Poiesy

Revolutonizing HSCT treatment decisions

Prediction model-powered clinical decision support for hematopoietic stem cell transplantation -   optimizing outcomes for patients, clinicians and healthcare system

HSCT decisions are dangerously complex

Hundreds of parameters per patient

Each patients requires tracking of hundreds of clinical variables accross multiple systems with no unified platform

Lots of procedures to schedule

Prediction model-powered clinical decision support for hematopoietic stem cell transplantation - optimizing outcomes for patients, clinicians and healthcare system

Documentations' burden

Prediction model-powered clinical decision support for hematopoietic stem cell transplantation - optimizing outcomes for patients, clinicians and healthcare system
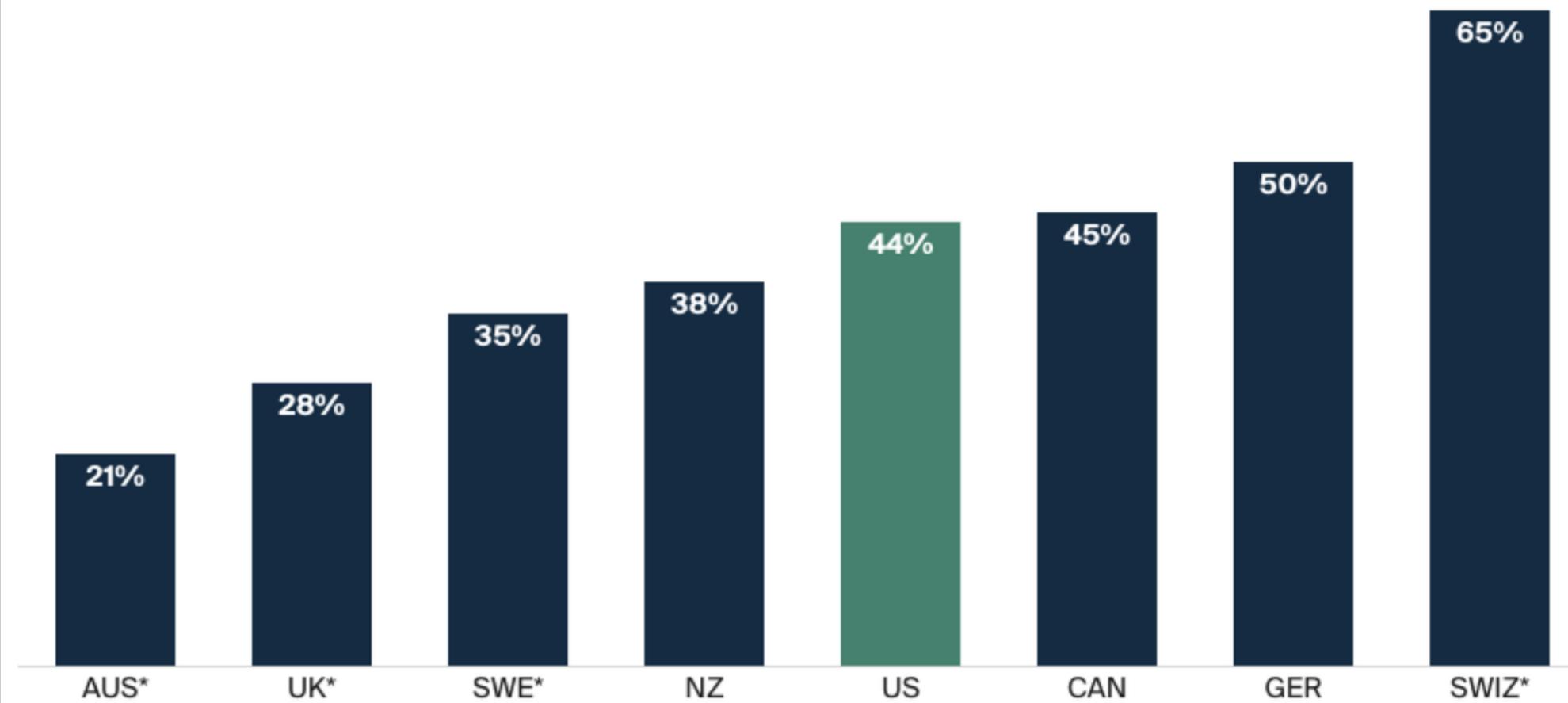
Failure rate increased due unclear data

Prediction model-powered clinical decision support for hematopoietic stem cell transplantation - optimizing outcomes for patients, clinicians and healthcare system

Poiesy

For more than two of five burned out primary care physicians in the U.S., Canada, Germany, and Switzerland, burnout is primarily because of administrative burden.

