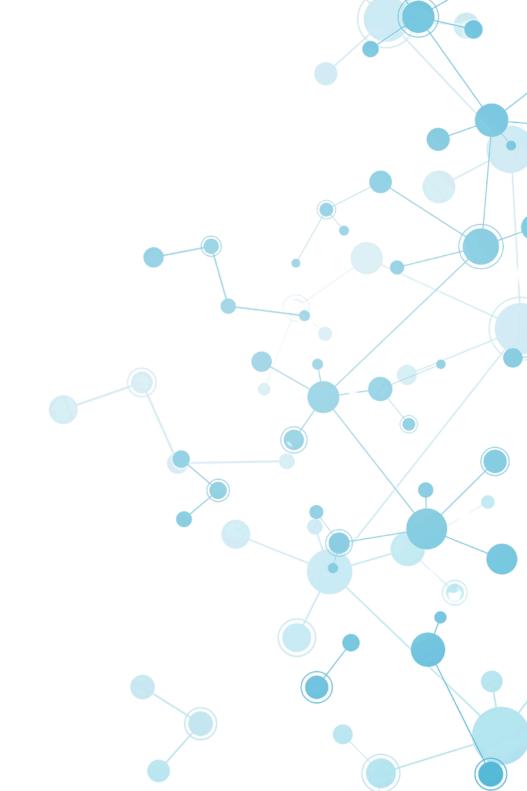
CROSSTREE

BlueBook:

Pharma Services: Pharmaceutical Commerce

January 2025



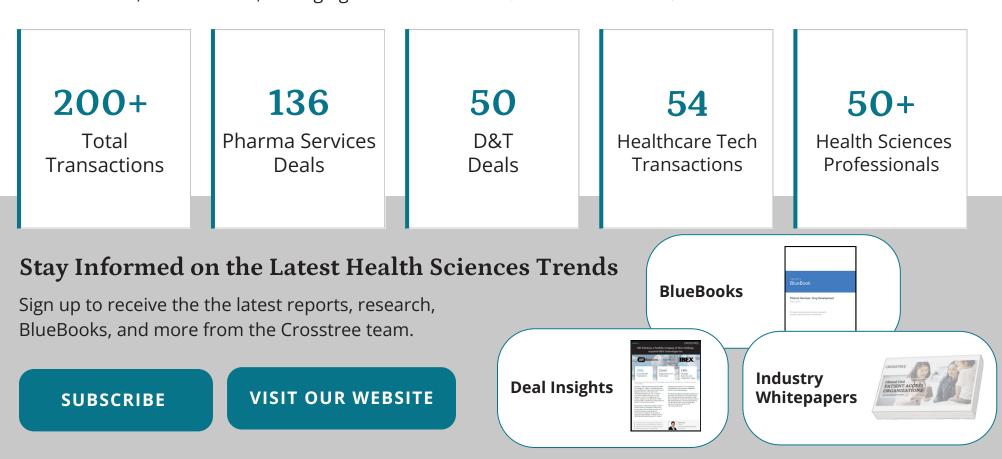
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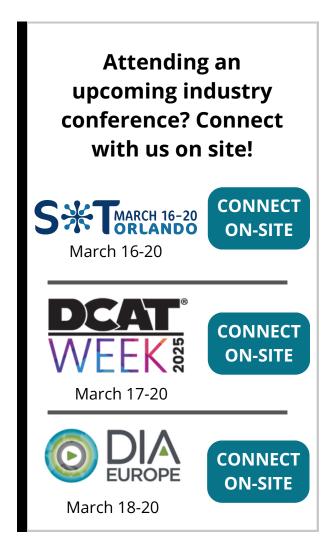
Crosstree Firm Overview

Crosstree is a global leader in Health Sciences M&A with a focus on middle-market companies within the pharmaceutical services, diagnostics and tools, and healthcare technology industries. Since 2004, Crosstree has advised on more completed Pharma Services transactions than any other investment bank and has completed over 200 deals in the Health Sciences space. The firm offers a comprehensive range of advisory and capital raising services, as well as deep industry expertise, unmatched global strategic relationships, and superior outcomes. From its headquarters in Tampa, Florida, Crosstree serves clients across North America, Europe, India, China, Latin America, and Australia, managing transactions from \$25 million to over \$1 billion.



