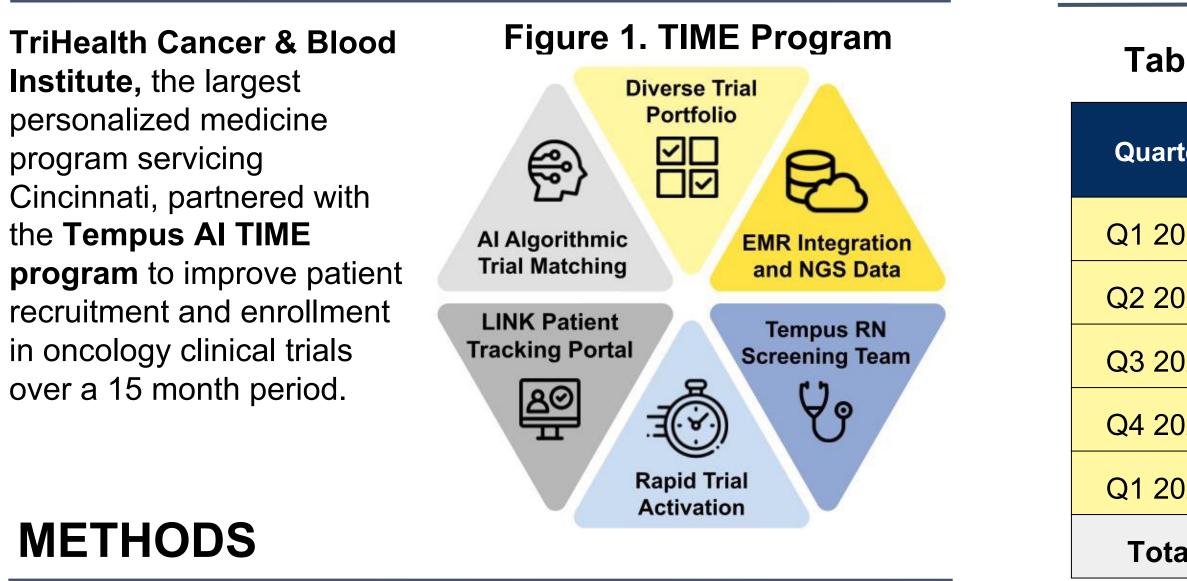
TriHealth Cancer Institute's Collaboration with the Tempus AI TIME Program Impact on Clinical Trial Operations and Enrollment

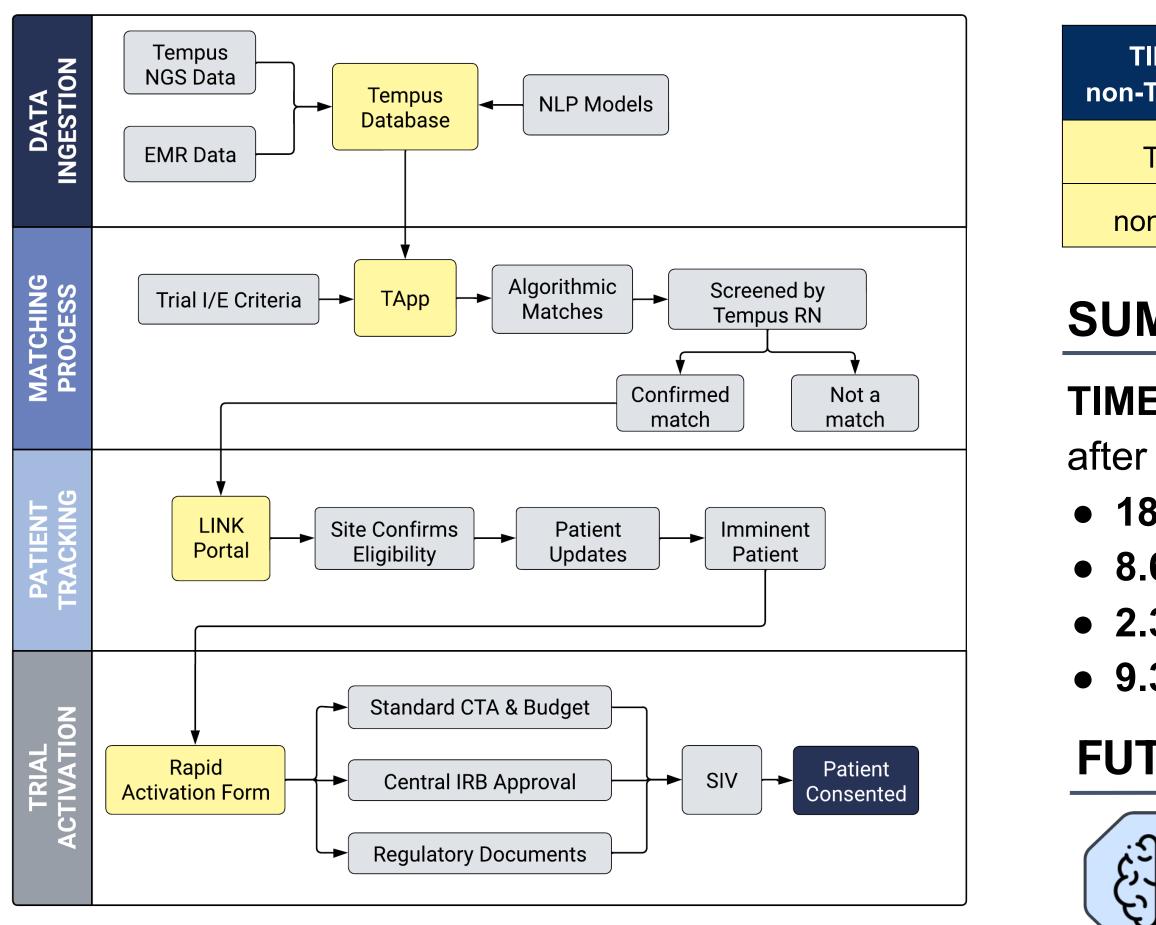
James Maher¹, Samantha Mallahan², Jason J. Claes¹, Wayne Thompson¹, Benjamin Kuritzky¹, Robert Neff¹, Seerin Shatavi¹, Courtney Rice¹, Karen Huelsman¹, Leanne Budde¹, Faisal Adhami¹, Megan Shulman², Meg Degele², Blathnaid Donovan², Danielle Skelly², Emily Patnaude², Christian Clifford², Annie Darmofal², Chelsea Osterman², Matthew Cooney² ¹TriHealth Cancer and Blood Institute, Cincinnati, OH, ²Tempus AI, Inc., Chicago, IL

