



Module 1

Microsoft Cloud for Healthcare Overview

September 2021



Healthcare in transition



180

160







Virtual health

76% of patients are interested in trying telehealth, and 46% are actively using it to replace cancelled visits¹

Interoperability

90% of providers' data is unstructured and largely inaccessible for datadriven decisions²

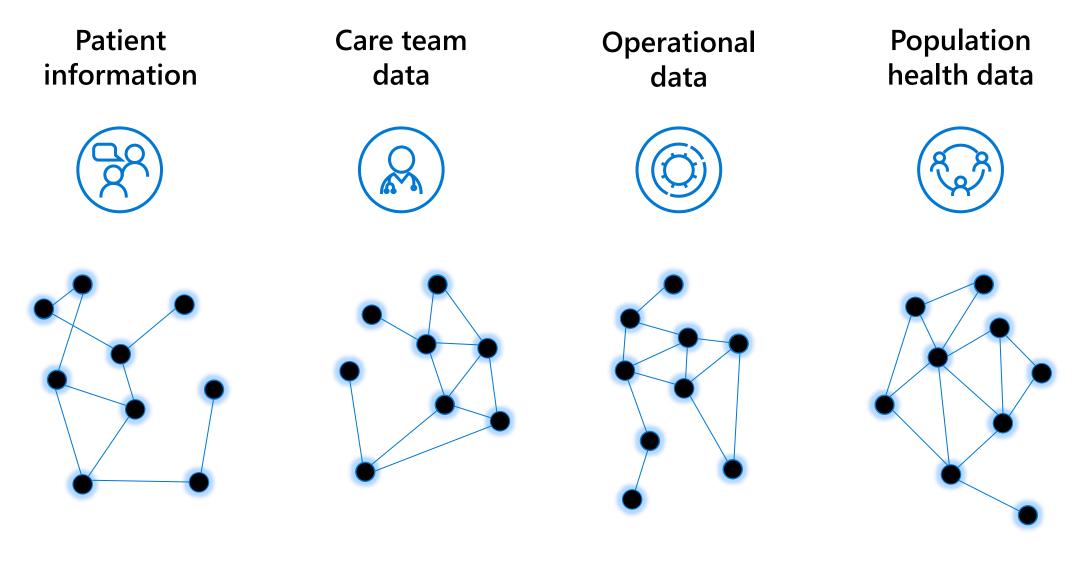
Health outcomes

Up to 70% of the time providers spend looking for insights is wasted on data ingestion and unification³

Security pressures

\$6.2 billion USD is lost to data breaches every year amid growing pressures in security and compliance⁴

Unify your data across the healthcare organization



To overcome these challenges, healthcare organizations must harness the power of their data





The average healthcare system produces over 50 petabytes of data¹ per year across multiple siloed systems

Once integrated, data insights enhance patient care, health team efficacy, and organizational performance



Through a holistic approach to system integration and optimization

Microsoft Cloud for Healthcare

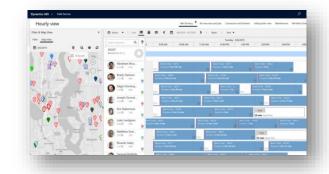
Providing trusted and integrated cloud capabilities to deliver better experiences, better insights, and better care





Enhance patient engagement

Enabling enriched data to flow securely through every point of care to continuously improve patient's experience and health outcomes





Empower health team collaboration

Accelerating health teams' ability to coordinate care in a secure environment and simplify complex workflow management





Improve clinical and operational insights

Connecting data from across systems, creating insights to predict risk and help improve patient care, quality assurance, and operational efficiencies

