SEC Form 4 FORM	<u>л</u> I	INITE	η στατ	FS	SECURITIE	S AN	י טו	ΞΧΩΗΔΝ	GE C	OMMIS	SSION			
				20	Washing				02 0	•	□ □	OMB APPR	OVAL	
Check this box if no to Section 16. Form obligations may con Instruction 1(b).	4 or Form 5	STA		pursua	F CHANGE ant to Section 16(a) action 30(h) of the lu	of the S	Securi	ties Exchange	Act of 1			MB Number: stimated average bu ours per response:	3235-0287 rden 0.5	
1. Name and Address of Reporting Person <sup>*</sup> ARCH Venture Partners X, LLC				2. Issuer Name <b>and</b> Ticker or Trading Symbol <u>Prime Medicine, Inc.</u> [ PRME ]							5. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director X 10% Owner			
(Last) (F	First)	(Middle)		3. Date of Earliest Transaction (Month/Day/Year) 02/15/2024							Officer (give title Other (specify below) below)			
8755 W. HIGGINS	S ROAD, SUITE	E 1025		4. If Amendment, Date of Original Filed (Month/Day/Year)					6. Indi Line)	- /				
(Street) CHICAGO IL 60631									Form filed by	One Reporting Pe More than One Re				
(City) (State) (Zip)			Rule 10b5-1(c) Transaction Indication Check this box to indicate that a transaction was made pursuant to a contract, instruction or written plan that is intended to satisfy the affirmative defense conditions of Rule 10b5-1(c). See Instruction 10.											
					-									
	Tabl	e I - No			Securities Acc	-	, Dis	sposed of,	or Ber	neficially	/ Owned			
Date		2. Transacti Date (Month/Day		2A. Deemed Execution Date, if any (Month/Day/Year)	3.4. Securities AcquiredTransactionDisposed Of (D) (Instr.Code (Instr.5)			5. Amount of Securities Beneficially Owned Followir	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	Ownership				
						Code	v	Amount	(A) or (D)	Price	Reported Transaction(s) (Instr. 3 and 4)		(Instr. 4)	
Common Stock											6,128,297	I	By ARCH Venture Fund X, L.P. <sup>(1)(3)</sup>	

															XII, L.P. 4)
	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)	erivative Conversion Date Execution ecurity or Exercise (Month/Day/Year) if any		3A. Deemed Execution Date, if any (Month/Day/Year)	Transaction Code (Instr. 1 8)		of E		6. Date Exercisable and 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)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
				Code	v	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares				
1. Name and Address of Reporting Person*															
ARCH Venture Partners X, LLC															
(Last)		(First)	(Middle)												
8755 W. HIGGINS ROAD, SUITE 1025															

Р

3,200,000

Α

\$6.25

02/15/2024

By ARCH Venture

By ARCH Venture

Fund

Fund X Overage, L.P.<sup>(2)(3)</sup>

I

I

6,128,297

3,200,000

CHICAGO	IL	60631					
(City)	(State)	(Zip)					
1. Name and Address of Reporting Person <sup>*</sup> ARCH Venture Partners X, L.P.							

Common Stock

Common Stock

(Street)

(Last)	(First)	(Middle)				
8755 W. HIGGINS ROAD, SUITE 1025						
(Street) CHICAGO	IL	60631				
(City)	(State)	(Zip)				
1. Name and Address of <u>ARCH Venture</u>	of Reporting Person* <u>Partners X Over</u>	<u>age, L.P.</u>				
(Last)	(First)	(Middle)				
	S ROAD, SUITE 102					
(Street) CHICAGO	IL	60631				
(City)	(State)	(Zip)				
1. Name and Address of <u>ARCH Venture</u>						
(Last) 8755 W. HIGGINS	(First) S ROAD, SUITE 102	(Middle)				
(Street) CHICAGO	IL	60631				
(City)	(State)	(Zip)				
1. Name and Address of <u>ARCH Venture</u>	of Reporting Person <sup>*</sup> Fund X Overage	<u>e, L.P.</u>				
(Last) 8755 W. HIGGINS	(First) S ROAD, SUITE 102	(Middle) 25				
(Street) CHICAGO	IL	60631				
(City)	(State)	(Zip)				
1. Name and Address of CRANDELL K						
(Last)	(First)	(Middle)				
	URE PARTNERS D ROAD, SUITE 102	· ·				
(Street) CHICAGO	IL	60631				
(City)	(State)	(Zip)				
1. Name and Address of Reporting Person <sup>*</sup> Burow Kristina						
(Last) 8755 W. HIGGINS	(First) S ROAD,SUITE 102	(Middle) 5				
(Street) CHICAGO	IL	60631				
(City)	(State)	(Zip)				
1. Name and Address of Reporting Person* GILLIS STEVEN						
(Last) C/O ARCH VENT 8755 WEST HIGO	(First) URE PARTNERS HNS ROAD, SUITE	(Middle) 1025				

