



 **DynaTech** | Systems

Accelerate Business

About DynaTech

Unified Purpose, Shared Journey

DynaTech Systems stands out as a comprehensive and flexible solution for businesses looking to leverage technology to drive growth and innovation.

As thought leaders in digital transformation, we deliver cutting-edge solutions and industry best practices. From consulting and proof of concept to end-to-end implementation and custom solutions, our expertise ensures your success.



150+

Projects

100+

Happy Clients

350+

Expert Minds

What Sets Us Apart

DynaTech's Competitive Advantage



Global Work Experience
(USA, Europe, Asia) for
seamless rollouts



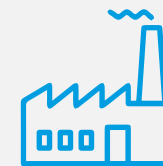
Successful Deployment
of 150+ Microsoft
Dynamics Projects



A single-stop shop for
all of Microsoft's
Business Applications



In-house QA Teams to
ensure Information and
Data Security



Empowering businesses in
Manufacturing, Retail,
Education, and more



Strategic Approach
Resulting in Quick
Turnaround & Solutioning

Microsoft Cloud Capabilities



Microsoft Azure



Azure Infra



Azure Services



Azure Fabric for BI



Logic Apps



Service Bus



Functions



Event Grid



API Management



Synapse Analytics



Data Lake



Data Factory



Load Testing



Microsoft Dynamics 365



Marketing



Sales



Finance



Supply Chain Management



Commerce



Customer Service



Field Service



Project Operations



Human Resources



Customer Insights



Finance & SCM



Copilot



Power Platform



Power Pages



Power BI



Power Apps



Power Automate



Copilot Studio



Dataverse

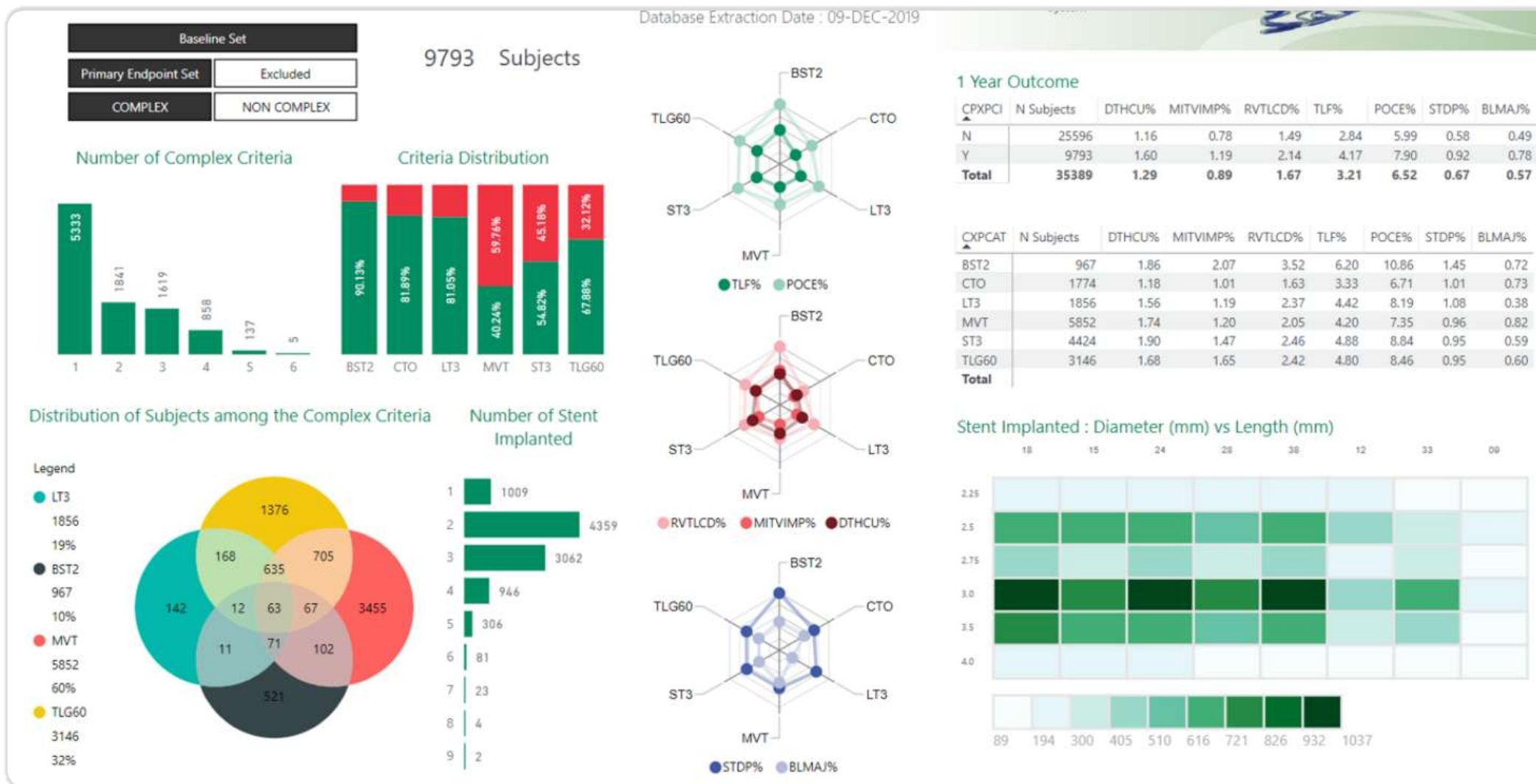


AI Builder

Dynamics 365 For Clinical Trials



It addresses preclinical testing in the laboratory before human trials.