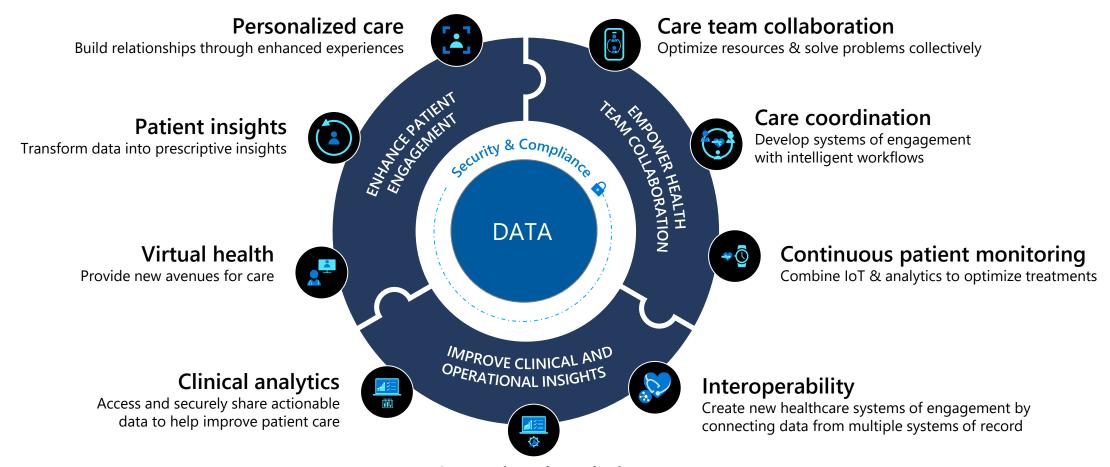


Protect health information

Protecting sensitive health data to support end-to-end security and privacy, manage evolving compliance regulations, and continually improve data governance and trust

Microsoft Cloud for Healthcare

Capabilities enabling better experiences, better insights, better care



Operational analytics

Gain actionable insights to optimize operations

Microsoft Cloud for Healthcare - Conceptual Architecture

Connected, highly-integrated healthcare platform Trusted + global scale + security commitment Complete, enterprise-ready, end-to-end workflow Partner ecosystem **Enhance patient engagement Empower health team collaboration** Improve clinical and operational insights Continuous Personalized **Patient** Virtual Care team Care Data Clinical Operational patient health collaboration coordination interoperability insights analytics analytics care monitoring Microsoft Cloud for Healthcare Add-On components Protected health information (e.g. Templates and workflows, configurations, apps, connectors, and services) Compliance (e.g. HIPAA, HITRUST, GDPR) Microsoft Power Platform **₩** Microsoft 365 Microsoft Dynamics 365 → Microsoft Azure Ingest, enrich, and convert with FHIR, DICOM, and IoMT (Azure API for FHIR and other connectors) Your existing health data sources and systems

(e.g. Medical imaging, IoMT, HL7 CCDA, CRM, financial, -omics, third-party data, EMR)

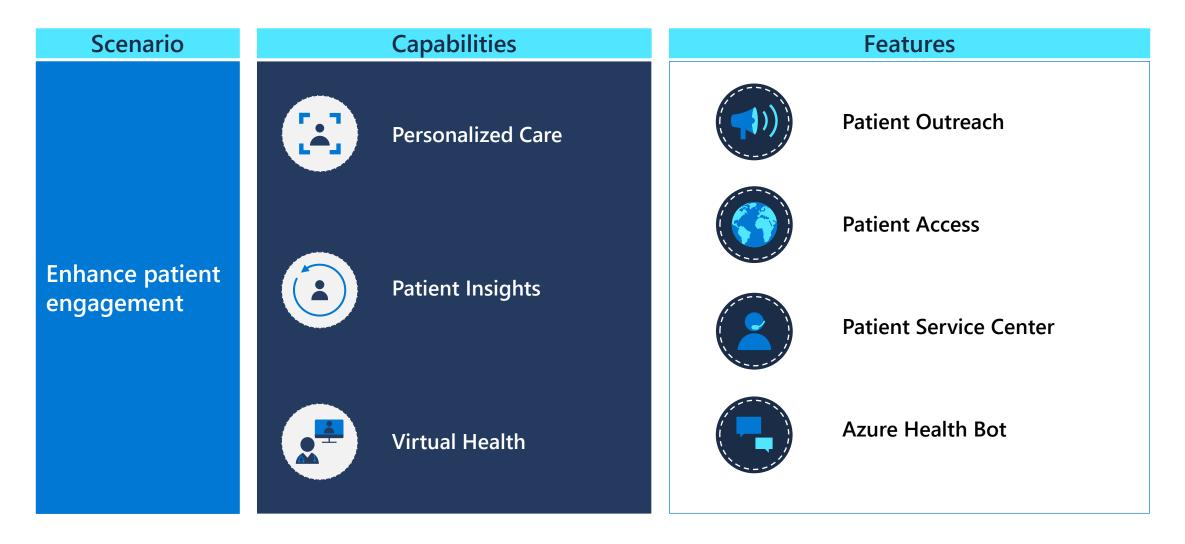
Enhance patient engagement

Develop personalized experiences and interactions that empower patients to take more control over their health.



