



Accelerating Medicines, Together



Disclaimer

Numerical figures in the presentation have been subject to rounding adjustments. Accordingly, numerical figures shown as totals in various tables may not be arithmetic aggregations of the figures that precede them.

Trademarks and Service Marks

The Certara design logo, "Certara," and our other registered or common law trademarks, service marks or trade names appearing in this presentation are our property. Solely for convenience, our trademarks, tradenames, and service marks referred to in this presentation appear without the registered mark or trademark symbols, but those references are not intended to indicate, in any way, that we will not assert, to the fullest extent under applicable law, our rights to these trademarks, tradenames, and service marks. This presentation contains additional trademarks, tradenames, and service marks of other companies that are the property of their respective owners. We do not intend our use or display of other companies' trademarks, trade names or service marks to imply relationships with, or endorsement or sponsorship of us by, these other companies.

Forward-Looking Statements

This presentation includes forward-looking statements within the meaning of the "safe harbor" provisions of the Private Securities Litigation Reform Act of 1995, that reflect the Company's current views with respect to, among other things, the Company's operations and financial performance. Forward-looking statements include words such as "anticipate," "expect," "suggest," "plan," "believe," "intend," "project," "forecast," "expectations, including descriptions of our business plan and strategies. These statements often include words such as "anticipate," "suggest," "plan," "believe," "intend," "project," "forecast," "expectations, plans and assumptions, while," and other similar expressions. We base these forward-looking statements or projections of nur current expectations of historical trends, current conditions, expected future developments and other factors we believe are appropriate under the circumstances at the time. The forward-looking statements are based on our beliefs, assumptions and expectations of future performance, taking into account the information currently available to us. These statements are only predictions based upon our current expectations and projections about future events. Actual results may differ materially from those described in the forward-looking statements and are subject to a variety of assumptions, uncertainties, risks and factors that are beyond our control, including the Company's ability to compete within its market; any deceleration in, or resistance to, the acceptance of model-informed biopharmaceutical discovery; changes or delays in relevant government regulation; increasing competition, regulation and other cost pressures within the pharmaceutical and biotechnology industries; economic conditions, including inflation, recession, currency exchange flucture development in the fractors detailed under the captions or disruptions or dela

Non-GAAP Financial Information

This presentation contains "non-GAAP measures" that are financial measures that either exclude or include amounts that are not excluded or included in the most directly comparable measures calculated and presented in accordance with U.S. generally accepted accounting principles ("GAAP"). Specifically, we make use of the non-GAAP financial measures adjusted EBITDA, adjusted EBITDA margin, adjusted net income (loss), adjusted diluted earnings per share ("EPS"), and constant currency ("CC") revenue, which are not recognized terms under GAAP and should not be considered as alternatives to net income (loss), GAAP EPS, or GAAP revenue as measures of financial performance or cash provided by operating activities as a measure of liquidity, or any other performance measure derived in accordance with GAAP. These non-GAAP measures have limitations as analytical tools and should not be considered in isolation, or as a substitute for our results as reported under GAAP. Because not all companies use identical calculations, the presentations of these measures may not be comparable to other similarly titled measures of other companies and can differ significantly from company to company.

Adjusted EBITDA represents net income (loss) excluding interest expense, provision (benefit) for income taxes, depreciation and amortization expense, intangible asset amortization, equity-based compensation expense, acquisition and integration expense and other items not indicative of our ongoing operating performance. Adjusted EBITDA margin represents adjusted EBITDA divided by revenue. Adjusted net income and adjusted diluted EPS exclude the effect of the same items noted above with respect to adjusted EBITDA from GAAP net income (loss) and GAAP EPS, respectively, as well as adjust the provision for income taxes for such charges. CC revenue excludes the effects of foreign currency exchange rate fluctuations by assuming constant foreign currency exchange rates used for translation. Current periods revenue reported in currencies other than U.S. dollars are converted into U.S. dollars at the average exchange rates in effect for the comparable prior periods. You should refer to the appendix at the end of this document for a reconciliation of these non-GAAP measures in specific periods to their most directly comparable financial measures calculated and presented in accordance with GAAP for those periods.

Management uses various financial metrics, including total revenues, income from operations, net income, CC revenue and certain non-GAAP measures, including those discussed above, to measure and assess the performance of the Company's business, to evaluate the effectiveness of its business strategies, to make budgeting decisions, to make certain compensation decisions, and to compare the Company's performance against that of other peer companies using similar measures. In addition, management believes these metrics provide useful measures for period-to-period comparisons of the Company's business, as they remove the effect of certain non-cash expenses and other items not indicative of its ongoing operating performance. Management believes that these metrics are helpful to investors, analysts, and other interested parties because they can assist in providing a more consistent and comparable overview of our operations across our historical periods. In addition, these measures are frequently used by analysts, investors, and other interested parties to evaluate and assess performance. In addition, our business has operations outside the United States that are conducted in local currencies. As a result, the comparability of the financial results reported in U.S. dollars is affected by changes in foreign currency exchange rates. We use CC revenue to evaluate the underlying performance of the business, and we believe it is helpful for investors to present operating results on a comparable basis period over period to evaluate its underlying performance. In evaluating adjusted EBITDA, adjusted net income (loss), adjusted diluted EPS, and CC revenue, you should be aware that in the future the Company may incur expenses similar to those eliminated in this presentation and this presentation should not be construed as an inference that future results will be unaffected by unusual items.

CFRTARA

We accelerate medicines to patients using biosimulation software, technology and services to transform traditional drug discovery and development.