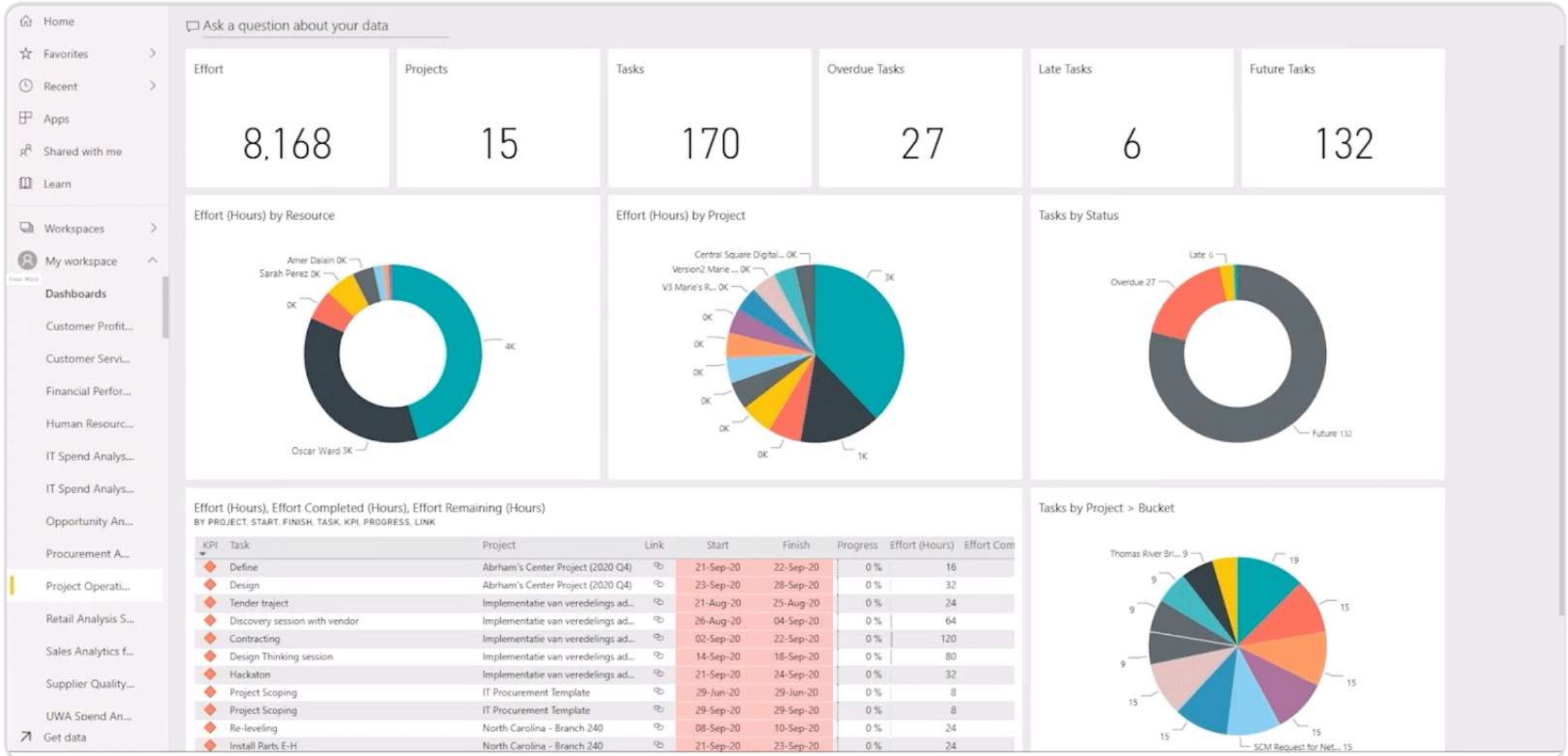


It involves mapping out each stage of the trial, anticipating potential obstacles, and implementing solutions that guarantee timely and high-quality outcomes.

The screenshot displays a project management interface for a 'Clinical Trial Project'. At the top, there is a navigation bar with various actions like 'Save', 'Assign', 'Save & Close', 'Copilot', 'Activate Project', 'Refresh Project Totals', 'Budget', 'Deactivate', 'Book', 'Delete', 'Refresh', and 'Share'. Below this, the project name 'Clinical Trial Project - Saved' is shown along with summary statistics: 'Active' status, '\$0.00' estimated labor cost, and '---' cost consumption percentage. A Gantt chart below the summary shows the project timeline with stages: New (11 Min), Quote, Plan, Deliver, Complete, and Close. The 'New' stage is currently active. Below the Gantt chart is a menu with options like 'Summary', 'Tasks', 'Team', 'Resource Assignments', etc. The main view is a 'Grid' showing a list of tasks with columns for Name, Assigned to, Start, Finish, Duration, Effort, Depends on, and Priority. The tasks are organized into two main sections: 'Pre Clinical Studies' and 'Clinical Trial Phases'.

Name	Assigned to	Start	Finish	Duration	Effort	Depends on	Priority
1 Pre Clinical Studies							
2 Search for active chemical compound	AP Aleksey Posunko	8/16/2024	9/16/2024	22 days	704 hours		Important
3 Pharma-cology	AB Alexander Blood	9/16/2024	10/19/2024	24 days	792 hours	2FS	Important
4 Industrial Authorization Process	AH Allison Halleck	10/19/2024	11/11/2024	16 days	528 hours	3FS	Urgent
5 Clinical Trial Phases							
6 Check Drug Effect on Healthy Individual	AN Andreas Niewoehr	11/11/2024	11/24/2024	9 days	312 hours	4FS	Low
7 Perform Limited Study	BM Brian McKenna	11/24/2024	12/17/2024	17 days	552 hours	6FS	Medium
8 Drug Authorization	AP Aleksey Posunko	12/17/2024	1/28/2025	31 days	1021.5 hours		Medium
9 Comparative Studies	AN Andreas Niewoehr	1/28/2025	2/24/2025	19 days	648 hours	8FS	Low

Trial Project analysis can be reviewed with the help of detailed power BI reports



- › Patients can access the portal and complete their enrollment process by filling up the basic form.
- › Once the form is filled up, they will receive a link and credentials to access the portal.
- › They can clarify their queries with the help of azure chatbot.

The screenshot displays the Contoso Healthcare patient portal for Patti Thomson. The interface includes a navigation menu on the left with options like Home, Find a doctor, Messages, Appointments, Medical records, and Personal information. The main content area features a welcome message, a 'Schedule an appointment' button, and a 'View messages' button. Below these are sections for 'Unread messages', 'Medications', and 'Upcoming appointments'. A chat window titled 'Let's chat' is open on the right, showing a conversation with the Azure Health Bot. The chatbot has introduced itself and offered assistance. The patient has responded with 'I twisted my knee when running'. The chatbot has then offered to help with booking an appointment, and a 'Book an appointment' button is visible at the bottom of the chat window.

Unread messages

From	Subject	Received
Preston Morales	Re: Referral	6/3/2021 8:29 PM

Medications

Medication	Ordered by
Inhaler	Jasmine Miller
Ibuprofen 600 mg	Jasmine Miller
Paracetamol	Jasmine Miller

Upcoming appointments

Date	Subject	Type	Provider	Location	Appointment status
3/29/2023	Patti	Instant			Arrived

Let's chat

AH: Hi! Welcome to Contoso Healthcare Patient Care. My name is Care Bot and I'm here to help today. In this chat window I can help to answer your questions, book an appointment and more. What can I do for you today?

Azure Health Bot - 4:52 PM

I twisted my knee when running

4:54 PM - Sent

AH: Let me see how I can help. Would you like to book an appointment, speak to a specialist now or something else?

Azure Health Bot - 4:54 PM

Book an appointment

Type your message

AI pulls a relevant patient list of potential trial candidates, served up for quick review so that the team can examine medical imaging, biomarker data, and patient history.

The screenshot displays the 'Azure Health Insights - Patient Timeline' interface. The patient profile for Keith Johnson (50yo, Male) is shown at the top left. The 'Patient Data' section includes birth date (Wed Mar 07 1973) and sex (Male). A 'Documents' table lists a visit record. The 'Filter By Type' dropdown is set to 'Medication', and 'Show events from' is set to 'All time'. The timeline shows medication events for May 5, 2021, December 9, 2019, and November 30, 2019.

Id	Clinical Type	Created	Kind	Content
PatientNo41_Visit	dischargeSumma	7/12/2016, 01:00:00	note	

Date	Medication	Time
May 5, 2021	fast-acting insulin	2:00 AM
December 9, 2019	Rocephin	1:00 AM
December 9, 2019	gabapentin	1:00 AM
December 9, 2019	Humalog	1:00 AM
November 30, 2019	Opioids	1:00 AM

Using Azure machine learning models, scientific officers can virtually identify diverse trial candidates for faster recruitment during the drug discovery process.

Trial Ineligibility Evidence

Patient id: NCT05099172

Eligibility Criteria Evidence

Exclusion

Patient Info Evidence

- Code: C0220650
- Name: Metastatic malignant neoplasm to brain
- System: http://www.nlm.nih.gov/research/umls
- Value: true

Eligibility Criteria Evidence

Exclusion: History of spinal cord compression or brain metastases with the following exceptions: Participants with treated brain metastases that are asymptomatic at screening are eligible in Dose Expansion if all of the following criteria are met

Patient Info Evidence

- Code: C0220650
- Name: Metastatic malignant neoplasm to brain
- System: http://www.nlm.nih.gov/research/umls
- Value: true

Clinical trial life cycle

The screenshot displays the Dynamics 365 Care Management interface for a patient. The top navigation bar includes 'Dynamics 365 Care Management' and a search bar. The patient's details are shown at the top right: 555-555-0100 (Mobile Phone), Female (Gender), 12/12/1970 (Date of Birth), and 9909945 (MRN). The 'Clinical timeline' tab is active, showing a calendar view from Sunday, Dec 3, 2023, to Saturday, Dec 9, 2023. The timeline includes several events: 'Nutrition' on Monday, 'Physiotherapy' on Wednesday, 'Medication renewal plan' on Thursday, and 'Patti Thom...' on Friday. A detailed view of a 'Virtual Visit' appointment is shown, titled 'Assess ECG Telemetry', with a description 'Review ECH telemetry from Remote device monitoring', status '-', type 'Task', start date '12/6/2023 7:00 AM', and end date '12/6/2023 7:30 AM'. The right sidebar shows 'Upcoming events' for Friday, December 8, 2023, and Saturday, Dec 9, including 'Virtual Visit - 12/08/2023 08:00 AM' and 'Patti Thomson Post Op Care Plan for MRN4470-0553'.