Percentage of burned out primary care physicians who reported the primary reason for their burnout is because administrative tasks^ take up more time than they would like

AUS*	UK*	SWE*	NZ	US	CAN	GER	SWIZ*
21%	28%	35%	38%	44%	45%	50%	65%

Source: Gunja et al., Improving Health Care Quality, November 2025, The Causes and Impacts of Burnout Among Primary Care Physicians in 10 Countries

Poiesy

Poiesy: data-backed support for every decision on HSCT

Automated documentations

Prediction model-powered clinical decision support for hematopoietic stem cell transplantation - optimizing outcomes for patients, clinicians and healthcare system

Optimized scheduling

Prediction model-powered clinical decision support for hematopoietic stem cell transplantation - optimizing outcomes for patients, clinicians and healthcare system

Predicting outcomes

Prediction model-powered clinical decision support for hematopoietic stem cell transplantation - optimizing outcomes for patients, clinicians and healthcare system
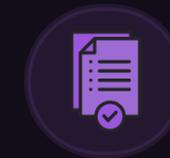
Poiesy

Six integrated modules

FOR CLIENT INSTITUTIONS

HCT success estimator

Smart patient ranking

Automatic CRO form filling

HCT Expert interface

FOR PARTNER INSTITUTIONS

Automatic EMBT form filling

Well-searchable database

Poiesy
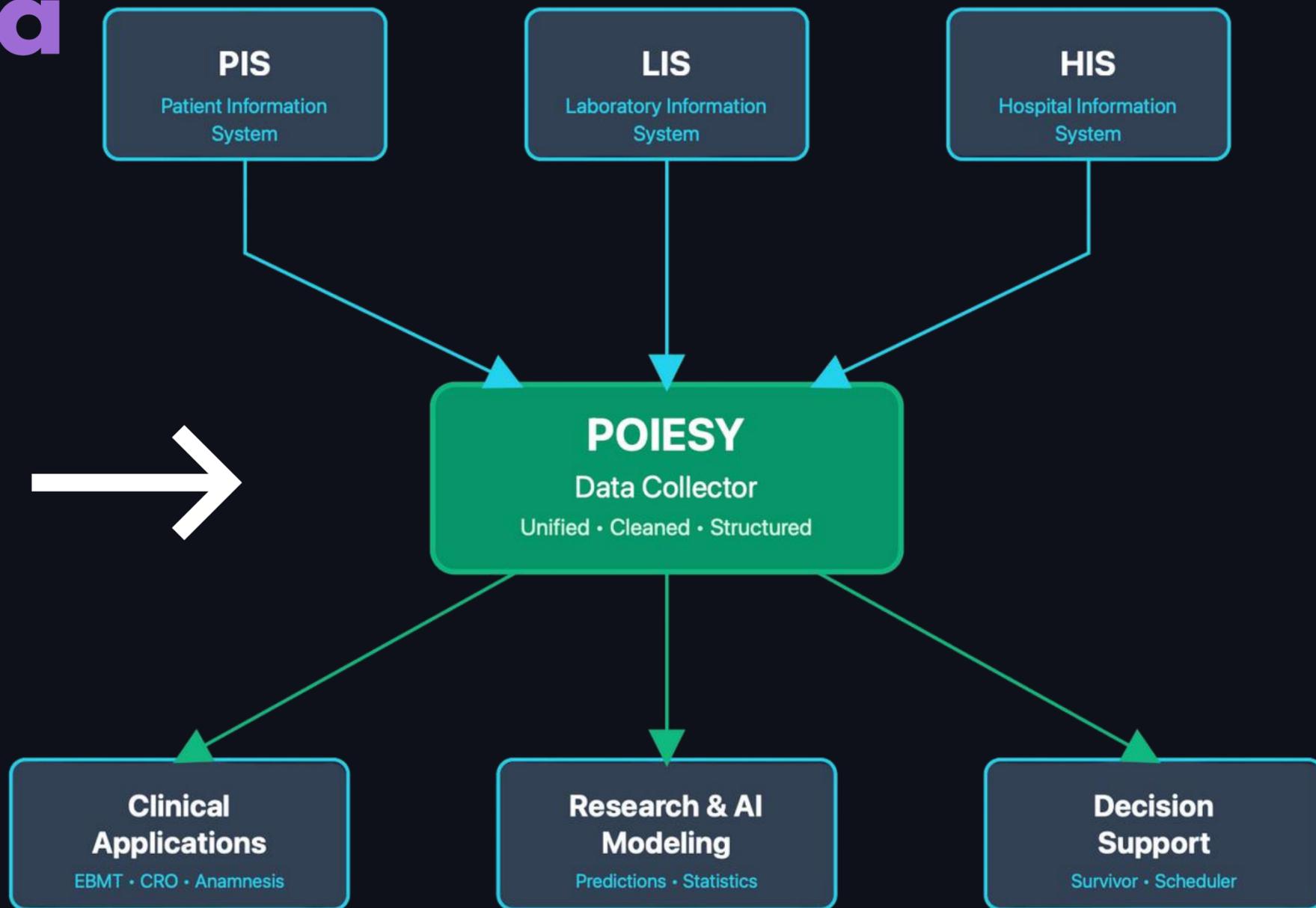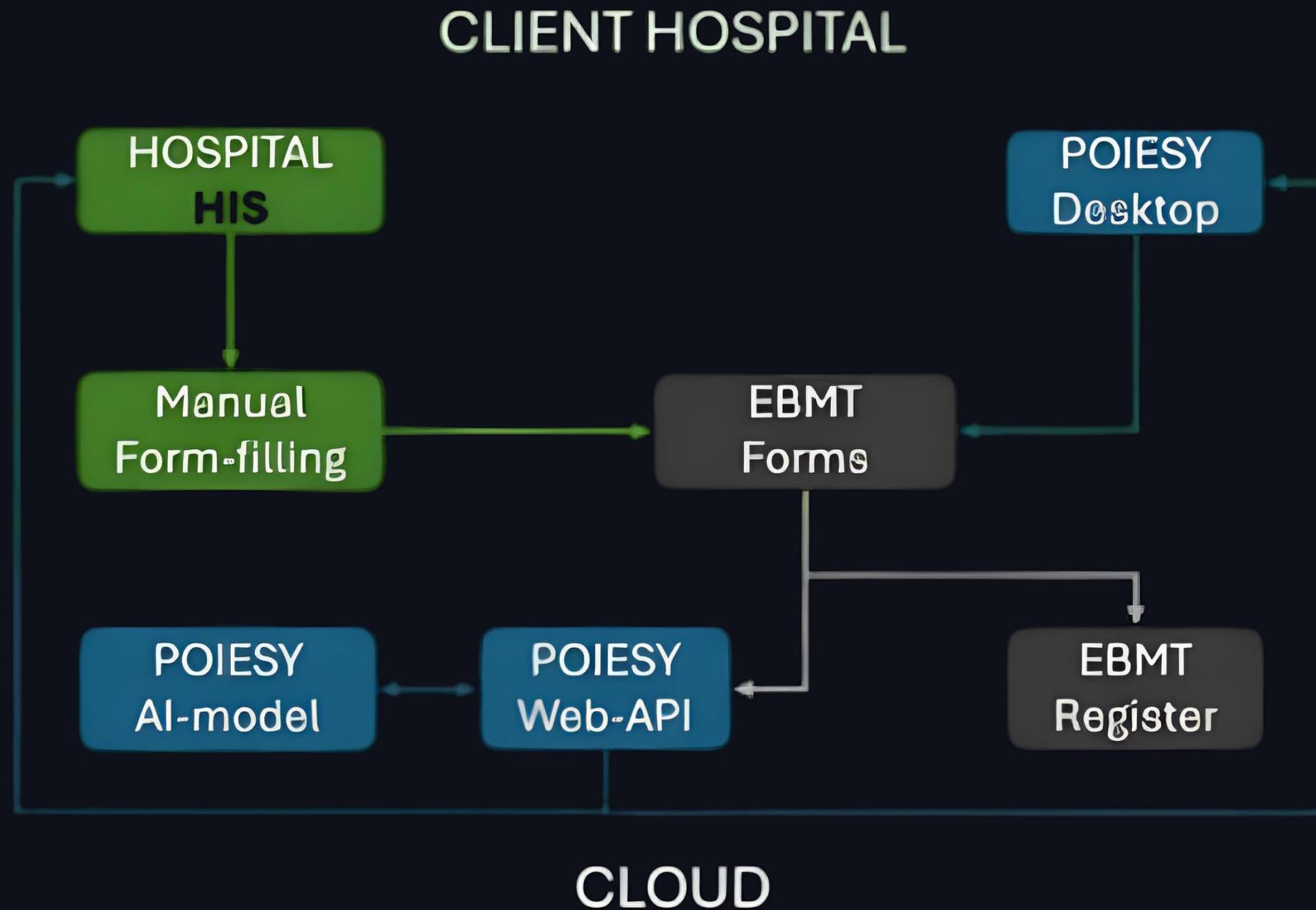
The win-win platform: „service for data"