Certara at a Glance

BUSINESS ⁽¹⁾	END-TO-END PLATFORM	CUSTOMERS ⁽³⁾	1Q 2024 FINANCIALS		
20+ Year History of innovation	Software • Biosimulation • Regulatory & compliance • Market access	~2,400 Customers across 66 countries	\$ 96.7M Revenue 7% GAAP YoY Growth 6% CC YoY Growth ⁽⁴⁾		
~1,400 Employees 430+with Ph.D.s, Pharm.D.s and M.D.s	Technology-Driven Services Drug discovery & development with biosimulation 	10+ Year Average tenure for top 30 customers	Net Income (\$4.7M) PY \$1.4M \$29.1M Reported Adjusted EBITDA ⁽⁵⁾ PY \$32.3M		
20 Acquisitions	Regulatory scienceMarket access	389 customers with ACV > \$100,000			
Track record of accretive, complementary acquisitions	\$14B TAM growing at 8-17% CAGR ⁽²⁾	63 customers with ACV > \$1M	30% Adjusted EBITDA Margin ⁽⁵⁾		

(1) As of 12/31/2023

(2) Market research reports from Grand View and SpendEdge; as of 2024

(3) Customer data as of 12/31/2023

(4) See Appendix for reconciliation of GAAP revenue to constant currency (non-GAAP revenue)

(5) See Appendix for reconciliation of net income (loss) to adjusted EBITDA

Biosimulation is transforming traditional drug R&D

Traditional R&D Pain Points

- On average, it takes more than
 10 years and \$2B to bring a drug to market¹
- The probability of success of compounds entering Phase I trials is only 7%², and even in Phase III, just 53%³ of drugs reach the market
- ~70% of drugs that failed in Phase II or Phase
 III trials⁴ failed due to safety and efficacy issues



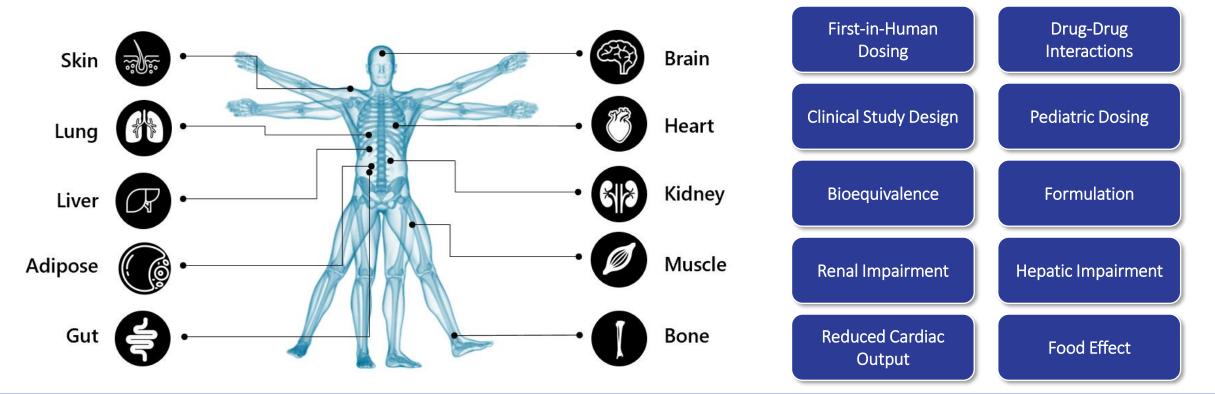
- In silico trials can replace human clinical trials in certain cases, saving significant time and money
- Biosimulation helps to increase probability of success in human clinical trials, the most expensive part of drug development
- Biosimulation helps to optimize dosing for different populations for enhanced safety and efficacy

Biosimulation can deliver significant time and cost savings in drug discovery and development

- 1. Biopharmaceutical Research and Development: The Process Behind New Medicines. www.PhRMA.org, January 2012, Washington, US http://phrma-docs.phrma.org/sites/default/files/pdf/rd_brochure_022307.pdf
- 2. Dowden, H. et al. Trends in clinical success rates and therapeutic focus. Nature Reviews Drug Discovery 18, 495-496 (2019)
- 3. EvaluatePharma. World Preview. 2020
- 4. Harrison, R. Phase II and phase III failures: 2013 2015. Nat Rev Drug Discov 15, 817-818 (2016). https://doi.org/10.1038/nrd.2017.184

Biosimulation utilizes virtual patients to conduct in silico trials

Biosimulation is the computer-aided mathematical modeling of biological processes and systems to simulate and predict how the body affects the drug and how the drug affects the body