Scientific officers can analyze the extensive scientific literature and real-world evidence for disease trends and response to doses and delivery that may enhance or accelerate new discoveries.

Power Apps | Data & AI in Healthcare

Contoso Healthcare

What are the symptoms of insulin?

Welcome Back Dr. Admin Flow!
Have A Nice Day at Work

Current Consultation

Patti Thomson
Female · 53 years 3 months
Last Visit
20 November 2023
Prescription #Z190kTD

Upcoming

Madison Butler
30 December 2024 | 11:00 AM

Elizabeth Moore
23 October 2024 | 11:00 AM

Olivia Wilson
22 October 2024 | 07:00 PM

Olivia Wilson
03 August 2024 | 11:00 AM

Jessie Irwin
28 June 2024 | 12:30 PM

Medical History Examination Post - Consultation

Results

The preventive value of supplementary diabetes screening by the detection of cases of latent diabetes mellitus
All types of diabetes are treatable, Diabetes type 1 lasts a lifetime, there is no known cure. Type 2 usually lasts a lifetime get rid of their symptoms without medication, through a combination of yoga, exercise, diet and body weight control. Patients with Type 2 diabetes are usually treated with tablets insulin injections, as well as a special diet, yoga and exercise. Patients with Type 2 diabetes are usually treated with tablets insulin injections are also required. If diabetes is not adequately controlled the patient has a significantly higher risk of de
<https://pubmed.ncbi.nlm.nih.gov/5129949/>

Warning signs & classic symptoms of diabetes
Diabetes mellitus is a serious metabolic disease, affecting people of all geographic, ethnic or racial origin and its prevalent asymptomatic nature of type 2 diabetes in the early stages. It is essential that the people are educated on its warning signs are unexplained weight loss, frequent Fatigue, Irritability, Repeated infections in Genital areas, Urinary tract, skin, oral cavity Delayed Wound Healing.
<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4311308/>

Diabetes: Causes, Symptoms and Treatments
Diabetes (diabetes mellitus) is classed as a metabolic disorder. Metabolism refers to the way our bodies use digested food for energy and growth. Most of what we eat is broken down into glucose. Glucose is a form of sugar in the blood - it is the principal source of fuel for our bodies. Please find the following complications are Eye Complications, Foot Complications, Skin Complications, Heart Problems, High blood pressure, Mental Health, Hearing Loss, Gum Diseases, HHS (Hyperosmolar Hyperglycemic Nonketotic Syndrome) - blood glucose levels shoot up too high, and there are no ketones present in the blood or urine. It is an emergency condition.
<http://medrxiv.org/cgi/content/short/2020.05.16.20103820v1?rss=1>

Induced glycosuria and detection of diabetes in communities
Objective With the high prevalence of pediatric obesity and overlapping features between diabetes subtypes, accurately classifying youth-onset diabetes can be challenging. We aimed to develop prediction models that, using characteristics available at diabetes diagnosis, can identify youth who will retain endogenous insulin secretion at levels consistent with type 2 diabetes (T2D). Methods We studied 2,966 youth with diabetes in the prospective SEARCH study (diagnosis age <19 years) to develop prediction models to identify participants with fasting c-peptide >250 pmol/l (>0.75ng/ml) after >3 years (median 74 months) of diabetes duration. Models included clinical measures at baseline visit, at a mean diabetes duration of 11 months (age, BMI, sex, waist circumference, HDL-C), with and without islet
<https://pubmed.ncbi.nlm.nih.gov/5425176/>

See how results are affected with and without the following features:

