FORM 4

#### UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

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## STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

Check this box to indicate that a transaction was made pursuant to a contract, instruction or written plan for the

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

purchase or sale issuer that is into	of equity securities of the ended to satisfy the se conditions of Rule enstruction 10.			
1. Name and Addre Stewart Rich (Last) 22722 29TH D SUITE 100	(First)	(Middle)	2. Issuer Name and Ticker or Trading Symbol     ACHIEVE LIFE SCIENCES, INC. [ ACHV ]  3. Date of Earliest Transaction (Month/Day/Year) 04/19/2024	S. Relationship of Reporting Person(s) to Issuer (Check all applicable)      X Director 10% Owner     X Officer (give title Other (specify below)      Executive Chairman
(Street) BOTHELL (City)	WA (State)	98021 (Zip)	4. If Amendment, Date of Original Filed (Month/Day/Year)	Individual or Joint/Group Filing (Check Applicable Line)     X Form filed by One Reporting Person     Form filed by More than One Reporting Person

### Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transac Code (li 8)		4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and 5)			5. Amount of Securities Beneficially Owned Following Reported Transaction(s)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
			Code	v	Amount	(A) or (D) Price		(Instr. 3 and 4)		(11150: 4)
Common Stock	04/19/2024		M		22,500(1)	A	\$0	61,001	D	
Common Stock	04/19/2024		F		10,125(2)	D	\$4.51	50,876	D	

# Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transac Code (li 8)			tive ties red (A) cosed of str. 3, 4	Expiration Date (Month/Day/Year)		7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)		8. Price of Derivative Security (Instr. 5)	Following Reported	Ownership Form: Direct (D)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
				Code	v	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares		Transaction(s) (Instr. 4)		
Performance Restricted Stock Unit (PRSU)	(3)	04/19/2024		М			22,500	(4)	01/03/2026	Common Stock	22,500	\$0	0	D	

### Explanation of Responses:

- 1. Represents shares of common stock acquired upon settlement of the performance restricted stock units ("PRSUs") listed in Table II.
- 2. Represents shares of common stock that have been withheld by the issuer to satisfy the tax liability in connection with the settlement of PRSUs.
- 3. Each PRSU represents a contingent right to receive one share of the issuer's common stock at settlement.
- 4. Pursuant to the PRSU 50% of the total shares underlying the PRSU vest on the achievement of a performance-based milestone, and 50% vest on the first anniversary of the achievement of such milestone.

Sandra Thomson as attorney-infact for Richard Stewart

04/23/2024

\*\* Signature of Reporting Person

Date

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

- $^{\star}$  If the form is filed by more than one reporting person, see Instruction 4 (b)(v).
- $^{\star\star} \ \text{Intentional misstatements or omissions of facts constitute Federal Criminal Violations See 18 U.S.C.\ 1001\ and\ 15 U.S.C.\ 78 ff(a).$

 $Note: File\ three\ copies\ of\ this\ Form,\ one\ of\ which\ must\ be\ manually\ signed.\ If\ space\ is\ insufficient,\ see\ Instruction\ 6\ for\ procedure.$ 

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB Number.