Simcyp Advanced Models for 10 Organs

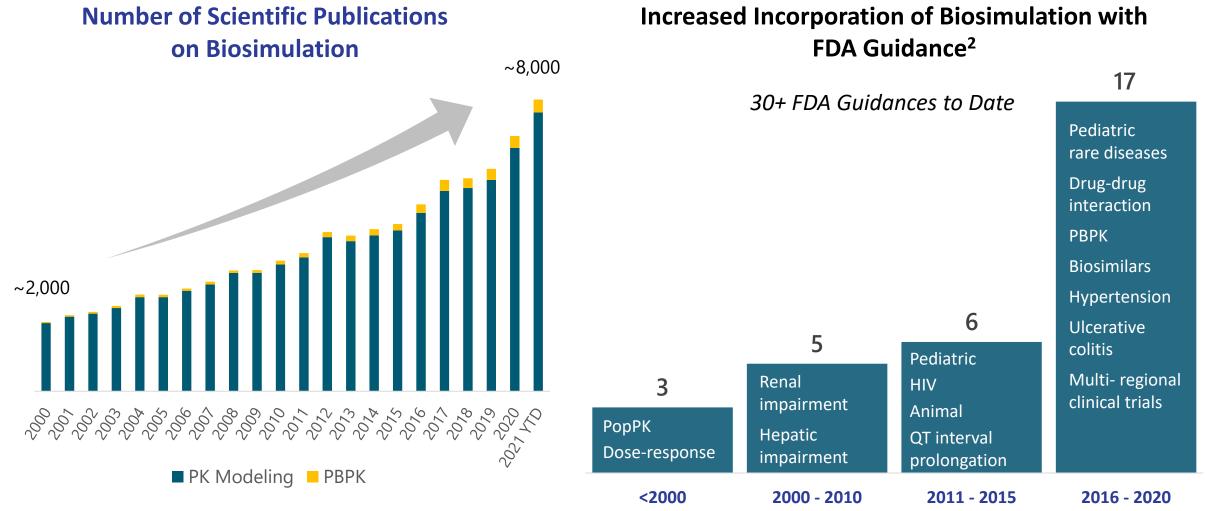
Biosimulation Software Applications

CERTARA

We have created 29 different virtual patient populations and mathematical models for 10 organs

© Copyright 2024 Certara, L.P. All rights reserved.

Growing industry and regulatory adoption of biosimulation



1. Science Direct search for publications by key search terms

2. Model-Informed Drug Development: Current US Regulatory Practice and Future Considerations. Wang et al. Clinical Pharmacology and Therapeutics, April 2019

Simcyp software has informed 300+ labels for 100 novel drug approvals

	ONCOLOGY	AgiosTibsovo (ivosidenib)AmgenBlincyto (blinatumomab)AmgenLumakras (sotorasib)AriadAlunbrig (brigatinib)Ariad (Takeda)Iclusig (ponatinib)AstraZenecaCalquence (acalabrutinib)AstraZenecaLynparza (olaparib)AstraZenecaTagrisso (osimertinib)BeigeneBrukinsa (zanubrutinib)BluePrint MedicinesAyvakit (avapritinib)CelgeneInrebic (fedratinib hydrochloride)Daiichi SankyoTuralio (pexidartinib)EMD SeronoTepmetko (tepotinib hydrochloride)GenentechAlecensa (alectinib)	GenentechCotellic (cobimetinib)GenentechPolivy (polatuzumab vedotin-piiq)GenentechRozlytrek (entrectinib)IncytePemazyre (pemigatinib)JanssenBalversa (erdafitinib)JanssenErleada (apalutamide)LillyRetevno (selpercatinib)LillyVerzenio (abemaciclib)Loxo OncologyVitrakvi (larotrectinib)MiratiKrazati (adagrasib)NovartisFarydak (panobinostat)NovartisScemblix (acciminb)NovartisScemblix (acciminb)NovartisVijoice (alpelisib)	NovartisRydapt (midostaurin)NovartisTabrecta (capmatinib)NovartisZykadia (ceritinib)NovartisJakavi (ruxolitinib)PfizerBosulif (bosutinib)PfizerLorbrena (lorlatinib)PharmacyclicsImbruvica (ibrutinib)SanofiJevtana (cabazitaxel)Seattle GeneticsTukysa (tucatinib)SpectrumBeleodaq (belinostat)TakedaExkivity (mobocertinib)TaihoLytgobi (futibatinib)VerastemCopiktra (duvelisib)
	RARE DISEASE	AkaRx (Eisai)Doptelet (avatrombopag maleate)AstraZenecaKoselugo (selumetinib)AuriniaLupkynis (voclosporin)GenentechEnspryng (satralizumab)GenentechEvrysdi (risdiplam)Global Blood TherapeuticsOxbryta (voxelotor)	InterceptOcaliva (obeticholic acid)KadmonRezurock (belumosudil)MerckWelireg (belzutifan)MirumLivmarli (maralixibat)Mitsubishi TanabeDysval (valbenazyne)NovartisIsturisa (osilodrostat)	PTC Therapeutics Emflaza (deflazacort) Sanofi Genzyme Cerdelga (eliglustat tartrate) Vertex Symdeko (tezacaftor/ivacaftor) Vertex Trikafta (elexacaftor/ivacaftor/tezacaftor)
	CENTRAL NERVOUS SYSTEM	AbbVieRinvoq (upadacitinib)AbbVieQulipta (atogepant)AlkermesAristada (aripiprazole lauroxil)AlkermesLybalvi (olanzapine/samidorphan)	Eisai Dayvigo (lemborexant) Idorsia Quviviq (daridorexant) Janssen Ponvory (ponesimod) Kyowa Kirin Nourianz (istradefylline)	Lilly Reyvow (lasmiditan succinate) Novartis Mayzent (siponimod fumaric acid) UCB Briviact (brivaracetam)
	INFECTIOUS DISEASE	Gilead Veklury (remdesivir) Janssen Olysio (simeprevir) Merck Pifeltro (doravirine)	MerckPrevymis (letermovir)NabrivaXenleta (lefamulin acetate)NovartisEgaten (triclabendazole)	TibotecEdurant (rilpivirine)ViiVCabenuva Kit (cabotegravir/rilpivirine)
L'A	GASTROENTEROLOGY	AstraZeneca Movantik (naloxegol) Helsinn Akynzeo (fosnetupitant/palonosetron)	Phathom Voquezna TriplePak (vanoprazan/amoxicillin/clarithromycin) Shionogi Symproic (naldemedine)	Shire Motegrity (prucalopride)
E.	CARDIOVASCULAR	Actelion (J & J) Opsumit (macitentan) Bayer (and Merck) Verquvo (vericiguat)	BMS Camzyos (mavacamten) Johnson & Johnson Xarelto (rivaroxaban)	Pfizer Revatio (sildenafil)
000	OTHER	AbbVie Orilissa (elagolix) Agios Pyrukynd (mitapivat) Galderma Aklief (trifarotene)	Janssen Invokana (canagliflozin) Lilly Olumiant (baricitinib) Lilly Mounjaro (tirzepadide)	MerckSteglatro (ertugliflozin)Peloton/MerckWelireg (belzutifan)TakedaLivtencity (maribavir)

