

JP Morgan Healthcare Conference 2021

35 DASSAULT SYSTEMES

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COO/CFO Medidata, a Dassault Systemes Company

OUR MISSION

We enable our customers to do amazing things, and change patient's lives in incredible ways. Help them -

SOLVE THE IMPOSSIBLE



COVID-19

500+ clinical trials

100s to thousands patients in trials

50-60% reduction in study startup time

350+ researchers accessing RWE environment

75B records from 250M patients on RWE environment





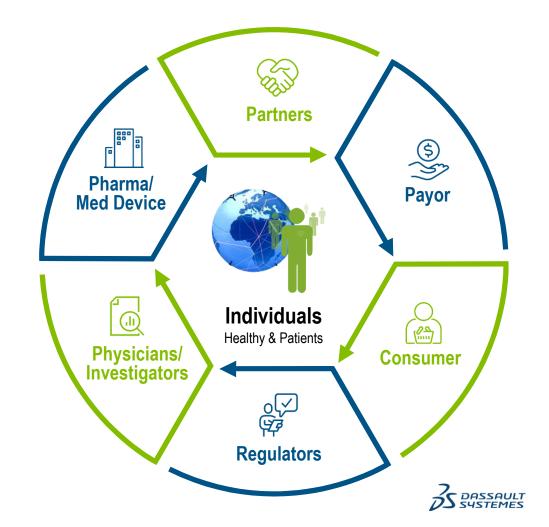
The basis for competition is changing







Patient continues to move to the center of the ecosystem





Our scale and reach is unmatched in the industry

Market share in Life Sciences*

Active customers

All top 20

BioPharma & MedTech

All top 10 CROs

are customers

Professionals

of drugs & medical devices designed with our solutions

new clinical trials supported by our solutions

Clinical trials

Active clinical trials

6M+

patients

physicians

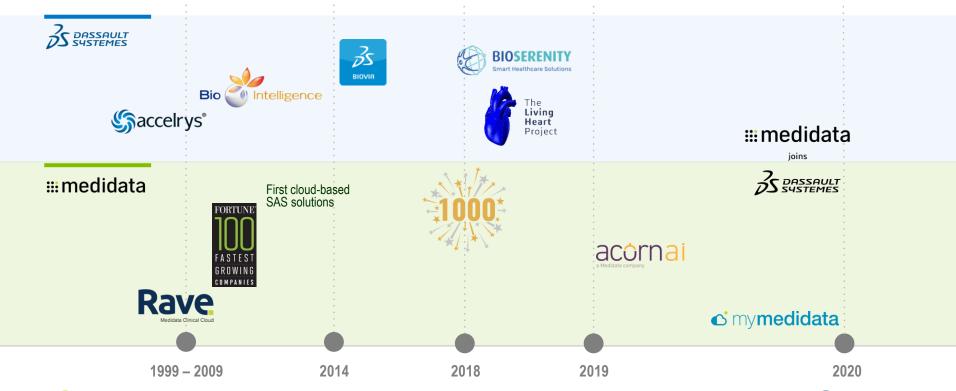
Hospital facilities

Direct hospital connections

Images processed annually



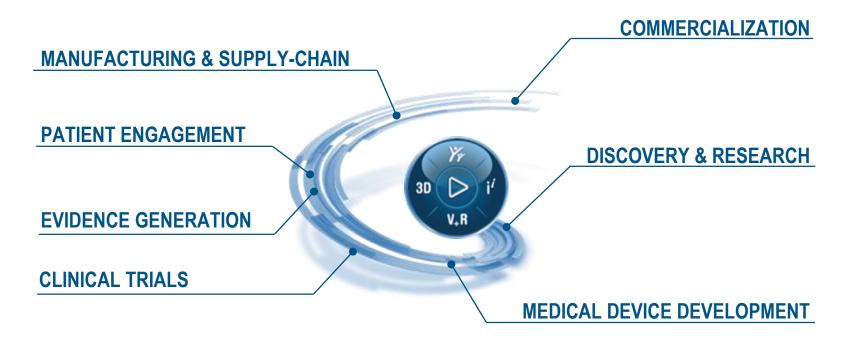
A two-decade journey of excellence across the value chain







Building the industry's first end-to-end platform for the age of precision medicine



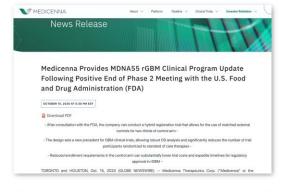


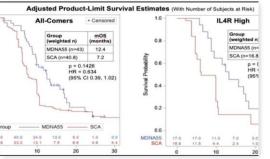


EVIDENCE GENERATION

FDA Agrees to Synthetic Control Arm® Design in Recurrent Glioblastoma (rGBM)

- For the first time, the FDA approved the use of hybrid Synthetic Control Arm (SCA) in a Phase III study design in rGBM
- Medicenna used a Medidata SCA to demonstrate efficacy in a singlearm Phase 2 trial, with the goal of using the results to design a Phase 3 SCA-based registrational trial
- The SCA demonstrated large efficacy effect size in all-comers subjects, as well as in subjects expressing high levels of IL4R.