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Patient Outreach

Streamline and tailor patient outreach leveraging pre-built segments and healthcare-specific event templates.

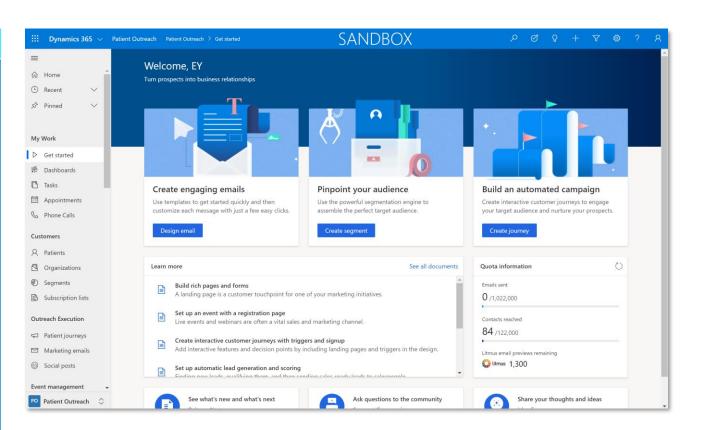




















Patient Access

Give patients omnichannel access to services like scheduling, messaging, and health bot via an intuitive patient portal.









Feature Functionality

Patient Portal

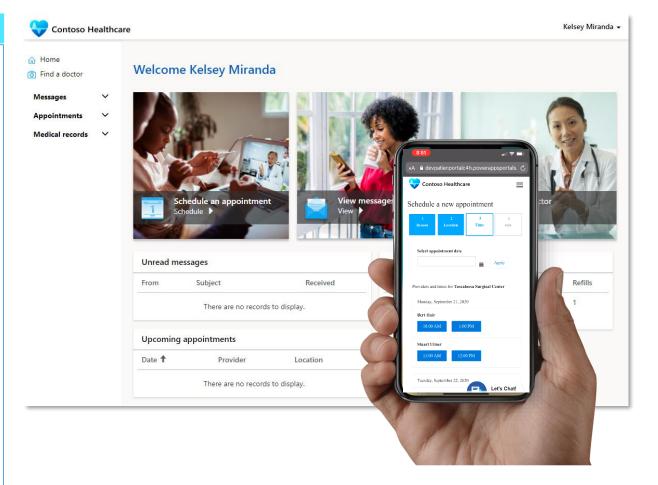
Access to Medical Records

Patient Self-Scheduling

Secure Patient Messaging

Patient Triage with Health Bot

Physicians Directory











Patient Service Center

Engage effectively with patients using built-in guidance while managing interactions and communications.









Feature Functionality

Conduct Patient Conversations

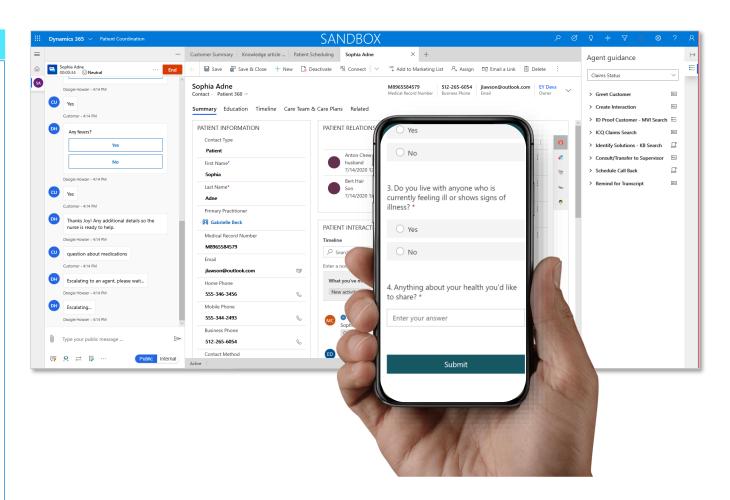
Get Patient 360 Information

Agent Scripts with Smart Assist

Knowledge Article Coaching

Monitor Sentiment Analysis

Patient Satisfaction Survey











Azure Health Bot

Provide a self-service engagement channel by building chatbots from templates with built-in and custom scenarios.