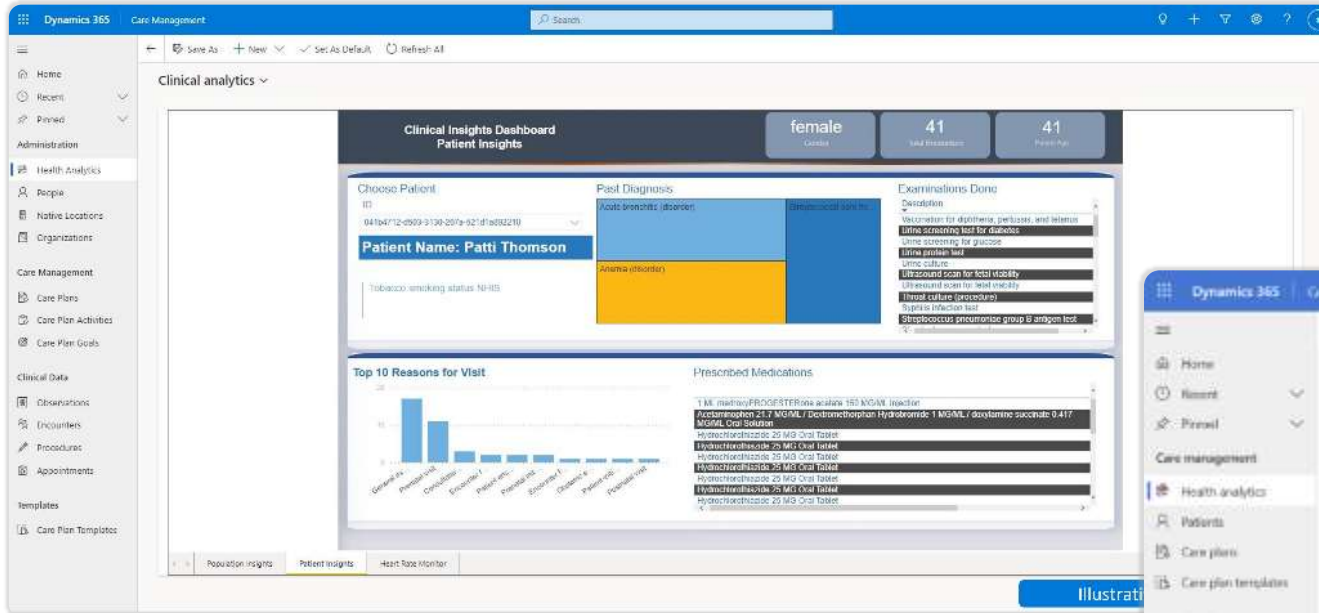
Spelling Off

Semantic Ranking On

Answers & Captions Off

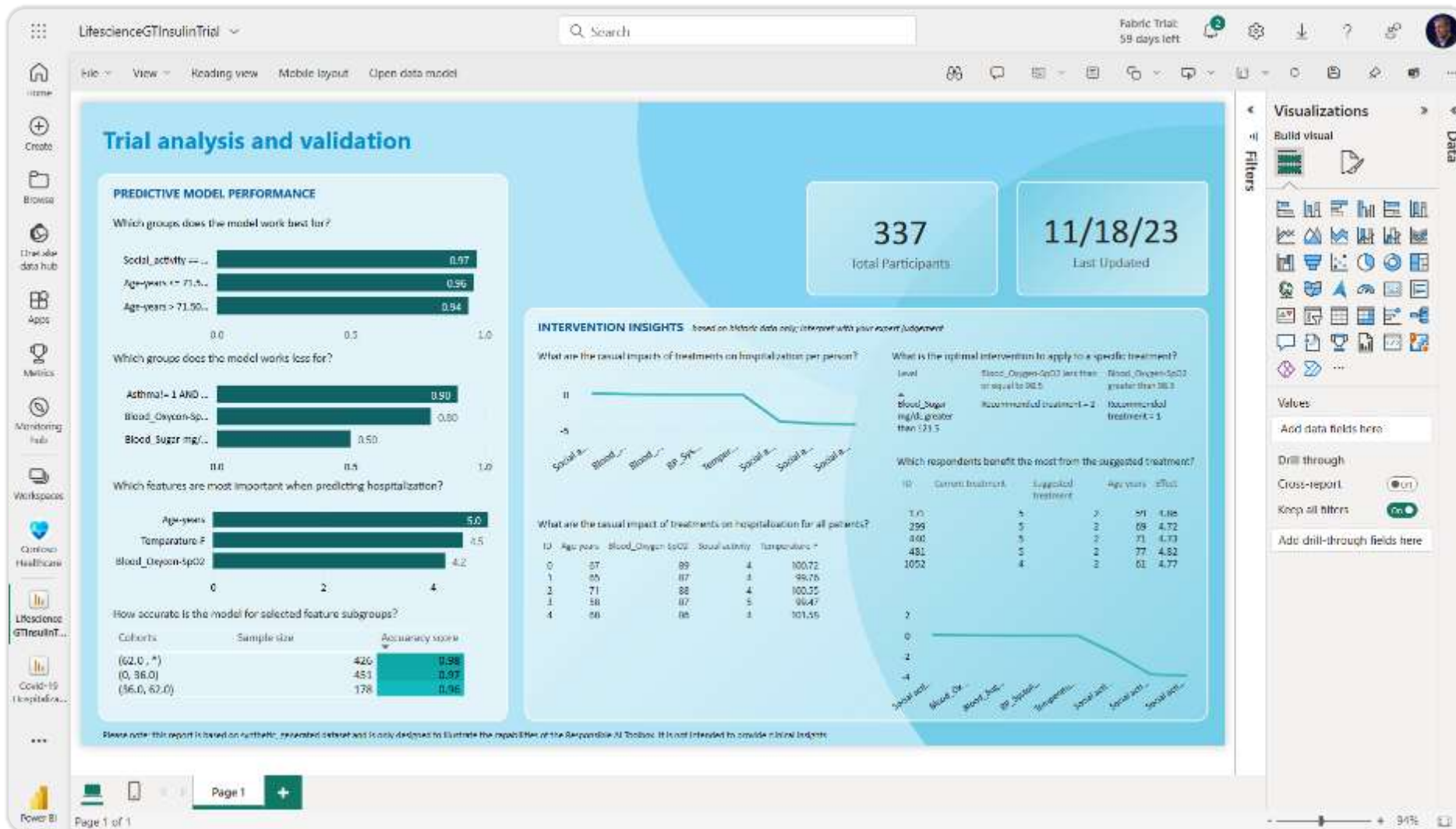
Linked Documents Off

Represents the analysis for patients' daily health progress to compare pre-trial and post-trial results.

