

OMB APPROVAL	
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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).

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

1. Name and Address of Reporting Person* FMR LLC (Last) (First) (Middle) 245 SUMMER STREET (Street) BOSTON MA 02210 (City) (State) (Zip)	2. Issuer Name and Ticker or Trading Symbol Prime Medicine, Inc. [PRME]	5. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director 10% Owner Officer (give title below) <input checked="" type="checkbox"/> Other (specify below) See Remark 1
	3. Date of Earliest Transaction (Month/Day/Year) 10/24/2022	
4. If Amendment, Date of Original Filed (Month/Day/Year)		

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. Transaction Code (Instr. 8)		4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and 5)			5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	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			
Common Stock	10/24/2022		C		4,124,375	A	(1)	4,124,375	I	F-Prime Capital Partners Life Sciences Fund VI LP
Common Stock	10/24/2022		C		98,967	A	(1)	98,967	I	F-Prime Capital Partners Life Sciences Advisors Fund VI LP
Common Stock	10/24/2022		C		11,015	A	(1)	109,982	I	F-Prime Capital Partners Life Sciences Advisors Fund VI LP
Common Stock	10/24/2022		C		3,805,080	A	(1)	3,805,080	I	Entity managed by Impresa Management LLC whose shares are subject to reporting by the Undersigned
Common Stock	10/24/2022		C		423,509	A	(1)	4,228,589	I	Entity managed by Impresa Management LLC whose shares are subject to reporting by the Undersigned

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. Transaction Code (Instr. 8)		5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)		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				
Series A Convertible Preferred Stock	(1)	10/24/2022		C			4,124,375	(1)	(1)	Common Stock	4,124,375	(1)	0	I	F-Prime Capital Partners Life Sciences Fund VI LP

**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. Transaction Code (Instr. 8)		5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)		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				
Series A Convertible Preferred Stock	(1)	10/24/2022		C			98,967	(1)	(1)	Common Stock	98,967	(1)	0	I	F-Prime Capital Partners Life Sciences Advisors Fund VI LP
Series B Convertible Preferred Stock	(1)	10/24/2022		C			11,015	(1)	(1)	Common Stock	11,015	(1)	0	I	F-Prime Capital Partners Life Sciences Advisors Fund VI LP
Series A Convertible Preferred Stock	(1)	10/24/2022		C			3,805,080	(1)	(1)	Common Stock	3,805,080	(1)	0	I	Entity managed by Impresa Management LLC whose shares are subject to reporting by the Undersigned
Series B Convertible Preferred Stock	(1)	10/24/2022		C			423,509	(1)	(1)	Common Stock	423,509	(1)	0	I	Entity managed by Impresa Management LLC whose shares are subject to reporting by the Undersigned

Explanation of Responses:

1. On October 24, 2022, in connection with the completion of the issuer's initial public offering, each share of Series A and B Preferred Stock converted on a 1-for-1 basis into shares of Common Stock.

Remarks:

Remark 1: Abigail P. Johnson is a Director, the Chairman and the Chief Executive Officer of FMR LLC. Members of the Johnson family, including Abigail P. Johnson, are the predominant owners, directly or through trusts, of Series B voting common shares of FMR LLC, representing 49% of the voting power of FMR LLC. The Johnson family group and all other Series B shareholders have entered into a shareholders' voting agreement under which all Series B voting common shares will be voted in accordance with the majority vote of Series B voting common shares. Accordingly, through their ownership of voting common shares and the execution of the shareholders' voting agreement, members of the Johnson family may be deemed, under the Investment Company Act of 1940, to form a controlling group with respect to FMR LLC. The address of Abigail P. Johnson is c/o FMR LLC, 245 Summer Street, Boston, MA 02110. Remark 2: The filing of this statement shall not be deemed to be an admission that, for purposes of Section 16 of the Securities Exchange Act of 1934 or otherwise, the undersigned are the beneficial owners of any securities reported herein. Remark 3: F-Prime Capital Partners Life Sciences Advisors Fund VI LP (FPCPLSA) is the general partner of F-Prime Capital Partners Life Sciences Fund VI LP. FPCPLSA is solely managed by Impresa Management LLC, the managing member of its general partner and its investment manager. Impresa Management LLC is owned, directly or indirectly, by various shareholders and employees of FMR LLC, including certain members of the Johnson family.

Kevin M. Meagher, Duly
authorized under Powers of
Attorney, by and on behalf of 10/26/2022
FMR LLC and its direct and
indirect subsidiaries, and Abigail
P. Johnson

** 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.

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