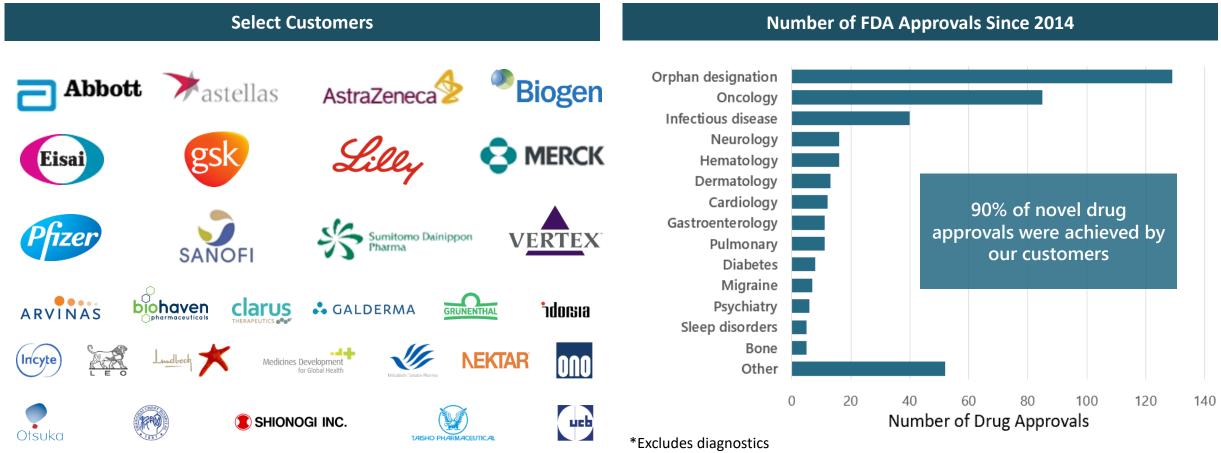
Updated Feb. 2023

CERTARA

We believe that our customers would have faced *millions in additional costs and significant launch delays* had they conducted human clinical trials for these drug label claims

© Copyright 2024 Certara, L.P. All rights reserved.

Blue chip customer base spanning large biopharma and biotech

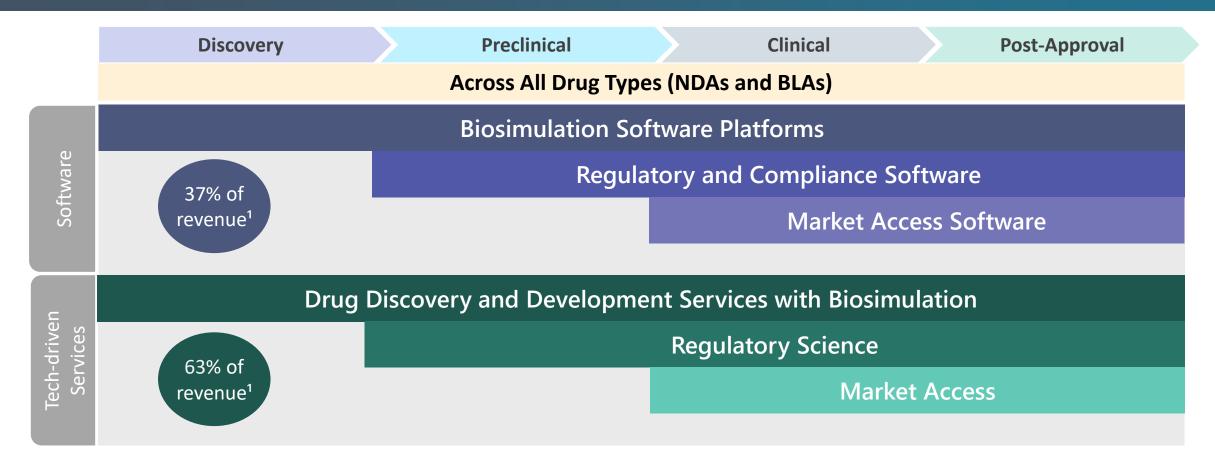


Orphan designation applies across therapeutic areas

CERTARA

We have nearly 2,400 customers worldwide across 66 countries, including 38 of the top 40 biopharmaceutical companies by R&D spend in 2022

The Certara End-to-End Platform

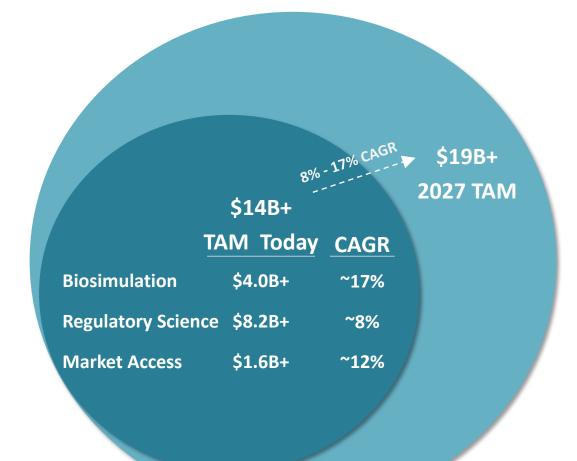


For over 20 years, we have purpose-built and invested in our proprietary end-to-end platform with strategic acquisitions and innovation