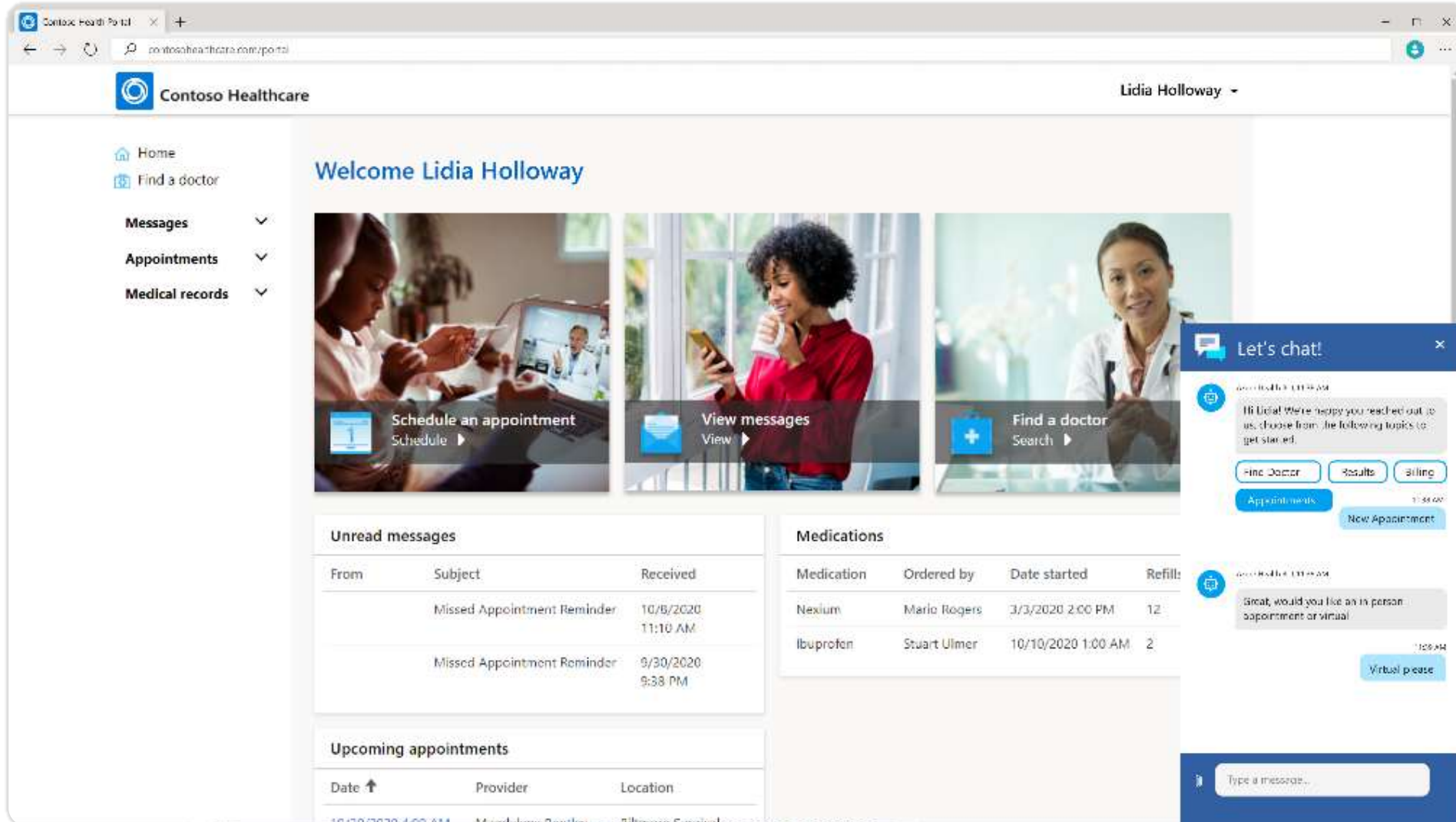


Illustration

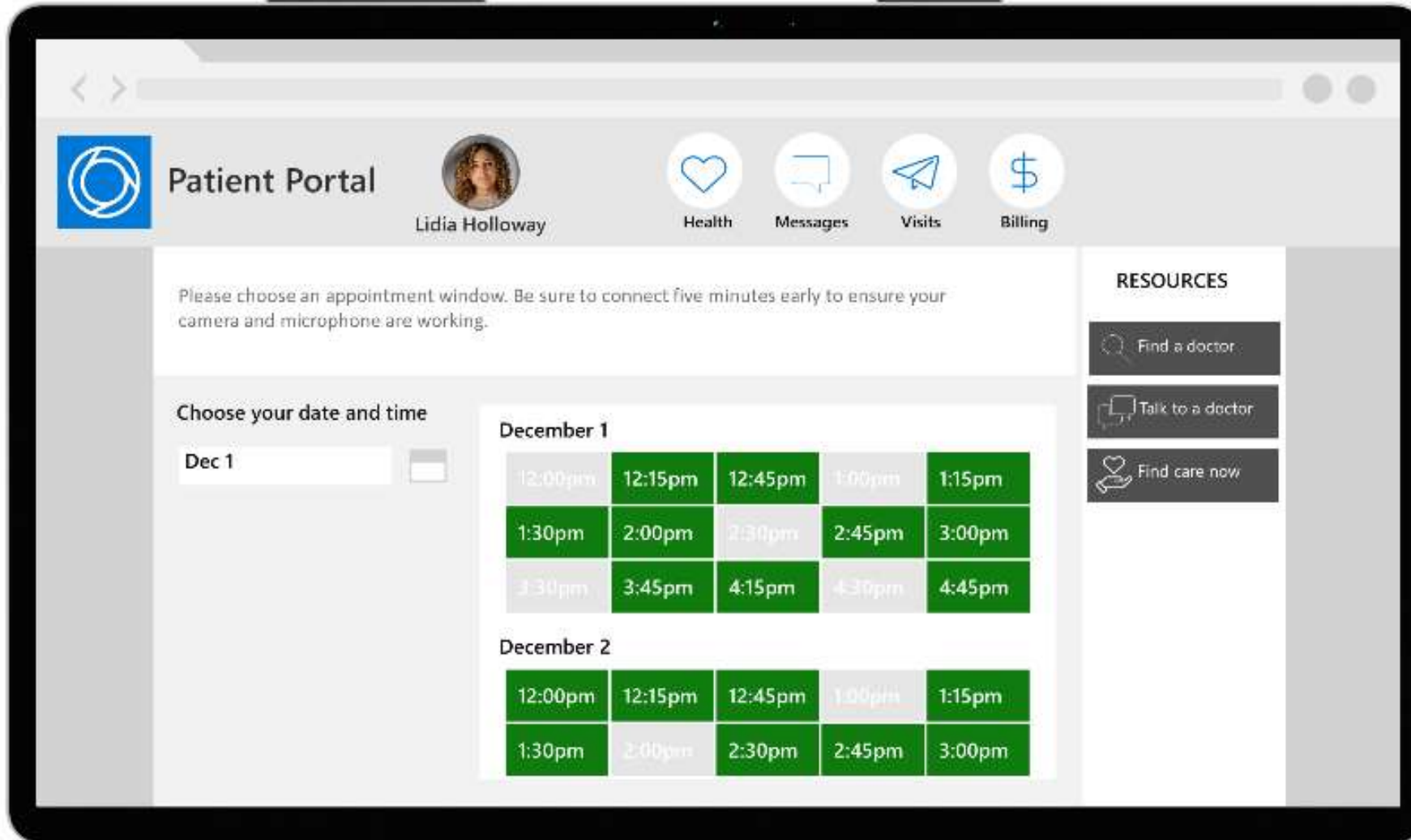
Microsoft allows Healthcare organizations to manage and analyze regulatory data via data analytics and AI-enabled compliance tools.



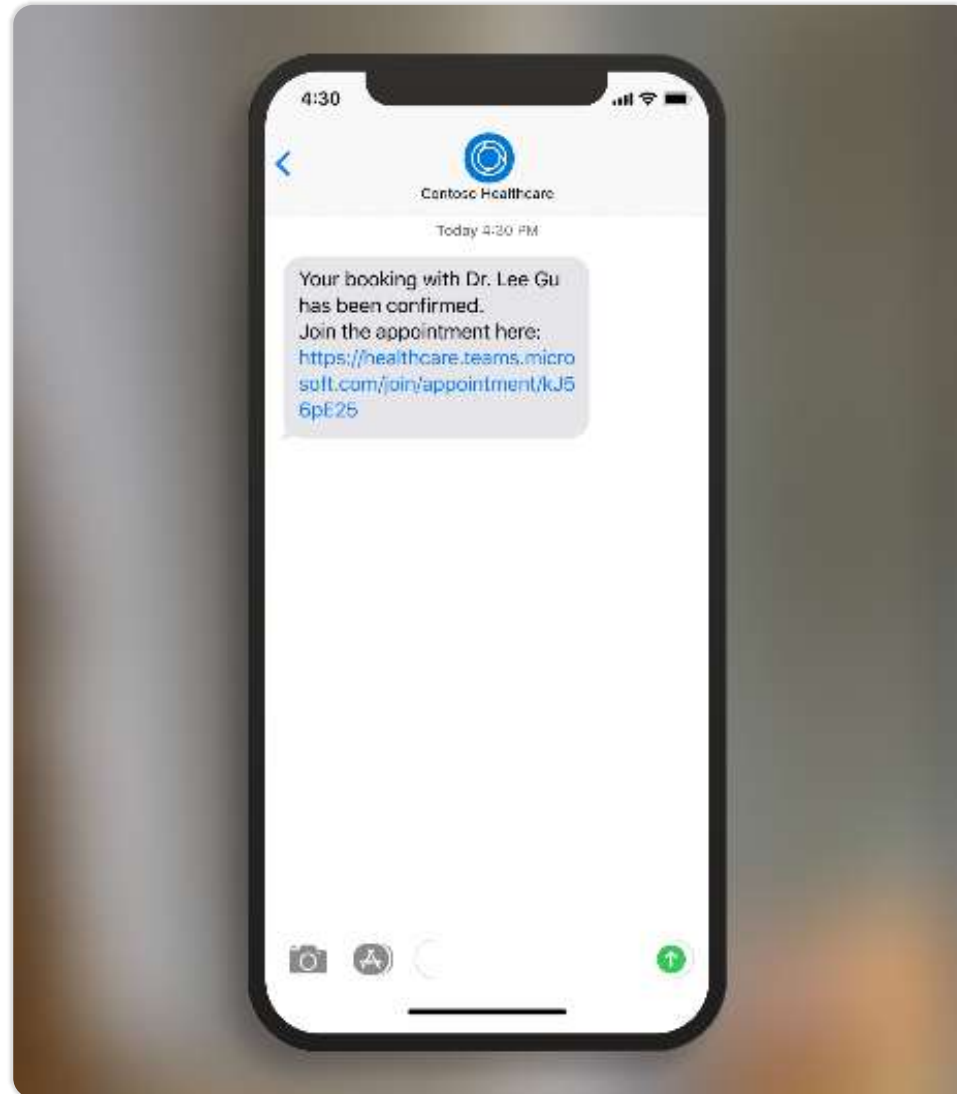
The Azure Health Bot can access all the medical history and lab results to help patient schedule an appointment.