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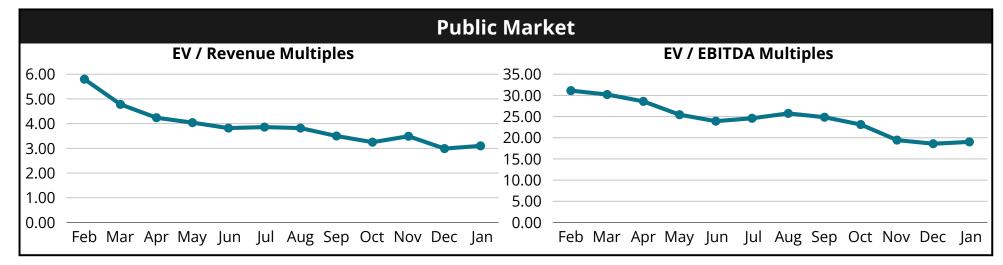


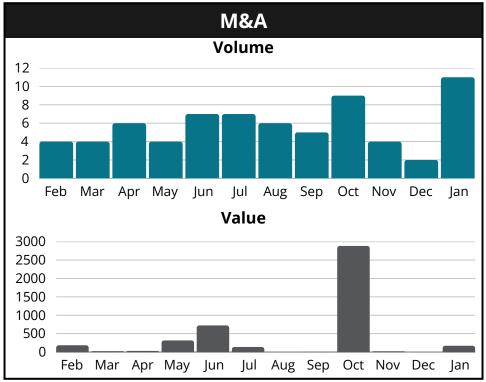
Want to learn more about how we partner with Founders, Owners, and private equity professionals? Send us a note and we will find a convenient time to connect:

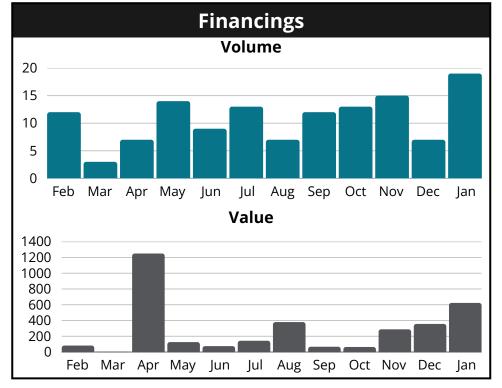
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Industry Overview

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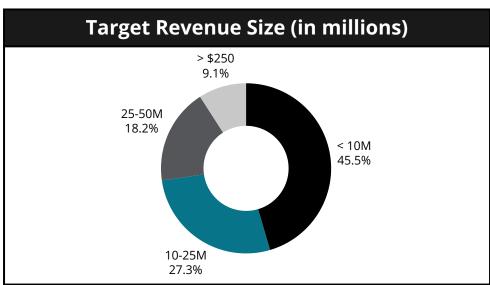


Pharmaceutical Commerce

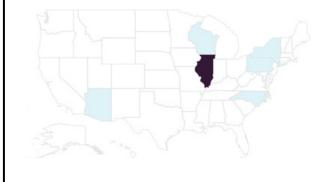
January 2025

M&A Summary

Target Leaf Node Capabilities										
Target Capabilities	Deal Count	% Total	Related Revenue (in millions)							
PV & Safety	6	28.5	37.7							
Pharma Al	4	19.1	27.5							
HEOR	2	9.6	0.4							
Reg & Med Affairs (PC)	2	9.6	4.4							
Patient Reported Data	2	9.5	1.6							
Regulatory Services	2	9.5	4.4							
Drug Case Mgmt Services	1	4.8	106.6							
Medical Publication Services	1	4.8	16.2							
Pharmacovigilance Tech	1	4.8	2.1							
Total	21	100	200.9							



