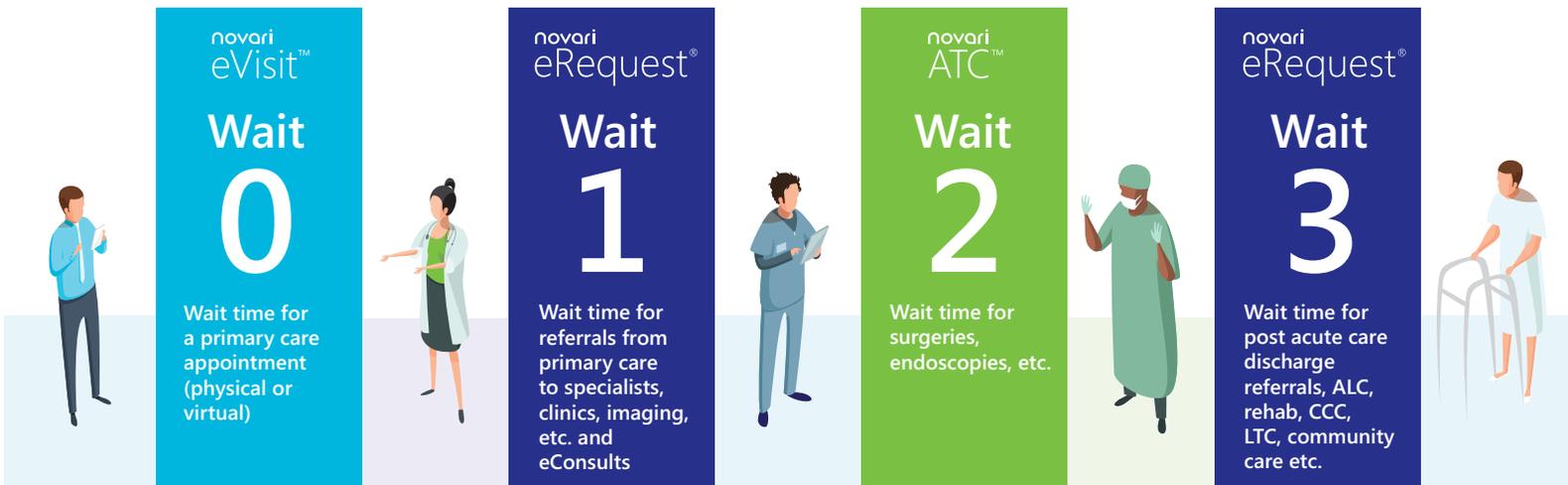




**For Hospitals,  
Health Regions,  
and Provinces**

- Wait List Management
- Wait Times Reporting
- eBooking
- Pre-Op Standardization
- Business Intelligence





## Novari ATC™ Overview

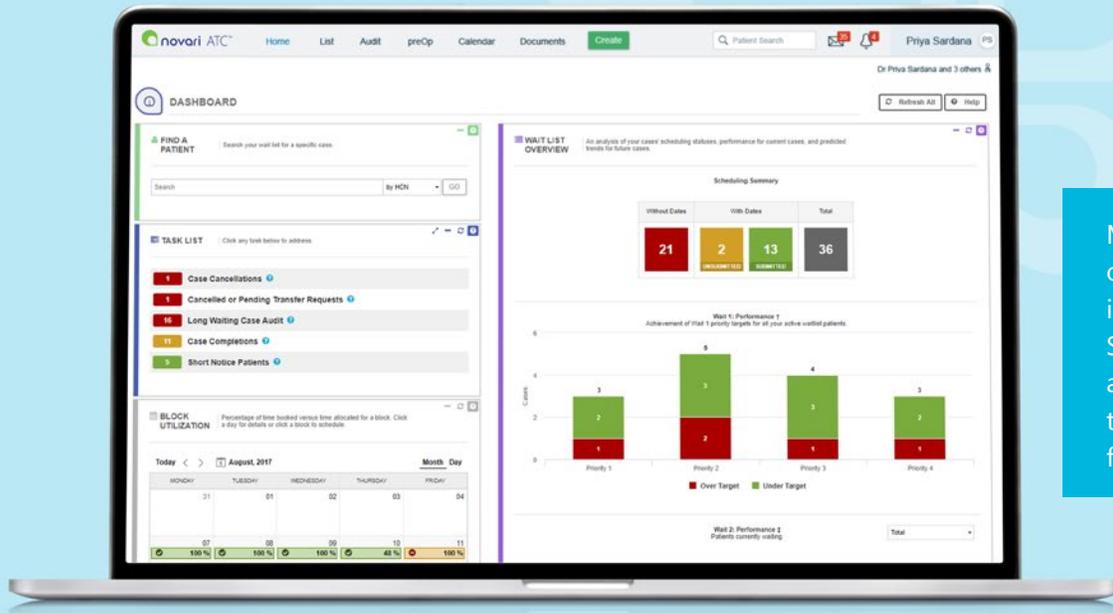
“The surgical programs across our region are working diligently to improve access to care for our patients. Novari’s innovative technologies are an important piece of this vital work”