1. As of 12/31/2023



Our end markets are large and growing



1. As of 2024 Sources: Grand View Research, SpendEdge

- **Drastic need for digital transformation** in \$212B biopharma R&D market¹
- Industry is in paradigm shift, with **biosimulation adoption accelerating** and increasing acceptance from regulatory agencies
- Technology and analytics-driven improvements continue to grow exponentially in Life Sciences

We use biosimulation and technology throughout R&D to reduce costs and improve outcomes



Biosimulation TAM Segmentation

Biosimulation TAM \$4.0B									
~5 Scientists at global pha	on Software 0% rmaceutical companies, biotechs and CROs	Biosimulation Services ~50% Drug R&D programs							
Drug Discovery ~45%	Drug Development ~55%	Drug Discovery ~20%	Drug Development ~80%						
 Quantitative Systems Pharmacology (QSP) Immuno-oncology QSP Immunogenicity QSP Discovery Informatics 	 PBPK¹ Simcyp Simulator PK/PD² Phoenix Software Model-based meta-analysis 	 QSP Consulting 	 PBPK Consulting PK/PD analysis Model-based meta-analysis 						
 D360 Software 	• CODEx Databases								

Certara Solutions (illustrative examples)

	Software	Tech-driven Services					
Key Differentiators	Used by ~400 academic institutions	 Scalable service model powered by proprietary technology High net revenue repeat rate of 96% in 2023 Integrated services with 90% of our top 50 customers using both biosimulation solutions and regulatory & access services Renowned for key opinion leadership Depth and breadth of experience across every therapeutic area and modality 					

Our differentiated strengths enable us to win new customers and projects

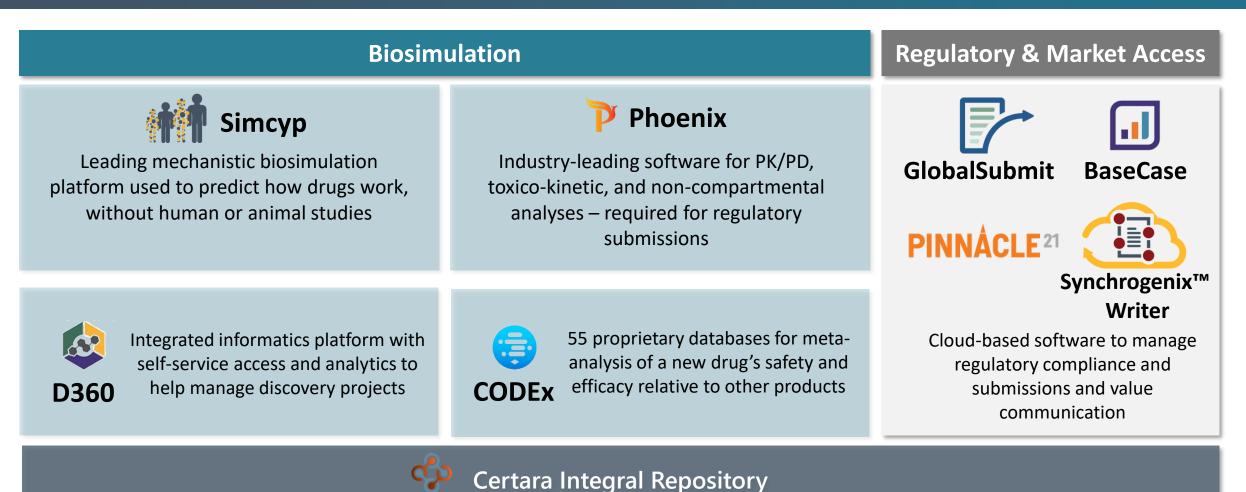
Deeply experienced leadership team and global talent footprint