Mobile app
Patient info at the bedside	Recording of nurse activity	Real-time tracking and management
Coherent database	Graphical overviews	

Data integration
Complete database	Avoiding double administration	Obtaining and fresh data
Defining complex filter conditions		

Research/publication
Reproducing previous research	Comparison with foreign results	Examining theories
Searching for complex relations	Incorporating R-statistics	

Clinical trials
Estimating case numbers	Automating inclusions	Preparing documentation
Logistics with alerts	CRO reports	Easy patient agreements

EBMT management
Automatic form completion	Logistics, warnings	More complete content
Reproducible, objective data	Input for POIESY Triage models	

HSCT Triage
Disease dynamics	Arbitrary resource availability	Optimization of variable times
Avoidance of critical situations	Integration with HIS / schedule	

MANAGERS
Better recovery rates
Better Institution PR
Fewer wasted resources

DOCTORS
Less time to review a case
Highlighting important and new info
Integration into international academic life

NURSES
Always know what to do exactly
Understand the tasks for the next period
Less administration

RESEARCHERS
Don't start every research with data cleansing
Possibility of complex filters and calculations
Publication in high impact factor journals
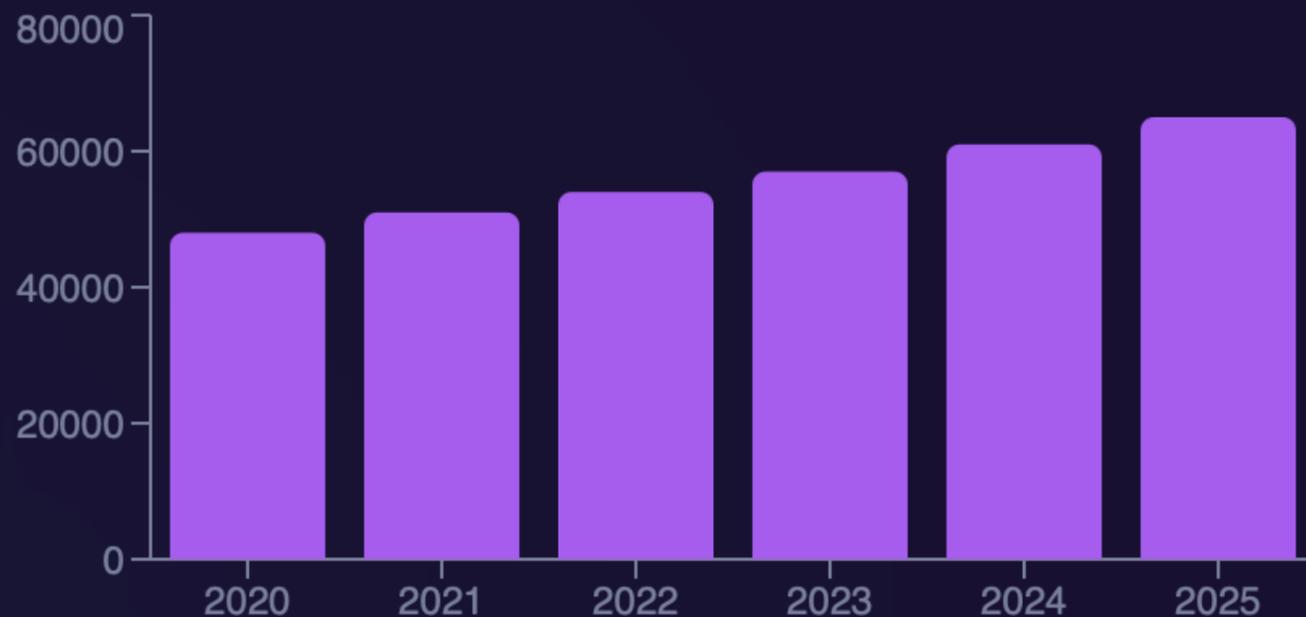
ADMINISTRATORS
The forms are filled by the software
Don't have to gather data from many sources
Don't bother doctors with subjective data

POIESY
Perfectly completed EBMT forms
Income from research and drug testing
Testing the triage system on live data

Poiesy

A growing, but underserved market

European HCT Procedures (Annual)

500 + EU transplant centers

8% annual procedure growth rate (2020-2025)

2,5 B EUR worth of total market

3,2% annual total cancer growth rate (2020-2025)