– Dr. David A. Puskas MD MSC FRCS, Muskuloskeletal Health TBRHSC

Novari ATC is a widely deployed web-based enterprise software system that integrates specialist offices, hospital booking offices, registration departments, and pre-admission clinics across a province, health region or at individual hospitals. It provides intelligent wait list management, paperless electronic booking of patients, and completely automates reporting of wait times, CJRR, and GI Endoscopy DSP to provincial authorities. The optional Pre-Admission Clinic module uses the power of the web to standardize, manage and assist in scheduling patients being prepared for surgery and other treatments.

Originally designed for a hospital’s surgical program, the Novari ATC system now meets the needs of multiple hospital based “care venues” to include the main OR, minor procedures, endoscopy, birthing and others. Web-based and completely scalable, the software can be deployed at a single hospital, across a health region, LHIN or province.

This “Wait Two” solution integrates with Novari Health’s “Wait One and Wait Three” solution – Novari eRequest® (eReferral), to provide the only complete and integrated wait time and eReferral system to manage the patient journey from GP to specialist to hospital and other destinations along the way.



Management of patients on the wait list dashboard is quick and simple. See which patients are approaching their wait time target and schedule them for their procedure.

## ATC & List Management

- Electronically prioritize, track and manage patients waiting for surgery and other treatments.
- Eliminate the need for paper by electronically sending booking requests to the hospital(s) with attachments.
- Automatically open cases in provincial wait times systems.

## Automatic Wait Times Reporting

- Automatically open and close cases in provincial wait times systems with no additional data entry required.
- Virtually eliminates the burden of wait times reporting and its associated costs for physician offices and hospitals.
- Supports Ontario GI Endoscopy DSP and Federal CJRR Reporting.

## Surgical & Other Programs

- Receive accurate & complete bookings from physician offices electronically to the hospital's scheduling systems. Integration available for hospital OR scheduling systems and others.
- Know in real time who is waiting for treatment by service, by procedure, by surgeon and how long they've waited. Use this business intelligence information to allocate hospital and regional resources and reduce wait times.

## Pre-Admission Clinics

- Electronically and paperlessly communicate patients' preparation status to the physician offices and OR Department.
- Standardize the pre-surgical preparation of patients based on hospital defined medical criteria, ensuring timely and appropriate preparation to reduce cancellations.

## Regional Health Leadership

- Gain accurate and real time information on the number of patients waiting for treatment across the region.
- Identify long waiters and bottlenecks in the system.



# Surgical & Other Programs

## Integrated eBookings

Streamline the booking process for surgical and other hospital programs by receiving all bookings electronically from the physician offices to your existing scheduling system (including required documents). The software is easy to use and improves the booking clerks' ability to manage incoming bookings while providing program leadership with tools to better understand the volume of cases in the pipeline.

## Integration with OR / Hospital Information Systems

- Comprehensive integration to OR, Hospital IT systems.
- Integration with client registries for a single source of patient demographics.

## Communication

- Send and receive secure electronic messages pertaining to any case. Messages can be sent to and from the physician offices, pre-admission clinics and registration.
- See at a glance the pre-admission preparation status of all patients.

## Bookings

- Booking requests from physician offices mirror the procedure dictionary in hospital's IT systems including accurate physician specific average procedure times.
- Send automated messages to physician offices as a reminder of any un-submitted blocks.
- Move to a paperless eBooking process by receiving bookings with attached electronic documents (history & physicals, consent, etc).

## Automated Reporting

- Make required wait times reporting easy by automating the opening, updating and closing of cases in the provincial wait times system.
- Supports both Ontario GI Endoscopy Data Submission Protocol (DSP) and Canadian Joint Replacement Registry (CJRR) reporting.

