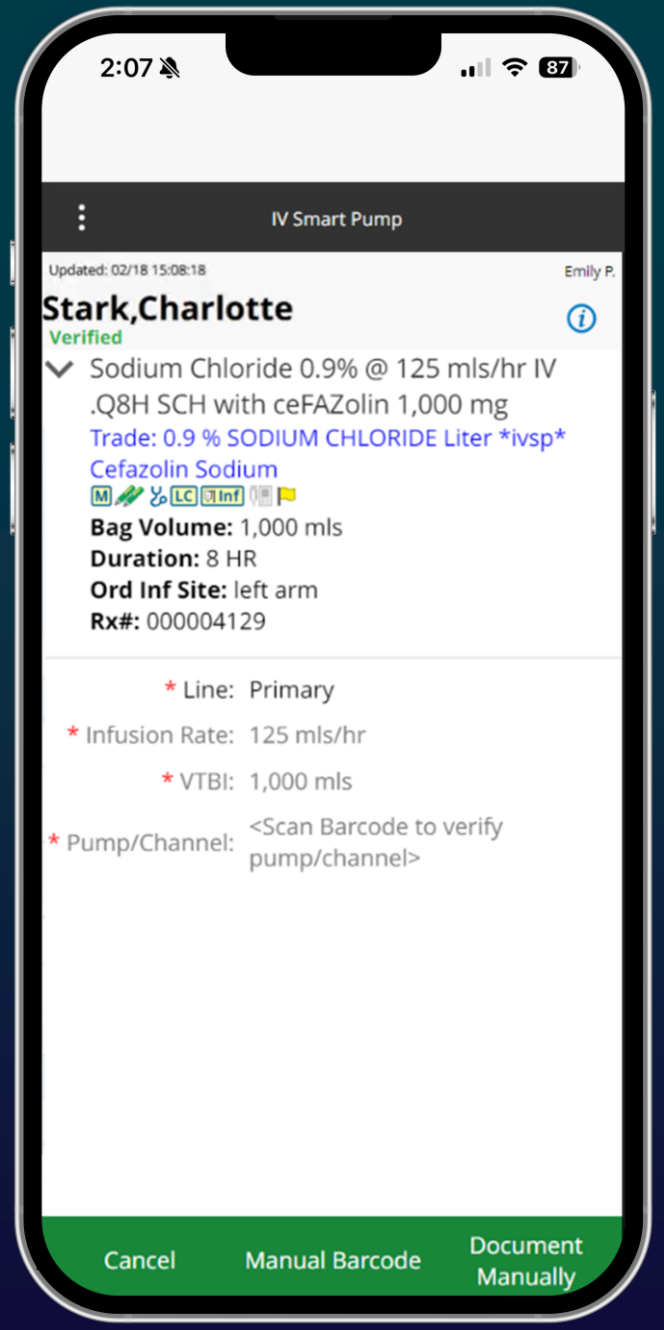
Remote Patient Monitoring via Registries

The continuous glucose monitoring system populates the registry with Remote Patient Monitoring (RPM) data via FHIR API.

Smart Pump Infusion Integration

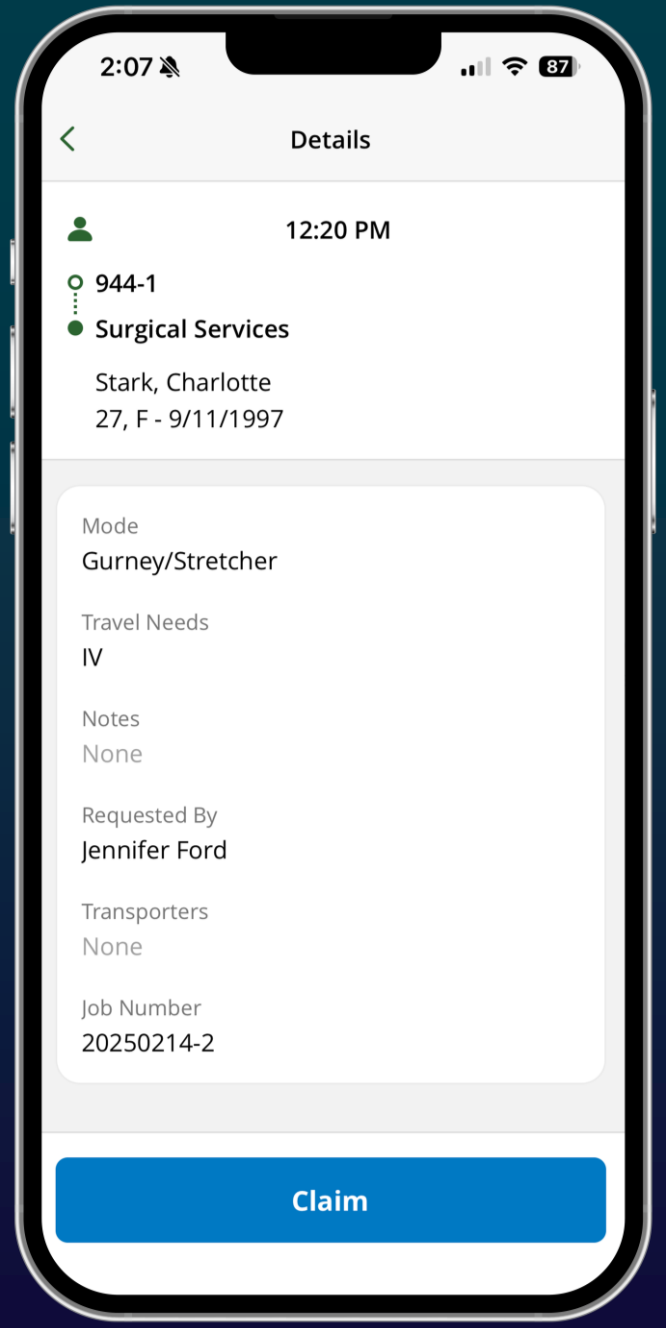
Utilizes transactional HL7 interfaces to empower providers with ability to administer fluids at the point of care.

