

A photograph of three healthcare professionals in a clinical setting, overlaid with a purple gradient. A man in a white lab coat and dark apron stands on the left, pointing at a laptop. A woman with glasses and a white lab coat sits in the center, looking at the screen. A man in a white lab coat stands on the right, also looking at the screen. The laptop is on a desk in front of them.

# The MDClone ADAMS Center

Empower and Transform the  
Data-Driven Health System

**MDCLONE**

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A Hub of Data-Driven Performance Improvement

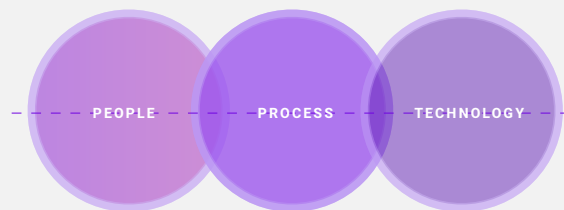
The hospital of the future requires data-driven decision making—an unfulfilled promise of the digital age. The decades-long effort to collect information about operations and clinical practice (on a system and patient level) has left hospitals around the world with underutilized information that potentially holds the key to better performance, improved outcomes, and lower costs. If data and people could be truly unlocked, the insights would be a win-win for the health system and patients.

## Vision

The ADAMS Center reimagines the way data and people used to transform the health system, empowering clinical teams to lead meaningful change to care delivery. It promotes a high-impact, streamlined process for creating strategic, data-driven change. The ADAMS Center optimizes people, process, and technology centered around an organization's goals to solve small and large challenges at an accelerated pace.

With the theme of “increasing volume and value,” the ADAMS Center empowers staff to efficiently engage their data and build interventions that impact day-to-day activities throughout the hospital. The process enables a trajectory of discovery and knowledge work for building a continuously learning health system.

- + Empower clinical teams to be champions of change
- + Transform health systems into a continuous learning environments
- + Efficiently resource and staff scalable, distributed knowledge work
- + Leverage data to establish collaboration with external partners



## About ADAMS Center

The ADAMS Center is built on three pillars:

- + Central hub overseeing all activity, and self-sufficient satellites within departments across the health system
- + Dedicated staff to engage health system teams and support project work
- + Dynamic access to comprehensive health system data, available through technology designed for use by clinical staff

The ADAMS Center serves as the hub of data-driven activity within the health system, and operates in sync with “satellites” within departments of the health system.

ADAMS Center staff is charged with supporting all aspects of project activity, from training to data expertise to implementation execution, as well as working with health system leadership to align with goals and governance of the health system.

Satellites are the conduit to clinical staff, identifying opportunities for improvement and promoting ideation among all teams, and over time become self-sufficient to support project activity.

The technology, which includes ACE (ADAMS Center Enterprise), the cockpit for all ADAMS Center activity, and the ADAMS Platform, an end-to-end solution for dynamic exploration, discovery and intervention on top of health system patient data, enables clinical staff to be champions of change and promotes the ADAMS Center objectives.

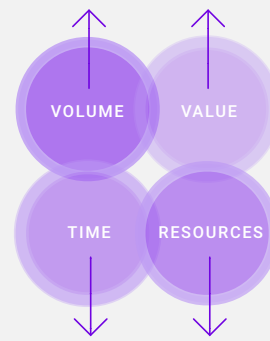
## IMPLEMENTATION

As partners in developing the ADAMS Center, MDClone provides implementation materials, training, and support to ensure its success:

**The ADAMS Center Playbook:** Serves as a blueprint to efficiently build and establish an ADAMS Center within an organization, tailoring to the unique dynamics of each system yet aligning to the successful approaches of others.

**MDClone Academy:** Provides a full suite of learning programs to engage and grow the capabilities of staff, including leadership and clinical staff.