## Resource Planning

- Understand in real time the volume of cases in the pipeline and demand for resources by departments and services.



# Physician Offices

## Streamlined Patient Management and eBooking

Give your physicians a sophisticated web-based, easy to use wait list management, remote booking and wait times reporting system. Novari ATC makes adding patients to wait lists, reporting them to the provincial wait list registry and electronically booking them for treatment at the hospital easy and intuitive for both physicians and medical office assistants. A colour coded dashboard view of individual physician wait lists, provides an intuitive way of tracking patients as they wait and quickly identifying patients approaching provincial wait time targets.

### 90–Second or Less Patient Entry

- Auto populate cases with patient demographics eliminating duplicate data entry.
- Procedure selection aligns perfectly with hospital's OR IT system.

### Painless Wait Time Reporting

- With no additional effort from the physician office or the hospital, the system automatically reports all necessary wait time information to the provincial and federal wait time systems. Never complete and submit wait times forms or log into a wait times site again.

**“We deployed the Novari ATC module and saw immediate and positive operational efficiency results. Most notably, we improved access to care for our patients”**

– Keary Fulton-Wallace, Senior Health Information Specialist, St. Thomas Elgin General Hospital

### eBooking of Patients

- Easily see and select patients from the wait list and send the eBooking electronically to the hospital booking offices.
- Send bookings and all required attached documents from the specialist office to the hospital without the need for paper.
- Receive booking confirmations from the hospital scheduling system and be notified of all changes made to bookings.

### Enhanced Communication

- Automatically create letters, patient instructions, consent forms, etc.
- Scan or upload documents to cases such as history & physicals, test results, etc.
- Send and receive secure messages to and from the booking offices and pre-admission clinics.



# Wait Times, CJRR & GI Endoscopy DSP Reporting

## Accurate, Effortless Reporting

Novari ATC brings innovation and simplicity to wait times, CJRR and GI Endoscopy DSP reporting. It's a proven and invaluable tool for those responsible for reporting wait times to provincial authorities and allocating resources to meet wait time targets. Designed in Canada by a team of clinicians and health IT experts, Novari ATC is compatible with and complements provincial wait time systems across the country (WTIS, PAR-NS, and others). Novari ATC automatically feeds accurate wait time information to the province, strengthening the effectiveness of the provincial wait times system while eliminating the burden on physician offices and hospitals.

“Novari ATC is a single system that handles all our national and provincial wait times reporting requirements with no duplicate data entry. The tool provides comprehensive, accurate, high-quality patient and wait list data, and streamlines our reporting processes. It makes our lives a lot easier and we are privileged to have it.”

– Michelle Howland,  
Data Management Coordinator,  
Kingston Health Sciences Centre

## Fully Automated Wait Times Reporting

- Eliminates the need for physician offices to spend time completing wait times paper forms or entering data on provincial wait times web sites.
- Supports the capture of “wait 1” (date of referral to date of appointment) and “wait 2” (date of decision to treat to date of procedure).
- The only software available that reduces duplication in the surgical offices by combining an advanced patient management system with automatic wait times reporting.
- Reports the completion or cancellation of scheduled cases automatically.
- Ensures virtually error-free reporting. Our clients achieve a message success rate of more than 99.9%.
- Easily find and re-transmit any HL7 message in seconds.

## CJRR & GI Endoscopy DSP Reporting

- Supports both Ontario GI Endoscopy DSP and Canadian Joint Replacement Registry (CJRR) reporting.

## Provides Simple Tracking of Target Volumes

- Supports wait time coordinators in tracking the timely completion of target volumes.
- Built-in real time reporting supports customized reports of monthly case completion relative to targets.
- Reports available on “booked” and “un-booked” cases from the physician offices.
- Quick & easy identification of physician offices containing target volume cases.