Target Geographic Revenue US Deals by State



State	Count
IL	2
AZ	1
NC	1
NY	1
Other	2
Total	7

Worldwide Deals by Country



Count
7
1
1
1
1
11

Pharmaceutical Commerce January 2025

M&A Transactions

Date	Target	Acquirer	Target HQ	Relevant Target Capabilities	Revenue (in millions)	% of Relevant Revenue	Transaction Value
Jan 1 2025	raland COMPLIANCE PARTNERS	∕I K ≪ODiS		 Regulatory Services: Quality Management Reg & Med Affairs (PC): Regulatory Strategy 	5.6	40	NA
Jan 6 2025	Predictive Oncology	RENOVARO LIVE LONGER		 Pharmacovigilance Tech: Signal Detection Pharma AI: Drug Outcomes Analytics 	4.4	66	NA
Jan 6 2025	⚠ Ascenian	CLINIGEN		 Patient Reported Data: Patient Drug Surveys HEOR: Health Economic Modeling, Drug Pricing 	1	100	NA
Jan 7 2025	TARGET RWE REDEFINING SEAL-WORLD EVIDENCE	IHI		 Pharma AI: Drug Commercial Analytics, Drug Outcomes Analytics 	21.1	66	NA
Jan 8 2025	PE PharmEng Technology	efor	*	 PV & Safety: Safety Surveillance, AE Reporting Medical Publication Services: Scientific Writing 	48.6	100	NA
Jan 8 2025	QUANTIFY	athαgoras	-	 Pharma AI: Drug Outcomes Analytics 	4.2	33	NA
Jan 10 2025	மு UPFRONT	Health Catalyst		 Patient Reported Data: Patient Drug Surveys 	1.4	13	112.24

Pharmaceutical Commerce

January 2025

M&A Transactions

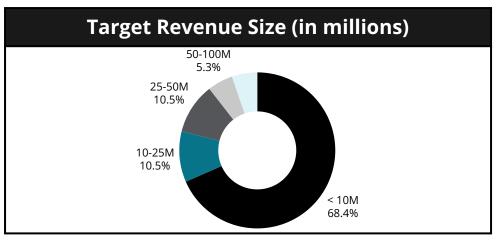
Date	Target	Acquirer	Target HQ	Relevant Target Capabilities	Revenue (in millions)	% of Relevant Revenue	Transaction Value
Jan 17 2025	Ocular Services On Demand	Your Clinical Endpoint Expert		• PV & Safety : Safety Surveillance	0.4	14	NA
Jan 28 2025	stragen	PLG ProductificGroup		 Regulatory Services: Quality Management PV & Safety: PV Case Processing, AE Reporting Reg & Med Affairs (PC): Regulatory Submissions 	6.4	100	NA
Jan 29 2025	BROADPATH HEALTHCARE SOLUTIONS	\$ sagility™		 Drug Case Mgmt Services: Prior Authorization 	105.6	33	57.94
Jan 31 2025	CLINICAL RESEARCH SERVICES TURKU HELSINKI			 PV & Safety: PV Case Processing 	1.7	19	NA

Pharmaceutical Commerce

January 2025

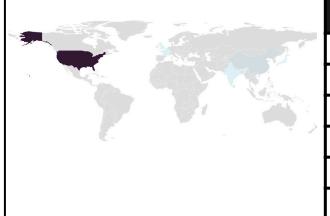
Financings Summary

Target Leaf Node Capabilities									
Target Capabilities	Deal Count	% Total	Related Revenue (in millions)						
Pharmacovigilance Tech	7	25.9	33.2						
Pharma Al	5	18.5	15.4						
Regulatory Services	4	14.8	3.3						
RWD	3	11.1	29.4						
PV & Safety	2	7.4	529.9						
HEOR	1	3.7	0.8						
Hub Tech (PC)	1	3.7	2.6						
Patient Reported Data	1	3.7	13.6						
Patient Tech	1	3.7	3						
Pharma Agency Services	1	3.7	4.8						
Reg & Med Affairs (PC)	1	3.7	3.1						
Total	27	100	639.1						



Target Geographic Revenue US Deals by State State Count MA 3 2 CT CA 1 CO 1 Other 5 12 Total

Worldwide Deals by Country



Country	Count
US	12
NC	2
FR	1
GB	1
Other	3
Total	19
	US NC FR GB Other

Financing Transactions

January 2025

Date	Target	Acquirer	Target HQ		Relevant Target Capabilities	Revenue (in millions)	% of Relevant Revenue	Transaction Value
Jan 2 2025	Beijing Safe Medical Evaluation Co., Ltd.	Beijing Shunxi Venture Capital Fund Management Co.,Ltd.	**	•	Regulatory Services : Quality Management	1	100	NA
Jan 3 2025	dātm <u>a</u>	undisclosed		•	RWD : Provider Medical Data	2.2	24	2.5
Jan 7 2025	DECIPHEX	ACT Venture Capital Limited, Molten Ventures Plc, Charles River Laboratories International 		•	Pharmacovigilance Tech: Signal Detection	7.6	25	32.13
Jan 8 2025	HAYES MANAGEMENT CONSULTING	Primus Capital Partners, Inc.,Bregal Sagemount		•	Hub Tech (PC): Rx ePA	2.7	17	NA
Jan 9 2025	Prudentia Sciences	Threshold Ventures Management Company, Iaso Ventures, Virtue Ventures Management L.L.C.		•	HEOR: Health Economic Modeling Pharma AI: Drug Commercial Analytics	1.8	100	7
Jan 9 2025	OXcan Oxford Cancer Analytics	Macmillan Cancer Support, SMBC Venture Capital Co, DigitalDx Ventures		•	Pharmacovigilance Tech : Signal Detection	3.2	100	11