Of our ~1,400 employees, 430+ hold PhD, PharmD, or MD degrees



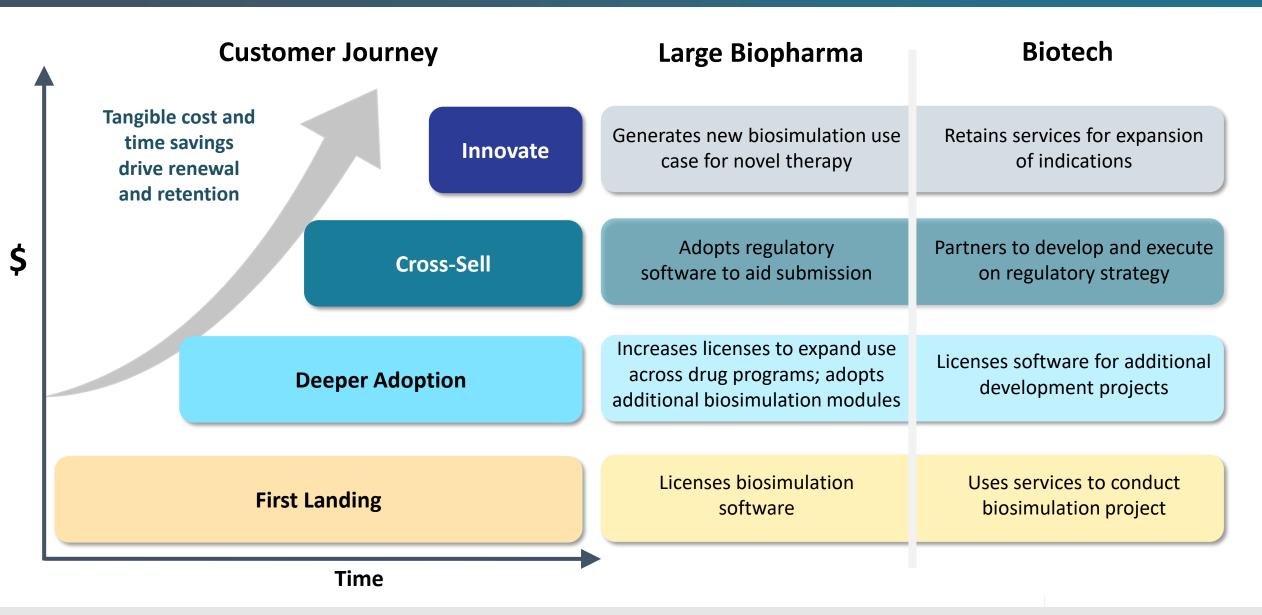
Certara's Industry-Standard Software



Our industry-leading software is adopted by more than 57,000 users worldwide across 66 countries

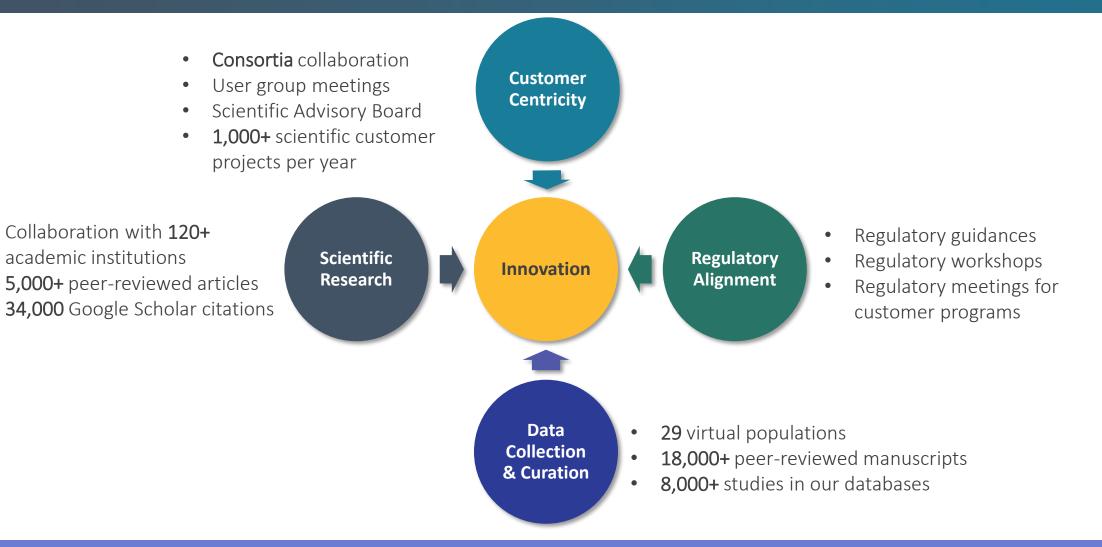


Certara's platform is built to meet clients where they are





Our R&D framework advances innovation in biosimulation

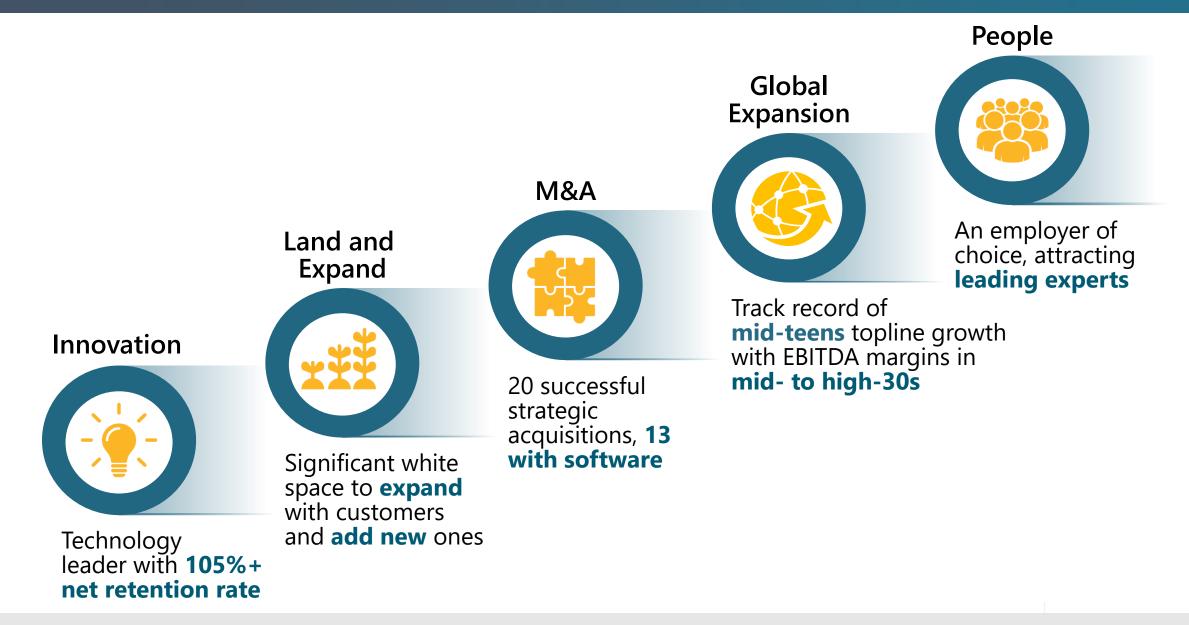


We have a regular cadence of incremental and breakthrough innovations with new software applications and updates