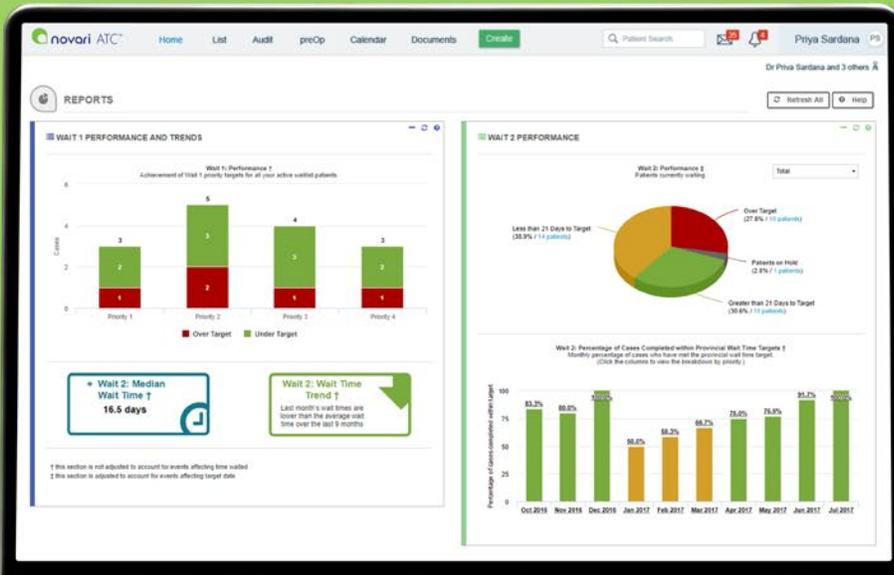
novari ATC Home List Audit preOp Calendar Documents Create Patient Search Priya Sardana PS

WAIT LIST Patients 1-22 of 22

Priority Selected Practitioner Show Paused Patients Filtered Edit Filter

State & Consent	Name	MRN	Procedure	Target Days (Std)	Care Venue	Assess	Next Available	Current Orig Date	Days on list	Adjusted Days to Target	PSS Status	Referral ID
SELECTING THE		P000031707	HIP REVISION TOTAL JOINT REPLACEMENT (Right) 50 minutes	30 (2)	NOHOM	Y		2018/06/07	1296	-1296	NA	35121
CELL_FRODOCT	187183		HIP PRIMARY TOTAL JOINT REPLACEMENT (Right) 50 minutes	14 (2)	NOHOR	Y		2018/06/08	27	-13	Target	11593
BIGON_15	135688		HIP REVISION TOTAL JOINT REPLACEMENT (Right) 50 minutes	14 (2)	NOHOR	N		2018/06/03	20	-6	Target	78294
MASLO_LUGSI	208074		KNEE REVISION TOTAL JOINT REPLACEMENT (Right) 50 minutes	14 (2)	NOHOR	Y		2018/06/06	12	1	NA	24913
DESSIC_KING	273894		HIP REVISION TOTAL JOINT REPLACEMENT (Right) 50 minutes	30 (2)	NOHOR	Y		2018/06/04	28	1	NA	19370
KNOGHT_MET3	273758		HIP PRIMARY TOTAL JOINT REPLACEMENT (Right) 50 minutes	30 (2)	NOHOR	Y		2018/06/07	27	2	Target	27010
MASGOL_NOLVER	21346		KNEE REVISION TOTAL JOINT REPLACEMENT (Right) 50 minutes	21 (2)	NOHOR	Y		2018/06/06	17	4	NA	11243
MASLO_LUGSI	209974		KNEE REVISION TOTAL JOINT REPLACEMENT (Left) 50 minutes	14 (2)	NOHOR	Y		2018/06/07	7	-7	Target	77396
KONG_DONKEY	235393		KNEE REVISION TOTAL JOINT REPLACEMENT (Left) 50 minutes	14 (2)	NOHOR	N			1	12	NA	44033
BOND_JAMES	264485		HIP PRIMARY TOTAL JOINT REPLACEMENT (Right) 50 minutes	182 (4)	NOHOR	Y		2018/06/08	149	32	Target	39004
MASLO_MASLO	300792		HIP PRIMARY TOTAL JOINT REPLACEMENT (Right) 50 minutes	182 (4)	NOHOR	Y		2018/04/01	131	30	NA	74874
KAMAROT_GOUV	212309		KNEE REVISION TOTAL JOINT REPLACEMENT (Bilateral) 50 minutes	182 (4)	NOHOR	Y		2018/04/18	131	50	Target	34623
MASGOL_KEN	131728		HIP REVISION TOTAL JOINT REPLACEMENT (Left) 50 minutes	182 (4)	NOHOR	Y		2018/06/05	91	90	Target	42565
STEPE_CLOUD	198009		KNEE PRIMARY TOTAL JOINT REPLACEMENT (Right) 50 minutes	28 (2)	NOHOR	Y			0	92	Target	24069
SLEPER_SILVER	12345		KNEE PRIMARY TOTAL JOINT REPLACEMENT (Right) 50 minutes	84 (2)	NOHOR	Y			0	132	NA	54310
PANSE_SAV	125249		KNEE PRIMARY TOTAL JOINT REPLACEMENT (Right) 50 minutes	182 (4)	NOHOR	Y		2018/06/05	28	153	Target	76513
MASLO_MASLO	202792		HIP PRIMARY TOTAL JOINT REPLACEMENT (Right) 50 minutes	182 (4)	NOHOR	Y		2018/04/01	131	50	NA	74874
KAMAROT_GOUV	212309		KNEE REVISION TOTAL JOINT REPLACEMENT (Bilateral) 50 minutes	182 (4)	NOHOR	Y		2018/04/18	131	50	Target	34623
MASGOL_KEN	131728		HIP REVISION TOTAL JOINT REPLACEMENT (Left) 50 minutes	182 (4)	NOHOR	Y		2018/06/05	91	90	Target	42565
STEPE_CLOUD	198009		KNEE PRIMARY TOTAL JOINT REPLACEMENT (Right) 50 minutes	28 (2)	NOHOR	Y			0	92	Target	24069
SLEPER_SILVER	12345		KNEE PRIMARY TOTAL JOINT REPLACEMENT (Right) 50 minutes	84 (2)	NOHOR	Y			0	132	NA	54310