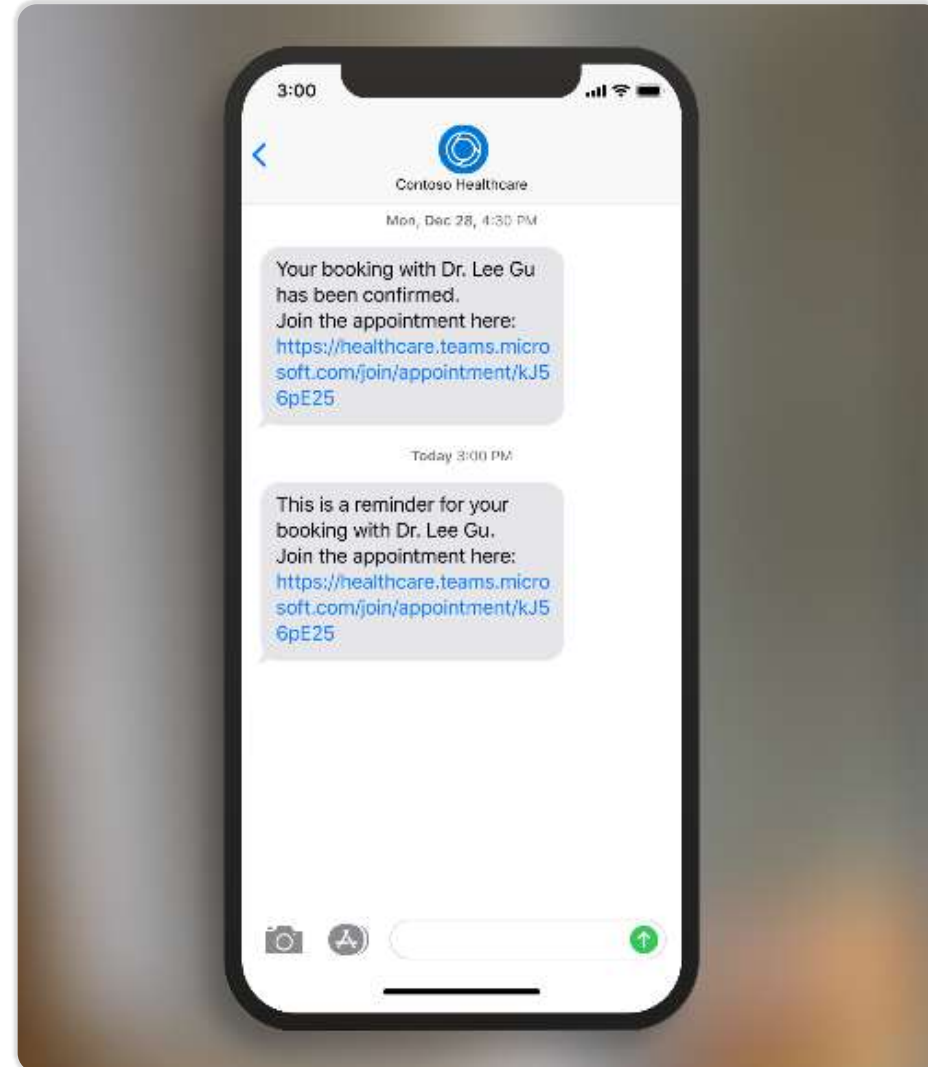
Patient can find their provider and select a time for the appointment.



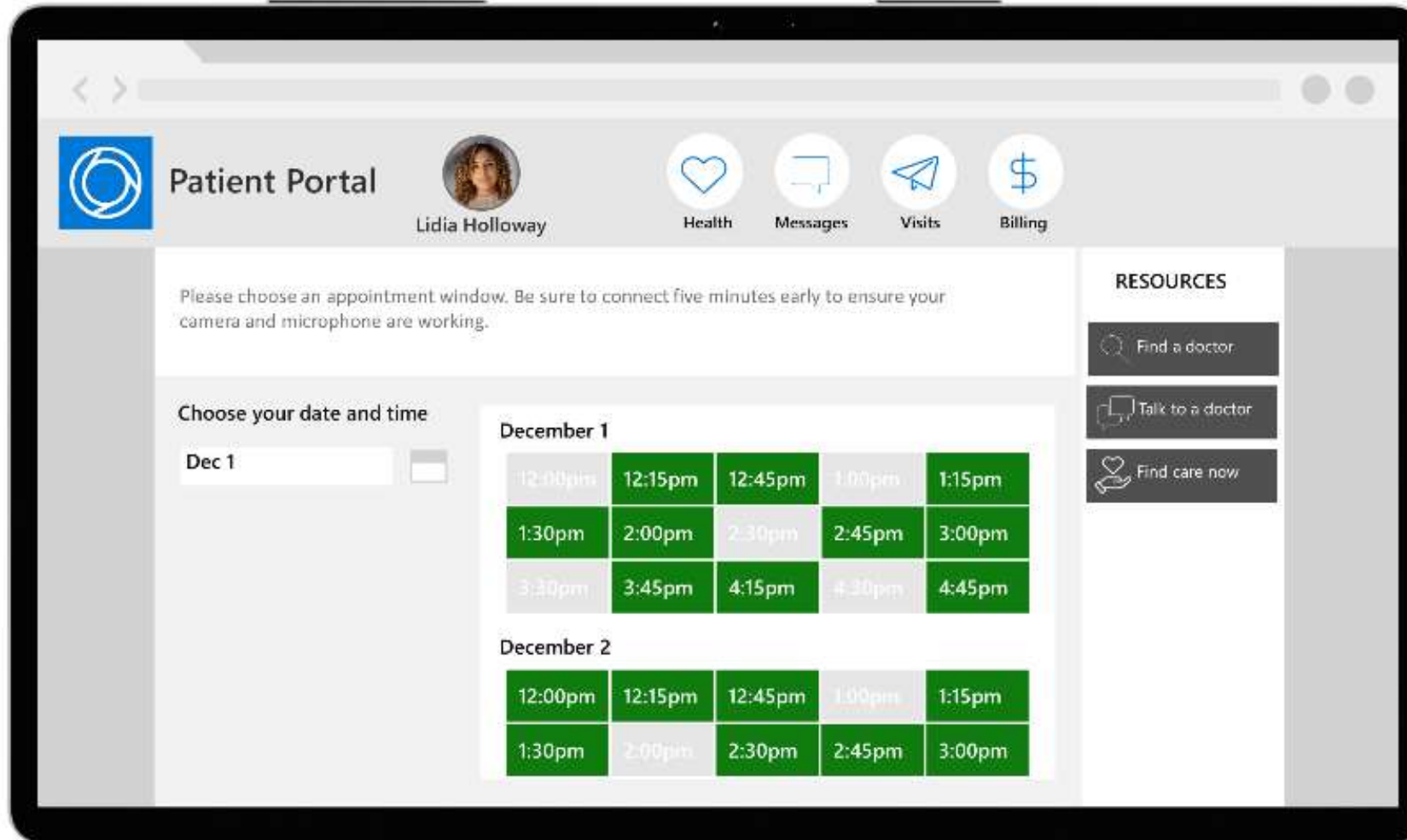
Microsoft Bookings automatically sends a confirmation text for appointment bookings.



On the day of the appointment, patient receives a reminder text and a simple link to join the appointment directly for her cell phone.



The patient can schedule their appointments for visiting labs with the help of calendar booking feature on portal.



Once the appointment is completed, patients will receive the survey link. They can fill up the survey form and track the survey progress while filling up the survey.

Rich analytics of surveys can be analyzed with copilot

New Patient Survey

The following questions ask about the effect of your health problems on your ability to work and perform regular activities. By health problems we mean any physical or emotional problem or symptom. Please select the appropriate answer

1. Are you currently Employed (working for Pay)

Yes

No

2. During the past seven days, how many hours did you miss from work because of your health problems? Include hours you missed on sick days, times you went in late, left early, etc., because of your health problems. Do not include time you missed to participate in this study.

Enter your answer

The screenshot displays a Microsoft Power BI dashboard titled "Trial patient feedback" for "NEW Insulin + Pump solution". The dashboard includes several visualizations:

- Age focus of participant responses:** A line chart showing the "Sum of Total Years" from 1920 to 2020. There is a significant spike around 1960.
- Feedback received:** A gauge chart showing a value of 4.34K.
- Patient reported allergies:** A table listing various allergies with columns for criticality, code, type, and implicit rules.
- Reported patient conditions:** A table listing medical conditions with columns for conditions, year, quarter, month, and day.

On the right side, the Copilot interface is active, providing a "Let's create a report" section with options like "Suggest content for this report" and "Create a page that shows...". Below this, it provides a summary of results to date:

The summary of the results to date is:

- The data shows the sum of total years, sum of age, and sum of round down by year and month from December 1913 to August 2020.
- All three measures have a downward trend over time, with some fluctuations and outliers. The sum of total years has the most dramatic decline, dropping by 99.53% from 324.71 to 1.53. The sum of

At the bottom, there is a prompt: "Describe the report you want or select the prompt guide for ideas".

The doctors will receive a survey form based on which they can provide their feedback for the patient health and progress.

New Patient Survey

The following questions ask about the effect of your health problems on your ability to work and perform regular activities. By health problems we mean any physical or emotional problem or symptom. Please select the appropriate answer.