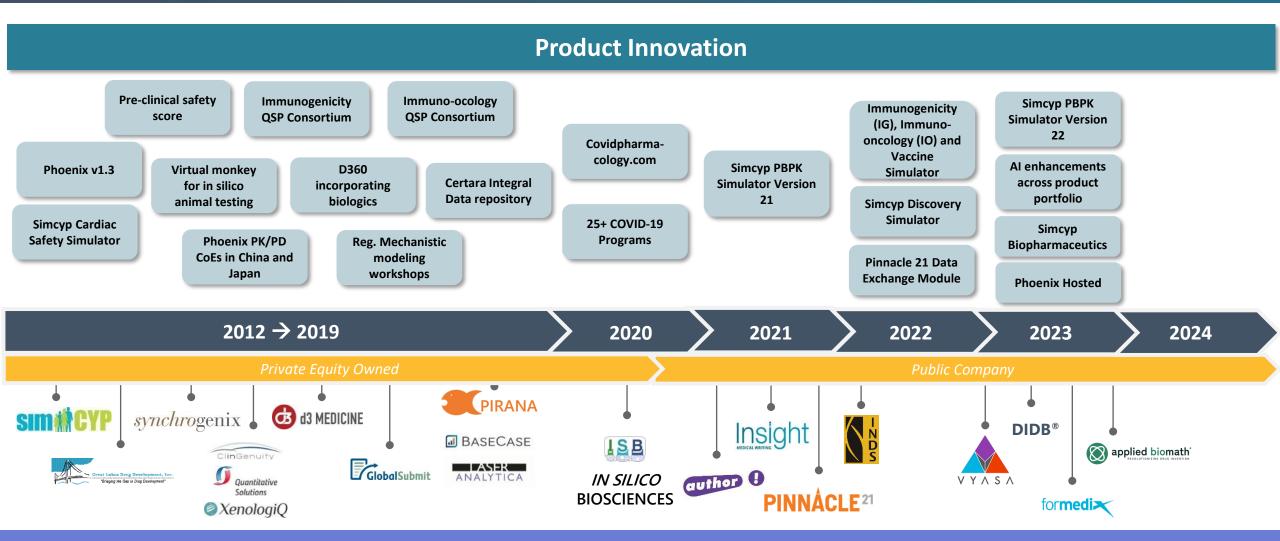
© Copyright 2024 Certara, L.P. All rights reserved.



Our proven growth strategy



Long history of innovation driven by investment in our platform



Well-positioned to continue delivering growth through organic and inorganic opportunities

© Copyright 2024 Certara, L.P. All rights reserved.



Certara Financial Highlights

Predictable bookings drive substantial revenue growth

Highly recurring revenue driven by strong retention rates supports significant visibility

Robust margins with attractive free cash flow conversion

Investment in platform to drive future growth opportunities

Long term potential for accelerated adoption of biosimulation solutions

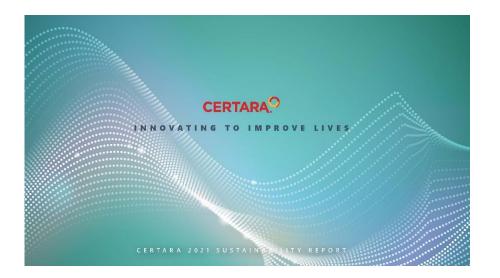
CFRTA

Our Business Models

	Software	Tech-Driven Services				
Products	 Simcyp Phoenix D360 CODEx GlobalSubmit BaseCase Pinnacle 21 Integral 	 Biosimulation Regulatory Science 				
Contract Type	Individual or bundled licenses depending on customer	Master Services Agreement or project specific				
Contract Term	1 – 3 years	Project and program dependent				
Recurring Revenue ¹	Net Retention RateNet Revenue Repeat Rate109%96%					
% of Revenue ¹	37%	63%				

1. Data as of 12/31/2023

Environmental, Social and Governance (ESG)



Certara Inaugural ESG Report

Issued April 2022

- Accelerating crucial medicines to patients
- Advancing scientific thought leadership and knowledge sharing
- Increasing engagement with employees

REGULATORY SUBMISSIONS

IN THE PAST 4 YEARS

GENDER AND ETHNICALLY DIVERSE REPRESENTATION

GLOBAL FEMALE TALENT REPRESENTATION	Ę	
	FY20	FY21
FEMALE EMPLOYEES	52 %	54%
FEMALE MANAGERS AND ABOVE	46 %	48 %
FEMALE NEW EMPLOYEE HIRES	55%	60%
U.S. ETHNICALLY DIVERSE TALENT REPRESENTATION	FY20	FY21
ETHNICALLY DIVERSE	27%	28%
ETHNICALLY DIVERSE MANAGERS AND ABOVE	22 %	22%
ETHNICALLY DIVERSE NEW EMPLOYEE HIRES	34%	35%