Feature Functionality

Built-in Conversations

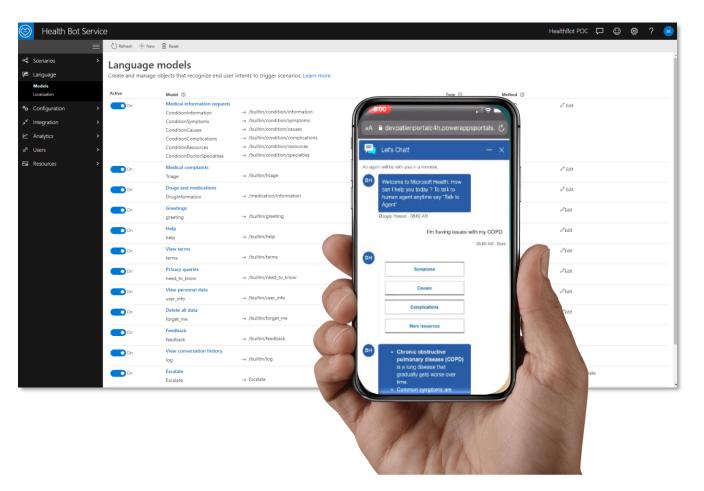
Scenario Templates

Custom Scenarios

Authored Cards

Language Model Extensibility

Escalate to Call Center











Empower health team collaboration

Accelerate health teams' ability to coordinate care in a secure environment and simplify complex workflow management.

Empower health team collaboration



Enable secure collaboration and messaging across the organization – from housekeeping to billing – from a single, highly configurable platform



Enable effective care management, scheduling, and resource optimization by empowering care team members with the right operational tools



Optimize patient treatments from anywhere, anytime by unlocking the power of IoT and analytics to monitor health