INTRODUCTION

RESULTS







ACKNOWLEDGMENTS

We thank Amrita A. Iyer, Ph.D from the Scientific Communications team at Tempus for poster development and review.

rter	TApp Searches	Reviewed by Tempus RN	Passed Tempus RN Review	Consents	Trial Activations	
022	427,381	74	27	0	0	
022	521,772	144	75	2	4	
022	1,416,863	200	78	10	1	
022	2,637,428	249	57	10	1	
023	3,649,953	1277	47	6	1	
al	8,653,397	1944	284	28	7	

Table 1. TIME Matching, Screening, & Enrollment Outcomes

88	18,8
	1

~--



% of Trial Portfolio	Phase	% of Trial Portfolio	Most Common Biomarkers
26.1%	Phase I	22.3%	EGFR
18.5%	Phase I & II	18.1%	NTRK KRAS HER2 BRAF
11.8%	Phase II	26.6%	
8.4%	Phase III	28.7%	ROS1 PIK3CA
5.0%	Other (Phase IV, II & III)	4.3%	ER
	Portfolio 26.1% 18.5% 11.8% 8.4%	PortfolioPhase26.1%Phase I18.5%Phase I & II11.8%Phase II8.4%Phase III	PortfolioPhasePortfolio26.1%Phase I22.3%18.5%Phase I & II18.1%11.8%Phase II26.6%8.4%Phase III28.7%

Total8,653,3971944284287Table 2. TIME vs non-TIME Trial Activations					Cancer Type	% of Trial Portfolio	Phase	% of Trial Portfolio	Most Common Biomarkers
TIME or	Number of	Average Business	Median Business	Enrollments	Non-Small Cell Lung	26.1%	Phase I	22.3%	EGFR
non-TIME Tria	al Activations	Days to Activate	Days to Activate		Solid Tumor	18.5%	Phase I & II	18.1%	NTRK KRAS
TIME	7	37	28	28	Heme	11.8%	Phase II	26.6%	HER2 BRAF
non-TIME	3	186	183	3	Breast	8.4%	Phase III	28.7%	ROS1 PIK3CA
					Colorectal	5.0%	Other (Phase IV, II & III)	4.3%	ER

SUMMARY & CONCLUSIONS

TIME Program enhanced patient identification and enrollment in oncology clinical trials for TriHealth Cancer & Blood Institute after their research process improvement was completed.

• 18,800+ patients screened for 135 trials using AI enabled algorithmic patient matching software (TApp) over 15 months • 8.6M unique TApp searches resulted in 1,900+ patients screened by Tempus RNs, 284 matches, and 28 consents • 2.3X increase in trial activations and 80% reduction in days to activate • **9.3 fold** increase in enrollment in TIME trials compared to non-TIME trials

FUTURE STEPS



Incorporate machine learning into TApp to improve match rates through generative AI



Grow and expand trial portfolio to increase trial options for patients





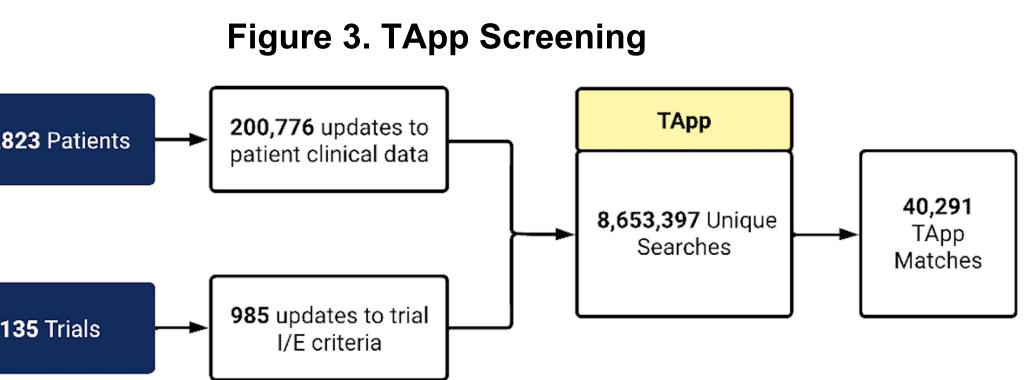
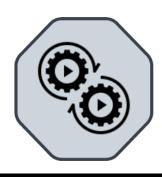


Table 3. Trial Portfolio Insights by Cancer Type, Phase, & Biomarkers

Utilize additional NLP models to boost patient identification while decreasing manual data abstraction



Futher streamline activation processes to decrease activation time