Easily monitor achievement of volumes and wait time targets



Generate powerful reports with a few clicks. Any report can focus on specific case volumes by procedure, specialty, facility, or any other case parameter.



# Pre-Surgical Screening

## Standardized, Timely, Complete Preparation

The optional Pre-Surgical Screening (PSS) extends the web-based integration between the physician offices and hospital booking offices to include the pre-admission clinics. Using standardized hospital defined criteria, the PSS module uses intelligent logic based on alerts, co-morbidities, procedures and medications to specify the required pre-surgical preparation for each patient. The pre-surgical preparation status of patients is colour coded and displayed for the physician offices, booking offices and staff in the pre-admission clinic. Additionally, the PSS module can facilitate sophisticated appointment scheduling for the pre-admission clinic by the physician offices and / or the pre-admission clinic staff.

### Information Sharing

- Staffing, physician offices, pre-admission clinics and booking offices, share the same information.
- Physicians and pre-admission clinic staff can add or edit the pre-operative requirements.

“Based on my years of clinical experience I immediately understood the value of a software tool to improve the coordination of patient preparation for surgery. Novari PSS is the result of a strong collaboration with hospitals and Novari Health’s technical team.”

—Dr. W. John S. Marshall, former Chief of Staff, former CEO – Kingston General Hospital. CEO, Novari Health.

### Hospital Defined Rules for Patient Preparation

- Each hospital can create its own set of patient preparation rules for tests and consultations triggered by the type of procedure, alerts, medications, comorbidities and patient demographics.

### Patients Fully Prepared for Surgery

- All users can track the pre-surgical preparation status of patients and ensure that patients are prepared on time thereby reducing costly and inconvenient cancellations.

### Enhanced Communication

- Automatically create letters, patient instructions, consent forms, etc.
- Scan or upload documents to cases such as test results, history & physicals, etc.
- Send and receive secure messages from the physician offices and booking offices.



# Healthcare Leadership

## Better Information. Better Decisions.

Novari ATC is the only web-based software tool available in Canada enabling all levels of healthcare leadership and governance to understand, manage and control their surgical and other treatment wait times and access to care challenges. A single instance of the software can be deployed at an individual hospital or leveraged across a LHIN, health region or province, providing unprecedented “access to care” business intelligence. The Novari ATC system includes powerful and easy to use reporting tools to support decision making and the allocation of resources. The software integrates the physician offices with the hospital booking offices and completely automates mandated provincial wait times reporting along with supporting Ontario GI Endoscopy DSP and federal Canadian Joint Replacement Registry (CJRR) reporting.

“We deployed the Novari ATC solution across our LHIN to provide all of our surgeons with a single web-based solution for wait list management and Operating Room bookings that allows a real-time, transparent view of patient progress from decision to treat to procedure (cut time).”

– Paul Barker, Past Senior Director, Performance, Contracts and Allocations, Central East LHIN

### Process Management

- Provides reports and analysis of all cancellations and their causes to support process improvement and early identification of process bottlenecks.
- Improves pre-procedure patient preparation and prevents cancellations by building hospital managed and standardized intelligent patient preparation into the system.
- Improves and standardizes timeliness and completeness of paperless hospital electronic eBookings from the physician offices.