1. Are you currently Employed (working for Pay)

Yes

No

2. During the past seven days, how many hours did you miss from work because of your health problems? Include hours you missed on sick days, times you went in late, left early, etc., because of your health problems. Do not include time you missed to participate in this study.

Enter your answer

3. When all is said and done, I am the person who is responsible for taking care of my health

Disagree Strongly

Disagree

New Patient Survey

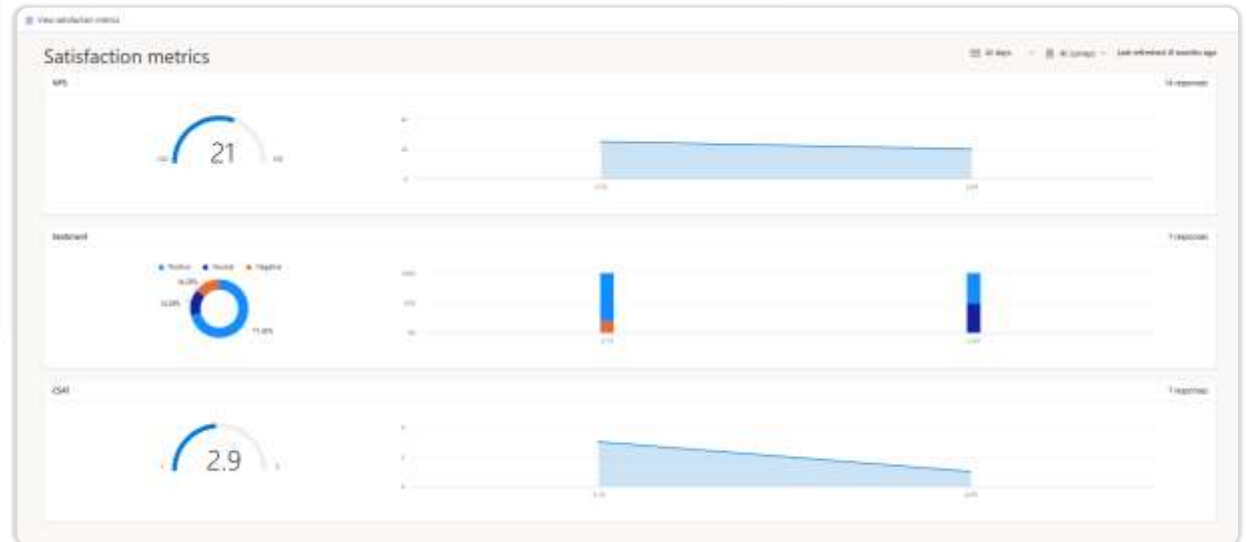
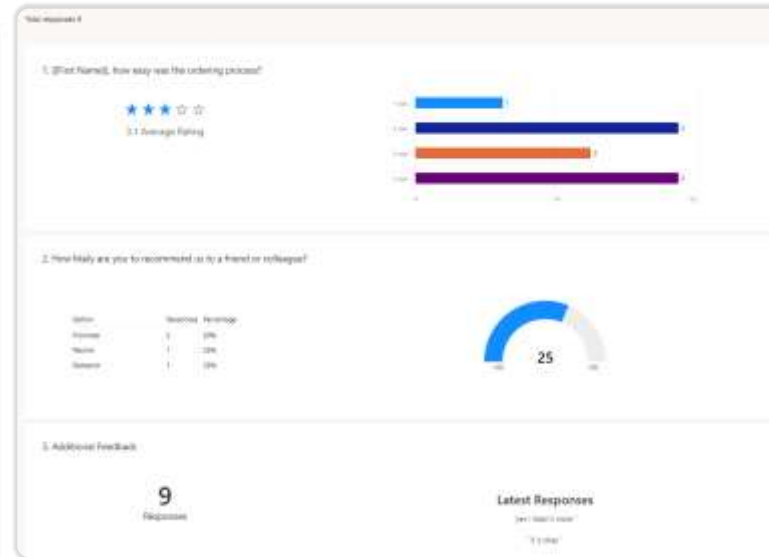
The following questions ask about the effect of your health problems on your ability to work and perform regular activities. By health problems we mean any physical or emotional problem or symptom. Please select the appropriate answer.

1. Are you currently Employed (working for Pay)

Yes

No

2. During the past seven days, how many hours did you miss from work because of your health problems? Include hours you missed on sick days, times you went in late, left early, etc., because of your health problems. Do not include time you missed to participate in this study.



The documents related to patients' health care can be stored within D365 and can be reviewed with the help of different document type categorization.

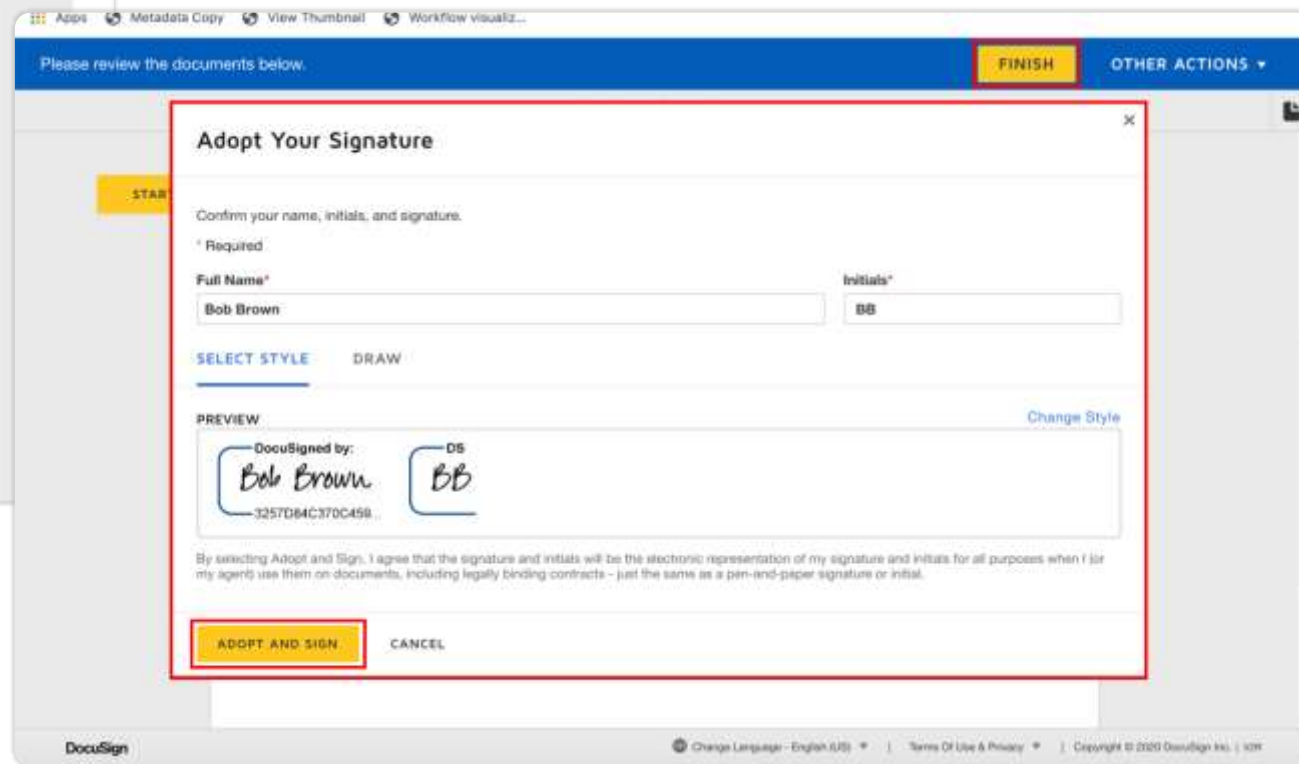
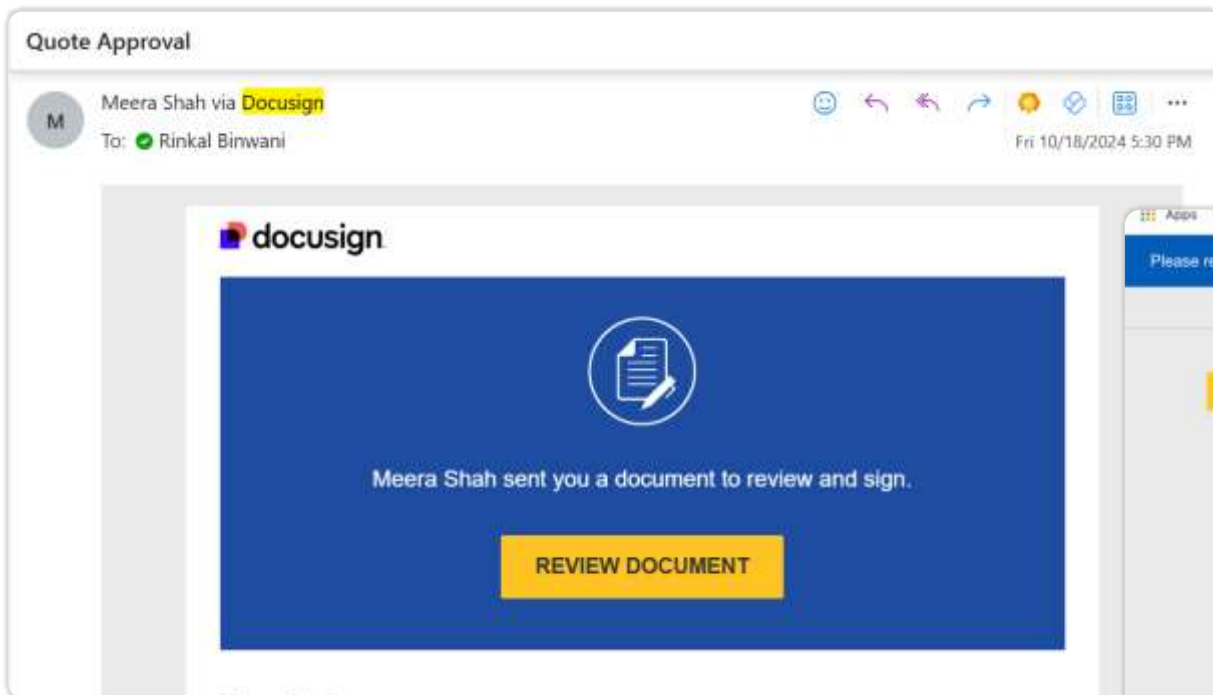
Documents