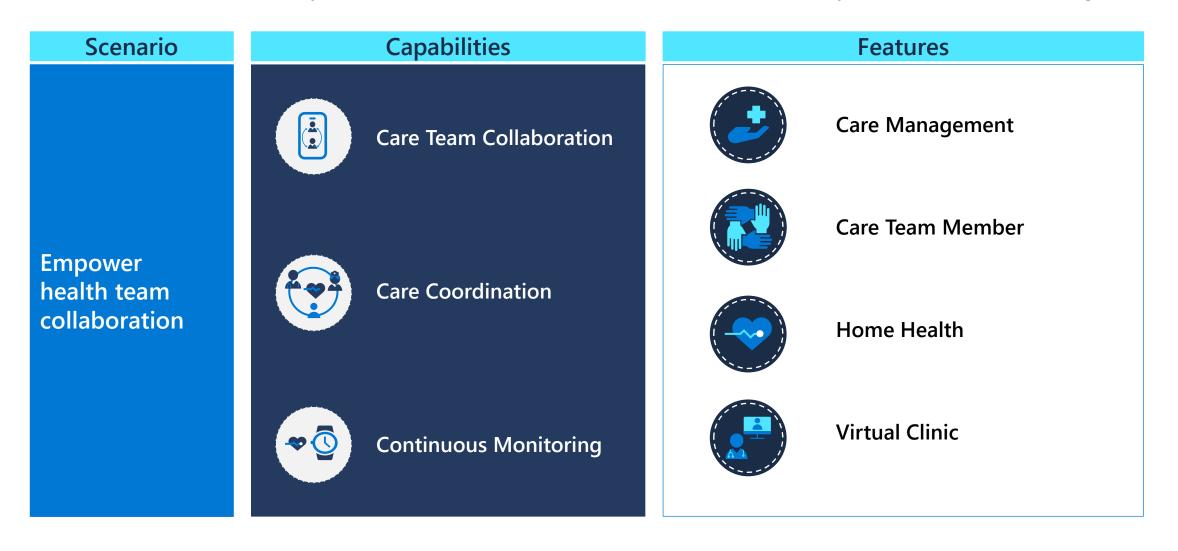






Empower health team collaboration

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Care Management

Manage Care Plans and Care Teams









Feature Functionality

Holistic Patient Information

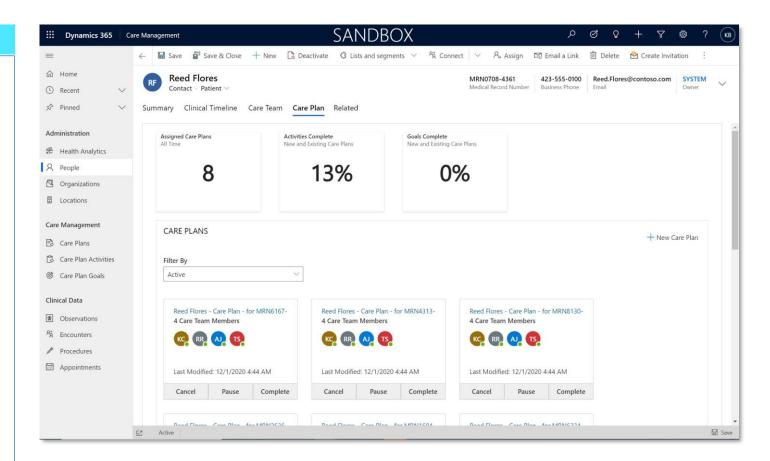
Care Plan Management

Care Team Management

Care Team Support

Patient Health Timeline

Health Analytics











Care Team Member

Care Team view that provides a complete picture of all people collaborating to provide the best care for the patient.

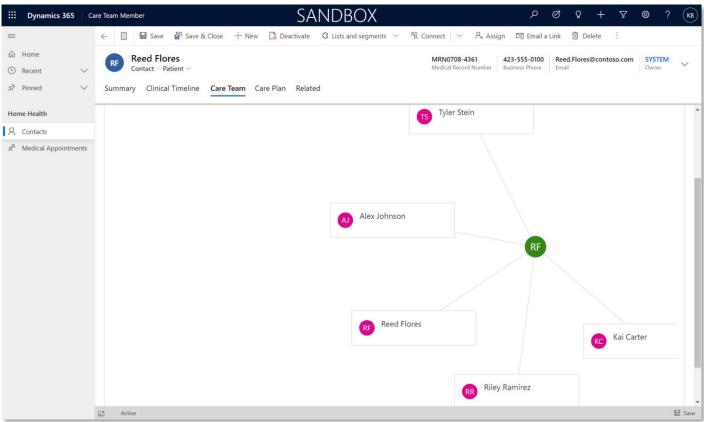




















Home Health

Streamline home care with resource management and route optimization tools.









Feature Functionality

Scheduled Home Visit

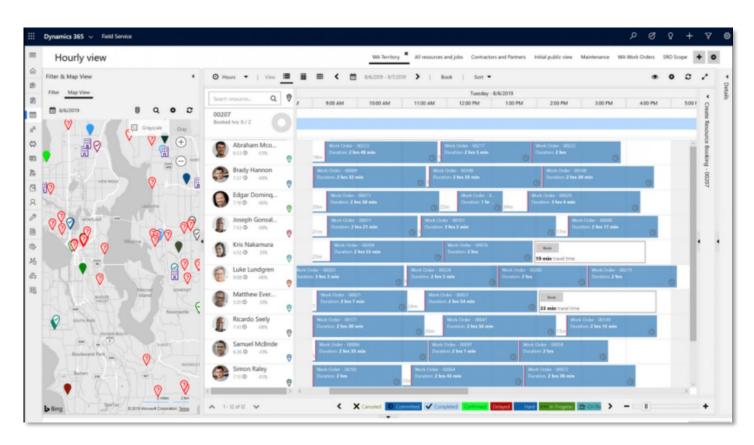
Home Patient Care

Home Care Management

Visit Tracking Notifications

Provider Schedule Management

Scheduling Optimization











Virtual Clinic

Utilize video conferencing to provide high-quality, personalized, and affordable consultations.