Poiesy

Built by people who are rooted in the field

Melinda Szegedi

Biomed MSc, Inventor
Forbes 30U30 member
5+ years in medtech

Zsolt Szegedi MD

Medical doctor and
informatician
30+ years expertise

Józefina Skrzypalik

Biomed MSC, Oncology
Honours research member

László Máté

Mathematician, developer
30+ years experties in neural
networks

Poiesy

Developing together with customers

South Pest Central Hospital

Budapest, Hungary

Active clinical partnership with the Molecular Genetics, Pediatric Oncology and HSCT Transplantation Departments

Semmelweis University

Budapest, Hungary

Active clinical partnership with the Hematology and Clinical Pathology Departments

Mentoring partner: Prinses Máxima Center of Pediatric Oncology

Utrecht, Netherlands

Receive 2 month od mentor program from Friso Calkoen MD
and Uri Ilan MD

Working demos

Shedule optimizer, EBMT form filling

Direct clinical validation

Poiesy

Mutiple experts from all domains

Department of Pediatric Hematology and Stem Cell Transplantation
South Pest Central Hospital, Budapest, Hungary

Laboratory of Medical Genetics
South Pest Central Hospital, Budapest, Hungary

Department of Hematology and Stem Cell Transplantation
South Pest Central Hospital, Budapest, Hungary

Gergely Kriván MD PhD
head of department

Krisztián Kállay MD PhD
deputy chief physician

Hajnalka Andrikovics MD PhD
head of department

Nóra Meggyesi MD
molecular biology diagnostic

Péter Reményi MD PhD
head of department

Viktor Lakatos MD
hematologist

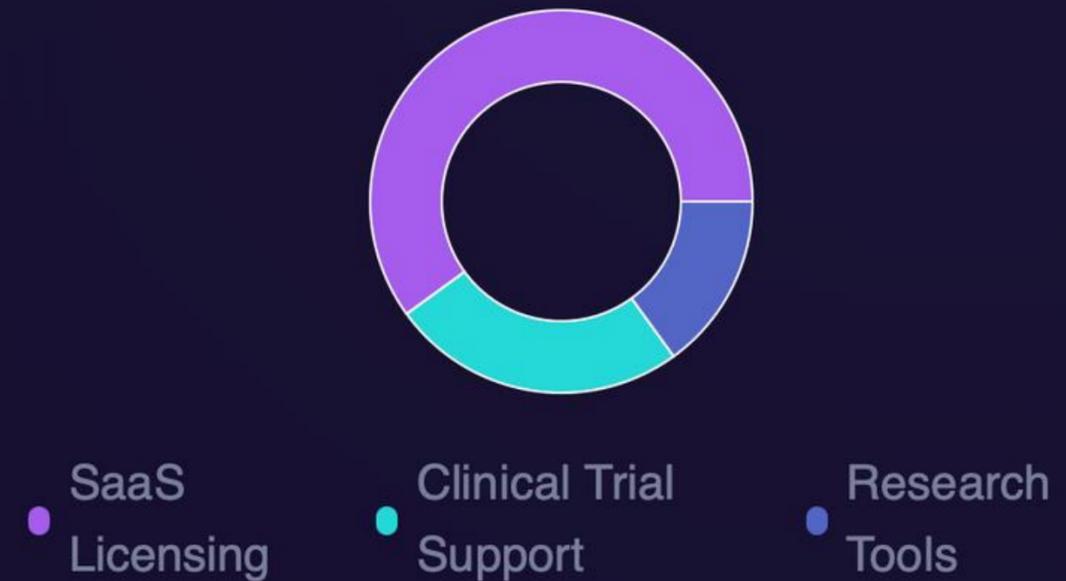Department of Transfusiology
Semmelweis University, Budapest, Hungary

Attila Tordai MD PhD DSc
head of department

Poiesy

Multiple revenue streams

SaaS Licensing (Primary)

Per-center annual subscription for the POIESY platform suite, tiered by module usage and bed count

Revenue Mix Target

- SaaS Licensing
- Clinical Trial Support
- Research Tools

Poiesy

Join us to transform HSCT transplant care

€500K
Pre-Seed Round

50%
Product Development

Complete clinical modules, achieve CE marking

25%
Regulatory & Compliance

EU MDR certification, clinical validation studies

25%
Clinical Partnerships

Expand to 5+ transplant centers across Europe

Poiesy

Thank you for your attention! Contact us to **see demos** of our product modules

poiesy.com

Melinda Szegedi

Biomed MSc, Inventor
Forbes 30U30 member
5+ years in medtech

m.szegedi@tudelft.nl

+36706041666

linkedin.com/in/melinda-szegedi

Poiesy