### Leadership Level Reporting

- Ensures that long waits are tracked and causes identified.
- Supports regular summarized reporting on wait times and causes of waits for all levels of leadership.
- Enables leadership to monitor the achievement of target volumes and other wait times obligations.

### Real Time Data on Patients Waiting for Care

- Compare individual surgeon’s lists, complete services, individual hospitals and a health region / LHIN lists by volume, length of wait, case type, etc.
- Better allocate service OR time to meet patient needs.
- Drive surgical staffing and program development.
- Review and consider wait times by site, by service, by hospital, etc. when allocating resources.
- Obtain immediate information on both prior output and volume of cases waiting to support negotiation of target volumes for particular case types.
- Understand wait times and access to care at the program / service level, by individual hospital, across a LHIN or health region or province.



# Provincial Wait List Registries

## A Complementary Approach

The web-based Novari ATC system is the perfect complement to provincial wait list registries. Acting as a “front-end” to a provincial wait times system, Novari ATC feeds the most accurate real time information possible to the provincial system possible. It accomplishes this while eliminating the burden of wait times reporting on both physician offices and hospitals. “Wait 1” and “Wait 2” wait time information is captured without the need or burden of completing and submitting paper forms or having physician offices access a provincial website. Instead, Novari ATC is able to submit all provincially required data from the physician offices and hospitals by providing all users with a web-based tool to manage and electronically book their cases while reporting wait times in the background.

**“As a Director of Surgery, Novari ATC is an invaluable tool that provides me with the information I need to best allocate OR resources. I can see exactly what’s happening with our wait lists in real time and make the best management decisions”**

– Tracy Kent-Hillis, Chief Nursing Officer, Lennox & Addington County General Hospital; Past Program Director – Surgical, Perioperative and Anesthesiology, Kingston Health Sciences Centre

Every province with a wait times registry wants to capture accurate wait times (wait 1, wait 2 or both) information to better understand and measure wait times. Novari ATC accomplishes this without placing any additional burden on the physicians and their office staff. Physician offices use Novari ATC to manage their wait list and to submit eBookings to the hospitals. As a result, they are self-motivated to maintain the accuracy of the information which is then reported in real time to the provincial registry by way of an HL7 interface.

Novari ATC integrates with hospital scheduling systems regardless of brand and automatically captures case completion for submission to the provincial system.

This approach has proven to be a “win” for the physicians, hospitals and most importantly for the provincial wait times information systems.

The goal of the provincial wait times / access to care teams is the collection of accurate wait time data. How this data is collected directly impacts the accuracy and timeliness of the information.

Having been designed by both clinicians and hospital leadership, the Novari ATC system is a proven and perfect “front-end” to provincial wait times registries.



# Novari Health and Microsoft work Together to Improve Patient Access to Care.

## What is Microsoft Azure?

Microsoft Azure is an ever-expanding set of cloud-based services created for mission-critical software applications which can be managed through a global network of Microsoft-managed data centres. Trusted by 90% of Fortune 500 companies, Azure offers a highly scalable and secure cloud infrastructure for mission-critical software applications. Recognizing the importance of a powerful and secure cloud infrastructure Novari Health has partnered with Microsoft to deploy the Novari Access to Care Platform on Microsoft Azure.



## Reliable

The delivery of healthcare is complex and important. Novari's software is mission critical to our clients and patient outcomes. The Novari Access to Care Platform™ is designed for high availability and extraordinary scalability. To add to the dependability of the platform, modules can be configured to auto-scale resources based on usage, creating reliable throughput to end users. For these reasons, Novari trusts Microsoft's Azure cloud infrastructure.

## Scalable

The Novari Access to Care Platform™ can be deployed throughout individual hospital sites, health regions, provinces, states or countries. Such scalability is reliant on the design of the software and Microsoft Azure.

## Secure

Novari Health and Microsoft understand that in healthcare, security is essential. From an infrastructure standpoint, the Microsoft Azure platform leverages the most secure physical data centres and hosting technologies available. Microsoft has decades of experience building enterprise software and running some of the largest online services in the world. For this reason, Novari trusts Microsoft Azure's secure and compliant capabilities.



**Together**  
We Can Improve  
Access to Care.



**Call 613-531-3008 today for more information and a free on-site live demonstration.**

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