Feature Functionality

Scheduled/Instant Virtual Appts

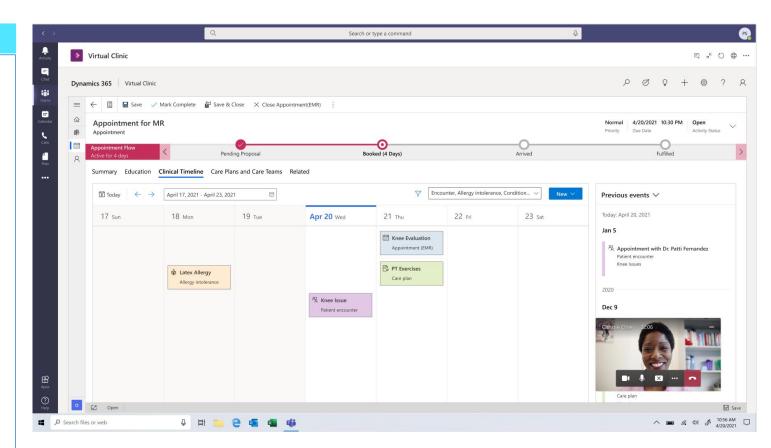
Virtual Clinic Dashboards

Video Calls via Microsoft Teams

Multiple Client Options

Embedded App Experience

Access Holistic Patient View











Improve clinical and operational data insights

Connect data across systems, creating insights to predict risk and help improve patient care, quality assurance, and operational efficiencies

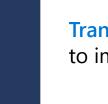




Clinical Analytics

Simplify data governance and compliance by unifying data on a single, secure data platform

Improve operational efficiency by synchronizing management efforts across clinicians and administrators



Transform health outcomes using data-driven insights to improve clinical decision-making and care experiences



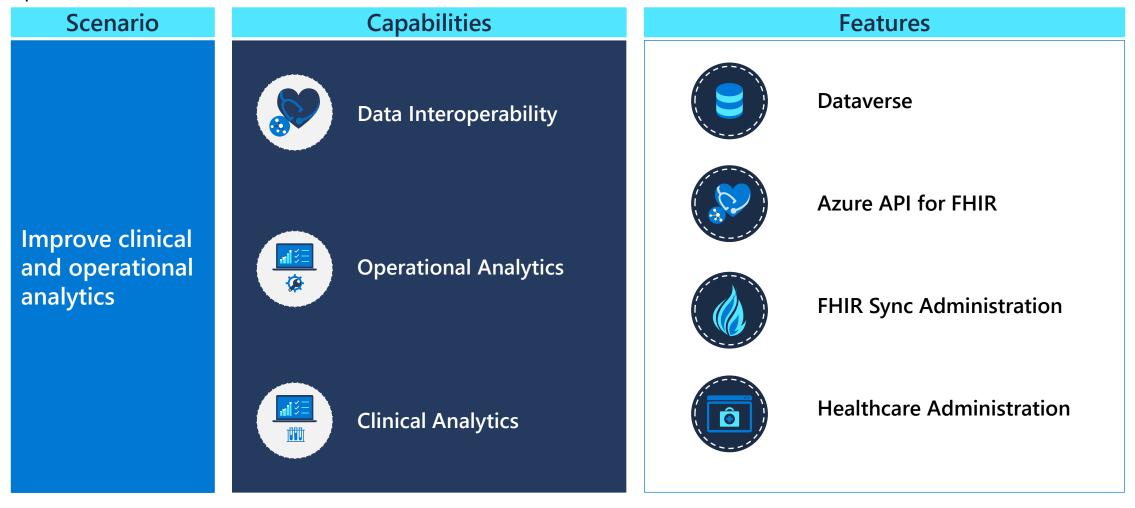






Improve clinical and operational data insights

Connect data across systems, creating insights to predict risk and help improve patient care, quality assurance, and operational efficiencies.



Dataverse

Securely store and manage data that's used by Microsoft Cloud for Healthcare applications.