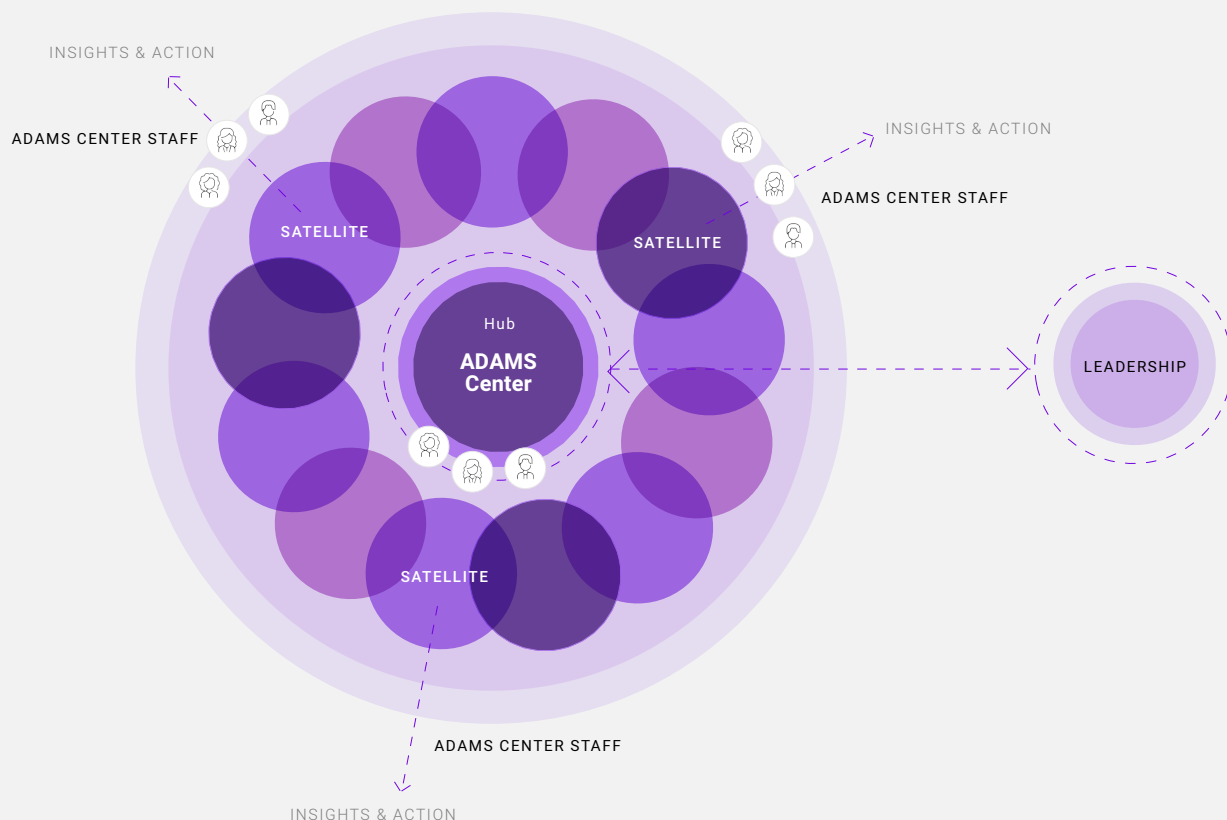
**ACE Dashboard and ADAMS Platform:** MDClone's core technology solution is implemented in coordination with health system data and IT teams. The MDClone team leverages unique technology to identify, curate, and organize patient data from any source (including structured and unstructured data) to support dynamic data exploration by clinical staff. Additionally, embedded synthetic data technology protects patient privacy when engaging with external collaborators who aren't allowed to see identifiable patient data.



### Volume and Value

The ADAMS Centers' success is based off the number of projects—the volume—that move from an idea to a measurable impact—the value.

Projects span all clinical areas of the hospital and impact changes to clinical practice, workflow, and patient experience. Projects can also come from external partners with opportunities for the health system to generate revenue. The more projects driving positive change, the more beneficial to the health system as a whole.



## The First ADAMS Center at Sheba Medical Center

Sheba Medical Center, Israel's largest hospital and a recognized leading health system globally, was the first health system to build an ADAMS Center, formally launching in December 2022.

In mere months, Sheba opened the ADAMS Center space, built a leadership team, identified champions across several departments, trained staff on the MDCOne ADAMS Platform and began projects that were priorities for executive leadership and individual clinicians. Since the first project began in the late summer of 2022, over 45 projects are active at all phases—from ideas all the way through sharing a validated new action with another health system.

“What our new ADAMS Center has demonstrated is the way technology can profoundly change an organization's culture. This is the path for any health system to achieve excellence.”

PROFESSOR YITSHAK KREISS, DIRECTOR GENERAL OF SHEBA MEDICAL CENTER

“We have one of the most comprehensive data assets in the world yet too few of our decisions are data-driven. With ADAMS Center we set out to change that by leveraging our data and our best asset—our people—and what we are seeing tells me and our entire team that we're on a unique path globally, finding ways to improve in every corner of the hospital.”

PROFESSOR EYAL ZIMLICHMAN, CHIEF TRANSFORMATION AND CHIEF INNOVATION OFFICER OF SHEBA MEDICAL CENTER

## ADAMS Center Projects

### Duration of antibiotic management in uncomplicated bacteremia

**OBJECTIVE:** Reduce redundant use of antibiotics out of the guidelines and improve patient care

The project contributes to reducing unnecessary treatment with antibiotics, thus reducing side effects, development of resistance, secondary infections and cost.” —Prof. Dafna Yahav, MD, Director of the Infectious Disease Prevention Clinic, Sheba Medical Center

### In-Hospital Observation of Anticoagulated Patients Following Minor Head Trauma

**OBJECTIVE:** Reduce redundant hospitalization days, Avoid unnecessary hospitalizations and Reduce the waiting burden at the ER

With the help of the ADAMS Center and the use of NLP's advanced capabilities, we were able to conduct a clinical study in a few months instead of over years, and changed a procedure that has been in place at ER for decades, which translates into shorter times at ER, reduced workload and efficient and fast treatment of patients.”

—Dr. Gal Ben Haim, MD, Internal and emergency medicine attending physician. Sheba Medical Center

### Sugammadex use for reverse neuro-muscular block

**OBJECTIVE:** Reduce the use of non-indicated, unnecessary Sugammadex

Prof. Dina Orkin, MD, Director of the Operations room, Sheba Medical Center

Prof. Haim Birkenshtat, MD, Director of the Anesthesiology, Sheba Medical Center

Prof. Ronen Loebstein, MD, Head, Division of Drug Management and Clinical Pharmacology  
ADAMS Center Lead, Sheba Medical Center

In a short period of time, the ADAMS Center has already highlighted numerous opportunities for improvement, enabled meaningful action in several of them, and inspired colleagues to be more curious about activity throughout the hospital.” —Dr. Ronen Loebstein