"We are extremely impressed with the Acorn AI team for providing a scientifically rigorous rationale for the design of an innovative registration trial incorporating an external control arm for the treatment of recurrent glioblastoma (rGBM) with MDNA55.

The FDA's acceptance of this unique design, will expedite completion of the Phase 3 trial in rGBM allowing earlier access of MDNA55 for a disease with poor prognosis and high unmet need," said Dr. Fahar Merchant, President and CEO of Medicenna. (October 15, 2020)

The full press release can be viewed here.

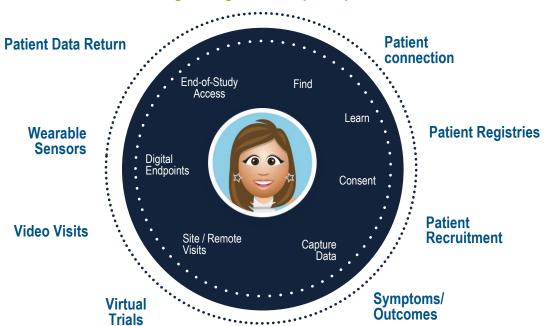




PATIENT ENGAGEMENT

Patients moving to the center in COVID-19 vaccine trial

Building lifelong relationship with patients





Medidata Supports
Moderna's COVID-19
Vaccine Clinical Trials with
Rave Clinical Cloud
Platform

Innovative Patient-Centric Study Design Benefits Study Participants

New York, NY - July 23, 2020 - Medidata, a Dassault Systèmes company

One of the fastest recruiting trials in history of Medidata with 30,000+ patients

Virtualization @ scale provisioned 13,000+ devices and BYOD and used data captured directly from patients





CLINICAL TRIALS

Integrating Analytics Across The Trial Lifecycle and Portfolio to Accelerate Time to Market





Increasing pressure for CROs to plan, forecast, and agilely monitor Clinical Trials especially during COVID-19

Integrated data from both parties to build one of the industries largest clinical trial data sets

Acom Al Labs developed new models for trial operations

Study forecasts improved 40% (MAE) over baseline can drive a 5-10% improvement in enrollment timelines

Central Cockpit provides Live view of ongoing trials and dynamic reforecasting to react to disruption

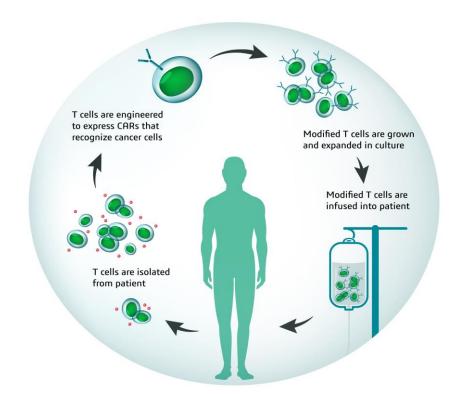




MANUFACTURING & SUPPLY CHAIN

Rapid Scale-up, Tech Transfer and Manufacturing CAR-T

- Highly personalized therapy involving complex, multi-step process
- Limited room for delays or error





Speed to Patient

 15-20% reduction in batch processing time



Total Quality

- 30-50% improved accuracy
- 70-95% reduction in data exchange





Operational & Financial Ambition



Financial metrics

13-15%

y/y revenue growth Life Sciences segment Dassault Systemes

200bps

y/y margin improvement contribution from Medidata business

Growing Operating Cash Flow in line with operating margin expansion

Growth levers



Winning market share in core market: Rave and Attach



Patient Cloud to build lifetime relationships with patient



Acorn AI to unlock unique insights and actions using data and analytics



End to end platform for Life Sciences creating new business opportunities

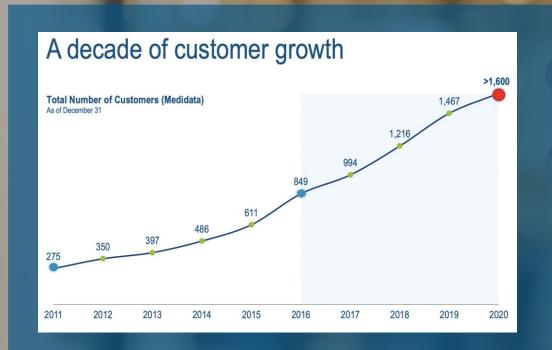


Optimize company-wide resource allocation and synergies





Every Hour Across 6,000+ Active Trials







We are committed to protect patient and customer privacy and security at industry leading standards

Privacy















Security



























Regulatory























One year in: Medidata as a Dassault Systemes' company



Functional alignment

G&A functions began working together immediately, with dual reporting structures where appropriate

Systems integration

Internal communications and collaboration moved onto the 3DEXPERIENCE platform; HR and Finance systems combined

Industry alignment

Charting a strategic direction for Life Sciences, initially aligning Medidata and Biovia, opportunistic platform solutions

Scaling for the future

Defining Dassault Systemes long-term vision within healthcare