Feature Functionality

Securely Store & Manage Data

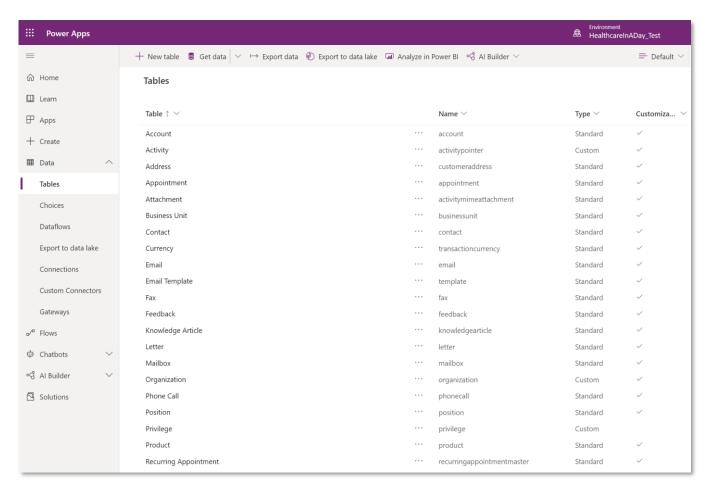
Build Apps Against your Data

Quickly Access your Data

Reusable Business Logic

Built-in Validations

Integration with Other Systems











Azure API for FHIR

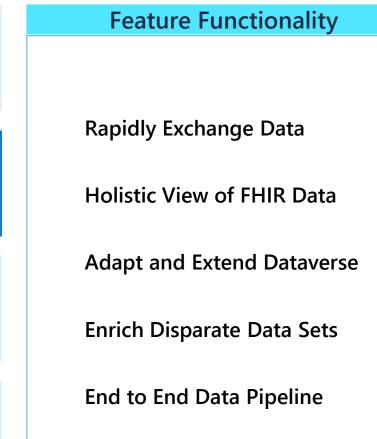
Rapidly exchange data and securely connect and interact with any system that utilizes FHIR APIs.

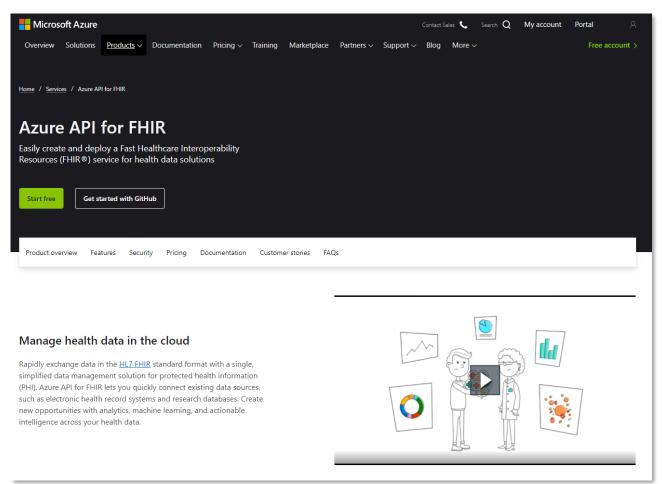




















Azure API for FHIR

Rapidly exchange data and securely connect and interact with any system that utilizes FHIR APIs.









Feature Functionality

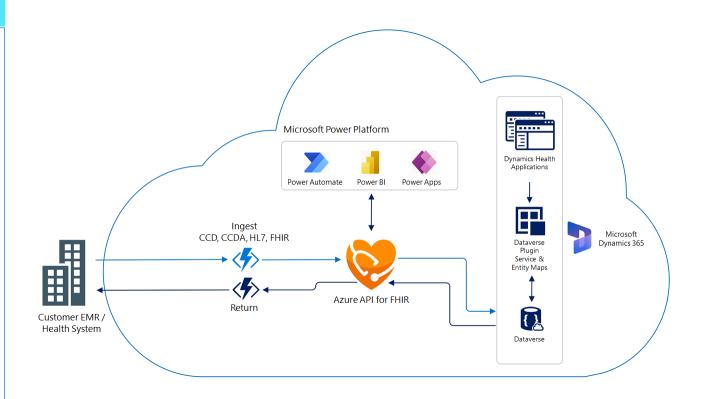
Rapidly Exchange Data

Holistic View of FHIR Data

Adapt and Extend Dataverse

Enrich Disparate Data Sets

End to End Data Pipeline











FHIR Sync Administration

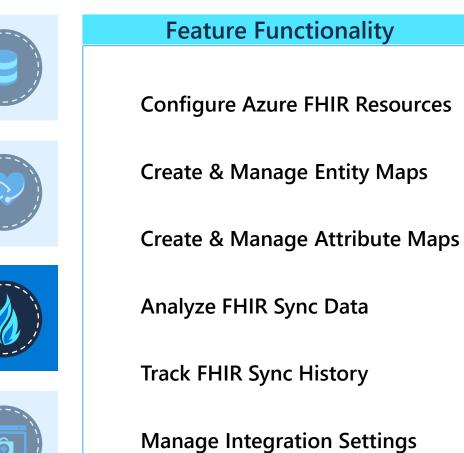
Manage your FHIR mappings, resources, and integration settings for Dataverse.