Financing Transactions

January 2025

Date	Target	Acquirer	Target HQ	Relevant Target Capabilities	Revenue (in millions)	% of Relevant Revenue	Transaction Value
Jan 10 2025	❖ TECH DOCTOR	Lion Corporation,Ono Digital health Investment, GK.		 Pharmacovigilance Tech: Signal Detection Pharma Al: Drug Outcomes Analytics 	0.2	33	NA
Jan 13 2025	⇔ epistemic Al	undisclosed		• Pharmacovigilance Tech: Signal Detection	1.6	33	5.19
Jan 13 2025	epistemicAl	ClearView Healthcare Partners LLC		• Pharmacovigilance Tech: Signal Detection	1.6	33	4
Jan 13 2025	caidya™	Rubicon Founders LLC		 Regulatory Services: Quality Management PV & Safety: PV Case Processing Reg & Med Affairs (PC): Regulatory Submissions 	9.5	27	165
Jan 13 2025	(C) collate	Redpoint Management, Kaiser Permanente Inc, Y Combinator Management, LLC		• Regulatory Services: Quality Management	0.2	33	30
Jan 13 2025	¥ TRUVETA	Advocate Aurora Health, Inc, Regeneron Pharmaceuticals, Inc., Northwell Health Inc		 Pharmacovigilance Tech: Signal Detection RWD: Provider Medical Data, Clinical Registries Pharma Al: Drug Outcomes Analytics Patient Reported Data: Patient Metadata 	68.2	100	320

Financing Transactions

January 2025

Date	Target	Acquirer	Target HQ		Relevant Target Capabilities	Revenue (in millions)	% of Relevant Revenue	Transaction Value
Jan 14 2025	BIOP TiMUS	True Venture Management LLC, KKR & Co Inc, Bpifrance Investissement SAS			Pharmacovigilance Tech : Signal Detection	5.6	100	41.18
Jan 14 2025	accesshealthcare	New Mountain Capital, L.L.C.	•		PV & Safety : Medical Coding	527	20	NA
Jan 14 2025	cygenta 希济生物	Zhongguancun VC Development Center	*;		Regulatory Services : Quality Management	1	100	NA
Jan 21 2025	OpenClinica	CoreNest Capital		•	Patient Tech : Clinical Trial Patient Diaries	3	25	NA
Jan 21 2025	Chai Discovery	Flat Capital AB			Pharma AI : Drug Outcomes Analytics	1	50	0.3
Jan 24 2025	Springbok Springbok	Transition Equity Partners, LLC, NBA Equity, Cartan Capital			Pharma AI : Pharma Workflow Processing	1	100	5
Jan 31 2025	Miles Tds Inc	CIVC Partners, L.P.		•	Pharma Agency Services : Pharma Advertising	4.8	100	NA

January 2025

Public Snapshot

Segment		Total Market Cap	EV / LTM	EV / FTM	EV / LTM EBITDA	EV / FTM	Pri Perfori			
		(in billions)	Revenue	Revenue		EBITDA	LTM	YTD		
Pharmaceutical C	Pharmaceutical Commerce Regulatory and Medical Affairs									
CERTARA.	AmerisourceBergen	51.57	3.3x	2.9x	3.3x	14.7x	10%	12%		
Pharma Commerc	e Tech									
Vee∨a Op	otimizeRx <mark>- Good</mark> Rx	39.81	5.4x	4.9x	5.4x	15.2x	15%	11%		
Pharma Market A	ccess									
CERTARA.O OptimizeRx	AmerisourceBergen GoodRx	132.86	2.3x	2.2x	2.3x	11.5x	22%	4%		
© Clarivate [™]	MCKESSON									
Overview Perform	nance									
TOTAL MKT CAP/ME PRICE	DIAN MULTIPLES & AVG SHARE	224.23	3.3x	3.1x	3.3x	13.1x	16%	9%		
S&P PERFORMANCE							19.8%	2.6%		