2021 R&D SPEND (10% OF REVENUE)

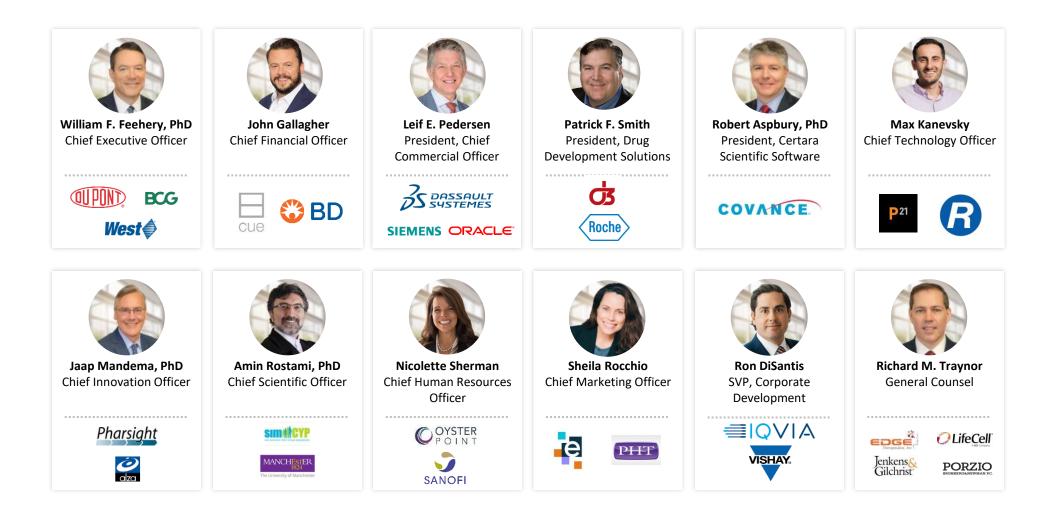
1M



AND PRESENTATIONS IN 2021



We have a deeply experienced leadership team



Certara investment highlights





Covering Analysts

Bank	Analyst
Baird	Joe Vruwink
Bank of America	Michael Ryskin
Barclays	Luke Sergott
Jefferies	David Windley
JMP Securities	Constantine Davides
KeyBank	Scott Schoenhaus
Leerink	Michael Cherny
Morgan Stanley	Vikram Purohit
Stephens	Jeff Garro
UBS	Dan Leonard
William Blair	Max Smock







Accelerating Medicines



Reconciliation of Net Income (Loss) to Adjusted EBITDA

	ſ	THREE MONTHS ENDED MARCH 31, 2024 2023 (in thousands)			
Net income (loss)(a)	\$	(4,683)	\$	1,358	
Interest expense(a)		5,751		5,475	
Interest income(a)		(2,574)		(1,354)	
(Benefit from) Provision for income taxes(a)		(751)		1,111	
Depreciation and amortization expense(a)		432			
Intangible asset amortization(a)		15,996			
Currency (gain) loss(a)		876			
Equity-based compensation expense(b)		9,073		8,543	
Change in fair value of contingent consideration(d)		2,878		1,261	
Acquisition-related expenses(e)		1,714		1,192	
Integration expense(f)				102	
Reorganization expense(g)		51			
Loss on disposal of fixed assets(h)				4	
Executive recruiting expense(i)		380 1			
Adjusted EBITDA	\$	\$ 29,143 \$			



	TH	THREE MONTHS ENDED MARCH 31,					Change						
		2024		2024 2023			\$	%	\$		%		
		Actual	СС			Actual		Actual	Actual	CC Impact			
		(GAAP)	(non-GAAP)			(GAAP)		(GAAP)	(GAAP)	(non-GAAP)		(non-GAAP)	
						(in thousan	ds ex	cept percent	age)				
Revenue													
Software	\$	39,307	\$	39,015	\$	33,004	\$	6,303	19%	\$	(292)	18%	
Services		57,347		57,038		57,297		50	%		(309)	%	
Total Revenue	\$	96,654	\$	96,053	\$	90,301	\$	6,353	7%	\$	(601)	6%	



Notes to Reconciliations

(a.) Represents amounts as determined under GAAP.

(b.) Represents expense related to equity-based compensation. Equity-based compensation has been, and will continue to be for the foreseeable future, a recurring expense in our business and an important part of our compensation strategy.

(c.) Represents amortization costs associated with acquired intangible assets in connection with business acquisitions.

(d.) Represents expense associated with remeasuring fair value of contingent consideration of business acquisition.

(e.) Represents expense associated with goodwill impairment charge.

(f.) Represents costs associated with mergers and acquisitions and any retention bonuses pursuant to the acquisitions.

(g.) Represents integration costs related to post - acquisition integration activities.

(h.) Represents costs associated with our public offerings that are not capitalized.

(i.) Represents charges for severance provided to former executives.

(j.) Represents expense related to reorganization, including legal entity reorganization and lease abandonment cost associated with the evaluation of our office space footprint.

(k.) Represents the gain/loss related to disposal of fixed assets.

(I.) Represents recruiting and relocation expenses related to hiring senior executives.

(m.) Represents the first-year Sarbanes-Oxley costs for accounting and consulting fees related to the Company's preparation to comply with Section 404 of the Sarbanes-Oxley Act, as well as implementation cost of adopting ASC 842.

(n.) Represents the income tax effect of the non-GAAP adjustments calculated using the applicable statutory rate by jurisdiction.

(o.) Represents dilutive shares or potentially dilutive shares that were excluded from the Company's GAAP diluted weighted average common shares outstanding because the Company had a reported net loss and therefore including these shares would have been anti-dilutive.





Accelerating Medicines, Together