(Street) CHICAGO	IL	60631	
(City)	(State)	(Zip)	

## Explanation of Responses:

1. Represents shares held directly by ARCH Venture Fund X, L.P. ("ARCH X"). ARCH Venture Partners X, L.P. ("AVP X LP") is the sole general partner of ARCH X.

2. Represents shares held directly by ARCH Venture Fund X Overage, L.P. ("ARCH X Overage"). ARCH Venture Partners X Overage, L.P. ("AVP X Overage LP") is the sole general partner of ARCH X Overage.

3. ARCH Venture Partners X, LLC ("AVP X LLC") is the sole general partner of each of AVP X LP and AVP X Overage LP. Keith Crandell, Kristina Burow and Steven Gillis are members of the investment committee of AVP X LLC (the "AVP X Committee Members"). AVP X LP and AVP X Overage LP may be deemed to beneficially own the shares held by ARCH X and ARCH X Overage, respectively, AVP X LLC may be deemed to beneficially own the shares held by ARCH X and ARCH X Overage. AVP X LP and ACH X Overage LP, AVP X LLC, and the AVP X Committee Members may be deemed to share the power to direct the disposition and vote of the shares held by ARCH X and ARCH X Overage. AVP X LP, AVP X Overage LP, AVP X LLC, and the AVP X Committee Members each disclaim beneficial ownership except to the extent of any pecuniary interest therein, and this report shall not be deemed an admission that such shares are beneficially owned by them for Section 16 or any other purpose.

4. Represents shares held directly by ARCH Venture Fund XII, L.P. ("ARCH XII"). ARCH Venture Partners XII, L.P. ("AVP XII LP") is the general partner of ARCH XII. ARCH Venture Partners XII, LLC ("AVP XII LLC") is the general partner of AVP XII LP. Keith Crandell, Kristina Burow and Steven Gillis are members of the investment committee of AVP XII LLC (the "AVP XII LLC Committee Members"). Each of AVP XII LP and AVP XII LLC may be deemed to beneficially own the shares held by ARCH XII, and each of the AVP XII LLC Committee Members may be deemed to share the power to direct the disposition and vote of the shares held by ARCH XII LLC and the AVP XII LLC Committee Members disclaims beneficial ownership except to the extent of their pecuniary interest therein, if any.

## Remarks:

This Form 4 is one of two reports relating to the same transaction being filed jointly by ARCH X, AVP X LP, ARCH X Overage, AVP X Overage LP, AVP X LLC, ARCH XII, AVP XII LP, AVP XII LP,

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/s/ ARCH Venture Fund X, L.P., By: ARCH Venture Partners X, L.P., its General Partner, By: ARCH Venture Partners X, LLC, its General Partner, By: Mark McDonnell, attorney-in-fact	<u>02/20/2024</u>
/s/ ARCH Venture Fund X Overage, L.P., By: ARCH Venture Partners X Overage, L.P., its General Partner, By: ARCH Venture Partners X, LLC, its General Partner, By: Mark McDonnell, attorney-in- fact	<u>02/20/2024</u>
/s/ ARCH Venture Partners X, L.P., By: ARCH Venture Partners X, LLC, its General Partner, By: Mark McDonnell, attorney-in-fact	<u>02/20/2024</u>
/s/ ARCH Venture Partners X Overage, L.P., By: ARCH Venture Partners X, LLC, its General Partner, By: Mark McDonnell, attorney-in-fact	<u>02/20/2024</u>
/s/ ARCH Venture Partners X, LLC, By: Mark McDonnell, attorney-in-fact	02/20/2024
/s/ Keith Crandell, By: Mark McDonnell, attorney-in-fact	02/20/2024
/s/ Kristina Burow, By: Mark McDonnell, attorney-in-fact	02/20/2024
<u>/s/ Steven Gillis, By: Mark</u> McDonnell, attorney-in-fact	02/20/2024
** Signature of Reporting Person	Date

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

\* If the form is filed by more than one reporting person, see Instruction 4 (b)(v).

\*\* Intentional misstatements or omissions of facts constitute Federal Criminal Violations See 18 U.S.C. 1001 and 15 U.S.C. 78ff(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.