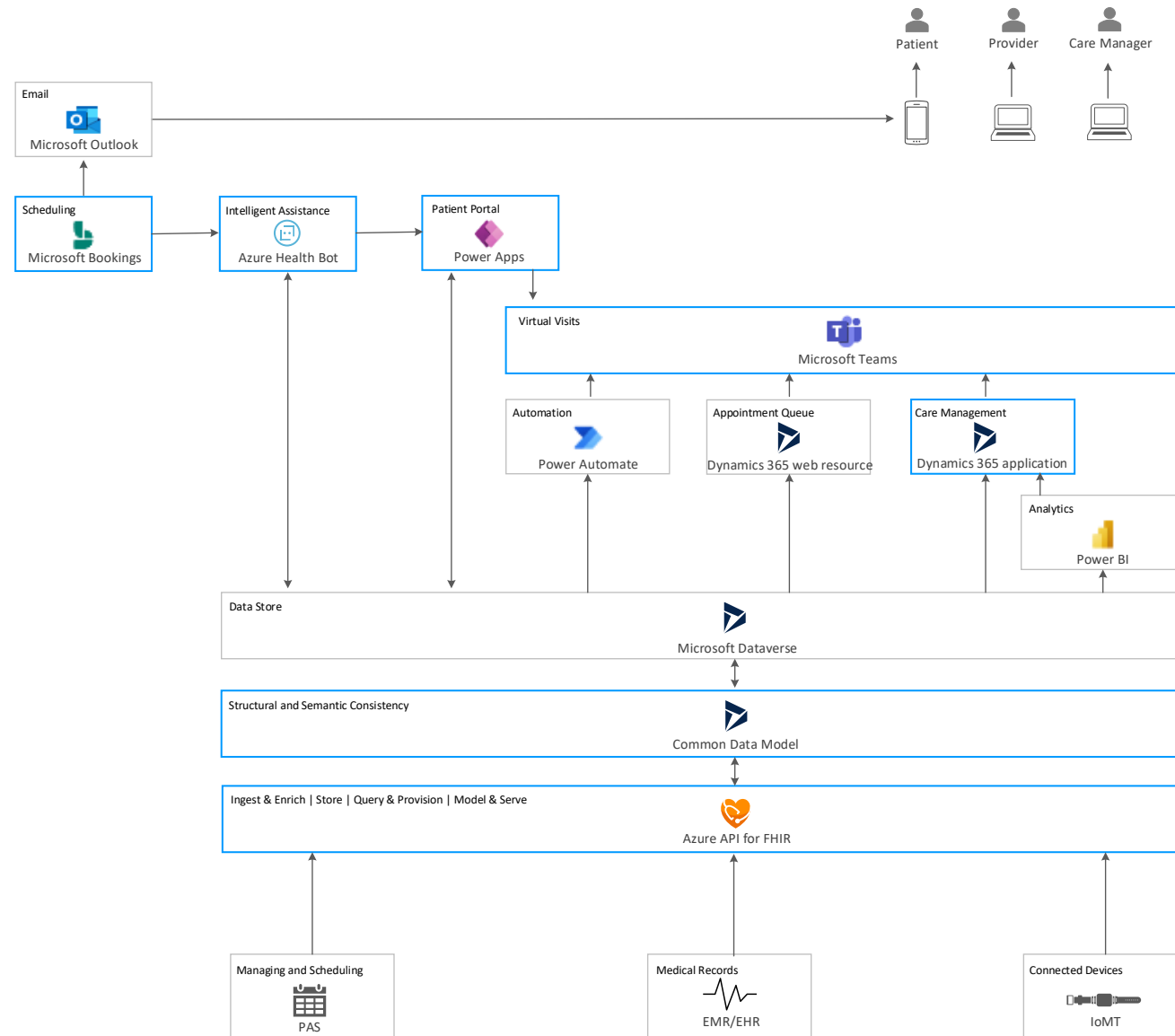
+ New Documents Refresh Flow Run Report

<input type="checkbox"/>	Name ↑	Type	File Attachment	Project	Patient	Doctor	Created On
<input type="checkbox"/>	Government-issued ID	Driver's License		Clinical Trial Proje...	Emma Chong	Dr. Hamber Stay	6/27/2024 10:38 PM
<input type="checkbox"/>	Informed Consent Form	Consent Form		Clinical Trial Proje...	Emma Chong	Dr. Kimberly Clay	6/27/2024 10:39 PM
<input type="checkbox"/>	Lab Test Results	Blood Report		Clinical Trial Proje...	Emma Chong	Dr. Paty Stalk	6/27/2024 10:35 PM
<input type="checkbox"/>	Previous Medical Reports	Diagnoses		Clinical Trial Proje...	Emma Chong	Dr. Ambeli Clark	6/27/2024 10:42 PM

Rows: 4

- › Consent forms can be designed and sent to customers for signature with the help of integrations like DocuSign or adobe.
- › The received consent can be attached in patient form.





Want to know more?

Contact Us!

DynaTech Systems has proudly served clients seeking advanced tech solutions across the globe with top-notch precision and excellence.



Locations

USA, Canada, UK, India



Mail Us

sales@dynatechconsultancy.com



Phone

+1 844 787 3365



Visit Our Website

www.dynatechconsultancy.com