Nurses can scan the smart pump device itself and have the order information flow to the pump, while infusion details can be captured in MEDITECH, eliminating the need for manual data entry.



Expanse Transport

Using MEDITECH APIs based on the FHIR standard, empowering patient and item/equipment transport workflows. The APIs are built upon MEDITECH nomenclature allowing real-time search, read, and write capabilities to and from MEDITECH Expanse.

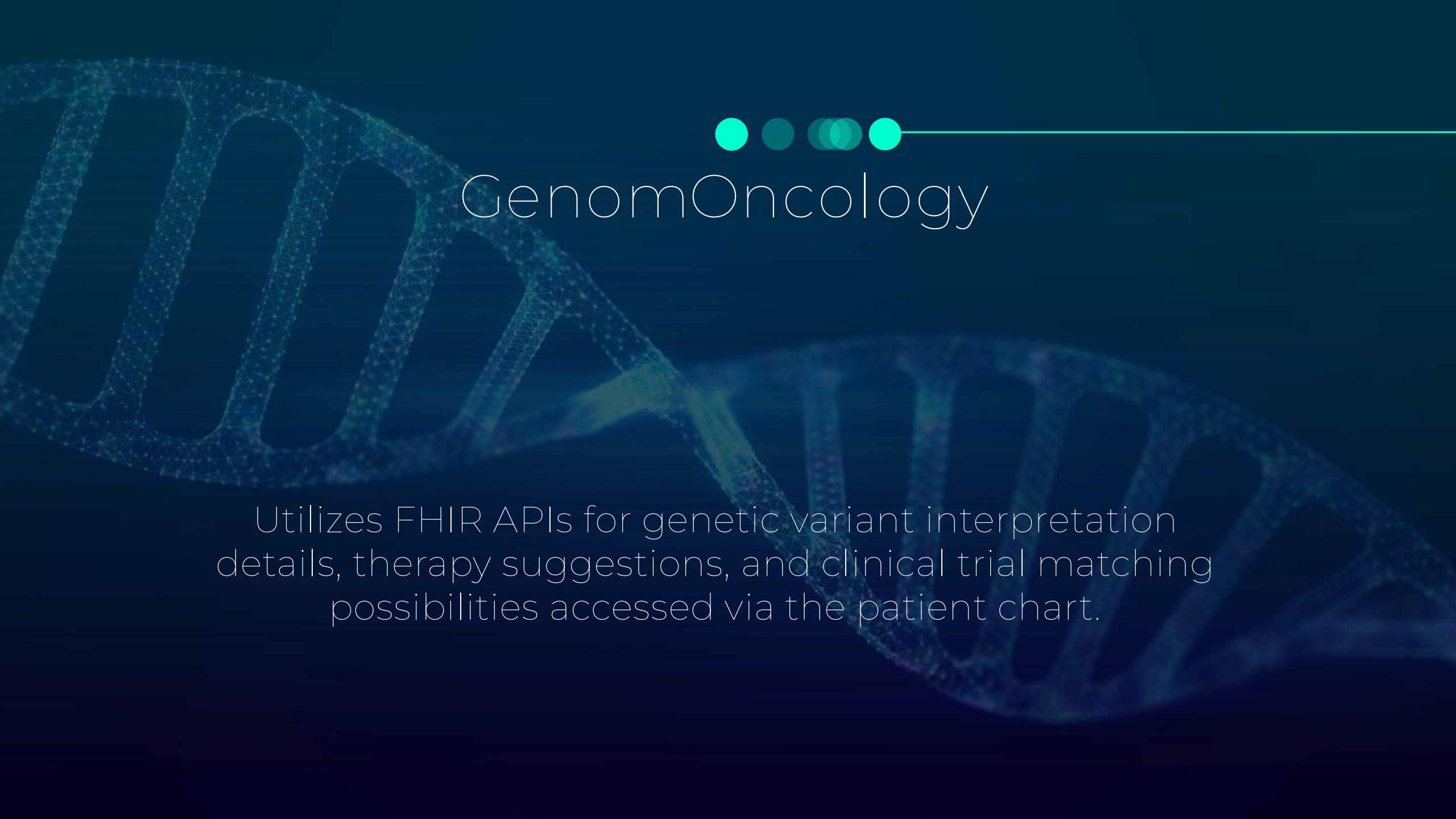


Expanse Navigator

SMART app launch with patient and user context, as well as seeded search context, utilizing FHIR API to provide a deeper view of the patient's health history based upon legacy data. Supports single sign-on to alleviate care teams from needing to sign in multiple times.

GenomOncology

Utilizes FHIR APIs for genetic variant interpretation details, therapy suggestions, and clinical trial matching possibilities accessed via the patient chart.



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Pharmacogenomics

Pharmacogenomic (PGX) alerts are received via First Databank (FDB) API integration, based on incorporated pharmacological checks (drug-drug, drug-allergy, etc).
Interactions/conflicts are displayed within workflow.

With advanced pharmacogenomic checking, informational alerts can be turned off in order to lower the risk of over-alerting.

Thank you for spending time with us today as we demonstrated how MEDITECH's intelligent, interoperable solutions empower Charlotte's care team.