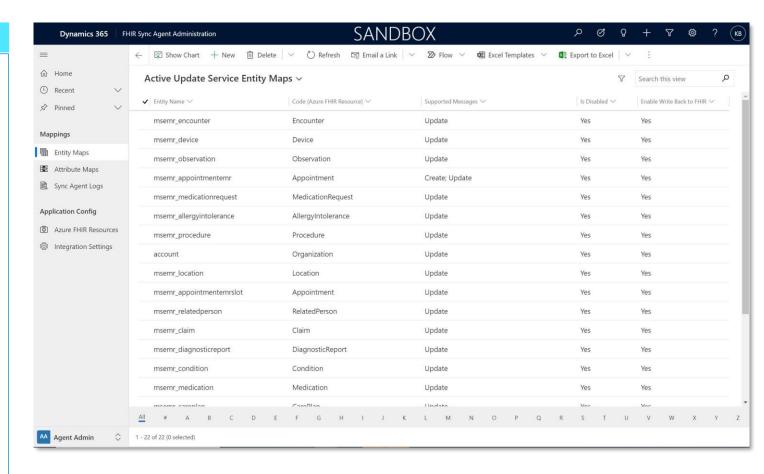




















Healthcare Administration

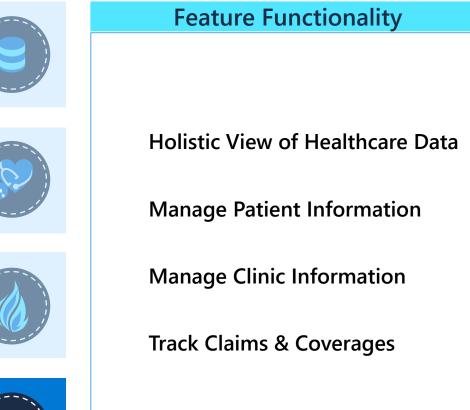
View and manage your healthcare data all in one place.

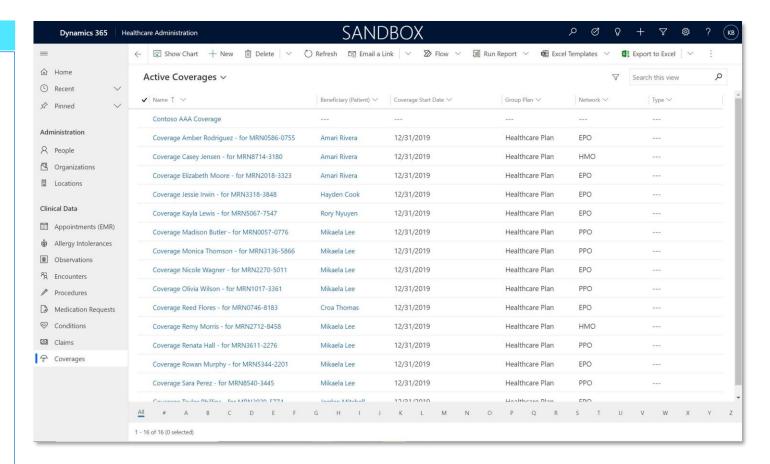




















Protect health information

Protect sensitive health data to support privacy and effective, end-to-end security and compliance



In Summary...



Unlock your data's full potential with the Microsoft Cloud for Healthcare



Trust

Consolidate data on a platform backed by investments in security, a commitment to privacy, and robust compliance offerings



Interoperability

Create a unified
data estate that
communicates
seamlessly with external
FHIR systems and critical
business applications



Intelligence

Reveal actionable, intelligent insights by applying AI and ML tools to comprehensive institutional datasets



Agility

Increase institutional
efficiency through
custom apps, role-based
dashboards, and
automated workflows

Next Session:

Module 2 Microsoft Cloud Solution Center



